2020	α_{2000}	δ_{2000}	Δ	r	β	V
376514	2012 LA_5		3 21.9	208.°94	5.°2/15.3	17
	h m	° ′			°	m
2 11	12 30.48	+12 57.9	2.449	3.246	11.9	21.7
2 21	12 26.67	+14 14.7	2.362	3.240	9.4	21.5
3 2	12 20.92	+15 35.5	2.299	3.233	7.0	21.4
3 12	12 13.69	+16 53.3	2.264	3.226	5.3	21.3
3 22	12 5.64	+18 1.5	2.258	3.218	5.7	21.3
4 1	11 57.54	+18 54.0	2.280	3.209	7.8	21.4
4 11	11 50.22	+19 27.0	2.329	3.200	10.4	21.5
4 21	11 44.30	+19 39.6	2.401	3.190	12.9	21.7
408240	2013 ES_{109}		3 21.9	89.°59	5.°5/17.5	18
2 11	12 33.15	+ 8 38.3	1.457	2.274	17.5	21.1
2 21	12 29.91	+ 9 46.4	1.390	2.281	13.8	20.9
3 2	12 23.72	+11 3.6	1.343	2.289	9.7	20.7
3 12	12 15.27	+12 20.2	1.321	2.297	6.2	20.5
3 22	12 5.64	+13 26.1	1.325	2.304	6.0	20.5
4 1	11 56.17	+14 12.1	1.354	2.312	9.3	20.7
4 11	11 48.13	+14 33.3	1.408	2.319	13.3	20.9
4 21	11 42.40	+14 28.8	1.482	2.326	16.9	21.2
122242	2000 OL_{17}		3 21.9	264.°55	0.°6/21.4	18
2 11	12 32.07	− 1 4.2	2.102	2.873	14.4	20.0
2 21	12 28.45	− 0 44.0	1.986	2.850	11.6	19.8
3 2	12 22.52	− 0 11.0	1.892	2.827	8.1	19.5
3 12	12 14.69	+ 0 31.8	1.824	2.804	4.1	19.2
3 22	12 5.65	+ 1 20.0	1.784	2.780	0.7	18.9
4 1	11 56.34	+ 2 7.5	1.773	2.755	4.8	19.2
4 11	11 47.78	+ 2 48.4	1.790	2.730	9.0	19.4
4 21	11 40.82	+ 3 18.0	1.832	2.705	12.9	19.5
98540	2000 VW_{48}		3 21.9	53.°25	1.°5/20.8	18
2 11	12 30.45	− 1 1.1	1.357	2.162	19.2	19.8
2 21	12 27.89	− 0 21.9	1.291	2.176	15.1	19.6
3 2	12 22.36	+ 0 35.7	1.245	2.190	10.4	19.3
3 12	12 14.58	+ 1 45.3	1.221	2.204	5.1	19.1
3 22	12 5.65	+ 2 58.2	1.224	2.219	1.6	18.9
4 1	11 56.90	+ 4 4.4	1.252	2.234	6.3	19.2
4 11	11 49.63	+ 4 55.7	1.304	2.249	11.2	19.5
4 21	11 44.67	+ 5 27.3	1.379	2.265	15.5	19.8
435971	2009 DJ_{80}		3 21.9	215.°28	0.°6/21.4	17
2 11	12 31.15	+ 0 19.3	2.419	3.188	12.8	21.5
2 21	12 27.15	+ 0 26.7	2.323	3.186	10.2	21.3
3 2	12 21.22	+ 0 43.0	2.249	3.185	7.0	21.1
3 12	12 13.85	+ 1 5.2	2.203	3.183	3.5	20.9
3 22	12 5.65	+ 1 29.8	2.185	3.181	0.7	20.6
4 1	11 57.44	+ 1 52.7	2.197	3.179	4.0	20.9
4 11	11 49.99	+ 2 10.1	2.238	3.177	7.5	21.1
4 21	11 43.93	+ 2 18.9	2.305	3.175	10.6	21.3
479619	2014 DM_{29}		3 21.9	330.°98	2.°7/24.5	17
2 11	12 29.47	− 8 45.5	2.126	2.872	15.0	21.3
2 21	12 26.25	− 9 7.2	2.024	2.865	12.4	21.1
3 2	12 20.87	− 9 14.4	1.943	2.858	9.2	20.8
3 12	12 13.77	− 9 7.6	1.886	2.852	5.7	20.6
3 22	12 5.66	− 8 48.5	1.856	2.845	2.9	20.4
4 1	11 57.41	− 8 20.9	1.854	2.840	4.1	20.5
4 11	11 49.98	− 7 49.8	1.880	2.834	7.6	20.7
4 21	11 44.10	− 7 20.4	1.931	2.829	11.1	20.9
521155	2015 FO_{407}		3 21.9	341.°45	0.°5/22.6	17
2 11	12 25.50	− 6 22.5	2.119	2.884	14.5	21.3
2 21	12 23.03	− 5 44.0	2.024	2.882	11.7	21.1
3 2	12 18.55	− 4 48.2	1.950	2.880	8.3	20.9
3 12	12 12.54	− 3 38.1	1.902	2.879	4.4	20.7
3 22	12 5.66	− 2 19.0	1.881	2.877	0.6	20.4
4 1	11 58.74	− 0 57.7	1.890	2.876	3.9	20.6
4 11	11 52.64	+ 0 18.6	1.926	2.875	7.9	20.9
4 21	11 48.00	+ 1 23.8	1.988	2.874	11.4	21.1
399972	2006 BN_{124}		3 21.9	251.°69	1.°8/23.3	16
2 11	12 34.63	− 6 4.5	1.695	2.458	17.6	21.4
2 21	12 31.08	− 6 16.6	1.591	2.446	14.5	21.2
3 2	12 24.68	− 6 12.0	1.506	2.433	10.6	20.9
3 12	12 15.92	− 5 51.7	1.445	2.419	6.0	20.6
3 22	12 5.66	− 5 18.7	1.411	2.405	1.9	20.3
4 1	11 55.10	− 4 38.4	1.404	2.391	4.9	20.4
4 11	11 45.58	− 3 58.1	1.424	2.377	9.7	20.7
4 21	11 38.13	− 3 24.3	1.468	2.362	14.2	20.9
209632	2005 AM_{61}		3 21.9	54.°86	2.°3/23.6	18
2 11	12 34.29	− 6 27.7	1.503	2.276	19.1	20.4
2 21	12 30.87	− 6 50.8	1.422	2.282	15.6	20.2
3 2	12 24.48	− 6 56.2	1.361	2.288	11.4	20.0
3 12	12 15.73	− 6 44.6	1.321	2.295	6.6	19.7
3 22	12 5.66	− 6 19.5	1.308	2.301	2.5	19.5
4 1	11 55.60	− 5 46.4	1.321	2.308	5.0	19.6
4 11	11 46.88	− 5 12.8	1.359	2.315	9.7	19.9
4 21	11 40.46	− 4 45.2	1.421	2.322	14.1	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
489072	2006 AK_{17}		3 21.9	101.°59	3.°6/26.8	17
	h m	° ′			°	m
2 11	12 27.54	−15 28.5	2.850	3.544	12.7	22.0
2 21	12 24.06	−15 40.8	2.752	3.552	10.7	21.8
3 2	12 18.96	−15 38.0	2.676	3.560	8.3	21.7
3 12	12 12.64	−15 20.3	2.625	3.568	5.9	21.5
3 22	12 5.67	−14 49.2	2.602	3.576	3.9	21.4
4 1	11 58.68	−14 7.6	2.607	3.584	4.0	21.4
4 11	11 52.34	−13 19.9	2.642	3.591	5.9	21.6
4 21	11 47.16	−12 30.8	2.703	3.599	8.4	21.7
480349	2015 KK_{13}		3 21.9	232.°56	3.°1/17.2	18
2 11	12 26.04	+ 7 54.2	3.015	3.803	10.1	21.7
2 21	12 22.80	+ 8 57.8	2.915	3.792	7.9	21.6
3 2	12 18.06	+10 7.3	2.841	3.781	5.5	21.4
3 12	12 12.19	+11 18.0	2.795	3.769	3.5	21.2
3 22	12 5.67	+12 24.8	2.780	3.758	3.4	21.2
4 1	11 59.10	+13 23.0	2.795	3.746	5.4	21.3
4 11	11 53.08	+14 8.8	2.838	3.733	7.9	21.5
4 21	11 48.09	+14 39.9	2.906	3.721	10.3	21.6
86693	2000 FR_{48}		3 21.9	334.°63	5.°3/25.3	18
2 11	12 31.72	−10 41.6	1.282	2.057	21.7	19.4
2 21	12 29.64	−11 37.5	1.195	2.050	18.3	19.1
3 2	12 24.19	−12 12.2	1.123	2.043	14.0	18.8
3 12	12 15.85	−12 23.3	1.073	2.036	9.4	18.5
3 22	12 5.67	−12 10.9	1.045	2.031	5.6	18.3
4 1	11 55.20	−11 39.2	1.041	2.026	6.7	18.3
4 11	11 46.11	−10 56.7	1.060	2.021	11.2	18.5
4 21	11 39.67	−10 13.2	1.101	2.017	15.9	18.8
153549	2001 SG_{124}		3 21.9	79.°34	0.°8/22.8	18
2 11	12 32.28	− 6 20.5	1.821	2.583	16.6	20.4
2 21	12 28.43	− 5 52.0	1.754	2.610	13.3	20.2
3 2	12 22.24	− 5 5.6	1.709	2.637	9.4	20.0
3 12	12 14.36	− 4 5.2	1.688	2.664	5.0	19.8
3 22	12 5.68	− 2 56.7	1.695	2.691	0.9	19.5
4 1	11 57.22	− 1 47.2	1.731	2.717	4.2	19.8
4 11	11 49.96	− 0 44.2	1.794	2.743	8.3	20.1
4 21	11 44.54	+ 0 7.1	1.883	2.769	11.9	20.4
19641	1999 RV_{91}		3 21.9	225.°65	0.°4/22.3	18
2 11	12 32.81	− 2 50.9	2.220	2.979	14.1	18.5
2 21	12 28.74	− 2 49.3	2.117	2.973	11.3	18.3
3 2	12 22.51	− 2 36.2	2.036	2.966	8.0	18.1
3 12	12 14.59	− 2 13.7	1.982	2.959	4.2	17.8
3 22	12 5.68	− 1 45.2	1.956	2.952	0.4	17.5
4 1	11 56.67	− 1 15.2	1.959	2.945	4.0	17.8
4 11	11 48.47	− 0 48.5	1.991	2.937	7.9	18.0
4 21	11 41.82	− 0 29.1	2.049	2.928	11.4	18.2
114772	2003 KD_4		3 22.0	358.°17	8.°2/30.2	18
2 21	12 26.15	−24 14.2	1.756	2.530	16.8	18.9
3 2	12 21.14	−24 36.1	1.677	2.529	14.1	18.7
3 12	12 14.05	−24 29.2	1.618	2.528	11.3	18.6
3 22	12 5.70	−23 52.4	1.582	2.528	9.0	18.4
4 1	11 57.20	−22 48.5	1.571	2.528	8.2	18.4
4 11	11 49.72	−21 24.9	1.585	2.528	9.7	18.4
4 21	11 44.17	−19 51.4	1.623	2.528	12.4	18.6
5 1	11 41.13	−18 18.0	1.683	2.529	15.3	18.8
428397	2007 SH_{17}		3 22.0	254.°57	1.°1/21.0	18
2 21	12 29.79	+ 2 4.4	2.188	3.053	10.6	21.0
3 2	12 23.22	+ 2 16.5	2.104	3.040	7.4	20.8
3 12	12 14.97	+ 2 33.5	2.047	3.028	3.7	20.5
3 22	12 5.71	+ 2 51.7	2.019	3.015	1.1	20.3
4 1	11 56.32	+ 3 7.0	2.021	3.001	4.5	20.5
4 11	11 47.71	+ 3 15.4	2.052	2.988	8.3	20.7
4 21	11 40.63	+ 3 14.2	2.108	2.974	11.7	20.9
5 1	11 35.59	+ 3 1.9	2.186	2.960	14.6	21.1
10308	1990 QC_3		3 22.0	138.°12	0.°7/21.4	18
2 21	12 29.65	− 2 0.7	1.752	2.617	12.9	19.1
3 2	12 23.22	− 1 3.7	1.694	2.630	8.9	18.8
3 12	12 14.95	+ 0 4.8	1.661	2.642	4.4	18.6
3 22	12 5.71	+ 1 18.2	1.657	2.653	0.7	18.3
4 1	11 56.56	+ 2 28.7	1.681	2.663	5.0	18.7
4 11	11 48.54	+ 3 29.2	1.733	2.673	9.2	18.9
4 21	11 42.41	+ 4 14.6	1.809	2.682	13.0	19.2
5 1	11 38.63	+ 4 42.6	1.906	2.690	16.1	19.4
270591	2002 LN_{42}		3 22.0	249.°52	0.°1/22.2	18
2 21	12 25.02	− 4 9.8	2.331	3.185	10.5	21.4
3 2	12 19.88	− 3 19.5	2.239	3.169	7.4	21.2
3 12	12 13.24	− 2 17.2	2.174	3.151	3.9	20.9
3 22	12 5.71	− 1 7.3	2.138	3.134	0.2	20.6
4 1	11 58.02	+ 0 4.5	2.131	3.116	3.8	20.9
4 11	11 50.99	+ 1 12.0	2.154	3.097	7.5	21.1
4 21	11 45.26	+ 2 10.1	2.203	3.078	10.9	21.2
5 1	11 41.33	+ 2 54.9	2.275	3.059	13.8	21.4

302275 2001 XP_{186} 3 22.0 110.°58 4.°1/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.44	−12 54.9	1.511	2.347	16.1	20.7
3 2	12 23.44	−12 47.1	1.445	2.355	12.2	20.5
3 12	12 15.20	−12 15.8	1.402	2.363	8.0	20.3
3 22	12 5.71	−11 23.8	1.384	2.370	4.5	20.1
4 1	11 56.21	−10 17.6	1.393	2.377	5.3	20.1
4 11	11 47.96	− 9 6.2	1.427	2.385	9.2	20.4
4 21	11 41.88	− 7 58.6	1.486	2.391	13.3	20.6
5 1	11 38.53	− 7 2.1	1.566	2.398	16.8	20.9

165483 2001 BZ_{12} 3 22.0 99.°97 1.°7/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.67	− 8 28.5	1.631	2.481	14.4	20.1
3 2	12 22.61	− 7 43.8	1.576	2.499	10.4	19.9
3 12	12 14.65	− 6 40.8	1.545	2.518	5.9	19.7
3 22	12 5.71	− 5 25.0	1.541	2.535	1.9	19.5
4 1	11 56.92	− 4 4.5	1.565	2.553	4.4	19.7
4 11	11 49.36	− 2 48.1	1.617	2.570	8.7	20.0
4 21	11 43.77	− 1 42.9	1.693	2.586	12.6	20.3
5 1	11 40.61	− 0 53.5	1.790	2.603	15.9	20.5

372497 2009 SW_{254} 3 22.0 240.°07 6.°6/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.64	+16 15.3	1.989	2.871	10.8	21.0
3 2	12 21.89	+17 51.2	1.926	2.858	8.2	20.8
3 12	12 14.33	+19 22.8	1.889	2.845	6.7	20.7
3 22	12 5.71	+20 41.3	1.880	2.831	7.3	20.7
4 1	11 57.00	+21 39.0	1.898	2.817	9.7	20.8
4 11	11 49.19	+22 11.6	1.941	2.802	12.6	20.9
4 21	11 43.06	+22 18.5	2.005	2.787	15.3	21.1
5 1	11 39.13	+22 1.2	2.086	2.771	17.7	21.2

154551 2003 GC_{44} 3 22.0 224.°78 15.°2/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 42.37	+48 8.4	2.012	2.769	15.5	19.4
3 2	12 32.25	+49 20.2	1.995	2.767	15.2	19.4
3 12	12 19.54	+49 58.6	1.997	2.764	15.5	19.4
3 22	12 5.71	+49 56.6	2.019	2.761	16.2	19.4
4 1	11 52.50	+49 12.2	2.058	2.758	17.2	19.5
4 11	11 41.41	+47 49.0	2.115	2.755	18.4	19.6
4 21	11 33.30	+45 54.1	2.186	2.752	19.5	19.7
5 1	11 28.51	+43 35.4	2.269	2.748	20.4	19.8

455567 2004 RA_{30} 3 22.0 133.°60 6.°3/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 38.48	−17 9.3	1.856	2.646	15.4	21.6
3 2	12 29.51	−18 3.1	1.787	2.661	12.3	21.4
3 12	12 18.27	−18 35.9	1.742	2.676	9.0	21.3
3 22	12 5.73	−18 46.4	1.725	2.690	6.6	21.1
4 1	11 53.13	−18 36.2	1.736	2.703	6.7	21.2
4 11	11 41.76	−18 10.9	1.776	2.715	9.2	21.3
4 21	11 32.57	−17 37.4	1.842	2.726	12.2	21.5
5 1	11 26.14	−17 3.2	1.930	2.737	15.1	21.8

208432 2001 TF_{84} 3 22.0 259.°17 1.°1/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.54	− 5 8.0	2.320	3.168	10.8	20.4
3 2	12 21.63	− 5 3.2	2.232	3.155	7.8	20.2
3 12	12 14.15	− 4 48.4	2.169	3.143	4.3	20.0
3 22	12 5.73	− 4 26.1	2.135	3.130	1.2	19.7
4 1	11 57.16	− 3 59.9	2.131	3.118	3.6	19.9
4 11	11 49.28	− 3 34.1	2.156	3.105	7.2	20.1
4 21	11 42.78	− 3 12.9	2.207	3.091	10.5	20.2
5 1	11 38.17	− 2 59.4	2.281	3.078	13.3	20.4

265663 2005 UZ_{16} 3 22.0 241.°39 5.°2/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.46	−17 17.8	1.857	2.665	14.7	20.4
3 2	12 21.20	−17 13.3	1.775	2.662	11.7	20.2
3 12	12 14.03	−16 45.3	1.715	2.659	8.4	20.0
3 22	12 5.73	−15 55.1	1.681	2.655	5.7	19.8
4 1	11 57.30	−14 47.0	1.674	2.652	5.6	19.8
4 11	11 49.79	−13 28.7	1.694	2.648	8.3	19.9
4 21	11 44.03	−12 8.7	1.740	2.645	11.7	20.1
5 1	11 40.59	−10 54.8	1.807	2.641	14.9	20.3

356466 2011 QG_{37} 3 22.0 248.°75 0.°6/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.72	− 3 43.7	1.567	2.429	14.3	21.5
3 2	12 25.18	− 3 26.1	1.482	2.414	10.2	21.2
3 12	12 16.23	− 2 54.4	1.422	2.400	5.5	20.9
3 22	12 5.74	− 2 12.8	1.388	2.384	0.7	20.5
4 1	11 54.94	− 1 27.6	1.382	2.368	5.1	20.8
4 11	11 45.19	− 0 46.5	1.402	2.351	10.2	21.0
4 21	11 37.55	− 0 15.7	1.447	2.334	14.7	21.3
5 1	11 32.73	+ 0 0.7	1.510	2.317	18.6	21.5

203656 2002 JL_{14} 3 22.0 34.°38 2.°6/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.18	+ 0 53.7	1.229	2.122	15.1	19.2
3 2	12 20.65	+ 2 20.8	1.180	2.129	10.3	19.0
3 12	12 13.82	+ 4 0.3	1.154	2.137	5.2	18.7
3 22	12 5.75	+ 5 41.1	1.153	2.146	2.9	18.6
4 1	11 57.79	+ 7 11.0	1.178	2.156	7.4	18.9
4 11	11 51.24	+ 8 20.0	1.226	2.166	12.3	19.2
4 21	11 47.00	+ 9 3.2	1.296	2.176	16.6	19.4
5 1	11 45.53	+ 9 19.6	1.383	2.187	20.1	19.7

145608 2006 QL_{35} 3 22.0 178.°44 3.°0/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 24.20	+ 7 2.0	2.464	3.342	9.1	20.5
3 2	12 19.14	+ 8 10.1	2.401	3.343	6.3	20.3
3 12	12 12.80	+ 9 20.4	2.366	3.343	3.7	20.1
3 22	12 5.75	+10 27.2	2.360	3.344	3.3	20.1
4 1	11 58.71	+11 24.9	2.384	3.344	5.7	20.3
4 11	11 52.37	+12 9.2	2.436	3.343	8.5	20.4
4 21	11 47.29	+12 37.8	2.512	3.343	11.2	20.6
5 1	11 43.87	+12 49.9	2.609	3.342	13.4	20.8

241695 2000 SL_{136} 3 22.0 180.°23 1.°9/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 23.53	−10 24.4	2.823	3.648	9.7	21.3
3 2	12 18.58	− 9 50.7	2.741	3.649	7.2	21.1
3 12	12 12.49	− 9 4.5	2.686	3.649	4.4	20.9
3 22	12 5.75	− 8 8.3	2.659	3.650	2.0	20.8
4 1	11 58.99	− 7 6.3	2.664	3.649	3.0	20.8
4 11	11 52.82	− 6 3.4	2.697	3.649	5.8	21.0
4 21	11 47.75	− 5 4.0	2.759	3.648	8.5	21.2
5 1	11 44.16	− 4 12.1	2.845	3.647	10.9	21.4

498617 2008 RF_{108} 3 22.0 207.°37 2.°3/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.19	− 9 44.4	2.095	2.932	12.2	21.6
3 2	12 20.77	− 9 23.6	2.015	2.930	9.0	21.4
3 12	12 13.73	− 8 47.2	1.961	2.927	5.5	21.1
3 22	12 5.76	− 7 58.1	1.934	2.925	2.5	20.9
4 1	11 57.70	− 7 1.2	1.935	2.922	3.9	21.0
4 11	11 50.46	− 6 2.8	1.965	2.919	7.4	21.2
4 21	11 44.73	− 5 8.8	2.021	2.915	10.8	21.4
5 1	11 41.01	− 4 24.1	2.099	2.912	13.8	21.6

170319 2003 SF_{54} 3 22.0 282.°56 4.°4/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.33	−13 19.0	1.515	2.353	16.0	19.9
3 2	12 22.19	−13 11.0	1.431	2.341	12.3	19.7
3 12	12 14.71	−12 38.5	1.369	2.329	8.2	19.4
3 22	12 5.75	−11 43.4	1.332	2.318	4.8	19.2
4 1	11 56.53	−10 31.3	1.321	2.306	5.5	19.2
4 11	11 48.35	− 9 11.5	1.335	2.294	9.6	19.4
4 21	11 42.24	− 7 54.0	1.373	2.282	13.9	19.6
5 1	11 38.91	− 6 47.3	1.432	2.270	17.8	19.8

381587 2008 UP_{321} 3 22.0 234.°38 1.°2/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.12	− 5 59.2	2.191	3.038	11.3	21.8
3 2	12 21.39	− 5 39.2	2.106	3.029	8.2	21.6
3 12	12 14.06	− 5 7.1	2.046	3.020	4.6	21.4
3 22	12 5.76	− 4 26.0	2.015	3.010	1.3	21.1
4 1	11 57.33	− 3 40.5	2.013	3.000	3.7	21.3
4 11	11 49.66	− 2 56.2	2.040	2.989	7.5	21.5
4 21	11 43.43	− 2 17.9	2.093	2.978	10.9	21.7
5 1	11 39.17	− 1 49.4	2.168	2.967	13.9	21.8

492502 2014 OQ 3 22.0 174.°78 3.°6/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.27	+ 7 0.9	1.859	2.737	11.6	21.8
3 2	12 23.66	+ 8 7.6	1.799	2.740	8.0	21.6
3 12	12 15.21	+ 9 16.9	1.765	2.742	4.6	21.4
3 22	12 5.76	+10 21.5	1.759	2.744	4.0	21.4
4 1	11 56.34	+11 13.9	1.782	2.745	7.0	21.6
4 11	11 47.97	+11 49.1	1.833	2.745	10.6	21.8
4 21	11 41.42	+12 4.9	1.906	2.745	13.9	22.0
5 1	11 37.18	+12 1.1	1.999	2.744	16.7	22.2

427268 2014 WJ_{166} 3 22.0 179.°70 0.°8/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.95	− 5 38.4	2.087	2.935	11.8	22.5
3 2	12 22.65	− 5 3.7	2.012	2.937	8.4	22.2
3 12	12 14.67	− 4 16.2	1.963	2.938	4.6	22.0
3 22	12 5.76	− 3 19.9	1.943	2.939	0.9	21.7
4 1	11 56.81	− 2 20.6	1.952	2.938	3.9	22.0
4 11	11 48.73	− 1 24.5	1.991	2.937	7.8	22.2
4 21	11 42.25	− 0 36.8	2.055	2.936	11.3	22.4
5 1	11 37.84	− 0 1.3	2.141	2.933	14.3	22.6

175951 2000 GL_{141} 3 22.0 353.°35 5.°0/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 24.27	+ 7 14.7	1.325	2.224	13.7	19.0
3 2	12 20.01	+ 8 46.1	1.269	2.220	9.6	18.8
3 12	12 13.52	+10 22.3	1.238	2.217	5.8	18.6
3 22	12 5.76	+11 51.9	1.231	2.215	5.6	18.5
4 1	11 57.98	+13 3.9	1.250	2.213	9.2	18.7
4 11	11 51.47	+13 50.3	1.292	2.212	13.5	19.0
4 21	11 47.12	+14 8.5	1.354	2.212	17.4	19.2
5 1	11 45.47	+13 59.1	1.432	2.212	20.6	19.4

25197 1998 SX_{137} 3 22.0 91.°46 1.°6/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.30	+ 1 57.9	1.986	2.860	11.1	18.1
3 2	12 20.82	+ 2 40.2	1.921	2.862	7.6	17.8
3 12	12 13.73	+ 3 29.0	1.883	2.865	3.8	17.6
3 22	12 5.76	+ 4 18.7	1.873	2.867	1.7	17.5
4 1	11 57.81	+ 5 3.5	1.892	2.870	5.0	17.7
4 11	11 50.76	+ 5 38.2	1.938	2.872	8.8	17.9
4 21	11 45.29	+ 5 59.3	2.008	2.875	12.2	18.1
5 1	11 41.86	+ 6 5.5	2.099	2.877	15.0	18.3

51424 2001 *FK* 3 22.0 355.°21 13.°6/17.3 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 49.24	+26 47.1	0.989	1.860	19.9	18.2
3 2	12 38.14	+27 8.9	0.942	1.858	16.5	18.0
3 12	12 22.97	+26 59.3	0.916	1.857	14.0	17.9
3 22	12 5.78	+26 5.4	0.911	1.856	14.0	17.8
4 1	11 49.19	+24 23.2	0.930	1.856	16.4	18.0
4 11	11 35.57	+21 59.7	0.970	1.856	20.1	18.2
4 21	11 26.19	+19 8.6	1.028	1.857	23.8	18.4
5 1	11 21.40	+16 2.5	1.103	1.857	27.0	18.7

183679 2003 XJ_{37} 3 22.0 120.°43 0.°7/21.4 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 31.00	− 0 31.0	1.866	2.729	12.3	21.4
3 2	12 24.04	+ 0 3.1	1.811	2.747	8.4	21.2
3 12	12 15.35	+ 0 45.7	1.783	2.763	4.2	20.9
3 22	12 5.78	+ 1 31.3	1.783	2.779	0.8	20.7
4 1	11 56.35	+ 2 14.1	1.813	2.795	4.7	21.0
4 11	11 48.05	+ 2 48.6	1.870	2.810	8.7	21.3
4 21	11 41.59	+ 3 11.1	1.953	2.824	12.2	21.5
5 1	11 37.39	+ 3 19.9	2.056	2.838	15.1	21.8

110755 2001 UT_{13} 3 22.0 51.°10 9.°3/12.8 18 R

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 29.46	+22 42.0	1.675	2.553	12.6	19.1
3 2	12 23.25	+24 7.4	1.638	2.557	10.3	19.0
3 12	12 15.02	+25 18.6	1.624	2.561	9.3	18.9
3 22	12 5.78	+26 6.4	1.636	2.566	10.1	19.0
4 1	11 56.71	+26 24.7	1.673	2.570	12.2	19.1
4 11	11 48.96	+26 12.3	1.731	2.574	14.7	19.3
4 21	11 43.29	+25 31.8	1.809	2.579	17.2	19.5
5 1	11 40.16	+24 27.5	1.903	2.584	19.3	19.6

38757 2000 RM_1 3 22.0 136.°64 0.°6/22.6 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 30.53	− 4 39.1	1.794	2.649	13.1	19.6
3 2	12 23.85	− 4 6.3	1.732	2.661	9.2	19.4
3 12	12 15.31	− 3 20.3	1.696	2.673	4.9	19.2
3 22	12 5.79	− 2 26.1	1.688	2.684	0.7	18.9
4 1	11 56.35	− 1 30.3	1.709	2.695	4.4	19.2
4 11	11 48.01	− 0 39.5	1.757	2.704	8.6	19.5
4 21	11 41.56	+ 0 1.0	1.831	2.713	12.4	19.7
5 1	11 37.47	+ 0 27.8	1.926	2.722	15.5	19.9

243252 2007 WS_7 3 22.0 67.°86 4.°4/27.0 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 25.20	−16 21.9	2.184	2.990	12.9	19.9
3 2	12 20.05	−16 19.2	2.109	2.995	10.1	19.8
3 12	12 13.35	−15 57.3	2.057	3.001	7.2	19.6
3 22	12 5.79	−15 17.8	2.032	3.007	4.8	19.4
4 1	11 58.19	−14 24.7	2.035	3.012	4.8	19.4
4 11	11 51.40	−13 23.7	2.066	3.018	7.2	19.6
4 21	11 46.10	−12 21.3	2.122	3.024	10.1	19.8
5 1	11 42.72	−11 23.6	2.202	3.030	12.8	20.0

362031 2008 YS_{121} 3 22.0 308.°52 4.°5/25.3 16

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 27.25	−12 11.0	1.329	2.179	17.1	20.4
3 2	12 22.40	−12 14.6	1.247	2.164	13.1	20.1
3 12	12 14.95	−11 53.3	1.186	2.150	8.7	19.8
3 22	12 5.79	−11 8.3	1.149	2.136	4.9	19.6
4 1	11 56.28	−10 5.4	1.136	2.123	5.9	19.6
4 11	11 47.91	− 8 54.3	1.148	2.110	10.4	19.8
4 21	11 41.86	− 7 45.5	1.183	2.097	15.2	20.0
5 1	11 38.89	− 6 48.0	1.236	2.085	19.5	20.2

82316 2001 KY_{59} 3 22.0 212.°81 2.°7/24.9 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 26.86	−11 52.5	2.162	2.988	12.3	19.5
3 2	12 21.26	−11 19.0	2.075	2.981	9.2	19.3
3 12	12 14.01	−10 27.5	2.012	2.973	5.8	19.0
3 22	12 5.79	− 9 20.9	1.977	2.965	2.9	18.8
4 1	11 57.46	− 8 4.6	1.971	2.957	3.9	18.9
4 11	11 49.89	− 6 45.6	1.994	2.947	7.3	19.1
4 21	11 43.81	− 5 30.7	2.044	2.937	10.8	19.3
5 1	11 39.74	− 4 25.7	2.117	2.927	13.8	19.5

1728 Goethe Link 3 22.0 245.°49 3.°5/25.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 26.54	−12 57.6	1.869	2.698	13.8	15.7
3 2	12 21.25	−12 38.3	1.785	2.690	10.5	15.5
3 12	12 14.09	−11 58.5	1.723	2.683	6.9	15.2
3 22	12 5.80	−11 0.6	1.689	2.675	3.9	15.0
4 1	11 57.35	− 9 49.8	1.682	2.666	4.6	15.1
4 11	11 49.78	− 8 34.0	1.702	2.658	8.1	15.2
4 21	11 43.91	− 7 21.0	1.748	2.650	11.9	15.4
5 1	11 40.31	− 6 17.4	1.816	2.641	15.2	15.6

290968 2005 XS_1 3 22.0 178.°16 4.°8/17.8 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 32.09	+ 9 47.2	1.696	2.577	12.4	20.8
3 2	12 25.07	+10 54.5	1.638	2.579	8.7	20.6
3 12	12 16.01	+12 1.8	1.606	2.580	5.5	20.4
3 22	12 5.81	+13 0.5	1.602	2.581	5.2	20.4
4 1	11 55.67	+13 43.1	1.626	2.581	8.2	20.6
4 11	11 46.72	+14 4.9	1.675	2.581	11.9	20.8
4 21	11 39.82	+14 4.5	1.747	2.579	15.3	21.0
5 1	11 35.47	+13 43.3	1.838	2.577	18.1	21.2

414980 2011 DB_{21} 3 22.0 316.°27 1.°6/20.5 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 25.78	+ 0 43.9	1.689	2.568	12.5	20.3
3 2	12 20.76	+ 1 37.2	1.620	2.563	8.6	20.1
3 12	12 13.83	+ 2 40.4	1.576	2.558	4.3	19.8
3 22	12 5.81	+ 3 46.8	1.558	2.553	1.7	19.6
4 1	11 57.72	+ 4 48.5	1.568	2.548	5.6	19.9
4 11	11 50.62	+ 5 38.5	1.605	2.544	9.9	20.1
4 21	11 45.32	+ 6 12.1	1.665	2.539	13.8	20.3
5 1	11 42.36	+ 6 27.0	1.744	2.535	17.1	20.5

500900 2013 LX_{31} 3 22.0 262.°26 0.°2/22.2 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 27.23	− 4 42.6	1.811	2.671	12.8	22.0
3 2	12 21.86	− 3 46.3	1.718	2.649	9.1	21.7
3 12	12 14.48	− 2 33.2	1.649	2.627	4.8	21.4
3 22	12 5.81	− 1 8.8	1.608	2.604	0.2	21.0
4 1	11 56.86	+ 0 19.2	1.596	2.581	4.7	21.3
4 11	11 48.70	+ 1 41.9	1.611	2.557	9.4	21.5
4 21	11 42.26	+ 2 51.8	1.651	2.532	13.6	21.7
5 1	11 38.16	+ 3 44.1	1.712	2.507	17.2	21.9

416174 2002 SY_5 3 22.0 179.°15 0.°2/22.2 14 C

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 28.40	− 3 41.1	2.103	2.958	11.5	22.4
3 2	12 22.26	− 3 1.3	2.030	2.960	8.0	22.2
3 12	12 14.49	− 2 10.3	1.983	2.961	4.2	21.9
3 22	12 5.82	− 1 12.7	1.965	2.961	0.2	21.6
4 1	11 57.11	− 0 14.1	1.977	2.961	4.0	21.9
4 11	11 49.27	+ 0 39.2	2.017	2.960	7.9	22.1
4 21	11 42.99	+ 1 22.6	2.083	2.959	11.4	22.4
5 1	11 38.74	+ 1 52.9	2.171	2.957	14.3	22.5

506437 2000 WL_{10} 3 22.0 172.°04 2.°1/26.4 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 23.52	−14 41.5	4.586	5.372	6.9	25.5
3 2	12 18.24	−14 20.6	4.498	5.377	5.3	25.4
3 12	12 12.22	−13 50.4	4.438	5.381	3.7	25.2
3 22	12 5.82	−13 12.3	4.408	5.385	2.3	25.1
4 1	11 59.40	−12 28.2	4.410	5.388	2.4	25.1
4 11	11 53.37	−11 41.0	4.444	5.390	3.9	25.3
4 21	11 48.04	−10 53.3	4.507	5.391	5.6	25.4
5 1	11 43.67	−10 7.9	4.598	5.392	7.1	25.5

223283 2003 HG_{19} 3 22.0 147.°39 1.°8/20.1 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 27.80	+ 2 51.1	2.156	3.026	10.6	21.0
3 2	12 21.74	+ 3 38.6	2.095	3.034	7.2	20.8
3 12	12 14.18	+ 4 31.3	2.061	3.042	3.7	20.6
3 22	12 5.82	+ 5 23.8	2.056	3.049	2.0	20.5
4 1	11 57.51	+ 6 10.4	2.081	3.055	5.0	20.7
4 11	11 50.08	+ 6 46.3	2.133	3.062	8.5	21.0
4 21	11 44.18	+ 7 8.8	2.211	3.068	11.6	21.2
5 1	11 40.22	+ 7 16.5	2.310	3.073	14.2	21.4

2232 Altaj 3 22.0 245.°61 1.°1/23.2 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 26.28	− 6 36.6	2.050	2.900	11.9	16.7
3 2	12 20.93	− 6 2.2	1.964	2.888	8.6	16.5
3 12	12 13.88	− 5 13.5	1.903	2.877	4.8	16.2
3 22	12 5.82	− 4 14.2	1.870	2.865	1.3	15.9
4 1	11 57.61	− 3 10.0	1.866	2.853	3.9	16.1
4 11	11 50.17	− 2 7.7	1.890	2.841	7.9	16.3
4 21	11 44.26	− 1 13.0	1.940	2.828	11.6	16.5
5 1	11 40.40	− 0 30.6	2.012	2.815	14.7	16.7

457498 2008 VP_2 3 22.0 172.°70 1.°5/20.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 32.28	+ 1 53.3	2.056	2.918	11.3	22.5
3 2	12 24.94	+ 2 36.7	1.988	2.924	7.8	22.3
3 12	12 15.86	+ 3 26.5	1.948	2.928	3.9	22.0
3 22	12 5.84	+ 4 17.3	1.937	2.931	1.7	21.9
4 1	11 55.83	+ 5 3.1	1.957	2.933	5.1	22.1
4 11	11 46.80	+ 5 38.8	2.005	2.934	8.9	22.3
4 21	11 39.49	+ 6 1.1	2.079	2.934	12.3	22.6
5 1	11 34.37	+ 6 8.6	2.174	2.933	15.1	22.8

202876 2008 UT_{131} 3 22.0 151.°86 0.°0/22.1 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 26.60	− 2 45.1	2.238	3.095	10.7	21.7
3 2	12 20.92	− 2 12.8	2.169	3.100	7.5	21.5
3 12	12 13.77	− 1 31.1	2.127	3.105	3.9	21.3
3 22	12 5.83	− 0 44.4	2.113	3.110	0.0	20.9
4 1	11 57.89	+ 0 2.6	2.129	3.114	3.8	21.3
4 11	11 50.76	+ 0 44.5	2.174	3.117	7.4	21.5
4 21	11 45.07	+ 1 17.5	2.244	3.121	10.6	21.7
5 1	11 41.23	+ 1 38.9	2.337	3.124	13.4	21.9

508748 2017 UX_{35} 3 22.0 144.°43 2.°4/24.9 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 26.24	−10 27.6	2.646	3.469	10.4	21.4
3 2	12 20.53	−10 23.8	2.570	3.475	7.7	21.2
3 12	12 13.53	−10 7.8	2.521	3.481	4.9	21.0
3 22	12 5.83	− 9 41.6	2.500	3.487	2.6	20.9
4 1	11 58.11	− 9 8.2	2.509	3.493	3.4	20.9
4 11	11 51.07	− 8 31.9	2.547	3.498	6.1	21.1
4 21	11 45.25	− 7 56.9	2.612	3.503	8.8	21.3
5 1	11 41.08	− 7 26.9	2.702	3.508	11.3	21.5

8744 Cilla 3 22.0 96.°88 1.°1/20.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.49	+ 1 5.0	2.364	3.231	9.9	18.5
3 2	12 20.01	+ 1 48.0	2.310	3.247	6.7	18.3
3 12	12 13.24	+ 2 36.7	2.282	3.263	3.3	18.1
3 22	12 5.83	+ 3 26.4	2.284	3.279	1.2	17.9
4 1	11 58.51	+ 4 12.2	2.316	3.294	4.2	18.2
4 11	11 51.99	+ 4 49.6	2.376	3.309	7.4	18.4
4 21	11 46.81	+ 5 15.9	2.461	3.324	10.3	18.6
5 1	11 43.35	+ 5 29.5	2.569	3.339	12.7	18.8

200161 1999 AG_{16} 3 22.0 128.°30 3.°2/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.27	+ 4 24.2	1.584	2.465	13.1	20.8
3 2	12 23.81	+ 5 34.7	1.533	2.477	8.9	20.6
3 12	12 15.35	+ 6 50.6	1.508	2.488	4.8	20.4
3 22	12 5.84	+ 8 3.3	1.509	2.499	3.4	20.3
4 1	11 56.46	+ 9 4.5	1.539	2.509	7.0	20.6
4 11	11 48.36	+ 9 47.7	1.595	2.519	11.1	20.8
4 21	11 42.32	+10 10.1	1.673	2.528	14.7	21.1
5 1	11 38.82	+10 11.6	1.770	2.537	17.7	21.3

501008 2013 RV_{33} 3 22.0 227.°79 2.°7/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.47	− 9 44.9	2.100	2.932	12.4	22.0
3 2	12 23.16	− 9 44.0	2.012	2.922	9.3	21.8
3 12	12 15.05	− 9 28.2	1.948	2.912	5.8	21.5
3 22	12 5.84	− 8 59.6	1.912	2.902	2.9	21.3
4 1	11 56.45	− 8 21.8	1.906	2.891	4.1	21.4
4 11	11 47.85	− 7 40.5	1.928	2.879	7.7	21.6
4 21	11 40.83	− 7 1.1	1.976	2.868	11.2	21.8
5 1	11 35.94	− 6 28.6	2.047	2.855	14.3	21.9

306760 2000 YM_{109} 3 22.0 60.°59 2.°2/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.62	− 7 28.1	1.413	2.273	15.7	20.0
3 2	12 23.63	− 7 19.5	1.355	2.282	11.4	19.8
3 12	12 15.36	− 6 52.5	1.319	2.292	6.6	19.5
3 22	12 5.84	− 6 11.4	1.308	2.302	2.4	19.3
4 1	11 56.38	− 5 22.7	1.324	2.312	4.9	19.4
4 11	11 48.26	− 4 34.9	1.365	2.322	9.6	19.7
4 21	11 42.39	− 3 54.9	1.430	2.332	13.9	20.0
5 1	11 39.31	− 3 27.9	1.514	2.343	17.5	20.3

158168 2001 QQ_{206} 3 22.0 170.°90 0.°3/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.05	− 4 0.2	1.815	2.671	12.9	21.7
3 2	12 24.29	− 3 24.4	1.746	2.676	9.1	21.5
3 12	12 15.61	− 2 35.7	1.702	2.679	4.8	21.2
3 22	12 5.85	− 1 39.1	1.686	2.682	0.4	20.9
4 1	11 56.07	− 0 41.1	1.699	2.684	4.5	21.2
4 11	11 47.35	+ 0 11.4	1.740	2.686	8.8	21.4
4 21	11 40.50	+ 0 52.9	1.807	2.686	12.7	21.7
5 1	11 36.03	+ 1 20.1	1.894	2.686	15.9	21.9

436733 2011 UP_{271} 3 22.0 207.°18 2.°0/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 24.19	−10 31.7	2.934	3.756	9.5	21.8
3 2	12 19.07	−10 12.8	2.846	3.751	7.1	21.7
3 12	12 12.79	− 9 42.0	2.784	3.746	4.4	21.5
3 22	12 5.85	− 9 1.6	2.752	3.740	2.2	21.3
4 1	11 58.84	− 8 14.7	2.749	3.734	3.0	21.4
4 11	11 52.38	− 7 25.7	2.777	3.728	5.6	21.5
4 21	11 46.98	− 6 38.6	2.832	3.721	8.3	21.7
5 1	11 43.02	− 5 57.2	2.911	3.714	10.6	21.8

11701 1998 FY_{116} 3 22.0 260.°30 2.°9/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 26.84	−10 52.2	2.030	2.863	12.7	18.1
3 2	12 21.40	−10 39.8	1.939	2.849	9.6	17.8
3 12	12 14.18	−10 10.3	1.872	2.835	6.1	17.6
3 22	12 5.85	− 9 26.1	1.832	2.821	3.1	17.4
4 1	11 57.32	− 8 31.5	1.821	2.807	4.2	17.4
4 11	11 49.56	− 7 33.1	1.838	2.792	7.8	17.6
4 21	11 43.36	− 6 37.2	1.881	2.778	11.4	17.8
5 1	11 39.29	− 5 49.5	1.945	2.763	14.6	18.0

346836 2009 DQ_{35} 3 22.0 52.°49 0.°4/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.17	− 0 18.7	1.885	2.752	12.0	20.2
3 2	12 22.74	− 0 9.1	1.838	2.774	8.3	20.0
3 12	12 14.69	+ 0 7.7	1.817	2.796	4.2	19.8
3 22	12 5.86	+ 0 27.7	1.823	2.819	0.4	19.5
4 1	11 57.21	+ 0 46.3	1.858	2.842	4.3	19.9
4 11	11 49.68	+ 0 59.1	1.920	2.865	8.2	20.2
4 21	11 43.89	+ 1 3.3	2.008	2.888	11.6	20.4
5 1	11 40.26	+ 0 57.0	2.117	2.911	14.3	20.7

364203 2006 QO_{96} 3 22.0 220.°19 1.°2/20.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.62	+ 0 11.5	1.992	2.859	11.5	21.8
3 2	12 22.57	+ 1 1.0	1.913	2.850	7.9	21.5
3 12	12 14.74	+ 1 59.8	1.860	2.840	4.0	21.3
3 22	12 5.86	+ 3 2.1	1.835	2.830	1.3	21.1
4 1	11 56.86	+ 4 1.6	1.840	2.819	5.0	21.3
4 11	11 48.70	+ 4 51.8	1.873	2.808	9.0	21.5
4 21	11 42.17	+ 5 28.3	1.930	2.796	12.6	21.7
5 1	11 37.80	+ 5 48.7	2.009	2.783	15.7	21.9

338249 2002 TX_{182} 3 22.0 236.°35 1.°2/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.45	− 7 41.9	2.752	3.587	9.7	22.3
3 2	12 20.06	− 7 7.3	2.654	3.570	7.0	22.1
3 12	12 13.35	− 6 20.9	2.582	3.552	4.1	21.9
3 22	12 5.86	− 5 25.4	2.540	3.534	1.4	21.7
4 1	11 58.22	− 4 25.0	2.529	3.515	3.1	21.8
4 11	11 51.14	− 3 24.7	2.547	3.495	6.2	21.9
4 21	11 45.17	− 2 29.1	2.594	3.475	9.2	22.1
5 1	11 40.77	− 1 42.2	2.664	3.454	11.8	22.2

230359 2002 ER_{55} 3 22.0 30.°96 0.°1/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 24.33	− 3 44.4	1.385	2.264	14.7	20.0
3 2	12 19.89	− 2 48.0	1.335	2.276	10.2	19.8
3 12	12 13.40	− 1 35.8	1.308	2.289	5.2	19.5
3 22	12 5.85	− 0 15.8	1.306	2.302	0.2	19.1
4 1	11 58.43	+ 1 2.5	1.331	2.317	5.3	19.6
4 11	11 52.26	+ 2 9.9	1.380	2.332	10.0	19.9
4 21	11 48.15	+ 3 0.2	1.453	2.348	14.2	20.2
5 1	11 46.55	+ 3 30.2	1.544	2.364	17.6	20.4

147673 2004 LO_{15} 3 22.0 250.°33 5.°6/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 25.46	+16 58.3	2.473	3.350	9.1	20.0
3 2	12 20.11	+18 7.1	2.410	3.340	6.9	19.8
3 12	12 13.37	+19 10.9	2.375	3.330	5.6	19.7
3 22	12 5.86	+20 3.5	2.369	3.320	6.1	19.8
4 1	11 58.31	+20 39.9	2.390	3.309	8.0	19.9
4 11	11 51.49	+20 57.2	2.437	3.299	10.4	20.0
4 21	11 45.99	+20 54.8	2.506	3.288	12.6	20.1
5 1	11 42.25	+20 33.7	2.595	3.277	14.6	20.3

337000 2012 MJ_3 3 22.0 237.°27 4.°9/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 25.47	+11 27.9	2.117	3.001	10.1	20.9
3 2	12 20.30	+12 59.8	2.052	2.992	7.3	20.7
3 12	12 13.54	+14 31.7	2.013	2.982	5.2	20.5
3 22	12 5.86	+15 55.7	2.004	2.972	5.5	20.5
4 1	11 58.11	+17 4.4	2.022	2.962	7.9	20.6
4 11	11 51.16	+17 52.8	2.067	2.952	10.9	20.8
4 21	11 45.69	+18 19.0	2.134	2.941	13.7	21.0
5 1	11 42.20	+18 23.1	2.220	2.930	16.1	21.1

168851 2000 UQ_{67} 3 22.0 65.°54 4.°5/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.19	−13 40.9	1.439	2.277	16.7	19.8
3 2	12 22.70	−13 33.2	1.374	2.284	12.8	19.5
3 12	12 14.93	−13 0.2	1.332	2.291	8.5	19.3
3 22	12 5.87	−12 4.8	1.313	2.298	4.9	19.1
4 1	11 56.79	−10 53.6	1.321	2.306	5.6	19.2
4 11	11 48.98	− 9 36.4	1.354	2.313	9.4	19.4
4 21	11 43.39	− 8 22.9	1.411	2.321	13.5	19.7
5 1	11 40.56	− 7 21.0	1.488	2.328	17.2	19.9

306034 2010 EF_{126} 3 22.0 319.°57 4.°4/18.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.69	+ 6 25.0	1.166	2.064	15.3	20.6
3 2	12 23.53	+ 7 18.0	1.100	2.050	10.7	20.2
3 12	12 15.57	+ 8 16.9	1.055	2.037	6.1	19.9
3 22	12 5.87	+ 9 11.4	1.035	2.024	4.8	19.8
4 1	11 55.95	+ 9 51.2	1.039	2.012	9.0	20.0
4 11	11 47.43	+10 8.2	1.065	2.000	14.2	20.2
4 21	11 41.50	+ 9 59.7	1.110	1.989	18.9	20.5
5 1	11 38.86	+ 9 26.0	1.172	1.979	22.9	20.7

330759 2008 SO_{218} 3 22.0 159.°61 0.°2/21.2 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 16.59	+ 0 42.2	11.709	12.558	2.4	23.9
3 2	12 13.21	+ 1 3.5	11.634	12.563	1.6	23.8
3 12	12 9.60	+ 1 25.9	11.589	12.568	0.8	23.8
3 22	12 5.87	+ 1 48.7	11.578	12.573	0.2	23.7
4 1	12 2.13	+ 2 11.0	11.599	12.578	0.9	23.8
4 11	11 58.52	+ 2 32.2	11.653	12.583	1.8	23.9
4 21	11 55.14	+ 2 51.5	11.737	12.588	2.5	23.9
5 1	11 52.10	+ 3 8.3	11.847	12.592	3.2	24.0

302420 2002 CV_{228} 3 22.0 163.°49 3.°8/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.38	+ 7 16.8	1.799	2.678	11.9	21.5
3 2	12 23.79	+ 8 23.1	1.742	2.683	8.2	21.3
3 12	12 15.33	+ 9 31.8	1.711	2.688	4.8	21.1
3 22	12 5.87	+10 35.0	1.708	2.692	4.1	21.1
4 1	11 56.47	+11 25.5	1.734	2.696	7.1	21.3
4 11	11 48.17	+11 58.1	1.786	2.699	10.8	21.5
4 21	11 41.75	+12 10.8	1.861	2.701	14.1	21.7
5 1	11 37.68	+12 3.9	1.956	2.703	16.9	21.9

88825 2001 SG_{159} 3 22.0 260.°00 1.°8/23.7 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.92	− 7 27.6	1.856	2.704	13.0	20.2
3 2	12 22.27	− 7 9.5	1.768	2.691	9.5	19.9
3 12	12 14.68	− 6 35.8	1.705	2.677	5.5	19.6
3 22	12 5.87	− 5 49.6	1.669	2.663	1.9	19.4
4 1	11 56.85	− 4 56.3	1.661	2.648	4.2	19.5
4 11	11 48.68	− 4 2.7	1.681	2.634	8.5	19.7
4 21	11 42.22	− 3 15.2	1.726	2.619	12.4	19.9
5 1	11 38.07	− 2 38.9	1.792	2.604	15.9	20.1

122292 2000 PG_{20} 3 22.0 238.°89 5.°5/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.38	+12 43.6	2.052	2.936	10.4	20.1
3 2	12 21.00	+14 21.3	1.986	2.924	7.6	19.9
3 12	12 13.93	+15 58.3	1.946	2.912	5.7	19.7
3 22	12 5.87	+17 25.9	1.935	2.899	6.1	19.7
4 1	11 57.71	+18 36.5	1.952	2.886	8.6	19.8
4 11	11 50.37	+19 24.8	1.995	2.872	11.6	20.0
4 21	11 44.59	+19 49.1	2.060	2.858	14.5	20.2
5 1	11 40.89	+19 50.0	2.143	2.844	16.9	20.3

429126 2009 SJ_{334} 3 22.0 105.°11 1.°1/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.66	+ 1 42.0	1.946	2.811	11.7	21.0
3 2	12 24.49	+ 1 56.2	1.890	2.826	8.1	20.8
3 12	12 15.63	+ 2 16.0	1.860	2.841	4.1	20.6
3 22	12 5.90	+ 2 36.9	1.860	2.855	1.1	20.4
4 1	11 56.29	+ 2 54.3	1.888	2.869	4.7	20.7
4 11	11 47.78	+ 3 4.3	1.945	2.883	8.6	20.9
4 21	11 41.07	+ 3 4.1	2.027	2.896	12.0	21.2
5 1	11 36.57	+ 2 52.7	2.131	2.909	14.8	21.4

400229 2007 EY_{115} 3 22.0 279.°21 4.°1/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.77	+ 6 45.0	1.358	2.246	14.3	21.2
3 2	12 25.46	+ 7 29.9	1.286	2.231	10.1	20.9
3 12	12 16.50	+ 8 19.1	1.237	2.217	5.7	20.6
3 22	12 5.90	+ 9 3.8	1.214	2.202	4.4	20.5
4 1	11 55.07	+ 9 35.4	1.217	2.188	8.3	20.7
4 11	11 45.51	+ 9 47.2	1.244	2.173	13.1	20.9
4 21	11 38.36	+ 9 36.7	1.292	2.159	17.5	21.1
5 1	11 34.31	+ 9 4.3	1.358	2.144	21.3	21.4

187430 2005 WO_{27} 3 22.0 263.°49 1.°7/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.43	+ 2 4.4	1.985	2.855	11.3	20.3
3 2	12 22.55	+ 2 47.4	1.895	2.834	7.8	20.0
3 12	12 14.81	+ 3 38.1	1.832	2.813	4.0	19.7
3 22	12 5.89	+ 4 31.1	1.797	2.791	1.8	19.5
4 1	11 56.75	+ 5 20.0	1.791	2.768	5.4	19.7
4 11	11 48.37	+ 5 59.0	1.812	2.745	9.4	19.9
4 21	11 41.59	+ 6 23.8	1.859	2.722	13.1	20.1
5 1	11 37.01	+ 6 32.4	1.925	2.698	16.3	20.3

54601 2000 RZ_{13} 3 22.0 66.°93 0.°9/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 22.47	− 8 22.9	2.185	3.032	11.4	18.3
3 2	12 18.10	− 7 2.1	2.117	3.040	8.1	18.1
3 12	12 12.36	− 5 25.4	2.075	3.049	4.5	17.9
3 22	12 5.90	− 3 38.7	2.062	3.057	1.0	17.7
4 1	11 59.47	− 1 49.4	2.079	3.066	3.6	17.9
4 11	11 53.82	− 0 5.6	2.126	3.075	7.2	18.1
4 21	11 49.53	+ 1 26.2	2.199	3.084	10.5	18.3
5 1	11 46.99	+ 2 41.6	2.296	3.092	13.3	18.5

37747 1996 YS 3 22.0 113.°74 4.°7/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.59	−19 24.8	2.689	3.464	11.6	20.0
3 2	12 20.79	−19 28.6	2.618	3.480	9.3	19.8
3 12	12 13.69	−19 14.9	2.572	3.497	6.9	19.7
3 22	12 5.91	−18 45.0	2.553	3.513	5.1	19.6
4 1	11 58.15	−18 1.5	2.562	3.529	4.8	19.6
4 11	11 51.11	−17 9.2	2.601	3.544	6.4	19.7
4 21	11 45.36	−16 13.2	2.666	3.559	8.6	19.9
5 1	11 41.28	−15 18.7	2.757	3.574	10.8	20.0

31891 2000 FR_{42} 3 22.0 284.°30 2.°3/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.91	+ 3 55.1	1.629	2.508	12.8	17.9
3 2	12 23.73	+ 4 26.2	1.560	2.503	8.9	17.7
3 12	12 15.43	+ 5 2.8	1.516	2.498	4.6	17.4
3 22	12 5.92	+ 5 38.6	1.499	2.492	2.5	17.2
4 1	11 56.34	+ 6 7.2	1.510	2.487	6.2	17.5
4 11	11 47.86	+ 6 23.0	1.547	2.482	10.6	17.7
4 21	11 41.38	+ 6 23.1	1.606	2.476	14.5	17.9
5 1	11 37.47	+ 6 6.6	1.685	2.471	17.8	18.1

435363 2007 VT_{286} 3 22.0 48.°22 6.°9/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.65	−23 30.7	1.925	2.697	15.6	20.0
3 2	12 20.49	−23 35.1	1.868	2.721	12.8	19.9
3 12	12 13.64	−23 13.0	1.832	2.745	10.0	19.8
3 22	12 5.91	−22 25.4	1.820	2.770	7.7	19.7
4 1	11 58.29	−21 16.7	1.834	2.795	7.0	19.7
4 11	11 51.73	−19 54.5	1.875	2.820	8.3	19.8
4 21	11 46.90	−18 27.2	1.941	2.845	10.7	20.0
5 1	11 44.24	−17 3.1	2.030	2.871	13.2	20.2

368577 2004 PZ_{42} 3 22.0 148.°96 2.°6/25.3 15 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.81	−12 10.6	2.656	3.468	10.7	22.3
3 2	12 21.60	−11 54.9	2.582	3.480	8.0	22.1
3 12	12 14.11	−11 25.5	2.535	3.492	5.2	22.0
3 22	12 5.92	−10 44.5	2.517	3.502	2.9	21.8
4 1	11 57.75	− 9 55.7	2.529	3.512	3.5	21.9
4 11	11 50.29	− 9 3.7	2.571	3.521	6.1	22.1
4 21	11 44.12	− 8 13.4	2.641	3.530	8.8	22.2
5 1	11 39.63	− 7 28.9	2.736	3.538	11.3	22.4

357128 2001 XP_{262} 3 22.1 81.°16 0.°5/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.94	− 2 32.5	1.368	2.242	15.1	21.2
3 2	12 23.76	− 1 40.3	1.322	2.261	10.5	20.9
3 12	12 15.40	− 0 34.3	1.299	2.280	5.3	20.7
3 22	12 5.93	+ 0 37.8	1.302	2.298	0.5	20.4
4 1	11 56.69	+ 1 46.5	1.332	2.316	5.6	20.8
4 11	11 48.90	+ 2 43.4	1.387	2.334	10.4	21.1
4 21	11 43.40	+ 3 23.2	1.466	2.352	14.6	21.4
5 1	11 40.64	+ 3 43.3	1.563	2.370	18.0	21.7

119314 2001 SW_{72} 3 22.1 318.°45 2.°0/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.35	+ 2 11.2	1.462	2.347	13.7	19.0
3 2	12 22.22	+ 2 46.4	1.387	2.332	9.5	18.7
3 12	12 14.78	+ 3 30.4	1.335	2.318	4.9	18.4
3 22	12 5.93	+ 4 16.7	1.309	2.303	2.1	18.1
4 1	11 56.88	+ 4 57.5	1.309	2.290	6.4	18.4
4 11	11 48.91	+ 5 25.6	1.334	2.277	11.2	18.6
4 21	11 43.03	+ 5 36.7	1.381	2.264	15.6	18.8
5 1	11 39.88	+ 5 28.7	1.447	2.252	19.3	19.0

327446 2005 WK_{126} 3 22.1 168.°02 0.°7/22.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.35	− 5 21.5	2.176	3.026	11.3	22.4
3 2	12 21.52	− 4 45.2	2.104	3.029	8.0	22.2
3 12	12 14.15	− 3 56.8	2.057	3.033	4.4	22.0
3 22	12 5.94	− 3 0.5	2.040	3.036	0.8	21.7
4 1	11 57.70	− 2 1.8	2.052	3.038	3.7	21.9
4 11	11 50.30	− 1 6.6	2.093	3.040	7.4	22.2
4 21	11 44.38	− 0 19.7	2.160	3.041	10.8	22.4
5 1	11 40.39	+ 0 15.3	2.249	3.042	13.6	22.6

371970 2008 FV_{132} 3 22.1 291.°08 0.°7/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 24.98	− 2 43.2	1.655	2.528	13.1	21.6
3 2	12 20.36	− 1 38.7	1.574	2.513	9.1	21.3
3 12	12 13.76	− 0 18.7	1.518	2.499	4.6	21.0
3 22	12 5.93	+ 1 10.2	1.488	2.484	0.7	20.7
4 1	11 57.92	+ 2 38.8	1.486	2.470	5.3	21.0
4 11	11 50.83	+ 3 58.1	1.511	2.456	10.0	21.2
4 21	11 45.54	+ 5 1.0	1.559	2.441	14.2	21.4
5 1	11 42.64	+ 5 43.5	1.627	2.427	17.7	21.6

127212 2002 HB_{14} 3 22.1 68.°37 12.°1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 42.33	+34 20.5	1.766	2.595	14.5	18.8
3 2	12 31.80	+35 1.8	1.751	2.618	12.9	18.8
3 12	12 19.22	+35 16.0	1.759	2.642	12.1	18.8
3 22	12 5.96	+34 56.9	1.791	2.665	12.6	18.8
4 1	11 53.52	+34 3.2	1.847	2.688	13.9	19.0
4 11	11 43.09	+32 38.8	1.926	2.712	15.6	19.1
4 21	11 35.38	+30 50.7	2.025	2.735	17.4	19.3
5 1	11 30.63	+28 46.0	2.140	2.758	18.9	19.5

289873 2005 ME_{21} 3 22.1 220.°26 0.°6/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.93	− 1 55.6	1.868	2.735	12.1	21.1
3 2	12 21.48	− 1 2.1	1.793	2.730	8.4	20.8
3 12	12 14.23	+ 0 3.2	1.744	2.724	4.3	20.6
3 22	12 5.95	+ 1 14.5	1.723	2.719	0.7	20.3
4 1	11 57.57	+ 2 24.4	1.730	2.713	4.8	20.6
4 11	11 50.11	+ 3 25.9	1.765	2.706	9.0	20.8
4 21	11 44.31	+ 4 13.7	1.824	2.700	12.8	21.0
5 1	11 40.71	+ 4 44.5	1.905	2.693	15.9	21.2

120068 2003 DC_1 3 22.1 239.°54 2.°8/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.79	+ 4 27.0	1.940	2.819	11.2	19.9
3 2	12 21.36	+ 5 35.2	1.866	2.809	7.7	19.6
3 12	12 14.17	+ 6 49.6	1.818	2.799	4.1	19.4
3 22	12 5.95	+ 8 3.2	1.799	2.788	3.1	19.3
4 1	11 57.62	+ 9 8.5	1.808	2.777	6.2	19.5
4 11	11 50.16	+ 9 59.2	1.844	2.766	10.0	19.7
4 21	11 44.30	+10 31.7	1.904	2.754	13.4	19.9
5 1	11 40.59	+10 44.6	1.984	2.742	16.3	20.1

108614 2001 ME_{25} 3 22.1 181.°88 4.°9/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.53	−19 28.9	2.333	3.114	12.9	20.0
3 2	12 21.69	−19 13.3	2.247	3.116	10.4	19.8
3 12	12 14.27	−18 36.5	2.185	3.116	7.6	19.6
3 22	12 5.95	−17 39.8	2.149	3.116	5.4	19.5
4 1	11 57.55	−16 27.1	2.143	3.115	5.1	19.4
4 11	11 49.94	−15 4.7	2.165	3.113	7.1	19.6
4 21	11 43.79	−13 39.7	2.214	3.111	9.9	19.7
5 1	11 39.59	−12 19.1	2.288	3.108	12.6	19.9

169676 2002 JS_{97} 3 22.1 301.°11 3.°7/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.30	+ 5 52.0	1.413	2.302	13.8	19.6
3 2	12 23.57	+ 6 43.6	1.347	2.294	9.6	19.3
3 12	12 15.46	+ 7 40.3	1.305	2.286	5.3	19.0
3 22	12 5.96	+ 8 33.6	1.289	2.278	4.0	18.9
4 1	11 56.35	+ 9 14.9	1.298	2.270	7.8	19.1
4 11	11 47.98	+ 9 37.5	1.332	2.262	12.3	19.3
4 21	11 41.84	+ 9 38.6	1.388	2.255	16.5	19.6
5 1	11 38.53	+ 9 18.0	1.461	2.248	20.0	19.8

285663 2000 SY_{77} 3 22.1 107.°22 0.°0/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.36	− 2 49.5	1.605	2.469	13.9	20.9
3 2	12 24.57	− 2 18.0	1.551	2.485	9.7	20.7
3 12	12 15.78	− 1 34.5	1.523	2.502	5.0	20.4
3 22	12 5.97	− 0 44.5	1.521	2.517	0.1	20.0
4 1	11 56.30	+ 0 5.0	1.548	2.533	4.8	20.5
4 11	11 47.92	+ 0 47.1	1.601	2.548	9.3	20.8
4 21	11 41.61	+ 1 17.0	1.679	2.562	13.3	21.0
5 1	11 37.85	+ 1 32.1	1.777	2.576	16.5	21.3

175982 2000 QS_{40} 3 22.1 201.°58 2.°2/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.35	− 9 42.2	2.683	3.509	10.2	20.6
3 2	12 20.68	− 9 36.5	2.598	3.505	7.6	20.4
3 12	12 13.70	− 9 19.1	2.539	3.502	4.7	20.3
3 22	12 5.96	− 8 51.9	2.509	3.498	2.3	20.1
4 1	11 58.14	− 8 17.9	2.509	3.494	3.3	20.1
4 11	11 50.95	− 7 41.4	2.539	3.490	6.1	20.3
4 21	11 44.95	− 7 6.5	2.596	3.485	8.9	20.5
5 1	11 40.58	− 6 36.9	2.676	3.480	11.4	20.6

387339 2012 VS_{108} 3 22.1 161.°23 0.°7/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.68	− 4 55.4	2.647	3.492	9.7	21.7
3 2	12 20.16	− 4 32.2	2.573	3.497	6.9	21.5
3 12	12 13.40	− 3 59.8	2.526	3.501	3.7	21.3
3 22	12 5.96	− 3 21.3	2.509	3.504	0.8	21.1
4 1	11 58.51	− 2 40.5	2.522	3.508	3.1	21.2
4 11	11 51.72	− 2 1.9	2.564	3.511	6.3	21.5
4 21	11 46.13	− 1 28.9	2.633	3.513	9.1	21.6
5 1	11 42.14	− 1 4.5	2.726	3.516	11.6	21.8

348162 2004 HN_{55} 3 22.1 327.°39 5.°4/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 23.94	+11 16.4	1.729	2.622	11.5	20.2
3 2	12 19.57	+12 32.3	1.659	2.604	8.3	20.0
3 12	12 13.33	+13 48.5	1.614	2.586	5.8	19.8
3 22	12 5.95	+14 56.4	1.595	2.569	6.0	19.7
4 1	11 58.45	+15 47.7	1.603	2.552	8.8	19.9
4 11	11 51.86	+16 16.9	1.634	2.537	12.3	20.0
4 21	11 46.99	+16 21.8	1.688	2.521	15.6	20.2
5 1	11 44.42	+16 3.1	1.758	2.507	18.5	20.4

277249 2005 RT_{30} 3 22.1 133.°77 5.°1/27.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.74	−19 15.4	2.387	3.164	12.8	21.7
3 2	12 23.11	−19 21.1	2.316	3.180	10.2	21.6
3 12	12 14.95	−19 7.3	2.268	3.196	7.6	21.4
3 22	12 5.97	−18 35.0	2.248	3.211	5.5	21.3
4 1	11 57.00	−17 47.3	2.257	3.225	5.3	21.3
4 11	11 48.88	−16 49.7	2.294	3.238	7.1	21.5
4 21	11 42.28	−15 48.2	2.359	3.251	9.6	21.7
5 1	11 37.64	−14 49.1	2.447	3.263	12.0	21.8

406587 2008 AX_{103} 3 22.1 96.°58 0.°4/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.11	− 4 3.2	1.658	2.520	13.7	21.8
3 2	12 23.64	− 3 29.5	1.606	2.538	9.6	21.6
3 12	12 15.29	− 2 42.8	1.578	2.556	5.0	21.4
3 22	12 5.97	− 1 48.6	1.578	2.574	0.5	21.0
4 1	11 56.81	− 0 53.9	1.606	2.592	4.6	21.4
4 11	11 48.87	− 0 5.6	1.661	2.609	8.9	21.7
4 21	11 42.92	+ 0 31.3	1.740	2.626	12.8	22.0
5 1	11 39.39	+ 0 53.6	1.840	2.642	15.9	22.2

215083 2009 FH_{23} 3 22.1 290.°70 1.°9/20.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.72	+ 3 37.8	2.206	3.080	10.2	20.3
3 2	12 20.48	+ 4 14.3	2.124	3.064	7.0	20.1
3 12	12 13.68	+ 4 55.9	2.069	3.049	3.6	19.8
3 22	12 5.96	+ 5 37.5	2.042	3.034	2.0	19.7
4 1	11 58.13	+ 6 14.1	2.044	3.019	5.0	19.9
4 11	11 51.01	+ 6 40.9	2.074	3.004	8.6	20.1
4 21	11 45.29	+ 6 54.9	2.128	2.989	11.8	20.2
5 1	11 41.46	+ 6 54.7	2.204	2.974	14.6	20.4

321756 2010 NK_{85} 3 22.1 282.°11 2.°4/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 23.73	+ 3 10.5	2.076	2.955	10.5	20.2
3 2	12 19.12	+ 4 25.5	2.004	2.947	7.2	20.0
3 12	12 12.98	+ 5 47.5	1.959	2.940	3.8	19.8
3 22	12 5.96	+ 7 9.8	1.942	2.932	2.6	19.7
4 1	11 58.87	+ 8 25.1	1.954	2.925	5.7	19.8
4 11	11 52.55	+ 9 27.2	1.993	2.917	9.2	20.0
4 21	11 47.67	+10 12.1	2.057	2.910	12.5	20.2
5 1	11 44.69	+10 38.0	2.141	2.902	15.2	20.4

425001 2009 CN_{64} 3 22.1 258.°97 1.°3/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 23.29	+ 0 14.0	2.321	3.190	9.9	21.3
3 2	12 18.71	+ 1 23.2	2.242	3.181	6.8	21.1
3 12	12 12.74	+ 2 41.2	2.190	3.171	3.4	20.8
3 22	12 5.97	+ 4 2.3	2.167	3.161	1.5	20.7
4 1	11 59.11	+ 5 20.1	2.174	3.151	4.6	20.9
4 11	11 52.93	+ 6 28.6	2.210	3.141	8.0	21.1
4 21	11 48.03	+ 7 23.3	2.271	3.131	11.2	21.3
5 1	11 44.85	+ 8 1.7	2.353	3.121	13.8	21.4

8644 Betulapendula 3 22.1 248.°17 0.°7/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.54	− 0 31.9	1.758	2.625	12.7	17.6
3 2	12 24.20	− 0 3.3	1.675	2.611	8.9	17.3
3 12	12 15.75	+ 0 35.5	1.616	2.597	4.5	17.0
3 22	12 5.99	+ 1 19.3	1.585	2.582	0.7	16.7
4 1	11 56.01	+ 2 1.9	1.583	2.566	5.1	17.0
4 11	11 46.97	+ 2 36.9	1.608	2.550	9.7	17.2
4 21	11 39.78	+ 2 59.5	1.657	2.534	13.8	17.4
5 1	11 35.09	+ 3 7.0	1.727	2.517	17.2	17.6

11342 1996 XJ_{19} 3 22.1 6.°97 0.°9/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.82	− 5 40.6	1.736	2.597	13.2	17.5
3 2	12 20.79	− 5 5.1	1.666	2.597	9.4	17.3
3 12	12 13.91	− 4 14.5	1.621	2.597	5.1	17.0
3 22	12 5.98	− 3 13.6	1.602	2.598	1.0	16.8
4 1	11 58.01	− 2 9.4	1.611	2.599	4.3	17.0
4 11	11 51.02	− 1 9.3	1.647	2.599	8.7	17.2
4 21	11 45.79	− 0 19.6	1.707	2.600	12.6	17.5
5 1	11 42.83	+ 0 15.7	1.788	2.601	15.9	17.7

168895 2000 WE_{131} 3 22.1 215.°48 2.°2/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.98	− 9 33.9	1.734	2.579	14.0	20.3
3 2	12 22.39	− 8 57.2	1.655	2.574	10.3	20.0
3 12	12 14.79	− 8 0.8	1.599	2.568	6.1	19.7
3 22	12 5.99	− 6 48.7	1.569	2.562	2.4	19.5
4 1	11 57.07	− 5 28.0	1.568	2.556	4.4	19.6
4 11	11 49.11	− 4 7.3	1.595	2.549	8.7	19.8
4 21	11 43.00	− 2 54.7	1.646	2.542	12.8	20.1
5 1	11 39.30	− 1 56.2	1.719	2.535	16.3	20.3

222727 2002 AG_{164} 3 22.1 107.°74 4.°2/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.23	+ 7 32.4	1.852	2.738	11.2	19.9
3 2	12 20.22	+ 9 14.1	1.800	2.745	7.7	19.7
3 12	12 13.55	+10 58.5	1.775	2.751	4.8	19.6
3 22	12 5.99	+12 36.4	1.779	2.758	4.7	19.6
4 1	11 58.48	+13 59.4	1.810	2.765	7.6	19.7
4 11	11 51.94	+15 1.3	1.868	2.771	11.0	20.0
4 21	11 47.06	+15 39.8	1.949	2.777	14.0	20.2
5 1	11 44.28	+15 54.8	2.048	2.784	16.6	20.4

202666 2006 KG_{101} 3 22.1 158.°24 0.°4/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.26	− 4 0.5	2.120	2.976	11.3	21.0
3 2	12 20.82	− 3 28.4	2.049	2.978	8.0	20.8
3 12	12 13.83	− 2 45.3	2.003	2.980	4.2	20.6
3 22	12 5.99	− 1 55.5	1.986	2.982	0.4	20.3
4 1	11 58.13	− 1 4.2	1.998	2.984	3.8	20.5
4 11	11 51.09	− 0 17.1	2.038	2.985	7.6	20.8
4 21	11 45.54	+ 0 21.2	2.104	2.987	11.0	21.0
5 1	11 41.92	+ 0 47.5	2.192	2.988	13.9	21.2

491698 2012 UP_{90} 3 22.1 140.°74 0.°5/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.25	− 0 35.0	2.745	3.603	9.0	22.5
3 2	12 19.80	+ 0 1.8	2.680	3.613	6.2	22.3
3 12	12 13.20	+ 0 44.8	2.643	3.623	3.1	22.1
3 22	12 6.00	+ 1 30.2	2.636	3.632	0.6	21.9
4 1	11 58.83	+ 2 13.9	2.660	3.641	3.5	22.2
4 11	11 52.32	+ 2 51.9	2.713	3.649	6.5	22.4
4 21	11 46.97	+ 3 21.3	2.792	3.657	9.2	22.6
5 1	11 43.14	+ 3 40.1	2.894	3.665	11.4	22.7

182871 2002 CT_{211} 3 22.1 184.°15 0.°9/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 24.96	− 5 30.5	2.682	3.526	9.6	21.1
3 2	12 19.70	− 5 9.0	2.604	3.526	6.8	20.9
3 12	12 13.20	− 4 38.1	2.553	3.526	3.8	20.7
3 22	12 6.02	− 4 0.5	2.531	3.526	1.0	20.5
4 1	11 58.80	− 3 20.2	2.539	3.525	3.1	20.7
4 11	11 52.21	− 2 41.2	2.576	3.524	6.2	20.9
4 21	11 46.78	− 2 7.5	2.640	3.523	9.0	21.1
5 1	11 42.91	− 1 41.8	2.728	3.522	11.5	21.2

168901 2000 WJ_{164} 3 22.1 222.°34 2.°1/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.94	−10 35.8	1.997	2.830	12.9	20.7
3 2	12 22.22	− 9 44.8	1.906	2.819	9.5	20.5
3 12	12 14.68	− 8 33.9	1.840	2.808	5.8	20.2
3 22	12 6.04	− 7 7.3	1.803	2.795	2.3	20.0
4 1	11 57.21	− 5 31.6	1.795	2.781	4.0	20.1
4 11	11 49.21	− 3 55.4	1.815	2.767	8.0	20.3
4 21	11 42.81	− 2 26.6	1.863	2.752	11.9	20.5
5 1	11 38.58	− 1 11.6	1.932	2.736	15.2	20.7

173740 2001 QX_{287} 3 22.1 240.°28 2.°8/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.54	−10 53.3	2.393	3.216	11.3	20.0
3 2	12 21.71	−10 57.6	2.303	3.208	8.6	19.8
3 12	12 14.33	−10 48.4	2.240	3.199	5.5	19.6
3 22	12 6.04	−10 27.1	2.204	3.190	3.1	19.4
4 1	11 57.59	− 9 56.9	2.197	3.181	3.8	19.5
4 11	11 49.83	− 9 22.1	2.220	3.172	6.8	19.6
4 21	11 43.41	− 8 47.6	2.269	3.162	9.9	19.8
5 1	11 38.84	− 8 17.7	2.341	3.152	12.6	20.0

378767 2008 RL_{130} 3 22.1 92.°73 1.°6/20.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.72	+ 1 38.1	1.923	2.797	11.5	21.5
3 2	12 21.24	+ 2 22.5	1.860	2.800	7.9	21.2
3 12	12 14.09	+ 3 14.0	1.823	2.804	4.0	21.0
3 22	12 6.04	+ 4 6.7	1.813	2.808	1.7	20.8
4 1	11 58.00	+ 4 54.6	1.833	2.811	5.1	21.1
4 11	11 50.90	+ 5 31.9	1.879	2.815	8.9	21.3
4 21	11 45.43	+ 5 55.4	1.950	2.818	12.4	21.5
5 1	11 42.05	+ 6 3.2	2.041	2.822	15.3	21.7

88586 2001 QT_{262} 3 22.1 142.°68 0.°7/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 25.73	− 3 3.6	1.995	2.857	11.6	19.3
3 2	12 20.49	− 1 41.0	1.930	2.865	8.0	19.1
3 12	12 13.68	− 0 6.0	1.893	2.873	4.0	18.8
3 22	12 6.03	+ 1 34.5	1.884	2.880	0.8	18.6
4 1	11 58.41	+ 3 12.3	1.905	2.887	4.6	18.9
4 11	11 51.69	+ 4 39.6	1.955	2.893	8.5	19.1
4 21	11 46.51	+ 5 51.0	2.030	2.899	12.0	19.4
5 1	11 43.33	+ 6 43.5	2.127	2.904	14.8	19.6

330405 2007 BX_{19} 3 22.1 136.°42 1.°0/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.46	+ 0 28.6	2.083	2.947	11.1	21.1
3 2	12 22.98	+ 1 7.8	2.024	2.960	7.7	20.9
3 12	12 14.93	+ 1 54.1	1.991	2.972	3.8	20.7
3 22	12 6.06	+ 2 42.4	1.988	2.983	1.1	20.5
4 1	11 57.27	+ 3 27.1	2.014	2.994	4.6	20.8
4 11	11 49.43	+ 4 3.2	2.068	3.004	8.2	21.0
4 21	11 43.21	+ 4 27.5	2.148	3.014	11.5	21.3
5 1	11 39.02	+ 4 38.1	2.250	3.023	14.2	21.5

177109 2003 GZ_2 3 22.1 284.°46 0.°7/22.8 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 26.00	− 4 6.1	2.299	3.152	10.6	20.1
3 2	12 20.67	− 3 51.5	2.212	3.140	7.6	19.9
3 12	12 13.82	− 3 27.1	2.151	3.127	4.1	19.6
3 22	12 6.06	− 2 55.9	2.119	3.114	0.7	19.3
4 1	11 58.17	− 2 22.0	2.115	3.102	3.6	19.5
4 11	11 50.96	− 1 50.1	2.141	3.089	7.2	19.7
4 21	11 45.09	− 1 24.3	2.192	3.077	10.5	19.9
5 1	11 41.06	− 1 7.8	2.266	3.064	13.4	20.1

425167 2009 TO_{13} 3 22.1 97.°36 2.°3/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.10	+ 2 58.7	1.983	2.857	11.1	21.4
3 2	12 21.34	+ 4 10.8	1.937	2.878	7.5	21.2
3 12	12 14.07	+ 5 28.2	1.918	2.899	3.9	21.0
3 22	12 6.06	+ 6 43.7	1.928	2.919	2.5	20.9
4 1	11 58.21	+ 7 50.5	1.968	2.939	5.5	21.2
4 11	11 51.35	+ 8 43.2	2.034	2.959	9.0	21.4
4 21	11 46.11	+ 9 18.7	2.126	2.978	12.1	21.6
5 1	11 42.86	+ 9 36.3	2.237	2.997	14.7	21.9

285530 2000 GT_{15} 3 22.1 338.°22 0.°5/22.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 24.41	− 3 39.8	0.995	1.889	17.7	20.4
3 2	12 20.90	− 3 18.9	0.927	1.874	12.7	20.0
3 12	12 14.45	− 2 37.3	0.878	1.860	6.8	19.7
3 22	12 6.07	− 1 41.2	0.850	1.847	0.6	19.2
4 1	11 57.36	− 0 40.8	0.846	1.835	6.4	19.5
4 11	11 50.08	+ 0 12.0	0.863	1.825	12.7	19.8
4 21	11 45.53	+ 0 47.9	0.898	1.817	18.4	20.1
5 1	11 44.49	+ 1 1.5	0.950	1.810	23.1	20.4

245671 2006 BF_{11} 3 22.1 30.°09 1.°4/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.77	+ 0 34.5	1.148	2.037	16.3	20.3
3 2	12 24.10	+ 1 2.1	1.097	2.044	11.3	20.1
3 12	12 15.81	+ 1 41.0	1.069	2.051	5.7	19.8
3 22	12 6.08	+ 2 23.5	1.064	2.059	1.5	19.5
4 1	11 56.47	+ 3 0.9	1.084	2.068	6.6	19.9
4 11	11 48.46	+ 3 25.4	1.127	2.078	11.9	20.2
4 21	11 43.06	+ 3 32.6	1.192	2.087	16.6	20.5
5 1	11 40.80	+ 3 21.0	1.273	2.098	20.4	20.7

408167 2013 CT_{169} 3 22.1 111.°66 4.°2/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.61	+ 4 18.4	1.619	2.501	12.7	21.1
3 2	12 22.65	+ 6 42.5	1.578	2.522	8.6	20.9
3 12	12 14.83	+ 9 12.3	1.564	2.543	5.0	20.7
3 22	12 6.08	+11 35.2	1.580	2.563	4.7	20.7
4 1	11 57.51	+13 39.3	1.625	2.582	8.1	21.0
4 11	11 50.18	+15 16.5	1.697	2.600	11.9	21.2
4 21	11 44.80	+16 23.9	1.791	2.618	15.2	21.5
5 1	11 41.80	+17 2.2	1.904	2.635	17.8	21.7

345551 2006 RV_{15} 3 22.1 154.°59 1.°6/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 23.60	−10 14.6	2.761	3.588	9.9	21.5
3 2	12 18.72	− 9 21.8	2.684	3.595	7.2	21.4
3 12	12 12.70	− 8 15.6	2.635	3.601	4.3	21.2
3 22	12 6.07	− 6 59.6	2.615	3.607	1.8	21.0
4 1	11 59.43	− 5 38.8	2.625	3.612	2.9	21.1
4 11	11 53.43	− 4 18.6	2.666	3.617	5.8	21.3
4 21	11 48.54	− 3 4.1	2.735	3.621	8.6	21.5
5 1	11 45.14	− 1 59.5	2.828	3.626	11.0	21.6

265692 2005 UN_{126} 3 22.1 153.°68 1.°5/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.33	+ 1 35.5	1.863	2.735	11.8	21.0
3 2	12 22.42	+ 2 15.1	1.798	2.738	8.1	20.7
3 12	12 14.74	+ 3 1.9	1.759	2.740	4.1	20.5
3 22	12 6.08	+ 3 50.2	1.748	2.742	1.6	20.3
4 1	11 57.43	+ 4 33.8	1.765	2.744	5.2	20.6
4 11	11 49.76	+ 5 7.1	1.809	2.746	9.2	20.8
4 21	11 43.81	+ 5 26.7	1.878	2.747	12.7	21.0
5 1	11 40.07	+ 5 30.8	1.967	2.749	15.7	21.2

312013 2007 RV_{16} 3 22.1 142.°48 1.°0/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.28	+ 0 15.9	1.974	2.836	11.7	21.9
3 2	12 24.31	+ 0 56.7	1.915	2.850	8.1	21.7
3 12	12 15.64	+ 1 45.2	1.882	2.862	4.0	21.4
3 22	12 6.10	+ 2 36.0	1.879	2.874	1.1	21.2
4 1	11 56.64	+ 3 23.1	1.905	2.885	4.8	21.5
4 11	11 48.22	+ 4 1.1	1.960	2.896	8.6	21.8
4 21	11 41.55	+ 4 26.5	2.040	2.905	12.1	22.0
5 1	11 37.06	+ 4 37.5	2.141	2.914	14.9	22.2

462876 2010 VH_{114} 3 22.1 88.°43 1.°2/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.66	+ 1 0.9	1.707	2.578	12.8	21.4
3 2	12 24.00	+ 1 33.3	1.658	2.596	8.8	21.2
3 12	12 15.50	+ 2 12.9	1.634	2.615	4.4	20.9
3 22	12 6.10	+ 2 54.1	1.637	2.633	1.3	20.8
4 1	11 56.87	+ 3 30.6	1.670	2.651	5.2	21.1
4 11	11 48.85	+ 3 57.1	1.729	2.668	9.3	21.3
4 21	11 42.78	+ 4 10.4	1.812	2.685	12.9	21.6
5 1	11 39.09	+ 4 9.2	1.915	2.702	15.9	21.8

350234 2012 TS_{56} 3 22.1 38.°16 3.°5/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 24.29	−13 51.1	2.156	2.977	12.5	20.4
3 2	12 19.51	−13 33.0	2.080	2.980	9.6	20.2
3 12	12 13.22	−12 56.8	2.028	2.983	6.4	20.0
3 22	12 6.08	−12 4.9	2.003	2.987	3.8	19.8
4 1	11 58.91	−11 1.9	2.007	2.990	4.2	19.9
4 11	11 52.52	− 9 54.3	2.038	2.994	7.0	20.0
4 21	11 47.58	− 8 48.3	2.096	2.998	10.1	20.2
5 1	11 44.53	− 7 49.8	2.176	3.002	13.0	20.4

79428 1997 SL_{10} 3 22.1 228.°11 0.°1/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.25	− 3 47.8	1.918	2.778	12.1	19.6
3 2	12 21.74	− 3 2.4	1.839	2.771	8.6	19.3
3 12	12 14.45	− 2 4.0	1.785	2.763	4.5	19.1
3 22	12 6.10	− 0 57.6	1.758	2.755	0.1	18.7
4 1	11 57.62	+ 0 10.2	1.761	2.746	4.4	19.0
4 11	11 50.01	+ 1 12.3	1.792	2.737	8.6	19.2
4 21	11 44.04	+ 2 2.9	1.847	2.728	12.4	19.5
5 1	11 40.23	+ 2 38.4	1.924	2.718	15.6	19.6

262775 2006 YR_8 3 22.1 346.°55 0.°4/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.77	− 3 40.4	1.647	2.513	13.5	20.9
3 2	12 22.27	− 3 15.0	1.577	2.512	9.5	20.6
3 12	12 14.76	− 2 36.3	1.532	2.510	5.1	20.3
3 22	12 6.10	− 1 49.3	1.513	2.510	0.5	20.0
4 1	11 57.38	− 1 0.4	1.522	2.509	4.6	20.3
4 11	11 49.70	− 0 16.6	1.557	2.508	9.2	20.6
4 21	11 43.93	+ 0 16.4	1.617	2.508	13.3	20.8
5 1	11 40.60	+ 0 35.2	1.696	2.507	16.7	21.0

177924 2005 SV_{246} 3 22.1 299.°24 1.°1/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 23.76	− 6 31.5	2.277	3.126	10.9	20.4
3 2	12 19.12	− 6 0.2	2.193	3.117	7.8	20.2
3 12	12 13.03	− 5 16.4	2.134	3.108	4.4	20.0
3 22	12 6.10	− 4 23.4	2.104	3.099	1.2	19.7
4 1	11 59.07	− 3 26.3	2.103	3.090	3.5	19.9
4 11	11 52.72	− 2 30.7	2.130	3.081	7.0	20.1
4 21	11 47.69	− 1 41.6	2.183	3.073	10.4	20.3
5 1	11 44.43	− 1 3.1	2.259	3.064	13.2	20.5

1723 Klemola 3 22.1 26.°18 2.°8/18.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 23.79	+ 4 18.7	2.015	2.896	10.6	14.6
3 2	12 19.19	+ 5 36.1	1.954	2.898	7.3	14.4
3 12	12 13.06	+ 6 58.9	1.919	2.900	3.9	14.1
3 22	12 6.10	+ 8 20.1	1.913	2.902	3.1	14.1
4 1	11 59.14	+ 9 32.2	1.936	2.904	6.0	14.3
4 11	11 53.02	+10 29.4	1.985	2.906	9.4	14.5
4 21	11 48.39	+11 8.4	2.058	2.908	12.6	14.7
5 1	11 45.67	+11 27.9	2.151	2.910	15.2	14.9

114055 2002 VG_{20} 3 22.1 154.°79 2.°2/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.54	+ 2 42.0	1.604	2.478	13.3	20.6
3 2	12 25.53	+ 3 31.5	1.545	2.485	9.2	20.3
3 12	12 16.41	+ 4 28.1	1.511	2.492	4.7	20.1
3 22	12 6.14	+ 5 24.6	1.505	2.498	2.4	19.9
4 1	11 55.94	+ 6 13.4	1.527	2.504	6.2	20.2
4 11	11 46.99	+ 6 48.1	1.576	2.509	10.6	20.5
4 21	11 40.15	+ 7 5.5	1.648	2.513	14.5	20.7
5 1	11 35.95	+ 7 4.5	1.740	2.516	17.7	20.9

181235 2005 TQ_{130} 3 22.1 250.°78 2.°3/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.58	+ 5 47.1	2.531	3.404	9.1	20.8
3 2	12 20.23	+ 6 25.1	2.456	3.396	6.2	20.6
3 12	12 13.55	+ 7 5.7	2.409	3.388	3.4	20.4
3 22	12 6.12	+ 7 44.4	2.390	3.379	2.5	20.3
4 1	11 58.64	+ 8 16.7	2.402	3.371	4.9	20.5
4 11	11 51.82	+ 8 38.9	2.441	3.362	7.9	20.6
4 21	11 46.23	+ 8 48.9	2.506	3.353	10.7	20.8
5 1	11 42.31	+ 8 45.6	2.592	3.344	13.1	21.0

219554 2001 RM_{123} 3 22.1 107.°31 0.°9/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.78	− 1 27.4	1.758	2.628	12.5	20.8
3 2	12 21.39	− 0 27.0	1.698	2.636	8.6	20.5
3 12	12 14.24	+ 0 44.7	1.663	2.644	4.3	20.3
3 22	12 6.12	+ 2 0.7	1.656	2.652	1.0	20.1
4 1	11 58.05	+ 3 13.4	1.677	2.659	5.0	20.4
4 11	11 51.01	+ 4 15.5	1.726	2.667	9.2	20.6
4 21	11 45.74	+ 5 1.9	1.798	2.674	12.9	20.9
5 1	11 42.69	+ 5 30.3	1.891	2.681	16.0	21.1

155085 2005 SW_{147} 3 22.1 84.°45 0.°1/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.61	− 3 10.8	1.731	2.598	12.9	20.6
3 2	12 21.33	− 2 23.4	1.667	2.602	9.0	20.4
3 12	12 14.24	− 1 23.1	1.627	2.607	4.6	20.1
3 22	12 6.12	− 0 15.8	1.614	2.611	0.1	19.8
4 1	11 58.01	+ 0 51.1	1.630	2.615	4.7	20.2
4 11	11 50.92	+ 1 50.2	1.672	2.619	9.0	20.4
4 21	11 45.61	+ 2 36.0	1.739	2.623	12.8	20.7
5 1	11 42.57	+ 3 5.4	1.826	2.627	16.0	20.9

64617 2001 XP_{28} 3 22.1 195.°01 3.°2/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.74	+ 5 8.9	1.856	2.732	11.7	19.8
3 2	12 23.47	+ 6 25.1	1.789	2.730	8.1	19.6
3 12	12 15.34	+ 7 46.9	1.748	2.727	4.5	19.4
3 22	12 6.14	+ 9 6.2	1.736	2.723	3.5	19.3
4 1	11 56.88	+10 15.2	1.753	2.719	6.7	19.5
4 11	11 48.61	+11 7.4	1.797	2.713	10.5	19.7
4 21	11 42.12	+11 39.4	1.864	2.707	14.0	19.9
5 1	11 37.91	+11 50.7	1.951	2.700	16.9	20.1

374548 2006 BQ_{96} 3 22.1 66.°70 0.°5/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.85	− 2 9.2	1.840	2.708	12.2	20.8
3 2	12 20.72	− 1 20.7	1.776	2.713	8.4	20.6
3 12	12 13.89	− 0 21.0	1.737	2.717	4.3	20.4
3 22	12 6.13	+ 0 44.1	1.726	2.722	0.5	20.1
4 1	11 58.38	+ 1 47.6	1.743	2.727	4.6	20.4
4 11	11 51.58	+ 2 42.9	1.788	2.732	8.7	20.6
4 21	11 46.45	+ 3 25.0	1.857	2.737	12.3	20.9
5 1	11 43.44	+ 3 51.1	1.946	2.742	15.4	21.1

59675 1999 JC_{101} 3 22.1 296.°87 5.°8/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.09	+10 54.6	1.670	2.562	11.8	19.0
3 2	12 20.51	+12 39.7	1.600	2.545	8.5	18.7
3 12	12 13.93	+14 27.1	1.556	2.527	6.1	18.5
3 22	12 6.13	+16 6.2	1.539	2.510	6.6	18.5
4 1	11 58.16	+17 26.9	1.548	2.492	9.6	18.7
4 11	11 51.13	+18 22.2	1.582	2.475	13.2	18.8
4 21	11 45.91	+18 49.2	1.637	2.458	16.6	19.0
5 1	11 43.09	+18 48.6	1.708	2.441	19.5	19.2

377970 2006 KG_{117} 3 22.1 88.°86 2.°2/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.02	−10 23.7	2.042	2.879	12.4	20.9
3 2	12 20.03	− 9 45.1	1.974	2.888	9.2	20.7
3 12	12 13.49	− 8 49.6	1.931	2.898	5.6	20.5
3 22	12 6.13	− 7 41.3	1.915	2.907	2.4	20.3
4 1	11 58.78	− 6 26.1	1.929	2.916	3.7	20.4
4 11	11 52.31	− 5 11.1	1.970	2.925	7.3	20.6
4 21	11 47.36	− 4 2.8	2.038	2.934	10.7	20.9
5 1	11 44.36	− 3 6.2	2.128	2.943	13.6	21.1

244761 2003 SD_{98} 3 22.1 118.°37 0.°3/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.94	− 4 4.6	1.761	2.620	13.1	20.9
3 2	12 23.54	− 3 25.2	1.704	2.635	9.2	20.7
3 12	12 15.32	− 2 33.0	1.672	2.650	4.8	20.4
3 22	12 6.15	− 1 33.5	1.668	2.664	0.4	20.1
4 1	11 57.08	− 0 33.5	1.692	2.678	4.4	20.5
4 11	11 49.14	+ 0 19.9	1.744	2.691	8.7	20.8
4 21	11 43.08	+ 1 1.7	1.821	2.704	12.4	21.0
5 1	11 39.34	+ 1 28.8	1.919	2.716	15.5	21.2

330391 2006 YL_4 3 22.1 346.°37 4.°8/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.03	−14 25.4	1.626	2.455	15.5	20.2
3 2	12 21.89	−14 28.4	1.550	2.453	12.0	19.9
3 12	12 14.65	−14 8.6	1.496	2.451	8.3	19.7
3 22	12 6.15	−13 27.3	1.467	2.449	5.2	19.5
4 1	11 57.51	−12 29.5	1.465	2.447	5.5	19.5
4 11	11 49.90	−11 23.1	1.488	2.446	8.9	19.7
4 21	11 44.24	−10 16.8	1.536	2.445	12.7	19.9
5 1	11 41.12	− 9 18.2	1.605	2.445	16.2	20.1

286165 2001 US_6 3 22.1 56.°04 0.°8/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.97	+ 0 14.9	1.240	2.121	15.9	20.0
3 2	12 26.19	+ 0 26.0	1.190	2.132	11.1	19.7
3 12	12 16.86	+ 0 47.2	1.162	2.144	5.6	19.4
3 22	12 6.18	+ 1 12.5	1.160	2.156	0.8	19.1
4 1	11 55.66	+ 1 34.8	1.183	2.168	6.0	19.5
4 11	11 46.76	+ 1 47.6	1.231	2.181	11.2	19.8
4 21	11 40.47	+ 1 47.1	1.301	2.194	15.7	20.1
5 1	11 37.27	+ 1 31.6	1.389	2.206	19.4	20.4

18322 Korokan 3 22.1 182.°46 1.°0/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.40	− 6 36.5	2.299	3.144	11.0	19.2
3 2	12 20.90	− 5 56.6	2.222	3.145	7.9	19.0
3 12	12 13.93	− 5 3.9	2.171	3.145	4.4	18.8
3 22	12 6.15	− 4 2.5	2.149	3.144	1.1	18.5
4 1	11 58.32	− 2 57.6	2.157	3.144	3.5	18.7
4 11	11 51.25	− 1 55.1	2.194	3.142	7.1	18.9
4 21	11 45.55	− 1 0.2	2.257	3.141	10.3	19.1
5 1	11 41.67	− 0 16.7	2.343	3.138	13.1	19.3

211940 2004 XU_{50} 3 22.1 23.°24 1.°1/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.39	+ 0 17.2	1.055	1.949	16.9	19.6
3 2	12 23.25	+ 0 36.8	1.010	1.958	11.7	19.3
3 12	12 15.42	+ 1 8.1	0.985	1.969	5.9	19.0
3 22	12 6.17	+ 1 43.7	0.984	1.980	1.2	18.7
4 1	11 57.09	+ 2 14.8	1.007	1.993	6.5	19.1
4 11	11 49.70	+ 2 33.7	1.053	2.007	12.0	19.5
4 21	11 45.01	+ 2 36.1	1.119	2.022	16.8	19.8
5 1	11 43.50	+ 2 20.4	1.202	2.038	20.7	20.1

468825 2012 TL_{60} 3 22.1 243.°11 4.°0/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.62	+10 34.5	2.457	3.334	9.2	21.7
3 2	12 21.07	+11 45.9	2.378	3.316	6.5	21.5
3 12	12 14.05	+12 57.8	2.328	3.298	4.4	21.3
3 22	12 6.16	+14 4.2	2.306	3.280	4.4	21.3
4 1	11 58.15	+14 59.1	2.314	3.261	6.7	21.4
4 11	11 50.79	+15 38.1	2.350	3.241	9.5	21.5
4 21	11 44.72	+15 59.2	2.409	3.220	12.2	21.7
5 1	11 40.42	+16 2.0	2.489	3.200	14.5	21.8

297637 2001 TX_{140} 3 22.1 242.°58 3.°0/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.39	+ 3 59.8	1.734	2.610	12.4	21.8
3 2	12 24.20	+ 5 10.0	1.651	2.593	8.6	21.5
3 12	12 15.87	+ 6 28.6	1.594	2.575	4.6	21.3
3 22	12 6.19	+ 7 47.6	1.566	2.556	3.3	21.1
4 1	11 56.25	+ 8 58.3	1.566	2.536	6.9	21.3
4 11	11 47.24	+ 9 53.1	1.592	2.515	11.2	21.5
4 21	11 40.11	+10 27.4	1.642	2.494	15.1	21.7
5 1	11 35.48	+10 39.8	1.711	2.472	18.5	21.9

209099 2003 SM_{55} 3 22.1 207.°26 2.°1/24.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.36	− 8 37.1	1.796	2.639	13.6	21.1
3 2	12 23.35	− 8 14.6	1.716	2.635	10.0	20.8
3 12	12 15.36	− 7 34.8	1.661	2.631	5.9	20.6
3 22	12 6.18	− 6 41.2	1.633	2.626	2.3	20.3
4 1	11 56.87	− 5 39.7	1.634	2.621	4.3	20.4
4 11	11 48.52	− 4 37.8	1.662	2.615	8.5	20.7
4 21	11 41.99	− 3 42.5	1.715	2.609	12.5	20.9
5 1	11 37.84	− 2 58.9	1.790	2.602	15.9	21.1

114355 2002 XX_{80} 3 22.1 132.°84 4.°0/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.42	+11 30.5	2.494	3.371	9.0	19.7
3 2	12 20.74	+12 26.6	2.443	3.380	6.4	19.6
3 12	12 13.78	+13 20.7	2.419	3.389	4.3	19.5
3 22	12 6.16	+14 7.4	2.425	3.398	4.3	19.5
4 1	11 58.62	+14 42.2	2.459	3.406	6.3	19.6
4 11	11 51.85	+15 2.1	2.521	3.414	8.9	19.8
4 21	11 46.40	+15 6.0	2.607	3.422	11.3	20.0
5 1	11 42.65	+14 54.4	2.714	3.429	13.3	20.1

508228 2015 HP 3 22.1 190.°74 4.°4/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.66	+13 22.1	2.596	3.473	8.7	21.4
3 2	12 20.24	+14 21.9	2.537	3.472	6.3	21.2
3 12	12 13.55	+15 18.9	2.506	3.471	4.6	21.1
3 22	12 6.17	+16 7.8	2.503	3.469	4.7	21.1
4 1	11 58.80	+16 43.9	2.530	3.468	6.7	21.2
4 11	11 52.13	+17 4.2	2.583	3.466	9.1	21.4
4 21	11 46.71	+17 7.9	2.661	3.463	11.4	21.5
5 1	11 42.94	+16 55.2	2.758	3.461	13.4	21.7

3438 Inarradas 3 22.1 193.°67 0.°1/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.88	− 1 15.5	2.807	3.658	9.0	17.5
3 2	12 21.71	− 1 1.7	2.727	3.656	6.3	17.3
3 12	12 14.30	− 0 41.9	2.675	3.653	3.2	17.1
3 22	12 6.18	− 0 18.8	2.654	3.650	0.1	16.8
4 1	11 58.02	+ 0 4.3	2.663	3.647	3.2	17.1
4 11	11 50.48	+ 0 24.0	2.703	3.643	6.3	17.3
4 21	11 44.10	+ 0 37.5	2.769	3.638	9.1	17.4
5 1	11 39.30	+ 0 42.9	2.859	3.634	11.5	17.6

196510 2003 NR_1 3 22.1 272.°55 4.°3/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.14	−14 5.9	2.028	2.844	13.3	20.5
3 2	12 22.51	−14 13.3	1.929	2.825	10.4	20.2
3 12	12 14.97	−14 2.2	1.854	2.806	7.2	20.0
3 22	12 6.19	−13 33.4	1.806	2.786	4.6	19.8
4 1	11 57.10	−12 49.8	1.786	2.766	5.0	19.8
4 11	11 48.73	−11 57.5	1.793	2.746	8.0	19.9
4 21	11 41.94	−11 2.9	1.826	2.726	11.5	20.1
5 1	11 37.37	−10 12.7	1.881	2.705	14.8	20.3

14801 1980 PE_3 3 22.1 278.°30 9.°0/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.56	+22 5.9	1.739	2.614	12.4	17.7
3 2	12 25.01	+23 22.3	1.678	2.597	10.2	17.5
3 12	12 16.25	+24 27.0	1.641	2.580	9.0	17.4
3 22	12 6.20	+25 10.5	1.629	2.563	9.7	17.4
4 1	11 56.07	+25 26.0	1.643	2.546	12.0	17.5
4 11	11 47.10	+25 10.8	1.680	2.529	14.8	17.7
4 21	11 40.20	+24 26.6	1.737	2.512	17.6	17.8
5 1	11 35.95	+23 17.6	1.810	2.495	20.0	18.0

310938 2003 SK_{332} 3 22.1 113.°35 1.°7/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.74	+ 0 54.4	1.738	2.610	12.6	21.6
3 2	12 23.39	+ 1 54.1	1.687	2.627	8.6	21.4
3 12	12 15.25	+ 3 1.9	1.662	2.644	4.3	21.2
3 22	12 6.19	+ 4 10.8	1.665	2.660	1.8	21.1
4 1	11 57.28	+ 5 13.1	1.697	2.675	5.5	21.3
4 11	11 49.54	+ 6 2.6	1.756	2.691	9.6	21.6
4 21	11 43.67	+ 6 35.5	1.839	2.705	13.1	21.9
5 1	11 40.11	+ 6 50.4	1.942	2.719	16.0	22.1

366690 2003 UQ_{340} 3 22.1 14.°19 1.°8/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.43	+ 1 39.7	1.372	2.256	14.5	20.6
3 2	12 23.68	+ 2 13.9	1.312	2.257	10.0	20.3
3 12	12 15.60	+ 2 57.0	1.276	2.258	5.1	20.0
3 22	12 6.20	+ 3 42.1	1.265	2.260	1.9	19.8
4 1	11 56.79	+ 4 21.2	1.280	2.262	6.3	20.1
4 11	11 48.70	+ 4 47.4	1.320	2.264	11.2	20.4
4 21	11 42.89	+ 4 56.9	1.383	2.267	15.5	20.6
5 1	11 39.89	+ 4 48.1	1.463	2.270	19.1	20.9

500905 2013 NA_1 3 22.1 300.°35 1.°5/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.67	− 7 35.6	1.435	2.299	15.2	21.1
3 2	12 21.21	− 6 51.0	1.352	2.283	11.1	20.8
3 12	12 14.43	− 5 44.1	1.292	2.268	6.3	20.5
3 22	12 6.19	− 4 20.1	1.257	2.253	1.6	20.2
4 1	11 57.67	− 2 47.8	1.249	2.238	5.0	20.4
4 11	11 50.18	− 1 18.4	1.266	2.223	10.2	20.6
4 21	11 44.76	− 0 1.4	1.306	2.208	15.0	20.8
5 1	11 42.09	+ 0 56.3	1.365	2.194	19.1	21.1

496320 2013 HZ_{142} 3 22.1 259.°79 0.°0/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.99	− 3 23.4	1.701	2.565	13.2	22.6
3 2	12 23.28	− 2 43.8	1.613	2.547	9.4	22.3
3 12	12 15.42	− 1 49.7	1.550	2.529	4.9	22.0
3 22	12 6.20	− 0 46.1	1.514	2.510	0.1	21.5
4 1	11 56.69	+ 0 19.6	1.506	2.491	4.9	21.9
4 11	11 48.08	+ 1 19.6	1.525	2.471	9.7	22.1
4 21	11 41.32	+ 2 7.1	1.567	2.451	14.0	22.3
5 1	11 37.07	+ 2 38.0	1.631	2.431	17.7	22.5

290633 2005 UM_{246} 3 22.1 273.°48 0.°2/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.14	− 3 42.5	1.370	2.244	15.2	21.5
3 2	12 23.00	− 2 49.7	1.292	2.231	10.7	21.2
3 12	12 15.38	− 1 38.3	1.237	2.218	5.6	20.8
3 22	12 6.20	− 0 15.0	1.208	2.205	0.2	20.4
4 1	11 56.76	+ 1 10.1	1.205	2.191	5.7	20.8
4 11	11 48.45	+ 2 26.3	1.227	2.177	11.2	21.0
4 21	11 42.37	+ 3 25.3	1.272	2.164	16.0	21.3
5 1	11 39.20	+ 4 2.3	1.335	2.150	20.1	21.5

307521 2003 AN_{61} 3 22.1 162.°26 1.°4/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.91	− 7 56.7	2.301	3.137	11.2	20.6
3 2	12 21.92	− 7 18.0	2.227	3.145	8.1	20.4
3 12	12 14.46	− 6 25.8	2.181	3.151	4.7	20.2
3 22	12 6.19	− 5 23.9	2.163	3.157	1.5	20.0
4 1	11 57.93	− 4 17.6	2.175	3.162	3.5	20.1
4 11	11 50.46	− 3 12.9	2.217	3.166	7.0	20.3
4 21	11 44.42	− 2 15.0	2.286	3.170	10.2	20.6
5 1	11 40.24	− 1 28.1	2.377	3.172	12.9	20.7

65295 2002 JC_{24} 3 22.1 280.°07 1.°9/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.94	+ 2 28.8	1.877	2.753	11.6	19.6
3 2	12 21.52	+ 3 14.5	1.809	2.750	8.0	19.3
3 12	12 14.35	+ 4 7.0	1.766	2.747	4.1	19.1
3 22	12 6.19	+ 5 0.2	1.751	2.745	2.0	18.9
4 1	11 58.00	+ 5 47.8	1.765	2.742	5.4	19.2
4 11	11 50.73	+ 6 24.0	1.805	2.740	9.4	19.4
4 21	11 45.12	+ 6 45.2	1.870	2.737	12.9	19.6
5 1	11 41.66	+ 6 50.0	1.955	2.734	15.9	19.8

425280 2009 WQ_{180} 3 22.1 151.°18 2.°9/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.53	+ 5 57.9	2.130	3.006	10.4	21.7
3 2	12 21.71	+ 6 55.8	2.071	3.012	7.2	21.5
3 12	12 14.36	+ 7 56.5	2.039	3.018	4.0	21.3
3 22	12 6.20	+ 8 54.0	2.036	3.023	3.1	21.3
4 1	11 58.08	+ 9 42.3	2.062	3.028	5.8	21.4
4 11	11 50.84	+10 16.9	2.115	3.033	9.1	21.6
4 21	11 45.11	+10 35.4	2.193	3.037	12.1	21.8
5 1	11 41.34	+10 37.3	2.291	3.041	14.7	22.0

264935 2002 VW_{40} 3 22.1 113.°53 3.°8/25.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.48	−13 23.4	1.794	2.620	14.4	20.5
3 2	12 22.65	−13 9.5	1.726	2.630	11.0	20.3
3 12	12 14.95	−12 34.7	1.682	2.640	7.2	20.1
3 22	12 6.21	−11 42.0	1.665	2.649	4.1	19.9
4 1	11 57.48	−10 36.8	1.675	2.659	4.7	19.9
4 11	11 49.80	− 9 27.0	1.712	2.668	8.1	20.2
4 21	11 43.95	− 8 20.1	1.775	2.677	11.7	20.4
5 1	11 40.43	− 7 22.7	1.860	2.686	14.8	20.6

133027 2002 XJ_4 3 22.1 238.°45 11.°9/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 42.77	+22 4.6	1.173	2.050	17.0	20.1
3 2	12 33.83	+23 37.1	1.112	2.035	13.8	19.9
3 12	12 21.20	+24 54.1	1.074	2.019	12.0	19.7
3 22	12 6.29	+25 39.9	1.059	2.002	12.7	19.7
4 1	11 51.17	+25 43.0	1.068	1.984	15.8	19.8
4 11	11 37.97	+25 1.0	1.098	1.965	19.7	20.0
4 21	11 28.19	+23 39.7	1.145	1.944	23.5	20.1
5 1	11 22.54	+21 48.1	1.205	1.923	26.9	20.3

69098 2003 BZ_{59} 3 22.1 107.°87 3.°2/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.06	+ 4 42.7	1.412	2.296	14.2	19.8
3 2	12 25.37	+ 5 33.1	1.361	2.305	9.8	19.5
3 12	12 16.40	+ 6 28.7	1.334	2.315	5.2	19.3
3 22	12 6.24	+ 7 21.1	1.333	2.324	3.4	19.2
4 1	11 56.20	+ 8 2.1	1.359	2.333	7.2	19.4
4 11	11 47.60	+ 8 25.7	1.411	2.342	11.7	19.7
4 21	11 41.32	+ 8 29.6	1.484	2.351	15.6	20.0
5 1	11 37.84	+ 8 13.8	1.576	2.359	18.9	20.2

332371 2007 EG_{172} 3 22.1 99.°22 1.°3/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 24.34	−10 12.3	1.837	2.681	13.3	20.3
3 2	12 19.72	− 8 41.0	1.766	2.687	9.6	20.1
3 12	12 13.42	− 6 48.2	1.721	2.693	5.5	19.9
3 22	12 6.20	− 4 41.1	1.704	2.699	1.5	19.6
4 1	11 59.00	− 2 29.4	1.718	2.705	4.0	19.8
4 11	11 52.74	− 0 23.7	1.760	2.711	8.2	20.1
4 21	11 48.12	+ 1 27.2	1.828	2.717	12.1	20.3
5 1	11 45.60	+ 2 57.6	1.918	2.723	15.3	20.5

386555 2009 DJ_{53} 3 22.1 105.°44 3.°8/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 24.74	+ 8 59.8	2.340	3.220	9.4	20.8
3 2	12 19.65	+10 24.5	2.294	3.234	6.6	20.6
3 12	12 13.26	+11 49.3	2.275	3.249	4.2	20.5
3 22	12 6.22	+13 7.5	2.286	3.263	4.2	20.5
4 1	11 59.24	+14 13.2	2.327	3.277	6.4	20.7
4 11	11 53.07	+15 2.1	2.394	3.290	9.2	20.9
4 21	11 48.23	+15 32.5	2.485	3.303	11.7	21.1
5 1	11 45.10	+15 44.5	2.597	3.316	13.8	21.3

376155 2011 BP_{75} 3 22.1 226.°81 1.°5/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 24.98	− 0 36.4	1.968	2.839	11.4	20.7
3 2	12 20.14	+ 0 46.9	1.895	2.834	7.8	20.5
3 12	12 13.65	+ 2 21.6	1.848	2.829	3.9	20.3
3 22	12 6.22	+ 4 0.5	1.829	2.823	1.6	20.1
4 1	11 58.72	+ 5 35.4	1.840	2.818	5.2	20.3
4 11	11 52.04	+ 6 58.3	1.879	2.812	9.1	20.5
4 21	11 46.89	+ 8 4.0	1.942	2.806	12.7	20.7
5 1	11 43.76	+ 8 49.7	2.027	2.799	15.6	20.9

33728 1999 NO_{16} 3 22.1 289.°47 6.°0/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.14	−20 51.2	2.297	3.074	13.2	18.8
3 2	12 20.93	−21 10.4	2.206	3.065	10.9	18.6
3 12	12 14.09	−21 9.3	2.137	3.056	8.4	18.5
3 22	12 6.23	−20 47.7	2.093	3.048	6.5	18.3
4 1	11 58.18	−20 7.5	2.077	3.039	6.1	18.3
4 11	11 50.83	−19 13.7	2.087	3.031	7.7	18.4
4 21	11 44.91	−18 12.6	2.124	3.022	10.2	18.5
5 1	11 40.96	−17 10.9	2.184	3.014	12.8	18.6

238519 2004 TC_{133} 3 22.1 198.°73 1.°6/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.42	+ 1 53.3	2.075	2.939	11.2	21.0
3 2	12 24.55	+ 2 39.4	1.999	2.935	7.7	20.8
3 12	12 15.91	+ 3 32.4	1.950	2.930	3.9	20.5
3 22	12 6.25	+ 4 26.8	1.930	2.924	1.7	20.4
4 1	11 56.51	+ 5 16.6	1.940	2.917	5.1	20.6
4 11	11 47.65	+ 5 56.3	1.979	2.909	8.9	20.8
4 21	11 40.42	+ 6 22.4	2.043	2.900	12.4	21.0
5 1	11 35.36	+ 6 33.0	2.128	2.890	15.3	21.2

329237 2012 FG_{14} 3 22.1 255.°79 7.°7/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.57	+19 18.6	1.783	2.658	12.1	20.0
3 2	12 25.59	+20 18.5	1.723	2.649	9.5	19.8
3 12	12 16.51	+21 8.8	1.689	2.640	7.8	19.7
3 22	12 6.26	+21 41.1	1.681	2.630	8.3	19.7
4 1	11 56.01	+21 49.3	1.699	2.620	10.5	19.8
4 11	11 46.92	+21 31.0	1.742	2.610	13.5	20.0
4 21	11 39.88	+20 47.7	1.806	2.600	16.3	20.1
5 1	11 35.40	+19 42.8	1.887	2.590	18.8	20.3

292841 2006 UA_{290} 3 22.1 308.°53 0.°0/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.83	− 1 42.2	1.505	2.377	14.2	20.2
3 2	12 23.98	− 1 30.6	1.430	2.367	10.0	19.9
3 12	12 15.83	− 1 7.6	1.378	2.358	5.2	19.6
3 22	12 6.25	− 0 37.7	1.353	2.349	0.1	19.1
4 1	11 56.49	− 0 7.1	1.354	2.340	5.2	19.5
4 11	11 47.84	+ 0 17.5	1.381	2.332	10.2	19.8
4 21	11 41.29	+ 0 31.2	1.431	2.323	14.6	20.0
5 1	11 37.50	+ 0 30.7	1.501	2.315	18.3	20.3

21084 1991 UV_3 3 22.1 63.°29 4.°3/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.60	−15 17.2	1.710	2.533	15.1	18.1
3 2	12 21.35	−14 56.0	1.651	2.550	11.6	17.9
3 12	12 14.28	−14 11.4	1.615	2.568	7.9	17.7
3 22	12 6.24	−13 6.8	1.604	2.586	4.8	17.6
4 1	11 58.29	−11 48.5	1.621	2.604	5.0	17.6
4 11	11 51.46	−10 25.3	1.664	2.622	8.1	17.9
4 21	11 46.48	− 9 5.8	1.733	2.640	11.6	18.1
5 1	11 43.80	− 7 56.7	1.824	2.658	14.7	18.4

264396 2000 EP_{52} 3 22.1 170.°67 0.°1/21.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.21	− 2 53.9	1.873	2.735	12.3	21.8
3 2	12 22.41	− 2 11.1	1.804	2.737	8.6	21.6
3 12	12 14.83	− 1 16.6	1.760	2.739	4.4	21.3
3 22	12 6.25	− 0 15.6	1.744	2.740	0.1	20.9
4 1	11 57.65	+ 0 45.3	1.757	2.742	4.5	21.3
4 11	11 50.00	+ 1 39.3	1.798	2.743	8.6	21.6
4 21	11 44.05	+ 2 21.3	1.863	2.743	12.3	21.8
5 1	11 40.31	+ 2 48.3	1.950	2.743	15.4	22.0

423670 2005 YP_{175} 3 22.1 319.°20 6.°6/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.66	+12 12.9	1.473	2.369	12.9	20.0
3 2	12 21.22	+13 37.4	1.397	2.342	9.4	19.7
3 12	12 14.47	+15 2.6	1.345	2.316	6.9	19.5
3 22	12 6.25	+16 17.9	1.318	2.290	7.3	19.4
4 1	11 57.73	+17 12.8	1.316	2.265	10.5	19.5
4 11	11 50.22	+17 40.3	1.338	2.240	14.5	19.7
4 21	11 44.76	+17 38.2	1.379	2.216	18.3	19.9
5 1	11 42.03	+17 7.6	1.435	2.193	21.6	20.0

197215 2003 WY_{24} 3 22.1 92.°28 18.°3/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.44	−39 32.3	1.170	1.872	27.2	19.8
3 2	12 27.73	−41 11.9	1.111	1.881	24.9	19.7
3 12	12 18.24	−42 1.9	1.064	1.890	22.5	19.5
3 22	12 6.29	−41 52.9	1.032	1.898	20.3	19.4
4 1	11 53.99	−40 41.4	1.016	1.907	18.7	19.3
4 11	11 43.64	−38 35.7	1.018	1.915	18.4	19.3
4 21	11 36.89	−35 52.6	1.038	1.923	19.4	19.4
5 1	11 34.49	−32 53.0	1.077	1.931	21.3	19.5

173929 2001 VH_{93} 3 22.1 176.°23 4.°5/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.01	+15 10.5	2.952	3.826	7.9	21.2
3 2	12 19.70	+16 22.1	2.898	3.828	5.9	21.1
3 12	12 13.27	+17 30.1	2.872	3.830	4.6	21.0
3 22	12 6.24	+18 29.4	2.876	3.831	4.9	21.0
4 1	11 59.21	+19 15.8	2.909	3.832	6.6	21.1
4 11	11 52.80	+19 46.3	2.969	3.832	8.7	21.3
4 21	11 47.50	+20 0.2	3.053	3.832	10.7	21.4
5 1	11 43.66	+19 57.9	3.157	3.831	12.4	21.6

292115 2006 RO_{59} 3 22.1 106.°18 0.°7/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 23.79	− 5 59.5	2.344	3.194	10.6	20.9
3 2	12 19.06	− 5 10.2	2.274	3.200	7.5	20.8
3 12	12 13.01	− 4 9.0	2.231	3.206	4.1	20.5
3 22	12 6.24	− 3 0.1	2.217	3.213	0.7	20.3
4 1	11 59.47	− 1 49.3	2.232	3.219	3.4	20.5
4 11	11 53.44	− 0 42.3	2.276	3.225	6.8	20.7
4 21	11 48.69	+ 0 15.9	2.347	3.230	10.0	20.9
5 1	11 45.63	+ 1 1.9	2.440	3.236	12.6	21.1

368988 2007 EB_{159} 3 22.1 99.°29 4.°2/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.75	−13 16.0	1.879	2.697	14.1	21.8
3 2	12 24.84	−13 32.4	1.816	2.714	10.8	21.6
3 12	12 16.07	−13 30.2	1.778	2.731	7.3	21.5
3 22	12 6.28	−13 10.9	1.766	2.747	4.5	21.3
4 1	11 56.53	−12 38.3	1.783	2.763	5.0	21.4
4 11	11 47.89	−11 58.5	1.827	2.779	8.0	21.6
4 21	11 41.10	−11 17.8	1.897	2.795	11.3	21.8
5 1	11 36.68	−10 42.1	1.990	2.810	14.2	22.0

437243 2012 XG_{27} 3 22.1 111.°97 4.°5/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.49	+13 8.3	2.387	3.265	9.3	21.3
3 2	12 20.87	+14 1.1	2.335	3.271	6.8	21.1
3 12	12 13.91	+14 50.7	2.310	3.276	4.8	21.0
3 22	12 6.25	+15 31.5	2.313	3.282	4.8	21.0
4 1	11 58.65	+15 58.9	2.345	3.287	6.9	21.1
4 11	11 51.86	+16 10.2	2.403	3.292	9.4	21.3
4 21	11 46.45	+16 4.7	2.486	3.298	11.9	21.5
5 1	11 42.80	+15 43.1	2.588	3.303	14.0	21.7

303326 2004 TS_{110} 3 22.1 138.°64 2.°2/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.70	−10 9.6	1.841	2.677	13.7	21.4
3 2	12 23.42	− 9 27.6	1.776	2.690	10.0	21.2
3 12	12 15.33	− 8 27.1	1.736	2.703	6.0	21.0
3 22	12 6.27	− 7 12.6	1.723	2.715	2.4	20.8
4 1	11 57.26	− 5 51.1	1.739	2.726	4.1	21.0
4 11	11 49.32	− 4 30.8	1.784	2.737	8.1	21.2
4 21	11 43.19	− 3 18.9	1.854	2.746	11.8	21.5
5 1	11 39.34	− 2 20.7	1.947	2.755	14.9	21.7

339013 2004 GT_{76} 3 22.1 310.°41 7.°9/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.54	+23 13.4	2.100	2.968	10.9	20.0
3 2	12 23.23	+24 11.3	2.047	2.961	8.9	19.8
3 12	12 15.21	+24 57.2	2.020	2.954	8.0	19.7
3 22	12 6.27	+25 24.5	2.020	2.948	8.5	19.8
4 1	11 57.39	+25 28.3	2.045	2.941	10.3	19.9
4 11	11 49.52	+25 7.2	2.094	2.935	12.6	20.0
4 21	11 43.38	+24 22.9	2.165	2.929	14.9	20.1
5 1	11 39.40	+23 18.6	2.253	2.923	16.9	20.3

260872 2005 QR_{110} 3 22.1 266.°17 0.°6/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.38	− 3 58.0	2.409	3.261	10.3	20.8
3 2	12 20.94	− 3 42.7	2.322	3.249	7.3	20.6
3 12	12 14.04	− 3 18.0	2.260	3.236	4.0	20.4
3 22	12 6.27	− 2 46.9	2.228	3.224	0.7	20.1
4 1	11 58.37	− 2 13.4	2.225	3.211	3.5	20.3
4 11	11 51.12	− 1 41.9	2.251	3.199	7.0	20.5
4 21	11 45.16	− 1 16.4	2.303	3.186	10.2	20.7
5 1	11 40.96	− 0 59.8	2.378	3.173	12.9	20.8

43104 1999 XP_{21} 3 22.1 272.°86 4.°5/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.12	+ 9 39.6	1.929	2.814	10.9	18.5
3 2	12 20.97	+10 54.4	1.864	2.806	7.7	18.2
3 12	12 14.11	+12 10.2	1.825	2.799	5.0	18.1
3 22	12 6.27	+13 19.3	1.815	2.792	4.9	18.0
4 1	11 58.38	+14 14.4	1.832	2.785	7.6	18.2
4 11	11 51.37	+14 50.5	1.875	2.778	10.9	18.4
4 21	11 45.98	+15 5.4	1.940	2.771	14.0	18.6
5 1	11 42.70	+14 59.3	2.025	2.763	16.7	18.7

7348 1993 FJ_{22} 3 22.1 15.°35 0.°1/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.36	− 2 21.4	1.902	2.769	11.9	17.2
3 2	12 20.40	− 1 51.8	1.836	2.772	8.3	17.0
3 12	12 13.79	− 1 11.9	1.795	2.775	4.3	16.8
3 22	12 6.27	− 0 26.3	1.781	2.778	0.1	16.4
4 1	11 58.74	+ 0 19.2	1.796	2.781	4.2	16.8
4 11	11 52.11	+ 0 58.7	1.838	2.785	8.2	17.0
4 21	11 47.07	+ 1 27.9	1.904	2.790	11.8	17.2
5 1	11 44.09	+ 1 44.0	1.991	2.794	14.8	17.5

388583 2007 RE_{97} 3 22.1 143.°42 3.°3/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.29	+ 8 35.9	2.297	3.174	9.7	20.6
3 2	12 21.49	+ 9 19.3	2.238	3.177	6.8	20.4
3 12	12 14.26	+10 2.9	2.205	3.181	4.0	20.2
3 22	12 6.28	+10 41.4	2.201	3.184	3.5	20.2
4 1	11 58.33	+11 10.2	2.226	3.187	5.9	20.3
4 11	11 51.20	+11 25.6	2.279	3.190	8.9	20.5
4 21	11 45.49	+11 26.3	2.356	3.193	11.6	20.7
5 1	11 41.62	+11 12.2	2.454	3.196	14.0	20.9

135316 2001 SN_{277} 3 22.1 162.°46 2.°7/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.90	−11 43.0	2.664	3.481	10.5	20.0
3 2	12 21.14	−11 40.6	2.585	3.485	8.0	19.8
3 12	12 14.08	−11 25.2	2.532	3.488	5.2	19.7
3 22	12 6.28	−10 58.6	2.507	3.492	2.9	19.5
4 1	11 58.44	−10 23.8	2.512	3.495	3.5	19.6
4 11	11 51.25	− 9 45.1	2.547	3.498	6.1	19.7
4 21	11 45.29	− 9 6.9	2.608	3.500	8.8	19.9
5 1	11 40.97	− 8 33.1	2.694	3.502	11.2	20.1

63104 2000 WR_{151} 3 22.1 169.°01 5.°2/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.36	+14 55.1	2.360	3.235	9.6	19.6
3 2	12 22.22	+16 8.4	2.308	3.240	7.1	19.5
3 12	12 14.64	+17 17.3	2.283	3.243	5.4	19.4
3 22	12 6.29	+18 15.5	2.288	3.247	5.7	19.4
4 1	11 57.99	+18 57.6	2.321	3.249	7.7	19.5
4 11	11 50.53	+19 20.4	2.380	3.251	10.2	19.7
4 21	11 44.52	+19 23.6	2.463	3.253	12.6	19.9
5 1	11 40.37	+19 8.2	2.565	3.254	14.6	20.0

265540 2005 NZ_{121} 3 22.1 189.°67 1.°0/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.78	+ 0 6.1	2.137	3.000	10.9	21.7
3 2	12 22.67	+ 0 47.7	2.064	2.999	7.6	21.5
3 12	12 14.94	+ 1 37.3	2.018	2.998	3.8	21.3
3 22	12 6.30	+ 2 29.9	2.000	2.996	1.0	21.0
4 1	11 57.61	+ 3 19.7	2.013	2.993	4.5	21.3
4 11	11 49.76	+ 4 1.5	2.053	2.990	8.3	21.5
4 21	11 43.43	+ 4 31.5	2.120	2.986	11.6	21.7
5 1	11 39.11	+ 4 47.4	2.207	2.982	14.4	21.9

369652 2011 FW_{38} 3 22.1 163.°03 2.°2/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.37	+ 3 58.6	2.141	3.014	10.5	21.1
3 2	12 21.64	+ 4 48.9	2.077	3.017	7.2	20.9
3 12	12 14.38	+ 5 43.7	2.040	3.020	3.8	20.7
3 22	12 6.29	+ 6 37.5	2.031	3.023	2.4	20.6
4 1	11 58.21	+ 7 24.4	2.052	3.025	5.3	20.8
4 11	11 50.98	+ 7 59.7	2.101	3.027	8.7	21.0
4 21	11 45.24	+ 8 20.6	2.175	3.029	11.8	21.2
5 1	11 41.45	+ 8 25.9	2.269	3.030	14.5	21.4

328355 2008 LZ_{16} 3 22.1 57.°57 3.°4/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.32	−13 50.0	1.572	2.408	15.6	19.7
3 2	12 20.61	−13 1.9	1.511	2.421	11.8	19.5
3 12	12 13.97	−11 48.5	1.473	2.435	7.6	19.3
3 22	12 6.30	−10 15.1	1.460	2.448	3.9	19.1
4 1	11 58.69	− 8 30.2	1.475	2.462	4.6	19.2
4 11	11 52.24	− 6 44.7	1.516	2.476	8.5	19.5
4 21	11 47.71	− 5 8.2	1.582	2.490	12.5	19.7
5 1	11 45.57	− 3 47.7	1.670	2.504	15.9	20.0

75854 2000 CZ_4 3 22.1 88.°73 3.°9/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.29	+ 6 2.8	1.583	2.468	12.8	19.1
3 2	12 22.58	+ 7 22.3	1.536	2.481	8.8	18.9
3 12	12 14.94	+ 8 45.3	1.515	2.494	5.0	18.7
3 22	12 6.31	+10 2.7	1.521	2.507	4.2	18.7
4 1	11 57.82	+11 6.0	1.554	2.520	7.5	18.9
4 11	11 50.55	+11 49.2	1.613	2.532	11.3	19.2
4 21	11 45.26	+12 10.0	1.694	2.544	14.8	19.4
5 1	11 42.39	+12 8.7	1.793	2.557	17.7	19.6

502530 2015 BG_{439} 3 22.1 39.°48 1.°9/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.62	− 7 22.2	1.882	2.730	12.9	21.5
3 2	12 22.04	− 7 12.2	1.810	2.732	9.4	21.3
3 12	12 14.68	− 6 47.7	1.763	2.734	5.5	21.1
3 22	12 6.31	− 6 12.1	1.743	2.737	2.0	20.8
4 1	11 57.89	− 5 30.3	1.751	2.739	4.0	21.0
4 11	11 50.39	− 4 48.4	1.787	2.741	7.9	21.2
4 21	11 44.58	− 4 11.8	1.848	2.743	11.6	21.4
5 1	11 40.97	− 3 45.0	1.930	2.746	14.8	21.6

467972 2012 KG_{48} 3 22.1 216.°28 5.°4/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.62	+13 54.1	2.136	3.015	10.2	21.3
3 2	12 21.90	+15 13.0	2.074	3.010	7.5	21.1
3 12	12 14.56	+16 29.0	2.040	3.003	5.6	21.0
3 22	12 6.31	+17 34.6	2.034	2.996	6.0	21.0
4 1	11 58.02	+18 23.5	2.056	2.989	8.2	21.1
4 11	11 50.58	+18 51.7	2.103	2.982	11.1	21.3
4 21	11 44.69	+18 58.2	2.174	2.974	13.7	21.4
5 1	11 40.80	+18 44.0	2.263	2.966	16.0	21.6

419740 2010 VN_{72} 3 22.1 170.°43 4.°6/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.41	−18 19.3	2.251	3.039	13.1	22.7
3 2	12 22.42	−17 57.7	2.169	3.044	10.4	22.6
3 12	12 14.83	−17 14.8	2.111	3.048	7.5	22.4
3 22	12 6.32	−16 12.4	2.080	3.051	5.0	22.2
4 1	11 57.76	−14 54.8	2.078	3.054	4.9	22.2
4 11	11 50.04	−13 29.0	2.105	3.055	7.2	22.4
4 21	11 43.83	−12 2.4	2.159	3.056	10.1	22.5
5 1	11 39.62	−10 41.8	2.237	3.056	12.9	22.7

5076 Lebedev–Kumach 3 22.1 110.°09 0.°7/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.86	− 6 40.7	1.800	2.651	13.2	17.5
3 2	12 22.78	− 5 36.2	1.746	2.672	9.4	17.3
3 12	12 14.98	− 4 16.0	1.717	2.693	5.0	17.0
3 22	12 6.32	− 2 46.8	1.717	2.713	0.8	16.8
4 1	11 57.81	− 1 16.6	1.746	2.733	4.2	17.1
4 11	11 50.41	+ 0 6.3	1.803	2.751	8.4	17.4
4 21	11 44.81	+ 1 15.5	1.886	2.770	12.0	17.6
5 1	11 41.44	+ 2 7.6	1.990	2.787	15.1	17.9

243751 2000 QZ_{129} 3 22.1 176.°22 5.°6/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.27	+ 2 59.8	1.199	2.091	15.5	19.9
3 2	12 23.89	+ 6 17.1	1.144	2.094	10.6	19.7
3 12	12 15.88	+ 9 50.8	1.116	2.095	6.3	19.4
3 22	12 6.34	+13 20.1	1.116	2.097	6.6	19.4
4 1	11 56.75	+16 23.9	1.143	2.097	11.1	19.7
4 11	11 48.61	+18 47.2	1.196	2.097	15.9	20.0
4 21	11 43.00	+20 25.1	1.268	2.095	20.1	20.2
5 1	11 40.50	+21 19.4	1.355	2.094	23.5	20.5

373502 2001 BE_{63} 3 22.1 74.°02 6.°7/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.42	−21 6.8	1.896	2.676	15.5	20.4
3 2	12 23.95	−21 31.0	1.838	2.700	12.6	20.2
3 12	12 15.63	−21 30.6	1.803	2.724	9.6	20.1
3 22	12 6.34	−21 5.9	1.793	2.748	7.3	20.0
4 1	11 57.13	−20 20.5	1.809	2.772	6.8	20.0
4 11	11 49.04	−19 21.2	1.852	2.796	8.5	20.2
4 21	11 42.84	−18 15.9	1.921	2.819	11.1	20.4
5 1	11 38.99	−17 12.3	2.012	2.843	13.7	20.6

300875 2008 AM_{65} 3 22.1 358.°84 1.°5/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 23.99	− 7 25.4	2.011	2.862	12.0	20.8
3 2	12 19.44	− 6 58.1	1.937	2.861	8.7	20.6
3 12	12 13.33	− 6 16.4	1.888	2.860	5.0	20.4
3 22	12 6.31	− 5 24.1	1.865	2.860	1.7	20.1
4 1	11 59.24	− 4 26.7	1.872	2.860	3.7	20.3
4 11	11 52.98	− 3 30.4	1.905	2.860	7.5	20.5
4 21	11 48.21	− 2 40.9	1.964	2.861	11.0	20.7
5 1	11 45.39	− 2 2.6	2.045	2.862	14.0	20.9

161691 2006 HX_{41} 3 22.1 295.°83 8.°6/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.75	+23 6.6	1.921	2.794	11.5	19.7
3 2	12 22.88	+24 25.7	1.869	2.785	9.5	19.5
3 12	12 15.13	+25 32.7	1.842	2.775	8.6	19.4
3 22	12 6.34	+26 19.4	1.841	2.766	9.4	19.5
4 1	11 57.56	+26 39.8	1.865	2.757	11.4	19.6
4 11	11 49.83	+26 31.9	1.912	2.748	13.8	19.7
4 21	11 43.93	+25 57.2	1.978	2.739	16.2	19.8
5 1	11 40.34	+24 59.1	2.061	2.730	18.3	20.0

90654 2067 T_{-3} 3 22.1 70.°83 2.°0/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.73	− 8 19.8	1.626	2.478	14.3	19.6
3 2	12 22.27	− 7 53.9	1.562	2.486	10.5	19.4
3 12	12 14.85	− 7 10.0	1.522	2.494	6.1	19.2
3 22	12 6.34	− 6 12.5	1.508	2.502	2.2	18.9
4 1	11 57.85	− 5 8.3	1.522	2.510	4.4	19.1
4 11	11 50.46	− 4 5.5	1.562	2.518	8.7	19.4
4 21	11 45.00	− 3 11.1	1.627	2.526	12.7	19.6
5 1	11 41.97	− 2 30.1	1.712	2.535	16.1	19.9

282308 2002 TH_{26} 3 22.1 156.°38 0.°0/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.11	− 4 25.0	1.609	2.471	14.0	21.6
3 2	12 23.94	− 3 22.4	1.545	2.478	9.8	21.4
3 12	12 15.72	− 2 3.9	1.506	2.484	5.1	21.1
3 22	12 6.36	− 0 36.5	1.494	2.490	0.1	20.7
4 1	11 57.02	+ 0 50.8	1.510	2.495	5.0	21.1
4 11	11 48.84	+ 2 8.8	1.554	2.500	9.6	21.4
4 21	11 42.67	+ 3 11.0	1.622	2.504	13.8	21.6
5 1	11 39.03	+ 3 53.6	1.710	2.507	17.1	21.9

449595 2014 JB_{45} 3 22.1 290.°85 1.°2/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.09	− 0 26.1	1.224	2.108	15.9	21.2
3 2	12 24.58	+ 0 13.6	1.154	2.098	11.1	20.9
3 12	12 16.33	+ 1 7.7	1.106	2.088	5.7	20.6
3 22	12 6.37	+ 2 8.6	1.083	2.079	1.3	20.2
4 1	11 56.18	+ 3 6.4	1.085	2.069	6.6	20.6
4 11	11 47.33	+ 3 51.6	1.111	2.060	12.2	20.8
4 21	11 40.99	+ 4 17.9	1.158	2.051	17.2	21.1
5 1	11 37.86	+ 4 22.5	1.223	2.042	21.4	21.3

172466 2003 SN_{17} 3 22.1 231.°87 0.°9/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.08	− 6 22.7	1.978	2.825	12.4	20.7
3 2	12 23.14	− 5 41.0	1.888	2.812	8.9	20.4
3 12	12 15.33	− 4 43.9	1.823	2.797	5.0	20.2
3 22	12 6.36	− 3 35.4	1.786	2.781	1.1	19.8
4 1	11 57.18	− 2 22.1	1.778	2.765	4.1	20.0
4 11	11 48.79	− 1 11.2	1.800	2.748	8.4	20.2
4 21	11 42.01	− 0 9.3	1.847	2.730	12.2	20.4
5 1	11 37.45	+ 0 38.7	1.915	2.711	15.6	20.6

60932 2000 JY_{49} 3 22.1 246.°92 5.°1/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.34	−16 1.4	1.822	2.636	14.8	19.1
3 2	12 22.76	−16 7.5	1.739	2.630	11.6	18.9
3 12	12 15.18	−15 51.4	1.678	2.624	8.3	18.7
3 22	12 6.36	−15 14.1	1.642	2.618	5.5	18.5
4 1	11 57.35	−14 19.5	1.634	2.613	5.6	18.5
4 11	11 49.26	−13 14.6	1.652	2.606	8.5	18.7
4 21	11 42.96	−12 7.3	1.696	2.600	12.0	18.8
5 1	11 39.06	−11 5.3	1.761	2.594	15.2	19.0

381511 2008 SX_{166} 3 22.1 226.°77 3.°2/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.12	+ 8 34.2	2.296	3.168	9.9	21.4
3 2	12 23.57	+ 9 10.3	2.220	3.158	7.0	21.1
3 12	12 15.43	+ 9 46.8	2.172	3.148	4.1	20.9
3 22	12 6.37	+10 18.7	2.153	3.137	3.5	20.9
4 1	11 57.23	+10 41.1	2.164	3.126	5.9	21.0
4 11	11 48.89	+10 50.5	2.202	3.114	9.1	21.2
4 21	11 42.01	+10 45.3	2.266	3.102	12.1	21.4
5 1	11 37.09	+10 25.4	2.350	3.090	14.6	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
295775	2008 UO_{201}		3 22.1	166.°98	1.°2/21.0	18
	h m	° ′			°	m
2 21	12 32.03	+ 0 25.9	1.816	2.681	12.5	21.8
3 2	12 25.11	+ 1 10.0	1.750	2.686	8.6	21.6
3 12	12 16.28	+ 2 2.7	1.711	2.691	4.3	21.3
3 22	12 6.39	+ 2 58.2	1.700	2.695	1.3	21.1
4 1	11 56.51	+ 3 49.6	1.719	2.699	5.2	21.4
4 11	11 47.70	+ 4 30.8	1.765	2.701	9.4	21.6
4 21	11 40.77	+ 4 57.9	1.836	2.703	13.1	21.8
5 1	11 36.23	+ 5 8.9	1.927	2.703	16.2	22.1
154944	2004 TZ_{61}		3 22.1	244.°18	1.°1/20.9	18
2 21	12 28.28	+ 0 41.3	2.126	2.992	10.9	20.8
3 2	12 22.45	+ 1 20.0	2.041	2.978	7.6	20.6
3 12	12 14.92	+ 2 6.5	1.983	2.963	3.8	20.3
3 22	12 6.37	+ 2 56.0	1.953	2.948	1.2	20.1
4 1	11 57.67	+ 3 43.1	1.953	2.933	4.7	20.3
4 11	11 49.71	+ 4 22.1	1.981	2.917	8.5	20.5
4 21	11 43.24	+ 4 49.2	2.034	2.901	12.0	20.7
5 1	11 38.80	+ 5 1.9	2.108	2.884	15.0	20.9
369830	2012 JS		3 22.1	28.°08	6.°2/28.4	18
2 21	12 25.15	−19 34.3	1.558	2.368	17.0	19.9
3 2	12 20.68	−19 20.5	1.487	2.372	13.6	19.7
3 12	12 14.12	−18 36.7	1.438	2.377	10.0	19.5
3 22	12 6.36	−17 24.8	1.411	2.383	6.9	19.3
4 1	11 58.55	−15 50.9	1.411	2.389	6.5	19.3
4 11	11 51.86	−14 5.3	1.436	2.395	9.0	19.5
4 21	11 47.17	−12 19.1	1.486	2.401	12.6	19.7
5 1	11 45.01	−10 42.4	1.557	2.408	16.0	19.9
427628	2003 UK_{110}		3 22.1	201.°50	3.°7/18.1	17
2 21	12 28.29	+ 9 40.2	2.227	3.103	10.0	21.7
3 2	12 22.29	+10 27.8	2.162	3.101	7.0	21.6
3 12	12 14.75	+11 15.0	2.124	3.098	4.4	21.4
3 22	12 6.37	+11 56.3	2.115	3.096	4.0	21.3
4 1	11 57.99	+12 26.4	2.135	3.093	6.4	21.5
4 11	11 50.43	+12 41.7	2.183	3.089	9.4	21.7
4 21	11 44.36	+12 40.8	2.254	3.086	12.3	21.8
5 1	11 40.21	+12 23.8	2.346	3.082	14.7	22.0
62760	2000 UR_9		3 22.1	148.°17	8.°0/11.8	18
2 21	12 29.84	+27 53.7	2.532	3.382	9.9	18.2
3 2	12 23.21	+28 50.3	2.493	3.385	8.5	18.1
3 12	12 15.15	+29 32.9	2.480	3.387	8.0	18.1
3 22	12 6.38	+29 56.4	2.494	3.390	8.6	18.1
4 1	11 57.74	+29 57.1	2.533	3.392	10.0	18.2
4 11	11 50.05	+29 34.8	2.596	3.394	11.7	18.3
4 21	11 43.89	+28 51.2	2.680	3.396	13.4	18.5
5 1	11 39.66	+27 49.4	2.782	3.398	14.9	18.6
248045	2004 HT_{49}		3 22.2	290.°50	2.°1/19.8	17
2 21	12 25.74	+ 3 42.6	2.170	3.045	10.3	20.7
3 2	12 20.68	+ 4 28.6	2.083	3.024	7.1	20.4
3 12	12 14.02	+ 5 20.4	2.022	3.002	3.7	20.2
3 22	12 6.37	+ 6 12.7	1.989	2.981	2.3	20.0
4 1	11 58.54	+ 6 59.6	1.986	2.960	5.3	20.2
4 11	11 51.39	+ 7 36.0	2.009	2.938	8.9	20.4
4 21	11 45.64	+ 7 58.3	2.058	2.917	12.2	20.5
5 1	11 41.80	+ 8 4.8	2.127	2.895	15.1	20.7
205365	2000 YE_{37}		3 22.2	89.°49	17.°9/	7.2 18
2 21	12 34.19	−38 13.0	1.194	1.902	26.5	20.3
3 2	12 28.24	−39 58.3	1.135	1.910	24.2	20.1
3 12	12 18.57	−40 56.2	1.088	1.919	21.7	20.0
3 22	12 6.44	−40 57.4	1.057	1.927	19.6	19.8
4 1	11 53.91	−39 58.6	1.043	1.936	18.1	19.8
4 11	11 43.28	−38 7.6	1.047	1.944	18.0	19.8
4 21	11 36.15	−35 40.5	1.069	1.952	19.1	19.9
5 1	11 33.34	−32 57.3	1.110	1.960	21.1	20.0
102214	1999 TO_1		3 22.2	170.°73	1.°7/20.7	18
2 21	12 32.73	+ 3 1.0	1.942	2.808	11.7	19.7
3 2	12 25.51	+ 3 27.8	1.875	2.812	8.1	19.5
3 12	12 16.47	+ 3 59.5	1.835	2.815	4.1	19.2
3 22	12 6.41	+ 4 31.2	1.824	2.818	1.8	19.1
4 1	11 56.36	+ 4 57.6	1.842	2.819	5.2	19.3
4 11	11 47.33	+ 5 14.1	1.888	2.821	9.1	19.5
4 21	11 40.10	+ 5 18.2	1.960	2.821	12.6	19.8
5 1	11 35.16	+ 5 8.6	2.052	2.821	15.5	20.0
302486	2002 GP_{61}		3 22.2	56.°60	0.°5/21.8	18
2 21	12 27.62	− 3 10.6	1.316	2.194	15.4	20.2
3 2	12 22.43	− 2 11.1	1.266	2.206	10.7	20.0
3 12	12 15.00	− 0 55.6	1.238	2.219	5.4	19.7
3 22	12 6.38	+ 0 27.4	1.235	2.232	0.5	19.4
4 1	11 57.89	+ 1 47.7	1.259	2.245	5.6	19.8
4 11	11 50.78	+ 2 55.5	1.308	2.258	10.7	20.1
4 21	11 45.91	+ 3 44.7	1.379	2.271	15.0	20.4
5 1	11 43.77	+ 4 12.2	1.469	2.285	18.6	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
120088	2003 EW_{32}		3 22.2	198.°69	0.°8/21.2	17 R
	h m	° ′			°	m
2 21	12 27.09	− 1 6.3	2.193	3.055	10.7	20.2
3 2	12 21.51	− 0 12.0	2.117	3.052	7.4	20.0
3 12	12 14.39	+ 0 51.8	2.068	3.048	3.7	19.7
3 22	12 6.38	+ 1 59.8	2.048	3.044	0.9	19.5
4 1	11 58.32	+ 3 5.8	2.058	3.039	4.3	19.8
4 11	11 51.03	+ 4 3.8	2.097	3.034	8.1	20.0
4 21	11 45.17	+ 4 49.5	2.161	3.029	11.4	20.2
5 1	11 41.23	+ 5 20.2	2.247	3.022	14.2	20.4
136089	2003 BG_{17}		3 22.2	142.°12	2.°1/24.4	18
2 21	12 29.65	− 8 27.3	2.587	3.413	10.5	19.7
3 2	12 23.08	− 8 38.3	2.511	3.420	7.7	19.5
3 12	12 15.13	− 8 38.7	2.463	3.427	4.7	19.3
3 22	12 6.40	− 8 29.9	2.443	3.433	2.3	19.2
4 1	11 57.64	− 8 14.8	2.455	3.439	3.4	19.3
4 11	11 49.60	− 7 56.9	2.495	3.445	6.3	19.5
4 21	11 42.87	− 7 40.0	2.564	3.450	9.1	19.6
5 1	11 37.89	− 7 27.2	2.656	3.456	11.6	19.8
382302	2012 VZ_{112}		3 22.2	180.°74	4.°2/27.6	18
2 21	12 25.56	−17 43.4	2.654	3.441	11.4	21.5
3 2	12 20.31	−17 36.7	2.568	3.442	9.0	21.3
3 12	12 13.73	−17 12.9	2.507	3.442	6.6	21.2
3 22	12 6.39	−16 33.4	2.473	3.442	4.6	21.0
4 1	11 58.98	−15 41.0	2.468	3.442	4.4	21.0
4 11	11 52.21	−14 40.8	2.492	3.441	6.3	21.2
4 21	11 46.66	−13 38.1	2.543	3.440	8.8	21.3
5 1	11 42.77	−12 38.2	2.619	3.439	11.2	21.5
191924	2005 SG_{64}		3 22.2	152.°31	0.°7/21.6	18
2 21	12 33.10	− 0 53.1	1.659	2.523	13.5	20.7
3 2	12 25.98	− 0 17.4	1.597	2.532	9.4	20.5
3 12	12 16.78	+ 0 28.5	1.560	2.540	4.8	20.2
3 22	12 6.45	+ 1 18.8	1.551	2.547	0.8	19.9
4 1	11 56.16	+ 2 6.7	1.571	2.554	5.1	20.2
4 11	11 47.09	+ 2 45.5	1.618	2.560	9.7	20.5
4 21	11 40.07	+ 3 10.9	1.689	2.565	13.6	20.8
5 1	11 35.64	+ 3 20.5	1.781	2.569	16.9	21.0
221676	2007 DP_4		3 22.2	105.°60	3.°8/24.7	18
2 21	12 35.82	− 9 41.1	1.838	2.666	14.0	19.8
3 2	12 27.90	−10 28.1	1.764	2.671	10.6	19.5
3 12	12 17.83	−11 0.9	1.715	2.675	6.9	19.3
3 22	12 6.47	−11 19.7	1.694	2.679	4.0	19.1
4 1	11 54.99	−11 26.3	1.702	2.684	5.0	19.2
4 11	11 44.58	−11 24.9	1.739	2.688	8.5	19.4
4 21	11 36.17	−11 20.4	1.801	2.692	12.1	19.7
5 1	11 30.34	−11 17.7	1.885	2.696	15.2	19.9
194039	2001 SF_{88}		3 22.2	64.°90	0.°0/22.1	18
2 21	12 27.32	− 4 54.7	1.295	2.169	15.8	19.4
3 2	12 22.33	− 3 46.0	1.238	2.176	11.1	19.1
3 12	12 15.03	− 2 17.6	1.204	2.184	5.8	18.9
3 22	12 6.44	− 0 38.3	1.195	2.191	0.1	18.4
4 1	11 57.89	+ 1 0.4	1.212	2.199	5.6	18.9
4 11	11 50.70	+ 2 27.3	1.255	2.207	10.8	19.2
4 21	11 45.78	+ 3 34.2	1.320	2.214	15.4	19.5
5 1	11 43.66	+ 4 17.5	1.403	2.222	19.1	19.7
283521	2001 TM_{83}		3 22.2	161.°51	1.°5/24.1	18
2 21	12 25.48	− 8 21.3	2.705	3.538	9.9	21.2
3 2	12 20.16	− 7 55.5	2.629	3.543	7.2	21.1
3 12	12 13.63	− 7 18.3	2.579	3.547	4.3	20.9
3 22	12 6.42	− 6 32.6	2.559	3.551	1.7	20.7
4 1	11 59.20	− 5 42.1	2.568	3.555	3.0	20.8
4 11	11 52.61	− 4 51.7	2.608	3.558	6.0	21.0
4 21	11 47.19	− 4 5.5	2.674	3.561	8.8	21.2
5 1	11 43.32	− 3 27.0	2.765	3.564	11.2	21.4
186906	2004 LC_{20}		3 22.2	197.°65	7.°2/12.8	18
2 21	12 30.34	+22 57.0	2.444	3.306	9.8	20.4
3 2	12 23.68	+24 13.7	2.393	3.303	8.0	20.3
3 12	12 15.49	+25 20.4	2.369	3.298	7.2	20.2
3 22	12 6.45	+26 10.4	2.373	3.293	7.8	20.2
4 1	11 57.43	+26 38.9	2.404	3.288	9.5	20.3
4 11	11 49.28	+26 44.1	2.460	3.281	11.6	20.4
4 21	11 42.65	+26 26.7	2.538	3.274	13.6	20.6
5 1	11 37.97	+25 49.2	2.633	3.266	15.4	20.7
389980	2012 TQ_{254}		3 22.2	99.°93	3.°5/26.0	17
2 21	12 27.01	−13 23.2	2.265	3.080	12.1	21.0
3 2	12 21.44	−13 25.0	2.190	3.087	9.3	20.9
3 12	12 14.37	−13 10.6	2.140	3.093	6.3	20.7
3 22	12 6.43	−12 41.8	2.118	3.099	3.9	20.5
4 1	11 58.46	−12 2.1	2.124	3.105	4.2	20.6
4 11	11 51.27	−11 16.6	2.158	3.112	6.8	20.7
4 21	11 45.52	−10 30.9	2.219	3.118	9.8	20.9
5 1	11 41.66	− 9 49.9	2.303	3.124	12.5	21.1

350435 2012 VO_{91} 3 22.2 175.°30 1.°7/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.48	+ 3 29.4	2.606	3.474	9.0	21.6
3 2	12 20.18	+ 4 16.1	2.538	3.476	6.2	21.4
3 12	12 13.64	+ 5 7.0	2.497	3.477	3.2	21.2
3 22	12 6.43	+ 5 57.4	2.487	3.478	1.9	21.1
4 1	11 59.20	+ 6 42.8	2.506	3.479	4.4	21.3
4 11	11 52.64	+ 7 19.1	2.554	3.479	7.4	21.5
4 21	11 47.27	+ 7 43.7	2.628	3.479	10.1	21.7
5 1	11 43.50	+ 7 55.2	2.723	3.479	12.4	21.8

189046 2000 QR_{30} 3 22.2 241.°86 0.°8/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.85	− 0 8.3	2.304	3.164	10.4	21.1
3 2	12 22.80	+ 0 28.9	2.212	3.146	7.2	20.8
3 12	12 15.13	+ 1 14.3	2.147	3.127	3.7	20.6
3 22	12 6.46	+ 2 3.4	2.112	3.108	0.9	20.3
4 1	11 57.60	+ 2 51.2	2.107	3.088	4.3	20.5
4 11	11 49.40	+ 3 32.3	2.130	3.067	8.0	20.7
4 21	11 42.59	+ 4 3.0	2.180	3.045	11.4	20.9
5 1	11 37.68	+ 4 20.5	2.251	3.023	14.3	21.1

54061 2000 GX_{134} 3 22.2 314.°22 4.°8/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.84	+ 6 55.7	1.198	2.095	15.1	18.9
3 2	12 23.79	+ 7 59.0	1.131	2.081	10.6	18.6
3 12	12 15.99	+ 9 8.1	1.086	2.067	6.2	18.3
3 22	12 6.48	+10 12.3	1.066	2.053	5.2	18.2
4 1	11 56.73	+11 0.6	1.070	2.040	9.3	18.4
4 11	11 48.33	+11 24.9	1.096	2.027	14.3	18.6
4 21	11 42.44	+11 22.1	1.142	2.016	18.9	18.9
5 1	11 39.76	+10 52.7	1.204	2.004	22.7	19.1

120325 2004 MH_{7} 3 22.2 173.°33 2.°9/18.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.90	+ 5 29.8	2.255	3.129	10.0	20.6
3 2	12 21.32	+ 6 49.8	2.192	3.133	6.8	20.4
3 12	12 14.29	+ 8 13.8	2.157	3.135	3.9	20.2
3 22	12 6.46	+ 9 35.1	2.152	3.137	3.2	20.2
4 1	11 58.62	+10 46.9	2.176	3.139	5.9	20.3
4 11	11 51.57	+11 44.1	2.228	3.139	9.0	20.5
4 21	11 45.94	+12 23.7	2.305	3.140	12.0	20.7
5 1	11 42.14	+12 44.9	2.403	3.139	14.4	20.9

96076 6825 *P–L* 3 22.2 244.°82 1.°5/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.68	+ 0 53.0	1.752	2.620	12.7	20.7
3 2	12 25.21	+ 1 35.1	1.665	2.603	8.9	20.4
3 12	12 16.55	+ 2 27.0	1.604	2.585	4.5	20.1
3 22	12 6.51	+ 3 22.9	1.571	2.566	1.6	19.8
4 1	11 56.18	+ 4 15.4	1.566	2.546	5.6	20.1
4 11	11 46.76	+ 4 57.7	1.589	2.526	10.2	20.3
4 21	11 39.21	+ 5 25.0	1.636	2.505	14.3	20.5
5 1	11 34.20	+ 5 34.7	1.702	2.483	17.8	20.7

382619 2002 PB_{31} 3 22.2 284.°17 5.°9/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.33	−17 51.4	2.060	2.855	13.9	20.9
3 2	12 23.50	−18 23.1	1.958	2.834	11.3	20.7
3 12	12 15.67	−18 35.5	1.879	2.813	8.5	20.5
3 22	12 6.49	−18 27.7	1.826	2.791	6.3	20.3
4 1	11 56.93	−18 1.0	1.800	2.770	6.2	20.3
4 11	11 48.04	−17 20.2	1.802	2.748	8.5	20.4
4 21	11 40.74	−16 31.7	1.828	2.727	11.6	20.5
5 1	11 35.72	−15 42.7	1.877	2.705	14.7	20.7

521030 2015 CL_{70} 3 22.2 124.°68 0.°2/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.82	− 4 18.5	2.010	2.869	11.7	21.1
3 2	12 20.71	− 3 29.7	1.942	2.873	8.2	20.9
3 12	12 14.02	− 2 28.5	1.900	2.877	4.3	20.7
3 22	12 6.46	− 1 20.1	1.885	2.881	0.3	20.3
4 1	11 58.89	− 0 10.9	1.900	2.886	4.0	20.7
4 11	11 52.18	+ 0 52.5	1.942	2.889	7.9	20.9
4 21	11 47.00	+ 1 44.7	2.010	2.893	11.4	21.1
5 1	11 43.80	+ 2 22.4	2.100	2.897	14.4	21.3

20868 2000 VR_{39} 3 22.2 192.°26 0.°8/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.02	− 5 52.8	2.934	3.773	9.0	19.6
3 2	12 19.80	− 5 26.0	2.852	3.772	6.4	19.5
3 12	12 13.45	− 4 50.0	2.797	3.769	3.6	19.3
3 22	12 6.46	− 4 7.6	2.772	3.767	0.9	19.0
4 1	11 59.42	− 3 22.4	2.777	3.764	2.8	19.2
4 11	11 52.93	− 2 38.5	2.813	3.760	5.7	19.4
4 21	11 47.50	− 1 59.5	2.875	3.756	8.4	19.5
5 1	11 43.50	− 1 28.3	2.962	3.752	10.8	19.7

130689 2000 SM_{138} 3 22.2 229.°94 2.°0/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.55	− 8 44.3	1.816	2.659	13.5	19.7
3 2	12 23.63	− 8 14.5	1.729	2.648	10.0	19.4
3 12	12 15.69	− 7 26.5	1.666	2.636	5.9	19.2
3 22	12 6.50	− 6 24.0	1.631	2.624	2.2	18.9
4 1	11 57.08	− 5 13.2	1.624	2.611	4.3	19.0
4 11	11 48.55	− 4 2.0	1.645	2.598	8.6	19.2
4 21	11 41.79	− 2 57.7	1.691	2.583	12.7	19.5
5 1	11 37.42	− 2 6.3	1.758	2.569	16.2	19.6

106147 2000 TB_{51} 3 22.2 245.°35 8.°6/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.66	+31 5.7	2.637	3.472	10.1	20.0
3 2	12 25.26	+31 59.2	2.586	3.460	9.0	19.9
3 12	12 16.30	+32 37.5	2.559	3.447	8.6	19.8
3 22	12 6.51	+32 54.9	2.559	3.434	9.2	19.8
4 1	11 56.79	+32 47.9	2.585	3.421	10.6	19.9
4 11	11 47.99	+32 16.2	2.634	3.408	12.2	20.0
4 21	11 40.80	+31 21.9	2.704	3.394	13.9	20.1
5 1	11 35.63	+30 8.5	2.792	3.380	15.3	20.2

85688 1998 RN_{55} 3 22.2 200.°82 2.°0/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.75	− 8 32.0	1.742	2.585	14.0	20.0
3 2	12 24.48	− 8 2.4	1.663	2.582	10.3	19.7
3 12	12 16.12	− 7 14.6	1.608	2.578	6.0	19.5
3 22	12 6.52	− 6 12.4	1.580	2.573	2.2	19.2
4 1	11 56.76	− 5 2.6	1.580	2.568	4.4	19.3
4 11	11 48.01	− 3 53.1	1.608	2.561	8.8	19.6
4 21	11 41.16	− 2 51.5	1.662	2.554	12.9	19.8
5 1	11 36.79	− 2 3.2	1.736	2.546	16.4	20.0

268073 2004 RL_{78} 3 22.2 172.°87 2.°1/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.52	+ 4 26.1	2.313	3.182	10.0	21.2
3 2	12 22.41	+ 5 10.4	2.247	3.185	6.9	21.0
3 12	12 14.85	+ 5 58.5	2.208	3.187	3.6	20.8
3 22	12 6.49	+ 6 45.1	2.198	3.189	2.3	20.7
4 1	11 58.14	+ 7 25.4	2.219	3.191	5.0	20.9
4 11	11 50.59	+ 7 54.9	2.268	3.191	8.3	21.1
4 21	11 44.45	+ 8 11.2	2.342	3.192	11.3	21.3
5 1	11 40.17	+ 8 13.4	2.437	3.192	13.8	21.4

118892 2000 UE_{44} 3 22.2 49.°06 3.°7/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.58	+ 7 23.5	1.471	2.356	13.6	18.4
3 2	12 24.85	+ 7 57.8	1.437	2.381	9.4	18.2
3 12	12 16.13	+ 8 32.4	1.426	2.405	5.2	18.0
3 22	12 6.51	+ 9 0.4	1.442	2.431	3.9	18.0
4 1	11 57.24	+ 9 15.6	1.485	2.456	7.1	18.2
4 11	11 49.43	+ 9 14.6	1.554	2.482	11.0	18.5
4 21	11 43.83	+ 8 56.7	1.644	2.508	14.6	18.8
5 1	11 40.81	+ 8 22.9	1.754	2.534	17.4	19.1

285780 2000 VB_{61} 3 22.2 177.°61 0.°7/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.00	+ 0 16.6	2.949	3.807	8.4	21.5
3 2	12 19.76	+ 0 53.7	2.875	3.809	5.8	21.4
3 12	12 13.42	+ 1 36.3	2.830	3.810	2.9	21.2
3 22	12 6.47	+ 2 20.9	2.815	3.811	0.8	21.0
4 1	11 59.51	+ 3 3.5	2.831	3.811	3.4	21.2
4 11	11 53.12	+ 3 40.4	2.876	3.811	6.3	21.4
4 21	11 47.78	+ 4 9.0	2.948	3.811	8.8	21.6
5 1	11 43.86	+ 4 27.3	3.044	3.810	11.0	21.7

488561 2001 UR_{231} 3 22.2 188.°71 1.°9/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.42	+ 1 56.0	1.793	2.663	12.4	22.8
3 2	12 24.81	+ 2 48.5	1.724	2.662	8.5	22.6
3 12	12 16.23	+ 3 48.9	1.681	2.661	4.4	22.3
3 22	12 6.53	+ 4 50.7	1.666	2.659	2.0	22.2
4 1	11 56.77	+ 5 46.5	1.680	2.656	5.7	22.4
4 11	11 48.05	+ 6 30.1	1.721	2.653	9.9	22.6
4 21	11 41.19	+ 6 57.5	1.786	2.649	13.6	22.9
5 1	11 36.72	+ 7 7.0	1.872	2.644	16.7	23.1

48920 1998 OE_{11} 3 22.2 261.°19 0.°7/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.65	− 1 38.9	1.776	2.642	12.6	20.6
3 2	12 23.06	− 0 53.8	1.688	2.625	8.9	20.3
3 12	12 15.43	+ 0 3.9	1.626	2.607	4.6	20.0
3 22	12 6.52	+ 1 8.6	1.592	2.588	0.7	19.7
4 1	11 57.35	+ 2 13.1	1.586	2.569	5.0	20.0
4 11	11 49.03	+ 3 9.7	1.607	2.550	9.6	20.2
4 21	11 42.48	+ 3 52.7	1.652	2.530	13.7	20.4
5 1	11 38.31	+ 4 18.6	1.717	2.510	17.2	20.6

267698 2002 XW_{43} 3 22.2 135.°68 2.°4/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.87	−10 3.7	2.087	2.917	12.5	20.9
3 2	12 23.47	− 9 45.0	2.021	2.931	9.3	20.7
3 12	12 15.44	− 9 10.8	1.979	2.943	5.7	20.5
3 22	12 6.53	− 8 24.2	1.965	2.956	2.6	20.3
4 1	11 57.65	− 7 30.0	1.981	2.967	3.8	20.4
4 11	11 49.71	− 6 34.6	2.026	2.978	7.3	20.6
4 21	11 43.38	− 5 43.6	2.097	2.988	10.6	20.9
5 1	11 39.13	− 5 1.6	2.190	2.998	13.5	21.1

380918 2006 FM_{20} 3 22.2 283.°62 3.°8/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.06	+ 9 26.5	1.957	2.835	11.1	20.8
3 2	12 23.74	+ 9 59.5	1.890	2.830	7.8	20.6
3 12	12 15.64	+10 31.8	1.849	2.825	4.7	20.4
3 22	12 6.54	+10 57.7	1.837	2.820	4.1	20.3
4 1	11 57.41	+11 12.0	1.852	2.815	6.7	20.5
4 11	11 49.24	+11 11.2	1.895	2.810	10.1	20.7
4 21	11 42.78	+10 54.1	1.961	2.805	13.3	20.9
5 1	11 38.52	+10 21.3	2.047	2.800	16.1	21.1

289714 2005 JJ_2 3 22.2 3.°91 0.°4/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.59	− 3 49.0	1.220	2.101	16.1	20.4
3 2	12 22.04	− 3 19.8	1.159	2.100	11.4	20.1
3 12	12 15.00	− 2 33.2	1.120	2.100	6.1	19.8
3 22	12 6.53	− 1 35.7	1.105	2.101	0.5	19.4
4 1	11 57.99	− 0 36.2	1.115	2.103	5.5	19.8
4 11	11 50.80	+ 0 15.5	1.148	2.106	10.9	20.1
4 21	11 45.97	+ 0 52.3	1.203	2.109	15.7	20.4
5 1	11 44.09	+ 1 10.1	1.277	2.113	19.7	20.6

310308 2011 UH_{112} 3 22.2 272.°55 2.°0/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.98	+ 1 41.1	1.438	2.318	14.2	21.2
3 2	12 25.05	+ 2 21.8	1.359	2.301	9.9	20.9
3 12	12 16.61	+ 3 12.8	1.303	2.285	5.1	20.6
3 22	12 6.56	+ 4 7.2	1.274	2.268	2.1	20.3
4 1	11 56.21	+ 4 56.4	1.271	2.251	6.5	20.6
4 11	11 46.96	+ 5 32.7	1.293	2.234	11.6	20.8
4 21	11 39.92	+ 5 50.8	1.338	2.217	16.3	21.0
5 1	11 35.80	+ 5 48.7	1.401	2.200	20.1	21.2

32364 2000 QS_{137} 3 22.2 290.°56 1.°0/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.59	+ 0 54.4	2.172	3.040	10.6	18.7
3 2	12 21.27	+ 1 22.1	2.090	3.027	7.3	18.4
3 12	12 14.36	+ 1 56.7	2.035	3.015	3.7	18.2
3 22	12 6.52	+ 2 33.7	2.008	3.003	1.1	18.0
4 1	11 58.56	+ 3 8.4	2.010	2.991	4.4	18.2
4 11	11 51.33	+ 3 35.9	2.040	2.979	8.1	18.4
4 21	11 45.51	+ 3 52.8	2.095	2.968	11.5	18.6
5 1	11 41.62	+ 3 57.0	2.172	2.956	14.3	18.7

197016 2003 UY_{104} 3 22.2 67.°90 0.°2/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.09	− 3 5.1	1.959	2.820	11.9	20.1
3 2	12 21.66	− 2 36.9	1.889	2.821	8.3	19.9
3 12	12 14.56	− 1 57.8	1.845	2.823	4.4	19.7
3 22	12 6.52	− 1 12.4	1.828	2.825	0.2	19.3
4 1	11 58.45	− 0 26.2	1.841	2.827	4.1	19.7
4 11	11 51.27	+ 0 14.9	1.881	2.828	8.1	19.9
4 21	11 45.67	+ 0 46.6	1.945	2.830	11.7	20.1
5 1	11 42.16	+ 1 5.6	2.032	2.832	14.7	20.3

151799 2003 FN_{56} 3 22.2 263.°88 0.°3/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.74	− 2 44.8	1.864	2.724	12.4	20.2
3 2	12 23.72	− 2 30.4	1.780	2.712	8.8	19.9
3 12	12 15.73	− 2 5.3	1.722	2.699	4.7	19.6
3 22	12 6.55	− 1 33.2	1.691	2.687	0.4	19.3
4 1	11 57.17	− 0 59.3	1.688	2.674	4.4	19.6
4 11	11 48.66	− 0 29.4	1.713	2.661	8.7	19.8
4 21	11 41.87	− 0 8.0	1.763	2.648	12.6	20.0
5 1	11 37.40	+ 0 1.4	1.834	2.635	16.0	20.2

493157 2014 TG_{71} 3 22.2 57.°68 2.°2/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.67	−10 42.8	1.531	2.381	15.2	21.0
3 2	12 20.90	− 9 43.4	1.476	2.397	11.1	20.7
3 12	12 14.22	− 8 21.6	1.444	2.414	6.6	20.5
3 22	12 6.53	− 6 43.8	1.438	2.431	2.5	20.3
4 1	11 58.94	− 4 59.5	1.459	2.448	4.4	20.5
4 11	11 52.54	− 3 19.5	1.507	2.465	8.8	20.7
4 21	11 48.08	− 1 52.3	1.579	2.482	12.8	21.0
5 1	11 46.01	− 0 43.7	1.673	2.500	16.2	21.3

217069 2001 SQ_{107} 3 22.2 178.°88 2.°4/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.88	−10 37.0	2.347	3.170	11.5	20.6
3 2	12 22.75	−10 20.6	2.266	3.172	8.6	20.4
3 12	12 15.08	− 9 49.6	2.211	3.173	5.4	20.2
3 22	12 6.55	− 9 6.5	2.185	3.174	2.7	20.0
4 1	11 57.95	− 8 15.4	2.189	3.174	3.6	20.1
4 11	11 50.11	− 7 21.9	2.222	3.173	6.8	20.2
4 21	11 43.68	− 6 31.2	2.282	3.172	9.9	20.4
5 1	11 39.13	− 5 47.9	2.365	3.170	12.7	20.6

506368 2017 QS_{24} 3 22.2 94.°93 2.°1/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 24.28	+ 3 0.8	2.239	3.114	10.0	20.9
3 2	12 19.53	+ 4 7.9	2.178	3.119	6.8	20.7
3 12	12 13.39	+ 5 20.6	2.143	3.124	3.5	20.5
3 22	12 6.52	+ 6 32.8	2.137	3.129	2.3	20.4
4 1	11 59.66	+ 7 38.5	2.161	3.133	5.1	20.6
4 11	11 53.56	+ 8 32.2	2.212	3.138	8.4	20.8
4 21	11 48.80	+ 9 10.8	2.289	3.143	11.3	21.0
5 1	11 45.79	+ 9 32.7	2.386	3.147	13.8	21.2

106979 2000 YV_{94} 3 22.2 132.°08 2.°0/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.66	+ 2 8.1	1.867	2.736	12.0	20.2
3 2	12 24.08	+ 3 7.0	1.813	2.751	8.2	20.0
3 12	12 15.77	+ 4 12.5	1.785	2.766	4.2	19.7
3 22	12 6.58	+ 5 17.8	1.787	2.780	2.1	19.6
4 1	11 57.49	+ 6 16.0	1.817	2.793	5.5	19.9
4 11	11 49.48	+ 7 1.3	1.875	2.805	9.3	20.1
4 21	11 43.26	+ 7 30.4	1.958	2.817	12.7	20.4
5 1	11 39.27	+ 7 42.3	2.061	2.828	15.6	20.6

141094 2001 XL_{45} 3 22.2 101.°01 0.°5/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.30	− 3 24.8	2.377	3.229	10.4	20.3
3 2	12 21.55	− 3 11.2	2.310	3.237	7.3	20.1
3 12	12 14.42	− 2 49.0	2.269	3.245	3.9	19.9
3 22	12 6.55	− 2 21.3	2.257	3.253	0.5	19.6
4 1	11 58.69	− 1 52.3	2.275	3.261	3.4	19.9
4 11	11 51.60	− 1 25.9	2.322	3.269	6.8	20.1
4 21	11 45.86	− 1 5.8	2.395	3.277	9.9	20.3
5 1	11 41.88	− 0 54.4	2.491	3.285	12.5	20.5

202743 2007 MB_{12} 3 22.2 147.°86 0.°4/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.69	− 4 12.2	2.269	3.121	10.8	20.9
3 2	12 21.19	− 3 37.6	2.199	3.127	7.6	20.7
3 12	12 14.27	− 2 52.7	2.156	3.132	4.1	20.5
3 22	12 6.55	− 2 1.3	2.141	3.137	0.5	20.2
4 1	11 58.83	− 1 8.6	2.156	3.142	3.6	20.5
4 11	11 51.88	− 0 20.0	2.200	3.146	7.2	20.7
4 21	11 46.33	+ 0 20.3	2.270	3.151	10.4	20.9
5 1	11 42.60	+ 0 49.2	2.362	3.155	13.1	21.1

106190 2000 UH_{12} 3 22.2 209.°33 0.°6/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.19	− 0 52.9	2.085	2.947	11.2	20.8
3 2	12 22.40	− 0 17.2	2.009	2.943	7.8	20.6
3 12	12 14.96	+ 0 27.3	1.960	2.939	4.0	20.4
3 22	12 6.57	+ 1 16.0	1.939	2.935	0.6	20.1
4 1	11 58.10	+ 2 3.3	1.947	2.930	4.3	20.4
4 11	11 50.45	+ 2 43.7	1.984	2.925	8.2	20.6
4 21	11 44.33	+ 3 13.2	2.045	2.919	11.7	20.8
5 1	11 40.22	+ 3 29.2	2.129	2.913	14.6	21.0

437736 2014 EC_{10} 3 22.2 42.°75 3.°7/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.29	−14 22.4	2.249	3.063	12.3	20.6
3 2	12 20.32	−14 15.6	2.171	3.066	9.5	20.4
3 12	12 13.86	−13 51.4	2.118	3.069	6.5	20.3
3 22	12 6.55	−13 11.8	2.092	3.072	4.1	20.1
4 1	11 59.18	−12 20.6	2.094	3.075	4.2	20.1
4 11	11 52.57	−11 23.4	2.124	3.079	6.8	20.3
4 21	11 47.35	−10 26.3	2.180	3.082	9.8	20.5
5 1	11 43.99	− 9 34.5	2.260	3.086	12.5	20.7

85116 4342 $T\text{-}_3$ 3 22.2 146.°93 1.°6/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.79	+ 0 49.0	1.842	2.714	12.0	19.7
3 2	12 22.20	+ 1 49.3	1.779	2.719	8.2	19.5
3 12	12 14.86	+ 2 58.2	1.742	2.723	4.1	19.3
3 22	12 6.57	+ 4 9.2	1.733	2.728	1.7	19.1
4 1	11 58.28	+ 5 14.9	1.753	2.732	5.3	19.3
4 11	11 50.97	+ 6 8.6	1.800	2.735	9.3	19.6
4 21	11 45.37	+ 6 46.4	1.872	2.739	12.9	19.8
5 1	11 41.94	+ 7 6.2	1.963	2.742	15.8	20.0

46000 2001 BO_{79} 3 22.2 237.°39 2.°9/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.16	+ 3 35.2	1.725	2.604	12.3	19.5
3 2	12 22.67	+ 4 48.9	1.653	2.595	8.5	19.2
3 12	12 15.21	+ 6 10.6	1.606	2.586	4.5	19.0
3 22	12 6.58	+ 7 32.5	1.587	2.577	3.1	18.9
4 1	11 57.81	+ 8 45.7	1.595	2.567	6.6	19.1
4 11	11 50.01	+ 9 42.8	1.631	2.557	10.8	19.3
4 21	11 44.02	+10 19.7	1.689	2.546	14.6	19.5
5 1	11 40.40	+10 34.8	1.767	2.535	17.7	19.7

271150 2003 SL_{169} 3 22.2 215.°91 1.°5/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.50	+ 2 53.4	2.509	3.373	9.5	20.9
3 2	12 22.41	+ 3 27.6	2.429	3.365	6.6	20.7
3 12	12 14.91	+ 4 6.4	2.376	3.356	3.4	20.4
3 22	12 6.58	+ 4 45.7	2.353	3.346	1.6	20.3
4 1	11 58.16	+ 5 21.0	2.360	3.336	4.4	20.5
4 11	11 50.42	+ 5 48.2	2.396	3.325	7.6	20.7
4 21	11 43.96	+ 6 4.6	2.459	3.314	10.6	20.8
5 1	11 39.25	+ 6 8.6	2.543	3.302	13.1	21.0

298921 2004 TM_{126} 3 22.2 122.°55 3.°6/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.03	+ 6 32.1	1.581	2.460	13.2	20.8
3 2	12 25.98	+ 7 20.9	1.530	2.471	9.1	20.6
3 12	12 16.83	+ 8 12.1	1.504	2.483	5.1	20.4
3 22	12 6.61	+ 8 58.1	1.506	2.494	3.8	20.3
4 1	11 56.53	+ 9 31.7	1.535	2.504	7.1	20.5
4 11	11 47.78	+ 9 48.3	1.590	2.514	11.1	20.8
4 21	11 41.18	+ 9 46.1	1.669	2.524	14.8	21.0
5 1	11 37.19	+ 9 25.6	1.766	2.533	17.8	21.3

435315 2007 UH_{102} 3 22.2 149.°77 2.°1/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.37	−10 21.7	2.429	3.258	11.0	21.4
3 2	12 20.25	− 9 55.2	2.353	3.262	8.2	21.2
3 12	12 13.78	− 9 14.5	2.302	3.266	5.0	21.0
3 22	12 6.56	− 8 22.7	2.280	3.270	2.4	20.8
4 1	11 59.31	− 7 24.1	2.287	3.274	3.3	20.9
4 11	11 52.77	− 6 24.2	2.324	3.277	6.4	21.1
4 21	11 47.51	− 5 28.3	2.387	3.281	9.4	21.3
5 1	11 43.96	− 4 40.5	2.474	3.284	12.1	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
278758	2008 SC_{122}		3 22.2	208.°60	0.°8/23.1	17
	h m	° ′			°	m
2 21	12 26.62	− 5 48.2	2.193	3.042	11.3	21.4
3 2	12 21.27	− 5 14.1	2.114	3.039	8.1	21.2
3 12	12 14.37	− 4 27.4	2.060	3.035	4.5	21.0
3 22	12 6.59	− 3 32.2	2.035	3.031	1.0	20.7
4 1	11 58.72	− 2 33.7	2.040	3.026	3.6	20.9
4 11	11 51.60	− 1 37.7	2.072	3.022	7.3	21.1
4 21	11 45.91	− 0 49.5	2.131	3.017	10.7	21.3
5 1	11 42.11	− 0 12.7	2.213	3.012	13.7	21.5
142117	2002 RY_5		3 22.2	268.°37	0.°3/22.4	17
2 21	12 29.17	− 3 43.9	1.697	2.559	13.3	20.4
3 2	12 23.55	− 3 11.9	1.609	2.541	9.5	20.1
3 12	12 15.77	− 2 25.5	1.545	2.523	5.1	19.8
3 22	12 6.62	− 1 29.4	1.508	2.504	0.4	19.4
4 1	11 57.17	− 0 30.5	1.499	2.485	4.8	19.7
4 11	11 48.60	+ 0 23.7	1.516	2.466	9.5	19.9
4 21	11 41.88	+ 1 6.8	1.558	2.446	13.9	20.1
5 1	11 37.66	+ 1 34.2	1.620	2.426	17.6	20.3
259110	2002 WT_{18}		3 22.2	30.°82	0.°7/21.7	18 R
2 21	12 29.84	− 0 18.3	1.297	2.179	15.3	20.1
3 2	12 24.08	− 0 3.5	1.246	2.189	10.6	19.9
3 12	12 15.98	+ 0 22.0	1.218	2.200	5.4	19.6
3 22	12 6.63	+ 0 52.0	1.215	2.211	0.7	19.3
4 1	11 57.39	+ 1 19.6	1.238	2.224	5.6	19.7
4 11	11 49.60	+ 1 38.2	1.285	2.237	10.6	20.0
4 21	11 44.16	+ 1 43.7	1.355	2.251	15.0	20.3
5 1	11 41.57	+ 1 33.9	1.443	2.265	18.6	20.5
38406	1999 RS_{203}		3 22.2	185.°84	4.°9/27.9	18
2 21	12 27.32	−18 48.6	2.607	3.386	11.8	19.3
3 2	12 21.66	−19 8.7	2.521	3.386	9.5	19.2
3 12	12 14.56	−19 12.0	2.460	3.386	7.2	19.0
3 22	12 6.60	−18 58.7	2.425	3.385	5.3	18.9
4 1	11 58.53	−18 30.9	2.419	3.385	5.1	18.9
4 11	11 51.11	−17 52.5	2.441	3.384	6.7	19.0
4 21	11 44.96	−17 8.6	2.490	3.384	9.1	19.1
5 1	11 40.56	−16 24.5	2.562	3.383	11.4	19.3
161648	2006 BH_{87}		3 22.2	269.°35	11.°1/ 8.8	17
2 21	12 27.78	+22 29.8	1.477	2.363	13.5	20.0
3 2	12 22.86	+25 21.7	1.428	2.348	11.5	19.8
3 12	12 15.50	+28 2.4	1.405	2.334	11.2	19.8
3 22	12 6.62	+30 16.3	1.406	2.319	12.7	19.8
4 1	11 57.54	+31 51.5	1.432	2.304	15.5	19.9
4 11	11 49.65	+32 43.2	1.477	2.288	18.4	20.1
4 21	11 44.00	+32 53.0	1.539	2.273	21.1	20.3
5 1	11 41.23	+32 26.1	1.612	2.257	23.4	20.4
280749	2005 OL_1		3 22.2	116.°88	1.°0/20.8	17
2 21	12 24.36	+ 0 4.3	2.541	3.405	9.4	20.9
3 2	12 19.45	+ 1 1.5	2.480	3.416	6.4	20.7
3 12	12 13.34	+ 2 5.2	2.446	3.426	3.2	20.5
3 22	12 6.60	+ 3 10.8	2.442	3.437	1.1	20.4
4 1	11 59.88	+ 4 13.0	2.468	3.447	3.9	20.6
4 11	11 53.86	+ 5 7.1	2.523	3.457	7.1	20.8
4 21	11 49.04	+ 5 49.6	2.604	3.467	9.8	21.0
5 1	11 45.79	+ 6 18.7	2.708	3.476	12.2	21.2
505965	2015 FF_{291}		3 22.2	287.°53	5.°2/16.6	17
2 21	12 27.38	+12 30.8	1.991	2.874	10.7	20.9
3 2	12 21.99	+13 35.1	1.919	2.858	7.8	20.6
3 12	12 14.83	+14 37.9	1.873	2.842	5.5	20.5
3 22	12 6.63	+15 31.8	1.855	2.826	5.6	20.4
4 1	11 58.30	+16 10.3	1.864	2.809	8.1	20.6
4 11	11 50.82	+16 28.9	1.899	2.793	11.3	20.7
4 21	11 44.93	+16 26.3	1.956	2.777	14.3	20.9
5 1	11 41.17	+16 3.1	2.032	2.761	16.9	21.0
196573	2003 QR_{34}		3 22.2	137.°23	1.°8/20.2	17
2 21	12 26.63	+ 2 1.7	2.070	2.941	10.8	20.2
3 2	12 21.26	+ 2 58.8	2.007	2.947	7.4	20.0
3 12	12 14.36	+ 4 2.4	1.971	2.952	3.8	19.8
3 22	12 6.62	+ 5 6.8	1.964	2.957	1.9	19.7
4 1	11 58.89	+ 6 5.3	1.986	2.962	5.1	19.9
4 11	11 52.03	+ 6 52.7	2.035	2.966	8.6	20.1
4 21	11 46.66	+ 7 25.4	2.109	2.971	11.9	20.3
5 1	11 43.25	+ 7 41.8	2.204	2.975	14.6	20.5
278788	2008 SF_{191}		3 22.2	99.°42	2.°0/24.3	18
2 21	12 26.86	− 8 47.2	1.948	2.792	12.7	20.2
3 2	12 21.57	− 8 24.6	1.876	2.795	9.3	20.0
3 12	12 14.58	− 7 46.2	1.829	2.798	5.6	19.8
3 22	12 6.63	− 6 55.5	1.808	2.801	2.2	19.6
4 1	11 58.63	− 5 58.1	1.816	2.804	3.9	19.7
4 11	11 51.53	− 5 0.5	1.852	2.807	7.6	19.9
4 21	11 46.03	− 4 8.7	1.913	2.810	11.2	20.1
5 1	11 42.62	− 3 27.5	1.997	2.813	14.3	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
501194	2013 TM_{116}		3 22.2	151.°96	2.°8/25.2	17
	h m	° ′			°	m
2 21	12 27.30	−11 24.9	2.058	2.887	12.7	21.4
3 2	12 21.82	−11 7.5	1.983	2.890	9.5	21.2
3 12	12 14.70	−10 33.1	1.932	2.893	6.1	21.0
3 22	12 6.63	− 9 44.5	1.908	2.896	3.1	20.8
4 1	11 58.51	− 8 46.5	1.913	2.899	4.0	20.9
4 11	11 51.24	− 7 45.6	1.946	2.901	7.3	21.1
4 21	11 45.52	− 6 47.9	2.005	2.904	10.7	21.3
5 1	11 41.83	− 5 58.9	2.087	2.906	13.7	21.5
175616	2006 WV_{33}		3 22.2	277.°96	1.°2/20.7	17
2 21	12 25.07	+ 1 0.7	2.298	3.167	10.0	21.0
3 2	12 20.18	+ 1 46.1	2.215	3.153	6.9	20.7
3 12	12 13.83	+ 2 38.8	2.158	3.139	3.5	20.5
3 22	12 6.61	+ 3 34.2	2.130	3.125	1.3	20.3
4 1	11 59.27	+ 4 26.6	2.132	3.111	4.4	20.5
4 11	11 52.60	+ 5 11.0	2.161	3.097	8.0	20.7
4 21	11 47.22	+ 5 43.5	2.216	3.083	11.2	20.9
5 1	11 43.62	+ 6 1.8	2.292	3.068	13.9	21.0
195184	2002 CP_{267}		3 22.2	286.°97	5.°5/15.6	18
2 21	12 26.15	+10 44.6	1.884	2.770	11.0	19.9
3 2	12 21.35	+12 34.9	1.799	2.740	8.0	19.6
3 12	12 14.62	+14 29.3	1.741	2.710	5.7	19.4
3 22	12 6.63	+16 18.0	1.711	2.680	6.2	19.4
4 1	11 58.34	+17 51.1	1.709	2.649	9.1	19.5
4 11	11 50.77	+19 0.9	1.733	2.618	12.6	19.6
4 21	11 44.82	+19 43.8	1.778	2.587	16.0	19.8
5 1	11 41.11	+19 59.4	1.841	2.556	18.8	19.9
111854	2002 EN_{65}		3 22.2	268.°19	1.°0/23.1	17
2 21	12 29.64	− 5 43.6	1.678	2.534	13.8	20.3
3 2	12 23.97	− 5 14.5	1.584	2.513	10.0	20.0
3 12	12 16.06	− 4 28.8	1.515	2.491	5.6	19.7
3 22	12 6.67	− 3 30.3	1.472	2.468	1.2	19.4
4 1	11 56.90	− 2 25.8	1.458	2.445	4.7	19.6
4 11	11 47.99	− 1 23.5	1.470	2.422	9.5	19.8
4 21	11 40.95	− 0 30.6	1.506	2.398	14.0	20.0
5 1	11 36.48	+ 0 7.3	1.563	2.374	17.9	20.2
178205	2006 VZ_{15}		3 22.2	240.°89	1.°1/23.4	18
2 21	12 25.33	− 6 7.3	2.354	3.201	10.7	20.6
3 2	12 20.29	− 5 43.2	2.277	3.200	7.7	20.4
3 12	12 13.86	− 5 7.7	2.225	3.198	4.3	20.1
3 22	12 6.62	− 4 24.2	2.202	3.197	1.2	19.9
4 1	11 59.33	− 3 37.0	2.208	3.195	3.3	20.1
4 11	11 52.73	− 2 51.3	2.243	3.194	6.8	20.3
4 21	11 47.44	− 2 11.6	2.304	3.192	9.9	20.5
5 1	11 43.89	− 1 41.2	2.387	3.191	12.7	20.7
57682	2001 UO_{48}		3 22.2	119.°77	8.°2/14.1	18
2 21	12 31.90	+21 29.4	1.855	2.728	11.9	18.2
3 2	12 25.04	+22 40.9	1.816	2.736	9.5	18.1
3 12	12 16.32	+23 40.1	1.803	2.744	8.2	18.0
3 22	12 6.67	+24 19.2	1.815	2.751	8.8	18.1
4 1	11 57.21	+24 32.8	1.854	2.759	10.8	18.2
4 11	11 48.97	+24 19.6	1.917	2.766	13.3	18.4
4 21	11 42.70	+23 41.7	2.000	2.773	15.7	18.6
5 1	11 38.81	+22 42.9	2.100	2.780	17.7	18.8
42158	2001 BT_{70}		3 22.2	101.°28	0.°1/22.0	18 R
2 21	12 26.98	− 3 16.1	1.999	2.859	11.7	19.3
3 2	12 21.50	− 2 24.9	1.942	2.874	8.2	19.1
3 12	12 14.47	− 1 22.8	1.910	2.889	4.2	18.9
3 22	12 6.64	− 0 15.2	1.907	2.903	0.1	18.6
4 1	11 58.88	+ 0 51.4	1.933	2.917	4.1	18.9
4 11	11 52.05	+ 1 50.6	1.986	2.931	8.0	19.2
4 21	11 46.78	+ 2 37.7	2.066	2.945	11.3	19.4
5 1	11 43.51	+ 3 10.1	2.166	2.958	14.2	19.6
116369	2003 YS_{106}		3 22.2	167.°98	4.°1/18.5	18
2 21	12 29.21	+ 7 29.9	1.616	2.501	12.6	19.6
3 2	12 23.43	+ 8 33.6	1.558	2.502	8.8	19.3
3 12	12 15.61	+ 9 39.9	1.524	2.502	5.2	19.1
3 22	12 6.66	+10 40.5	1.517	2.502	4.5	19.1
4 1	11 57.72	+11 27.4	1.538	2.502	7.6	19.3
4 11	11 49.91	+11 55.1	1.584	2.502	11.5	19.5
4 21	11 44.07	+12 1.5	1.652	2.503	15.1	19.7
5 1	11 40.72	+11 46.8	1.738	2.503	18.1	19.9
37854	1998 EY_{11}		3 22.2	278.°27	1.°8/20.9	18
2 21	12 32.45	+ 2 37.2	1.588	2.462	13.4	18.3
3 2	12 26.02	+ 3 0.3	1.501	2.441	9.4	18.0
3 12	12 17.15	+ 3 30.8	1.439	2.419	4.9	17.7
3 22	12 6.70	+ 4 2.9	1.403	2.398	1.9	17.5
4 1	11 55.89	+ 4 30.1	1.395	2.375	6.1	17.7
4 11	11 46.05	+ 4 46.1	1.413	2.353	11.0	17.9
4 21	11 38.26	+ 4 47.0	1.455	2.330	15.4	18.1
5 1	11 33.26	+ 4 31.0	1.515	2.308	19.2	18.3

364697 2007 US_{49} 3 22.2 121.°33 4.°5/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.13	+ 8 52.3	1.635	2.517	12.6	21.0
3 2	12 24.65	+ 9 55.4	1.584	2.526	8.8	20.8
3 12	12 16.19	+10 58.9	1.560	2.535	5.4	20.6
3 22	12 6.68	+11 54.3	1.562	2.544	4.9	20.6
4 1	11 57.29	+12 34.3	1.592	2.552	7.8	20.8
4 11	11 49.13	+12 54.4	1.647	2.560	11.5	21.0
4 21	11 42.99	+12 53.3	1.725	2.568	14.9	21.3
5 1	11 39.35	+12 32.0	1.821	2.575	17.7	21.5

285963 2001 RD_{87} 3 22.2 233.°20 1.°0/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.53	− 5 33.2	2.518	3.360	10.2	20.9
3 2	12 21.81	− 5 20.7	2.430	3.351	7.4	20.7
3 12	12 14.66	− 4 58.3	2.368	3.341	4.1	20.5
3 22	12 6.66	− 4 28.5	2.335	3.330	1.2	20.2
4 1	11 58.53	− 3 55.1	2.333	3.320	3.3	20.4
4 11	11 51.04	− 3 22.2	2.360	3.309	6.6	20.6
4 21	11 44.80	− 2 54.0	2.413	3.297	9.7	20.7
5 1	11 40.27	− 2 33.4	2.490	3.286	12.4	20.9

381444 2008 QV_{32} 3 22.2 240.°47 1.°3/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.80	− 8 37.3	2.250	3.089	11.4	21.4
3 2	12 20.77	− 7 42.4	2.157	3.075	8.3	21.2
3 12	12 14.18	− 6 31.1	2.090	3.060	4.8	20.9
3 22	12 6.65	− 5 7.6	2.051	3.046	1.5	20.7
4 1	11 58.96	− 3 37.9	2.043	3.030	3.5	20.8
4 11	11 51.95	− 2 9.5	2.064	3.015	7.3	21.0
4 21	11 46.30	− 0 48.9	2.112	2.998	10.8	21.2
5 1	11 42.50	+ 0 18.8	2.182	2.982	13.8	21.4

330361 2006 VN_{140} 3 22.2 273.°06 9.°6/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.98	+23 12.5	1.673	2.547	12.9	20.4
3 2	12 25.42	+24 32.8	1.624	2.540	10.6	20.2
3 12	12 16.66	+25 39.3	1.598	2.534	9.6	20.2
3 22	12 6.70	+26 22.3	1.598	2.527	10.3	20.2
4 1	11 56.78	+26 35.2	1.623	2.520	12.5	20.3
4 11	11 48.14	+26 16.3	1.669	2.513	15.2	20.5
4 21	11 41.66	+25 28.2	1.736	2.507	17.8	20.6
5 1	11 37.85	+24 15.5	1.818	2.500	20.0	20.8

97071 1999 VO_{27} 3 22.2 99.°15 1.°0/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.54	+ 1 0.0	1.988	2.855	11.5	19.0
3 2	12 23.29	+ 1 26.3	1.930	2.867	7.9	18.8
3 12	12 15.41	+ 1 59.0	1.899	2.879	4.0	18.6
3 22	12 6.68	+ 2 33.5	1.895	2.890	1.1	18.4
4 1	11 58.02	+ 3 4.6	1.920	2.902	4.6	18.6
4 11	11 50.34	+ 3 27.7	1.974	2.913	8.4	18.9
4 21	11 44.31	+ 3 39.8	2.052	2.924	11.7	19.1
5 1	11 40.37	+ 3 39.2	2.152	2.935	14.5	19.3

499123 2009 KZ_2 3 22.2 323.°72 7.°4/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.19	+13 48.1	1.174	2.070	15.4	20.1
3 2	12 26.48	+14 26.7	1.099	2.043	11.5	19.8
3 12	12 17.65	+14 59.8	1.045	2.017	8.1	19.5
3 22	12 6.74	+15 16.7	1.014	1.991	7.9	19.4
4 1	11 55.37	+15 7.7	1.007	1.967	11.4	19.5
4 11	11 45.35	+14 28.3	1.022	1.943	16.1	19.7
4 21	11 38.07	+13 19.4	1.056	1.921	20.7	19.9
5 1	11 34.35	+11 45.0	1.105	1.900	24.6	20.1

305921 2009 FP_{62} 3 22.2 292.°17 2.°6/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.05	+ 6 28.4	2.205	3.080	10.2	20.9
3 2	12 22.28	+ 6 56.4	2.130	3.070	7.1	20.7
3 12	12 14.93	+ 7 26.4	2.082	3.061	3.9	20.5
3 22	12 6.68	+ 7 53.6	2.062	3.051	2.8	20.4
4 1	11 58.35	+ 8 13.2	2.072	3.042	5.4	20.5
4 11	11 50.80	+ 8 21.7	2.109	3.033	8.8	20.7
4 21	11 44.70	+ 8 17.0	2.170	3.024	11.9	20.9
5 1	11 40.53	+ 7 58.5	2.253	3.015	14.5	21.1

34431 2000 SZ_{33} 3 22.2 142.°30 1.°7/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.25	+ 4 18.8	2.728	3.594	8.8	20.5
3 2	12 21.39	+ 4 48.6	2.666	3.602	6.0	20.3
3 12	12 14.34	+ 5 21.1	2.631	3.610	3.1	20.1
3 22	12 6.67	+ 5 52.5	2.626	3.618	1.8	20.0
4 1	11 59.02	+ 6 19.0	2.652	3.626	4.2	20.2
4 11	11 52.07	+ 6 37.4	2.707	3.633	7.0	20.4
4 21	11 46.30	+ 6 45.9	2.788	3.639	9.6	20.6
5 1	11 42.10	+ 6 43.3	2.891	3.646	11.8	20.7

52539 1996 TB_{41} 3 22.2 195.°16 1.°0/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 24.57	− 0 23.6	2.451	3.315	9.7	19.8
3 2	12 19.72	+ 0 39.2	2.377	3.313	6.7	19.6
3 12	12 13.55	+ 1 50.2	2.331	3.311	3.3	19.4
3 22	12 6.66	+ 3 4.1	2.314	3.309	1.1	19.2
4 1	11 59.72	+ 4 15.3	2.327	3.307	4.1	19.4
4 11	11 53.44	+ 5 18.3	2.370	3.304	7.4	19.6
4 21	11 48.39	+ 6 9.0	2.438	3.301	10.4	19.8
5 1	11 44.99	+ 6 45.1	2.528	3.298	12.9	20.0

404079 2012 DL_{88} 3 22.2 17.°67 0.°3/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 23.40	− 3 18.7	2.523	3.380	9.7	20.7
3 2	12 18.85	− 2 56.1	2.454	3.384	6.8	20.5
3 12	12 13.08	− 2 25.1	2.412	3.389	3.6	20.3
3 22	12 6.65	− 1 49.2	2.398	3.394	0.4	20.0
4 1	12 0.21	− 1 12.3	2.413	3.400	3.2	20.3
4 11	11 54.42	− 0 38.7	2.457	3.405	6.4	20.5
4 21	11 49.81	− 0 11.7	2.527	3.412	9.3	20.7
5 1	11 46.76	+ 0 6.0	2.620	3.418	11.8	20.9

89730 2001 YK_{137} 3 22.2 193.°56 2.°0/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.60	+ 3 1.4	1.871	2.739	12.0	20.1
3 2	12 25.64	+ 3 42.8	1.800	2.737	8.3	19.8
3 12	12 16.74	+ 4 30.3	1.755	2.735	4.3	19.6
3 22	12 6.73	+ 5 18.0	1.738	2.732	2.2	19.4
4 1	11 56.65	+ 5 59.5	1.751	2.727	5.6	19.6
4 11	11 47.57	+ 6 29.4	1.792	2.722	9.7	19.9
4 21	11 40.32	+ 6 44.4	1.857	2.717	13.3	20.1
5 1	11 35.42	+ 6 43.3	1.942	2.710	16.4	20.3

310907 2003 SK_{45} 3 22.2 128.°08 1.°0/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.13	+ 0 12.0	1.907	2.770	12.1	21.2
3 2	12 25.11	+ 0 49.1	1.852	2.786	8.3	21.0
3 12	12 16.36	+ 1 33.8	1.823	2.802	4.2	20.8
3 22	12 6.72	+ 2 20.9	1.822	2.818	1.1	20.6
4 1	11 57.20	+ 3 4.2	1.851	2.832	4.7	20.9
4 11	11 48.77	+ 3 38.7	1.908	2.846	8.7	21.2
4 21	11 42.14	+ 4 0.7	1.991	2.859	12.2	21.4
5 1	11 37.75	+ 4 8.6	2.094	2.872	15.0	21.6

274782 2008 VS_{50} 3 22.2 225.°21 2.°1/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.32	−10 35.3	2.380	3.207	11.2	22.1
3 2	12 21.06	−10 2.3	2.289	3.198	8.4	21.9
3 12	12 14.31	− 9 13.8	2.224	3.188	5.2	21.7
3 22	12 6.68	− 8 12.7	2.187	3.177	2.4	21.5
4 1	11 58.92	− 7 3.8	2.179	3.166	3.5	21.5
4 11	11 51.81	− 5 53.0	2.201	3.154	6.7	21.7
4 21	11 46.01	− 4 46.3	2.250	3.142	10.0	21.9
5 1	11 42.01	− 3 48.6	2.322	3.130	12.8	22.1

257235 2009 DO_{124} 3 22.2 260.°32 1.°6/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.59	+ 0 45.0	1.704	2.576	12.8	21.3
3 2	12 23.83	+ 1 33.7	1.620	2.559	8.9	21.0
3 12	12 15.95	+ 2 32.9	1.561	2.542	4.6	20.7
3 22	12 6.72	+ 3 36.4	1.529	2.524	1.7	20.4
4 1	11 57.23	+ 4 36.4	1.525	2.505	5.7	20.7
4 11	11 48.65	+ 5 25.5	1.548	2.486	10.3	20.9
4 21	11 41.91	+ 5 58.5	1.595	2.467	14.4	21.1
5 1	11 37.67	+ 6 12.8	1.661	2.448	18.0	21.3

283618 2002 CB_{138} 3 22.2 131.°10 6.°8/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.02	−32 16.5	3.423	4.084	11.3	21.4
3 2	12 22.64	−32 42.5	3.345	4.102	9.9	21.3
3 12	12 15.02	−32 49.4	3.289	4.120	8.5	21.2
3 22	12 6.71	−32 36.7	3.258	4.137	7.3	21.2
4 1	11 58.37	−32 5.2	3.253	4.153	6.8	21.2
4 11	11 50.64	−31 18.3	3.276	4.168	7.1	21.2
4 21	11 44.08	−30 20.2	3.326	4.183	8.0	21.3
5 1	11 39.07	−29 16.4	3.400	4.198	9.3	21.4

385904 2006 SW_{375} 3 22.2 17.°09 3.°0/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.13	+ 6 26.1	1.996	2.877	10.8	20.5
3 2	12 20.99	+ 7 13.9	1.936	2.879	7.4	20.3
3 12	12 14.27	+ 8 4.2	1.902	2.881	4.2	20.1
3 22	12 6.70	+ 8 50.9	1.896	2.884	3.3	20.0
4 1	11 59.13	+ 9 28.3	1.918	2.887	6.0	20.2
4 11	11 52.46	+ 9 51.9	1.967	2.890	9.4	20.4
4 21	11 47.32	+ 9 59.6	2.040	2.893	12.5	20.6
5 1	11 44.18	+ 9 50.8	2.132	2.897	15.2	20.8

171825 2001 FQ_{63} 3 22.2 81.°26 1.°6/20.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.60	+ 0 52.9	1.507	2.384	13.9	20.1
3 2	12 24.33	+ 1 42.1	1.461	2.402	9.5	19.9
3 12	12 16.05	+ 2 40.0	1.439	2.420	4.8	19.6
3 22	12 6.74	+ 3 39.3	1.443	2.438	1.7	19.5
4 1	11 57.61	+ 4 32.0	1.475	2.456	5.8	19.8
4 11	11 49.82	+ 5 11.5	1.533	2.474	10.2	20.1
4 21	11 44.14	+ 5 34.2	1.614	2.491	14.1	20.3
5 1	11 41.00	+ 5 38.8	1.715	2.508	17.2	20.6

80043 1999 JS_{39} 3 22.2 314.°36 4.°3/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.28	+11 27.8	2.120	2.999	10.3	18.8
3 2	12 22.45	+12 9.9	2.057	2.996	7.4	18.6
3 12	12 15.02	+12 49.9	2.021	2.992	4.9	18.4
3 22	12 6.72	+13 22.1	2.012	2.989	4.6	18.4
4 1	11 58.41	+13 41.4	2.032	2.986	7.0	18.5
4 11	11 50.98	+13 44.6	2.079	2.983	10.0	18.7
4 21	11 45.10	+13 30.8	2.149	2.980	12.8	18.9
5 1	11 41.21	+13 0.7	2.239	2.977	15.3	19.1

463821 2014 TW_{41} 3 22.2 112.°45 0.°2/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.05	− 2 56.2	1.835	2.693	12.7	21.8
3 2	12 24.46	− 2 32.2	1.777	2.708	8.9	21.6
3 12	12 16.07	− 1 57.5	1.745	2.722	4.7	21.4
3 22	12 6.75	− 1 16.8	1.740	2.736	0.3	21.1
4 1	11 57.51	− 0 35.7	1.764	2.750	4.3	21.4
4 11	11 49.35	+ 0 0.0	1.816	2.763	8.4	21.7
4 21	11 43.02	+ 0 26.0	1.893	2.776	12.0	21.9
5 1	11 38.96	+ 0 39.5	1.992	2.788	15.0	22.2

126142 2001 YK_{129} 3 22.2 204.°01 6.°6/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.78	+16 51.0	1.963	2.841	11.0	19.6
3 2	12 23.61	+18 3.2	1.909	2.839	8.4	19.5
3 12	12 15.66	+19 8.9	1.880	2.837	6.7	19.3
3 22	12 6.74	+20 0.3	1.879	2.834	7.1	19.4
4 1	11 57.84	+20 31.3	1.905	2.831	9.3	19.5
4 11	11 49.94	+20 38.9	1.957	2.827	12.1	19.6
4 21	11 43.78	+20 23.2	2.029	2.824	14.8	19.8
5 1	11 39.84	+19 46.5	2.120	2.820	17.0	20.0

156546 2002 DN_{14} 3 22.2 284.°46 0.°7/21.5 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.00	− 1 8.6	1.821	2.690	12.2	20.5
3 2	12 21.80	− 0 25.0	1.749	2.686	8.5	20.2
3 12	12 14.79	+ 0 29.1	1.702	2.683	4.3	20.0
3 22	12 6.73	+ 1 28.3	1.683	2.679	0.8	19.7
4 1	11 58.59	+ 2 25.7	1.692	2.675	4.8	20.0
4 11	11 51.36	+ 3 14.7	1.727	2.671	9.0	20.2
4 21	11 45.82	+ 3 50.5	1.788	2.667	12.8	20.4
5 1	11 42.48	+ 4 10.2	1.868	2.664	15.9	20.7

67629 2000 SK_{193} 3 22.2 254.°18 1.°1/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.87	− 4 42.8	2.304	3.151	10.9	19.6
3 2	12 22.82	− 4 44.4	2.224	3.147	7.8	19.4
3 12	12 15.23	− 4 36.7	2.170	3.144	4.4	19.2
3 22	12 6.74	− 4 22.0	2.145	3.140	1.2	18.9
4 1	11 58.16	− 4 3.7	2.150	3.137	3.5	19.1
4 11	11 50.32	− 3 45.9	2.184	3.133	7.0	19.3
4 21	11 43.88	− 3 32.3	2.243	3.130	10.3	19.5
5 1	11 39.32	− 3 25.8	2.326	3.126	13.0	19.7

115016 2003 QQ_{87} 3 22.2 80.°71 0.°3/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.67	− 4 32.4	1.480	2.346	14.7	19.8
3 2	12 23.75	− 3 45.1	1.430	2.364	10.3	19.6
3 12	12 15.78	− 2 42.5	1.404	2.382	5.4	19.4
3 22	12 6.75	− 1 31.4	1.404	2.400	0.4	19.0
4 1	11 57.88	− 0 20.4	1.432	2.418	4.9	19.4
4 11	11 50.32	+ 0 42.0	1.485	2.436	9.6	19.7
4 21	11 44.87	+ 1 29.8	1.563	2.454	13.6	20.0
5 1	11 41.99	+ 1 59.8	1.660	2.471	17.0	20.3

329324 2000 UB_{73} 3 22.2 210.°74 4.°0/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.20	−16 31.1	2.326	3.124	12.4	20.9
3 2	12 21.74	−16 12.8	2.235	3.118	9.8	20.8
3 12	12 14.70	−15 35.3	2.168	3.111	6.9	20.6
3 22	12 6.74	−14 39.9	2.128	3.104	4.5	20.4
4 1	11 58.64	−13 30.8	2.118	3.097	4.5	20.4
4 11	11 51.25	−12 14.2	2.136	3.089	6.9	20.5
4 21	11 45.25	−10 56.7	2.181	3.080	10.0	20.7
5 1	11 41.15	− 9 44.8	2.250	3.071	12.8	20.9

403016 2007 WY_{7} 3 22.2 150.°22 0.°4/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.44	− 4 1.6	2.078	2.927	11.8	22.5
3 2	12 24.62	− 3 29.8	2.013	2.939	8.3	22.3
3 12	12 16.14	− 2 47.0	1.974	2.950	4.4	22.1
3 22	12 6.78	− 1 57.6	1.963	2.959	0.5	21.8
4 1	11 57.45	− 1 7.0	1.983	2.969	3.9	22.1
4 11	11 49.06	− 0 20.9	2.032	2.977	7.8	22.4
4 21	11 42.33	+ 0 16.1	2.107	2.984	11.2	22.6
5 1	11 37.69	+ 0 41.1	2.204	2.991	14.1	22.8

435134 2007 FT_{35} 3 22.2 293.°35 0.°7/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 23.75	−10 24.7	0.999	1.876	19.2	20.8
3 2	12 20.59	− 7 21.8	0.927	1.867	13.7	20.5
3 12	12 14.57	− 3 29.1	0.877	1.858	7.0	20.1
3 22	12 6.74	+ 0 56.0	0.853	1.850	0.8	19.6
4 1	11 58.66	+ 5 24.6	0.857	1.841	7.9	20.1
4 11	11 52.02	+ 9 26.2	0.886	1.833	14.8	20.4
4 21	11 48.05	+12 40.5	0.937	1.825	20.8	20.7
5 1	11 47.45	+14 59.8	1.004	1.817	25.5	21.0

182098 2000 KO_{31} 3 22.2 295.°78 4.°1/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.23	−13 4.1	1.659	2.493	15.0	19.8
3 2	12 22.39	−12 58.0	1.562	2.470	11.6	19.5
3 12	12 15.32	−12 29.4	1.487	2.446	7.8	19.3
3 22	12 6.76	−11 39.6	1.437	2.423	4.5	19.0
4 1	11 57.80	−10 33.2	1.414	2.399	5.2	19.0
4 11	11 49.65	− 9 18.4	1.417	2.376	9.1	19.1
4 21	11 43.34	− 8 4.1	1.444	2.353	13.4	19.3
5 1	11 39.62	− 6 58.8	1.492	2.330	17.3	19.5

163502 2002 SA_{46} 3 22.2 145.°16 1.°4/20.4 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.35	+ 2 6.6	2.623	3.488	9.1	21.1
3 2	12 20.84	+ 2 54.6	2.561	3.497	6.2	20.9
3 12	12 14.11	+ 3 47.3	2.527	3.507	3.2	20.8
3 22	12 6.74	+ 4 40.5	2.522	3.516	1.5	20.6
4 1	11 59.40	+ 5 29.3	2.548	3.524	4.1	20.8
4 11	11 52.74	+ 6 9.7	2.603	3.532	7.1	21.0
4 21	11 47.30	+ 6 38.9	2.684	3.540	9.8	21.2
5 1	11 43.45	+ 6 55.4	2.788	3.547	12.1	21.4

195514 2002 HG_{14} 3 22.2 275.°89 2.°1/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.77	− 6 54.4	1.947	2.790	12.7	19.8
3 2	12 24.51	− 7 4.9	1.857	2.776	9.4	19.6
3 12	12 16.28	− 7 2.8	1.791	2.761	5.6	19.3
3 22	12 6.80	− 6 50.0	1.753	2.746	2.3	19.1
4 1	11 57.05	− 6 30.1	1.744	2.731	4.1	19.2
4 11	11 48.09	− 6 7.9	1.763	2.716	8.1	19.4
4 21	11 40.80	− 5 48.5	1.807	2.701	12.0	19.6
5 1	11 35.80	− 5 36.1	1.873	2.685	15.3	19.8

363087 2000 RU_{102} 3 22.2 127.°56 4.°2/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.65	−16 46.3	2.152	2.952	13.2	21.0
3 2	12 22.03	−16 26.7	2.080	2.964	10.3	20.8
3 12	12 14.83	−15 46.7	2.032	2.976	7.2	20.6
3 22	12 6.76	−14 48.4	2.011	2.987	4.7	20.5
4 1	11 58.70	−13 36.7	2.019	2.998	4.6	20.5
4 11	11 51.51	−12 18.4	2.055	3.008	7.1	20.7
4 21	11 45.87	−11 0.6	2.118	3.018	10.1	20.9
5 1	11 42.21	− 9 49.7	2.204	3.028	12.9	21.1

316290 2010 RD_{9} 3 22.2 212.°59 1.°5/20.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.66	+ 0 56.4	1.939	2.806	11.7	21.4
3 2	12 23.61	+ 1 49.7	1.862	2.800	8.1	21.2
3 12	12 15.74	+ 2 51.9	1.812	2.792	4.1	20.9
3 22	12 6.79	+ 3 56.8	1.790	2.785	1.6	20.7
4 1	11 57.72	+ 4 57.6	1.798	2.776	5.2	20.9
4 11	11 49.53	+ 5 47.9	1.833	2.767	9.2	21.1
4 21	11 43.00	+ 6 23.4	1.893	2.757	12.9	21.3
5 1	11 38.67	+ 6 41.8	1.973	2.746	15.9	21.5

306288 2011 SM_{28} 3 22.2 243.°15 3.°7/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.65	−11 49.7	1.849	2.671	14.2	21.3
3 2	12 26.76	−11 53.8	1.748	2.652	10.9	21.0
3 12	12 17.57	−11 39.3	1.672	2.631	7.1	20.7
3 22	12 6.84	−11 7.1	1.623	2.609	4.0	20.5
4 1	11 55.66	−10 21.0	1.603	2.587	4.9	20.5
4 11	11 45.28	− 9 27.4	1.611	2.563	8.8	20.7
4 21	11 36.73	− 8 33.8	1.644	2.538	12.9	20.9
5 1	11 30.74	− 7 47.1	1.700	2.513	16.6	21.0

289795 2005 JF_{122} 3 22.2 230.°60 6.°3/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.13	+21 20.7	2.753	3.621	8.6	21.5
3 2	12 20.82	+22 48.6	2.694	3.609	7.0	21.4
3 12	12 14.17	+24 9.4	2.663	3.596	6.3	21.3
3 22	12 6.76	+25 16.9	2.660	3.583	7.0	21.3
4 1	11 59.28	+26 6.2	2.685	3.570	8.6	21.4
4 11	11 52.43	+26 34.5	2.735	3.556	10.6	21.5
4 21	11 46.80	+26 41.6	2.807	3.541	12.5	21.6
5 1	11 42.80	+26 28.9	2.897	3.527	14.1	21.7

302000 2000 QD_{163} 3 22.2 171.°86 3.°1/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.75	−11 41.1	1.882	2.709	13.8	21.3
3 2	12 24.41	−11 22.8	1.806	2.713	10.4	21.1
3 12	12 16.17	−10 45.6	1.754	2.716	6.6	20.9
3 22	12 6.82	− 9 52.2	1.730	2.718	3.4	20.7
4 1	11 57.39	− 8 48.1	1.734	2.720	4.3	20.8
4 11	11 48.94	− 7 40.8	1.767	2.721	8.0	21.0
4 21	11 42.27	− 6 37.3	1.825	2.721	11.7	21.2
5 1	11 37.92	− 5 43.8	1.905	2.721	14.9	21.4

96905 1999 TT_{95} 3 22.2 172.°53 2.°2/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.19	+ 4 15.7	2.173	3.044	10.4	19.8
3 2	12 22.37	+ 5 2.0	2.107	3.046	7.2	19.6
3 12	12 15.01	+ 5 52.4	2.068	3.048	3.8	19.4
3 22	12 6.80	+ 6 41.6	2.058	3.049	2.4	19.3
4 1	11 58.59	+ 7 24.0	2.077	3.050	5.2	19.4
4 11	11 51.20	+ 7 55.2	2.125	3.051	8.6	19.6
4 21	11 45.30	+ 8 12.3	2.197	3.051	11.7	19.8
5 1	11 41.32	+ 8 14.4	2.290	3.051	14.3	20.0

74613 1999 RP_{19} 3 22.2 226.°59 0.°5/21.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.28	− 2 9.1	1.890	2.752	12.2	20.4
3 2	12 23.44	− 1 19.6	1.808	2.742	8.6	20.2
3 12	12 15.70	− 0 17.9	1.752	2.731	4.4	19.9
3 22	12 6.82	+ 0 50.4	1.724	2.720	0.5	19.6
4 1	11 57.77	+ 1 58.3	1.725	2.708	4.7	19.9
4 11	11 49.58	+ 2 58.7	1.754	2.696	9.0	20.1
4 21	11 43.07	+ 3 46.0	1.807	2.683	12.9	20.3
5 1	11 38.80	+ 4 16.8	1.882	2.669	16.1	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
287190	2002 SL_4		3 22.2	185.°55	13.°7/30.5	18 R
	h m	° ′			°	m
2 21	12 39.89	−28 7.8	1.329	2.083	22.1	20.8
3 2	12 32.15	−29 59.0	1.256	2.084	19.4	20.6
3 12	12 20.81	−31 16.6	1.201	2.084	16.6	20.4
3 22	12 6.96	−31 51.8	1.166	2.083	14.4	20.2
4 1	11 52.45	−31 41.4	1.154	2.082	13.7	20.2
4 11	11 39.36	−30 50.9	1.164	2.081	14.9	20.3
4 21	11 29.38	−29 33.1	1.194	2.079	17.4	20.4
5 1	11 23.45	−28 3.3	1.243	2.076	20.3	20.6
403828	2011 UU_{185}		3 22.2	171.°54	2.°3/20.1	18
2 21	12 29.29	+ 1 38.1	1.619	2.496	13.1	21.8
3 2	12 23.54	+ 2 49.8	1.556	2.498	9.0	21.6
3 12	12 15.76	+ 4 11.2	1.518	2.500	4.6	21.3
3 22	12 6.83	+ 5 34.0	1.508	2.501	2.5	21.2
4 1	11 57.89	+ 6 49.2	1.526	2.502	6.3	21.4
4 11	11 50.04	+ 7 49.1	1.570	2.503	10.6	21.6
4 21	11 44.14	+ 8 29.1	1.637	2.503	14.5	21.9
5 1	11 40.71	+ 8 47.6	1.724	2.503	17.7	22.1
58547	1997 FZ_2		3 22.3	325.°73	0.°8/23.0	17
2 21	12 25.83	− 4 26.2	1.988	2.847	11.8	19.0
3 2	12 20.97	− 4 11.8	1.904	2.834	8.5	18.7
3 12	12 14.42	− 3 45.8	1.846	2.822	4.7	18.5
3 22	12 6.83	− 3 11.7	1.814	2.810	0.9	18.2
4 1	11 59.08	− 2 34.3	1.811	2.799	3.9	18.4
4 11	11 52.09	− 1 59.0	1.835	2.788	7.9	18.6
4 21	11 46.61	− 1 30.7	1.884	2.777	11.6	18.8
5 1	11 43.18	− 1 13.1	1.955	2.767	14.7	19.0
32092	Brianxia		3 22.3	244.°67	0.°4/21.9	18
2 21	12 28.41	− 2 4.9	1.933	2.796	11.9	19.4
3 2	12 22.81	− 1 26.1	1.851	2.785	8.4	19.1
3 12	12 15.39	− 0 36.2	1.794	2.773	4.3	18.9
3 22	12 6.86	+ 0 20.1	1.765	2.762	0.4	18.5
4 1	11 58.17	+ 1 16.4	1.766	2.750	4.5	18.8
4 11	11 50.30	+ 2 6.1	1.793	2.738	8.7	19.0
4 21	11 44.05	+ 2 44.4	1.846	2.725	12.5	19.3
5 1	11 39.98	+ 3 8.0	1.920	2.712	15.7	19.4
494819	2007 TP_{39}		3 22.3	192.°61	1.°2/21.1	17
2 21	12 31.05	+ 0 25.3	2.035	2.897	11.5	22.5
3 2	12 24.51	+ 1 10.1	1.960	2.895	7.9	22.2
3 12	12 16.20	+ 2 3.3	1.913	2.892	4.0	22.0
3 22	12 6.88	+ 2 59.3	1.894	2.889	1.2	21.8
4 1	11 57.48	+ 3 52.1	1.905	2.885	4.8	22.0
4 11	11 48.97	+ 4 35.8	1.944	2.880	8.7	22.2
4 21	11 42.09	+ 5 6.6	2.009	2.874	12.2	22.4
5 1	11 37.36	+ 5 22.2	2.095	2.867	15.2	22.6
8994	Kashkashian		3 22.3	190.°75	2.°4/25.1	18
2 21	12 28.36	−10 42.4	2.615	3.434	10.6	18.4
3 2	12 22.39	−10 32.5	2.530	3.433	8.0	18.3
3 12	12 15.02	−10 9.6	2.470	3.430	5.0	18.1
3 22	12 6.85	− 9 35.7	2.440	3.428	2.6	17.9
4 1	11 58.59	− 8 54.2	2.440	3.424	3.4	17.9
4 11	11 50.98	− 8 9.7	2.469	3.421	6.2	18.1
4 21	11 44.62	− 7 26.8	2.526	3.416	9.1	18.3
5 1	11 39.95	− 6 49.5	2.607	3.411	11.7	18.5
124672	2001 SX_{106}		3 22.3	153.°00	1.°0/23.3	18
2 21	12 30.31	− 5 37.8	2.236	3.078	11.3	20.3
3 2	12 23.82	− 5 19.3	2.166	3.087	8.1	20.1
3 12	12 15.77	− 4 49.7	2.122	3.095	4.5	19.9
3 22	12 6.87	− 4 12.3	2.107	3.102	1.2	19.6
4 1	11 57.97	− 3 31.6	2.122	3.109	3.5	19.8
4 11	11 49.92	− 2 52.5	2.167	3.115	7.1	20.1
4 21	11 43.37	− 2 19.6	2.238	3.121	10.4	20.3
5 1	11 38.77	− 1 56.1	2.332	3.126	13.2	20.5
102090	1999 RP_{153}		3 22.3	139.°70	0.°6/22.9	18
2 21	12 29.13	− 6 27.1	2.091	2.936	11.9	20.8
3 2	12 23.02	− 5 27.1	2.028	2.951	8.5	20.6
3 12	12 15.35	− 4 13.2	1.990	2.965	4.6	20.4
3 22	12 6.87	− 2 50.9	1.982	2.978	0.8	20.1
4 1	11 58.44	− 1 26.9	2.005	2.991	3.8	20.3
4 11	11 50.93	− 0 8.5	2.056	3.003	7.6	20.6
4 21	11 45.00	+ 0 58.8	2.134	3.014	11.0	20.8
5 1	11 41.06	+ 1 51.1	2.235	3.024	13.8	21.0
229233	2004 XV_{64}		3 22.3	132.°31	3.°7/26.3	17
2 21	12 28.63	−14 16.9	2.236	3.045	12.5	20.6
3 2	12 22.70	−14 13.0	2.163	3.056	9.6	20.4
3 12	12 15.22	−13 51.8	2.115	3.065	6.6	20.3
3 22	12 6.87	−13 15.3	2.095	3.075	4.1	20.1
4 1	11 58.50	−12 27.1	2.103	3.084	4.3	20.1
4 11	11 50.95	−11 33.0	2.139	3.092	6.9	20.3
4 21	11 44.89	−10 38.9	2.203	3.100	9.9	20.5
5 1	11 40.79	− 9 50.0	2.289	3.108	12.6	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
62784	2000 UW_{23}		3 22.3	209.°82	4.°3/16.4	18
	h m	° ′			°	m
2 21	12 26.56	+13 56.2	2.751	3.625	8.4	19.8
3 2	12 21.04	+14 50.6	2.688	3.620	6.2	19.6
3 12	12 14.29	+15 42.0	2.652	3.615	4.5	19.5
3 22	12 6.85	+16 25.4	2.645	3.609	4.6	19.5
4 1	11 59.39	+16 56.6	2.667	3.603	6.5	19.6
4 11	11 52.58	+17 12.9	2.717	3.597	8.8	19.7
4 21	11 46.94	+17 13.2	2.791	3.591	11.0	19.9
5 1	11 42.89	+16 58.0	2.885	3.584	13.0	20.0
83724	2001 TA_{101}		3 22.3	80.°75	1.°8/20.4	18
2 21	12 28.32	+ 3 52.9	2.199	3.069	10.4	19.6
3 2	12 22.44	+ 4 18.2	2.135	3.073	7.1	19.4
3 12	12 15.07	+ 4 47.1	2.097	3.077	3.7	19.2
3 22	12 6.88	+ 5 15.3	2.088	3.081	1.9	19.1
4 1	11 58.70	+ 5 38.1	2.108	3.085	4.8	19.3
4 11	11 51.35	+ 5 51.9	2.156	3.089	8.2	19.5
4 21	11 45.48	+ 5 54.3	2.230	3.093	11.3	19.7
5 1	11 41.50	+ 5 44.2	2.325	3.096	13.9	19.9
96250	1994 PE_{25}		3 22.3	148.°92	0.°9/23.2	18
2 21	12 28.58	− 5 14.6	2.222	3.069	11.2	20.1
3 2	12 22.64	− 4 53.2	2.151	3.075	8.0	19.9
3 12	12 15.18	− 4 20.7	2.107	3.081	4.4	19.7
3 22	12 6.89	− 3 40.8	2.091	3.087	1.0	19.4
4 1	11 58.57	− 2 57.9	2.105	3.092	3.5	19.6
4 11	11 51.07	− 2 17.4	2.148	3.097	7.1	19.8
4 21	11 45.04	− 1 43.4	2.217	3.102	10.4	20.1
5 1	11 40.90	− 1 19.4	2.308	3.106	13.2	20.2
203413	2001 XD_{191}		3 22.3	106.°11	1.°8/23.9	18
2 21	12 31.89	− 8 12.9	1.622	2.469	14.7	20.7
3 2	12 25.23	− 7 40.3	1.569	2.490	10.6	20.5
3 12	12 16.58	− 6 50.1	1.539	2.510	6.1	20.3
3 22	12 6.92	− 5 47.2	1.536	2.530	2.0	20.1
4 1	11 57.40	− 4 38.9	1.561	2.549	4.3	20.3
4 11	11 49.15	− 3 33.7	1.614	2.568	8.7	20.6
4 21	11 42.96	− 2 38.1	1.692	2.586	12.6	20.9
5 1	11 39.27	− 1 56.7	1.791	2.603	15.9	21.1
458250	2010 TB_{96}		3 22.3	277.°15	1.°1/21.3	17
2 21	12 30.11	− 0 5.2	1.588	2.461	13.5	21.8
3 2	12 24.41	+ 0 31.0	1.503	2.442	9.5	21.5
3 12	12 16.41	+ 1 18.6	1.441	2.422	4.9	21.2
3 22	12 6.92	+ 2 11.8	1.407	2.402	1.2	20.9
4 1	11 57.10	+ 3 3.1	1.400	2.383	5.6	21.2
4 11	11 48.23	+ 3 44.9	1.419	2.362	10.6	21.4
4 21	11 41.33	+ 4 11.7	1.461	2.342	15.0	21.6
5 1	11 37.10	+ 4 20.5	1.522	2.322	18.8	21.8
54028	2000 GW_{104}		3 22.3	22.°68	2.°7/20.1	18
2 21	12 28.19	+ 3 24.1	1.380	2.268	14.1	18.7
3 2	12 22.97	+ 4 14.0	1.326	2.272	9.7	18.4
3 12	12 15.55	+ 5 11.0	1.295	2.277	5.1	18.2
3 22	12 6.90	+ 6 7.1	1.290	2.283	2.9	18.0
4 1	11 58.29	+ 6 53.7	1.311	2.289	6.8	18.3
4 11	11 50.97	+ 7 24.0	1.356	2.295	11.4	18.6
4 21	11 45.82	+ 7 34.6	1.423	2.302	15.5	18.8
5 1	11 43.36	+ 7 25.0	1.509	2.309	18.9	19.1
396959	2005 QW_{24}		3 22.3	175.°06	1.°6/20.7	18
2 21	12 30.98	+ 0 0.5	1.695	2.564	13.0	22.0
3 2	12 24.68	+ 1 8.8	1.629	2.567	9.0	21.7
3 12	12 16.37	+ 2 28.1	1.589	2.570	4.5	21.5
3 22	12 6.92	+ 3 50.9	1.577	2.572	1.7	21.3
4 1	11 57.44	+ 5 8.4	1.593	2.572	5.7	21.5
4 11	11 49.05	+ 6 12.7	1.637	2.572	10.1	21.8
4 21	11 42.58	+ 6 59.1	1.705	2.572	14.0	22.0
5 1	11 38.56	+ 7 25.2	1.793	2.570	17.2	22.2
197023	2003 UZ_{114}		3 22.3	105.°95	0.°6/21.6	17
2 21	12 27.55	− 0 45.0	2.059	2.924	11.2	20.6
3 2	12 21.98	− 0 9.9	1.995	2.930	7.8	20.4
3 12	12 14.86	+ 0 33.5	1.957	2.937	4.0	20.2
3 22	12 6.88	+ 1 20.4	1.948	2.944	0.7	19.9
4 1	11 58.92	+ 2 5.3	1.967	2.950	4.3	20.2
4 11	11 51.83	+ 2 42.9	2.014	2.956	8.0	20.4
4 21	11 46.26	+ 3 9.6	2.087	2.963	11.4	20.7
5 1	11 42.67	+ 3 23.1	2.181	2.969	14.2	20.9
269449	2009 SC_{253}		3 22.3	186.°46	0.°0/22.3	17
2 21	12 27.38	− 3 17.0	1.974	2.834	11.8	21.2
3 2	12 21.99	− 2 37.0	1.902	2.834	8.3	20.9
3 12	12 14.92	− 1 45.5	1.855	2.834	4.4	20.7
3 22	12 6.89	− 0 47.3	1.837	2.833	0.1	20.3
4 1	11 58.80	+ 0 11.5	1.847	2.832	4.1	20.7
4 11	11 51.58	+ 1 4.4	1.885	2.832	8.2	20.9
4 21	11 45.93	+ 1 46.6	1.948	2.831	11.8	21.1
5 1	11 42.34	+ 2 14.7	2.033	2.829	14.8	21.3

52295 Köppen 3 22.3 117.°68 2.°0/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.18	+ 1 58.6	1.887	2.758	11.8	19.4
3 2	12 23.15	+ 3 2.9	1.834	2.774	8.0	19.2
3 12	12 15.46	+ 4 14.0	1.808	2.789	4.1	19.0
3 22	12 6.91	+ 5 24.9	1.811	2.804	2.1	18.9
4 1	11 58.46	+ 6 28.6	1.842	2.818	5.4	19.1
4 11	11 51.05	+ 7 19.0	1.901	2.832	9.2	19.4
4 21	11 45.34	+ 7 52.9	1.985	2.845	12.5	19.6
5 1	11 41.77	+ 8 9.0	2.089	2.858	15.3	19.8

18174 Khachatryan 3 22.3 142.°41 1.°4/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.51	− 5 56.1	1.650	2.502	14.2	18.7
3 2	12 25.80	− 5 43.2	1.584	2.509	10.2	18.5
3 12	12 16.97	− 5 15.6	1.542	2.516	5.8	18.2
3 22	12 6.95	− 4 37.1	1.528	2.522	1.6	17.9
4 1	11 56.92	− 3 53.6	1.541	2.529	4.4	18.1
4 11	11 48.04	− 3 12.1	1.582	2.534	8.9	18.4
4 21	11 41.20	− 2 38.3	1.647	2.539	13.0	18.7
5 1	11 36.93	− 2 16.4	1.733	2.544	16.4	18.9

431537 2007 TF_{381} 3 22.3 159.°56 3.°2/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.49	+ 9 32.3	2.577	3.448	9.0	21.4
3 2	12 22.39	+10 13.5	2.517	3.453	6.3	21.3
3 12	12 14.99	+10 54.0	2.485	3.458	3.9	21.1
3 22	12 6.91	+11 29.3	2.482	3.463	3.5	21.1
4 1	11 58.86	+11 55.0	2.510	3.467	5.6	21.2
4 11	11 51.55	+12 8.3	2.565	3.471	8.2	21.4
4 21	11 45.54	+12 7.9	2.646	3.474	10.8	21.6
5 1	11 41.22	+11 53.8	2.748	3.477	12.9	21.8

32768 Alexandripatov 3 22.3 224.°14 2.°0/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.55	− 9 2.0	1.972	2.808	12.9	19.6
3 2	12 24.37	− 8 31.4	1.881	2.796	9.5	19.3
3 12	12 16.26	− 7 43.5	1.815	2.783	5.7	19.1
3 22	12 6.95	− 6 41.7	1.776	2.769	2.2	18.8
4 1	11 57.41	− 5 31.6	1.767	2.754	4.0	18.9
4 11	11 48.68	− 4 20.6	1.787	2.739	8.1	19.1
4 21	11 41.59	− 3 15.8	1.833	2.722	12.0	19.3
5 1	11 36.76	− 2 22.6	1.901	2.705	15.4	19.5

372493 2009 SO_{243} 3 22.3 215.°25 6.°1/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.39	−21 45.7	2.258	3.025	13.7	21.9
3 2	12 23.46	−21 55.7	2.164	3.017	11.3	21.7
3 12	12 15.75	−21 43.6	2.093	3.009	8.8	21.5
3 22	12 6.94	−21 9.2	2.047	3.001	6.7	21.3
4 1	11 57.92	−20 14.8	2.029	2.991	6.3	21.3
4 11	11 49.64	−19 6.0	2.039	2.982	7.9	21.4
4 21	11 42.88	−17 49.9	2.075	2.971	10.5	21.5
5 1	11 38.21	−16 34.0	2.135	2.960	13.2	21.7

504542 2008 SD_{117} 3 22.3 218.°96 1.°1/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.86	+ 1 39.7	2.319	3.180	10.3	21.7
3 2	12 23.57	+ 2 4.4	2.238	3.173	7.1	21.5
3 12	12 15.71	+ 2 34.5	2.185	3.164	3.6	21.2
3 22	12 6.94	+ 3 6.3	2.161	3.156	1.2	21.0
4 1	11 58.08	+ 3 35.1	2.167	3.147	4.3	21.3
4 11	11 49.94	+ 3 56.7	2.202	3.138	7.8	21.5
4 21	11 43.22	+ 4 8.3	2.263	3.128	11.1	21.6
5 1	11 38.39	+ 4 8.1	2.346	3.117	13.8	21.8

387378 2012 XP_{149} 3 22.3 159.°23 2.°7/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.61	−12 13.9	2.522	3.340	11.0	21.3
3 2	12 20.51	−11 54.9	2.443	3.343	8.3	21.1
3 12	12 14.08	−11 21.2	2.389	3.346	5.4	21.0
3 22	12 6.90	−10 35.2	2.363	3.349	3.0	20.8
4 1	11 59.68	− 9 40.8	2.367	3.351	3.5	20.8
4 11	11 53.12	− 8 43.3	2.399	3.353	6.2	21.0
4 21	11 47.81	− 7 47.6	2.459	3.355	9.1	21.2
5 1	11 44.15	− 6 58.3	2.543	3.357	11.6	21.4

159325 2006 CN_{14} 3 22.3 260.°34 2.°3/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.64	+ 3 0.3	2.085	2.959	10.7	20.5
3 2	12 21.52	+ 4 7.0	2.001	2.942	7.4	20.3
3 12	12 14.73	+ 5 21.4	1.944	2.924	3.9	20.0
3 22	12 6.93	+ 6 37.1	1.915	2.907	2.5	19.9
4 1	11 58.94	+ 7 47.1	1.916	2.889	5.6	20.1
4 11	11 51.67	+ 8 44.8	1.944	2.870	9.3	20.3
4 21	11 45.86	+ 9 26.2	1.997	2.851	12.7	20.4
5 1	11 42.03	+ 9 49.2	2.070	2.832	15.6	20.6

336765 2011 AA_{57} 3 22.3 274.°00 4.°7/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.59	+10 27.7	1.990	2.872	10.7	20.6
3 2	12 22.27	+11 40.8	1.913	2.853	7.7	20.3
3 12	12 15.16	+12 54.9	1.862	2.833	5.2	20.1
3 22	12 6.95	+14 2.6	1.838	2.814	5.1	20.1
4 1	11 58.56	+14 56.4	1.843	2.794	7.8	20.2
4 11	11 50.96	+15 31.2	1.874	2.774	11.1	20.4
4 21	11 44.93	+15 44.5	1.928	2.753	14.3	20.5
5 1	11 41.03	+15 36.4	2.000	2.733	17.0	20.7

426745 2013 TD_{84} 3 22.3 142.°27 0.°8/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.66	− 4 48.2	2.044	2.896	11.8	21.7
3 2	12 22.83	− 4 26.6	1.975	2.901	8.4	21.5
3 12	12 15.35	− 3 53.4	1.930	2.905	4.6	21.2
3 22	12 6.96	− 3 12.5	1.914	2.910	0.9	21.0
4 1	11 58.53	− 2 28.9	1.927	2.914	3.8	21.2
4 11	11 50.98	− 1 48.2	1.968	2.917	7.6	21.4
4 21	11 45.00	− 1 14.9	2.034	2.921	11.1	21.7
5 1	11 41.06	− 0 52.6	2.123	2.924	14.1	21.9

8969 Alexandrinus 3 22.3 96.°00 0.°3/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.60	− 2 38.9	1.546	2.415	14.0	17.8
3 2	12 23.81	− 1 55.9	1.488	2.424	9.8	17.5
3 12	12 15.95	− 0 59.6	1.453	2.433	5.1	17.3
3 22	12 6.97	+ 0 3.4	1.445	2.441	0.3	16.9
4 1	11 58.02	+ 1 5.2	1.464	2.450	5.0	17.3
4 11	11 50.27	+ 1 58.0	1.510	2.458	9.7	17.6
4 21	11 44.54	+ 2 36.5	1.579	2.466	13.7	17.8
5 1	11 41.35	+ 2 57.7	1.668	2.474	17.1	18.1

105556 2000 RU_{53} 3 22.3 205.°18 3.°5/23.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 46.19	− 4 56.6	1.179	2.032	18.6	19.8
3 2	12 36.47	− 6 8.6	1.106	2.029	13.8	19.4
3 12	12 23.03	− 7 9.0	1.056	2.027	8.3	19.1
3 22	12 7.18	− 7 56.3	1.031	2.023	3.6	18.8
4 1	11 50.90	− 8 31.0	1.034	2.020	6.6	19.0
4 11	11 36.34	− 8 57.1	1.063	2.015	12.3	19.3
4 21	11 25.09	− 9 19.8	1.116	2.011	17.5	19.6
5 1	11 17.99	− 9 45.0	1.186	2.006	21.9	19.8

364615 2007 RL_{325} 3 22.3 280.°27 0.°1/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.82	− 3 16.4	1.516	2.385	14.2	21.1
3 2	12 23.56	− 2 37.7	1.434	2.370	10.1	20.8
3 12	12 16.00	− 1 43.4	1.376	2.355	5.3	20.5
3 22	12 6.99	− 0 39.0	1.344	2.341	0.1	20.0
4 1	11 57.69	+ 0 27.3	1.339	2.326	5.2	20.4
4 11	11 49.39	+ 1 26.7	1.360	2.311	10.3	20.6
4 21	11 43.12	+ 2 12.3	1.404	2.295	14.8	20.9
5 1	11 39.54	+ 2 39.6	1.467	2.281	18.7	21.1

265766 2005 WS_{20} 3 22.3 96.°84 0.°1/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.41	− 2 15.7	1.825	2.688	12.5	21.4
3 2	12 23.44	− 1 48.2	1.764	2.697	8.8	21.2
3 12	12 15.69	− 1 10.3	1.728	2.707	4.5	20.9
3 22	12 6.98	− 0 26.9	1.720	2.716	0.1	20.6
4 1	11 58.30	+ 0 16.1	1.740	2.725	4.4	21.0
4 11	11 50.64	+ 0 52.9	1.787	2.734	8.5	21.2
4 21	11 44.74	+ 1 19.1	1.860	2.743	12.2	21.5
5 1	11 41.07	+ 1 32.2	1.953	2.752	15.2	21.7

296258 2009 DW_{32} 3 22.3 1.°30 1.°2/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.08	+ 0 28.9	2.084	2.955	10.8	20.6
3 2	12 20.32	+ 1 16.8	2.016	2.955	7.5	20.4
3 12	12 14.05	+ 2 12.6	1.974	2.955	3.8	20.2
3 22	12 6.94	+ 3 10.9	1.960	2.955	1.3	20.0
4 1	11 59.79	+ 4 5.8	1.975	2.955	4.6	20.2
4 11	11 53.43	+ 4 51.6	2.017	2.955	8.2	20.5
4 21	11 48.51	+ 5 24.6	2.084	2.956	11.5	20.7
5 1	11 45.47	+ 5 42.5	2.172	2.957	14.3	20.8

442605 2012 HY_{33} 3 22.3 235.°99 7.°0/14.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 38.19	+17 46.0	2.076	2.938	11.3	23.7
3 2	12 29.79	+19 15.4	1.994	2.915	8.8	23.5
3 12	12 19.16	+20 39.9	1.941	2.890	7.1	23.4
3 22	12 7.10	+21 50.1	1.916	2.863	7.6	23.3
4 1	11 54.72	+22 38.3	1.921	2.834	10.0	23.4
4 11	11 43.23	+22 59.8	1.953	2.803	13.0	23.6
4 21	11 33.58	+22 54.6	2.007	2.771	15.9	23.7
5 1	11 26.45	+22 25.1	2.080	2.736	18.4	23.8

165342 2000 VA_{31} 3 22.3 104.°71 0.°2/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.47	− 3 46.1	1.625	2.486	13.9	20.4
3 2	12 24.97	− 3 8.8	1.572	2.503	9.8	20.2
3 12	12 16.51	− 2 18.5	1.543	2.520	5.1	20.0
3 22	12 7.02	− 1 20.8	1.541	2.537	0.3	19.6
4 1	11 57.66	− 0 23.0	1.567	2.554	4.6	20.0
4 11	11 49.53	+ 0 27.6	1.621	2.569	9.1	20.3
4 21	11 43.42	+ 1 5.9	1.699	2.585	13.0	20.6
5 1	11 39.78	+ 1 28.7	1.797	2.600	16.2	20.8

523546 2017 VP_{9} 3 22.3 215.°89 2.°5/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.93	−10 26.6	2.506	3.331	10.8	21.9
3 2	12 21.49	−10 21.8	2.422	3.327	8.1	21.7
3 12	12 14.64	−10 4.1	2.363	3.324	5.2	21.5
3 22	12 6.97	− 9 35.3	2.332	3.320	2.7	21.3
4 1	11 59.20	− 8 58.8	2.331	3.316	3.5	21.4
4 11	11 52.08	− 8 19.0	2.359	3.312	6.3	21.6
4 21	11 46.21	− 7 40.6	2.413	3.307	9.3	21.7
5 1	11 42.06	− 7 7.6	2.491	3.303	11.9	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4783 Wasson			3 22.3	48.°30	11.°1/11.8	18
	h m	° ′			°	m
2 21	12 28.92	+22 46.0	1.329	2.218	14.5	16.7
3 2	12 23.45	+24 53.6	1.314	2.237	12.0	16.6
3 12	12 15.75	+26 41.3	1.322	2.258	11.1	16.6
3 22	12 7.00	+27 57.3	1.353	2.279	12.1	16.7
4 1	11 58.60	+28 35.0	1.407	2.300	14.3	16.9
4 11	11 51.79	+28 33.9	1.481	2.322	16.9	17.1
4 21	11 47.36	+27 58.8	1.572	2.343	19.3	17.3
5 1	11 45.65	+26 55.9	1.678	2.366	21.3	17.5
258950 2002 RU_{219}			3 22.3	216.°22	1.°4/20.8	16
2 21	12 30.02	+ 1 6.1	2.024	2.890	11.4	22.5
3 2	12 23.88	+ 1 52.5	1.946	2.882	7.9	22.3
3 12	12 15.98	+ 2 47.0	1.893	2.873	4.0	22.0
3 22	12 7.02	+ 3 44.0	1.870	2.864	1.5	21.8
4 1	11 57.92	+ 4 37.3	1.875	2.854	5.0	22.1
4 11	11 49.67	+ 5 21.1	1.909	2.844	8.9	22.3
4 21	11 43.00	+ 5 51.2	1.968	2.833	12.5	22.5
5 1	11 38.47	+ 6 5.6	2.048	2.821	15.5	22.7
257180 2008 JF_{31}			3 22.3	75.°82	8.°3/15.5	18
2 21	12 34.13	+20 14.3	1.631	2.507	13.0	19.7
3 2	12 26.77	+21 14.6	1.598	2.523	10.2	19.6
3 12	12 17.38	+22 1.9	1.590	2.539	8.5	19.5
3 22	12 7.06	+22 28.1	1.608	2.554	8.8	19.6
4 1	11 57.05	+22 28.0	1.651	2.570	10.9	19.7
4 11	11 48.51	+22 1.2	1.718	2.586	13.7	19.9
4 21	11 42.19	+21 10.4	1.806	2.601	16.3	20.1
5 1	11 38.48	+20 0.0	1.911	2.617	18.5	20.3
248022 2004 FQ_{65}			3 22.3	301.°23	0.°4/22.7	17
2 21	12 24.17	− 5 26.4	2.056	2.913	11.6	20.4
3 2	12 19.91	− 4 32.1	1.957	2.887	8.3	20.1
3 12	12 13.98	− 3 22.4	1.884	2.861	4.5	19.9
3 22	12 6.98	− 2 1.8	1.838	2.835	0.5	19.5
4 1	11 59.73	− 0 36.9	1.822	2.809	4.0	19.7
4 11	11 53.12	+ 0 44.4	1.834	2.783	8.1	19.9
4 21	11 47.91	+ 1 55.7	1.871	2.757	12.0	20.1
5 1	11 44.67	+ 2 51.9	1.929	2.732	15.2	20.3
330853 2009 PR_{15}			3 22.3	357.°20	0.°7/21.5	18
2 21	12 23.97	− 4 32.9	1.550	2.422	13.8	19.7
3 2	12 19.97	− 2 54.5	1.482	2.421	9.6	19.4
3 12	12 14.04	− 0 57.0	1.439	2.420	4.9	19.1
3 22	12 6.99	+ 1 10.5	1.423	2.419	0.8	18.8
4 1	11 59.88	+ 3 16.2	1.435	2.419	5.4	19.1
4 11	11 53.78	+ 5 8.8	1.474	2.419	10.1	19.4
4 21	11 49.51	+ 6 40.0	1.536	2.419	14.3	19.7
5 1	11 47.59	+ 7 45.6	1.618	2.420	17.7	19.9
162476 2000 NC_{21}			3 22.3	283.°79	3.°4/19.3	18
2 21	12 28.17	+ 3 19.5	1.421	2.308	13.9	19.4
3 2	12 23.25	+ 4 40.4	1.343	2.289	9.7	19.1
3 12	12 15.93	+ 6 13.1	1.289	2.270	5.2	18.8
3 22	12 7.05	+ 7 47.8	1.260	2.251	3.7	18.6
4 1	11 57.86	+ 9 13.2	1.258	2.231	7.8	18.8
4 11	11 49.70	+10 19.5	1.281	2.212	12.7	19.0
4 21	11 43.66	+11 0.7	1.325	2.193	17.1	19.2
5 1	11 40.43	+11 15.1	1.387	2.173	20.9	19.4
356388 2010 PX_{22}			3 22.3	244.°78	3.°2/26.6	18
2 21	12 24.23	−14 39.5	2.804	3.608	10.4	21.0
3 2	12 19.54	−14 27.4	2.714	3.602	8.1	20.8
3 12	12 13.62	−14 0.6	2.649	3.596	5.6	20.6
3 22	12 6.99	−13 20.9	2.612	3.590	3.5	20.5
4 1	12 0.26	−12 31.4	2.604	3.584	3.6	20.5
4 11	11 54.09	−11 36.4	2.625	3.578	5.8	20.6
4 21	11 49.01	−10 40.8	2.674	3.572	8.4	20.8
5 1	11 45.42	− 9 49.2	2.746	3.566	10.8	20.9
68373 2001 PP_{13}			3 22.3	157.°10	2.°2/20.1	18
2 21	12 30.81	+ 1 47.4	1.708	2.580	12.7	19.9
3 2	12 24.55	+ 2 59.6	1.648	2.588	8.8	19.6
3 12	12 16.34	+ 4 20.4	1.614	2.594	4.5	19.4
3 22	12 7.07	+ 5 41.9	1.607	2.600	2.4	19.3
4 1	11 57.81	+ 6 55.6	1.630	2.605	6.0	19.5
4 11	11 49.66	+ 7 54.3	1.680	2.610	10.2	19.8
4 21	11 43.42	+ 8 33.8	1.753	2.614	13.9	20.0
5 1	11 39.58	+ 8 52.8	1.846	2.617	17.0	20.2
458943 2011 UR_{337}			3 22.3	126.°42	2.°3/20.2	18
2 21	12 32.31	+ 2 55.5	1.733	2.604	12.6	22.4
3 2	12 25.47	+ 3 50.9	1.681	2.620	8.7	22.2
3 12	12 16.76	+ 4 52.3	1.655	2.635	4.5	22.0
3 22	12 7.08	+ 5 52.7	1.657	2.650	2.4	21.9
4 1	11 57.53	+ 6 44.8	1.689	2.664	5.9	22.1
4 11	11 49.17	+ 7 23.0	1.747	2.677	9.9	22.4
4 21	11 42.75	+ 7 44.2	1.829	2.690	13.4	22.6
5 1	11 38.72	+ 7 47.6	1.931	2.702	16.3	22.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
346201 2007 XF_{31}			3 22.3	160.°26	3.°1/26.1	17
	h m	° ′			°	m
2 21	12 26.49	−13 17.9	2.603	3.414	10.9	21.4
3 2	12 21.13	−13 11.0	2.523	3.417	8.4	21.3
3 12	12 14.45	−12 49.7	2.468	3.420	5.6	21.1
3 22	12 7.02	−12 15.7	2.441	3.423	3.4	20.9
4 1	11 59.52	−11 32.3	2.444	3.426	3.7	21.0
4 11	11 52.68	−10 44.2	2.475	3.428	6.1	21.1
4 21	11 47.07	− 9 56.1	2.534	3.430	8.8	21.3
5 1	11 43.10	− 9 12.6	2.616	3.432	11.3	21.5
14940 Freiligrath			3 22.3	45.°45	2.°5/19.9	18
2 21	12 27.49	+ 2 47.2	1.620	2.502	12.8	17.4
3 2	12 22.33	+ 3 51.6	1.561	2.505	8.8	17.2
3 12	12 15.22	+ 5 3.7	1.527	2.508	4.6	16.9
3 22	12 7.04	+ 6 15.8	1.519	2.511	2.7	16.8
4 1	11 58.85	+ 7 19.4	1.539	2.514	6.3	17.0
4 11	11 51.74	+ 8 7.5	1.584	2.518	10.5	17.3
4 21	11 46.51	+ 8 36.5	1.653	2.521	14.2	17.5
5 1	11 43.64	+ 8 45.0	1.741	2.525	17.4	17.7
407875 2012 BD_{92}			3 22.3	74.°57	1.°9/20.7	18
2 21	12 30.02	+ 1 10.7	1.491	2.369	13.9	21.1
3 2	12 24.08	+ 2 4.4	1.444	2.386	9.5	20.9
3 12	12 16.10	+ 3 6.8	1.421	2.402	4.8	20.7
3 22	12 7.07	+ 4 10.2	1.424	2.419	2.0	20.5
4 1	11 58.21	+ 5 6.3	1.455	2.435	5.9	20.8
4 11	11 50.64	+ 5 48.4	1.511	2.451	10.4	21.1
4 21	11 45.17	+ 6 12.6	1.591	2.468	14.2	21.4
5 1	11 42.23	+ 6 17.9	1.689	2.484	17.4	21.6
163532 2002 TR_{44}			3 22.3	104.°41	1.°0/23.5	18
2 21	12 24.98	− 7 9.3	2.147	2.995	11.5	19.7
3 2	12 20.25	− 6 20.6	2.075	2.999	8.3	19.5
3 12	12 14.04	− 5 17.6	2.029	3.002	4.6	19.3
3 22	12 7.02	− 4 5.1	2.010	3.006	1.2	19.1
4 1	11 59.97	− 2 49.1	2.021	3.009	3.5	19.3
4 11	11 53.69	− 1 36.3	2.061	3.013	7.2	19.5
4 21	11 48.81	− 0 32.4	2.126	3.016	10.6	19.7
5 1	11 45.78	+ 0 18.4	2.214	3.019	13.5	19.9
380540 2004 KQ_{10}			3 22.3	73.°33	21.°4/ 6.9	17
2 21	12 46.45	+43 47.3	1.059	1.882	22.4	20.1
3 2	12 36.51	+45 34.7	1.055	1.894	21.5	20.0
3 12	12 22.65	+46 30.9	1.066	1.905	21.5	20.1
3 22	12 7.26	+46 24.8	1.093	1.916	22.4	20.2
4 1	11 53.07	+45 15.4	1.136	1.928	23.7	20.3
4 11	11 42.22	+43 11.9	1.192	1.940	25.4	20.5
4 21	11 35.60	+40 28.5	1.261	1.951	26.9	20.7
5 1	11 33.26	+37 18.5	1.341	1.963	28.3	20.9
35838 1999 JN_{58}			3 22.3	245.°05	4.°3/18.6	18
2 21	12 31.63	+ 8 6.2	1.635	2.516	12.7	18.8
3 2	12 25.36	+ 9 4.0	1.564	2.506	8.9	18.6
3 12	12 16.89	+10 4.2	1.519	2.496	5.4	18.3
3 22	12 7.11	+10 58.9	1.501	2.485	4.6	18.3
4 1	11 57.17	+11 39.9	1.510	2.473	7.8	18.4
4 11	11 48.31	+12 1.8	1.544	2.462	11.9	18.6
4 21	11 41.46	+12 2.1	1.601	2.450	15.6	18.8
5 1	11 37.21	+11 41.3	1.677	2.438	18.8	19.0
247370 2001 XJ_{65}			3 22.3	118.°40	5.°2/27.1	18
2 21	12 32.43	−16 44.0	1.715	2.522	15.8	20.6
3 2	12 25.73	−16 41.7	1.652	2.540	12.4	20.5
3 12	12 16.99	−16 15.2	1.612	2.557	8.7	20.3
3 22	12 7.12	−15 26.3	1.597	2.573	5.7	20.1
4 1	11 57.30	−14 20.3	1.610	2.588	5.6	20.2
4 11	11 48.68	−13 5.5	1.650	2.603	8.5	20.3
4 21	11 42.08	−11 50.8	1.715	2.618	12.0	20.6
5 1	11 38.03	−10 43.7	1.802	2.631	15.1	20.8
346043 2007 TO_{440}			3 22.3	290.°69	3.°9/26.8	18
2 21	12 25.31	−15 20.5	2.152	2.964	12.8	20.5
3 2	12 20.61	−15 4.4	2.066	2.958	10.0	20.3
3 12	12 14.30	−14 28.7	2.003	2.952	6.9	20.1
3 22	12 7.05	−13 35.3	1.967	2.947	4.4	19.9
4 1	11 59.66	−12 28.6	1.959	2.941	4.4	19.9
4 11	11 53.02	−11 15.1	1.979	2.936	7.1	20.0
4 21	11 47.81	−10 1.6	2.025	2.930	10.3	20.2
5 1	11 44.53	− 8 54.6	2.095	2.925	13.3	20.4
500457 2012 TZ_{206}			3 22.3	89.°84	2.°4/19.7	17
2 21	12 27.59	+ 5 17.0	2.195	3.069	10.2	21.6
3 2	12 21.95	+ 5 59.5	2.140	3.080	7.0	21.4
3 12	12 14.88	+ 6 44.7	2.111	3.091	3.8	21.2
3 22	12 7.07	+ 7 27.4	2.112	3.101	2.6	21.2
4 1	11 59.31	+ 8 2.6	2.141	3.112	5.2	21.4
4 11	11 52.41	+ 8 26.2	2.198	3.123	8.4	21.6
4 21	11 46.97	+ 8 36.2	2.280	3.134	11.4	21.8
5 1	11 43.38	+ 8 31.9	2.383	3.144	13.8	22.0

274560 2008 SN_{273} 3 22.3 221.°72 2.°9/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.61	+ 7 18.6	2.492	3.362	9.3	21.6
3 2	12 22.67	+ 8 5.6	2.415	3.352	6.5	21.4
3 12	12 15.29	+ 8 54.4	2.365	3.342	3.8	21.2
3 22	12 7.09	+ 9 40.1	2.345	3.331	3.1	21.2
4 1	11 58.79	+10 17.7	2.355	3.319	5.4	21.3
4 11	11 51.17	+10 43.3	2.394	3.307	8.4	21.5
4 21	11 44.85	+10 54.9	2.458	3.294	11.2	21.6
5 1	11 40.27	+10 51.6	2.543	3.281	13.6	21.8

128955 2004 TE_{134} 3 22.3 237.°85 1.°2/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.57	− 1 6.7	1.701	2.570	13.0	20.0
3 2	12 23.91	− 0 4.6	1.620	2.558	9.1	19.7
3 12	12 16.16	+ 1 10.9	1.564	2.545	4.6	19.4
3 22	12 7.12	+ 2 32.7	1.536	2.531	1.3	19.1
4 1	11 57.86	+ 3 52.5	1.536	2.518	5.5	19.4
4 11	11 49.52	+ 5 1.6	1.563	2.503	10.1	19.6
4 21	11 43.03	+ 5 54.0	1.614	2.488	14.2	19.8
5 1	11 38.99	+ 6 26.3	1.685	2.473	17.7	20.0

508922 2004 EH_{116} 3 22.3 42.°12 0.°5/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 23.52	− 4 19.2	2.762	3.612	9.2	21.6
3 2	12 18.96	− 3 55.4	2.695	3.621	6.5	21.4
3 12	12 13.29	− 3 23.4	2.654	3.629	3.5	21.3
3 22	12 7.03	− 2 46.1	2.642	3.638	0.6	21.0
4 1	12 0.77	− 2 7.4	2.660	3.647	2.9	21.2
4 11	11 55.11	− 1 31.2	2.707	3.656	5.9	21.4
4 21	11 50.53	− 1 0.7	2.781	3.665	8.6	21.6
5 1	11 47.38	− 0 38.5	2.878	3.675	10.9	21.8

166611 2002 RT_{239} 3 22.3 185.°89 0.°6/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 26.51	− 1 14.3	2.338	3.198	10.2	21.5
3 2	12 21.23	− 0 29.6	2.265	3.198	7.1	21.3
3 12	12 14.55	+ 0 23.5	2.219	3.198	3.6	21.1
3 22	12 7.07	+ 1 20.5	2.201	3.197	0.6	20.9
4 1	11 59.55	+ 2 16.0	2.213	3.196	3.9	21.1
4 11	11 52.74	+ 3 4.9	2.254	3.195	7.4	21.3
4 21	11 47.26	+ 3 43.2	2.321	3.193	10.5	21.5
5 1	11 43.52	+ 4 8.6	2.410	3.191	13.2	21.7

19389 1998 DD_{14} 3 22.3 225.°76 1.°0/23.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 24.42	− 7 24.0	2.911	3.747	9.2	19.1
3 2	12 19.63	− 6 41.4	2.820	3.736	6.6	18.9
3 12	12 13.68	− 5 47.7	2.755	3.726	3.8	18.7
3 22	12 7.05	− 4 45.9	2.720	3.714	1.1	18.5
4 1	12 0.33	− 3 40.2	2.716	3.703	2.8	18.6
4 11	11 54.12	− 2 35.6	2.741	3.691	5.8	18.8
4 21	11 48.93	− 1 36.3	2.795	3.678	8.6	18.9
5 1	11 45.17	− 0 45.8	2.873	3.665	11.0	19.1

348610 2005 XG_{116} 3 22.3 116.°71 2.°0/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.07	− 7 35.9	1.501	2.352	15.4	21.2
3 2	12 26.35	− 7 21.7	1.441	2.365	11.2	21.0
3 12	12 17.38	− 6 49.7	1.405	2.377	6.5	20.7
3 22	12 7.16	− 6 3.9	1.394	2.388	2.3	20.5
4 1	11 57.00	− 5 11.2	1.412	2.400	4.7	20.7
4 11	11 48.14	− 4 19.7	1.455	2.410	9.3	20.9
4 21	11 41.50	− 3 36.2	1.523	2.421	13.5	21.2
5 1	11 37.60	− 3 5.6	1.611	2.431	17.0	21.5

209699 2005 ED_{45} 3 22.3 23.°29 0.°9/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.87	− 1 47.7	1.382	2.260	14.7	19.8
3 2	12 22.88	− 0 53.8	1.321	2.262	10.3	19.5
3 12	12 15.64	+ 0 14.6	1.283	2.265	5.2	19.3
3 22	12 7.11	+ 1 29.7	1.271	2.267	0.9	18.9
4 1	11 58.55	+ 2 41.9	1.286	2.270	5.7	19.3
4 11	11 51.23	+ 3 42.1	1.325	2.274	10.7	19.6
4 21	11 46.05	+ 4 24.2	1.387	2.277	15.1	19.8
5 1	11 43.57	+ 4 45.5	1.468	2.281	18.7	20.1

291799 2006 KL_{69} 3 22.3 308.°68 1.°2/23.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 26.66	− 7 11.1	1.379	2.245	15.6	20.4
3 2	12 22.19	− 6 23.1	1.304	2.236	11.3	20.1
3 12	12 15.38	− 5 12.8	1.251	2.227	6.4	19.8
3 22	12 7.11	− 3 46.3	1.222	2.218	1.4	19.5
4 1	11 58.62	− 2 13.1	1.220	2.209	5.0	19.7
4 11	11 51.25	− 0 44.5	1.244	2.201	10.3	19.9
4 21	11 46.00	+ 0 30.1	1.290	2.193	15.0	20.2
5 1	11 43.53	+ 1 24.4	1.355	2.186	19.1	20.4

208602 2002 CB_{208} 3 22.3 101.°60 0.°3/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.71	− 3 36.1	1.549	2.411	14.4	21.1
3 2	12 25.95	− 3 8.3	1.496	2.428	10.2	20.9
3 12	12 17.10	− 2 27.4	1.467	2.445	5.4	20.6
3 22	12 7.16	− 1 38.8	1.465	2.461	0.4	20.3
4 1	11 57.35	− 0 49.5	1.491	2.477	4.7	20.6
4 11	11 48.85	− 0 6.8	1.543	2.493	9.3	20.9
4 21	11 42.49	+ 0 24.3	1.620	2.508	13.4	21.2
5 1	11 38.73	+ 0 40.7	1.717	2.523	16.7	21.5

491240 2011 UU_{204} 3 22.3 201.°32 0.°8/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.17	− 2 3.4	2.068	2.925	11.5	22.4
3 2	12 24.00	− 0 54.9	1.988	2.920	8.0	22.2
3 12	12 16.08	+ 0 25.4	1.935	2.914	4.1	21.9
3 22	12 7.13	+ 1 51.6	1.911	2.907	0.9	21.7
4 1	11 58.07	+ 3 16.2	1.917	2.898	4.6	21.9
4 11	11 49.82	+ 4 32.0	1.953	2.889	8.6	22.1
4 21	11 43.14	+ 5 33.4	2.014	2.879	12.2	22.3
5 1	11 38.55	+ 6 17.5	2.097	2.868	15.2	22.5

154320 2002 VO_{28} 3 22.3 147.°34 1.°0/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.13	− 6 35.0	1.556	2.411	14.7	20.5
3 2	12 24.97	− 5 49.4	1.491	2.419	10.6	20.3
3 12	12 16.66	− 4 45.8	1.451	2.426	5.8	20.0
3 22	12 7.15	− 3 30.0	1.437	2.433	1.2	19.7
4 1	11 57.63	− 2 10.6	1.451	2.439	4.6	19.9
4 11	11 49.31	− 0 56.6	1.493	2.445	9.4	20.2
4 21	11 43.06	+ 0 4.6	1.558	2.450	13.6	20.5
5 1	11 39.42	+ 0 48.5	1.644	2.454	17.1	20.7

262325 2006 TN_{29} 3 22.3 177.°73 2.°6/19.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.15	+ 4 41.1	1.836	2.710	11.9	21.2
3 2	12 24.75	+ 5 23.3	1.771	2.711	8.2	21.0
3 12	12 16.47	+ 6 9.8	1.732	2.712	4.4	20.7
3 22	12 7.15	+ 6 54.4	1.721	2.712	2.8	20.6
4 1	11 57.80	+ 7 30.9	1.739	2.713	6.0	20.8
4 11	11 49.47	+ 7 54.3	1.784	2.712	9.8	21.1
4 21	11 42.93	+ 8 1.9	1.852	2.712	13.4	21.3
5 1	11 38.71	+ 7 53.0	1.941	2.711	16.3	21.5

87420 2000 QN_{95} 3 22.3 145.°96 1.°4/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.52	− 5 19.2	1.997	2.842	12.4	19.3
3 2	12 25.62	− 5 25.2	1.925	2.847	8.9	19.1
3 12	12 16.90	− 5 20.1	1.879	2.851	5.1	18.9
3 22	12 7.16	− 5 6.4	1.861	2.856	1.6	18.6
4 1	11 57.37	− 4 48.0	1.873	2.860	3.9	18.8
4 11	11 48.52	− 4 29.5	1.914	2.864	7.8	19.0
4 21	11 41.38	− 4 15.2	1.980	2.868	11.3	19.3
5 1	11 36.47	− 4 8.5	2.068	2.871	14.3	19.5

428033 2006 DF_{12} 3 22.3 342.°65 4.°2/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 24.93	+ 6 38.1	1.765	2.653	11.6	20.4
3 2	12 20.49	+ 8 20.7	1.705	2.651	8.0	20.1
3 12	12 14.28	+10 8.1	1.672	2.649	4.9	19.9
3 22	12 7.08	+11 50.9	1.666	2.648	4.7	19.9
4 1	11 59.83	+13 19.7	1.688	2.646	7.7	20.1
4 11	11 53.51	+14 27.4	1.736	2.645	11.3	20.3
4 21	11 48.85	+15 10.7	1.806	2.644	14.6	20.5
5 1	11 46.35	+15 29.3	1.894	2.643	17.3	20.7

463133 2011 WG_{50} 3 22.3 8.°83 7.°0/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.00	−17 32.3	1.343	2.167	18.4	20.1
3 2	12 23.95	−18 0.1	1.274	2.168	14.8	19.8
3 12	12 16.33	−17 59.2	1.224	2.169	10.9	19.6
3 22	12 7.15	−17 29.1	1.197	2.170	7.7	19.4
4 1	11 57.76	−16 34.2	1.195	2.172	7.4	19.4
4 11	11 49.64	−15 23.5	1.217	2.175	10.3	19.6
4 21	11 43.88	−14 8.2	1.261	2.178	14.2	19.8
5 1	11 41.14	−12 58.5	1.325	2.182	17.9	20.0

139794 2001 RJ_8 3 22.3 237.°12 2.°2/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.33	− 8 46.4	2.355	3.187	11.2	20.6
3 2	12 22.59	− 8 45.3	2.269	3.180	8.3	20.4
3 12	12 15.31	− 8 31.8	2.208	3.173	5.1	20.2
3 22	12 7.12	− 8 7.8	2.176	3.166	2.4	20.0
4 1	11 58.78	− 7 36.8	2.173	3.159	3.5	20.0
4 11	11 51.13	− 7 3.4	2.199	3.152	6.8	20.2
4 21	11 44.83	− 6 32.0	2.251	3.144	10.0	20.4
5 1	11 40.37	− 6 6.7	2.327	3.136	12.8	20.6

52007 2002 EQ_{47} 3 22.3 124.°40 1.°0/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 23.38	− 7 2.4	4.063	4.890	7.0	20.4
3 2	12 18.58	− 6 54.0	3.991	4.903	5.0	20.3
3 12	12 13.02	− 6 39.1	3.947	4.914	3.0	20.1
3 22	12 7.05	− 6 19.2	3.934	4.926	1.2	20.0
4 1	12 1.08	− 5 56.6	3.951	4.938	2.1	20.1
4 11	11 55.52	− 5 33.5	3.999	4.949	4.1	20.3
4 21	11 50.71	− 5 12.3	4.076	4.960	6.1	20.4
5 1	11 46.92	− 4 55.0	4.178	4.971	7.8	20.5

113851 2002 TL_{242} 3 22.3 119.°27 1.°4/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 24.57	− 0 27.8	2.198	3.066	10.5	19.7
3 2	12 19.93	+ 0 53.9	2.133	3.071	7.2	19.5
3 12	12 13.88	+ 2 24.8	2.096	3.077	3.6	19.3
3 22	12 7.08	+ 3 58.3	2.088	3.082	1.5	19.1
4 1	12 0.26	+ 5 27.4	2.110	3.087	4.6	19.4
4 11	11 54.21	+ 6 45.3	2.160	3.092	8.1	19.6
4 21	11 49.50	+ 7 47.7	2.235	3.097	11.3	19.8
5 1	11 46.57	+ 8 32.2	2.333	3.102	13.9	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
282635	2005 SK_{276}		3 22.3	16.°82	4.°6/18.6	18
	h m	° ′			°	m
2 21	12 28.94	+ 8 25.1	1.414	2.305	13.6	20.0
3 2	12 23.54	+ 9 17.4	1.362	2.308	9.5	19.8
3 12	12 15.93	+10 10.7	1.335	2.312	5.7	19.6
3 22	12 7.14	+10 56.2	1.332	2.317	4.9	19.6
4 1	11 58.40	+11 26.2	1.356	2.322	8.2	19.8
4 11	11 50.97	+11 35.7	1.403	2.328	12.2	20.0
4 21	11 45.69	+11 23.5	1.472	2.335	16.0	20.2
5 1	11 43.08	+10 50.6	1.559	2.342	19.1	20.5
153169	2000 TK_{36}		3 22.3	226.°81	1.°7/20.3	18
2 21	12 27.61	+ 4 1.6	2.477	3.345	9.5	20.0
3 2	12 21.95	+ 4 30.0	2.403	3.340	6.5	19.8
3 12	12 14.92	+ 5 1.9	2.356	3.336	3.4	19.6
3 22	12 7.11	+ 5 33.1	2.339	3.331	1.8	19.5
4 1	11 59.25	+ 5 59.5	2.351	3.326	4.5	19.7
4 11	11 52.08	+ 6 17.5	2.392	3.321	7.6	19.8
4 21	11 46.19	+ 6 24.6	2.458	3.316	10.5	20.0
5 1	11 42.00	+ 6 19.7	2.547	3.311	13.0	20.2
377882	2006 DL_{36}		3 22.3	23.°87	0.°9/23.0	17
2 21	12 30.42	− 3 35.7	1.680	2.541	13.5	20.3
3 2	12 24.38	− 3 38.6	1.614	2.545	9.6	20.1
3 12	12 16.34	− 3 30.2	1.573	2.549	5.3	19.9
3 22	12 7.16	− 3 13.9	1.558	2.554	1.0	19.6
4 1	11 57.94	− 2 54.4	1.571	2.559	4.3	19.8
4 11	11 49.80	− 2 37.1	1.611	2.564	8.7	20.1
4 21	11 43.56	− 2 26.4	1.675	2.570	12.7	20.3
5 1	11 39.78	− 2 25.8	1.760	2.576	16.0	20.5
237647	2001 SK_{145}		3 22.3	153.°26	0.°7/23.0	18
2 21	12 30.58	− 6 16.8	1.793	2.643	13.3	21.2
3 2	12 24.37	− 5 22.2	1.727	2.652	9.5	20.9
3 12	12 16.28	− 4 11.7	1.686	2.661	5.2	20.7
3 22	12 7.16	− 2 51.0	1.673	2.669	0.8	20.4
4 1	11 58.04	− 1 27.9	1.689	2.675	4.2	20.7
4 11	11 49.97	− 0 10.7	1.733	2.682	8.6	20.9
4 21	11 43.73	+ 0 54.3	1.802	2.687	12.4	21.2
5 1	11 39.80	+ 1 42.7	1.893	2.692	15.7	21.4
231474	2007 UX_{82}		3 22.3	311.°19	1.°2/23.3	17
2 21	12 27.60	− 5 58.7	1.337	2.207	15.7	20.6
3 2	12 23.00	− 5 31.9	1.258	2.192	11.4	20.3
3 12	12 15.89	− 4 45.3	1.200	2.177	6.4	20.0
3 22	12 7.16	− 3 43.6	1.166	2.162	1.4	19.6
4 1	11 58.10	− 2 34.9	1.159	2.148	5.2	19.8
4 11	11 50.12	− 1 29.4	1.176	2.134	10.6	20.1
4 21	11 44.36	− 0 35.7	1.215	2.121	15.6	20.3
5 1	11 41.54	+ 0 0.1	1.272	2.108	19.8	20.5
51305	2000 KL_{58}		3 22.3	143.°48	2.°5/19.1	18
2 21	12 25.55	+ 4 36.5	2.322	3.196	9.7	19.1
3 2	12 20.55	+ 5 47.2	2.261	3.202	6.7	18.9
3 12	12 14.19	+ 7 2.1	2.228	3.207	3.6	18.7
3 22	12 7.10	+ 8 15.1	2.224	3.212	2.7	18.7
4 1	12 0.02	+ 9 20.2	2.249	3.217	5.3	18.8
4 11	11 53.67	+10 12.4	2.302	3.221	8.4	19.0
4 21	11 48.64	+10 48.9	2.380	3.225	11.3	19.2
5 1	11 45.33	+11 8.4	2.480	3.229	13.7	19.4
469137	2015 FF_{76}		3 22.3	113.°80	3.°1/18.8	17
2 21	12 28.00	+ 8 26.6	2.410	3.283	9.5	21.2
3 2	12 22.17	+ 9 5.3	2.353	3.292	6.6	21.0
3 12	12 15.01	+ 9 43.9	2.324	3.299	3.9	20.9
3 22	12 7.14	+10 17.9	2.324	3.307	3.3	20.9
4 1	11 59.32	+10 42.7	2.353	3.315	5.5	21.0
4 11	11 52.29	+10 55.3	2.409	3.323	8.4	21.2
4 21	11 46.62	+10 54.3	2.491	3.330	11.0	21.4
5 1	11 42.69	+10 39.6	2.594	3.337	13.3	21.6
419859	2011 AU_{14}		3 22.3	76.°76	6.°8/27.9	17
2 21	12 32.26	−18 45.2	1.772	2.567	15.8	21.1
3 2	12 25.81	−19 29.6	1.699	2.572	12.9	20.9
3 12	12 17.17	−19 51.3	1.648	2.578	9.7	20.7
3 22	12 7.22	−19 49.2	1.621	2.583	7.3	20.5
4 1	11 57.09	−19 25.2	1.621	2.588	7.0	20.5
4 11	11 48.00	−18 45.2	1.647	2.593	9.2	20.7
4 21	11 40.89	−17 57.0	1.698	2.599	12.2	20.9
5 1	11 36.36	−17 8.4	1.771	2.604	15.2	21.1
379988	2012 TP_{308}		3 22.3	69.°18	4.°9/27.8	17
2 21	12 27.22	−17 38.2	2.211	3.007	13.1	20.3
3 2	12 21.87	−17 46.3	2.139	3.016	10.4	20.1
3 12	12 14.95	−17 35.0	2.090	3.026	7.6	20.0
3 22	12 7.15	−17 5.5	2.067	3.035	5.3	19.8
4 1	11 59.30	−16 21.1	2.071	3.045	5.1	19.8
4 11	11 52.27	−15 27.2	2.104	3.055	7.2	20.0
4 21	11 46.71	−14 30.1	2.162	3.065	9.9	20.1
5 1	11 43.09	−13 35.9	2.244	3.074	12.5	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
231796	2000 DU_{63}		3 22.3	314.°29	1.°0/23.0	16
	h m	° ′			°	m
2 21	12 26.83	− 5 33.1	1.165	2.044	16.9	20.0
3 2	12 22.79	− 5 2.0	1.084	2.023	12.3	19.6
3 12	12 15.94	− 4 8.3	1.023	2.002	6.8	19.3
3 22	12 7.19	− 2 57.2	0.986	1.982	1.2	18.8
4 1	11 57.96	− 1 38.3	0.973	1.963	5.8	19.1
4 11	11 49.88	− 0 23.7	0.983	1.944	11.9	19.3
4 21	11 44.25	+ 0 36.0	1.014	1.926	17.4	19.6
5 1	11 41.92	+ 1 14.1	1.062	1.909	22.1	19.8
424993	2009 CH_{30}		3 22.3	45.°31	3.°5/18.2	17
2 21	12 25.19	+ 7 2.4	2.062	2.944	10.4	20.9
3 2	12 20.45	+ 8 16.0	2.005	2.947	7.2	20.7
3 12	12 14.20	+ 9 32.0	1.974	2.951	4.3	20.5
3 22	12 7.13	+10 43.7	1.972	2.955	3.8	20.5
4 1	12 0.07	+11 44.2	1.998	2.960	6.4	20.7
4 11	11 53.84	+12 28.6	2.051	2.964	9.6	20.9
4 21	11 49.08	+12 54.4	2.127	2.968	12.6	21.0
5 1	11 46.20	+13 1.2	2.224	2.973	15.1	21.2
11776	Milstein		3 22.3	184.°62	0.°2/22.5	18 R
2 21	12 25.53	− 3 21.8	2.899	3.747	8.8	19.5
3 2	12 20.37	− 2 49.7	2.821	3.747	6.2	19.3
3 12	12 14.07	− 2 9.8	2.770	3.746	3.3	19.1
3 22	12 7.13	− 1 25.3	2.749	3.746	0.2	18.8
4 1	12 0.15	− 0 39.9	2.759	3.744	3.0	19.1
4 11	11 53.74	+ 0 2.2	2.799	3.743	5.9	19.3
4 21	11 48.38	+ 0 37.8	2.865	3.741	8.6	19.4
5 1	11 44.45	+ 1 4.3	2.956	3.739	10.9	19.6
500362	2012 TP_{33}		3 22.3	132.°14	0.°1/22.2	17
2 21	12 26.11	− 2 38.3	2.688	3.540	9.3	22.6
3 2	12 20.78	− 1 57.2	2.624	3.553	6.5	22.4
3 12	12 14.27	− 1 8.3	2.588	3.565	3.4	22.3
3 22	12 7.14	− 0 15.6	2.581	3.577	0.1	22.0
4 1	12 0.04	+ 0 36.7	2.604	3.588	3.2	22.3
4 11	11 53.60	+ 1 24.0	2.657	3.600	6.3	22.5
4 21	11 48.33	+ 2 3.0	2.737	3.610	9.1	22.7
5 1	11 44.60	+ 2 31.2	2.841	3.620	11.4	22.9
296950	Robertbauer		3 22.3	183.°41	2.°5/18.2	18
2 21	12 24.24	+ 5 4.8	2.865	3.736	8.2	21.2
3 2	12 19.49	+ 6 40.4	2.797	3.736	5.6	21.0
3 12	12 13.62	+ 8 20.2	2.759	3.736	3.2	20.9
3 22	12 7.12	+ 9 58.1	2.751	3.735	2.8	20.9
4 1	12 0.58	+11 28.3	2.776	3.734	5.0	21.0
4 11	11 54.59	+12 46.0	2.829	3.733	7.6	21.2
4 21	11 49.65	+13 47.9	2.909	3.731	10.1	21.3
5 1	11 46.12	+14 32.8	3.011	3.729	12.1	21.5
123807	2001 BH_{64}		3 22.3	338.°23	3.°7/18.5	18
2 21	12 22.68	+ 3 36.4	1.476	2.370	13.0	18.7
3 2	12 19.25	+ 5 16.5	1.408	2.357	9.0	18.4
3 12	12 13.80	+ 7 7.4	1.364	2.346	4.9	18.1
3 22	12 7.13	+ 8 58.6	1.347	2.335	4.1	18.1
4 1	12 0.31	+10 38.5	1.356	2.325	7.8	18.2
4 11	11 54.48	+11 57.4	1.389	2.317	12.2	18.5
4 21	11 50.51	+12 49.8	1.444	2.309	16.1	18.7
5 1	11 48.98	+13 14.2	1.517	2.301	19.5	18.9
167016	2003 QZ_{22}		3 22.3	199.°81	1.°6/23.8	17
2 21	12 30.50	− 7 37.5	1.910	2.753	13.0	20.7
3 2	12 24.38	− 7 10.1	1.830	2.750	9.5	20.4
3 12	12 16.36	− 6 27.0	1.775	2.746	5.5	20.2
3 22	12 7.22	− 5 31.9	1.747	2.741	1.8	19.9
4 1	11 57.94	− 4 30.7	1.749	2.736	4.0	20.1
4 11	11 49.55	− 3 30.3	1.778	2.731	8.1	20.3
4 21	11 42.87	− 2 37.0	1.834	2.724	12.0	20.5
5 1	11 38.45	− 1 55.7	1.911	2.717	15.2	20.7
25868	2000 JT_{6}		3 22.3	244.°87	4.°1/17.8	18
2 21	12 27.08	+ 6 55.6	1.872	2.754	11.3	18.3
3 2	12 22.01	+ 8 29.0	1.801	2.744	7.9	18.0
3 12	12 15.13	+10 7.4	1.757	2.734	4.8	17.8
3 22	12 7.18	+11 42.2	1.741	2.723	4.5	17.8
4 1	11 59.10	+13 4.5	1.754	2.712	7.4	17.9
4 11	11 51.87	+14 7.5	1.793	2.701	11.0	18.1
4 21	11 46.28	+14 47.7	1.854	2.689	14.4	18.3
5 1	11 42.86	+15 4.4	1.935	2.677	17.2	18.5
206856	2004 FO_{44}		3 22.3	327.°44	3.°1/19.4	17
2 21	12 29.24	+ 7 33.0	1.975	2.853	11.0	19.6
3 2	12 23.38	+ 8 0.4	1.906	2.846	7.7	19.4
3 12	12 15.79	+ 8 28.7	1.863	2.840	4.4	19.2
3 22	12 7.20	+ 8 52.8	1.847	2.835	3.3	19.1
4 1	11 58.56	+ 9 7.5	1.860	2.829	6.1	19.3
4 11	11 50.81	+ 9 9.2	1.899	2.824	9.6	19.5
4 21	11 44.69	+ 8 56.2	1.963	2.819	12.9	19.7
5 1	11 40.70	+ 8 28.3	2.047	2.814	15.6	19.9

230677 2003 SO_{297} 3 22.3 138.°47 6.°1/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.50	−23 50.3	2.596	3.340	12.7	20.7
3 2	12 23.33	−24 5.3	2.519	3.352	10.6	20.6
3 12	12 15.69	−24 0.0	2.464	3.364	8.4	20.5
3 22	12 7.21	−23 34.5	2.436	3.376	6.6	20.4
4 1	11 58.68	−22 50.8	2.435	3.386	6.1	20.4
4 11	11 50.89	−21 53.8	2.463	3.397	7.2	20.4
4 21	11 44.49	−20 49.4	2.517	3.406	9.2	20.6
5 1	11 39.93	−19 43.8	2.596	3.416	11.3	20.7

343126 2009 EQ_{19} 3 22.3 31.°49 0.°3/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.86	− 2 21.8	1.882	2.749	12.0	20.7
3 2	12 21.02	− 1 43.0	1.820	2.755	8.4	20.5
3 12	12 14.55	− 0 53.5	1.783	2.762	4.3	20.2
3 22	12 7.18	+ 0 1.4	1.773	2.769	0.3	19.9
4 1	11 59.81	+ 0 55.5	1.791	2.776	4.3	20.3
4 11	11 53.35	+ 1 42.6	1.836	2.784	8.3	20.5
4 21	11 48.48	+ 2 18.2	1.906	2.792	11.8	20.7
5 1	11 45.65	+ 2 39.4	1.997	2.800	14.8	21.0

463700 2014 PP_{30} 3 22.3 135.°39 1.°4/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.95	+ 0 28.5	1.852	2.718	12.2	22.6
3 2	12 24.54	+ 1 19.4	1.795	2.731	8.4	22.4
3 12	12 16.36	+ 2 18.7	1.763	2.743	4.3	22.2
3 22	12 7.24	+ 3 20.0	1.759	2.754	1.4	22.0
4 1	11 58.18	+ 4 16.5	1.785	2.765	5.0	22.3
4 11	11 50.18	+ 5 2.2	1.838	2.775	9.0	22.5
4 21	11 43.95	+ 5 33.2	1.916	2.784	12.6	22.8
5 1	11 39.96	+ 5 47.9	2.015	2.793	15.5	23.0

262004 2006 QZ_{60} 3 22.3 260.°30 0.°1/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.61	− 3 14.6	1.786	2.645	12.9	21.7
3 2	12 24.70	− 2 43.7	1.694	2.626	9.2	21.5
3 12	12 16.67	− 1 59.6	1.628	2.605	4.9	21.2
3 22	12 7.27	− 1 6.6	1.588	2.584	0.2	20.7
4 1	11 57.53	− 0 11.3	1.577	2.563	4.6	21.0
4 11	11 48.61	+ 0 39.3	1.593	2.541	9.3	21.3
4 21	11 41.46	+ 1 19.1	1.634	2.519	13.5	21.5
5 1	11 36.74	+ 1 44.0	1.696	2.496	17.1	21.6

96860 1999 SG_2 3 22.3 12.°52 6.°3/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.01	+12 3.5	1.303	2.195	14.5	17.5
3 2	12 25.88	+12 52.5	1.253	2.196	10.5	17.3
3 12	12 17.26	+13 37.5	1.225	2.198	7.0	17.1
3 22	12 7.28	+14 9.1	1.223	2.201	6.6	17.1
4 1	11 57.39	+14 19.8	1.245	2.204	9.7	17.2
4 11	11 48.98	+14 5.8	1.291	2.208	13.7	17.5
4 21	11 43.03	+13 27.7	1.357	2.212	17.5	17.7
5 1	11 40.05	+12 28.6	1.440	2.217	20.7	17.9

388799 2008 BT_4 3 22.3 101.°63 1.°8/24.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.78	− 7 55.9	2.382	3.218	11.0	21.6
3 2	12 22.13	− 7 50.8	2.311	3.225	8.0	21.4
3 12	12 15.07	− 7 34.0	2.265	3.233	4.8	21.2
3 22	12 7.22	− 7 7.9	2.248	3.240	2.0	21.0
4 1	11 59.35	− 6 36.3	2.260	3.247	3.3	21.2
4 11	11 52.22	− 6 3.6	2.302	3.255	6.5	21.4
4 21	11 46.43	− 5 34.0	2.369	3.262	9.5	21.6
5 1	11 42.41	− 5 11.1	2.460	3.269	12.2	21.8

213184 2000 SQ_{222} 3 22.3 149.°85 2.°7/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.52	+ 4 0.0	2.041	2.911	11.1	21.2
3 2	12 24.13	+ 5 15.8	1.985	2.923	7.6	21.0
3 12	12 16.12	+ 6 36.7	1.955	2.934	4.1	20.8
3 22	12 7.26	+ 7 55.5	1.955	2.945	2.9	20.7
4 1	11 58.45	+ 9 5.1	1.985	2.954	5.8	20.9
4 11	11 50.59	+ 9 59.8	2.044	2.963	9.3	21.1
4 21	11 44.35	+10 36.7	2.126	2.970	12.5	21.3
5 1	11 40.19	+10 54.8	2.230	2.977	15.1	21.5

214492 2005 UA_{208} 3 22.3 253.°67 0.°3/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.51	− 1 49.3	2.620	3.476	9.4	21.2
3 2	12 20.54	− 1 13.7	2.532	3.463	6.6	21.0
3 12	12 14.26	− 0 30.0	2.471	3.449	3.4	20.8
3 22	12 7.20	+ 0 18.1	2.439	3.436	0.3	20.5
4 1	12 0.02	+ 1 6.2	2.438	3.421	3.5	20.7
4 11	11 53.41	+ 1 49.8	2.465	3.407	6.7	20.9
4 21	11 47.94	+ 2 25.2	2.519	3.393	9.7	21.1
5 1	11 44.05	+ 2 49.7	2.595	3.378	12.3	21.3

148788 2001 UP_{42} 3 22.3 32.°28 1.°2/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.53	− 7 32.6	1.424	2.289	15.3	19.6
3 2	12 21.18	− 6 39.5	1.366	2.298	11.0	19.4
3 12	12 14.77	− 5 26.2	1.331	2.307	6.1	19.1
3 22	12 7.22	− 3 59.2	1.321	2.317	1.5	18.8
4 1	11 59.69	− 2 28.2	1.338	2.327	4.6	19.1
4 11	11 53.35	− 1 3.6	1.381	2.339	9.4	19.4
4 21	11 49.02	+ 0 6.6	1.447	2.350	13.7	19.6
5 1	11 47.20	+ 0 57.3	1.532	2.362	17.3	19.9

300031 2006 UC_{107} 3 22.3 201.°14 0.°7/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.64	− 0 18.1	2.792	3.650	8.8	22.1
3 2	12 20.52	+ 0 23.1	2.714	3.646	6.1	22.0
3 12	12 14.20	+ 1 10.7	2.663	3.642	3.1	21.7
3 22	12 7.21	+ 2 1.1	2.642	3.638	0.7	21.5
4 1	12 0.16	+ 2 49.9	2.652	3.633	3.5	21.8
4 11	11 53.69	+ 3 32.9	2.691	3.628	6.5	21.9
4 21	11 48.31	+ 4 6.9	2.757	3.622	9.3	22.1
5 1	11 44.41	+ 4 29.9	2.846	3.617	11.6	22.3

344287 2001 TD_{226} 3 22.3 155.°41 4.°7/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.24	+16 27.0	2.849	3.716	8.4	21.4
3 2	12 22.91	+17 13.5	2.798	3.724	6.3	21.3
3 12	12 15.39	+17 54.9	2.775	3.731	4.8	21.2
3 22	12 7.25	+18 26.4	2.782	3.738	5.0	21.2
4 1	11 59.18	+18 44.6	2.818	3.744	6.6	21.3
4 11	11 51.83	+18 47.5	2.881	3.750	8.7	21.5
4 21	11 45.72	+18 34.9	2.969	3.755	10.8	21.6
5 1	11 41.20	+18 8.0	3.077	3.760	12.5	21.8

461955 2006 TV_{87} 3 22.3 222.°81 0.°8/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.91	− 0 20.9	2.031	2.892	11.5	21.9
3 2	12 24.62	+ 0 13.3	1.949	2.882	8.1	21.6
3 12	12 16.51	+ 0 56.2	1.892	2.872	4.2	21.4
3 22	12 7.30	+ 1 43.3	1.865	2.861	0.8	21.1
4 1	11 57.93	+ 2 28.8	1.867	2.849	4.6	21.3
4 11	11 49.37	+ 3 6.9	1.897	2.837	8.6	21.5
4 21	11 42.41	+ 3 33.7	1.952	2.824	12.2	21.7
5 1	11 37.60	+ 3 46.5	2.029	2.810	15.3	21.9

280162 2002 QZ_{57} 3 22.3 248.°92 3.°3/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.92	−10 14.0	1.450	2.295	16.2	21.4
3 2	12 26.00	−10 7.0	1.367	2.284	12.2	21.1
3 12	12 17.51	− 9 38.1	1.306	2.272	7.6	20.8
3 22	12 7.34	− 8 49.6	1.269	2.260	3.6	20.5
4 1	11 56.81	− 7 47.6	1.260	2.247	5.2	20.6
4 11	11 47.36	− 6 41.2	1.276	2.235	10.0	20.8
4 21	11 40.14	− 5 39.6	1.316	2.221	14.7	21.1
5 1	11 35.89	− 4 50.5	1.376	2.207	18.8	21.3

383624 2007 PH_{21} 3 22.3 227.°73 8.°6/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 42.09	−15 54.8	1.259	2.076	19.8	20.3
3 2	12 33.77	−17 30.6	1.181	2.071	16.0	20.0
3 12	12 21.88	−18 44.0	1.125	2.066	12.0	19.8
3 22	12 7.50	−19 29.2	1.092	2.060	9.0	19.6
4 1	11 52.44	−19 44.3	1.084	2.054	9.3	19.6
4 11	11 38.76	−19 34.4	1.102	2.047	12.7	19.7
4 21	11 28.10	−19 9.1	1.141	2.040	16.9	19.9
5 1	11 21.42	−18 39.6	1.199	2.033	20.9	20.2

441659 2008 WV_{95} 3 22.4 56.°56 17.°2/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.80	−39 47.2	1.105	1.818	28.0	20.4
3 2	12 24.71	−40 44.5	1.044	1.825	25.5	20.2
3 12	12 17.12	−40 46.7	0.994	1.833	22.7	20.0
3 22	12 7.33	−39 45.3	0.958	1.841	20.0	19.8
4 1	11 57.34	−37 38.8	0.938	1.850	17.9	19.7
4 11	11 49.27	−34 38.2	0.938	1.858	17.3	19.7
4 21	11 44.54	−31 4.3	0.957	1.867	18.4	19.8
5 1	11 43.81	−27 21.2	0.997	1.876	20.7	20.0

13370 Júliusbreza 3 22.4 263.°61 3.°3/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.89	+ 4 54.4	1.495	2.375	13.8	17.9
3 2	12 26.62	+ 5 45.4	1.414	2.356	9.7	17.6
3 12	12 17.81	+ 6 43.5	1.357	2.336	5.3	17.3
3 22	12 7.36	+ 7 40.8	1.326	2.316	3.6	17.2
4 1	11 56.56	+ 8 28.3	1.322	2.296	7.4	17.3
4 11	11 46.80	+ 8 58.7	1.344	2.274	12.2	17.6
4 21	11 39.21	+ 9 8.0	1.388	2.253	16.6	17.8
5 1	11 34.51	+ 8 55.4	1.450	2.231	20.4	18.0

473161 2015 KE_{29} 3 22.4 75.°56 4.°0/27.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.66	−15 53.6	2.252	3.058	12.5	20.5
3 2	12 20.78	−15 39.5	2.177	3.064	9.8	20.4
3 12	12 14.43	−15 6.6	2.125	3.071	6.8	20.2
3 22	12 7.24	−14 17.2	2.100	3.077	4.4	20.0
4 1	12 0.01	−13 15.2	2.103	3.083	4.4	20.0
4 11	11 53.55	−12 6.8	2.135	3.090	6.8	20.2
4 21	11 48.47	−10 58.4	2.192	3.096	9.7	20.4
5 1	11 45.24	− 9 55.8	2.274	3.103	12.4	20.6

435267 2007 TH_{228} 3 22.4 159.°72 2.°9/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.34	−13 38.3	2.330	3.146	11.8	21.6
3 2	12 20.53	−13 4.5	2.250	3.148	9.0	21.5
3 12	12 14.29	−12 13.0	2.194	3.150	5.9	21.3
3 22	12 7.24	−11 6.9	2.167	3.152	3.3	21.1
4 1	12 0.15	− 9 51.0	2.169	3.154	3.7	21.1
4 11	11 53.77	− 8 31.7	2.199	3.155	6.5	21.3
4 21	11 48.71	− 7 15.5	2.257	3.157	9.6	21.5
5 1	11 45.42	− 6 7.7	2.338	3.158	12.4	21.7

135159 2001 QG_{235} 3 22.4 167.°93 0.°1/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.62	− 3 19.4	1.836	2.691	12.9	20.2
3 2	12 25.85	− 2 43.8	1.767	2.696	9.1	20.0
3 12	12 17.15	− 1 56.2	1.724	2.701	4.8	19.7
3 22	12 7.36	− 1 1.5	1.708	2.705	0.2	19.4
4 1	11 57.53	− 0 6.1	1.722	2.708	4.4	19.7
4 11	11 48.74	+ 0 43.1	1.764	2.710	8.7	20.0
4 21	11 41.77	+ 1 21.3	1.832	2.711	12.5	20.2
5 1	11 37.17	+ 1 45.2	1.920	2.712	15.7	20.4

114868 2003 QW_5 3 22.4 178.°45 2.°9/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.68	− 9 52.7	1.907	2.735	13.6	19.8
3 2	12 26.65	− 9 59.5	1.829	2.737	10.2	19.6
3 12	12 17.61	− 9 50.4	1.776	2.739	6.4	19.3
3 22	12 7.38	− 9 27.4	1.750	2.739	3.2	19.1
4 1	11 57.03	− 8 54.4	1.754	2.739	4.4	19.2
4 11	11 47.63	− 8 17.2	1.786	2.739	8.1	19.4
4 21	11 40.05	− 7 41.7	1.844	2.738	11.7	19.6
5 1	11 34.85	− 7 13.0	1.924	2.736	14.9	19.8

338784 2003 UL_{298} 3 22.4 271.°87 2.°6/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.14	−11 42.0	2.088	2.917	12.5	21.5
3 2	12 21.36	−11 7.1	1.991	2.899	9.5	21.2
3 12	12 14.87	−10 13.2	1.918	2.880	6.0	21.0
3 22	12 7.30	− 9 3.1	1.872	2.861	2.9	20.7
4 1	11 59.49	− 7 42.2	1.854	2.842	3.9	20.8
4 11	11 52.36	− 6 17.9	1.866	2.822	7.5	20.9
4 21	11 46.68	− 4 57.6	1.903	2.802	11.1	21.1
5 1	11 43.01	− 3 47.5	1.963	2.782	14.4	21.3

97806 2000 OH_{18} 3 22.4 252.°40 2.°6/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.79	− 8 55.3	1.673	2.516	14.5	19.8
3 2	12 25.69	− 8 48.0	1.583	2.500	10.8	19.6
3 12	12 17.29	− 8 22.5	1.516	2.484	6.6	19.3
3 22	12 7.39	− 7 41.3	1.476	2.468	2.9	19.0
4 1	11 57.11	− 6 49.7	1.463	2.451	4.6	19.1
4 11	11 47.74	− 5 55.0	1.477	2.433	9.1	19.3
4 21	11 40.30	− 5 4.7	1.516	2.415	13.5	19.5
5 1	11 35.51	− 4 25.2	1.576	2.396	17.3	19.7

163722 2003 HC_{29} 3 22.4 330.°18 0.°3/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.62	− 2 23.4	1.208	2.087	16.3	19.6
3 2	12 25.31	− 2 15.4	1.138	2.078	11.7	19.3
3 12	12 17.22	− 1 53.0	1.090	2.070	6.2	18.9
3 22	12 7.38	− 1 21.0	1.065	2.062	0.4	18.5
4 1	11 57.28	− 0 47.1	1.066	2.054	5.7	18.9
4 11	11 48.51	− 0 19.3	1.090	2.048	11.4	19.1
4 21	11 42.24	− 0 4.1	1.136	2.042	16.5	19.4
5 1	11 39.19	− 0 5.3	1.200	2.036	20.7	19.7

281808 2009 WH_{117} 3 22.4 232.°27 0.°4/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.56	− 4 6.6	1.288	2.160	16.1	21.4
3 2	12 25.77	− 3 34.2	1.221	2.157	11.5	21.1
3 12	12 17.37	− 2 44.2	1.176	2.155	6.2	20.8
3 22	12 7.39	− 1 42.7	1.156	2.153	0.5	20.4
4 1	11 57.25	− 0 38.6	1.162	2.150	5.5	20.7
4 11	11 48.43	+ 0 18.2	1.193	2.148	11.0	21.0
4 21	11 42.04	+ 1 0.4	1.246	2.145	15.8	21.3
5 1	11 38.71	+ 1 23.6	1.318	2.142	19.9	21.5

433704 2014 WP_{469} 3 22.4 255.°43 1.°6/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.26	+ 0 41.2	1.941	2.814	11.4	20.6
3 2	12 21.36	+ 1 43.2	1.872	2.811	7.9	20.4
3 12	12 14.80	+ 2 54.2	1.829	2.809	4.0	20.1
3 22	12 7.30	+ 4 7.8	1.813	2.807	1.7	19.9
4 1	11 59.73	+ 5 16.9	1.826	2.805	5.1	20.2
4 11	11 53.00	+ 6 14.8	1.867	2.803	9.0	20.4
4 21	11 47.83	+ 6 57.2	1.932	2.801	12.5	20.6
5 1	11 44.68	+ 7 21.8	2.017	2.799	15.4	20.8

83094 2001 QS_{233} 3 22.4 129.°62 0.°4/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.63	− 2 21.8	2.448	3.304	10.0	20.1
3 2	12 20.60	− 1 31.0	2.382	3.313	6.9	19.9
3 12	12 14.28	− 0 31.5	2.343	3.322	3.5	19.7
3 22	12 7.28	+ 0 32.1	2.334	3.330	0.4	19.4
4 1	12 0.29	+ 1 34.5	2.355	3.338	3.6	19.7
4 11	11 53.99	+ 2 30.7	2.404	3.346	6.9	19.9
4 21	11 48.95	+ 3 16.6	2.480	3.353	9.9	20.1
5 1	11 45.55	+ 3 49.8	2.579	3.361	12.4	20.3

35547 1998 FV_{106} 3 22.4 252.°37 2.°5/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.26	− 8 35.1	1.938	2.777	13.0	18.9
3 2	12 24.27	− 8 38.5	1.856	2.770	9.6	18.7
3 12	12 16.39	− 8 27.5	1.797	2.764	5.9	18.4
3 22	12 7.36	− 8 4.1	1.766	2.757	2.7	18.2
4 1	11 58.15	− 7 32.2	1.764	2.751	4.1	18.3
4 11	11 49.77	− 6 57.4	1.789	2.744	7.9	18.5
4 21	11 43.07	− 6 25.3	1.840	2.737	11.6	18.7
5 1	11 38.60	− 6 0.6	1.913	2.730	14.8	18.9

305338 2008 AB_{111} 3 22.4 281.°54 6.°0/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.27	−20 37.5	2.378	3.150	13.0	20.7
3 2	12 22.76	−21 6.7	2.283	3.139	10.7	20.6
3 12	12 15.58	−21 16.9	2.211	3.128	8.3	20.4
3 22	12 7.33	−21 7.6	2.164	3.117	6.4	20.2
4 1	11 58.85	−20 40.2	2.145	3.106	6.1	20.2
4 11	11 51.00	−19 58.9	2.154	3.095	7.6	20.3
4 21	11 44.53	−19 9.4	2.189	3.084	10.1	20.4
5 1	11 40.00	−18 18.0	2.246	3.074	12.6	20.5

445065 2008 SO_{232} 3 22.4 72.°24 1.°5/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 22.61	− 9 14.4	3.062	3.891	9.0	20.8
3 2	12 18.34	− 8 46.2	2.989	3.899	6.6	20.6
3 12	12 13.06	− 8 7.5	2.942	3.907	4.0	20.5
3 22	12 7.24	− 7 20.8	2.924	3.915	1.7	20.3
4 1	12 1.41	− 6 29.7	2.936	3.923	2.6	20.4
4 11	11 56.11	− 5 38.3	2.978	3.931	5.2	20.6
4 21	11 51.77	− 4 50.2	3.047	3.939	7.6	20.7
5 1	11 48.73	− 4 8.8	3.140	3.947	9.8	20.9

502799 2015 DE_{107} 3 22.4 232.°21 2.°2/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.66	+ 4 31.7	1.977	2.849	11.3	20.9
3 2	12 24.42	+ 4 58.7	1.907	2.845	7.8	20.6
3 12	12 16.40	+ 5 29.5	1.862	2.842	4.2	20.4
3 22	12 7.37	+ 5 59.0	1.846	2.838	2.3	20.3
4 1	11 58.27	+ 6 22.0	1.858	2.834	5.4	20.4
4 11	11 50.08	+ 6 34.1	1.898	2.830	9.1	20.7
4 21	11 43.55	+ 6 33.1	1.963	2.826	12.6	20.9
5 1	11 39.17	+ 6 18.0	2.048	2.822	15.4	21.1

402011 2003 RN_7 3 22.4 175.°14 1.°9/24.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.13	− 8 0.6	2.163	2.993	12.1	21.7
3 2	12 26.05	− 7 53.6	2.085	2.997	8.9	21.5
3 12	12 17.23	− 7 33.5	2.033	3.000	5.3	21.3
3 22	12 7.41	− 7 2.7	2.010	3.002	2.1	21.0
4 1	11 57.50	− 6 25.3	2.017	3.003	3.7	21.2
4 11	11 48.45	− 5 46.7	2.053	3.003	7.3	21.4
4 21	11 41.00	− 5 11.8	2.116	3.003	10.8	21.6
5 1	11 35.67	− 4 44.7	2.202	3.001	13.7	21.8

428784 2008 SC_{275} 3 22.4 250.°87 3.°3/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.09	+ 7 38.5	2.102	2.976	10.6	21.5
3 2	12 24.01	+ 8 20.3	2.024	2.963	7.4	21.2
3 12	12 16.21	+ 9 3.9	1.973	2.950	4.4	21.0
3 22	12 7.37	+ 9 43.6	1.951	2.936	3.5	20.9
4 1	11 58.40	+10 13.8	1.957	2.923	6.2	21.1
4 11	11 50.23	+10 30.2	1.991	2.908	9.6	21.2
4 21	11 43.60	+10 30.6	2.049	2.894	12.8	21.4
5 1	11 39.04	+10 14.7	2.127	2.879	15.6	21.6

371047 2005 UT_{174} 3 22.4 209.°90 0.°3/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.47	− 3 38.2	2.247	3.097	11.0	22.3
3 2	12 23.48	− 3 7.8	2.164	3.091	7.8	22.1
3 12	12 15.90	− 2 27.0	2.108	3.084	4.2	21.8
3 22	12 7.36	− 1 39.5	2.080	3.076	0.4	21.5
4 1	11 58.70	− 0 50.4	2.082	3.068	3.7	21.8
4 11	11 50.78	− 0 5.1	2.114	3.059	7.5	22.0
4 21	11 44.28	+ 0 32.0	2.171	3.050	10.9	22.2
5 1	11 39.70	+ 0 57.7	2.251	3.040	13.8	22.4

292885 2006 VT_{27} 3 22.4 128.°95 5.°1/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.39	+16 50.5	2.598	3.469	8.9	21.3
3 2	12 22.44	+17 41.4	2.550	3.477	6.8	21.1
3 12	12 15.21	+18 26.5	2.530	3.485	5.3	21.1
3 22	12 7.34	+19 0.6	2.539	3.493	5.5	21.1
4 1	11 59.54	+19 19.9	2.576	3.501	7.2	21.2
4 11	11 52.52	+19 22.3	2.639	3.508	9.4	21.4
4 21	11 46.81	+19 7.8	2.726	3.516	11.5	21.5
5 1	11 42.79	+18 37.7	2.833	3.523	13.4	21.7

301284 2009 BF_{105} 3 22.4 258.°95 3.°3/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.68	−12 44.4	2.345	3.161	11.8	20.7
3 2	12 22.27	−12 45.7	2.253	3.150	9.1	20.5
3 12	12 15.30	−12 31.6	2.185	3.139	6.1	20.3
3 22	12 7.35	−12 3.6	2.145	3.128	3.6	20.1
4 1	11 59.22	−11 24.7	2.133	3.116	4.0	20.1
4 11	11 51.73	−10 39.9	2.150	3.104	6.8	20.2
4 21	11 45.58	− 9 54.5	2.194	3.092	9.9	20.4
5 1	11 41.28	− 9 13.6	2.261	3.080	12.8	20.6

327336 2005 UJ_{142} 3 22.4 210.°78 3.°8/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.98	+ 8 54.4	2.307	3.180	9.8	21.8
3 2	12 23.10	+10 4.0	2.235	3.173	6.9	21.6
3 12	12 15.68	+11 15.0	2.192	3.165	4.4	21.4
3 22	12 7.36	+12 21.1	2.177	3.156	4.1	21.4
4 1	11 58.96	+13 16.0	2.192	3.147	6.5	21.5
4 11	11 51.30	+13 55.3	2.235	3.137	9.5	21.7
4 21	11 45.04	+14 16.7	2.302	3.126	12.3	21.8
5 1	11 40.65	+14 19.9	2.390	3.114	14.7	22.0

321995 2010 UQ_{75} 3 22.4 264.°06 3.°3/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.74	−11 13.0	1.724	2.559	14.5	21.2
3 2	12 24.19	−11 7.3	1.635	2.546	11.0	21.0
3 12	12 16.48	−10 42.0	1.570	2.533	7.1	20.7
3 22	12 7.40	− 9 59.1	1.531	2.519	3.7	20.5
4 1	11 58.01	− 9 3.3	1.519	2.505	4.7	20.5
4 11	11 49.51	− 8 2.3	1.534	2.491	8.7	20.7
4 21	11 42.84	− 7 3.6	1.573	2.477	12.8	20.9
5 1	11 38.68	− 6 14.3	1.634	2.462	16.4	21.1

308189 2005 CB_{60} 3 22.4 74.°54 1.°9/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.66	− 6 12.0	1.427	2.283	15.8	20.7
3 2	12 27.49	− 6 14.3	1.379	2.304	11.4	20.5
3 12	12 18.05	− 6 0.5	1.353	2.326	6.5	20.3
3 22	12 7.45	− 5 34.7	1.353	2.347	2.1	20.1
4 1	11 57.03	− 5 2.6	1.381	2.369	4.7	20.3
4 11	11 48.09	− 4 31.5	1.434	2.390	9.4	20.6
4 21	11 41.50	− 4 7.1	1.512	2.411	13.5	20.9
5 1	11 37.73	− 3 53.7	1.610	2.432	16.9	21.2

430422 1999 RU_{144} 3 22.4 237.°55 0.°2/22.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 24.56	− 4 40.2	3.116	3.959	8.4	22.0
3 2	12 19.77	− 3 49.0	3.019	3.942	6.0	21.8
3 12	12 13.87	− 2 48.4	2.950	3.925	3.2	21.6
3 22	12 7.30	− 1 41.7	2.911	3.907	0.3	21.4
4 1	12 0.62	− 0 33.2	2.904	3.889	2.8	21.6
4 11	11 54.40	+ 0 32.5	2.927	3.870	5.8	21.7
4 21	11 49.11	+ 1 31.5	2.978	3.851	8.4	21.9
5 1	11 45.15	+ 2 20.7	3.053	3.831	10.7	22.0

467656 2008 TB_{139} 3 22.4 284.°21 3.°9/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.32	−14 46.6	1.987	2.802	13.6	21.8
3 2	12 22.40	−14 22.7	1.876	2.772	10.6	21.6
3 12	12 15.54	−13 36.3	1.789	2.742	7.3	21.3
3 22	12 7.37	−12 28.9	1.728	2.711	4.3	21.0
4 1	11 58.79	−11 4.9	1.695	2.679	4.7	21.0
4 11	11 50.84	− 9 31.9	1.690	2.647	8.1	21.1
4 21	11 44.42	− 7 58.6	1.711	2.615	11.9	21.3
5 1	11 40.20	− 6 33.3	1.755	2.582	15.5	21.4

15282 Franzmarc 3 22.4 196.°02 1.°3/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 25.47	− 8 5.8	2.386	3.225	10.8	18.6
3 2	12 20.61	− 7 25.4	2.306	3.224	7.9	18.4
3 12	12 14.36	− 6 31.6	2.252	3.222	4.6	18.2
3 22	12 7.32	− 5 27.9	2.227	3.221	1.5	18.0
4 1	12 0.22	− 4 19.5	2.231	3.219	3.2	18.1
4 11	11 53.79	− 3 12.3	2.264	3.217	6.6	18.3
4 21	11 48.63	− 2 11.5	2.324	3.214	9.8	18.5
5 1	11 45.17	− 1 21.3	2.407	3.212	12.5	18.7

77124 2001 DA_{89} 3 22.4 53.°17 0.°5/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.44	− 1 42.4	1.333	2.210	15.3	20.0
3 2	12 24.67	− 1 8.2	1.284	2.224	10.7	19.8
3 12	12 16.64	− 0 21.3	1.258	2.239	5.5	19.5
3 22	12 7.40	+ 0 31.4	1.258	2.254	0.5	19.2
4 1	11 58.31	+ 1 21.7	1.284	2.270	5.4	19.6
4 11	11 50.62	+ 2 1.7	1.334	2.285	10.4	19.9
4 21	11 45.23	+ 2 26.6	1.408	2.301	14.7	20.2
5 1	11 42.59	+ 2 34.0	1.500	2.318	18.2	20.4

463733 2014 QH_{354} 3 22.4 1.°87 0.°9/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.75	− 2 45.1	1.337	2.207	15.8	20.8
3 2	12 27.25	− 2 59.2	1.271	2.206	11.3	20.5
3 12	12 18.14	− 3 1.3	1.228	2.206	6.2	20.2
3 22	12 7.47	− 2 54.6	1.210	2.206	1.1	19.9
4 1	11 56.66	− 2 44.4	1.218	2.206	5.2	20.2
4 11	11 47.21	− 2 36.7	1.252	2.207	10.4	20.5
4 21	11 40.18	− 2 36.4	1.308	2.209	15.1	20.7
5 1	11 36.22	− 2 47.1	1.383	2.210	18.9	21.0

36542 2000 QZ_{97} 3 22.4 114.°94 1.°9/19.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 25.75	+ 3 47.2	2.573	3.442	9.1	19.5
3 2	12 20.62	+ 4 42.6	2.517	3.455	6.2	19.4
3 12	12 14.28	+ 5 41.6	2.489	3.468	3.3	19.2
3 22	12 7.33	+ 6 39.5	2.490	3.480	2.1	19.1
4 1	12 0.42	+ 7 31.2	2.521	3.493	4.5	19.3
4 11	11 54.20	+ 8 12.8	2.581	3.505	7.4	19.5
4 21	11 49.19	+ 8 41.7	2.666	3.517	10.0	19.7
5 1	11 45.74	+ 8 56.7	2.774	3.528	12.3	19.9

208208 2000 SJ_{53} 3 22.4 160.°47 0.°7/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 24.84	− 6 5.0	2.533	3.378	10.1	20.6
3 2	12 20.07	− 5 19.3	2.458	3.381	7.2	20.4
3 12	12 14.05	− 4 22.4	2.410	3.384	4.0	20.2
3 22	12 7.32	− 3 18.1	2.391	3.386	0.8	20.0
4 1	12 0.56	− 2 11.4	2.401	3.388	3.1	20.2
4 11	11 54.44	− 1 7.7	2.441	3.390	6.4	20.4
4 21	11 49.51	− 0 11.6	2.508	3.392	9.4	20.6
5 1	11 46.17	+ 0 33.4	2.598	3.394	11.9	20.7

57871 2001 YB_{52} 3 22.4 231.°42 3.°2/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.95	+ 8 49.2	2.613	3.486	8.8	19.7
3 2	12 21.54	+ 9 38.3	2.539	3.477	6.2	19.5
3 12	12 14.83	+10 28.1	2.493	3.468	3.8	19.3
3 22	12 7.36	+11 13.7	2.477	3.458	3.4	19.3
4 1	11 59.81	+11 50.4	2.489	3.448	5.5	19.4
4 11	11 52.90	+12 14.8	2.530	3.437	8.3	19.6
4 21	11 47.19	+12 24.8	2.596	3.427	10.9	19.7
5 1	11 43.10	+12 20.2	2.683	3.416	13.1	19.9

226745 2004 RC_{23} 3 22.4 231.°85 0.°4/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.10	− 1 36.3	2.031	2.891	11.5	20.8
3 2	12 23.37	− 1 4.6	1.951	2.883	8.1	20.5
3 12	12 15.90	− 0 23.2	1.897	2.876	4.2	20.3
3 22	12 7.40	+ 0 23.4	1.871	2.867	0.4	19.9
4 1	11 58.76	+ 1 9.7	1.875	2.859	4.2	20.2
4 11	11 50.93	+ 1 49.9	1.906	2.850	8.3	20.4
4 21	11 44.65	+ 2 19.8	1.963	2.841	11.9	20.7
5 1	11 40.45	+ 2 36.3	2.041	2.832	14.9	20.8

274572 2008 SD_{299} 3 22.4 216.°44 3.°9/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.95	+ 8 22.4	2.008	2.888	10.8	20.3
3 2	12 22.50	+ 9 25.0	1.945	2.886	7.5	20.1
3 12	12 15.41	+10 29.1	1.908	2.884	4.6	19.9
3 22	12 7.38	+11 27.8	1.899	2.881	4.2	19.9
4 1	11 59.31	+12 14.6	1.919	2.879	6.8	20.0
4 11	11 52.12	+12 45.0	1.965	2.876	10.1	20.2
4 21	11 46.49	+12 56.8	2.034	2.873	13.1	20.4
5 1	11 42.90	+12 49.9	2.124	2.871	15.7	20.6

10320 Reiland 3 22.4 243.°75 0.°2/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.99	− 4 50.2	1.625	2.487	13.9	18.1
3 2	12 23.67	− 3 53.5	1.544	2.476	9.9	17.9
3 12	12 16.21	− 2 39.1	1.487	2.465	5.3	17.6
3 22	12 7.41	− 1 13.2	1.457	2.453	0.3	17.1
4 1	11 58.39	+ 0 15.4	1.454	2.441	4.9	17.5
4 11	11 50.32	+ 1 37.3	1.479	2.428	9.7	17.7
4 21	11 44.15	+ 2 44.7	1.528	2.415	14.1	17.9
5 1	11 40.49	+ 3 32.8	1.596	2.402	17.8	18.1

209436 2004 FV_{69} 3 22.4 177.°67 0.°9/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 25.05	− 7 8.5	2.602	3.442	10.0	20.9
3 2	12 20.21	− 6 24.2	2.524	3.443	7.2	20.7
3 12	12 14.12	− 5 28.1	2.472	3.444	4.1	20.5
3 22	12 7.33	− 4 23.9	2.449	3.444	1.1	20.3
4 1	12 0.50	− 3 16.3	2.457	3.444	3.0	20.4
4 11	11 54.29	− 2 10.7	2.494	3.444	6.2	20.7
4 21	11 49.24	− 1 11.9	2.558	3.444	9.2	20.8
5 1	11 45.75	− 0 23.3	2.646	3.443	11.7	21.0

109157 2001 QW_{60} 3 22.4 99.°05 0.°2/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 25.30	− 3 25.1	2.274	3.131	10.6	19.6
3 2	12 20.45	− 2 24.7	2.212	3.143	7.4	19.4
3 12	12 14.25	− 1 14.0	2.177	3.155	3.8	19.2
3 22	12 7.34	+ 0 1.7	2.171	3.167	0.2	18.9
4 1	12 0.46	+ 1 16.4	2.194	3.179	3.7	19.3
4 11	11 54.34	+ 2 24.0	2.247	3.190	7.2	19.5
4 21	11 49.55	+ 3 20.0	2.325	3.202	10.3	19.7
5 1	11 46.48	+ 4 1.7	2.426	3.213	12.9	19.9

200318 2000 ER_{197} 3 22.4 208.°69 0.°6/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.27	− 3 55.9	1.664	2.520	13.9	20.3
3 2	12 26.61	− 3 36.1	1.587	2.516	9.9	20.0
3 12	12 17.72	− 3 2.8	1.534	2.510	5.4	19.8
3 22	12 7.48	− 2 20.4	1.509	2.505	0.7	19.4
4 1	11 57.05	− 1 35.2	1.511	2.498	4.6	19.7
4 11	11 47.68	− 0 54.0	1.542	2.491	9.4	19.9
4 21	11 40.30	− 0 22.6	1.596	2.484	13.6	20.2
5 1	11 35.53	− 0 4.8	1.671	2.476	17.2	20.4

128328 2004 FU_{15} 3 22.4 337.°17 15.°8/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.19	−36 20.0	1.118	1.856	26.4	19.5
3 2	12 23.57	−37 4.9	1.046	1.853	23.9	19.3
3 12	12 16.61	−36 57.1	0.987	1.850	21.0	19.0
3 22	12 7.44	−35 48.0	0.942	1.848	18.1	18.8
4 1	11 57.88	−33 36.2	0.916	1.846	16.1	18.7
4 11	11 49.96	−30 32.6	0.909	1.844	16.0	18.7
4 21	11 45.17	−26 57.8	0.923	1.843	17.8	18.8
5 1	11 44.28	−23 16.6	0.957	1.842	20.9	19.0

350049 2010 OE_{91} 3 22.4 218.°64 3.°3/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 26.67	+ 8 45.5	2.574	3.448	8.9	21.2
3 2	12 21.36	+ 9 41.5	2.503	3.441	6.2	21.1
3 12	12 14.74	+10 38.3	2.460	3.435	3.9	20.9
3 22	12 7.37	+11 30.9	2.447	3.427	3.5	20.9
4 1	11 59.94	+12 14.2	2.463	3.420	5.7	21.0
4 11	11 53.16	+12 44.5	2.507	3.412	8.4	21.1
4 21	11 47.59	+12 59.9	2.575	3.404	11.0	21.3
5 1	11 43.65	+12 59.8	2.665	3.395	13.2	21.5

505072 2011 SV_{225} 3 22.4 191.°77 2.°6/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.03	−13 24.7	2.904	3.711	10.0	22.2
3 2	12 20.14	−13 0.0	2.817	3.710	7.6	22.0
3 12	12 14.08	−12 21.5	2.755	3.708	5.1	21.9
3 22	12 7.35	−11 31.2	2.722	3.706	2.9	21.7
4 1	12 0.55	−10 32.7	2.719	3.703	3.2	21.7
4 11	11 54.31	− 9 30.5	2.746	3.700	5.5	21.9
4 21	11 49.12	− 8 29.4	2.801	3.697	8.1	22.0
5 1	11 45.39	− 7 33.7	2.881	3.693	10.5	22.2

464676 2001 TG_{93} 3 22.4 64.°17 5.°3/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.50	−19 0.3	1.617	2.422	16.7	20.8
3 2	12 23.04	−18 25.4	1.566	2.451	13.1	20.6
3 12	12 15.69	−17 22.3	1.538	2.480	9.3	20.4
3 22	12 7.40	−15 55.0	1.534	2.509	6.0	20.3
4 1	11 59.31	−14 11.3	1.558	2.538	5.6	20.3
4 11	11 52.47	−12 21.9	1.608	2.567	8.3	20.6
4 21	11 47.61	−10 37.1	1.684	2.595	11.6	20.8
5 1	11 45.14	− 9 4.9	1.783	2.624	14.8	21.1

189471 1999 TU_{76} 3 22.4 284.°29 1.°1/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.86	− 5 57.2	1.306	2.174	16.2	20.7
3 2	12 24.83	− 5 24.6	1.221	2.154	11.8	20.4
3 12	12 17.07	− 4 30.7	1.157	2.134	6.6	20.1
3 22	12 7.47	− 3 20.2	1.118	2.114	1.3	19.6
4 1	11 57.39	− 2 2.0	1.105	2.094	5.4	19.9
4 11	11 48.37	− 0 47.1	1.116	2.073	11.2	20.1
4 21	11 41.67	+ 0 14.7	1.150	2.053	16.5	20.3
5 1	11 38.10	+ 0 56.7	1.201	2.033	21.0	20.6

412226 2013 GB_{136} 3 22.4 313.°00 4.°5/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.03	+ 6 50.3	1.344	2.236	14.1	20.7
3 2	12 23.99	+ 7 55.1	1.276	2.223	9.9	20.4
3 12	12 16.48	+ 9 5.1	1.232	2.211	5.8	20.1
3 22	12 7.45	+10 10.8	1.212	2.199	4.9	20.0
4 1	11 58.21	+11 1.9	1.218	2.187	8.6	20.2
4 11	11 50.16	+11 31.1	1.248	2.176	13.2	20.4
4 21	11 44.36	+11 35.2	1.298	2.166	17.4	20.7
5 1	11 41.46	+11 14.5	1.366	2.156	21.0	20.9

217028 2001 OK_{80} 3 22.4 185.°72 2.°6/19.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.85	+ 3 55.8	2.199	3.070	10.3	21.3
3 2	12 22.34	+ 5 16.8	2.131	3.070	7.1	21.1
3 12	12 15.30	+ 6 43.6	2.091	3.070	3.9	20.9
3 22	12 7.40	+ 8 9.4	2.080	3.068	2.8	20.8
4 1	11 59.45	+ 9 27.2	2.099	3.067	5.6	21.0
4 11	11 52.27	+10 31.0	2.146	3.064	9.0	21.2
4 21	11 46.53	+11 17.3	2.219	3.061	12.1	21.4
5 1	11 42.66	+11 44.7	2.312	3.057	14.6	21.6

292268 2006 SF_{110} 3 22.4 135.°22 0.°6/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.32	− 0 15.9	2.871	3.727	8.7	21.4
3 2	12 20.93	+ 0 22.4	2.809	3.740	6.0	21.3
3 12	12 14.44	+ 1 6.4	2.774	3.752	3.0	21.1
3 22	12 7.37	+ 1 52.4	2.769	3.764	0.7	20.9
4 1	12 0.33	+ 2 36.4	2.794	3.776	3.3	21.1
4 11	11 53.91	+ 3 14.6	2.850	3.787	6.2	21.3
4 21	11 48.59	+ 3 44.4	2.932	3.797	8.8	21.5
5 1	11 44.71	+ 4 3.8	3.038	3.808	11.0	21.7

507489 2012 UF_{28} 3 22.4 67.°14 2.°6/25.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 24.32	−13 6.6	2.176	3.000	12.3	21.0
3 2	12 19.90	−12 15.0	2.100	3.004	9.3	20.8
3 12	12 14.04	−11 4.4	2.049	3.009	5.9	20.6
3 22	12 7.36	− 9 38.7	2.025	3.013	3.0	20.4
4 1	12 0.65	− 8 4.0	2.031	3.018	3.6	20.5
4 11	11 54.70	− 6 28.1	2.066	3.023	6.8	20.7
4 21	11 50.14	− 4 58.1	2.127	3.028	10.1	20.9
5 1	11 47.39	− 3 39.8	2.212	3.033	13.0	21.1

380433 2003 QK_{97} 3 22.4 36.°07 1.°4/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.33	+ 0 0.3	1.769	2.644	12.3	20.7
3 2	12 21.51	+ 1 0.5	1.707	2.647	8.5	20.5
3 12	12 14.94	+ 2 10.5	1.670	2.651	4.3	20.2
3 22	12 7.40	+ 3 23.7	1.660	2.655	1.5	20.0
4 1	11 59.83	+ 4 32.3	1.678	2.659	5.2	20.3
4 11	11 53.22	+ 5 29.4	1.723	2.663	9.3	20.5
4 21	11 48.29	+ 6 10.3	1.792	2.668	12.9	20.8
5 1	11 45.52	+ 6 32.8	1.881	2.673	16.0	21.0

350971 2003 EA_{22} 3 22.4 43.°03 2.°6/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.85	+ 0 44.2	1.243	2.131	15.3	20.1
3 2	12 23.09	+ 2 10.5	1.190	2.136	10.5	19.8
3 12	12 15.93	+ 3 50.0	1.159	2.142	5.4	19.5
3 22	12 7.43	+ 5 31.8	1.154	2.147	2.9	19.4
4 1	11 58.95	+ 7 3.5	1.175	2.153	7.3	19.6
4 11	11 51.83	+ 8 14.8	1.219	2.159	12.3	19.9
4 21	11 47.03	+ 9 0.3	1.285	2.166	16.7	20.2
5 1	11 45.07	+ 9 18.8	1.368	2.173	20.3	20.5

212325 2005 SB_{22} 3 22.4 214.°23 1.°1/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.12	+ 0 54.8	2.766	3.628	8.8	21.1
3 2	12 20.23	+ 1 42.1	2.688	3.623	6.0	20.9
3 12	12 14.14	+ 2 35.3	2.637	3.617	3.1	20.7
3 22	12 7.38	+ 3 30.5	2.616	3.611	1.1	20.5
4 1	12 0.54	+ 4 23.0	2.626	3.604	3.8	20.7
4 11	11 54.28	+ 5 8.5	2.664	3.597	6.8	20.9
4 21	11 49.09	+ 5 44.0	2.729	3.590	9.5	21.1
5 1	11 45.39	+ 6 7.4	2.817	3.583	11.8	21.2

168472 1999 PQ_4 3 22.4 245.°96 1.°5/21.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.79	+ 0 49.1	1.742	2.612	12.7	20.7
3 2	12 24.85	+ 1 34.0	1.661	2.599	8.9	20.5
3 12	12 16.81	+ 2 28.7	1.605	2.585	4.6	20.2
3 22	12 7.48	+ 3 27.1	1.576	2.571	1.6	19.9
4 1	11 57.92	+ 4 22.0	1.576	2.557	5.5	20.2
4 11	11 49.28	+ 5 6.3	1.603	2.542	10.0	20.4
4 21	11 42.46	+ 5 35.3	1.654	2.526	14.0	20.6
5 1	11 38.08	+ 5 46.6	1.724	2.511	17.4	20.8

244055 2001 TR_{77} 3 22.4 134.°23 7.°2/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.11	+26 10.9	2.726	3.576	9.3	20.8
3 2	12 24.30	+27 6.4	2.692	3.588	7.8	20.7
3 12	12 16.19	+27 49.8	2.685	3.599	7.2	20.7
3 22	12 7.45	+28 16.1	2.705	3.610	7.7	20.7
4 1	11 58.86	+28 22.2	2.752	3.620	9.0	20.8
4 11	11 51.15	+28 7.3	2.824	3.630	10.7	20.9
4 21	11 44.86	+27 33.1	2.918	3.640	12.3	21.1
5 1	11 40.36	+26 42.1	3.030	3.649	13.7	21.2

218027 2001 YA_{108} 3 22.4 123.°83 4.°6/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.08	+11 24.3	2.258	3.134	9.9	20.6
3 2	12 23.04	+12 49.9	2.217	3.153	7.1	20.4
3 12	12 15.59	+14 13.3	2.204	3.171	4.9	20.3
3 22	12 7.43	+15 27.4	2.220	3.189	5.0	20.4
4 1	11 59.38	+16 26.3	2.265	3.206	7.1	20.5
4 11	11 52.23	+17 6.3	2.337	3.222	9.8	20.7
4 21	11 46.55	+17 26.4	2.432	3.238	12.3	20.9
5 1	11 42.73	+17 27.4	2.548	3.253	14.4	21.1

225610 2000 YJ_{74} 3 22.4 91.°55 6.°6/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.00	−22 3.9	1.977	2.751	15.2	20.0
3 2	12 23.36	−22 14.0	1.907	2.764	12.5	19.9
3 12	12 15.92	−21 59.3	1.859	2.777	9.6	19.7
3 22	12 7.45	−21 20.1	1.835	2.790	7.3	19.6
4 1	11 58.95	−20 20.0	1.839	2.803	6.7	19.6
4 11	11 51.41	−19 5.8	1.869	2.815	8.2	19.7
4 21	11 45.61	−17 45.9	1.925	2.828	10.8	19.9
5 1	11 42.03	−16 28.1	2.004	2.840	13.5	20.1

109262 2001 QE_{108} 3 22.4 184.°14 0.°7/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.88	− 0 13.1	3.005	3.861	8.4	20.1
3 2	12 20.66	+ 0 29.7	2.929	3.861	5.8	19.9
3 12	12 14.33	+ 1 18.3	2.881	3.860	2.9	19.7
3 22	12 7.39	+ 2 9.3	2.864	3.859	0.7	19.5
4 1	12 0.41	+ 2 58.6	2.877	3.858	3.3	19.8
4 11	11 53.98	+ 3 42.3	2.921	3.856	6.1	19.9
4 21	11 48.57	+ 4 17.5	2.991	3.854	8.7	20.1
5 1	11 44.55	+ 4 42.2	3.085	3.851	10.9	20.3

236052 2005 JQ_{19} 3 22.4 259.°86 0.°9/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.87	− 0 27.3	2.383	3.245	10.0	21.1
3 2	12 20.97	+ 0 25.3	2.294	3.229	6.9	20.9
3 12	12 14.63	+ 1 26.7	2.232	3.212	3.5	20.6
3 22	12 7.41	+ 2 32.3	2.200	3.195	1.0	20.4
4 1	12 0.03	+ 3 36.2	2.197	3.178	4.1	20.6
4 11	11 53.26	+ 4 33.1	2.223	3.160	7.7	20.8
4 21	11 47.74	+ 5 18.5	2.274	3.142	10.9	21.0
5 1	11 43.94	+ 5 49.7	2.348	3.124	13.6	21.1

208460 2001 TT_{213} 3 22.4 150.°85 3.°5/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.75	−14 51.9	2.496	3.300	11.5	20.5
3 2	12 21.49	−14 42.9	2.416	3.304	8.9	20.3
3 12	12 14.85	−14 17.8	2.361	3.309	6.2	20.1
3 22	12 7.43	−13 38.3	2.334	3.312	3.9	20.0
4 1	11 59.94	−12 47.8	2.336	3.316	4.0	20.0
4 11	11 53.13	−11 51.5	2.366	3.319	6.3	20.2
4 21	11 47.60	−10 54.8	2.423	3.323	9.1	20.3
5 1	11 43.78	−10 2.6	2.505	3.326	11.6	20.5

110959 2001 UT_{167} 3 22.4 157.°92 1.°7/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.66	+ 3 31.0	1.951	2.816	11.7	19.2
3 2	12 26.51	+ 3 44.7	1.884	2.820	8.1	19.0
3 12	12 17.53	+ 4 2.4	1.844	2.823	4.2	18.8
3 22	12 7.54	+ 4 19.6	1.832	2.826	1.7	18.6
4 1	11 57.53	+ 4 31.8	1.850	2.829	5.0	18.8
4 11	11 48.53	+ 4 35.0	1.896	2.832	8.9	19.1
4 21	11 41.30	+ 4 27.2	1.967	2.834	12.4	19.3
5 1	11 36.35	+ 4 7.3	2.060	2.836	15.3	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
320602	2008 BA_{50}		3 22.4	203.°39	2.°7/19.7	16
	h m	° ′			°	m
2 21	12 28.25	+ 2 49.1	1.689	2.568	12.5	21.3
3 2	12 22.98	+ 4 3.6	1.624	2.567	8.6	21.1
3 12	12 15.78	+ 5 26.6	1.585	2.565	4.6	20.8
3 22	12 7.47	+ 6 49.8	1.572	2.564	2.9	20.7
4 1	11 59.09	+ 8 4.4	1.588	2.562	6.4	20.9
4 11	11 51.71	+ 9 3.1	1.630	2.560	10.5	21.2
4 21	11 46.14	+ 9 41.7	1.695	2.557	14.2	21.4
5 1	11 42.92	+ 9 58.7	1.780	2.555	17.3	21.6
327314	2005 UE_{27}		3 22.4	201.°93	2.°5/20.0	17
2 21	12 29.91	+ 4 20.2	1.885	2.759	11.6	21.0
3 2	12 23.99	+ 5 4.9	1.817	2.757	8.1	20.8
3 12	12 16.25	+ 5 54.4	1.776	2.756	4.3	20.5
3 22	12 7.49	+ 6 42.7	1.762	2.754	2.7	20.4
4 1	11 58.66	+ 7 23.4	1.777	2.751	5.8	20.6
4 11	11 50.78	+ 7 51.3	1.819	2.749	9.6	20.8
4 21	11 44.60	+ 8 3.6	1.885	2.746	13.1	21.0
5 1	11 40.62	+ 7 59.2	1.971	2.743	16.0	21.2
491111	2011 SM_{75}		3 22.4	221.°05	1.°4/23.7	17
2 21	12 30.67	− 7 39.9	1.728	2.575	13.9	22.9
3 2	12 24.79	− 6 57.2	1.644	2.566	10.1	22.7
3 12	12 16.80	− 5 55.9	1.584	2.557	5.8	22.4
3 22	12 7.51	− 4 40.4	1.552	2.547	1.6	22.1
4 1	11 58.00	− 3 18.2	1.548	2.536	4.3	22.3
4 11	11 49.41	− 1 58.3	1.571	2.524	9.0	22.5
4 21	11 42.67	− 0 48.2	1.620	2.512	13.2	22.7
5 1	11 38.41	+ 0 6.1	1.690	2.499	16.8	22.9
357355	2003 RV_8		3 22.4	261.°09	2.°6/25.3	18
2 21	12 28.82	−13 29.6	1.915	2.736	13.8	21.1
3 2	12 23.50	−12 20.6	1.806	2.710	10.5	20.8
3 12	12 16.17	−10 45.1	1.721	2.682	6.7	20.5
3 22	12 7.49	− 8 46.6	1.663	2.654	3.1	20.2
4 1	11 58.43	− 6 32.7	1.636	2.624	4.2	20.2
4 11	11 50.07	− 4 14.4	1.639	2.594	8.5	20.4
4 21	11 43.32	− 2 2.8	1.669	2.563	12.8	20.6
5 1	11 38.88	− 0 7.1	1.722	2.531	16.5	20.8
123668	2000 YB_{81}		3 22.4	74.°71	3.°5/19.0	18
2 21	12 29.25	+ 6 42.4	1.771	2.651	11.9	19.6
3 2	12 23.46	+ 7 39.6	1.723	2.665	8.2	19.4
3 12	12 15.91	+ 8 38.8	1.701	2.679	4.7	19.2
3 22	12 7.48	+ 9 32.9	1.707	2.693	3.7	19.2
4 1	11 59.15	+10 15.3	1.740	2.707	6.6	19.4
4 11	11 51.91	+10 41.2	1.799	2.721	10.2	19.6
4 21	11 46.47	+10 48.8	1.882	2.735	13.5	19.8
5 1	11 43.24	+10 38.3	1.984	2.749	16.2	20.1
227537	2005 YP_{91}		3 22.4	132.°76	1.°4/23.8	17
2 21	12 28.51	− 7 14.2	2.052	2.896	12.1	21.4
3 2	12 22.87	− 6 45.7	1.983	2.903	8.8	21.2
3 12	12 15.62	− 6 3.3	1.940	2.911	5.0	21.0
3 22	12 7.47	− 5 11.0	1.924	2.918	1.6	20.8
4 1	11 59.30	− 4 14.1	1.937	2.925	3.6	20.9
4 11	11 52.00	− 3 18.9	1.979	2.932	7.4	21.2
4 21	11 46.25	− 2 30.7	2.047	2.938	10.9	21.4
5 1	11 42.51	− 1 53.7	2.137	2.944	13.8	21.6
341721	2007 VF_{213}		3 22.4	91.°18	4.°3/17.5	17
2 21	12 27.94	+11 19.8	2.207	3.085	10.0	20.4
3 2	12 22.32	+12 17.0	2.158	3.096	7.1	20.2
3 12	12 15.27	+13 12.1	2.137	3.107	4.8	20.1
3 22	12 7.48	+13 59.1	2.144	3.118	4.6	20.1
4 1	11 59.76	+14 32.9	2.180	3.130	6.8	20.3
4 11	11 52.92	+14 50.1	2.242	3.141	9.6	20.5
4 21	11 47.55	+14 50.0	2.327	3.151	12.2	20.7
5 1	11 44.03	+14 33.1	2.433	3.162	14.4	20.8
87423	2000 QW_{99}		3 22.4	170.°76	2.°1/19.9	16
2 21	12 28.79	+ 3 48.5	2.424	3.290	9.7	21.1
3 2	12 22.87	+ 4 42.3	2.358	3.295	6.7	21.0
3 12	12 15.57	+ 5 40.4	2.319	3.298	3.5	20.8
3 22	12 7.50	+ 6 37.6	2.310	3.301	2.2	20.7
4 1	11 59.41	+ 7 28.7	2.332	3.304	4.8	20.8
4 11	11 52.07	+ 8 9.2	2.382	3.305	7.9	21.0
4 21	11 46.05	+ 8 36.4	2.458	3.306	10.8	21.2
5 1	11 41.80	+ 8 48.9	2.555	3.307	13.3	21.4
5475	Hanskennedy		3 22.4	105.°28	18.°5/ 3.7	18 R
2 21	12 36.90	+36 36.8	1.106	1.962	19.4	17.8
3 2	12 29.95	+39 45.6	1.106	1.976	18.5	17.7
3 12	12 19.62	+42 9.8	1.126	1.990	18.9	17.8
3 22	12 7.64	+43 35.8	1.165	2.003	20.3	17.9
4 1	11 56.18	+43 59.4	1.220	2.016	22.2	18.1
4 11	11 47.13	+43 26.6	1.288	2.029	24.1	18.3
4 21	11 41.53	+42 8.2	1.368	2.041	25.8	18.5
5 1	11 39.69	+40 15.7	1.457	2.053	27.2	18.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
376042	2010 CB_{146}		3 22.4	77.°00	3.°6/18.9	18
	h m	° ′			°	m
2 21	12 30.78	+ 8 6.8	1.920	2.796	11.3	20.9
3 2	12 24.33	+ 8 56.6	1.882	2.821	7.9	20.8
3 12	12 16.30	+ 9 46.2	1.870	2.846	4.6	20.6
3 22	12 7.52	+10 29.3	1.887	2.871	3.8	20.6
4 1	11 58.96	+11 0.3	1.932	2.895	6.4	20.8
4 11	11 51.50	+11 15.9	2.004	2.920	9.6	21.1
4 21	11 45.78	+11 15.0	2.099	2.943	12.6	21.3
5 1	11 42.17	+10 58.0	2.215	2.967	15.0	21.5
327839	2006 WC_{89}		3 22.4	43.°32	20.°2/23.5	18
2 21	12 40.40	+54 30.7	1.518	2.263	20.2	19.4
3 2	12 32.23	+56 22.5	1.540	2.279	20.3	19.4
3 12	12 20.63	+57 26.3	1.577	2.295	20.8	19.5
3 22	12 7.67	+57 36.6	1.627	2.312	21.5	19.6
4 1	11 55.67	+56 54.3	1.689	2.330	22.3	19.7
4 11	11 46.48	+55 26.2	1.762	2.348	23.1	19.9
4 21	11 40.95	+53 21.9	1.844	2.366	23.7	20.0
5 1	11 39.18	+50 50.8	1.933	2.385	24.2	20.1
409005	2002 XQ_{61}		3 22.4	131.°65	0.°6/21.7	18
2 21	12 29.75	− 1 47.1	2.072	2.930	11.4	21.9
3 2	12 23.65	− 0 54.0	2.013	2.945	7.9	21.7
3 12	12 15.99	+ 0 8.4	1.981	2.960	4.0	21.5
3 22	12 7.52	+ 1 14.8	1.978	2.974	0.6	21.3
4 1	11 59.10	+ 2 18.8	2.004	2.987	4.2	21.6
4 11	11 51.60	+ 3 14.4	2.059	2.999	8.0	21.8
4 21	11 45.67	+ 3 57.5	2.140	3.011	11.3	22.0
5 1	11 41.74	+ 4 25.6	2.242	3.022	14.1	22.3
115717	2003 UQ_{174}		3 22.4	49.°36	0.°4/22.7	18
2 21	12 30.12	− 3 52.2	1.336	2.208	15.6	19.6
3 2	12 24.53	− 3 24.4	1.284	2.221	11.0	19.4
3 12	12 16.66	− 2 41.2	1.255	2.233	5.9	19.1
3 22	12 7.54	− 1 48.8	1.250	2.246	0.6	18.8
4 1	11 58.51	− 0 55.4	1.272	2.260	5.0	19.1
4 11	11 50.85	− 0 9.2	1.319	2.274	10.1	19.4
4 21	11 45.47	+ 0 23.8	1.388	2.288	14.4	19.7
5 1	11 42.85	+ 0 40.1	1.477	2.302	18.0	20.0
70744	Maffucci		3 22.4	134.°28	5.°5/28.1	18
2 21	12 30.56	−19 7.8	1.900	2.691	15.1	19.2
3 2	12 24.50	−19 2.1	1.829	2.703	12.1	19.0
3 12	12 16.56	−18 32.1	1.779	2.713	8.8	18.8
3 22	12 7.54	−17 39.0	1.755	2.724	6.2	18.7
4 1	11 58.49	−16 27.5	1.759	2.734	5.8	18.7
4 11	11 50.45	−15 5.3	1.791	2.743	8.1	18.8
4 21	11 44.21	−13 41.0	1.848	2.752	11.2	19.0
5 1	11 40.28	−12 22.6	1.928	2.760	14.2	19.2
426576	2013 SA_{19}		3 22.4	169.°93	0.°2/22.6	17
2 21	12 27.45	− 4 33.5	2.085	2.939	11.6	21.6
3 2	12 22.15	− 3 43.9	2.013	2.941	8.2	21.4
3 12	12 15.27	− 2 41.9	1.967	2.943	4.4	21.2
3 22	12 7.49	− 1 32.4	1.949	2.945	0.3	20.9
4 1	11 59.67	− 0 21.7	1.960	2.946	3.8	21.2
4 11	11 52.66	+ 0 43.6	2.000	2.948	7.7	21.4
4 21	11 47.12	+ 1 38.3	2.066	2.948	11.2	21.6
5 1	11 43.54	+ 2 18.7	2.153	2.949	14.1	21.8
168778	2000 RK_{48}		3 22.4	247.°18	4.°4/26.3	17
2 21	12 31.39	−14 41.0	1.874	2.687	14.4	20.2
3 2	12 25.37	−14 37.3	1.774	2.668	11.3	20.0
3 12	12 17.19	−14 12.0	1.698	2.649	7.8	19.7
3 22	12 7.58	−13 26.1	1.648	2.629	4.8	19.5
4 1	11 57.59	−12 23.5	1.627	2.609	5.1	19.5
4 11	11 48.37	−11 11.2	1.633	2.587	8.5	19.6
4 21	11 40.89	− 9 57.7	1.664	2.565	12.4	19.8
5 1	11 35.85	− 8 50.6	1.718	2.542	15.9	20.0
309238	2007 RV_{10}		3 22.4	134.°17	0.°9/21.5	18
2 21	12 30.83	− 1 34.6	1.797	2.660	12.7	21.6
3 2	12 24.60	− 0 36.4	1.739	2.673	8.8	21.4
3 12	12 16.57	+ 0 32.6	1.706	2.686	4.5	21.2
3 22	12 7.56	+ 1 45.9	1.702	2.698	0.9	21.0
4 1	11 58.61	+ 2 55.9	1.726	2.709	4.8	21.3
4 11	11 50.72	+ 3 55.6	1.779	2.720	9.0	21.5
4 21	11 44.64	+ 4 40.2	1.856	2.730	12.7	21.8
5 1	11 40.83	+ 5 7.5	1.954	2.739	15.7	22.0
11730	Yanhua		3 22.4	28.°20	1.°8/20.8	18
2 21	12 28.07	+ 0 8.0	1.374	2.256	14.5	17.8
3 2	12 23.14	+ 1 10.8	1.316	2.259	10.1	17.5
3 12	12 15.97	+ 2 25.9	1.281	2.263	5.1	17.2
3 22	12 7.54	+ 3 44.7	1.272	2.267	1.9	17.0
4 1	11 59.08	+ 4 57.2	1.289	2.271	6.3	17.3
4 11	11 51.86	+ 5 54.7	1.331	2.275	11.1	17.6
4 21	11 46.79	+ 6 31.8	1.395	2.280	15.4	17.9
5 1	11 44.40	+ 6 46.6	1.478	2.285	18.9	18.1

1222 Tina 3 22.4 269.°47 8.°0/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.80	−28 21.5	2.313	3.036	14.6	16.3
3 2	12 22.67	−28 32.2	2.202	3.013	12.7	16.1
3 12	12 15.71	−28 17.0	2.111	2.990	10.6	15.9
3 22	12 7.53	−27 34.1	2.044	2.967	8.8	15.7
4 1	11 59.03	−26 24.7	2.003	2.943	8.0	15.6
4 11	11 51.16	−24 53.7	1.989	2.919	8.9	15.6
4 21	11 44.78	−23 9.0	2.001	2.895	10.9	15.7
5 1	11 40.51	−21 19.5	2.036	2.870	13.4	15.8

60221 1999 VY_{96} 3 22.4 232.°24 0.°8/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.43	− 0 26.8	2.087	2.951	11.1	19.9
3 2	12 22.89	+ 0 9.2	2.010	2.944	7.8	19.7
3 12	12 15.70	+ 0 53.7	1.959	2.938	4.0	19.5
3 22	12 7.53	+ 1 42.1	1.935	2.931	0.8	19.2
4 1	11 59.26	+ 2 28.7	1.942	2.924	4.3	19.5
4 11	11 51.76	+ 3 8.2	1.976	2.917	8.2	19.7
4 21	11 45.76	+ 3 36.5	2.035	2.910	11.7	19.9
5 1	11 41.75	+ 3 51.2	2.116	2.902	14.6	20.1

470518 2008 CR_{148} 3 22.4 224.°74 3.°1/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.85	−13 2.9	2.550	3.362	11.1	21.4
3 2	12 21.60	−13 0.0	2.463	3.358	8.5	21.2
3 12	12 14.97	−12 42.5	2.401	3.353	5.7	21.0
3 22	12 7.51	−12 12.2	2.367	3.349	3.4	20.8
4 1	11 59.93	−11 32.1	2.362	3.344	3.7	20.8
4 11	11 52.97	−10 46.7	2.386	3.339	6.3	21.0
4 21	11 47.23	−10 1.0	2.436	3.334	9.1	21.2
5 1	11 43.18	− 9 19.6	2.511	3.329	11.7	21.3

181611 2006 WJ_{103} 3 22.4 205.°44 0.°8/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.27	− 5 16.6	1.811	2.666	13.0	21.4
3 2	12 23.66	− 4 44.3	1.736	2.664	9.3	21.1
3 12	12 16.17	− 3 57.8	1.686	2.662	5.1	20.9
3 22	12 7.56	− 3 1.6	1.663	2.659	0.9	20.6
4 1	11 58.83	− 2 2.0	1.669	2.656	4.1	20.8
4 11	11 51.03	− 1 6.2	1.702	2.653	8.5	21.1
4 21	11 44.97	− 0 20.1	1.760	2.650	12.4	21.3
5 1	11 41.18	+ 0 12.3	1.839	2.647	15.7	21.5

20229 1997 XX_4 3 22.4 20.°83 6.°1/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.68	+ 8 28.0	1.175	2.077	14.9	18.3
3 2	12 22.37	+10 12.3	1.131	2.082	10.5	18.0
3 12	12 15.62	+11 59.0	1.110	2.087	6.8	17.8
3 22	12 7.53	+13 34.7	1.113	2.093	6.7	17.8
4 1	11 59.51	+14 47.4	1.140	2.100	10.3	18.1
4 11	11 52.92	+15 29.6	1.189	2.108	14.6	18.3
4 21	11 48.71	+15 39.8	1.258	2.116	18.4	18.6
5 1	11 47.36	+15 20.5	1.342	2.125	21.6	18.8

354856 2005 YU_{203} 3 22.4 39.°33 2.°2/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.78	+ 1 3.9	1.232	2.119	15.6	21.2
3 2	12 24.50	+ 2 0.1	1.179	2.124	10.8	21.0
3 12	12 16.74	+ 3 7.9	1.148	2.130	5.5	20.7
3 22	12 7.58	+ 4 18.0	1.142	2.136	2.3	20.5
4 1	11 58.45	+ 5 20.2	1.161	2.143	6.8	20.8
4 11	11 50.75	+ 6 5.7	1.204	2.149	11.9	21.1
4 21	11 45.46	+ 6 30.0	1.269	2.157	16.4	21.4
5 1	11 43.10	+ 6 31.6	1.351	2.164	20.1	21.6

457444 2008 UW_{125} 3 22.4 175.°77 2.°9/25.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.46	−11 6.5	1.868	2.695	13.9	22.6
3 2	12 25.88	−10 48.4	1.792	2.699	10.4	22.4
3 12	12 17.33	−10 11.6	1.739	2.701	6.6	22.2
3 22	12 7.62	− 9 19.2	1.714	2.703	3.2	21.9
4 1	11 57.80	− 8 16.4	1.717	2.704	4.3	22.0
4 11	11 48.96	− 7 10.7	1.749	2.704	8.1	22.2
4 21	11 41.93	− 6 9.3	1.807	2.703	11.8	22.5
5 1	11 37.27	− 5 18.0	1.887	2.701	15.1	22.7

207856 2007 VM_{52} 3 22.4 300.°23 0.°6/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.86	− 1 44.2	2.022	2.887	11.4	20.8
3 2	12 21.16	− 0 59.6	1.942	2.877	8.0	20.6
3 12	12 14.83	− 0 4.4	1.887	2.867	4.1	20.3
3 22	12 7.52	+ 0 56.3	1.860	2.857	0.6	20.0
4 1	12 0.07	+ 1 56.5	1.862	2.847	4.3	20.3
4 11	11 53.37	+ 2 49.6	1.892	2.837	8.3	20.5
4 21	11 48.14	+ 3 31.1	1.946	2.827	11.8	20.7
5 1	11 44.87	+ 3 57.6	2.022	2.817	14.9	20.9

16418 Lortzing 3 22.4 34.°75 1.°9/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.33	− 1 2.1	1.279	2.164	15.3	17.1
3 2	12 22.75	+ 0 24.1	1.222	2.167	10.6	16.8
3 12	12 15.82	+ 2 6.2	1.188	2.171	5.3	16.5
3 22	12 7.55	+ 3 53.6	1.180	2.174	2.1	16.3
4 1	11 59.26	+ 5 33.9	1.197	2.179	6.7	16.6
4 11	11 52.27	+ 6 56.1	1.239	2.183	11.8	16.9
4 21	11 47.52	+ 7 53.6	1.303	2.187	16.2	17.2
5 1	11 45.55	+ 8 24.2	1.384	2.192	19.9	17.4

424062 2007 CE_{45} 3 22.4 52.°74 7.°5/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.93	−19 53.1	1.599	2.396	17.2	20.6
3 2	12 25.79	−20 38.3	1.536	2.408	14.0	20.4
3 12	12 17.37	−20 57.2	1.493	2.421	10.7	20.3
3 22	12 7.62	−20 49.0	1.474	2.434	8.1	20.1
4 1	11 57.78	−20 16.3	1.481	2.447	7.7	20.1
4 11	11 49.14	−19 26.1	1.513	2.460	9.7	20.3
4 21	11 42.65	−18 27.5	1.568	2.474	12.7	20.5
5 1	11 38.89	−17 29.3	1.645	2.488	15.7	20.7

385924 2006 TS_{113} 3 22.4 291.°15 3.°3/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 24.96	+ 6 49.3	2.208	3.088	9.9	21.1
3 2	12 20.38	+ 8 4.8	2.142	3.084	6.9	20.9
3 12	12 14.35	+ 9 23.6	2.103	3.080	4.1	20.7
3 22	12 7.50	+10 38.9	2.093	3.076	3.6	20.7
4 1	12 0.59	+11 44.2	2.111	3.072	6.2	20.8
4 11	11 54.41	+12 34.5	2.157	3.068	9.3	21.0
4 21	11 49.58	+13 6.7	2.226	3.065	12.2	21.2
5 1	11 46.53	+13 20.3	2.316	3.061	14.6	21.4

410173 2007 PB_{42} 3 22.4 196.°69 1.°2/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.17	− 0 9.3	2.001	2.862	11.7	22.3
3 2	12 24.86	+ 0 44.6	1.925	2.859	8.1	22.1
3 12	12 16.76	+ 1 47.9	1.875	2.855	4.1	21.8
3 22	12 7.61	+ 2 55.0	1.855	2.850	1.2	21.6
4 1	11 58.35	+ 3 58.9	1.864	2.845	4.8	21.8
4 11	11 49.95	+ 4 53.4	1.902	2.838	8.8	22.1
4 21	11 43.19	+ 5 33.9	1.965	2.831	12.4	22.3
5 1	11 38.58	+ 5 58.1	2.049	2.823	15.4	22.5

374377 2005 UM_{387} 3 22.4 196.°41 4.°3/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.57	−17 35.1	2.353	3.143	12.6	22.5
3 2	12 22.93	−17 19.0	2.264	3.140	10.0	22.3
3 12	12 15.71	−16 43.1	2.198	3.137	7.1	22.1
3 22	12 7.56	−15 49.0	2.160	3.133	4.8	22.0
4 1	11 59.29	−14 40.3	2.151	3.128	4.6	21.9
4 11	11 51.72	−13 23.3	2.170	3.122	6.9	22.1
4 21	11 45.56	−12 4.6	2.217	3.117	9.8	22.2
5 1	11 41.28	−10 50.8	2.288	3.110	12.6	22.4

444657 2007 CY_{12} 3 22.4 53.°16 3.°8/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.82	−12 8.1	0.971	1.831	21.0	20.0
3 2	12 27.29	−11 34.9	0.945	1.869	15.5	19.8
3 12	12 18.06	−10 31.2	0.938	1.906	9.5	19.6
3 22	12 7.65	− 9 5.2	0.953	1.944	4.3	19.4
4 1	11 57.84	− 7 29.7	0.993	1.983	5.7	19.6
4 11	11 50.15	− 5 59.0	1.057	2.021	10.7	20.0
4 21	11 45.41	− 4 43.4	1.141	2.058	15.4	20.4
5 1	11 43.92	− 3 48.9	1.245	2.096	19.2	20.8

292750 2006 UT_{177} 3 22.4 149.°61 1.°8/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.88	+ 3 32.3	2.759	3.625	8.6	21.3
3 2	12 20.73	+ 4 23.5	2.696	3.633	5.9	21.1
3 12	12 14.43	+ 5 18.5	2.661	3.640	3.1	20.9
3 22	12 7.52	+ 6 12.9	2.655	3.646	1.9	20.9
4 1	12 0.60	+ 7 2.0	2.680	3.653	4.2	21.0
4 11	11 54.31	+ 7 42.2	2.734	3.659	7.0	21.2
4 21	11 49.14	+ 8 10.9	2.814	3.664	9.6	21.4
5 1	11 45.46	+ 8 26.7	2.916	3.669	11.7	21.6

78291 2002 PH_{51} 3 22.4 191.°27 1.°6/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.71	+ 2 15.7	2.375	3.241	9.9	21.0
3 2	12 22.20	+ 3 0.4	2.304	3.240	6.8	20.8
3 12	12 15.28	+ 3 50.7	2.259	3.238	3.5	20.6
3 22	12 7.55	+ 4 41.8	2.243	3.237	1.6	20.4
4 1	11 59.78	+ 5 28.5	2.257	3.234	4.5	20.6
4 11	11 52.71	+ 6 6.3	2.300	3.232	7.8	20.8
4 21	11 46.96	+ 6 32.2	2.368	3.229	10.8	21.0
5 1	11 42.97	+ 6 44.3	2.459	3.226	13.3	21.2

162614 2000 SJ_{103} 3 22.4 77.°03 0.°9/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.84	− 5 20.9	1.416	2.278	15.5	19.7
3 2	12 25.61	− 4 50.9	1.366	2.297	11.0	19.5
3 12	12 17.19	− 4 4.6	1.340	2.316	6.0	19.2
3 22	12 7.63	− 3 8.0	1.339	2.335	1.1	18.9
4 1	11 58.21	− 2 9.0	1.365	2.353	4.7	19.2
4 11	11 50.18	− 1 16.0	1.417	2.372	9.6	19.6
4 21	11 44.39	− 0 35.1	1.493	2.390	13.8	19.9
5 1	11 41.30	− 0 10.2	1.589	2.408	17.2	20.1

100233 1994 PL_{24} 3 22.4 218.°65 7.°1/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.76	−25 25.1	2.712	3.436	12.7	20.0
3 2	12 25.90	−26 19.5	2.617	3.431	10.8	19.8
3 12	12 17.32	−26 55.5	2.545	3.425	8.9	19.7
3 22	12 7.64	−27 11.1	2.499	3.419	7.5	19.6
4 1	11 57.67	−27 6.4	2.481	3.413	7.1	19.6
4 11	11 48.29	−26 44.3	2.491	3.407	8.0	19.6
4 21	11 40.24	−26 9.7	2.528	3.400	9.7	19.7
5 1	11 34.11	−25 28.5	2.588	3.394	11.7	19.8

124701 2001 SG_{144} 3 22.4 67.°74 1.°7/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 35.29	− 5 15.3	1.264	2.128	16.9	19.3
3 2	12 28.21	− 5 19.0	1.217	2.147	12.1	19.1
3 12	12 18.61	− 5 6.2	1.191	2.166	6.8	18.9
3 22	12 7.69	− 4 41.3	1.191	2.186	1.9	18.6
4 1	11 56.95	− 4 10.8	1.217	2.205	5.1	18.9
4 11	11 47.84	− 3 42.3	1.268	2.225	10.2	19.2
4 21	11 41.33	− 3 22.0	1.342	2.244	14.6	19.5
5 1	11 37.88	− 3 14.0	1.435	2.264	18.3	19.8

46366 2001 UA_{66} 3 22.4 262.°27 4.°1/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.39	−14 39.0	1.920	2.737	14.0	19.0
3 2	12 23.17	−14 28.9	1.826	2.722	10.9	18.8
3 12	12 16.00	−13 57.6	1.755	2.707	7.5	18.5
3 22	12 7.60	−13 6.6	1.710	2.692	4.6	18.3
4 1	11 58.92	−12 0.1	1.693	2.676	4.8	18.3
4 11	11 51.01	−10 45.4	1.704	2.660	8.0	18.4
4 21	11 44.74	− 9 30.4	1.740	2.644	11.7	18.6
5 1	11 40.72	− 8 22.6	1.798	2.628	15.1	18.8

271116 2003 ST_2 3 22.4 247.°95 0.°2/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 24.09	− 4 2.4	2.772	3.622	9.1	21.5
3 2	12 19.57	− 3 23.4	2.689	3.616	6.5	21.3
3 12	12 13.88	− 2 35.3	2.633	3.609	3.5	21.1
3 22	12 7.52	− 1 41.7	2.605	3.602	0.3	20.8
4 1	12 1.07	− 0 46.7	2.608	3.595	3.0	21.1
4 11	11 55.17	+ 0 5.1	2.641	3.587	6.1	21.3
4 21	11 50.32	+ 0 49.8	2.700	3.580	8.9	21.4
5 1	11 46.92	+ 1 24.6	2.782	3.573	11.4	21.6

455510 2003 WC_{40} 3 22.4 120.°23 2.°2/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.22	− 9 23.6	1.796	2.634	13.9	22.0
3 2	12 24.94	− 8 59.7	1.734	2.649	10.2	21.8
3 12	12 16.79	− 8 18.5	1.696	2.663	6.1	21.6
3 22	12 7.64	− 7 23.9	1.684	2.677	2.5	21.3
4 1	11 58.51	− 6 22.1	1.702	2.690	4.1	21.5
4 11	11 50.46	− 5 20.3	1.747	2.702	8.0	21.7
4 21	11 44.25	− 4 25.2	1.818	2.714	11.7	22.0
5 1	11 40.35	− 3 41.8	1.911	2.726	14.9	22.2

204263 2004 FG_{30} 3 22.4 36.°06 10.°0/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.65	+24 59.1	1.731	2.608	12.4	18.7
3 2	12 21.81	+26 55.6	1.711	2.622	10.6	18.6
3 12	12 15.14	+28 34.8	1.715	2.636	10.0	18.6
3 22	12 7.56	+29 47.6	1.744	2.651	11.0	18.7
4 1	12 0.15	+30 28.3	1.796	2.667	12.9	18.9
4 11	11 53.91	+30 35.8	1.869	2.683	15.0	19.0
4 21	11 49.55	+30 13.0	1.961	2.699	17.0	19.2
5 1	11 47.46	+29 24.4	2.067	2.716	18.7	19.4

90576 2004 GA_{29} 3 22.4 76.°09 0.°9/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 24.69	− 7 4.7	2.221	3.068	11.2	20.2
3 2	12 20.19	− 6 11.6	2.147	3.070	8.1	20.0
3 12	12 14.26	− 5 4.7	2.098	3.072	4.5	19.7
3 22	12 7.53	− 3 48.3	2.078	3.073	1.0	19.5
4 1	12 0.76	− 2 28.7	2.087	3.075	3.4	19.7
4 11	11 54.71	− 1 12.5	2.125	3.077	7.0	19.9
4 21	11 49.99	− 0 5.3	2.189	3.078	10.3	20.1
5 1	11 47.04	+ 0 48.8	2.276	3.080	13.2	20.3

113234 2002 RJ_{123} 3 22.4 191.°25 3.°7/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.70	+ 7 20.1	1.892	2.768	11.5	20.0
3 2	12 24.58	+ 8 21.1	1.827	2.767	8.0	19.8
3 12	12 16.63	+ 9 24.6	1.789	2.766	4.7	19.6
3 22	12 7.64	+10 23.4	1.779	2.764	4.0	19.5
4 1	11 58.61	+11 10.6	1.798	2.762	6.8	19.7
4 11	11 50.53	+11 41.3	1.843	2.759	10.4	19.9
4 21	11 44.19	+11 53.0	1.912	2.756	13.7	20.1
5 1	11 40.07	+11 45.8	2.000	2.752	16.4	20.3

432471 2010 DX_{27} 3 22.4 238.°36 0.°1/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 24.83	− 4 45.7	2.604	3.452	9.7	21.3
3 2	12 20.18	− 3 45.7	2.515	3.441	6.9	21.1
3 12	12 14.24	− 2 34.2	2.453	3.429	3.7	20.9
3 22	12 7.55	− 1 15.6	2.421	3.417	0.2	20.5
4 1	12 0.74	+ 0 4.6	2.419	3.405	3.3	20.8
4 11	11 54.49	+ 1 20.7	2.447	3.392	6.7	21.0
4 21	11 49.37	+ 2 27.7	2.502	3.379	9.7	21.2
5 1	11 45.81	+ 3 22.0	2.581	3.365	12.3	21.3

124931 2001 TE_{72} 3 22.4 120.°44 2.°7/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.32	+ 3 12.7	1.575	2.451	13.4	20.7
3 2	12 25.82	+ 4 16.1	1.524	2.465	9.2	20.5
3 12	12 17.28	+ 5 26.0	1.498	2.478	4.9	20.3
3 22	12 7.67	+ 6 34.5	1.500	2.491	2.9	20.2
4 1	11 58.17	+ 7 33.0	1.529	2.504	6.4	20.4
4 11	11 49.92	+ 8 15.3	1.585	2.516	10.6	20.7
4 21	11 43.75	+ 8 38.2	1.664	2.527	14.4	20.9
5 1	11 40.11	+ 8 41.1	1.762	2.538	17.5	21.2

344613 2003 FB_1 3 22.4 45.°00 11.°8/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.62	+34 54.5	1.999	2.840	12.6	19.2
3 2	12 22.48	+37 2.4	1.992	2.852	11.8	19.2
3 12	12 15.51	+38 46.2	2.008	2.865	12.0	19.2
3 22	12 7.59	+39 58.3	2.047	2.878	13.0	19.3
4 1	11 59.81	+40 34.8	2.108	2.891	14.4	19.4
4 11	11 53.19	+40 36.2	2.186	2.905	15.9	19.6
4 21	11 48.43	+40 6.4	2.280	2.919	17.3	19.7
5 1	11 45.96	+39 10.7	2.386	2.933	18.4	19.9

166582 2002 RP_{149} 3 22.4 157.°89 0.°3/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.59	− 4 0.5	2.382	3.231	10.5	21.1
3 2	12 22.11	− 3 29.8	2.310	3.236	7.4	20.9
3 12	12 15.24	− 2 49.4	2.264	3.240	4.0	20.7
3 22	12 7.60	− 2 2.9	2.247	3.244	0.5	20.4
4 1	11 59.92	− 1 15.1	2.260	3.247	3.4	20.7
4 11	11 52.96	− 0 30.9	2.303	3.250	6.8	20.9
4 21	11 47.32	+ 0 5.7	2.371	3.253	10.0	21.1
5 1	11 43.41	+ 0 31.7	2.462	3.255	12.6	21.3

435986 2009 EO_8 3 22.4 286.°36 0.°6/22.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.30	− 2 29.7	2.217	3.066	11.2	20.8
3 2	12 25.68	− 2 41.9	2.122	3.047	8.0	20.5
3 12	12 17.26	− 2 46.8	2.053	3.028	4.4	20.3
3 22	12 7.69	− 2 46.5	2.013	3.009	0.7	19.9
4 1	11 57.86	− 2 43.9	2.004	2.991	3.7	20.1
4 11	11 48.71	− 2 42.7	2.024	2.972	7.6	20.3
4 21	11 41.02	− 2 46.0	2.070	2.953	11.1	20.5
5 1	11 35.38	− 2 56.5	2.138	2.934	14.2	20.7

204197 2004 BE_{121} 3 22.4 34.°46 1.°2/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.42	+ 0 28.8	1.673	2.549	12.8	20.2
3 2	12 22.33	+ 1 5.7	1.622	2.562	8.8	20.0
3 12	12 15.44	+ 1 51.0	1.595	2.576	4.5	19.8
3 22	12 7.61	+ 2 38.5	1.594	2.590	1.3	19.6
4 1	11 59.86	+ 3 21.8	1.622	2.605	5.0	19.8
4 11	11 53.19	+ 3 54.9	1.675	2.620	9.2	20.1
4 21	11 48.31	+ 4 14.1	1.752	2.635	12.8	20.4
5 1	11 45.66	+ 4 17.9	1.849	2.652	15.8	20.6

130079 1999 WW_2 3 22.4 176.°93 1.°9/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.88	+ 2 22.1	2.034	2.900	11.3	20.1
3 2	12 24.60	+ 3 13.7	1.966	2.903	7.8	19.8
3 12	12 16.61	+ 4 11.8	1.925	2.905	4.0	19.6
3 22	12 7.67	+ 5 10.6	1.913	2.906	2.0	19.5
4 1	11 58.69	+ 6 3.6	1.930	2.906	5.2	19.7
4 11	11 50.59	+ 6 45.4	1.975	2.906	8.9	19.9
4 21	11 44.12	+ 7 12.5	2.046	2.905	12.3	20.1
5 1	11 39.73	+ 7 23.6	2.137	2.904	15.1	20.3

289830 2005 LC_{11} 3 22.4 335.°94 4.°0/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.83	+ 8 13.5	2.002	2.885	10.6	20.2
3 2	12 21.12	+ 9 27.4	1.940	2.882	7.4	20.0
3 12	12 14.81	+10 43.3	1.904	2.879	4.6	19.8
3 22	12 7.59	+11 53.9	1.896	2.877	4.3	19.8
4 1	12 0.34	+12 52.3	1.917	2.875	6.9	19.9
4 11	11 53.91	+13 33.4	1.963	2.873	10.1	20.1
4 21	11 48.98	+13 54.7	2.033	2.871	13.2	20.3
5 1	11 46.02	+13 56.1	2.122	2.870	15.7	20.5

153888 2001 XU_{178} 3 22.4 21.°74 0.°1/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.13	− 3 9.8	1.470	2.343	14.3	19.5
3 2	12 22.40	− 2 30.8	1.410	2.348	10.1	19.3
3 12	12 15.60	− 1 37.5	1.374	2.354	5.3	19.0
3 22	12 7.63	− 0 36.3	1.364	2.360	0.2	18.6
4 1	11 59.65	+ 0 24.7	1.380	2.367	4.9	19.0
4 11	11 52.81	+ 1 17.5	1.421	2.374	9.7	19.3
4 21	11 47.96	+ 1 56.2	1.486	2.382	13.9	19.5
5 1	11 45.62	+ 2 17.3	1.570	2.390	17.3	19.8

133924 2004 SX_{23} 3 22.4 13.°47 0.°4/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.83	− 3 13.5	1.109	1.996	16.9	19.7
3 2	12 22.67	− 2 25.6	1.054	1.999	11.9	19.4
3 12	12 15.91	− 1 18.9	1.020	2.002	6.2	19.1
3 22	12 7.65	− 0 2.0	1.010	2.006	0.4	18.7
4 1	11 59.35	+ 1 13.9	1.023	2.011	6.0	19.1
4 11	11 52.49	+ 2 17.5	1.060	2.018	11.6	19.5
4 21	11 48.12	+ 3 1.5	1.118	2.025	16.6	19.8
5 1	11 46.78	+ 3 22.1	1.193	2.033	20.6	20.0

61958 2000 RR_{19} 3 22.4 200.°82 4.°6/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.07	−14 52.6	1.893	2.706	14.3	18.3
3 2	12 24.29	−15 4.4	1.813	2.706	11.2	18.0
3 12	12 16.57	−14 56.4	1.757	2.705	7.8	17.8
3 22	12 7.69	−14 29.4	1.726	2.704	5.1	17.7
4 1	11 58.63	−13 47.0	1.723	2.703	5.2	17.7
4 11	11 50.47	−12 55.4	1.747	2.702	8.0	17.8
4 21	11 44.03	−12 1.7	1.797	2.701	11.4	18.0
5 1	11 39.90	−11 12.6	1.869	2.700	14.6	18.2

249556 2010 KX_{29} 3 22.4 280.°07 9.°4/ 2.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.91	−32 25.2	2.524	3.206	14.5	20.2
3 2	12 24.19	−33 21.0	2.421	3.189	12.9	20.0
3 12	12 16.58	−33 53.7	2.337	3.173	11.3	19.9
3 22	12 7.70	−34 0.5	2.276	3.156	10.0	19.7
4 1	11 58.41	−33 40.7	2.240	3.140	9.4	19.7
4 11	11 49.72	−32 56.9	2.229	3.123	9.8	19.7
4 21	11 42.48	−31 54.8	2.241	3.107	11.1	19.7
5 1	11 37.34	−30 41.8	2.277	3.090	12.9	19.8

432168 2009 BT_{179} 3 22.4 188.°94 4.°1/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.54	−16 18.7	2.437	3.233	12.0	21.8
3 2	12 22.18	−16 15.0	2.351	3.232	9.4	21.6
3 12	12 15.34	−15 54.0	2.290	3.232	6.7	21.5
3 22	12 7.64	−15 16.9	2.257	3.230	4.5	21.3
4 1	11 59.82	−14 26.9	2.251	3.229	4.4	21.3
4 11	11 52.69	−13 29.2	2.275	3.227	6.6	21.4
4 21	11 46.87	−12 29.5	2.325	3.225	9.4	21.6
5 1	11 42.84	−11 33.5	2.400	3.223	12.0	21.8

204735 2006 HX_{67} 3 22.4 174.°41 0.°2/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.07	− 2 8.7	2.250	3.106	10.7	21.1
3 2	12 22.54	− 1 36.5	2.177	3.108	7.5	20.9
3 12	12 15.51	− 0 55.5	2.131	3.109	3.9	20.7
3 22	12 7.65	− 0 9.6	2.113	3.110	0.2	20.3
4 1	11 59.73	+ 0 36.0	2.125	3.110	3.8	20.7
4 11	11 52.57	+ 1 16.4	2.166	3.110	7.4	20.9
4 21	11 46.80	+ 1 47.6	2.232	3.110	10.6	21.1
5 1	11 42.87	+ 2 7.1	2.321	3.110	13.4	21.3

50806 2000 FH_{28} 3 22.4 92.°67 2.°0/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.67	−10 46.5	2.111	2.944	12.3	18.6
3 2	12 20.92	− 9 59.0	2.041	2.953	9.1	18.4
3 12	12 14.68	− 8 54.3	1.996	2.961	5.5	18.2
3 22	12 7.61	− 7 36.7	1.978	2.970	2.3	18.0
4 1	12 0.54	− 6 12.4	1.990	2.978	3.5	18.1
4 11	11 54.27	− 4 48.6	2.030	2.986	7.0	18.3
4 21	11 49.44	− 3 32.0	2.097	2.994	10.3	18.6
5 1	11 46.48	− 2 27.6	2.187	3.003	13.2	18.8

227458 2005 WB_{103} 3 22.4 203.°85 2.°5/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.62	−11 18.8	2.321	3.142	11.7	21.0
3 2	12 22.98	−10 53.1	2.234	3.138	8.8	20.8
3 12	12 15.79	−10 11.5	2.172	3.132	5.6	20.6
3 22	12 7.67	− 9 16.7	2.138	3.126	2.8	20.4
4 1	11 59.42	− 8 13.1	2.133	3.120	3.6	20.5
4 11	11 51.87	− 7 6.8	2.159	3.112	6.8	20.6
4 21	11 45.70	− 6 3.7	2.211	3.105	10.0	20.8
5 1	11 41.38	− 5 8.9	2.286	3.096	12.9	21.0

244564 2002 VF_{116} 3 22.4 72.°38 7.°1/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.68	−20 2.7	1.626	2.418	17.2	19.7
3 2	12 26.88	−20 33.7	1.573	2.443	13.9	19.5
3 12	12 17.90	−20 37.8	1.541	2.469	10.4	19.4
3 22	12 7.76	−20 15.1	1.533	2.494	7.7	19.3
4 1	11 57.72	−19 29.5	1.551	2.519	7.2	19.3
4 11	11 48.99	−18 29.0	1.596	2.544	9.2	19.5
4 21	11 42.46	−17 22.8	1.665	2.569	12.2	19.7
5 1	11 38.59	−16 19.4	1.756	2.593	15.1	19.9

500001 2011 PX_{10} 3 22.4 191.°99 3.°2/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.22	+ 9 3.5	2.505	3.378	9.2	21.4
3 2	12 22.52	+ 9 46.7	2.440	3.377	6.4	21.2
3 12	12 15.46	+10 29.8	2.401	3.375	4.0	21.0
3 22	12 7.66	+11 8.2	2.392	3.374	3.5	21.0
4 1	11 59.84	+11 37.2	2.412	3.372	5.6	21.1
4 11	11 52.73	+11 53.6	2.461	3.370	8.4	21.3
4 21	11 46.89	+11 55.9	2.534	3.368	11.0	21.4
5 1	11 42.76	+11 43.8	2.628	3.365	13.3	21.6

209437 2004 FB_{70} 3 22.4 336.°34 0.°5/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.83	− 4 38.1	2.082	2.938	11.5	20.4
3 2	12 21.11	− 4 2.6	2.007	2.935	8.2	20.2
3 12	12 14.82	− 3 15.2	1.957	2.933	4.4	20.0
3 22	12 7.64	− 2 19.9	1.934	2.931	0.6	19.7
4 1	12 0.37	− 1 22.6	1.941	2.928	3.7	19.9
4 11	11 53.86	− 0 29.1	1.975	2.926	7.5	20.2
4 21	11 48.78	+ 0 15.4	2.035	2.924	11.0	20.4
5 1	11 45.61	+ 0 47.5	2.117	2.923	14.0	20.6

465410 2008 JN_{40} 3 22.4 304.°44 1.°6/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.88	− 0 54.4	1.589	2.466	13.2	21.2
3 2	12 21.58	+ 0 20.7	1.512	2.453	9.2	21.0
3 12	12 15.25	+ 1 50.4	1.459	2.440	4.7	20.7
3 22	12 7.66	+ 3 26.6	1.433	2.428	1.7	20.4
4 1	11 59.86	+ 4 59.7	1.434	2.415	5.8	20.7
4 11	11 52.99	+ 6 20.0	1.461	2.403	10.5	20.9
4 21	11 47.94	+ 7 20.8	1.512	2.391	14.7	21.1
5 1	11 45.30	+ 7 58.6	1.581	2.380	18.2	21.3

131270 2001 FY_{59} 3 22.4 85.°38 0.°9/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.25	+ 0 6.8	1.929	2.795	11.8	20.0
3 2	12 23.51	+ 0 36.1	1.865	2.801	8.2	19.8
3 12	12 16.07	+ 1 13.2	1.827	2.807	4.2	19.5
3 22	12 7.69	+ 1 53.2	1.817	2.812	0.9	19.3
4 1	11 59.31	+ 2 30.6	1.835	2.818	4.5	19.6
4 11	11 51.85	+ 3 0.3	1.881	2.824	8.4	19.8
4 21	11 46.03	+ 3 18.5	1.951	2.829	11.9	20.0
5 1	11 42.32	+ 3 23.4	2.043	2.835	14.9	20.2

207472 2006 HT_{6} 3 22.4 316.°48 3.°6/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.49	−11 33.1	1.376	2.224	16.7	19.6
3 2	12 23.71	−11 18.5	1.300	2.218	12.7	19.3
3 12	12 16.48	−10 39.1	1.246	2.211	8.1	19.1
3 22	12 7.72	− 9 38.0	1.216	2.205	4.1	18.8
4 1	11 58.71	− 8 22.1	1.211	2.200	5.2	18.9
4 11	11 50.84	− 7 1.8	1.232	2.194	9.8	19.1
4 21	11 45.17	− 5 47.4	1.275	2.189	14.4	19.3
5 1	11 42.37	− 4 46.9	1.339	2.184	18.4	19.6

301072 2008 UZ_{190} 3 22.4 343.°31 1.°9/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.99	− 0 4.4	1.149	2.040	16.1	20.5
3 2	12 23.55	+ 0 51.0	1.087	2.034	11.3	20.2
3 12	12 16.45	+ 2 1.4	1.046	2.029	5.8	19.9
3 22	12 7.72	+ 3 17.7	1.029	2.025	1.9	19.6
4 1	11 58.83	+ 4 28.7	1.037	2.021	6.9	19.9
4 11	11 51.30	+ 5 23.6	1.068	2.018	12.5	20.2
4 21	11 46.24	+ 5 56.1	1.119	2.016	17.4	20.5
5 1	11 44.29	+ 6 3.8	1.187	2.014	21.4	20.7

226000 2002 DK_{11} 3 22.4 151.°67 4.°5/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.92	+ 8 30.3	2.149	3.028	10.2	19.9
3 2	12 21.79	+10 39.8	2.095	3.034	7.2	19.7
3 12	12 15.14	+12 51.5	2.070	3.041	4.8	19.6
3 22	12 7.66	+14 56.0	2.075	3.047	5.0	19.6
4 1	12 0.15	+16 44.8	2.110	3.052	7.6	19.8
4 11	11 53.45	+18 11.5	2.173	3.057	10.5	20.0
4 21	11 48.18	+19 13.5	2.260	3.061	13.2	20.2
5 1	11 44.80	+19 51.0	2.365	3.066	15.5	20.4

120248 2004 FR_{140} 3 22.4 286.°25 4.°0/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.77	−10 30.9	1.322	2.172	17.1	19.9
3 2	12 26.25	−10 41.3	1.240	2.159	13.1	19.6
3 12	12 17.95	−10 29.2	1.180	2.146	8.4	19.3
3 22	12 7.79	− 9 56.0	1.143	2.132	4.3	19.0
4 1	11 57.20	− 9 7.0	1.132	2.119	5.7	19.1
4 11	11 47.73	− 8 11.0	1.145	2.106	10.5	19.3
4 21	11 40.64	− 7 17.7	1.181	2.093	15.4	19.5
5 1	11 36.74	− 6 35.2	1.236	2.081	19.7	19.7

155546 1999 TP_{310} 3 22.4 226.°56 0.°2/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.55	− 3 39.0	2.325	3.175	10.7	21.4
3 2	12 22.94	− 3 3.8	2.238	3.164	7.6	21.2
3 12	12 15.78	− 2 18.1	2.177	3.153	4.0	21.0
3 22	12 7.70	− 1 25.7	2.145	3.142	0.3	20.6
4 1	11 59.46	− 0 31.7	2.143	3.129	3.6	20.9
4 11	11 51.89	+ 0 18.5	2.171	3.116	7.3	21.1
4 21	11 45.66	+ 1 0.3	2.224	3.103	10.6	21.3
5 1	11 41.26	+ 1 30.5	2.300	3.089	13.5	21.4

148690 2001 SV_{247} 3 22.4 204.°19 1.°3/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.94	+ 0 19.0	1.850	2.719	12.1	20.5
3 2	12 23.42	+ 1 7.9	1.780	2.718	8.4	20.3
3 12	12 16.09	+ 2 6.0	1.735	2.716	4.3	20.0
3 22	12 7.71	+ 3 7.4	1.718	2.714	1.4	19.8
4 1	11 59.25	+ 4 5.1	1.730	2.711	5.0	20.1
4 11	11 51.70	+ 4 52.6	1.769	2.709	9.1	20.3
4 21	11 45.84	+ 5 25.8	1.832	2.706	12.8	20.5
5 1	11 42.16	+ 5 42.1	1.916	2.703	15.9	20.7

435009 2006 VM_{17} 3 22.4 233.°03 3.°2/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.70	−13 58.6	2.480	3.291	11.4	21.5
3 2	12 20.88	−13 40.1	2.392	3.286	8.8	21.3
3 12	12 14.68	−13 5.3	2.329	3.281	5.9	21.1
3 22	12 7.65	−12 16.3	2.294	3.276	3.5	20.9
4 1	12 0.52	−11 16.9	2.288	3.271	3.7	20.9
4 11	11 54.02	−10 12.5	2.310	3.266	6.3	21.1
4 21	11 48.75	− 9 8.7	2.360	3.260	9.2	21.2
5 1	11 45.17	− 8 10.8	2.433	3.255	11.9	21.4

505900 2015 DT_{213} 3 22.4 260.°71 5.°3/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.36	+15 30.7	2.427	3.302	9.3	21.3
3 2	12 22.06	+16 38.5	2.358	3.288	7.0	21.2
3 12	12 15.30	+17 42.7	2.316	3.274	5.5	21.0
3 22	12 7.68	+18 37.0	2.302	3.259	5.8	21.0
4 1	11 59.97	+19 16.0	2.316	3.244	7.7	21.1
4 11	11 52.94	+19 36.3	2.357	3.229	10.3	21.3
4 21	11 47.22	+19 36.9	2.420	3.214	12.7	21.4
5 1	11 43.28	+19 18.6	2.503	3.198	14.8	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
195660	2002 NB_{63}		3 22.4	240.°59	1.°2/21.2	17
	h m	° ′			°	m
2 21	12 28.11	+ 0 41.2	2.107	2.974	10.9	21.2
3 2	12 22.70	+ 1 19.5	2.032	2.968	7.6	20.9
3 12	12 15.67	+ 2 5.3	1.982	2.962	3.9	20.7
3 22	12 7.70	+ 2 53.8	1.961	2.956	1.2	20.5
4 1	11 59.63	+ 3 39.4	1.969	2.950	4.5	20.7
4 11	11 52.33	+ 4 16.8	2.004	2.943	8.3	20.9
4 21	11 46.50	+ 4 42.3	2.065	2.937	11.6	21.1
5 1	11 42.63	+ 4 53.8	2.147	2.930	14.5	21.3
74202	1998 RL_{56}		3 22.5	233.°94	1.°9/23.9	18
2 21	12 33.48	− 6 12.9	1.783	2.628	13.6	19.0
3 2	12 26.79	− 6 21.1	1.701	2.622	10.0	18.8
3 12	12 17.97	− 6 16.2	1.644	2.615	5.8	18.5
3 22	12 7.82	− 6 0.5	1.615	2.608	2.1	18.3
4 1	11 57.44	− 5 38.0	1.614	2.601	4.3	18.4
4 11	11 48.01	− 5 14.4	1.640	2.594	8.6	18.6
4 21	11 40.45	− 4 54.7	1.692	2.586	12.6	18.9
5 1	11 35.39	− 4 43.5	1.765	2.578	16.0	19.1
82350	2001 LF_{19}		3 22.5	180.°98	3.°7/27.1	18
2 21	12 27.29	−15 55.2	2.608	3.404	11.3	19.4
3 2	12 21.93	−15 47.3	2.523	3.405	8.9	19.3
3 12	12 15.21	−15 23.1	2.463	3.405	6.3	19.1
3 22	12 7.69	−14 44.2	2.430	3.405	4.1	19.0
4 1	12 0.09	−13 53.7	2.426	3.405	4.1	19.0
4 11	11 53.11	−12 56.5	2.452	3.404	6.2	19.1
4 21	11 47.37	−11 57.9	2.504	3.403	8.8	19.3
5 1	11 43.30	−11 2.9	2.581	3.401	11.3	19.4
379360	2009 WJ_{180}		3 22.5	203.°28	0.°2/22.7	17
2 21	12 28.38	− 4 3.1	2.239	3.090	11.0	22.0
3 2	12 22.83	− 3 22.6	2.159	3.086	7.8	21.8
3 12	12 15.72	− 2 30.9	2.105	3.082	4.2	21.5
3 22	12 7.72	− 1 32.2	2.080	3.077	0.3	21.2
4 1	11 59.61	− 0 32.0	2.085	3.071	3.7	21.5
4 11	11 52.22	+ 0 23.8	2.119	3.065	7.4	21.7
4 21	11 46.23	+ 1 10.5	2.179	3.059	10.8	21.9
5 1	11 42.12	+ 1 44.7	2.261	3.052	13.6	22.1
354773	2005 UV_{112}		3 22.5	160.°58	1.°0/23.4	18
2 21	12 33.01	− 6 10.9	1.788	2.635	13.5	22.5
3 2	12 26.29	− 5 36.7	1.720	2.642	9.7	22.3
3 12	12 17.61	− 4 47.4	1.676	2.649	5.4	22.1
3 22	12 7.80	− 3 47.7	1.660	2.655	1.2	21.8
4 1	11 57.96	− 2 44.2	1.673	2.661	4.2	22.0
4 11	11 49.18	− 1 44.3	1.715	2.665	8.5	22.3
4 21	11 42.28	− 0 54.2	1.781	2.668	12.4	22.5
5 1	11 37.78	− 0 17.9	1.869	2.671	15.7	22.7
243308	2008 KJ_{30}		3 22.5	193.°05	0.°9/21.3	17
2 21	12 27.31	− 1 40.0	2.360	3.218	10.3	21.6
3 2	12 21.99	− 0 27.3	2.283	3.216	7.1	21.4
3 12	12 15.26	+ 0 55.4	2.234	3.213	3.6	21.1
3 22	12 7.70	+ 2 22.6	2.214	3.210	0.9	20.9
4 1	12 0.07	+ 3 47.7	2.225	3.206	4.1	21.1
4 11	11 53.12	+ 5 4.3	2.266	3.201	7.7	21.4
4 21	11 47.48	+ 6 7.7	2.333	3.196	10.8	21.5
5 1	11 43.59	+ 6 55.1	2.422	3.190	13.5	21.7
204893	2007 TD_{355}		3 22.5	114.°75	4.°7/16.8	18
2 21	12 27.87	+12 38.9	2.294	3.171	9.7	20.1
3 2	12 22.32	+13 45.3	2.246	3.181	7.0	20.0
3 12	12 15.38	+14 48.6	2.225	3.192	5.0	19.9
3 22	12 7.71	+15 42.9	2.233	3.202	5.0	19.9
4 1	12 0.10	+16 22.9	2.270	3.212	7.1	20.0
4 11	11 53.32	+16 45.3	2.333	3.221	9.7	20.2
4 21	11 47.95	+16 49.4	2.419	3.231	12.2	20.4
5 1	11 44.39	+16 36.0	2.525	3.240	14.3	20.6
190828	2001 SJ_{47}		3 22.5	216.°01	2.°4/20.5	18
2 21	12 33.38	+ 3 9.7	1.663	2.535	13.0	20.7
3 2	12 26.77	+ 3 53.7	1.590	2.529	9.1	20.4
3 12	12 17.96	+ 4 44.9	1.542	2.522	4.8	20.2
3 22	12 7.83	+ 5 36.5	1.521	2.514	2.5	20.0
4 1	11 57.54	+ 6 21.1	1.529	2.506	6.1	20.2
4 11	11 48.30	+ 6 52.3	1.564	2.497	10.6	20.4
4 21	11 41.06	+ 7 6.7	1.622	2.488	14.6	20.6
5 1	11 36.40	+ 7 2.7	1.699	2.478	17.9	20.9
211500	2003 PD_{9}		3 22.5	236.°08	2.°2/20.3	17
2 21	12 30.15	+ 1 46.1	1.859	2.729	12.0	21.3
3 2	12 24.40	+ 2 54.9	1.777	2.715	8.3	21.0
3 12	12 16.70	+ 4 13.6	1.720	2.700	4.4	20.7
3 22	12 7.78	+ 5 35.1	1.692	2.685	2.3	20.5
4 1	11 58.63	+ 6 51.2	1.693	2.669	5.8	20.7
4 11	11 50.32	+ 7 54.4	1.722	2.652	10.0	20.9
4 21	11 43.70	+ 8 39.8	1.774	2.635	13.8	21.1
5 1	11 39.36	+ 9 5.1	1.847	2.617	17.0	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
350736	2001 YO_{17}		3 22.5	162.°02	7.°1/ 9.7	18
	h m	° ′			°	m
2 21	12 30.42	+31 56.0	3.433	4.258	8.2	23.0
3 2	12 23.80	+32 58.4	3.403	4.266	7.3	22.9
3 12	12 16.06	+33 48.0	3.400	4.273	7.2	22.9
3 22	12 7.74	+34 20.8	3.424	4.279	7.7	23.0
4 1	11 59.51	+34 34.1	3.475	4.285	8.7	23.1
4 11	11 51.98	+34 27.5	3.549	4.290	9.9	23.2
4 21	11 45.65	+34 2.3	3.643	4.295	11.1	23.3
5 1	11 40.85	+33 20.8	3.755	4.299	12.1	23.4
83171	2001 QP_{283}		3 22.5	21.°82	4.°8/16.7	18
2 21	12 26.45	+11 30.8	2.089	2.971	10.3	19.2
3 2	12 21.52	+12 49.2	2.032	2.971	7.4	19.0
3 12	12 15.03	+14 6.3	2.003	2.972	5.2	18.9
3 22	12 7.70	+15 15.0	2.001	2.972	5.3	18.9
4 1	12 0.35	+16 8.7	2.028	2.973	7.6	19.0
4 11	11 53.82	+16 43.2	2.080	2.973	10.5	19.2
4 21	11 48.77	+16 56.8	2.155	2.973	13.2	19.4
5 1	11 45.64	+16 50.3	2.249	2.974	15.5	19.6
196984	2003 UQ_{79}		3 22.5	146.°86	2.°1/24.8	18
2 21	12 27.58	− 9 38.6	2.183	3.016	11.9	20.1
3 2	12 22.27	− 9 14.6	2.109	3.021	8.8	19.9
3 12	12 15.43	− 8 35.7	2.059	3.025	5.4	19.7
3 22	12 7.72	− 7 44.9	2.037	3.028	2.3	19.5
4 1	11 59.95	− 6 47.3	2.044	3.032	3.5	19.6
4 11	11 52.95	− 5 48.7	2.080	3.035	6.9	19.8
4 21	11 47.39	− 4 54.7	2.142	3.038	10.2	20.0
5 1	11 43.72	− 4 10.0	2.227	3.041	13.1	20.2
166260	2002 GF_{65}		3 22.5	274.°72	0.°8/21.9	17
2 21	12 32.58	− 0 7.8	1.525	2.396	14.1	19.8
3 2	12 26.44	+ 0 11.0	1.446	2.384	9.9	19.5
3 12	12 17.90	+ 0 40.0	1.391	2.371	5.2	19.2
3 22	12 7.83	+ 1 13.9	1.362	2.359	0.8	18.9
4 1	11 57.49	+ 1 46.3	1.361	2.346	5.4	19.2
4 11	11 48.20	+ 2 10.5	1.386	2.333	10.4	19.4
4 21	11 41.02	+ 2 21.7	1.433	2.320	14.9	19.6
5 1	11 36.61	+ 2 17.4	1.500	2.308	18.6	19.9
293705	2007 QK		3 22.5	291.°79	11.°7/ 1.9	18
2 21	12 31.80	−33 9.6	2.047	2.738	17.2	20.3
3 2	12 26.02	−34 26.9	1.944	2.716	15.5	20.1
3 12	12 17.81	−35 17.8	1.860	2.695	13.8	19.9
3 22	12 7.84	−35 37.1	1.796	2.674	12.3	19.7
4 1	11 57.22	−35 22.3	1.755	2.653	11.7	19.7
4 11	11 47.26	−34 36.0	1.738	2.632	12.2	19.6
4 21	11 39.14	−33 25.0	1.743	2.610	13.7	19.7
5 1	11 33.71	−31 59.0	1.770	2.589	15.7	19.8
335593	2006 DM_{140}		3 22.5	327.°34	3.°4/19.1	17
2 21	12 25.65	+ 4 34.8	1.600	2.488	12.6	19.9
3 2	12 21.40	+ 5 47.0	1.529	2.475	8.7	19.7
3 12	12 15.16	+ 7 6.9	1.483	2.464	4.8	19.4
3 22	12 7.71	+ 8 25.8	1.463	2.452	3.7	19.3
4 1	12 0.10	+ 9 34.8	1.470	2.442	7.1	19.5
4 11	11 53.44	+10 26.1	1.502	2.432	11.3	19.7
4 21	11 48.58	+10 55.6	1.557	2.422	15.1	19.9
5 1	11 46.10	+11 2.1	1.629	2.413	18.4	20.1
519654	2012 VC_{115}		3 22.5	220.°54	4.°3/27.7	17
2 21	12 26.62	−17 20.9	2.430	3.222	12.1	21.4
3 2	12 21.60	−17 15.5	2.342	3.219	9.6	21.2
3 12	12 15.10	−16 51.9	2.278	3.215	7.0	21.0
3 22	12 7.73	−16 11.3	2.241	3.212	4.8	20.9
4 1	12 0.24	−15 16.8	2.232	3.208	4.6	20.9
4 11	11 53.40	−14 13.9	2.252	3.204	6.6	21.0
4 21	11 47.87	−13 8.4	2.298	3.200	9.4	21.2
5 1	11 44.10	−12 6.3	2.368	3.196	12.0	21.3
159541	2001 QU_{236}		3 22.5	127.°68	0.°1/22.4	18
2 21	12 31.43	− 4 9.8	1.609	2.469	14.1	21.2
3 2	12 25.27	− 3 14.2	1.550	2.482	9.9	21.0
3 12	12 17.09	− 2 3.7	1.517	2.494	5.2	20.7
3 22	12 7.82	− 0 45.2	1.510	2.506	0.2	20.3
4 1	11 58.59	+ 0 32.8	1.532	2.518	4.7	20.7
4 11	11 50.55	+ 1 41.9	1.581	2.528	9.3	21.0
4 21	11 44.50	+ 2 36.0	1.654	2.539	13.3	21.3
5 1	11 40.93	+ 3 11.8	1.747	2.548	16.7	21.5
420139	2011 FB_{79}		3 22.5	7.°51	2.°4/19.8	17
2 21	12 25.05	+ 1 1.2	1.678	2.558	12.5	20.6
3 2	12 20.83	+ 2 37.0	1.615	2.558	8.6	20.4
3 12	12 14.79	+ 4 24.0	1.577	2.559	4.4	20.1
3 22	12 7.72	+ 6 13.0	1.568	2.560	2.7	20.0
4 1	12 0.60	+ 7 53.8	1.586	2.561	6.2	20.2
4 11	11 54.43	+ 9 17.8	1.631	2.562	10.4	20.5
4 21	11 49.96	+10 19.7	1.699	2.564	14.1	20.7
5 1	11 47.69	+10 57.4	1.786	2.566	17.1	20.9

317745 2003 SF_{38} 3 22.5 174.°17 3.°7/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.94	−14 33.7	2.112	2.920	13.2	21.5
3 2	12 24.73	−14 15.2	2.032	2.923	10.2	21.3
3 12	12 16.78	−13 37.3	1.975	2.926	6.9	21.1
3 22	12 7.82	−12 42.0	1.947	2.928	4.1	21.0
4 1	11 58.76	−11 34.2	1.947	2.930	4.3	21.0
4 11	11 50.55	−10 20.7	1.976	2.930	7.3	21.1
4 21	11 43.93	− 9 8.5	2.032	2.930	10.6	21.3
5 1	11 39.42	− 8 3.9	2.112	2.929	13.6	21.5

361144 2006 HK_{83} 3 22.5 253.°76 0.°7/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.11	− 6 3.2	1.904	2.753	12.7	22.2
3 2	12 24.46	− 5 16.2	1.806	2.731	9.2	22.0
3 12	12 16.80	− 4 12.4	1.733	2.708	5.1	21.7
3 22	12 7.83	− 2 56.4	1.688	2.684	0.9	21.3
4 1	11 58.51	− 1 34.9	1.673	2.660	4.2	21.5
4 11	11 49.91	− 0 16.2	1.685	2.635	8.7	21.7
4 21	11 42.94	+ 0 52.6	1.723	2.609	12.9	21.9
5 1	11 38.25	+ 1 46.0	1.783	2.582	16.4	22.1

167101 2003 ST_{46} 3 22.5 148.°25 0.°6/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.47	− 5 12.8	1.728	2.583	13.5	20.6
3 2	12 24.58	− 4 32.9	1.661	2.589	9.6	20.4
3 12	12 16.75	− 3 38.2	1.619	2.595	5.2	20.1
3 22	12 7.82	− 2 34.0	1.604	2.600	0.8	19.8
4 1	11 58.85	− 1 27.4	1.618	2.605	4.3	20.1
4 11	11 50.92	− 0 26.1	1.659	2.609	8.7	20.4
4 21	11 44.84	+ 0 24.0	1.724	2.613	12.7	20.6
5 1	11 41.11	+ 0 58.7	1.811	2.617	15.9	20.8

232500 2003 QF_{13} 3 22.5 186.°41 2.°8/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.23	+ 5 51.8	2.414	3.286	9.5	20.8
3 2	12 21.91	+ 7 1.3	2.347	3.286	6.6	20.6
3 12	12 15.22	+ 8 14.2	2.308	3.285	3.7	20.5
3 22	12 7.75	+ 9 24.6	2.298	3.284	3.0	20.4
4 1	12 0.24	+10 26.6	2.318	3.282	5.5	20.6
4 11	11 53.42	+11 15.6	2.367	3.280	8.5	20.7
4 21	11 47.90	+11 48.8	2.440	3.278	11.3	20.9
5 1	11 44.08	+12 5.2	2.534	3.274	13.6	21.1

341822 2007 YW_{65} 3 22.5 104.°45 0.°6/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.02	− 0 42.4	2.551	3.409	9.6	21.9
3 2	12 21.61	− 0 1.7	2.495	3.427	6.6	21.8
3 12	12 14.99	+ 0 45.5	2.466	3.445	3.4	21.6
3 22	12 7.74	+ 1 35.1	2.466	3.462	0.7	21.4
4 1	12 0.56	+ 2 22.4	2.497	3.479	3.6	21.6
4 11	11 54.09	+ 3 3.3	2.557	3.496	6.7	21.9
4 21	11 48.86	+ 3 34.6	2.643	3.513	9.5	22.1
5 1	11 45.22	+ 3 54.5	2.752	3.529	11.8	22.3

472713 2015 FD_{45} 3 22.5 314.°80 0.°9/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 24.51	− 6 59.3	2.029	2.881	11.9	21.1
3 2	12 20.29	− 6 7.3	1.947	2.873	8.6	20.8
3 12	12 14.48	− 4 59.7	1.890	2.864	4.8	20.6
3 22	12 7.73	− 3 41.1	1.861	2.856	1.1	20.3
4 1	12 0.85	− 2 18.2	1.860	2.849	3.7	20.5
4 11	11 54.70	− 0 58.5	1.888	2.841	7.6	20.7
4 21	11 49.98	+ 0 11.6	1.941	2.834	11.3	20.9
5 1	11 47.18	+ 1 7.3	2.016	2.827	14.4	21.1

178076 2006 SV_{117} 3 22.5 126.°67 0.°3/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.12	− 4 18.6	2.476	3.325	10.1	20.8
3 2	12 21.09	− 3 41.6	2.406	3.332	7.2	20.6
3 12	12 14.77	− 2 55.0	2.364	3.339	3.8	20.4
3 22	12 7.74	− 2 2.4	2.350	3.346	0.5	20.2
4 1	12 0.70	− 1 8.7	2.366	3.352	3.2	20.4
4 11	11 54.34	− 0 18.8	2.411	3.359	6.6	20.6
4 21	11 49.21	+ 0 23.3	2.482	3.365	9.5	20.8
5 1	11 45.71	+ 0 54.6	2.577	3.371	12.1	21.0

117823 2005 JY_{24} 3 22.5 72.°53 3.°0/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.88	−12 0.7	1.572	2.412	15.4	19.7
3 2	12 22.97	−11 24.0	1.502	2.416	11.6	19.5
3 12	12 15.99	−10 23.8	1.455	2.420	7.3	19.3
3 22	12 7.81	− 9 4.6	1.434	2.424	3.5	19.0
4 1	11 59.55	− 7 33.9	1.440	2.428	4.5	19.1
4 11	11 52.38	− 6 2.0	1.472	2.432	8.7	19.4
4 21	11 47.14	− 4 38.0	1.529	2.436	12.8	19.6
5 1	11 44.38	− 3 28.9	1.607	2.441	16.4	19.8

422778 2001 VU_{23} 3 22.5 134.°55 2.°3/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.86	−11 32.7	2.472	3.287	11.3	23.6
3 2	12 23.66	−11 4.1	2.404	3.305	8.4	23.5
3 12	12 16.10	−10 20.9	2.363	3.322	5.3	23.3
3 22	12 7.82	− 9 26.1	2.350	3.339	2.6	23.2
4 1	11 59.57	− 8 24.2	2.368	3.354	3.3	23.2
4 11	11 52.10	− 7 20.8	2.416	3.369	6.2	23.4
4 21	11 45.99	− 6 21.2	2.491	3.383	9.2	23.6
5 1	11 41.65	− 5 29.6	2.591	3.396	11.7	23.8

208209 2000 SQ_{60} 3 22.5 219.°16 0.°2/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 24.66	− 4 57.9	2.497	3.346	10.0	20.1
3 2	12 20.13	− 3 58.0	2.416	3.342	7.1	19.9
3 12	12 14.31	− 2 46.5	2.362	3.338	3.8	19.6
3 22	12 7.74	− 1 28.0	2.337	3.334	0.3	19.3
4 1	12 1.09	− 0 8.1	2.343	3.329	3.3	19.6
4 11	11 55.06	+ 1 7.2	2.378	3.324	6.7	19.8
4 21	11 50.20	+ 2 13.0	2.440	3.319	9.8	20.0
5 1	11 46.94	+ 3 5.7	2.525	3.314	12.4	20.2

192532 1998 SZ_{63} 3 22.5 173.°27 3.°0/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 35.69	+ 5 44.4	1.790	2.659	12.4	20.6
3 2	12 28.18	+ 6 24.1	1.726	2.663	8.7	20.4
3 12	12 18.63	+ 7 6.9	1.688	2.666	4.8	20.2
3 22	12 7.94	+ 7 46.4	1.678	2.668	3.1	20.1
4 1	11 57.23	+ 8 16.5	1.698	2.669	6.3	20.3
4 11	11 47.65	+ 8 32.3	1.745	2.670	10.2	20.5
4 21	11 40.03	+ 8 31.8	1.816	2.670	13.8	20.7
5 1	11 34.91	+ 8 14.8	1.907	2.669	16.8	20.9

166731 2002 TB_{259} 3 22.5 53.°89 3.°3/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.19	−14 58.3	1.910	2.730	13.9	19.5
3 2	12 20.71	−14 5.8	1.849	2.749	10.6	19.3
3 12	12 14.64	−12 51.3	1.812	2.768	7.0	19.1
3 22	12 7.75	−11 19.3	1.802	2.787	3.8	19.0
4 1	12 0.93	− 9 37.1	1.820	2.806	4.0	19.0
4 11	11 55.04	− 7 53.5	1.866	2.825	7.2	19.2
4 21	11 50.72	− 6 16.8	1.938	2.845	10.6	19.5
5 1	11 48.40	− 4 53.3	2.034	2.865	13.6	19.7

74741 1999 RP_{184} 3 22.5 237.°85 2.°0/20.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.31	+ 2 19.6	1.846	2.715	12.1	20.6
3 2	12 25.24	+ 3 9.1	1.764	2.702	8.4	20.4
3 12	12 17.17	+ 4 6.6	1.709	2.688	4.4	20.1
3 22	12 7.88	+ 5 6.0	1.681	2.674	2.1	19.9
4 1	11 58.36	+ 6 0.1	1.682	2.659	5.6	20.1
4 11	11 49.71	+ 6 42.5	1.711	2.644	9.8	20.3
4 21	11 42.79	+ 7 8.9	1.763	2.628	13.7	20.5
5 1	11 38.21	+ 7 17.5	1.836	2.612	16.9	20.7

327448 2005 WU_{128} 3 22.5 252.°31 1.°4/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.81	− 7 6.2	1.971	2.817	12.5	21.1
3 2	12 23.42	− 6 37.5	1.882	2.804	9.1	20.8
3 12	12 16.20	− 5 53.6	1.818	2.790	5.3	20.6
3 22	12 7.84	− 4 58.0	1.781	2.776	1.6	20.3
4 1	11 59.25	− 3 56.4	1.773	2.761	3.9	20.4
4 11	11 51.41	− 2 55.6	1.793	2.746	8.0	20.6
4 21	11 45.14	− 2 1.9	1.838	2.731	11.8	20.8
5 1	11 41.02	− 1 20.1	1.906	2.716	15.1	21.0

39678 Ammannito 3 22.5 258.°90 0.°5/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.71	− 2 46.0	1.587	2.455	13.8	20.3
3 2	12 24.39	− 1 52.7	1.505	2.441	9.8	20.1
3 12	12 16.84	− 0 43.9	1.447	2.426	5.1	19.8
3 22	12 7.87	+ 0 34.2	1.415	2.411	0.5	19.4
4 1	11 58.62	+ 1 52.8	1.411	2.396	5.2	19.7
4 11	11 50.32	+ 3 2.9	1.433	2.381	10.2	19.9
4 21	11 43.95	+ 3 57.4	1.479	2.365	14.6	20.1
5 1	11 40.17	+ 4 32.2	1.545	2.349	18.3	20.3

33095 1997 YM_5 3 22.5 250.°81 0.°1/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.51	− 3 30.7	1.857	2.717	12.5	19.0
3 2	12 23.21	− 2 53.5	1.780	2.711	8.8	18.7
3 12	12 16.07	− 2 3.7	1.727	2.705	4.7	18.5
3 22	12 7.83	− 1 6.2	1.702	2.699	0.3	18.1
4 1	11 59.45	− 0 7.2	1.705	2.692	4.3	18.4
4 11	11 51.93	+ 0 46.2	1.736	2.685	8.5	18.6
4 21	11 46.06	+ 1 28.7	1.792	2.678	12.4	18.8
5 1	11 42.38	+ 1 56.6	1.868	2.672	15.6	19.0

253110 2002 US_{15} 3 22.5 115.°32 1.°4/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.20	+ 0 8.6	1.976	2.840	11.7	21.2
3 2	12 24.08	+ 1 12.7	1.925	2.860	8.0	21.0
3 12	12 16.36	+ 2 24.7	1.900	2.880	4.1	20.8
3 22	12 7.84	+ 3 38.3	1.904	2.899	1.5	20.6
4 1	11 59.43	+ 4 46.4	1.938	2.917	4.8	20.9
4 11	11 52.00	+ 5 43.0	2.000	2.935	8.5	21.1
4 21	11 46.22	+ 6 24.5	2.086	2.952	11.8	21.4
5 1	11 42.49	+ 6 49.1	2.195	2.968	14.5	21.6

119632 2001 XE_{11} 3 22.5 247.°06 4.°1/25.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.94	−11 50.5	1.816	2.641	14.3	19.3
3 2	12 26.44	−12 18.8	1.736	2.639	11.0	19.1
3 12	12 17.83	−12 30.2	1.680	2.636	7.4	18.9
3 22	12 7.92	−12 25.2	1.651	2.634	4.4	18.7
4 1	11 57.80	−12 6.6	1.650	2.632	5.0	18.7
4 11	11 48.61	−11 39.8	1.676	2.630	8.4	18.9
4 21	11 41.28	−11 10.9	1.727	2.628	12.0	19.1
5 1	11 36.41	−10 45.7	1.800	2.625	15.3	19.3

270543 2002 GY_{128} 3 22.5 264.°42 1.°4/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.64	− 8 4.9	1.970	2.816	12.5	20.4
3 2	12 21.86	− 7 22.2	1.886	2.807	9.1	20.1
3 12	12 15.36	− 6 22.8	1.826	2.797	5.3	19.9
3 22	12 7.81	− 5 10.9	1.793	2.787	1.6	19.6
4 1	12 0.10	− 3 52.8	1.789	2.778	3.8	19.7
4 11	11 53.15	− 2 36.0	1.813	2.768	7.8	20.0
4 21	11 47.73	− 1 27.4	1.863	2.758	11.6	20.2
5 1	11 44.36	− 0 32.2	1.935	2.748	14.8	20.4

518802 2010 BU_{97} 3 22.5 4.°82 6.°3/28.8 17

2 21	12 26.95	−19 40.9	1.847	2.643	15.3	20.5
3 2	12 22.22	−19 56.9	1.769	2.643	12.4	20.3
3 12	12 15.60	−19 48.9	1.713	2.643	9.4	20.1
3 22	12 7.82	−19 17.1	1.681	2.644	6.9	20.0
4 1	11 59.89	−18 24.7	1.675	2.645	6.4	19.9
4 11	11 52.85	−17 18.4	1.695	2.647	8.4	20.0
4 21	11 47.52	−16 6.3	1.739	2.650	11.4	20.2
5 1	11 44.47	−14 56.6	1.806	2.652	14.4	20.4

236104 2005 QJ_{71} 3 22.5 105.°74 2.°9/19.3 17

2 21	12 31.25	− 0 1.8	1.576	2.447	13.7	21.0
3 2	12 25.05	+ 2 23.6	1.534	2.474	9.2	20.8
3 12	12 16.94	+ 4 59.8	1.519	2.499	4.8	20.6
3 22	12 7.88	+ 7 33.9	1.534	2.524	3.2	20.6
4 1	11 59.02	+ 9 53.0	1.578	2.548	7.0	20.8
4 11	11 51.43	+11 47.1	1.651	2.571	11.1	21.1
4 21	11 45.86	+13 11.8	1.747	2.593	14.7	21.4
5 1	11 42.71	+14 6.8	1.863	2.614	17.5	21.7

200935 2002 AO_{164} 3 22.5 59.°76 0.°7/22.9 18

2 21	12 30.66	− 4 54.2	1.305	2.175	16.1	20.0
3 2	12 25.07	− 4 20.3	1.253	2.187	11.4	19.8
3 12	12 17.12	− 3 29.1	1.223	2.200	6.2	19.5
3 22	12 7.89	− 2 27.1	1.218	2.214	0.9	19.2
4 1	11 58.74	− 1 23.1	1.239	2.227	5.0	19.5
4 11	11 50.99	− 0 26.5	1.285	2.241	10.2	19.8
4 21	11 45.57	+ 0 16.1	1.353	2.255	14.6	20.1
5 1	11 42.96	+ 0 40.7	1.441	2.268	18.3	20.4

372630 2009 VU_{68} 3 22.5 187.°80 0.°2/22.7 17

2 21	12 29.37	− 3 41.6	2.398	3.245	10.5	22.6
3 2	12 23.45	− 3 8.8	2.319	3.244	7.4	22.4
3 12	12 16.07	− 2 26.3	2.267	3.243	4.0	22.2
3 22	12 7.85	− 1 37.7	2.245	3.241	0.4	21.9
4 1	11 59.55	− 0 47.9	2.253	3.239	3.5	22.1
4 11	11 51.95	− 0 1.9	2.290	3.236	7.0	22.4
4 21	11 45.69	+ 0 36.2	2.354	3.232	10.2	22.6
5 1	11 41.22	+ 1 3.4	2.441	3.228	12.9	22.7

417234 2005 YM_{74} 3 22.5 84.°72 2.°1/24.5 18

2 21	12 30.81	− 9 4.4	1.903	2.740	13.2	21.9
3 2	12 24.55	− 8 41.4	1.851	2.766	9.7	21.7
3 12	12 16.63	− 8 2.9	1.824	2.792	5.8	21.5
3 22	12 7.88	− 7 12.7	1.825	2.817	2.3	21.3
4 1	11 59.26	− 6 16.6	1.855	2.842	3.8	21.5
4 11	11 51.71	− 5 21.2	1.912	2.867	7.5	21.7
4 21	11 45.89	− 4 32.3	1.996	2.891	10.9	22.0
5 1	11 42.21	− 3 54.0	2.101	2.915	13.8	22.2

503492 2016 EM_{188} 3 22.5 307.°32 9.°5/28.7 17

2 21	12 33.67	−21 40.0	1.535	2.322	18.2	21.4
3 2	12 27.62	−22 58.3	1.448	2.310	15.4	21.2
3 12	12 18.78	−23 51.5	1.381	2.298	12.4	20.9
3 22	12 8.00	−24 15.2	1.338	2.286	10.1	20.8
4 1	11 56.61	−24 8.3	1.318	2.274	9.7	20.7
4 11	11 46.19	−23 35.4	1.323	2.263	11.6	20.8
4 21	11 38.02	−22 45.4	1.351	2.252	14.7	20.9
5 1	11 33.00	−21 48.9	1.398	2.241	17.9	21.1

376032 2010 CA_{35} 3 22.5 80.°52 4.°1/17.9 18

2 21	12 28.88	+ 8 51.9	2.003	2.881	10.8	20.8
3 2	12 23.10	+10 8.1	1.967	2.907	7.6	20.6
3 12	12 15.83	+11 23.7	1.959	2.933	4.7	20.5
3 22	12 7.84	+12 31.3	1.979	2.958	4.4	20.5
4 1	12 0.03	+13 24.8	2.027	2.983	6.8	20.7
4 11	11 53.23	+14 0.2	2.102	3.007	9.8	20.9
4 21	11 48.03	+14 16.2	2.201	3.031	12.6	21.2
5 1	11 44.79	+14 13.6	2.319	3.055	14.8	21.4

412881 2014 QD_{25} 3 22.5 328.°64 4.°6/25.7 18

2 21	12 27.64	−11 49.2	1.169	2.027	18.4	20.3
3 2	12 23.56	−11 57.3	1.092	2.013	14.1	20.0
3 12	12 16.67	−11 38.7	1.034	2.000	9.3	19.7
3 22	12 7.90	−10 54.6	0.999	1.988	5.1	19.4
4 1	11 58.70	− 9 51.1	0.988	1.976	6.0	19.4
4 11	11 50.71	− 8 39.0	1.000	1.966	10.9	19.6
4 21	11 45.20	− 7 29.9	1.032	1.956	16.0	19.9
5 1	11 42.99	− 6 33.6	1.083	1.948	20.5	20.1

185183 2006 SP_{345} 3 22.5 79.°99 2.°2/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.35	− 9 35.1	1.615	2.460	14.8	20.4
3 2	12 23.85	− 9 1.4	1.556	2.475	10.8	20.2
3 12	12 16.39	− 8 8.2	1.522	2.490	6.5	20.0
3 22	12 7.88	− 7 0.5	1.513	2.506	2.5	19.8
4 1	11 59.42	− 5 45.6	1.532	2.520	4.2	19.9
4 11	11 52.10	− 4 32.3	1.578	2.535	8.5	20.2
4 21	11 46.71	− 3 28.0	1.648	2.550	12.4	20.5
5 1	11 43.72	− 2 38.0	1.739	2.565	15.7	20.7

354744 2005 TT_{79} 3 22.5 211.°09 2.°1/25.5 18

2 21	12 25.67	−11 24.7	3.102	3.915	9.3	21.8
3 2	12 20.68	−11 1.2	3.009	3.908	7.0	21.7
3 12	12 14.57	−10 25.9	2.943	3.901	4.5	21.5
3 22	12 7.80	− 9 40.6	2.905	3.893	2.3	21.3
4 1	12 0.94	− 8 48.6	2.899	3.884	2.8	21.4
4 11	11 54.57	− 7 54.1	2.922	3.875	5.3	21.5
4 21	11 49.17	− 7 1.1	2.973	3.866	7.8	21.7
5 1	11 45.13	− 6 13.4	3.050	3.856	10.1	21.8

365497 2010 RE_9 3 22.5 232.°59 1.°5/21.1 16

2 21	12 30.88	+ 0 35.9	1.879	2.744	12.1	22.1
3 2	12 24.93	+ 1 26.6	1.796	2.732	8.4	21.8
3 12	12 17.02	+ 2 27.0	1.740	2.720	4.4	21.6
3 22	12 7.92	+ 3 31.1	1.712	2.707	1.5	21.3
4 1	11 58.61	+ 4 31.9	1.713	2.693	5.2	21.6
4 11	11 50.14	+ 5 22.5	1.741	2.678	9.4	21.8
4 21	11 43.36	+ 5 58.3	1.794	2.663	13.3	22.0
5 1	11 38.86	+ 6 16.7	1.867	2.647	16.5	22.2

399632 2004 PL_2 3 22.5 189.°37 3.°0/19.2 14 C

2 21	12 32.89	+ 6 13.3	2.219	3.085	10.5	23.3
3 2	12 26.00	+ 7 14.3	2.148	3.084	7.3	23.1
3 12	12 17.44	+ 8 18.5	2.106	3.082	4.2	22.9
3 22	12 7.94	+ 9 19.7	2.093	3.079	3.2	22.9
4 1	11 58.37	+10 11.7	2.110	3.075	5.9	23.0
4 11	11 49.63	+10 49.8	2.156	3.069	9.2	23.2
4 21	11 42.43	+11 11.5	2.227	3.063	12.3	23.4
5 1	11 37.25	+11 16.1	2.319	3.055	14.8	23.6

330032 2005 UN_{193} 3 22.5 242.°86 1.°4/21.2 17

2 21	12 29.97	+ 0 57.3	1.840	2.709	12.1	21.8
3 2	12 24.25	+ 1 35.6	1.765	2.702	8.5	21.6
3 12	12 16.64	+ 2 22.2	1.716	2.696	4.4	21.3
3 22	12 7.91	+ 3 11.7	1.694	2.689	1.4	21.1
4 1	11 59.04	+ 3 57.5	1.700	2.682	5.1	21.3
4 11	11 51.06	+ 4 33.8	1.734	2.674	9.2	21.5
4 21	11 44.80	+ 4 56.4	1.792	2.667	13.0	21.8
5 1	11 40.79	+ 5 3.3	1.871	2.659	16.2	22.0

458939 2011 UO_{333} 3 22.5 133.°99 4.°8/18.1 18

2 21	12 32.63	+ 9 14.8	1.703	2.582	12.4	21.3
3 2	12 26.03	+10 29.9	1.654	2.594	8.7	21.1
3 12	12 17.50	+11 45.1	1.632	2.605	5.5	20.9
3 22	12 7.95	+12 51.6	1.637	2.616	5.1	20.9
4 1	11 58.49	+13 41.9	1.670	2.627	7.9	21.1
4 11	11 50.23	+14 11.1	1.729	2.637	11.4	21.3
4 21	11 43.92	+14 18.1	1.811	2.646	14.7	21.5
5 1	11 40.04	+14 4.1	1.911	2.654	17.4	21.7

207391 2005 WT_3 3 22.5 162.°59 13.°2/30.6 18

2 21	12 42.28	−27 43.8	1.355	2.106	21.9	20.3
3 2	12 34.11	−29 32.7	1.284	2.111	19.1	20.1
3 12	12 22.37	−30 48.1	1.232	2.116	16.2	20.0
3 22	12 8.19	−31 21.8	1.201	2.119	13.9	19.8
4 1	11 53.41	−31 11.0	1.192	2.122	13.2	19.8
4 11	11 40.09	−30 21.7	1.207	2.125	14.4	19.9
4 21	11 29.86	−29 6.4	1.242	2.126	16.9	20.0
5 1	11 23.62	−27 40.3	1.297	2.127	19.8	20.2

417736 2007 CP_{55} 3 22.5 159.°16 1.°1/23.7 16

2 21	12 30.36	− 6 37.4	2.192	3.032	11.6	21.9
3 2	12 24.22	− 6 9.6	2.120	3.039	8.4	21.7
3 12	12 16.50	− 5 29.2	2.074	3.045	4.8	21.5
3 22	12 7.91	− 4 39.9	2.056	3.051	1.3	21.3
4 1	11 59.27	− 3 46.6	2.069	3.056	3.5	21.4
4 11	11 51.46	− 2 55.2	2.110	3.061	7.2	21.7
4 21	11 45.13	− 2 10.4	2.178	3.065	10.5	21.9
5 1	11 40.77	− 1 36.2	2.269	3.068	13.4	22.1

328306 2008 HS_{10} 3 22.5 282.°54 2.°3/24.6 17

2 21	12 27.99	− 9 41.9	1.778	2.621	13.8	21.4
3 2	12 23.11	− 9 12.6	1.682	2.599	10.3	21.2
3 12	12 16.18	− 8 23.5	1.609	2.577	6.3	20.9
3 22	12 7.90	− 7 17.7	1.563	2.555	2.6	20.6
4 1	11 59.27	− 6 1.1	1.544	2.533	4.2	20.6
4 11	11 51.39	− 4 42.2	1.553	2.510	8.6	20.8
4 21	11 45.21	− 3 29.2	1.586	2.487	12.8	21.0
5 1	11 41.39	− 2 28.8	1.641	2.465	16.6	21.2

471416 2011 TL_2 3 22.5 278.°94 0.°4/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.67	− 4 40.7	2.270	3.122	10.8	21.2
3 2	12 21.00	− 4 1.7	2.185	3.112	7.7	21.0
3 12	12 14.86	− 3 11.0	2.127	3.102	4.2	20.8
3 22	12 7.83	− 2 12.7	2.096	3.092	0.5	20.5
4 1	12 0.68	− 1 12.1	2.095	3.082	3.5	20.7
4 11	11 54.18	− 0 14.8	2.123	3.072	7.2	20.9
4 21	11 48.98	+ 0 34.0	2.176	3.062	10.5	21.1
5 1	11 45.55	+ 1 10.9	2.252	3.052	13.4	21.3

93268 2000 SX_{173} 3 22.5 281.°86 6.°9/28.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.41	−20 34.8	1.870	2.656	15.5	19.5
3 2	12 24.15	−20 58.3	1.772	2.638	12.8	19.3
3 12	12 16.75	−20 57.8	1.696	2.621	9.9	19.1
3 22	12 7.93	−20 31.9	1.644	2.603	7.5	18.9
4 1	11 58.71	−19 42.5	1.618	2.585	7.0	18.8
4 11	11 50.25	−18 35.7	1.619	2.568	9.1	18.9
4 21	11 43.53	−17 19.7	1.644	2.550	12.2	19.0
5 1	11 39.25	−16 3.7	1.691	2.532	15.4	19.2

338079 2002 PB_{107} 3 22.5 207.°49 4.°6/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.75	−18 55.9	2.674	3.448	11.6	22.1
3 2	12 23.05	−19 0.8	2.580	3.443	9.4	22.0
3 12	12 15.91	−18 48.4	2.510	3.436	7.0	21.8
3 22	12 7.89	−18 19.2	2.467	3.430	5.1	21.7
4 1	11 59.71	−17 35.6	2.453	3.422	4.8	21.6
4 11	11 52.13	−16 42.0	2.468	3.415	6.5	21.7
4 21	11 45.77	−15 43.9	2.511	3.406	8.9	21.9
5 1	11 41.13	−14 46.6	2.578	3.398	11.4	22.0

135323 2001 SG_{309} 3 22.5 73.°89 2.°7/25.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.69	−10 18.7	2.163	2.992	12.2	19.3
3 2	12 23.12	−10 19.2	2.090	2.997	9.1	19.1
3 12	12 15.96	−10 5.3	2.041	3.003	5.8	18.9
3 22	12 7.89	− 9 39.0	2.020	3.008	3.0	18.7
4 1	11 59.76	− 9 4.2	2.028	3.014	3.8	18.8
4 11	11 52.42	− 8 25.9	2.064	3.019	6.9	19.0
4 21	11 46.56	− 7 49.4	2.126	3.025	10.2	19.2
5 1	11 42.64	− 7 18.9	2.211	3.031	13.0	19.4

456279 2006 RL_{108} 3 22.5 296.°64 0.°3/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.37	− 4 23.1	1.485	2.353	14.6	21.4
3 2	12 23.63	− 3 44.3	1.399	2.333	10.5	21.1
3 12	12 16.55	− 2 47.9	1.336	2.314	5.7	20.8
3 22	12 7.93	− 1 39.1	1.298	2.295	0.5	20.4
4 1	11 58.94	− 0 26.3	1.288	2.275	5.0	20.7
4 11	11 50.89	+ 0 41.2	1.302	2.256	10.3	20.9
4 21	11 44.83	+ 1 35.4	1.340	2.238	15.0	21.1
5 1	11 41.49	+ 2 10.9	1.397	2.219	19.0	21.3

156972 2003 JY_3 3 22.5 295.°27 2.°4/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.47	− 7 3.3	1.751	2.597	13.8	19.7
3 2	12 26.40	− 7 20.3	1.651	2.570	10.3	19.4
3 12	12 18.00	− 7 23.9	1.575	2.544	6.3	19.1
3 22	12 8.01	− 7 15.5	1.525	2.518	2.6	18.8
4 1	11 57.50	− 6 58.4	1.504	2.491	4.5	18.9
4 11	11 47.73	− 6 37.8	1.509	2.465	9.0	19.1
4 21	11 39.75	− 6 19.3	1.540	2.438	13.3	19.2
5 1	11 34.35	− 6 8.2	1.591	2.412	17.1	19.4

296497 2009 JY_{10} 3 22.5 233.°28 1.°3/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.33	+ 0 24.0	1.955	2.819	11.7	22.0
3 2	12 24.49	+ 1 13.6	1.872	2.807	8.2	21.8
3 12	12 16.79	+ 2 12.7	1.815	2.795	4.2	21.5
3 22	12 7.94	+ 3 15.5	1.787	2.782	1.4	21.3
4 1	11 58.91	+ 4 15.4	1.787	2.768	5.0	21.5
4 11	11 50.67	+ 5 5.8	1.816	2.753	9.1	21.7
4 21	11 44.05	+ 5 42.2	1.869	2.738	12.8	21.9
5 1	11 39.60	+ 6 1.9	1.944	2.723	16.0	22.1

116777 2004 EJ_{22} 3 22.5 3.°25 5.°2/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.29	+10 34.3	1.722	2.612	11.6	18.7
3 2	12 20.99	+11 55.8	1.668	2.612	8.3	18.5
3 12	12 14.92	+13 16.9	1.639	2.612	5.7	18.3
3 22	12 7.85	+14 29.0	1.638	2.613	5.7	18.3
4 1	12 0.77	+15 24.3	1.662	2.614	8.4	18.5
4 11	11 54.65	+15 57.4	1.712	2.616	11.7	18.7
4 21	11 50.24	+16 7.0	1.783	2.619	14.8	18.9
5 1	11 47.99	+15 53.7	1.872	2.623	17.4	19.1

388377 2006 UY_{160} 3 22.5 101.°95 1.°1/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.96	+ 0 58.2	2.499	3.361	9.6	21.9
3 2	12 21.64	+ 1 40.3	2.442	3.376	6.6	21.7
3 12	12 15.07	+ 2 27.9	2.412	3.392	3.3	21.5
3 22	12 7.86	+ 3 16.7	2.412	3.407	1.1	21.3
4 1	12 0.70	+ 4 1.9	2.442	3.422	3.9	21.6
4 11	11 54.26	+ 4 39.5	2.501	3.436	7.0	21.8
4 21	11 49.07	+ 5 6.4	2.585	3.451	9.8	22.0
5 1	11 45.50	+ 5 21.2	2.692	3.465	12.1	22.2

317149 2001 UB_{228} 3 22.5 116.°51 0.°5/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.13	− 4 38.5	2.395	3.243	10.5	21.4
3 2	12 21.86	− 4 8.7	2.327	3.252	7.4	21.2
3 12	12 15.23	− 3 28.8	2.286	3.261	4.0	21.0
3 22	12 7.88	− 2 42.7	2.273	3.269	0.7	20.8
4 1	12 0.51	− 1 54.8	2.291	3.278	3.2	21.0
4 11	11 53.87	− 1 10.2	2.337	3.286	6.6	21.2
4 21	11 48.52	− 0 32.8	2.409	3.294	9.7	21.4
5 1	11 44.88	− 0 5.5	2.505	3.302	12.3	21.6

211429 2002 XD_{37} 3 22.5 44.°88 4.°4/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.56	+11 19.4	1.771	2.648	12.1	19.3
3 2	12 26.50	+11 39.2	1.731	2.669	8.6	19.1
3 12	12 17.66	+11 55.3	1.717	2.690	5.4	19.0
3 22	12 7.99	+12 2.2	1.730	2.711	4.6	19.0
4 1	11 58.57	+11 55.6	1.771	2.732	7.1	19.1
4 11	11 50.40	+11 33.7	1.838	2.754	10.4	19.4
4 21	11 44.18	+10 56.8	1.929	2.776	13.4	19.6
5 1	11 40.30	+10 6.4	2.040	2.799	16.0	19.8

391049 2005 TH_{161} 3 22.5 281.°69 2.°0/20.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.38	+ 5 1.4	2.365	3.231	9.9	21.2
3 2	12 24.29	+ 5 19.2	2.276	3.212	6.9	20.9
3 12	12 16.61	+ 5 39.7	2.213	3.192	3.7	20.7
3 22	12 7.95	+ 5 59.0	2.180	3.172	2.1	20.5
4 1	11 59.10	+ 6 12.9	2.176	3.152	4.8	20.7
4 11	11 50.90	+ 6 17.8	2.202	3.131	8.2	20.9
4 21	11 44.04	+ 6 11.6	2.252	3.111	11.3	21.0
5 1	11 39.04	+ 5 53.3	2.325	3.091	14.0	21.2

415346 2013 JU_{24} 3 22.5 263.°55 2.°2/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.03	+ 2 20.5	1.598	2.474	13.3	21.4
3 2	12 25.29	+ 3 7.0	1.521	2.461	9.3	21.1
3 12	12 17.33	+ 4 2.4	1.469	2.449	4.9	20.8
3 22	12 7.99	+ 4 59.7	1.443	2.436	2.3	20.6
4 1	11 58.41	+ 5 51.1	1.445	2.424	6.2	20.8
4 11	11 49.83	+ 6 29.3	1.473	2.411	10.7	21.0
4 21	11 43.21	+ 6 50.1	1.523	2.397	14.9	21.2
5 1	11 39.19	+ 6 51.4	1.593	2.384	18.4	21.4

52538 1996 TT_{39} 3 22.5 236.°26 1.°5/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.51	+ 0 4.9	1.766	2.634	12.6	20.0
3 2	12 24.77	+ 1 1.6	1.685	2.622	8.8	19.7
3 12	12 17.00	+ 2 9.5	1.630	2.610	4.5	19.4
3 22	12 7.98	+ 3 21.9	1.603	2.597	1.5	19.2
4 1	11 58.73	+ 4 31.2	1.604	2.584	5.4	19.4
4 11	11 50.38	+ 5 29.5	1.632	2.570	9.8	19.7
4 21	11 43.80	+ 6 11.7	1.684	2.556	13.8	19.9
5 1	11 39.59	+ 6 35.0	1.757	2.541	17.2	20.1

44726 1999 TT_{14} 3 22.5 329.°94 2.°0/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.30	+ 1 44.2	1.281	2.168	15.1	18.1
3 2	12 24.44	+ 2 19.6	1.211	2.156	10.6	17.8
3 12	12 17.01	+ 3 5.4	1.164	2.146	5.5	17.4
3 22	12 7.98	+ 3 54.3	1.141	2.136	2.1	17.2
4 1	11 58.72	+ 4 37.4	1.143	2.126	6.6	17.4
4 11	11 50.66	+ 5 6.7	1.170	2.118	11.9	17.7
4 21	11 44.91	+ 5 17.3	1.217	2.110	16.6	17.9
5 1	11 42.14	+ 5 7.2	1.282	2.103	20.5	18.2

443695 2015 KJ_{103} 3 22.5 354.°42 3.°0/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.22	+ 5 19.9	2.031	2.911	10.6	20.6
3 2	12 20.76	+ 6 24.8	1.967	2.909	7.3	20.4
3 12	12 14.75	+ 7 33.9	1.929	2.908	4.1	20.2
3 22	12 7.87	+ 8 40.8	1.919	2.907	3.2	20.1
4 1	12 0.95	+ 9 38.8	1.937	2.906	5.9	20.3
4 11	11 54.81	+10 22.5	1.982	2.905	9.3	20.5
4 21	11 50.12	+10 48.9	2.051	2.905	12.5	20.7
5 1	11 47.33	+10 57.1	2.140	2.905	15.1	20.9

12834 Bomben 3 22.5 234.°66 2.°2/20.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.65	+ 1 24.1	1.558	2.432	13.6	18.1
3 2	12 25.78	+ 2 28.6	1.482	2.422	9.5	17.8
3 12	12 17.61	+ 3 44.4	1.430	2.411	5.0	17.5
3 22	12 8.02	+ 5 3.7	1.406	2.399	2.4	17.3
4 1	11 58.19	+ 6 17.0	1.409	2.387	6.4	17.5
4 11	11 49.38	+ 7 15.8	1.438	2.374	11.1	17.8
4 21	11 42.60	+ 7 54.8	1.490	2.361	15.4	18.0
5 1	11 38.50	+ 8 11.6	1.561	2.347	19.0	18.2

340812 2006 UM_{20} 3 22.5 63.°04 0.°2/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.96	− 1 51.5	2.162	3.021	11.0	21.2
3 2	12 22.52	− 1 28.3	2.101	3.032	7.7	21.0
3 12	12 15.62	− 0 56.9	2.066	3.044	4.0	20.8
3 22	12 7.92	− 0 21.2	2.059	3.056	0.2	20.5
4 1	12 0.25	+ 0 14.1	2.082	3.068	3.7	20.8
4 11	11 53.40	+ 0 44.3	2.132	3.079	7.3	21.0
4 21	11 48.00	+ 1 5.9	2.209	3.091	10.5	21.2
5 1	11 44.46	+ 1 16.5	2.307	3.103	13.2	21.4

241041 2006 RP_5 3 22.5 174.°88 3.°0/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.05	+ 7 5.6	2.548	3.421	9.0	20.7
3 2	12 21.08	+ 8 13.5	2.484	3.423	6.2	20.5
3 12	12 14.83	+ 9 23.5	2.448	3.424	3.7	20.4
3 22	12 7.89	+10 30.1	2.442	3.425	3.2	20.3
4 1	12 0.91	+11 27.9	2.466	3.426	5.4	20.5
4 11	11 54.59	+12 12.6	2.517	3.426	8.2	20.7
4 21	11 49.47	+12 42.0	2.593	3.426	10.8	20.8
5 1	11 45.94	+12 55.2	2.691	3.426	13.0	21.0

340584 2006 PP_{10} 3 22.5 105.°11 3.°6/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.38	−15 19.8	2.699	3.492	11.0	21.4
3 2	12 23.31	−15 22.5	2.634	3.514	8.6	21.2
3 12	12 15.96	−15 10.5	2.594	3.535	6.0	21.1
3 22	12 7.94	−14 45.1	2.582	3.556	3.9	21.0
4 1	11 59.95	−14 9.2	2.599	3.577	3.9	21.0
4 11	11 52.67	−13 27.3	2.647	3.597	5.9	21.2
4 21	11 46.66	−12 43.9	2.721	3.616	8.4	21.3
5 1	11 42.28	−12 3.4	2.821	3.635	10.6	21.5

247809 2003 SN_{111} 3 22.5 287.°31 13.°6/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 40.00	−29 22.0	1.602	2.330	19.9	20.0
3 2	12 32.56	−31 34.6	1.511	2.315	17.8	19.7
3 12	12 21.71	−33 21.3	1.440	2.300	15.7	19.6
3 22	12 8.25	−34 33.1	1.390	2.286	14.1	19.4
4 1	11 53.68	−35 4.1	1.364	2.271	13.7	19.3
4 11	11 39.90	−34 55.8	1.360	2.256	14.7	19.4
4 21	11 28.61	−34 16.3	1.378	2.241	16.8	19.4
5 1	11 20.98	−33 17.8	1.415	2.227	19.3	19.6

239490 2007 UN_{118} 3 22.5 295.°04 0.°3/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.33	− 3 44.8	2.109	2.965	11.4	20.9
3 2	12 22.23	− 3 17.4	2.032	2.961	8.1	20.7
3 12	12 15.55	− 2 39.2	1.981	2.958	4.4	20.4
3 22	12 7.93	− 1 54.2	1.958	2.954	0.5	20.1
4 1	12 0.22	− 1 7.4	1.964	2.951	3.7	20.4
4 11	11 53.26	− 0 24.5	1.997	2.947	7.5	20.6
4 21	11 47.74	+ 0 10.0	2.056	2.944	11.0	20.8
5 1	11 44.14	+ 0 32.9	2.137	2.940	13.9	21.0

19028 2000 SC_{165} 3 22.5 224.°31 5.°4/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.56	−20 1.9	2.390	3.166	12.8	17.3
3 2	12 22.36	−20 14.2	2.304	3.165	10.4	17.2
3 12	12 15.61	−20 7.2	2.242	3.164	7.9	17.0
3 22	12 7.94	−19 41.1	2.205	3.163	5.9	16.9
4 1	12 0.13	−18 58.4	2.196	3.162	5.5	16.9
4 11	11 53.00	−18 3.9	2.215	3.161	7.1	16.9
4 21	11 47.23	−17 3.8	2.260	3.160	9.6	17.1
5 1	11 43.31	−16 4.2	2.328	3.159	12.1	17.3

166766 2002 UZ_{48} 3 22.5 111.°60 1.°9/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.35	+ 2 20.1	2.391	3.259	9.7	20.3
3 2	12 21.28	+ 3 32.1	2.336	3.274	6.7	20.1
3 12	12 14.93	+ 4 49.3	2.310	3.289	3.5	19.9
3 22	12 7.91	+ 6 6.1	2.312	3.304	2.0	19.9
4 1	12 0.93	+ 7 16.5	2.345	3.318	4.7	20.1
4 11	11 54.69	+ 8 15.4	2.406	3.332	7.8	20.3
4 21	11 49.74	+ 8 59.7	2.493	3.346	10.6	20.5
5 1	11 46.44	+ 9 28.0	2.602	3.359	12.9	20.7

133043 2003 BC_{43} 3 22.5 202.°97 9.°2/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 38.70	+15 12.0	1.174	2.061	16.1	20.1
3 2	12 31.27	+17 1.8	1.121	2.058	12.2	19.8
3 12	12 20.68	+18 46.1	1.091	2.054	9.5	19.7
3 22	12 8.20	+20 9.5	1.086	2.048	9.9	19.7
4 1	11 55.62	+20 59.6	1.105	2.042	13.3	19.8
4 11	11 44.76	+21 10.9	1.146	2.035	17.4	20.1
4 21	11 36.87	+20 45.4	1.204	2.026	21.3	20.3
5 1	11 32.60	+19 48.7	1.278	2.017	24.6	20.5

88553 2001 QN_{198} 3 22.5 230.°99 2.°5/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.25	+ 5 34.7	1.991	2.858	11.5	19.1
3 2	12 27.19	+ 5 54.5	1.913	2.849	8.0	18.8
3 12	12 18.20	+ 6 16.8	1.862	2.840	4.4	18.6
3 22	12 8.08	+ 6 36.7	1.839	2.830	2.5	18.5
4 1	11 57.81	+ 6 49.5	1.846	2.820	5.6	18.6
4 11	11 48.44	+ 6 51.1	1.881	2.810	9.4	18.8
4 21	11 40.79	+ 6 39.6	1.941	2.799	12.9	19.0
5 1	11 35.41	+ 6 14.4	2.022	2.788	15.8	19.2

199596 2006 FD_{23} 3 22.5 107.°62 0.°7/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.46	− 1 30.0	2.146	3.006	11.0	21.1
3 2	12 22.85	− 0 36.8	2.091	3.024	7.6	21.0
3 12	12 15.79	+ 0 25.2	2.062	3.041	3.9	20.7
3 22	12 7.97	+ 1 30.4	2.062	3.058	0.7	20.5
4 1	12 0.22	+ 2 33.0	2.092	3.075	4.1	20.8
4 11	11 53.34	+ 3 27.1	2.150	3.091	7.7	21.1
4 21	11 47.93	+ 4 9.0	2.234	3.107	10.8	21.3
5 1	11 44.39	+ 4 36.4	2.340	3.122	13.5	21.5

412221 2013 GT_{121} 3 22.5 340.°70 0.°2/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.64	− 3 12.5	1.205	2.086	16.3	21.1
3 2	12 24.08	− 2 49.0	1.137	2.078	11.7	20.8
3 12	12 16.88	− 2 8.7	1.091	2.071	6.3	20.5
3 22	12 8.03	− 1 17.5	1.068	2.064	0.4	20.0
4 1	11 58.95	− 0 24.0	1.070	2.058	5.6	20.4
4 11	11 51.13	+ 0 22.1	1.095	2.054	11.2	20.7
4 21	11 45.72	+ 0 53.6	1.142	2.050	16.2	20.9
5 1	11 43.38	+ 1 6.1	1.206	2.046	20.4	21.2

245215 2004 WW_9 3 22.5 140.°32 11.°0/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 40.68	+32 37.4	2.027	2.856	12.9	20.7
3 2	12 31.49	+33 58.2	2.005	2.872	11.5	20.6
3 12	12 20.29	+34 56.7	2.008	2.888	11.0	20.6
3 22	12 8.19	+35 25.7	2.037	2.902	11.7	20.7
4 1	11 56.45	+35 21.5	2.089	2.915	13.1	20.8
4 11	11 46.23	+34 45.5	2.164	2.928	14.8	20.9
4 21	11 38.28	+33 42.4	2.258	2.939	16.5	21.1
5 1	11 33.00	+32 18.2	2.367	2.950	17.9	21.3

70290 1999 RZ_{118} 3 22.5 218.°74 2.°1/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.62	−10 44.9	1.828	2.664	13.7	19.7
3 2	12 23.41	− 9 50.9	1.744	2.658	10.2	19.5
3 12	12 16.29	− 8 35.6	1.684	2.651	6.2	19.2
3 22	12 8.01	− 7 3.4	1.651	2.643	2.4	19.0
4 1	11 59.56	− 5 22.0	1.647	2.635	4.0	19.1
4 11	11 51.97	− 3 40.7	1.671	2.627	8.2	19.3
4 21	11 46.07	− 2 8.2	1.721	2.618	12.3	19.5
5 1	11 42.44	− 0 51.2	1.793	2.608	15.7	19.7

139533 2001 QW_{12} 3 22.5 142.°74 3.°0/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.07	−12 14.4	2.570	3.380	11.0	20.1
3 2	12 23.92	−12 22.6	2.494	3.388	8.4	19.9
3 12	12 16.37	−12 17.6	2.443	3.395	5.6	19.7
3 22	12 8.02	−12 0.5	2.420	3.402	3.3	19.6
4 1	11 59.60	−11 34.3	2.427	3.409	3.7	19.6
4 11	11 51.87	−11 2.9	2.464	3.416	6.2	19.8
4 21	11 45.43	−10 30.8	2.527	3.422	8.9	20.0
5 1	11 40.73	−10 2.1	2.615	3.427	11.4	20.2

19635 1999 RC_{47} 3 22.5 276.°90 3.°0/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.90	− 9 30.2	1.927	2.760	13.3	18.8
3 2	12 25.80	− 9 44.9	1.831	2.741	10.0	18.6
3 12	12 17.63	− 9 44.8	1.759	2.722	6.4	18.3
3 22	12 8.09	− 9 31.2	1.714	2.703	3.3	18.1
4 1	11 58.17	− 9 7.2	1.697	2.683	4.4	18.1
4 11	11 48.99	− 8 37.8	1.709	2.664	8.2	18.3
4 21	11 41.46	− 8 8.9	1.745	2.644	12.0	18.4
5 1	11 36.27	− 7 45.6	1.804	2.624	15.5	18.6

427265 2014 WN_{163} 3 22.5 92.°89 11.°9/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 36.20	+33 11.5	1.836	2.675	13.6	20.5
3 2	12 28.61	+34 27.9	1.808	2.679	12.3	20.5
3 12	12 18.89	+35 21.0	1.802	2.684	12.0	20.4
3 22	12 8.13	+35 42.9	1.820	2.688	12.7	20.5
4 1	11 57.64	+35 29.8	1.860	2.692	14.2	20.6
4 11	11 48.62	+34 42.7	1.921	2.697	16.0	20.7
4 21	11 41.87	+33 26.5	2.000	2.701	17.8	20.9
5 1	11 37.82	+31 47.4	2.094	2.705	19.4	21.0

422138 2014 QH_{428} 3 22.5 269.°56 2.°8/24.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.49	−10 32.7	1.497	2.343	15.7	21.9
3 2	12 24.44	−10 6.0	1.412	2.330	11.8	21.6
3 12	12 17.02	− 9 15.9	1.349	2.317	7.3	21.3
3 22	12 8.06	− 8 5.9	1.312	2.303	3.2	21.0
4 1	11 58.77	− 6 42.9	1.301	2.290	4.8	21.1
4 11	11 50.46	− 5 17.2	1.316	2.276	9.5	21.3
4 21	11 44.21	− 3 58.6	1.355	2.262	14.2	21.5
5 1	11 40.71	− 2 54.8	1.414	2.249	18.2	21.8

123404 2000 WS_{88} 3 22.5 56.°39 5.°6/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.09	−15 53.9	1.666	2.478	16.0	18.9
3 2	12 26.49	−16 25.4	1.613	2.502	12.5	18.8
3 12	12 17.84	−16 34.6	1.583	2.526	8.9	18.6
3 22	12 8.10	−16 21.9	1.578	2.551	6.1	18.5
4 1	11 58.44	−15 51.4	1.599	2.576	6.0	18.5
4 11	11 50.02	−15 9.7	1.648	2.601	8.6	18.7
4 21	11 43.66	−14 24.5	1.720	2.626	11.8	19.0
5 1	11 39.83	−13 42.7	1.815	2.651	14.7	19.2

453336 2008 YT_{39} 3 22.5 41.°39 5.°6/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.30	+ 9 28.5	1.327	2.218	14.3	21.3
3 2	12 25.60	+10 40.8	1.277	2.222	10.2	21.0
3 12	12 17.51	+11 53.4	1.251	2.226	6.5	20.8
3 22	12 8.09	+12 55.8	1.250	2.231	6.0	20.8
4 1	11 58.72	+13 38.7	1.274	2.235	9.3	21.0
4 11	11 50.73	+13 56.6	1.322	2.240	13.4	21.2
4 21	11 45.09	+13 48.5	1.390	2.245	17.2	21.5
5 1	11 42.28	+13 16.3	1.476	2.251	20.4	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
124474	2001 RQ_6		3 22.5	103.°94	0.°3/22.8	18
	h m	° ′			°	m
2 21	12 30.32	− 6 11.2	1.500	2.360	14.9	19.6
3 2	12 24.64	− 4 58.6	1.446	2.376	10.6	19.4
3 12	12 16.90	− 3 27.5	1.416	2.393	5.7	19.1
3 22	12 8.06	− 1 46.1	1.412	2.409	0.5	18.8
4 1	11 59.31	− 0 4.6	1.437	2.424	4.7	19.1
4 11	11 51.81	+ 1 26.6	1.488	2.439	9.5	19.4
4 21	11 46.36	+ 2 40.4	1.564	2.454	13.7	19.7
5 1	11 43.45	+ 3 32.8	1.660	2.468	17.1	20.0
472934	2015 GT_{23}		3 22.5	289.°61	8.°0/11.9	18
2 21	12 28.03	+23 17.6	2.225	3.093	10.3	20.8
3 2	12 22.79	+24 42.2	2.166	3.077	8.7	20.7
3 12	12 15.88	+25 56.9	2.133	3.061	8.0	20.6
3 22	12 8.01	+26 54.1	2.127	3.045	8.7	20.6
4 1	12 0.04	+27 28.0	2.146	3.029	10.5	20.7
4 11	11 52.87	+27 36.0	2.189	3.013	12.7	20.8
4 21	11 47.21	+27 18.7	2.252	2.998	14.9	21.0
5 1	11 43.55	+26 38.5	2.331	2.982	16.8	21.1
204771	2006 KB_{20}		3 22.5	323.°18	6.°3/26.3	17
2 21	12 30.93	−13 32.7	1.251	2.095	18.3	20.0
3 2	12 25.96	−14 20.1	1.169	2.079	14.5	19.7
3 12	12 18.06	−14 44.2	1.107	2.063	10.3	19.5
3 22	12 8.14	−14 43.2	1.068	2.049	6.8	19.2
4 1	11 57.65	−14 19.4	1.052	2.035	7.2	19.2
4 11	11 48.27	−13 40.0	1.060	2.021	11.1	19.3
4 21	11 41.36	−12 54.7	1.089	2.009	15.7	19.6
5 1	11 37.81	−12 13.4	1.137	1.998	20.0	19.8
316024	2009 FA_{39}		3 22.5	343.°72	5.°1/18.8	17
2 21	12 29.18	+ 7 38.4	1.200	2.097	15.1	20.1
3 2	12 24.43	+ 8 38.9	1.140	2.089	10.6	19.9
3 12	12 17.04	+ 9 43.1	1.103	2.083	6.4	19.6
3 22	12 8.09	+10 40.5	1.090	2.077	5.4	19.5
4 1	11 59.00	+11 20.9	1.102	2.072	9.1	19.7
4 11	11 51.27	+11 37.3	1.136	2.068	13.8	19.9
4 21	11 45.97	+11 27.5	1.189	2.064	18.1	20.2
5 1	11 43.73	+10 52.6	1.259	2.062	21.8	20.4
289553	2005 EE_{241}		3 22.5	341.°54	2.°9/20.2	17
2 21	12 29.72	+ 5 31.3	1.621	2.503	12.7	19.6
3 2	12 24.31	+ 5 55.4	1.551	2.494	8.9	19.3
3 12	12 16.81	+ 6 22.9	1.506	2.486	4.9	19.1
3 22	12 8.08	+ 6 47.8	1.487	2.479	3.0	18.9
4 1	11 59.22	+ 7 4.2	1.495	2.472	6.3	19.1
4 11	11 51.38	+ 7 7.1	1.529	2.466	10.5	19.3
4 21	11 45.45	+ 6 54.3	1.586	2.461	14.4	19.6
5 1	11 42.00	+ 6 25.2	1.662	2.456	17.6	19.8
426433	2013 QS_{34}		3 22.5	120.°19	7.°0/14.4	18
2 21	12 29.35	+17 6.9	1.951	2.830	11.1	21.1
3 2	12 23.67	+18 47.4	1.912	2.841	8.5	21.0
3 12	12 16.30	+20 20.4	1.900	2.852	7.0	20.9
3 22	12 8.05	+21 37.4	1.915	2.862	7.6	20.9
4 1	11 59.88	+22 31.8	1.957	2.872	9.7	21.1
4 11	11 52.71	+23 0.2	2.023	2.882	12.3	21.3
4 21	11 47.24	+23 3.2	2.111	2.891	14.7	21.5
5 1	11 43.89	+22 43.1	2.216	2.901	16.8	21.6
99890	2002 PZ_{164}		3 22.5	286.°14	0.°7/21.8	17
2 21	12 27.55	− 1 13.2	1.950	2.816	11.7	20.0
3 2	12 22.56	− 0 32.7	1.870	2.806	8.2	19.8
3 12	12 15.82	+ 0 18.2	1.816	2.796	4.3	19.5
3 22	12 8.04	+ 1 14.2	1.790	2.786	0.7	19.2
4 1	12 0.10	+ 2 9.2	1.791	2.776	4.4	19.5
4 11	11 52.94	+ 2 56.9	1.821	2.766	8.5	19.7
4 21	11 47.32	+ 3 32.5	1.875	2.756	12.2	19.9
5 1	11 43.78	+ 3 53.2	1.950	2.746	15.3	20.1
359660	2011 SV_{63}		3 22.5	116.°33	1.°3/21.3	18
2 21	12 30.17	− 1 55.5	1.659	2.526	13.4	20.9
3 2	12 24.39	− 0 32.8	1.606	2.542	9.2	20.7
3 12	12 16.73	+ 1 2.6	1.577	2.558	4.7	20.4
3 22	12 8.08	+ 2 42.0	1.577	2.573	1.3	20.2
4 1	11 59.50	+ 4 16.1	1.606	2.587	5.3	20.5
4 11	11 52.06	+ 5 36.3	1.661	2.601	9.6	20.8
4 21	11 46.50	+ 6 37.2	1.741	2.614	13.4	21.1
5 1	11 43.27	+ 7 16.7	1.842	2.627	16.5	21.3
64810	2001 XH_{216}		3 22.5	7.°48	0.°3/22.8	18
2 21	12 28.91	− 3 53.5	1.710	2.572	13.3	19.6
3 2	12 23.63	− 3 22.5	1.640	2.572	9.4	19.3
3 12	12 16.41	− 2 38.2	1.595	2.572	5.1	19.1
3 22	12 8.07	− 1 45.6	1.576	2.572	0.5	18.7
4 1	11 59.63	− 0 51.2	1.585	2.573	4.3	19.0
4 11	11 52.17	− 0 2.2	1.621	2.573	8.8	19.3
4 21	11 46.50	+ 0 35.9	1.681	2.574	12.8	19.5
5 1	11 43.15	+ 0 59.5	1.762	2.574	16.1	19.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
291399	2006 CD_{60}		3 22.5	103.°62	0.°5/22.9	18
	h m	° ′			°	m
2 21	12 30.22	− 5 53.9	1.459	2.321	15.1	21.2
3 2	12 24.69	− 4 56.2	1.400	2.332	10.8	20.9
3 12	12 17.00	− 3 40.1	1.366	2.342	5.8	20.7
3 22	12 8.11	− 2 12.8	1.357	2.353	0.7	20.3
4 1	11 59.24	− 0 43.9	1.375	2.363	4.8	20.7
4 11	11 51.61	+ 0 36.5	1.420	2.373	9.7	21.0
4 21	11 46.09	+ 1 41.2	1.489	2.383	14.0	21.2
5 1	11 43.17	+ 2 25.9	1.577	2.393	17.5	21.5
123041	2000 SP_{291}		3 22.5	154.°28	1.°4/23.9	17
2 21	12 29.49	− 7 7.8	2.034	2.877	12.3	20.5
3 2	12 23.79	− 6 44.3	1.962	2.881	8.9	20.3
3 12	12 16.41	− 6 7.1	1.914	2.885	5.2	20.0
3 22	12 8.08	− 5 19.7	1.895	2.889	1.6	19.8
4 1	11 59.68	− 4 27.3	1.904	2.892	3.6	19.9
4 11	11 52.13	− 3 36.0	1.942	2.895	7.5	20.2
4 21	11 46.15	− 2 51.3	2.005	2.898	11.0	20.4
5 1	11 42.20	− 2 17.3	2.091	2.900	14.0	20.6
464911	2005 TZ_{12}		3 22.5	187.°59	2.°6/25.4	17
2 21	12 27.83	−12 6.6	2.016	2.842	13.0	22.0
3 2	12 22.70	−11 25.6	1.935	2.842	9.8	21.7
3 12	12 15.87	−10 25.1	1.879	2.841	6.2	21.5
3 22	12 8.06	− 9 8.9	1.851	2.840	3.0	21.3
4 1	12 0.14	− 7 42.9	1.851	2.839	3.8	21.4
4 11	11 53.03	− 6 15.1	1.880	2.837	7.4	21.6
4 21	11 47.47	− 4 52.9	1.935	2.835	11.0	21.8
5 1	11 43.96	− 3 42.5	2.014	2.833	14.1	22.0
264973	2003 BQ_{18}		3 22.5	108.°32	1.°5/23.9	18
2 21	12 31.59	− 7 17.5	1.963	2.803	12.8	21.4
3 2	12 25.17	− 6 53.8	1.905	2.823	9.2	21.2
3 12	12 17.08	− 6 16.2	1.872	2.843	5.3	21.0
3 22	12 8.12	− 5 28.6	1.868	2.862	1.7	20.8
4 1	11 59.23	− 4 36.7	1.892	2.880	3.7	20.9
4 11	11 51.35	− 3 46.5	1.945	2.898	7.5	21.2
4 21	11 45.16	− 3 3.3	2.024	2.916	11.0	21.4
5 1	11 41.10	− 2 31.0	2.126	2.932	13.9	21.7
159376	1997 GW_{31}		3 22.5	135.°22	0.°8/23.5	17
2 21	12 25.88	− 7 48.3	1.958	2.806	12.5	19.8
3 2	12 21.32	− 6 38.4	1.884	2.808	9.0	19.6
3 12	12 15.13	− 5 11.4	1.836	2.810	5.0	19.4
3 22	12 8.02	− 3 32.8	1.816	2.811	1.1	19.1
4 1	12 0.85	− 1 50.6	1.825	2.813	3.8	19.3
4 11	11 54.49	− 0 13.4	1.862	2.814	7.8	19.6
4 21	11 49.65	+ 1 11.7	1.925	2.816	11.5	19.8
5 1	11 46.80	+ 2 19.8	2.011	2.817	14.6	20.0
14356	1987 SF_6		3 22.5	190.°31	0.°4/22.0	18
2 21	12 29.86	− 2 38.1	2.152	3.006	11.2	19.5
3 2	12 24.00	− 1 43.4	2.075	3.004	7.9	19.3
3 12	12 16.52	− 0 37.7	2.025	3.003	4.1	19.1
3 22	12 8.09	+ 0 33.8	2.004	3.000	0.4	18.8
4 1	11 59.58	+ 1 44.7	2.013	2.996	4.1	19.1
4 11	11 51.84	+ 2 48.6	2.051	2.992	7.9	19.3
4 21	11 45.58	+ 3 40.6	2.115	2.987	11.4	19.5
5 1	11 41.28	+ 4 17.6	2.201	2.982	14.3	19.7
174586	2003 QQ_{39}		3 22.5	199.°87	0.°1/22.6	17
2 21	12 31.50	− 3 32.5	2.157	3.005	11.4	22.1
3 2	12 25.18	− 2 52.2	2.075	3.001	8.1	21.8
3 12	12 17.16	− 2 0.7	2.020	2.996	4.3	21.6
3 22	12 8.13	− 1 2.3	1.993	2.990	0.2	21.2
4 1	11 58.96	− 0 2.7	1.997	2.983	3.9	21.5
4 11	11 50.57	+ 0 52.0	2.030	2.975	7.8	21.8
4 21	11 43.69	+ 1 36.9	2.089	2.966	11.3	22.0
5 1	11 38.83	+ 2 8.7	2.171	2.956	14.3	22.1
431825	2008 RF_{122}		3 22.5	179.°62	0.°4/22.2	17
2 21	12 29.94	− 1 19.6	2.149	3.006	11.1	21.6
3 2	12 24.04	− 0 53.6	2.076	3.007	7.8	21.4
3 12	12 16.53	− 0 19.2	2.029	3.007	4.1	21.2
3 22	12 8.11	+ 0 19.5	2.011	3.008	0.4	20.9
4 1	11 59.62	+ 0 57.6	2.023	3.007	3.9	21.2
4 11	11 51.92	+ 1 30.0	2.063	3.007	7.7	21.4
4 21	11 45.72	+ 1 53.1	2.128	3.006	11.1	21.6
5 1	11 41.47	+ 2 4.4	2.216	3.005	13.9	21.8
335839	2007 MQ_1		3 22.5	326.°69	3.°3/25.7	17
2 21	12 27.58	−11 57.8	1.819	2.652	13.9	20.9
3 2	12 22.72	−11 47.7	1.739	2.647	10.6	20.7
3 12	12 15.97	−11 18.3	1.682	2.643	6.9	20.5
3 22	12 8.08	−10 32.0	1.651	2.638	3.7	20.2
4 1	12 0.02	− 9 33.8	1.647	2.634	4.4	20.3
4 11	11 52.82	− 8 30.8	1.671	2.630	7.9	20.5
4 21	11 47.30	− 7 30.4	1.719	2.626	11.7	20.7
5 1	11 44.02	− 6 38.9	1.789	2.623	15.0	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
98432	2000 UR_{36}		3 22.5	346.°04	1.°6/21.4	18
	h m	° ′			°	m
2 21	12 30.18	+ 0 32.7	1.297	2.180	15.2	18.8
3 2	12 25.00	+ 1 9.9	1.233	2.176	10.6	18.5
3 12	12 17.33	+ 1 58.7	1.191	2.173	5.5	18.2
3 22	12 8.16	+ 2 51.6	1.175	2.170	1.6	17.9
4 1	11 58.85	+ 3 40.0	1.184	2.168	6.2	18.2
4 11	11 50.81	+ 4 15.6	1.217	2.166	11.4	18.5
4 21	11 45.08	+ 4 33.4	1.272	2.165	16.0	18.8
5 1	11 42.26	+ 4 31.3	1.345	2.164	19.8	19.0
38409	1999 RK_{205}		3 22.5	237.°53	4.°7/28.9	18
2 21	12 26.28	−20 27.4	2.838	3.604	11.2	19.3
3 2	12 21.35	−20 22.6	2.738	3.593	9.2	19.2
3 12	12 15.10	−20 0.2	2.662	3.582	7.0	19.0
3 22	12 8.04	−19 20.9	2.612	3.570	5.1	18.9
4 1	12 0.83	−18 26.9	2.591	3.558	4.8	18.8
4 11	11 54.15	−17 22.8	2.599	3.546	6.2	18.9
4 21	11 48.58	−16 13.9	2.634	3.533	8.5	19.0
5 1	11 44.57	−15 5.6	2.695	3.520	10.8	19.2
337758	2001 UK_{124}		3 22.5	153.°13	6.°0/13.6	17
2 21	12 28.93	+22 2.0	2.907	3.767	8.5	21.4
3 2	12 22.98	+23 7.3	2.866	3.776	6.8	21.3
3 12	12 15.84	+24 4.2	2.852	3.784	6.0	21.2
3 22	12 8.08	+24 47.6	2.867	3.792	6.5	21.3
4 1	12 0.37	+25 13.9	2.910	3.799	7.9	21.4
4 11	11 53.37	+25 21.4	2.979	3.805	9.7	21.5
4 21	11 47.59	+25 10.6	3.070	3.811	11.4	21.6
5 1	11 43.38	+24 43.0	3.179	3.817	12.9	21.8
354497	2004 JE_{54}		3 22.5	247.°40	4.°1/28.0	17
2 21	12 25.42	−18 8.8	2.562	3.349	11.7	20.9
3 2	12 20.82	−17 43.7	2.466	3.339	9.4	20.7
3 12	12 14.84	−16 59.5	2.393	3.330	6.8	20.5
3 22	12 8.04	−15 57.8	2.348	3.320	4.6	20.4
4 1	12 1.09	−14 42.4	2.332	3.310	4.3	20.3
4 11	11 54.74	−13 18.8	2.345	3.299	6.3	20.4
4 21	11 49.60	−11 53.7	2.386	3.289	9.0	20.6
5 1	11 46.10	−10 33.1	2.451	3.278	11.6	20.7
275603	1999 VW_{211}		3 22.5	173.°55	2.°1/20.1	17
2 21	12 29.52	+ 4 21.0	2.377	3.243	9.9	21.5
3 2	12 23.60	+ 5 4.6	2.310	3.246	6.8	21.3
3 12	12 16.25	+ 5 52.0	2.270	3.248	3.6	21.1
3 22	12 8.11	+ 6 38.1	2.259	3.250	2.2	21.0
4 1	11 59.94	+ 7 18.1	2.278	3.251	4.8	21.2
4 11	11 52.51	+ 7 47.8	2.326	3.252	8.0	21.4
4 21	11 46.44	+ 8 4.8	2.399	3.252	10.9	21.5
5 1	11 42.15	+ 8 7.8	2.494	3.252	13.4	21.7
353830	2012 UX_{97}		3 22.5	122.°57	1.°6/24.3	17
2 21	12 29.18	− 7 27.1	2.439	3.273	10.8	20.9
3 2	12 23.35	− 7 22.1	2.368	3.281	7.9	20.7
3 12	12 16.12	− 7 6.0	2.322	3.289	4.7	20.5
3 22	12 8.10	− 6 41.2	2.305	3.297	1.8	20.3
4 1	12 0.05	− 6 11.4	2.318	3.305	3.2	20.4
4 11	11 52.72	− 5 40.7	2.359	3.312	6.4	20.7
4 21	11 46.71	− 5 13.2	2.428	3.319	9.4	20.9
5 1	11 42.45	− 4 52.3	2.520	3.326	12.0	21.0
379724	2011 GP_{42}		3 22.5	198.°63	0.°6/21.9	17
2 21	12 27.63	− 2 16.6	1.963	2.825	11.8	21.5
3 2	12 22.56	− 1 22.1	1.891	2.824	8.3	21.3
3 12	12 15.81	− 0 16.1	1.844	2.823	4.3	21.1
3 22	12 8.09	+ 0 55.6	1.826	2.822	0.6	20.8
4 1	12 0.29	+ 2 6.2	1.836	2.820	4.4	21.1
4 11	11 53.32	+ 3 8.8	1.874	2.818	8.4	21.3
4 21	11 47.88	+ 3 58.4	1.937	2.817	12.0	21.5
5 1	11 44.49	+ 4 31.8	2.022	2.814	15.0	21.7
425122	2009 SD_{189}		3 22.5	197.°09	7.°1/30.2	17
2 21	12 30.49	−23 57.0	2.136	2.890	14.8	21.2
3 2	12 24.69	−24 17.2	2.048	2.888	12.4	21.0
3 12	12 17.00	−24 13.2	1.982	2.886	9.9	20.8
3 22	12 8.16	−23 44.4	1.941	2.884	7.8	20.7
4 1	11 59.09	−22 52.6	1.926	2.880	7.2	20.6
4 11	11 50.84	−21 43.6	1.938	2.877	8.5	20.7
4 21	11 44.20	−20 25.1	1.976	2.873	10.9	20.9
5 1	11 39.77	−19 5.1	2.037	2.869	13.5	21.0
208247	2000 US_{32}		3 22.5	71.°45	0.°6/22.1	18
2 21	12 31.05	− 2 24.3	1.392	2.264	15.1	20.3
3 2	12 25.26	− 1 35.9	1.343	2.281	10.5	20.1
3 12	12 17.29	− 0 33.8	1.317	2.297	5.4	19.8
3 22	12 8.17	+ 0 34.4	1.318	2.314	0.6	19.5
4 1	11 59.17	+ 1 39.8	1.345	2.331	5.3	19.9
4 11	11 51.52	+ 2 34.0	1.398	2.348	10.1	20.2
4 21	11 46.07	+ 3 11.8	1.474	2.364	14.3	20.5
5 1	11 43.29	+ 3 30.5	1.569	2.381	17.7	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
166294	2002 HJ_{16}		3 22.5	208.°94	1.°7/21.0	16
	h m	° ′			°	m
2 21	12 32.34	+ 1 36.9	1.816	2.683	12.4	20.3
3 2	12 26.01	+ 2 18.0	1.742	2.678	8.6	20.0
3 12	12 17.70	+ 3 7.1	1.693	2.673	4.5	19.8
3 22	12 8.20	+ 3 58.3	1.673	2.667	1.7	19.6
4 1	11 58.57	+ 4 44.9	1.681	2.661	5.3	19.8
4 11	11 49.89	+ 5 20.7	1.717	2.654	9.5	20.0
4 21	11 43.00	+ 5 42.1	1.777	2.647	13.3	20.2
5 1	11 38.46	+ 5 47.0	1.857	2.639	16.5	20.4
240466	2004 BZ_3		3 22.5	340.°70	5.°4/16.7	17
2 21	12 27.20	+12 21.7	1.905	2.789	11.0	19.8
3 2	12 22.30	+13 35.2	1.847	2.786	8.0	19.6
3 12	12 15.68	+14 46.7	1.814	2.782	5.7	19.5
3 22	12 8.10	+15 48.4	1.809	2.779	5.8	19.5
4 1	12 0.47	+16 33.5	1.831	2.777	8.2	19.6
4 11	11 53.74	+16 57.7	1.878	2.774	11.3	19.8
4 21	11 48.62	+16 59.7	1.948	2.772	14.2	20.0
5 1	11 45.60	+16 40.6	2.036	2.770	16.7	20.1
73173	2002 HV_2		3 22.5	219.°74	1.°8/20.7	18
2 21	12 29.80	+ 0 36.9	1.776	2.646	12.4	19.9
3 2	12 24.27	+ 1 45.9	1.702	2.640	8.6	19.7
3 12	12 16.80	+ 3 5.7	1.652	2.633	4.5	19.4
3 22	12 8.16	+ 4 29.1	1.631	2.625	1.9	19.2
4 1	11 59.36	+ 5 47.5	1.638	2.617	5.6	19.4
4 11	11 51.47	+ 6 53.4	1.673	2.608	9.9	19.6
4 21	11 45.33	+ 7 41.4	1.731	2.599	13.7	19.9
5 1	11 41.49	+ 8 9.1	1.810	2.589	17.0	20.1
96851	1999 RE_{229}		3 22.5	285.°40	9.°2/31.3	18
2 21	12 29.57	−27 19.5	1.965	2.705	16.4	19.3
3 2	12 24.42	−27 57.1	1.860	2.683	14.2	19.1
3 12	12 17.07	−28 7.9	1.775	2.661	11.9	18.9
3 22	12 8.20	−27 48.7	1.713	2.638	9.9	18.7
4 1	11 58.84	−26 59.5	1.675	2.616	9.2	18.6
4 11	11 50.18	−25 45.1	1.662	2.593	10.2	18.6
4 21	11 43.24	−24 13.8	1.673	2.570	12.5	18.7
5 1	11 38.80	−22 35.7	1.707	2.548	15.3	18.8
298289	2003 AF_{70}		3 22.5	346.°82	5.°0/27.8	17
2 21	12 28.32	−17 19.0	2.192	2.988	13.2	20.2
3 2	12 23.04	−17 34.2	2.110	2.987	10.5	20.1
3 12	12 16.10	−17 30.5	2.050	2.986	7.7	19.9
3 22	12 8.14	−17 8.5	2.016	2.985	5.5	19.7
4 1	12 0.04	−16 30.9	2.011	2.985	5.2	19.7
4 11	11 52.67	−15 42.7	2.032	2.984	7.3	19.8
4 21	11 46.77	−14 50.3	2.080	2.983	10.1	20.0
5 1	11 42.85	−13 59.7	2.151	2.983	12.9	20.2
340784	2006 SW_{391}		3 22.5	110.°82	2.°8/26.3	17
2 21	12 26.07	−13 34.5	2.474	3.286	11.4	21.0
3 2	12 21.18	−13 2.8	2.402	3.297	8.6	20.8
3 12	12 14.99	−12 15.1	2.354	3.308	5.7	20.6
3 22	12 8.08	−11 14.1	2.335	3.319	3.2	20.5
4 1	12 1.16	−10 4.4	2.345	3.330	3.4	20.5
4 11	11 54.94	− 8 51.8	2.384	3.340	6.1	20.7
4 21	11 49.97	− 7 42.0	2.450	3.350	9.0	20.9
5 1	11 46.65	− 6 39.8	2.541	3.360	11.5	21.1
294016	2007 TZ_{108}		3 22.5	237.°00	1.°5/23.8	16
2 21	12 32.95	− 6 33.1	1.785	2.630	13.6	21.4
3 2	12 26.63	− 6 19.5	1.696	2.617	10.0	21.2
3 12	12 18.14	− 5 50.8	1.633	2.604	5.8	20.9
3 22	12 8.26	− 5 10.2	1.596	2.590	1.8	20.6
4 1	11 58.08	− 4 22.9	1.588	2.576	4.2	20.7
4 11	11 48.76	− 3 35.9	1.608	2.561	8.7	21.0
4 21	11 41.26	− 2 55.3	1.652	2.545	12.9	21.2
5 1	11 36.23	− 2 26.1	1.718	2.529	16.5	21.4
378884	2008 TJ_{174}		3 22.6	2.°21	5.°4/28.6	17
2 21	12 25.42	−19 21.0	1.822	2.622	15.3	20.9
3 2	12 21.24	−18 58.9	1.742	2.621	12.3	20.7
3 12	12 15.22	−18 10.3	1.684	2.621	9.0	20.5
3 22	12 8.11	−16 56.9	1.650	2.621	6.1	20.4
4 1	12 0.89	−15 24.1	1.644	2.622	5.6	20.3
4 11	11 54.55	−13 40.8	1.664	2.623	8.0	20.5
4 21	11 49.89	−11 56.7	1.710	2.624	11.3	20.7
5 1	11 47.43	−10 20.5	1.779	2.626	14.5	20.9
61168	2000 NU_{20}		3 22.6	304.°07	5.°8/17.4	18
2 21	12 28.32	+ 8 6.1	1.295	2.191	14.3	19.0
3 2	12 23.81	+ 9 47.4	1.230	2.178	10.2	18.7
3 12	12 16.79	+11 34.8	1.188	2.165	6.6	18.4
3 22	12 8.20	+13 15.8	1.172	2.152	6.4	18.4
4 1	11 59.38	+14 37.7	1.180	2.140	10.0	18.6
4 11	11 51.74	+15 31.4	1.212	2.128	14.5	18.8
4 21	11 46.36	+15 53.3	1.263	2.116	18.7	19.0
5 1	11 43.91	+15 44.4	1.330	2.105	22.2	19.2

251992 2000 EO_{53} 3 22.6 108.°75 0.°2/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.25	− 3 11.1	1.772	2.633	13.0	20.4
3 2	12 24.43	− 2 25.1	1.714	2.646	9.1	20.2
3 12	12 16.80	− 1 26.9	1.681	2.659	4.8	20.0
3 22	12 8.20	− 0 22.4	1.675	2.671	0.3	19.6
4 1	11 59.63	+ 0 41.2	1.698	2.684	4.4	20.0
4 11	11 52.11	+ 1 37.1	1.748	2.696	8.6	20.3
4 21	11 46.37	+ 2 20.1	1.823	2.707	12.3	20.5
5 1	11 42.87	+ 2 47.4	1.919	2.719	15.4	20.7

489466 2007 DD_{31} 3 22.6 46.°38 1.°8/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.92	− 5 40.8	1.219	2.086	17.2	21.1
3 2	12 27.76	− 5 43.4	1.159	2.090	12.5	20.9
3 12	12 18.85	− 5 28.2	1.120	2.095	7.2	20.6
3 22	12 8.31	− 4 59.2	1.105	2.100	2.1	20.3
4 1	11 57.69	− 4 23.0	1.116	2.105	5.2	20.5
4 11	11 48.53	− 3 48.3	1.151	2.111	10.6	20.8
4 21	11 41.96	− 3 22.1	1.208	2.116	15.5	21.1
5 1	11 38.59	− 3 9.4	1.284	2.122	19.5	21.4

318604 2005 JN_{54} 3 22.6 243.°18 4.°0/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.32	+ 7 0.0	1.710	2.591	12.3	21.1
3 2	12 24.70	+ 8 7.5	1.642	2.584	8.6	20.8
3 12	12 17.06	+ 9 19.0	1.599	2.576	5.1	20.6
3 22	12 8.22	+10 26.2	1.583	2.568	4.3	20.5
4 1	11 59.25	+11 21.2	1.595	2.560	7.3	20.7
4 11	11 51.25	+11 57.7	1.633	2.552	11.2	20.9
4 21	11 45.10	+12 12.9	1.693	2.544	14.8	21.1
5 1	11 41.34	+12 6.7	1.773	2.535	17.9	21.3

369287 2009 RV_{34} 3 22.6 171.°16 0.°5/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.54	− 5 19.7	2.010	2.861	12.1	21.8
3 2	12 23.18	− 4 36.5	1.937	2.863	8.6	21.6
3 12	12 16.15	− 3 39.9	1.889	2.864	4.7	21.4
3 22	12 8.17	− 2 34.8	1.870	2.866	0.7	21.1
4 1	12 0.12	− 1 27.2	1.879	2.867	3.8	21.3
4 11	11 52.90	− 0 24.1	1.917	2.867	7.8	21.6
4 21	11 47.22	+ 0 29.2	1.980	2.868	11.4	21.8
5 1	11 43.56	+ 1 8.7	2.066	2.868	14.4	22.0

222783 2002 CO_{171} 3 22.6 53.°23 4.°2/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.67	+ 7 50.8	1.631	2.515	12.5	19.9
3 2	12 24.13	+ 8 51.5	1.582	2.524	8.8	19.7
3 12	12 16.67	+ 9 53.5	1.557	2.534	5.3	19.5
3 22	12 8.20	+10 48.9	1.560	2.544	4.5	19.5
4 1	11 59.80	+11 30.3	1.590	2.555	7.4	19.7
4 11	11 52.54	+11 53.0	1.645	2.565	11.1	19.9
4 21	11 47.18	+11 55.2	1.722	2.576	14.5	20.1
5 1	11 44.19	+11 37.6	1.818	2.587	17.3	20.4

308273 2005 GL_{156} 3 22.6 252.°36 0.°7/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.42	− 1 19.0	2.325	3.177	10.6	21.1
3 2	12 25.23	− 0 32.8	2.221	3.150	7.5	20.9
3 12	12 17.31	+ 0 23.4	2.144	3.122	3.9	20.6
3 22	12 8.25	+ 1 25.5	2.097	3.093	0.7	20.3
4 1	11 58.86	+ 2 27.6	2.080	3.062	4.2	20.5
4 11	11 50.04	+ 3 23.9	2.093	3.031	8.0	20.7
4 21	11 42.55	+ 4 9.6	2.133	2.999	11.6	20.8
5 1	11 36.98	+ 4 41.3	2.195	2.965	14.6	21.0

176824 2002 TH_{109} 3 22.6 235.°35 4.°0/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.76	+ 7 31.5	1.811	2.689	11.8	20.6
3 2	12 24.95	+ 8 38.3	1.740	2.680	8.3	20.3
3 12	12 17.18	+ 9 48.3	1.694	2.670	5.0	20.1
3 22	12 8.24	+10 54.0	1.676	2.660	4.3	20.0
4 1	11 59.14	+11 47.5	1.687	2.650	7.2	20.2
4 11	11 50.97	+12 23.1	1.723	2.639	11.0	20.4
4 21	11 44.55	+12 37.9	1.783	2.628	14.4	20.6
5 1	11 40.46	+12 31.9	1.862	2.616	17.4	20.8

435985 2009 ED_{7} 3 22.6 10.°77 1.°7/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.81	+ 2 59.7	1.855	2.728	11.9	21.1
3 2	12 24.13	+ 3 17.5	1.791	2.729	8.2	20.9
3 12	12 16.67	+ 3 40.2	1.751	2.731	4.3	20.7
3 22	12 8.21	+ 4 3.1	1.739	2.734	1.7	20.5
4 1	11 59.71	+ 4 21.1	1.756	2.736	5.0	20.7
4 11	11 52.16	+ 4 30.0	1.799	2.740	8.9	21.0
4 21	11 46.30	+ 4 27.0	1.866	2.743	12.5	21.2
5 1	11 42.62	+ 4 11.0	1.955	2.747	15.4	21.4

24207 1999 XJ_{49} 3 22.6 299.°46 4.°3/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.14	+ 7 8.4	1.449	2.334	13.8	17.9
3 2	12 26.58	+ 7 58.5	1.360	2.303	9.9	17.6
3 12	12 18.36	+ 8 54.0	1.294	2.272	5.8	17.3
3 22	12 8.31	+ 9 46.3	1.254	2.241	4.6	17.1
4 1	11 57.71	+10 26.2	1.240	2.210	8.3	17.3
4 11	11 48.02	+10 46.1	1.250	2.179	13.1	17.4
4 21	11 40.47	+10 42.3	1.282	2.148	17.7	17.6
5 1	11 35.89	+10 14.4	1.331	2.117	21.6	17.8

16432 1988 VL_{2} 3 22.6 76.°32 5.°6/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.09	−18 9.4	1.546	2.358	17.0	17.0
3 2	12 23.97	−17 53.7	1.480	2.369	13.5	16.8
3 12	12 16.71	−17 9.4	1.435	2.379	9.6	16.6
3 22	12 8.21	−15 58.7	1.414	2.390	6.3	16.4
4 1	11 59.68	−14 28.1	1.420	2.400	6.0	16.4
4 11	11 52.30	−12 48.1	1.451	2.411	8.8	16.6
4 21	11 46.98	−11 9.3	1.507	2.422	12.5	16.9
5 1	11 44.23	− 9 41.0	1.585	2.432	16.0	17.1

435377 2007 WL_{14} 3 22.6 55.°77 3.°4/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.51	−14 3.1	2.010	2.830	13.3	21.1
3 2	12 21.70	−13 38.0	1.948	2.847	10.2	21.0
3 12	12 15.34	−12 53.7	1.910	2.864	6.8	20.8
3 22	12 8.14	−11 53.3	1.898	2.881	3.9	20.6
4 1	12 0.96	−10 42.2	1.914	2.899	4.1	20.7
4 11	11 54.67	− 9 27.7	1.958	2.916	7.0	20.9
4 21	11 49.91	− 8 16.5	2.028	2.934	10.2	21.1
5 1	11 47.11	− 7 14.5	2.121	2.952	13.1	21.3

52151 1180 $T\text{-}_{1}$ 3 22.6 100.°14 2.°5/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.61	− 8 17.8	1.368	2.221	16.5	18.7
3 2	12 27.29	− 8 8.6	1.308	2.231	12.1	18.5
3 12	12 18.51	− 7 39.5	1.270	2.241	7.2	18.2
3 22	12 8.31	− 6 54.4	1.257	2.250	2.8	18.0
4 1	11 58.10	− 6 0.4	1.271	2.260	4.9	18.1
4 11	11 49.24	− 5 6.3	1.310	2.269	9.7	18.4
4 21	11 42.74	− 4 20.1	1.373	2.278	14.2	18.7
5 1	11 39.17	− 3 47.3	1.455	2.286	17.9	18.9

377763 2005 YH_{70} 3 22.6 220.°25 3.°6/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.17	+ 7 3.7	1.900	2.778	11.3	20.6
3 2	12 23.69	+ 8 3.4	1.836	2.776	7.9	20.4
3 12	12 16.45	+ 9 5.7	1.798	2.775	4.7	20.2
3 22	12 8.21	+10 3.9	1.787	2.773	3.8	20.1
4 1	11 59.92	+10 51.1	1.805	2.770	6.6	20.3
4 11	11 52.53	+11 22.1	1.849	2.768	10.1	20.5
4 21	11 46.78	+11 34.7	1.917	2.766	13.4	20.7
5 1	11 43.17	+11 28.4	2.005	2.764	16.2	20.9

8300 Iga 3 22.6 110.°36 5.°2/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.46	−17 18.3	1.989	2.783	14.4	18.8
3 2	12 25.97	−17 34.3	1.921	2.799	11.4	18.7
3 12	12 17.64	−17 29.5	1.877	2.814	8.3	18.5
3 22	12 8.28	−17 4.7	1.859	2.828	5.7	18.4
4 1	11 58.88	−16 23.2	1.869	2.843	5.5	18.4
4 11	11 50.46	−15 31.2	1.906	2.857	7.8	18.5
4 21	11 43.78	−14 35.7	1.969	2.870	10.8	18.7
5 1	11 39.36	−13 43.3	2.056	2.883	13.6	18.9

174008 2001 YW_{8} 3 22.6 33.°08 2.°9/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.28	+ 5 56.9	2.023	2.901	10.8	20.1
3 2	12 22.23	+ 6 44.8	1.966	2.907	7.5	19.9
3 12	12 15.62	+ 7 35.4	1.935	2.913	4.2	19.7
3 22	12 8.17	+ 8 22.8	1.931	2.920	3.1	19.7
4 1	12 0.73	+ 9 1.4	1.956	2.926	5.7	19.8
4 11	11 54.16	+ 9 26.7	2.008	2.933	9.1	20.1
4 21	11 49.09	+ 9 36.5	2.084	2.941	12.2	20.3
5 1	11 45.95	+ 9 30.2	2.180	2.948	14.8	20.5

499246 2009 UF_{148} 3 22.6 202.°65 4.°8/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.81	+14 9.1	2.482	3.350	9.4	22.6
3 2	12 25.24	+15 5.6	2.415	3.344	7.0	22.5
3 12	12 17.17	+15 58.8	2.377	3.338	5.1	22.3
3 22	12 8.26	+16 42.8	2.367	3.331	5.1	22.3
4 1	11 59.29	+17 12.8	2.387	3.324	7.1	22.4
4 11	11 51.07	+17 25.7	2.434	3.316	9.6	22.6
4 21	11 44.24	+17 20.8	2.506	3.307	12.1	22.7
5 1	11 39.24	+16 59.0	2.598	3.297	14.2	22.9

381424 2008 MC_{5} 3 22.6 195.°14 5.°6/15.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.90	+16 5.6	2.431	3.303	9.4	21.0
3 2	12 23.24	+17 30.6	2.373	3.301	7.1	20.9
3 12	12 16.13	+18 51.3	2.344	3.298	5.7	20.8
3 22	12 8.20	+20 0.8	2.343	3.294	6.1	20.8
4 1	12 0.22	+20 53.4	2.370	3.290	8.0	20.9
4 11	11 52.97	+21 25.7	2.424	3.285	10.4	21.1
4 21	11 47.08	+21 36.9	2.501	3.280	12.7	21.2
5 1	11 42.98	+21 28.2	2.596	3.274	14.7	21.4

384192 2009 BH_{113} 3 22.6 115.°38 3.°8/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.19	−14 29.0	2.370	3.175	12.0	21.2
3 2	12 23.48	−14 35.9	2.295	3.183	9.4	21.0
3 12	12 16.28	−14 26.9	2.244	3.190	6.5	20.9
3 22	12 8.22	−14 3.2	2.221	3.198	4.2	20.7
4 1	12 0.09	−13 27.8	2.226	3.206	4.2	20.7
4 11	11 52.69	−12 45.7	2.260	3.213	6.6	20.9
4 21	11 46.67	−12 1.9	2.321	3.220	9.4	21.1
5 1	11 42.49	−11 21.6	2.405	3.227	12.0	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
128844	2004 SW_4		3 22.6	238.°25	0.°9/23.4	17
	h m	° ′			°	m
2 21	12 29.45	− 5 14.7	2.000	2.850	12.1	20.3
3 2	12 23.91	− 4 52.3	1.919	2.843	8.8	20.1
3 12	12 16.61	− 4 17.3	1.863	2.837	4.9	19.8
3 22	12 8.24	− 3 33.4	1.835	2.830	1.1	19.5
4 1	11 59.72	− 2 45.7	1.835	2.823	3.8	19.7
4 11	11 51.99	− 2 0.3	1.864	2.816	7.8	20.0
4 21	11 45.81	− 1 22.3	1.918	2.809	11.5	20.2
5 1	11 41.73	− 0 55.7	1.994	2.801	14.7	20.4
172837	2005 CR_{43}		3 22.6	296.°71	2.°4/24.3	18
2 21	12 31.55	− 7 37.9	1.482	2.336	15.4	19.8
3 2	12 25.92	− 7 37.5	1.405	2.329	11.4	19.6
3 12	12 17.88	− 7 19.4	1.350	2.321	6.8	19.3
3 22	12 8.32	− 6 46.4	1.321	2.314	2.7	19.0
4 1	11 58.49	− 6 4.2	1.318	2.307	4.7	19.1
4 11	11 49.72	− 5 20.3	1.341	2.300	9.5	19.4
4 21	11 43.07	− 4 42.1	1.387	2.293	14.0	19.6
5 1	11 39.22	− 4 15.4	1.453	2.286	17.9	19.8
212549	2006 SA_{24}		3 22.6	145.°44	2.°6/18.9	17
2 21	12 25.77	+ 5 29.6	2.544	3.416	9.1	20.6
3 2	12 20.96	+ 6 38.9	2.482	3.421	6.2	20.4
3 12	12 14.90	+ 7 51.3	2.449	3.426	3.5	20.3
3 22	12 8.16	+ 9 1.4	2.445	3.431	2.8	20.2
4 1	12 1.41	+10 3.7	2.471	3.436	5.1	20.4
4 11	11 55.31	+10 53.7	2.525	3.440	7.9	20.6
4 21	11 50.39	+11 28.8	2.604	3.445	10.6	20.7
5 1	11 47.05	+11 48.1	2.705	3.449	12.8	20.9
372032	2008 RW_{17}		3 22.6	151.°00	1.°6/24.3	17
2 21	12 27.72	− 8 21.3	2.001	2.843	12.5	21.1
3 2	12 22.64	− 7 47.0	1.927	2.845	9.1	20.9
3 12	12 15.91	− 6 57.1	1.877	2.847	5.4	20.7
3 22	12 8.22	− 5 55.5	1.855	2.849	1.9	20.4
4 1	12 0.45	− 4 48.0	1.862	2.850	3.6	20.6
4 11	11 53.50	− 3 41.6	1.896	2.852	7.5	20.8
4 21	11 48.08	− 2 42.4	1.957	2.853	11.0	21.0
5 1	11 44.67	− 1 55.1	2.039	2.854	14.1	21.2
268561	2006 BX_{38}		3 22.6	185.°75	2.°0/20.4	17
2 21	12 29.47	+ 2 42.3	2.108	2.976	10.9	21.2
3 2	12 23.78	+ 3 36.0	2.038	2.976	7.5	21.0
3 12	12 16.47	+ 4 35.8	1.996	2.975	3.9	20.7
3 22	12 8.25	+ 5 36.0	1.982	2.974	2.1	20.6
4 1	11 59.97	+ 6 30.4	1.997	2.973	5.1	20.8
4 11	11 52.49	+ 7 13.7	2.041	2.971	8.7	21.0
4 21	11 46.51	+ 7 42.4	2.109	2.969	11.9	21.2
5 1	11 42.50	+ 7 55.0	2.198	2.966	14.7	21.4
41498	2000 QK_{128}		3 22.6	96.°40	1.°0/21.7	18
2 21	12 32.91	− 0 51.5	1.575	2.442	13.9	19.0
3 2	12 26.39	− 0 4.6	1.527	2.462	9.7	18.8
3 12	12 17.87	+ 0 52.5	1.503	2.482	4.9	18.6
3 22	12 8.33	+ 1 53.2	1.506	2.502	1.0	18.3
4 1	11 58.93	+ 2 49.6	1.537	2.521	5.1	18.7
4 11	11 50.81	+ 3 34.9	1.596	2.540	9.6	19.0
4 21	11 44.74	+ 4 5.0	1.678	2.558	13.4	19.2
5 1	11 41.18	+ 4 17.8	1.780	2.576	16.6	19.5
54065	2000 GZ_{138}		3 22.6	250.°64	3.°4/18.2	18
2 21	12 26.49	+ 7 6.4	2.270	3.146	9.8	19.8
3 2	12 21.67	+ 8 22.9	2.196	3.136	6.9	19.6
3 12	12 15.37	+ 9 42.9	2.150	3.125	4.1	19.4
3 22	12 8.20	+10 59.8	2.132	3.114	3.7	19.4
4 1	12 0.90	+12 7.0	2.144	3.103	6.2	19.5
4 11	11 54.28	+12 59.2	2.183	3.092	9.3	19.7
4 21	11 48.98	+13 33.4	2.246	3.081	12.2	19.8
5 1	11 45.46	+13 48.7	2.329	3.069	14.7	20.0
271880	2004 UO_7		3 22.6	177.°18	1.°3/21.2	17
2 21	12 31.06	+ 1 54.8	2.293	3.154	10.4	20.9
3 2	12 24.77	+ 2 23.0	2.222	3.155	7.2	20.7
3 12	12 16.96	+ 2 56.6	2.178	3.157	3.7	20.4
3 22	12 8.29	+ 3 31.2	2.163	3.158	1.3	20.3
4 1	11 59.56	+ 4 2.3	2.178	3.158	4.3	20.5
4 11	11 51.61	+ 4 25.7	2.222	3.158	7.8	20.7
4 21	11 45.09	+ 4 38.5	2.292	3.157	10.9	20.9
5 1	11 40.46	+ 4 39.2	2.384	3.156	13.5	21.1
16566	1992 CZ_2		3 22.6	310.°51	3.°1/24.9	18
2 21	12 28.17	−10 15.1	1.290	2.148	17.0	17.9
3 2	12 23.87	− 9 57.7	1.209	2.132	12.8	17.6
3 12	12 16.96	− 9 14.9	1.148	2.117	8.0	17.3
3 22	12 8.30	− 8 10.0	1.111	2.103	3.6	17.0
4 1	11 59.24	− 6 50.4	1.099	2.088	5.2	17.0
4 11	11 51.26	− 5 27.2	1.111	2.075	10.4	17.3
4 21	11 45.55	− 4 11.5	1.145	2.061	15.4	17.5
5 1	11 42.88	− 3 11.8	1.198	2.049	19.8	17.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V	
382677	2002 TG_{314}		3 22.6	160.°06	3.°8/17.7	17	
	h m	° ′			°	m	
2 21	12 27.57	+ 9 49.9	2.393	3.269	9.4	21.6	
3 2	12 22.28	+10 57.3	2.335	3.273	6.7	21.4	
3 12	12 15.63	+12 4.5	2.305	3.276	4.3	21.3	
3 22	12 8.22	+13 5.7	2.303	3.279	4.1	21.3	
4 1	12 0.81	+13 55.3	2.330	3.282	6.3	21.4	
4 11	11 54.12	+14 29.4	2.385	3.285	9.0	21.6	
4 21	11 48.75	+14 46.4	2.464	3.287	11.6	21.8	
5 1	11 45.09	+14 46.3	2.563	3.290	13.8	21.9	
502823	2015 DM_{139}		3 22.6	109.°68	2.°7/19.7	17	
2 21	12 27.58	+ 3 36.3	1.891	2.768	11.5	21.4	
3 2	12 22.57	+ 4 46.9	1.830	2.771	7.9	21.2	
3 12	12 15.88	+ 6 3.7	1.794	2.774	4.3	21.0	
3 22	12 8.24	+ 7 19.5	1.786	2.777	2.9	20.9	
4 1	12 0.56	+ 8 27.0	1.807	2.779	5.9	21.1	
4 11	11 53.78	+ 9 19.7	1.855	2.782	9.6	21.3	
4 21	11 48.60	+ 9 54.4	1.926	2.785	12.9	21.5	
5 1	11 45.47	+10 9.6	2.017	2.787	15.8	21.7	
460028	2014 OH_{165}		3 22.6	170.°25	2.°7/20.4	18	
2 21	12 32.74	+ 3 31.7	1.520	2.397	13.7	22.0	
3 2	12 26.54	+ 4 21.5	1.458	2.399	9.5	21.7	
3 12	12 18.10	+ 5 18.3	1.420	2.400	5.1	21.5	
3 22	12 8.37	+ 6 14.4	1.409	2.401	2.9	21.3	
4 1	11 58.58	+ 7 1.7	1.425	2.402	6.5	21.6	
4 11	11 49.98	+ 7 33.7	1.467	2.402	11.0	21.8	
4 21	11 43.49	+ 7 46.9	1.532	2.402	15.0	22.1	
5 1	11 39.67	+ 7 40.5	1.615	2.402	18.4	22.3	
118505	2000 DL_{76}		3 22.6	142.°21	2.°7/24.7	18	
2 21	12 35.66	− 9 7.9	1.685	2.520	14.8	19.8	
3 2	12 28.43	− 9 5.7	1.618	2.531	10.9	19.5	
3 12	12 19.04	− 8 46.1	1.576	2.542	6.7	19.3	
3 22	12 8.42	− 8 12.1	1.560	2.551	3.0	19.1	
4 1	11 57.76	− 7 28.8	1.573	2.561	4.4	19.2	
4 11	11 48.26	− 6 43.4	1.614	2.569	8.6	19.5	
4 21	11 40.83	− 6 2.2	1.680	2.577	12.5	19.7	
5 1	11 36.01	− 5 30.7	1.768	2.584	15.9	20.0	
179799	2002 TA_{38}		3 22.6	99.°53	2.°3/20.5	18	
2 21	12 32.84	+ 3 30.2	1.795	2.665	12.3	20.6	
3 2	12 26.15	+ 4 16.3	1.749	2.686	8.5	20.4	
3 12	12 17.69	+ 5 7.2	1.728	2.707	4.5	20.2	
3 22	12 8.34	+ 5 56.3	1.735	2.727	2.4	20.1	
4 1	11 59.15	+ 6 37.5	1.771	2.747	5.6	20.4	
4 11	11 51.11	+ 7 5.7	1.834	2.766	9.4	20.6	
4 21	11 44.92	+ 7 18.6	1.922	2.785	12.8	20.9	
5 1	11 41.00	+ 7 15.4	2.030	2.804	15.5	21.1	
316755	1999 RZ_{35}		3 22.6	188.°97	2.°8/19.9	18	
2 21	12 32.94	+ 5 12.5	1.898	2.769	11.8	21.2	
3 2	12 26.36	+ 5 58.2	1.830	2.768	8.2	21.0	
3 12	12 17.90	+ 6 47.8	1.789	2.767	4.5	20.8	
3 22	12 8.36	+ 7 35.2	1.775	2.765	3.0	20.7	
4 1	11 58.76	+ 8 14.0	1.791	2.763	6.0	20.8	
4 11	11 50.11	+ 8 39.3	1.834	2.760	9.8	21.1	
4 21	11 43.22	+ 8 48.3	1.901	2.757	13.2	21.3	
5 1	11 38.60	+ 8 40.6	1.989	2.753	16.1	21.5	
508516	2016 QY_{62}		3 22.6	270.°13	2.°3/25.4	17	
2 21	12 26.10	−10 57.5	2.397	3.223	11.2	21.8	
3 2	12 21.40	−10 33.9	2.305	3.211	8.5	21.6	
3 12	12 15.25	− 9 55.2	2.238	3.199	5.4	21.4	
3 22	12 8.22	− 9 4.0	2.198	3.187	2.6	21.2	
4 1	12 1.03	− 8 4.3	2.188	3.175	3.4	21.2	
4 11	11 54.44	− 7 1.9	2.207	3.163	6.5	21.4	
4 21	11 49.09	− 6 2.2	2.252	3.151	9.7	21.6	
5 1	11 45.47	− 5 10.2	2.321	3.139	12.5	21.8	
3161	Beadell		3 22.6	312.°88	2.°5/23.9	18	R
2 21	12 35.25	− 5 25.6	1.520	2.373	15.1	16.1	
3 2	12 28.68	− 6 5.6	1.432	2.356	11.2	15.8	
3 12	12 19.46	− 6 34.3	1.367	2.339	6.7	15.5	
3 22	12 8.47	− 6 52.3	1.329	2.322	2.7	15.2	
4 1	11 56.98	− 7 2.1	1.318	2.305	5.0	15.3	
4 11	11 46.45	− 7 8.1	1.333	2.290	9.8	15.6	
4 21	11 38.08	− 7 15.1	1.372	2.274	14.4	15.8	
5 1	11 32.67	− 7 27.8	1.431	2.259	18.4	16.0	
4175	Billbaum		3 22.6	43.°32	2.°8/19.7	18	
2 21	12 25.73	+ 0 47.1	1.440	2.325	13.8	15.8	
3 2	12 21.53	+ 2 36.8	1.395	2.341	9.4	15.6	
3 12	12 15.39	+ 4 37.3	1.376	2.357	4.9	15.4	
3 22	12 8.22	+ 6 37.3	1.383	2.374	3.0	15.3	
4 1	12 1.16	+ 8 25.0	1.417	2.392	6.8	15.6	
4 11	11 55.26	+ 9 51.2	1.477	2.410	11.1	15.8	
4 21	11 51.29	+10 51.3	1.559	2.428	14.9	16.1	
5 1	11 49.68	+11 24.5	1.660	2.447	17.9	16.4	

27143 1998 XK_{63} 3 22.6 210.°43 4.°2/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.50	−14 4.4	1.845	2.659	14.6	19.6
3 2	12 27.02	−14 3.6	1.758	2.652	11.3	19.3
3 12	12 18.39	−13 41.9	1.693	2.645	7.7	19.1
3 22	12 8.41	−13 0.7	1.655	2.637	4.7	18.9
4 1	11 58.14	−12 4.1	1.645	2.628	5.0	18.9
4 11	11 48.76	−10 59.2	1.663	2.618	8.4	19.1
4 21	11 41.20	− 9 53.9	1.707	2.607	12.1	19.3
5 1	11 36.12	− 8 55.5	1.773	2.596	15.6	19.5

22517 Alexzanardi 3 22.6 99.°35 1.°5/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.99	+ 1 16.2	1.494	2.367	14.2	18.1
3 2	12 27.38	+ 1 42.5	1.437	2.375	9.9	17.9
3 12	12 18.51	+ 2 17.0	1.403	2.383	5.1	17.6
3 22	12 8.41	+ 2 53.6	1.396	2.391	1.5	17.4
4 1	11 58.32	+ 3 25.5	1.416	2.399	5.6	17.7
4 11	11 49.52	+ 3 46.7	1.463	2.407	10.2	18.0
4 21	11 42.91	+ 3 53.6	1.533	2.415	14.4	18.3
5 1	11 39.00	+ 3 44.7	1.622	2.423	17.7	18.5

170994 2005 CH_{79} 3 22.6 306.°95 7.°8/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.19	+18 14.8	1.829	2.713	11.4	19.0
3 2	12 22.54	+19 56.8	1.767	2.696	9.1	18.8
3 12	12 15.98	+21 32.7	1.731	2.681	7.8	18.7
3 22	12 8.28	+22 52.8	1.721	2.665	8.6	18.7
4 1	12 0.42	+23 49.0	1.737	2.649	10.9	18.8
4 11	11 53.44	+24 16.8	1.776	2.634	13.7	18.9
4 21	11 48.18	+24 15.7	1.835	2.619	16.5	19.1
5 1	11 45.17	+23 47.9	1.910	2.604	18.8	19.2

206256 2002 XR_{73} 3 22.6 59.°11 0.°1/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.76	− 2 20.9	1.919	2.779	12.1	20.1
3 2	12 23.92	− 1 54.1	1.873	2.804	8.5	19.9
3 12	12 16.50	− 1 17.9	1.852	2.830	4.4	19.7
3 22	12 8.30	− 0 37.2	1.859	2.855	0.2	19.4
4 1	12 0.25	+ 0 2.8	1.894	2.881	3.9	19.7
4 11	11 53.21	+ 0 36.7	1.958	2.906	7.8	20.0
4 21	11 47.82	+ 1 0.8	2.046	2.932	11.1	20.3
5 1	11 44.47	+ 1 12.8	2.156	2.957	13.9	20.5

207238 2005 EE_{168} 3 22.6 145.°82 0.°3/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.04	− 4 1.0	2.306	3.157	10.7	21.2
3 2	12 22.67	− 3 27.1	2.236	3.162	7.6	21.0
3 12	12 15.87	− 2 43.1	2.192	3.167	4.1	20.8
3 22	12 8.28	− 1 53.0	2.176	3.172	0.4	20.5
4 1	12 0.64	− 1 1.6	2.190	3.177	3.4	20.7
4 11	11 53.75	− 0 14.3	2.233	3.182	7.0	21.0
4 21	11 48.19	+ 0 24.8	2.303	3.186	10.1	21.2
5 1	11 44.42	+ 0 52.7	2.394	3.190	12.8	21.4

77669 2001 MY_{9} 3 22.6 118.°86 4.°0/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.90	+10 2.9	2.197	3.074	10.1	19.8
3 2	12 23.29	+10 57.9	2.142	3.080	7.2	19.6
3 12	12 16.19	+11 52.1	2.114	3.086	4.6	19.5
3 22	12 8.29	+12 39.5	2.114	3.092	4.2	19.5
4 1	12 0.42	+13 14.9	2.143	3.098	6.5	19.6
4 11	11 53.38	+13 34.6	2.198	3.104	9.4	19.8
4 21	11 47.80	+13 37.3	2.278	3.110	12.2	20.0
5 1	11 44.09	+13 23.3	2.378	3.115	14.5	20.2

121002 1998 YZ_{15} 3 22.6 348.°31 3.°1/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.16	− 9 27.3	1.277	2.135	17.1	19.5
3 2	12 25.17	− 9 21.3	1.208	2.132	12.8	19.2
3 12	12 17.58	− 8 52.6	1.160	2.129	7.9	18.9
3 22	12 8.38	− 8 4.5	1.136	2.127	3.5	18.7
4 1	11 58.96	− 7 4.0	1.136	2.126	5.2	18.7
4 11	11 50.79	− 6 1.0	1.162	2.125	10.1	19.0
4 21	11 44.98	− 5 5.0	1.210	2.124	14.9	19.3
5 1	11 42.20	− 4 23.1	1.276	2.124	19.0	19.5

386169 2007 UX_{48} 3 22.6 82.°47 2.°2/25.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.54	−10 58.4	2.221	3.049	11.9	21.1
3 2	12 21.65	−10 25.3	2.154	3.062	8.9	20.9
3 12	12 15.34	− 9 36.5	2.111	3.074	5.5	20.7
3 22	12 8.25	− 8 35.4	2.097	3.087	2.6	20.5
4 1	12 1.16	− 7 27.4	2.111	3.099	3.4	20.6
4 11	11 54.84	− 6 18.5	2.154	3.111	6.6	20.8
4 21	11 49.91	− 5 14.8	2.224	3.123	9.8	21.0
5 1	11 46.76	− 4 20.8	2.317	3.136	12.5	21.3

250601 2005 EF_{154} 3 22.6 266.°24 0.°8/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.17	− 4 9.1	1.636	2.494	14.0	20.4
3 2	12 26.24	− 3 56.5	1.553	2.483	10.1	20.1
3 12	12 18.04	− 3 30.4	1.495	2.470	5.6	19.8
3 22	12 8.41	− 2 54.6	1.462	2.458	1.0	19.4
4 1	11 58.49	− 2 14.8	1.458	2.446	4.5	19.7
4 11	11 49.51	− 1 38.0	1.480	2.433	9.3	19.9
4 21	11 42.47	− 1 10.0	1.526	2.420	13.7	20.1
5 1	11 38.03	− 0 54.9	1.592	2.408	17.4	20.3

498960 2009 BQ_{94} 3 22.6 90.°10 3.°2/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.06	+ 6 18.4	2.216	3.092	10.1	21.2
3 2	12 21.94	+ 7 35.5	2.170	3.110	6.9	21.1
3 12	12 15.45	+ 8 54.7	2.151	3.127	4.0	20.9
3 22	12 8.26	+10 9.6	2.161	3.145	3.4	20.9
4 1	12 1.14	+11 13.7	2.200	3.163	5.8	21.1
4 11	11 54.85	+12 2.7	2.267	3.180	8.8	21.3
4 21	11 49.94	+12 34.1	2.358	3.197	11.6	21.5
5 1	11 46.79	+12 47.6	2.470	3.214	13.9	21.7

384250 2009 DZ_{138} 3 22.6 63.°12 1.°1/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.41	− 5 42.8	2.108	2.956	11.7	21.2
3 2	12 23.02	− 5 27.0	2.043	2.966	8.4	21.0
3 12	12 16.09	− 4 59.6	2.003	2.976	4.8	20.8
3 22	12 8.30	− 4 24.1	1.991	2.986	1.3	20.5
4 1	12 0.51	− 3 45.0	2.007	2.996	3.5	20.7
4 11	11 53.54	− 3 7.7	2.052	3.006	7.1	21.0
4 21	11 48.04	− 2 36.5	2.123	3.016	10.4	21.2
5 1	11 44.47	− 2 14.8	2.215	3.026	13.3	21.4

341524 2007 TL_{434} 3 22.6 270.°72 4.°1/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.03	−16 0.7	2.186	2.991	12.9	20.6
3 2	12 22.17	−15 51.0	2.101	2.988	10.1	20.4
3 12	12 15.71	−15 21.9	2.040	2.985	7.2	20.2
3 22	12 8.29	−14 35.1	2.005	2.982	4.6	20.1
4 1	12 0.74	−13 34.4	1.998	2.979	4.5	20.1
4 11	11 53.91	−12 26.0	2.020	2.976	7.0	20.2
4 21	11 48.49	−11 16.7	2.067	2.973	10.1	20.4
5 1	11 45.00	−10 12.6	2.138	2.970	12.9	20.6

945 Barcelona 3 22.6 61.°88 16.°7/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 45.68	−43 54.2	1.850	2.442	21.5	14.5
3 2	12 36.80	−46 31.0	1.792	2.459	20.1	14.4
3 12	12 24.17	−48 32.3	1.750	2.476	18.8	14.3
3 22	12 8.80	−49 49.3	1.725	2.493	17.6	14.2
4 1	11 52.49	−50 17.2	1.720	2.510	16.9	14.2
4 11	11 37.45	−49 58.7	1.733	2.528	16.8	14.2
4 21	11 25.46	−49 3.1	1.765	2.545	17.2	14.3
5 1	11 17.60	−47 43.0	1.814	2.563	18.0	14.4

349402 2007 YL_{12} 3 22.6 320.°11 9.°2/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.38	+25 16.5	1.997	2.865	11.4	20.1
3 2	12 23.26	+26 43.7	1.945	2.852	9.7	20.0
3 12	12 16.32	+27 58.1	1.918	2.839	9.2	19.9
3 22	12 8.33	+28 51.3	1.916	2.827	10.0	19.9
4 1	12 0.27	+29 17.3	1.939	2.814	11.8	20.0
4 11	11 53.14	+29 13.9	1.983	2.802	14.1	20.1
4 21	11 47.72	+28 42.6	2.047	2.791	16.3	20.3
5 1	11 44.49	+27 46.8	2.127	2.780	18.2	20.4

502479 2015 BB_{346} 3 22.6 154.°00 5.°7/28.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.64	−18 14.8	1.991	2.782	14.5	21.3
3 2	12 25.56	−18 35.6	1.913	2.786	11.7	21.1
3 12	12 17.56	−18 35.3	1.857	2.789	8.6	21.0
3 22	12 8.40	−18 13.7	1.826	2.792	6.2	20.8
4 1	11 59.09	−17 33.8	1.823	2.795	5.9	20.8
4 11	11 50.65	−16 41.5	1.848	2.798	8.1	20.9
4 21	11 43.91	−15 43.7	1.898	2.800	11.0	21.1
5 1	11 39.44	−14 47.8	1.971	2.802	13.9	21.3

369362 2009 UW_{20} 3 22.6 180.°07 1.°1/24.0 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.94	− 7 10.9	2.676	3.506	10.1	23.1
3 2	12 23.88	− 6 42.4	2.595	3.508	7.3	22.9
3 12	12 16.49	− 6 3.0	2.540	3.509	4.2	22.7
3 22	12 8.34	− 5 15.5	2.515	3.509	1.3	22.5
4 1	12 0.12	− 4 23.9	2.522	3.509	3.0	22.6
4 11	11 52.53	− 3 33.1	2.558	3.508	6.1	22.8
4 21	11 46.15	− 2 47.3	2.622	3.506	9.1	23.0
5 1	11 41.41	− 2 9.9	2.711	3.503	11.6	23.2

177099 2003 FW_{97} 3 22.6 82.°49 0.°0/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.84	− 4 6.5	2.297	3.151	10.6	20.3
3 2	12 21.10	− 3 9.2	2.238	3.166	7.5	20.1
3 12	12 15.03	− 2 1.4	2.205	3.181	3.9	19.9
3 22	12 8.26	− 0 48.2	2.200	3.197	0.2	19.6
4 1	12 1.52	+ 0 24.6	2.226	3.212	3.5	19.9
4 11	11 55.53	+ 1 31.0	2.280	3.227	7.0	20.1
4 21	11 50.84	+ 2 26.6	2.360	3.241	10.0	20.4
5 1	11 47.84	+ 3 8.5	2.464	3.256	12.6	20.6

385287 2001 TY_{26} 3 22.6 66.°29 4.°4/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 37.57	+13 18.4	2.093	2.957	11.1	20.4
3 2	12 29.18	+13 27.3	2.052	2.981	8.0	20.3
3 12	12 19.19	+13 30.9	2.037	3.005	5.2	20.2
3 22	12 8.49	+13 24.6	2.053	3.029	4.6	20.2
4 1	11 58.07	+13 5.6	2.098	3.053	6.7	20.3
4 11	11 48.85	+12 32.6	2.171	3.076	9.5	20.6
4 21	11 41.47	+11 46.8	2.269	3.100	12.2	20.8
5 1	11 36.30	+10 49.6	2.389	3.124	14.5	21.0

327871 2007 AN_3 3 22.6 319.°35 4.°1/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.20	+ 6 4.7	1.417	2.307	13.7	19.8
3 2	12 23.68	+ 7 5.5	1.341	2.288	9.6	19.5
3 12	12 16.78	+ 8 12.7	1.289	2.269	5.6	19.2
3 22	12 8.37	+ 9 17.5	1.263	2.251	4.4	19.1
4 1	11 59.66	+10 10.2	1.262	2.233	8.0	19.2
4 11	11 51.97	+10 43.2	1.285	2.216	12.6	19.4
4 21	11 46.36	+10 52.4	1.329	2.200	16.8	19.6
5 1	11 43.49	+10 37.4	1.390	2.185	20.5	19.8

124286 2001 QV_{43} 3 22.6 173.°08 0.°4/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.06	− 3 54.6	1.791	2.643	13.3	20.8
3 2	12 27.26	− 3 25.6	1.720	2.647	9.5	20.6
3 12	12 18.45	− 2 43.8	1.674	2.650	5.1	20.4
3 22	12 8.46	− 1 54.0	1.656	2.652	0.5	20.0
4 1	11 58.39	− 1 2.4	1.667	2.653	4.3	20.3
4 11	11 49.34	− 0 15.8	1.706	2.654	8.7	20.6
4 21	11 42.16	+ 0 20.7	1.770	2.654	12.6	20.8
5 1	11 37.40	+ 0 43.5	1.855	2.653	15.9	21.0

170798 2004 DH_{22} 3 22.6 17.°12 0.°2/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.62	+ 0 13.0	1.528	2.400	14.0	18.5
3 2	12 26.39	− 0 6.0	1.471	2.408	9.9	18.3
3 12	12 18.01	− 0 17.7	1.437	2.416	5.2	18.0
3 22	12 8.43	− 0 25.5	1.430	2.426	0.3	17.7
4 1	11 58.88	− 0 33.4	1.450	2.437	4.7	18.0
4 11	11 50.56	− 0 45.3	1.496	2.449	9.3	18.3
4 21	11 44.32	− 1 4.2	1.566	2.462	13.3	18.6
5 1	11 40.69	− 1 31.9	1.656	2.475	16.6	18.9

305777 2009 DO_{47} 3 22.6 78.°62 2.°4/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 36.95	− 7 18.6	1.441	2.289	16.1	20.7
3 2	12 29.40	− 7 28.1	1.393	2.313	11.7	20.5
3 12	12 19.56	− 7 20.6	1.368	2.338	6.9	20.2
3 22	12 8.52	− 6 59.4	1.369	2.361	2.7	20.0
4 1	11 57.68	− 6 30.2	1.397	2.385	4.7	20.2
4 11	11 48.33	− 5 59.9	1.452	2.409	9.2	20.5
4 21	11 41.35	− 5 34.7	1.531	2.432	13.3	20.8
5 1	11 37.23	− 5 19.2	1.631	2.454	16.7	21.1

467209 2016 ER_{143} 3 22.6 339.°34 0.°9/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.05	+ 0 4.1	1.512	2.386	14.0	20.9
3 2	12 25.46	+ 0 24.4	1.443	2.382	9.8	20.6
3 12	12 17.62	+ 0 54.4	1.398	2.378	5.1	20.3
3 22	12 8.44	+ 1 28.7	1.378	2.374	0.9	20.0
4 1	11 59.12	+ 2 0.8	1.386	2.371	5.3	20.3
4 11	11 50.89	+ 2 24.1	1.419	2.368	10.1	20.6
4 21	11 44.71	+ 2 34.4	1.476	2.366	14.3	20.8
5 1	11 41.18	+ 2 29.2	1.551	2.364	17.9	21.1

92779 2000 QR_{135} 3 22.6 229.°10 2.°8/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.80	+ 5 30.0	2.178	3.049	10.4	20.0
3 2	12 24.09	+ 6 28.5	2.100	3.038	7.3	19.8
3 12	12 16.74	+ 7 31.4	2.049	3.026	4.1	19.5
3 22	12 8.39	+ 8 32.6	2.026	3.014	3.0	19.4
4 1	11 59.90	+ 9 25.9	2.033	3.001	5.7	19.6
4 11	11 52.14	+10 6.1	2.068	2.988	9.2	19.8
4 21	11 45.82	+10 30.2	2.128	2.975	12.3	19.9
5 1	11 41.45	+10 36.9	2.208	2.960	15.1	20.1

314196 2005 JZ_{153} 3 22.6 338.°63 5.°1/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.27	+ 8 24.4	1.434	2.324	13.5	20.3
3 2	12 24.25	+ 9 43.3	1.376	2.321	9.6	20.1
3 12	12 16.98	+11 4.9	1.341	2.318	6.0	19.8
3 22	12 8.41	+12 19.1	1.333	2.315	5.5	19.8
4 1	11 59.75	+13 16.3	1.350	2.312	8.8	20.0
4 11	11 52.27	+13 49.7	1.391	2.310	12.8	20.2
4 21	11 46.88	+13 57.3	1.454	2.308	16.6	20.4
5 1	11 44.15	+13 39.9	1.533	2.306	19.8	20.6

162762 2000 WN_{115} 3 22.6 119.°34 3.°4/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.81	+ 6 10.9	1.690	2.565	12.7	20.0
3 2	12 27.01	+ 7 4.0	1.640	2.580	8.8	19.8
3 12	12 18.25	+ 7 59.8	1.616	2.593	5.0	19.6
3 22	12 8.48	+ 8 50.9	1.619	2.607	3.6	19.6
4 1	11 58.81	+ 9 30.5	1.650	2.620	6.7	19.8
4 11	11 50.35	+ 9 53.6	1.708	2.632	10.5	20.0
4 21	11 43.87	+ 9 58.3	1.789	2.644	13.9	20.3
5 1	11 39.83	+ 9 45.0	1.890	2.656	16.8	20.5

112208 2002 JA_{132} 3 22.6 184.°83 0.°8/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.11	− 0 51.2	1.705	2.569	13.2	20.4
3 2	12 25.99	− 0 14.4	1.635	2.570	9.2	20.1
3 12	12 17.83	+ 0 33.0	1.590	2.570	4.8	19.9
3 22	12 8.47	+ 1 25.2	1.573	2.569	0.8	19.6
4 1	11 59.01	+ 2 15.4	1.584	2.568	4.9	19.9
4 11	11 50.58	+ 2 56.9	1.622	2.567	9.4	20.1
4 21	11 44.02	+ 3 24.9	1.684	2.565	13.4	20.4
5 1	11 39.90	+ 3 37.0	1.767	2.563	16.7	20.6

301988 2000 NN_{10} 3 22.6 181.°19 8.°7/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.01	−31 19.4	2.283	2.976	15.5	20.3
3 2	12 26.52	−31 30.5	2.192	2.978	13.6	20.2
3 12	12 18.09	−31 13.6	2.121	2.979	11.4	20.0
3 22	12 8.49	−30 26.7	2.073	2.979	9.6	19.9
4 1	11 58.71	−29 11.6	2.052	2.978	8.7	19.8
4 11	11 49.82	−27 34.1	2.057	2.976	9.2	19.9
4 21	11 42.63	−25 42.8	2.089	2.974	11.0	20.0
5 1	11 37.72	−23 47.5	2.145	2.970	13.2	20.1

138610 2000 QY_{188} 3 22.6 167.°67 2.°3/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.21	+ 5 32.7	2.701	3.569	8.8	20.5
3 2	12 21.95	+ 6 21.0	2.635	3.572	6.0	20.3
3 12	12 15.48	+ 7 11.8	2.597	3.575	3.4	20.2
3 22	12 8.34	+ 8 0.7	2.589	3.577	2.4	20.1
4 1	12 1.17	+ 8 43.1	2.611	3.580	4.6	20.3
4 11	11 54.63	+ 9 15.4	2.661	3.581	7.4	20.4
4 21	11 49.24	+ 9 35.4	2.738	3.583	10.0	20.6
5 1	11 45.37	+ 9 42.1	2.836	3.584	12.1	20.8

341446 2007 TC_{256} 3 22.6 341.°16 3.°8/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.56	+ 9 8.5	1.969	2.845	11.1	20.3
3 2	12 24.67	+ 9 43.2	1.904	2.843	7.8	20.1
3 12	12 17.04	+10 17.6	1.866	2.841	4.8	19.9
3 22	12 8.43	+10 45.9	1.855	2.839	4.0	19.9
4 1	11 59.78	+11 3.0	1.873	2.837	6.5	20.0
4 11	11 52.05	+11 5.2	1.917	2.836	9.9	20.2
4 21	11 45.95	+10 51.2	1.985	2.834	13.0	20.4
5 1	11 41.98	+10 21.5	2.073	2.833	15.7	20.6

374584 2006 DQ_{23} 3 22.6 84.°69 0.°3/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.37	− 1 45.0	1.880	2.741	12.3	21.0
3 2	12 24.54	− 1 20.3	1.818	2.750	8.6	20.8
3 12	12 16.97	− 0 46.2	1.780	2.759	4.5	20.6
3 22	12 8.43	− 0 7.1	1.771	2.767	0.3	20.2
4 1	11 59.88	+ 0 31.4	1.790	2.776	4.2	20.6
4 11	11 52.30	+ 1 3.7	1.837	2.785	8.2	20.8
4 21	11 46.40	+ 1 25.9	1.909	2.794	11.8	21.1
5 1	11 42.66	+ 1 35.5	2.002	2.802	14.8	21.3

31494 Emmafreedman 3 22.6 194.°79 1.°5/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.50	− 7 33.2	1.872	2.712	13.3	18.9
3 2	12 26.20	− 7 5.0	1.792	2.710	9.7	18.7
3 12	12 17.94	− 6 20.8	1.737	2.707	5.6	18.4
3 22	12 8.49	− 5 24.4	1.710	2.704	1.8	18.1
4 1	11 58.88	− 4 21.8	1.711	2.700	4.0	18.3
4 11	11 50.18	− 3 20.2	1.741	2.694	8.2	18.5
4 21	11 43.22	− 2 26.1	1.797	2.688	12.1	18.7
5 1	11 38.58	− 1 44.4	1.874	2.682	15.4	19.0

400267 2007 RU_{148} 3 22.6 187.°92 1.°3/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.58	+ 0 0.8	2.002	2.863	11.7	22.4
3 2	12 25.39	+ 0 58.3	1.929	2.862	8.1	22.2
3 12	12 17.45	+ 2 5.2	1.882	2.861	4.2	21.9
3 22	12 8.47	+ 3 15.4	1.865	2.859	1.4	21.7
4 1	11 59.39	+ 4 22.0	1.876	2.857	4.8	22.0
4 11	11 51.18	+ 5 18.6	1.917	2.853	8.8	22.2
4 21	11 44.59	+ 6 0.8	1.982	2.849	12.3	22.4
5 1	11 40.12	+ 6 26.1	2.069	2.843	15.3	22.6

96650 1999 GX_{60} 3 22.6 35.°86 2.°3/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.47	− 9 51.5	1.352	2.208	16.5	19.3
3 2	12 23.81	− 9 8.3	1.287	2.211	12.2	19.0
3 12	12 16.81	− 8 0.7	1.243	2.214	7.3	18.7
3 22	12 8.43	− 6 34.3	1.225	2.218	2.7	18.5
4 1	11 59.96	− 4 58.6	1.232	2.222	4.7	18.6
4 11	11 52.70	− 3 25.3	1.265	2.226	9.7	18.9
4 21	11 47.61	− 2 4.2	1.320	2.230	14.3	19.2
5 1	11 45.28	− 1 2.1	1.396	2.235	18.2	19.4

103005 1999 XN_{99} 3 22.6 146.°25 1.°8/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.06	− 8 12.7	1.678	2.520	14.5	19.9
3 2	12 27.33	− 7 44.5	1.613	2.531	10.6	19.7
3 12	12 18.52	− 6 58.6	1.571	2.541	6.2	19.5
3 22	12 8.53	− 5 59.4	1.557	2.551	2.1	19.2
4 1	11 58.52	− 4 53.6	1.571	2.559	4.2	19.4
4 11	11 49.64	− 3 49.5	1.613	2.567	8.6	19.7
4 21	11 42.77	− 2 54.0	1.680	2.574	12.6	19.9
5 1	11 38.42	− 2 11.9	1.768	2.581	16.0	20.2

423299 2005 EM_{103} 3 22.6 9.°76 2.°0/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.41	− 4 54.2	1.669	2.521	14.1	20.2
3 2	12 27.68	− 5 30.7	1.599	2.523	10.3	20.0
3 12	12 18.77	− 5 56.3	1.553	2.525	6.0	19.7
3 22	12 8.56	− 6 12.3	1.534	2.527	2.2	19.5
4 1	11 58.21	− 6 21.6	1.543	2.531	4.4	19.6
4 11	11 48.94	− 6 28.2	1.579	2.535	8.6	19.9
4 21	11 41.66	− 6 36.3	1.640	2.539	12.6	20.1
5 1	11 36.97	− 6 49.4	1.722	2.544	16.0	20.4

210159 2006 SU_{219} 3 22.6 298.°54 1.°7/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.66	+ 1 5.1	2.163	3.033	10.5	20.3
3 2	12 21.16	+ 2 11.2	2.092	3.030	7.3	20.0
3 12	12 15.18	+ 3 25.3	2.047	3.027	3.8	19.8
3 22	12 8.35	+ 4 41.5	2.030	3.024	1.8	19.7
4 1	12 1.45	+ 5 53.2	2.043	3.021	4.8	19.9
4 11	11 55.26	+ 6 54.2	2.084	3.018	8.3	20.1
4 21	11 50.42	+ 7 40.5	2.150	3.015	11.5	20.3
5 1	11 47.38	+ 8 9.9	2.237	3.013	14.2	20.4

290752 2005 UV_{492} 3 22.6 246.°80 6.°3/28.6 17

2 21	12 30.59	−20 1.7	1.962	2.746	14.9	20.8
3 2	12 25.01	−20 19.4	1.870	2.736	12.2	20.6
3 12	12 17.40	−20 14.0	1.800	2.726	9.3	20.4
3 22	12 8.50	−19 45.0	1.755	2.716	6.9	20.2
4 1	11 59.29	−18 54.7	1.737	2.705	6.5	20.2
4 11	11 50.86	−17 49.2	1.745	2.695	8.5	20.2
4 21	11 44.12	−16 36.4	1.779	2.683	11.5	20.4
5 1	11 39.70	−15 24.6	1.836	2.672	14.6	20.6

3582 Cyrano 3 22.6 118.°03 4.°5/17.7 18

2 21	12 29.84	+12 3.6	2.234	3.108	10.0	16.6
3 2	12 23.96	+12 54.3	2.180	3.115	7.2	16.4
3 12	12 16.60	+13 42.4	2.154	3.122	4.9	16.3
3 22	12 8.46	+14 22.2	2.155	3.128	4.7	16.3
4 1	12 0.35	+14 48.6	2.186	3.135	6.8	16.4
4 11	11 53.09	+14 58.7	2.243	3.141	9.6	16.6
4 21	11 47.30	+14 51.7	2.324	3.147	12.2	16.8
5 1	11 43.40	+14 28.3	2.425	3.153	14.5	16.9

296134 2009 BN_{81} 3 22.6 135.°21 7.°2/13.5 18

2 21	12 30.16	+22 37.0	2.378	3.242	9.9	20.5
3 2	12 24.16	+23 45.3	2.337	3.248	8.1	20.4
3 12	12 16.69	+24 43.0	2.322	3.254	7.2	20.3
3 22	12 8.47	+25 24.2	2.334	3.259	7.7	20.4
4 1	12 0.30	+25 44.5	2.373	3.265	9.3	20.5
4 11	11 53.02	+25 42.2	2.437	3.270	11.3	20.6
4 21	11 47.21	+25 18.4	2.522	3.275	13.3	20.8
5 1	11 43.29	+24 35.7	2.625	3.279	15.0	20.9

521045 2015 DX_{235} 3 22.6 184.°58 2.°4/20.1 17

2 21	12 29.95	+ 5 4.8	2.206	3.075	10.4	21.8
3 2	12 24.11	+ 5 43.6	2.138	3.076	7.2	21.6
3 12	12 16.73	+ 6 25.6	2.097	3.075	3.9	21.4
3 22	12 8.48	+ 7 5.8	2.085	3.075	2.5	21.3
4 1	12 0.18	+ 7 39.1	2.102	3.074	5.2	21.5
4 11	11 52.66	+ 8 1.3	2.146	3.073	8.5	21.7
4 21	11 46.59	+ 8 10.1	2.216	3.072	11.6	21.9
5 1	11 42.43	+ 8 4.5	2.307	3.071	14.2	22.1

212057 2005 EH_{25} 3 22.6 312.°98 2.°7/20.4 17

2 21	12 28.62	+ 2 12.9	1.370	2.256	14.4	19.8
3 2	12 24.02	+ 3 13.3	1.297	2.242	10.0	19.5
3 12	12 17.02	+ 4 25.0	1.247	2.229	5.3	19.2
3 22	12 8.50	+ 5 39.5	1.223	2.216	2.8	19.0
4 1	11 59.71	+ 6 46.6	1.224	2.203	7.0	19.2
4 11	11 52.01	+ 7 37.4	1.250	2.191	11.9	19.4
4 21	11 46.43	+ 8 6.4	1.297	2.180	16.4	19.6
5 1	11 43.65	+ 8 11.5	1.362	2.169	20.2	19.9

2484 Parenago 3 22.6 195.°68 0.°2/22.9 18

2 21	12 31.79	− 4 16.4	2.088	2.935	11.8	17.8
3 2	12 25.55	− 3 35.2	2.007	2.932	8.4	17.5
3 12	12 17.56	− 2 41.8	1.953	2.928	4.5	17.3
3 22	12 8.53	− 1 40.6	1.928	2.924	0.4	16.9
4 1	11 59.37	− 0 37.6	1.932	2.919	3.9	17.2
4 11	11 51.02	+ 0 20.8	1.966	2.912	7.9	17.4
4 21	11 44.21	+ 1 9.4	2.025	2.905	11.5	17.7
5 1	11 39.48	+ 1 44.5	2.107	2.897	14.5	17.8

165243 2000 ST_{147} 3 22.6 213.°02 0.°3/22.4 17

2 21	12 32.74	− 2 20.4	1.843	2.700	12.7	21.0
3 2	12 26.42	− 1 46.9	1.763	2.693	9.0	20.8
3 12	12 18.11	− 1 1.9	1.708	2.686	4.8	20.5
3 22	12 8.57	− 0 10.2	1.682	2.678	0.3	20.1
4 1	11 58.84	+ 0 41.8	1.684	2.670	4.5	20.5
4 11	11 50.01	+ 1 27.7	1.714	2.661	8.9	20.7
4 21	11 42.93	+ 2 2.2	1.770	2.651	12.8	20.9
5 1	11 38.20	+ 2 22.1	1.846	2.640	16.1	21.1

505250 2012 UM_{123} 3 22.6 174.°45 3.°1/26.5 17

2 21	12 27.07	−13 52.3	2.530	3.338	11.3	21.7
3 2	12 22.03	−13 34.4	2.447	3.339	8.7	21.6
3 12	12 15.62	−13 0.8	2.389	3.340	5.8	21.4
3 22	12 8.42	−12 13.6	2.359	3.341	3.4	21.2
4 1	12 1.14	−11 16.5	2.359	3.342	3.6	21.2
4 11	11 54.50	−10 14.8	2.387	3.342	6.1	21.4
4 21	11 49.08	− 9 13.8	2.442	3.342	9.0	21.6
5 1	11 45.33	− 8 18.6	2.522	3.342	11.6	21.7

326349 2000 SP_{202} 3 22.6 156.°37 0.°1/22.7 18

	h m	° ′			°	m
2 21	12 27.87	− 5 5.9	2.223	3.071	11.2	21.4
3 2	12 22.64	− 4 0.0	2.152	3.078	7.9	21.2
3 12	12 15.95	− 2 41.4	2.108	3.084	4.2	20.9
3 22	12 8.44	− 1 15.5	2.093	3.089	0.3	20.6
4 1	12 0.90	+ 0 11.0	2.108	3.094	3.6	20.9
4 11	11 54.11	+ 1 31.3	2.153	3.099	7.3	21.2
4 21	11 48.71	+ 2 40.0	2.224	3.103	10.6	21.4
5 1	11 45.13	+ 3 33.6	2.317	3.106	13.4	21.6

181687 9568 *P–L* 3 22.6 131.°76 1.°9/20.5 18

2 21	12 32.57	+ 3 33.7	2.385	3.244	10.1	20.6
3 2	12 25.72	+ 4 16.8	2.331	3.264	6.9	20.4
3 12	12 17.48	+ 5 3.6	2.305	3.282	3.7	20.2
3 22	12 8.53	+ 5 49.2	2.308	3.300	2.0	20.1
4 1	11 59.67	+ 6 28.9	2.343	3.317	4.6	20.3
4 11	11 51.66	+ 6 58.6	2.407	3.333	7.7	20.6
4 21	11 45.09	+ 7 16.0	2.497	3.349	10.6	20.8
5 1	11 40.37	+ 7 20.3	2.609	3.363	12.9	21.0

46039 2001 DW_{39} 3 22.6 271.°32 0.°5/22.1 18

2 21	12 28.56	− 3 21.6	1.606	2.473	13.7	19.4
3 2	12 23.73	− 2 20.3	1.526	2.461	9.7	19.1
3 12	12 16.78	− 1 2.6	1.469	2.448	5.1	18.8
3 22	12 8.50	+ 0 24.9	1.439	2.436	0.5	18.4
4 1	11 59.97	+ 1 53.2	1.437	2.423	5.1	18.7
4 11	11 52.35	+ 3 12.7	1.461	2.410	9.9	19.0
4 21	11 46.58	+ 4 16.2	1.509	2.397	14.2	19.2
5 1	11 43.29	+ 4 59.2	1.577	2.384	17.9	19.4

336970 2011 JS_{21} 3 22.6 325.°19 0.°1/22.7 17

2 21	12 27.26	− 4 4.9	1.911	2.770	12.2	21.6
3 2	12 22.45	− 3 17.8	1.838	2.769	8.7	21.3
3 12	12 15.95	− 2 17.7	1.790	2.767	4.6	21.1
3 22	12 8.45	− 1 9.8	1.770	2.766	0.3	20.7
4 1	12 0.85	− 0 0.7	1.778	2.765	4.0	21.0
4 11	11 54.09	+ 1 2.4	1.814	2.764	8.2	21.3
4 21	11 48.89	+ 1 54.0	1.875	2.764	11.9	21.5
5 1	11 45.74	+ 2 30.4	1.958	2.763	15.0	21.7

436893 2012 TG_{50} 3 22.6 189.°93 0.°1/22.7 17

2 21	12 28.18	− 3 12.2	2.348	3.200	10.5	21.9
3 2	12 22.85	− 2 41.4	2.272	3.199	7.4	21.7
3 12	12 16.07	− 2 1.3	2.222	3.198	4.0	21.5
3 22	12 8.46	− 1 15.5	2.201	3.197	0.3	21.2
4 1	12 0.76	− 0 28.9	2.209	3.196	3.4	21.5
4 11	11 53.77	+ 0 13.7	2.247	3.194	7.0	21.7
4 21	11 48.08	+ 0 48.2	2.310	3.192	10.2	21.9
5 1	11 44.14	+ 1 11.7	2.396	3.190	12.9	22.1

12897 Bougeret 3 22.6 20.°08 1.°4/21.7 18

2 21	12 32.69	+ 0 31.0	1.141	2.027	16.6	17.1
3 2	12 27.06	+ 0 54.0	1.085	2.029	11.7	16.8
3 12	12 18.64	+ 1 28.6	1.051	2.033	6.1	16.5
3 22	12 8.61	+ 2 7.3	1.041	2.036	1.4	16.2
4 1	11 58.52	+ 2 41.7	1.055	2.041	6.4	16.6
4 11	11 49.96	+ 3 3.8	1.093	2.046	11.9	16.9
4 21	11 44.03	+ 3 9.1	1.151	2.051	16.7	17.2
5 1	11 41.32	+ 2 55.6	1.228	2.057	20.7	17.4

428041 2006 DB_{48} 3 22.6 106.°72 1.°8/24.4 18

2 21	12 31.42	− 7 45.8	2.090	2.926	12.3	21.7
3 2	12 25.15	− 7 34.3	2.028	2.943	8.9	21.5
3 12	12 17.27	− 7 9.6	1.991	2.959	5.3	21.3
3 22	12 8.53	− 6 34.8	1.983	2.975	2.0	21.1
4 1	11 59.81	− 5 54.5	2.003	2.991	3.5	21.2
4 11	11 52.01	− 5 14.2	2.053	3.007	7.1	21.5
4 21	11 45.78	− 4 38.6	2.128	3.022	10.4	21.7
5 1	11 41.59	− 4 11.7	2.226	3.036	13.2	21.9

154676 2004 GM_{24} 3 22.6 3.°35 5.°1/28.6 18

2 21	12 15.80	−24 16.9	0.906	1.744	24.1	18.9
3 2	12 15.60	−21 47.5	0.837	1.741	19.3	18.6
3 12	12 12.73	−18 5.4	0.785	1.740	13.4	18.3
3 22	12 8.26	−13 19.5	0.756	1.742	7.2	17.9
4 1	12 3.69	− 7 56.2	0.752	1.745	5.8	17.9
4 11	12 0.55	− 2 34.9	0.775	1.750	11.4	18.2
4 21	11 59.89	+ 2 8.8	0.822	1.757	17.6	18.5
5 1	12 2.22	+ 5 54.2	0.890	1.766	22.9	18.9

322704 2000 CP_{109} 3 22.6 169.°54 2.°7/25.2 16

2 21	12 31.83	−10 29.2	1.959	2.787	13.3	21.6
3 2	12 25.67	−10 19.9	1.883	2.791	10.0	21.3
3 12	12 17.66	− 9 54.0	1.831	2.793	6.3	21.1
3 22	12 8.56	− 9 13.9	1.806	2.796	3.1	20.9
4 1	11 59.35	− 8 24.4	1.811	2.797	4.0	21.0
4 11	11 51.03	− 7 31.8	1.843	2.799	7.6	21.2
4 21	11 44.38	− 6 42.3	1.901	2.799	11.2	21.4
5 1	11 39.94	− 6 1.3	1.982	2.800	14.4	21.6

229187 2004 TP_{219} 3 22.6 116.°34 0.°0/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.70	− 2 51.7	1.968	2.825	12.0	21.3
3 2	12 24.07	− 2 19.8	1.902	2.832	8.5	21.1
3 12	12 16.76	− 1 37.3	1.862	2.839	4.5	20.9
3 22	12 8.51	− 0 49.0	1.849	2.846	0.3	20.6
4 1	12 0.24	− 0 0.5	1.866	2.852	4.0	20.9
4 11	11 52.85	+ 0 42.4	1.910	2.859	7.9	21.1
4 21	11 47.06	+ 1 15.3	1.980	2.865	11.5	21.4
5 1	11 43.34	+ 1 35.2	2.071	2.871	14.4	21.6

363483 2003 SB_{347} 3 22.6 77.°41 0.°1/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.62	− 2 22.9	1.469	2.337	14.7	21.2
3 2	12 26.51	− 1 58.1	1.412	2.347	10.4	21.0
3 12	12 18.18	− 1 20.9	1.378	2.357	5.5	20.7
3 22	12 8.61	− 0 36.7	1.371	2.367	0.3	20.3
4 1	11 59.05	+ 0 7.2	1.390	2.377	4.9	20.7
4 11	11 50.76	+ 0 43.8	1.435	2.387	9.7	21.0
4 21	11 44.62	+ 1 7.9	1.504	2.397	13.9	21.3
5 1	11 41.15	+ 1 16.6	1.593	2.407	17.4	21.5

99636 2002 GF_{107} 3 22.6 252.°25 3.°3/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.21	+ 4 0.8	1.641	2.519	12.8	19.6
3 2	12 24.85	+ 5 15.6	1.566	2.508	8.9	19.4
3 12	12 17.37	+ 6 38.9	1.516	2.495	4.9	19.1
3 22	12 8.57	+ 8 2.1	1.493	2.483	3.5	19.0
4 1	11 59.54	+ 9 16.1	1.498	2.470	7.0	19.2
4 11	11 51.46	+10 12.9	1.529	2.457	11.2	19.4
4 21	11 45.25	+10 48.0	1.583	2.443	15.2	19.6
5 1	11 41.52	+10 59.9	1.655	2.429	18.5	19.8

183083 2002 RL_{54} 3 22.6 178.°38 1.°4/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.06	+ 0 53.2	2.137	2.998	11.0	21.4
3 2	12 24.96	+ 1 43.4	2.066	3.000	7.7	21.2
3 12	12 17.22	+ 2 41.2	2.022	3.001	4.0	21.0
3 22	12 8.56	+ 3 41.0	2.008	3.002	1.4	20.8
4 1	11 59.83	+ 4 36.9	2.023	3.002	4.6	21.0
4 11	11 51.92	+ 5 23.4	2.067	3.002	8.3	21.2
4 21	11 45.52	+ 5 56.6	2.136	3.000	11.6	21.4
5 1	11 41.11	+ 6 14.7	2.227	2.998	14.4	21.6

368954 2007 AF_{19} 3 22.6 13.°83 3.°9/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.45	− 9 16.3	1.482	2.326	16.0	20.1
3 2	12 28.00	− 9 59.2	1.413	2.328	12.1	19.8
3 12	12 19.09	−10 25.4	1.367	2.330	7.8	19.6
3 22	12 8.68	−10 35.4	1.345	2.333	4.3	19.4
4 1	11 58.07	−10 32.1	1.351	2.337	5.3	19.4
4 11	11 48.64	−10 20.9	1.383	2.341	9.4	19.7
4 21	11 41.44	−10 8.1	1.438	2.345	13.5	19.9
5 1	11 37.12	− 9 59.5	1.513	2.350	17.1	20.2

217281 2004 DU_{71} 3 22.6 55.°40 8.°6/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.03	+22 33.6	1.976	2.851	11.1	19.5
3 2	12 22.23	+24 33.4	1.947	2.862	9.3	19.4
3 12	12 15.79	+26 20.6	1.945	2.874	8.6	19.4
3 22	12 8.47	+27 46.3	1.969	2.885	9.5	19.5
4 1	12 1.21	+28 44.4	2.019	2.897	11.3	19.6
4 11	11 54.92	+29 12.7	2.091	2.909	13.5	19.8
4 21	11 50.26	+29 12.5	2.182	2.921	15.5	20.0
5 1	11 47.66	+28 47.1	2.289	2.933	17.2	20.1

495104 2011 UG_{146} 3 22.6 206.°61 3.°2/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.40	−12 15.8	1.782	2.608	14.5	22.1
3 2	12 25.60	−11 53.5	1.699	2.604	11.0	21.8
3 12	12 17.73	−11 10.2	1.639	2.599	7.1	21.6
3 22	12 8.60	−10 8.5	1.606	2.594	3.7	21.3
4 1	11 59.25	− 8 54.4	1.601	2.588	4.4	21.4
4 11	11 50.82	− 7 36.0	1.624	2.581	8.3	21.6
4 21	11 44.20	− 6 21.7	1.672	2.574	12.2	21.8
5 1	11 39.98	− 5 18.3	1.742	2.567	15.7	22.0

341814 2007 XR_{57} 3 22.6 85.°12 4.°9/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.57	+13 5.9	2.252	3.130	9.8	20.3
3 2	12 22.40	+14 16.0	2.204	3.139	7.2	20.1
3 12	12 15.81	+15 23.0	2.184	3.149	5.2	20.0
3 22	12 8.47	+16 20.3	2.192	3.158	5.3	20.0
4 1	12 1.18	+17 2.6	2.228	3.168	7.3	20.2
4 11	11 54.70	+17 26.6	2.290	3.177	9.9	20.4
4 21	11 49.62	+17 31.5	2.375	3.186	12.4	20.5
5 1	11 46.34	+17 18.1	2.480	3.196	14.5	20.7

100414 1996 AJ_{18} 3 22.6 205.°72 2.°5/25.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.14	−11 4.7	2.370	3.191	11.5	20.7
3 2	12 23.59	−10 50.1	2.284	3.187	8.7	20.5
3 12	12 16.52	−10 20.8	2.223	3.182	5.6	20.3
3 22	12 8.53	− 9 38.9	2.189	3.177	2.8	20.1
4 1	12 0.39	− 8 48.5	2.185	3.171	3.5	20.1
4 11	11 52.93	− 7 54.7	2.211	3.166	6.6	20.3
4 21	11 46.79	− 7 3.1	2.263	3.159	9.7	20.5
5 1	11 42.46	− 6 18.3	2.338	3.152	12.6	20.7

346234 2008 AZ_{59} 3 22.6 85.°20 3.°8/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.21	+10 14.0	2.266	3.140	9.9	20.5
3 2	12 23.53	+10 57.8	2.210	3.147	7.0	20.3
3 12	12 16.41	+11 40.5	2.182	3.154	4.5	20.2
3 22	12 8.52	+12 16.6	2.182	3.161	4.0	20.2
4 1	12 0.66	+12 41.4	2.211	3.168	6.2	20.3
4 11	11 53.62	+12 51.8	2.267	3.175	9.1	20.5
4 21	11 48.00	+12 46.7	2.347	3.182	11.7	20.7
5 1	11 44.21	+12 26.3	2.448	3.189	14.0	20.9

240047 2001 VF_{106} 3 22.6 120.°82 3.°1/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.38	+ 5 13.3	1.491	2.367	14.0	20.6
3 2	12 28.42	+ 5 51.5	1.436	2.376	9.8	20.4
3 12	12 19.18	+ 6 33.8	1.405	2.384	5.3	20.2
3 22	12 8.69	+ 7 12.8	1.401	2.392	3.3	20.0
4 1	11 58.25	+ 7 41.3	1.425	2.400	6.8	20.3
4 11	11 49.14	+ 7 54.1	1.474	2.407	11.1	20.5
4 21	11 42.27	+ 7 49.2	1.546	2.415	15.0	20.8
5 1	11 38.15	+ 7 26.6	1.637	2.421	18.3	21.0

287976 2003 UE_{153} 3 22.6 144.°87 0.°2/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.45	− 3 16.9	1.885	2.740	12.5	21.6
3 2	12 25.35	− 2 30.6	1.821	2.750	8.8	21.4
3 12	12 17.46	− 1 32.4	1.782	2.759	4.7	21.2
3 22	12 8.59	− 0 27.8	1.772	2.768	0.3	20.8
4 1	11 59.70	+ 0 36.5	1.790	2.776	4.2	21.2
4 11	11 51.79	+ 1 33.7	1.837	2.783	8.4	21.4
4 21	11 45.58	+ 2 18.8	1.909	2.790	12.0	21.7
5 1	11 41.57	+ 2 48.6	2.002	2.796	15.1	21.9

163754 2003 OD_{6} 3 22.6 241.°91 0.°6/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.92	− 5 10.5	1.918	2.766	12.7	21.2
3 2	12 25.93	− 4 34.4	1.824	2.749	9.2	20.9
3 12	12 17.93	− 3 43.6	1.756	2.730	5.1	20.6
3 22	12 8.63	− 2 42.4	1.715	2.711	0.8	20.3
4 1	11 59.00	− 1 36.8	1.704	2.691	4.1	20.5
4 11	11 50.13	− 0 34.3	1.721	2.671	8.6	20.7
4 21	11 42.90	+ 0 18.9	1.764	2.649	12.6	20.9
5 1	11 37.95	+ 0 58.1	1.828	2.627	16.1	21.1

146226 2000 WZ_{70} 3 22.6 124.°55 2.°0/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.97	− 9 9.9	2.534	3.362	10.6	19.7
3 2	12 22.62	− 9 0.2	2.459	3.368	7.9	19.5
3 12	12 15.94	− 8 38.4	2.410	3.374	4.9	19.4
3 22	12 8.50	− 8 7.0	2.389	3.380	2.2	19.2
4 1	12 1.00	− 7 29.4	2.398	3.385	3.1	19.3
4 11	11 54.17	− 6 50.2	2.436	3.391	6.1	19.5
4 21	11 48.57	− 6 13.6	2.501	3.397	9.0	19.7
5 1	11 44.62	− 5 43.3	2.590	3.402	11.5	19.8

241487 2009 BP_{99} 3 22.6 69.°47 3.°8/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.68	+ 9 25.1	2.070	2.947	10.6	20.4
3 2	12 23.96	+10 10.5	2.015	2.954	7.5	20.2
3 12	12 16.67	+10 55.3	1.987	2.961	4.7	20.1
3 22	12 8.54	+11 33.7	1.986	2.968	4.1	20.0
4 1	12 0.44	+12 0.4	2.014	2.975	6.4	20.2
4 11	11 53.24	+12 12.0	2.069	2.982	9.5	20.4
4 21	11 47.59	+12 7.2	2.148	2.990	12.4	20.6
5 1	11 43.92	+11 46.3	2.247	2.997	14.9	20.8

159788 2003 OF_{23} 3 22.6 222.°61 0.°1/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.63	− 3 38.6	2.056	2.912	11.6	20.9
3 2	12 23.37	− 3 1.3	1.979	2.907	8.3	20.7
3 12	12 16.44	− 2 12.4	1.927	2.903	4.4	20.4
3 22	12 8.54	− 1 16.5	1.902	2.899	0.3	20.1
4 1	12 0.51	− 0 19.2	1.907	2.894	3.8	20.4
4 11	11 53.25	+ 0 33.2	1.940	2.889	7.8	20.6
4 21	11 47.48	+ 1 15.8	1.999	2.884	11.4	20.8
5 1	11 43.70	+ 1 45.2	2.079	2.879	14.4	21.0

459058 2012 BW_{17} 3 22.6 80.°57 1.°0/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.78	+ 0 51.4	1.531	2.401	14.1	20.3
3 2	12 27.96	+ 1 4.2	1.474	2.411	9.9	20.1
3 12	12 18.93	+ 1 25.0	1.441	2.421	5.1	19.8
3 22	12 8.69	+ 1 48.5	1.435	2.431	1.0	19.6
4 1	11 58.48	+ 2 8.8	1.457	2.441	5.2	19.9
4 11	11 49.55	+ 2 20.6	1.505	2.451	9.8	20.2
4 21	11 42.78	+ 2 20.6	1.576	2.461	13.9	20.4
5 1	11 38.69	+ 2 7.1	1.668	2.471	17.2	20.7

293788 2007 RN_{134} 3 22.6 236.°39 2.°2/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.11	+ 1 29.6	1.752	2.622	12.6	21.7
3 2	12 25.42	+ 2 36.3	1.672	2.610	8.8	21.4
3 12	12 17.66	+ 3 53.4	1.617	2.597	4.6	21.1
3 22	12 8.62	+ 5 13.7	1.590	2.583	2.3	20.9
4 1	11 59.34	+ 6 28.6	1.592	2.569	5.9	21.1
4 11	11 50.93	+ 7 30.4	1.620	2.554	10.3	21.3
4 21	11 44.31	+ 8 13.8	1.673	2.539	14.2	21.5
5 1	11 40.07	+ 8 36.5	1.745	2.523	17.6	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
118984	2000 XC_{21}		3 22.6	224.°98	4.°2/16.6	17
	h m	° ′			°	m
2 21	12 29.21	+15 9.8	3.073	3.938	7.9	20.7
3 2	12 23.35	+15 55.9	3.000	3.926	5.9	20.5
3 12	12 16.29	+16 38.5	2.956	3.914	4.4	20.4
3 22	12 8.54	+17 13.3	2.941	3.901	4.5	20.4
4 1	12 0.73	+17 36.6	2.956	3.888	6.1	20.5
4 11	11 53.46	+17 46.0	2.999	3.874	8.2	20.6
4 21	11 47.27	+17 40.6	3.066	3.860	10.3	20.7
5 1	11 42.53	+17 21.0	3.155	3.845	12.1	20.8
350721	2001 XY_{148}		3 22.6	179.°79	3.°0/26.7	18
2 21	12 26.94	−14 10.0	2.721	3.524	10.7	21.3
3 2	12 21.89	−13 53.4	2.636	3.525	8.3	21.1
3 12	12 15.56	−13 21.9	2.576	3.525	5.6	20.9
3 22	12 8.50	−12 37.6	2.545	3.525	3.4	20.8
4 1	12 1.35	−11 43.7	2.543	3.525	3.5	20.8
4 11	11 54.79	−10 45.0	2.570	3.525	5.8	20.9
4 21	11 49.37	− 9 46.6	2.625	3.524	8.5	21.1
5 1	11 45.50	− 8 53.0	2.704	3.523	10.9	21.3
469644	2004 TP_{82}		3 22.6	111.°24	0.°1/22.8	15
2 21	12 30.89	− 3 0.3	2.058	2.911	11.7	22.2
3 2	12 24.81	− 2 34.4	1.997	2.925	8.3	22.0
3 12	12 17.13	− 1 58.8	1.962	2.938	4.4	21.8
3 22	12 8.59	− 1 17.5	1.955	2.951	0.3	21.5
4 1	12 0.08	− 0 35.9	1.978	2.964	3.8	21.8
4 11	11 52.47	+ 0 0.9	2.029	2.977	7.6	22.0
4 21	11 46.43	+ 0 28.9	2.105	2.989	10.9	22.3
5 1	11 42.40	+ 0 45.3	2.204	3.001	13.8	22.5
135306	2001 SD_{253}		3 22.6	105.°26	0.°0/22.6	18
2 21	12 26.94	− 3 49.4	2.560	3.408	9.9	20.5
3 2	12 21.80	− 2 58.5	2.502	3.428	6.9	20.4
3 12	12 15.46	− 1 58.6	2.470	3.447	3.6	20.2
3 22	12 8.49	− 0 54.1	2.469	3.465	0.2	19.9
4 1	12 1.57	+ 0 10.0	2.498	3.483	3.2	20.2
4 11	11 55.35	+ 1 8.6	2.556	3.501	6.4	20.4
4 21	11 50.33	+ 1 58.0	2.641	3.519	9.2	20.7
5 1	11 46.88	+ 2 35.6	2.750	3.536	11.6	20.8
164102	2003 WY_{175}		3 22.6	205.°61	1.°5/20.9	18
2 21	12 28.51	+ 1 47.4	2.312	3.176	10.2	20.7
3 2	12 23.12	+ 2 33.4	2.238	3.173	7.1	20.5
3 12	12 16.26	+ 3 25.6	2.190	3.169	3.7	20.3
3 22	12 8.55	+ 4 19.3	2.171	3.165	1.6	20.1
4 1	12 0.75	+ 5 8.9	2.182	3.161	4.4	20.3
4 11	11 53.65	+ 5 49.7	2.222	3.156	7.9	20.5
4 21	11 47.88	+ 6 18.2	2.287	3.151	11.0	20.7
5 1	11 43.90	+ 6 32.7	2.373	3.145	13.6	20.8
160525	1996 EW_{10}		3 22.6	283.°38	2.°4/20.6	18
2 21	12 29.27	+ 0 33.4	1.412	2.292	14.4	19.9
3 2	12 24.55	+ 1 48.4	1.331	2.274	10.1	19.6
3 12	12 17.38	+ 3 18.6	1.275	2.256	5.3	19.2
3 22	12 8.63	+ 4 55.0	1.244	2.237	2.5	19.0
4 1	11 59.51	+ 6 26.5	1.239	2.219	6.8	19.2
4 11	11 51.38	+ 7 42.4	1.260	2.200	11.9	19.4
4 21	11 45.34	+ 8 35.6	1.302	2.182	16.6	19.7
5 1	11 42.10	+ 9 2.9	1.363	2.163	20.5	19.9
203349	2001 UO_{200}		3 22.6	284.°76	2.°2/24.3	17
2 21	12 30.60	− 8 15.8	1.382	2.239	16.1	20.4
3 2	12 25.56	− 7 55.8	1.300	2.226	12.0	20.1
3 12	12 17.95	− 7 14.1	1.240	2.212	7.2	19.8
3 22	12 8.67	− 6 14.5	1.205	2.199	2.6	19.5
4 1	11 59.00	− 5 4.3	1.196	2.185	4.9	19.6
4 11	11 50.38	− 3 53.5	1.211	2.172	10.1	19.9
4 21	11 43.95	− 2 51.5	1.250	2.159	15.0	20.1
5 1	11 40.47	− 2 5.2	1.308	2.145	19.3	20.3
388814	2008 CP_9		3 22.6	97.°02	4.°4/27.4	17
2 21	12 30.07	−16 3.6	2.424	3.218	12.1	21.2
3 2	12 24.23	−16 24.5	2.346	3.224	9.6	21.0
3 12	12 16.86	−16 29.3	2.293	3.230	6.9	20.9
3 22	12 8.60	−16 18.5	2.266	3.237	4.8	20.7
4 1	12 0.23	−15 54.5	2.268	3.243	4.7	20.7
4 11	11 52.57	−15 21.5	2.299	3.249	6.7	20.9
4 21	11 46.27	−14 44.5	2.356	3.255	9.3	21.0
5 1	11 41.80	−14 8.7	2.437	3.261	11.8	21.2
37050	2000 UW_{38}		3 22.6	226.°20	0.°6/21.9	18
2 21	12 27.16	− 0 36.1	2.771	3.626	9.0	19.8
3 2	12 22.02	− 0 0.6	2.687	3.617	6.3	19.6
3 12	12 15.64	+ 0 41.6	2.629	3.607	3.3	19.4
3 22	12 8.53	+ 1 27.0	2.601	3.597	0.6	19.2
4 1	12 1.30	+ 2 11.4	2.604	3.587	3.4	19.4
4 11	11 54.62	+ 2 50.6	2.636	3.576	6.5	19.6
4 21	11 49.02	+ 3 21.5	2.695	3.565	9.3	19.7
5 1	11 44.91	+ 3 41.7	2.777	3.554	11.7	19.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
405187	2003 AV_{66}		3 22.6	117.°40	1.°5/24.2	18
	h m	° ′			°	m
2 21	12 34.13	− 7 2.7	2.136	2.969	12.1	21.0
3 2	12 27.00	− 6 52.3	2.077	2.991	8.8	20.9
3 12	12 18.27	− 6 29.5	2.043	3.012	5.1	20.7
3 22	12 8.69	− 5 57.6	2.039	3.032	1.8	20.5
4 1	11 59.18	− 5 20.8	2.065	3.052	3.5	20.6
4 11	11 50.63	− 4 44.5	2.120	3.071	7.1	20.9
4 21	11 43.72	− 4 13.0	2.201	3.089	10.4	21.1
5 1	11 38.88	− 3 50.0	2.306	3.107	13.1	21.3
265780	2005 WT_{100}		3 22.6	133.°21	1.°4/21.3	18
2 21	12 30.33	+ 0 51.8	1.958	2.824	11.7	21.3
3 2	12 24.53	+ 1 34.8	1.895	2.831	8.1	21.1
3 12	12 17.04	+ 2 25.4	1.858	2.838	4.2	20.9
3 22	12 8.62	+ 3 17.9	1.850	2.844	1.4	20.7
4 1	12 0.18	+ 4 6.3	1.870	2.851	4.7	20.9
4 11	11 52.65	+ 4 45.1	1.918	2.857	8.6	21.2
4 21	11 46.74	+ 5 10.6	1.990	2.863	12.0	21.4
5 1	11 42.91	+ 5 21.1	2.084	2.868	14.9	21.6
118227	1996 TR_{39}		3 22.6	92.°94	2.°9/20.7	18
2 21	12 38.95	+ 7 32.0	1.798	2.663	12.6	18.8
3 2	12 30.61	+ 7 31.3	1.741	2.674	8.8	18.6
3 12	12 20.24	+ 7 30.1	1.709	2.685	4.9	18.4
3 22	12 8.81	+ 7 24.0	1.706	2.696	3.0	18.3
4 1	11 57.49	+ 7 9.0	1.733	2.707	5.9	18.5
4 11	11 47.42	+ 6 43.0	1.788	2.718	9.7	18.8
4 21	11 39.41	+ 6 5.5	1.868	2.728	13.2	19.0
5 1	11 33.94	+ 5 17.1	1.969	2.739	16.1	19.2
133182	2003 QV_{50}		3 22.6	256.°17	2.°3/20.6	16
2 21	12 31.65	+ 2 27.3	1.665	2.538	13.0	20.7
3 2	12 25.92	+ 3 21.0	1.584	2.523	9.1	20.4
3 12	12 18.00	+ 4 23.8	1.528	2.508	4.8	20.1
3 22	12 8.69	+ 5 28.8	1.499	2.492	2.5	19.9
4 1	11 59.10	+ 6 27.7	1.498	2.475	6.1	20.1
4 11	11 50.42	+ 7 13.3	1.523	2.459	10.6	20.3
4 21	11 43.61	+ 7 40.8	1.572	2.442	14.8	20.5
5 1	11 39.33	+ 7 48.2	1.640	2.424	18.2	20.7
92456	2000 KB_{34}		3 22.6	219.°84	2.°9/25.2	18
2 21	12 32.46	−10 57.5	1.835	2.663	14.0	19.7
3 2	12 26.37	−10 40.6	1.747	2.655	10.6	19.5
3 12	12 18.19	−10 4.7	1.683	2.645	6.7	19.2
3 22	12 8.71	− 9 12.1	1.646	2.635	3.2	19.0
4 1	11 58.95	− 8 8.2	1.637	2.624	4.3	19.0
4 11	11 50.04	− 7 0.5	1.657	2.613	8.3	19.3
4 21	11 42.91	− 5 56.6	1.702	2.601	12.3	19.5
5 1	11 38.17	− 5 2.8	1.769	2.588	15.8	19.7
291232	2006 BA_{25}		3 22.7	60.°34	2.°4/20.3	17
2 21	12 28.31	+ 2 32.0	1.739	2.616	12.3	20.9
3 2	12 23.27	+ 3 35.5	1.682	2.623	8.5	20.7
3 12	12 16.42	+ 4 46.3	1.650	2.630	4.5	20.5
3 22	12 8.59	+ 5 57.0	1.645	2.638	2.5	20.4
4 1	12 0.76	+ 6 59.9	1.669	2.645	5.8	20.6
4 11	11 53.91	+ 7 48.5	1.719	2.653	9.7	20.8
4 21	11 48.80	+ 8 19.3	1.792	2.661	13.3	21.1
5 1	11 45.87	+ 8 30.9	1.885	2.668	16.2	21.3
216063	2006 QZ_8		3 22.7	222.°81	0.°4/22.3	16
2 21	12 31.05	− 2 34.4	2.022	2.877	11.8	21.9
3 2	12 25.17	− 1 50.0	1.937	2.867	8.4	21.7
3 12	12 17.48	− 0 53.9	1.878	2.856	4.4	21.4
3 22	12 8.67	+ 0 8.8	1.848	2.844	0.4	21.1
4 1	11 59.65	+ 1 12.0	1.847	2.832	4.2	21.4
4 11	11 51.41	+ 2 8.9	1.875	2.819	8.4	21.6
4 21	11 44.72	+ 2 54.4	1.928	2.805	12.1	21.8
5 1	11 40.15	+ 3 25.1	2.002	2.791	15.2	22.0
366433	2001 WZ_{25}		3 22.7	188.°15	1.°6/20.8	13 C
2 21	12 30.81	+ 2 12.5	2.408	3.268	10.0	22.9
3 2	12 24.68	+ 2 57.7	2.334	3.267	6.9	22.7
3 12	12 17.08	+ 3 48.6	2.287	3.266	3.6	22.5
3 22	12 8.64	+ 4 40.4	2.270	3.263	1.6	22.4
4 1	12 0.12	+ 5 27.9	2.283	3.261	4.4	22.5
4 11	11 52.31	+ 6 6.5	2.326	3.257	7.7	22.7
4 21	11 45.85	+ 6 33.1	2.395	3.252	10.8	22.9
5 1	11 41.17	+ 6 46.1	2.485	3.247	13.3	23.1
511575	2014 WE_{495}		3 22.7	320.°16	4.°5/17.6	17
2 21	12 25.13	+ 6 22.8	1.630	2.519	12.2	20.0
3 2	12 21.31	+ 8 8.0	1.558	2.504	8.6	19.7
3 12	12 15.53	+10 0.8	1.512	2.490	5.3	19.5
3 22	12 8.55	+11 50.8	1.494	2.476	5.0	19.5
4 1	12 1.37	+13 27.2	1.502	2.462	8.2	19.6
4 11	11 55.06	+14 41.3	1.535	2.449	12.2	19.8
4 21	11 50.49	+15 28.9	1.590	2.437	15.8	20.0
5 1	11 48.22	+15 48.9	1.662	2.425	18.9	20.2

275987 2001 XE_{96} 3 22.7 136.°40 1.°4/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.63	+ 0 59.4	1.922	2.788	11.8	20.8
3 2	12 24.78	+ 1 41.5	1.859	2.794	8.2	20.5
3 12	12 17.20	+ 2 31.1	1.821	2.801	4.2	20.3
3 22	12 8.65	+ 3 22.7	1.812	2.806	1.4	20.1
4 1	12 0.09	+ 4 10.0	1.831	2.812	4.8	20.4
4 11	11 52.45	+ 4 47.5	1.878	2.817	8.7	20.6
4 21	11 46.46	+ 5 11.7	1.950	2.822	12.2	20.8
5 1	11 42.60	+ 5 20.6	2.042	2.827	15.1	21.0

368680 2005 QZ_{155} 3 22.7 239.°03 7.°8/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.29	−24 37.4	2.022	2.775	15.6	21.3
3 2	12 25.59	−25 5.9	1.928	2.766	13.2	21.1
3 12	12 17.82	−25 9.2	1.855	2.756	10.7	20.9
3 22	12 8.70	−24 45.6	1.806	2.745	8.5	20.8
4 1	11 59.25	−23 56.4	1.782	2.735	7.9	20.7
4 11	11 50.56	−22 47.0	1.785	2.724	9.2	20.7
4 21	11 43.58	−21 25.7	1.813	2.712	11.6	20.9
5 1	11 38.96	−20 1.4	1.864	2.700	14.4	21.0

506707 2006 UE_{93} 3 22.7 186.°69 0.°2/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.62	− 4 2.3	2.900	3.744	9.0	22.9
3 2	12 21.58	− 3 24.3	2.821	3.744	6.4	22.7
3 12	12 15.39	− 2 37.8	2.768	3.743	3.4	22.5
3 22	12 8.54	− 1 46.1	2.745	3.741	0.4	22.2
4 1	12 1.64	− 0 53.2	2.753	3.740	2.9	22.5
4 11	11 55.27	− 0 3.5	2.791	3.737	5.9	22.7
4 21	11 49.94	+ 0 39.5	2.856	3.735	8.6	22.8
5 1	11 46.03	+ 1 13.0	2.945	3.732	10.9	23.0

144414 2004 EM_{11} 3 22.7 292.°09 3.°7/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.11	+ 7 2.8	2.090	2.970	10.4	19.2
3 2	12 21.64	+ 8 21.8	2.016	2.957	7.3	19.0
3 12	12 15.58	+ 9 45.0	1.968	2.944	4.4	18.8
3 22	12 8.56	+11 5.0	1.949	2.931	4.0	18.7
4 1	12 1.39	+12 14.7	1.958	2.918	6.6	18.9
4 11	11 54.93	+13 8.3	1.993	2.906	9.9	19.1
4 21	11 49.87	+13 42.3	2.053	2.893	13.0	19.2
5 1	11 46.71	+13 56.0	2.132	2.880	15.6	19.4

307258 2002 LJ_{64} 3 22.7 228.°04 2.°5/20.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.77	+ 3 19.8	2.047	2.915	11.1	22.4
3 2	12 24.96	+ 4 25.6	1.966	2.903	7.7	22.1
3 12	12 17.37	+ 5 38.7	1.911	2.890	4.2	21.9
3 22	12 8.68	+ 6 52.5	1.885	2.876	2.6	21.8
4 1	11 59.79	+ 7 59.8	1.889	2.861	5.7	21.9
4 11	11 51.66	+ 8 54.3	1.920	2.846	9.4	22.1
4 21	11 45.06	+ 9 32.0	1.976	2.830	12.9	22.3
5 1	11 40.55	+ 9 51.1	2.053	2.813	15.8	22.5

32250 Karthik 3 22.7 223.°22 2.°9/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.59	−13 24.1	2.508	3.320	11.2	19.5
3 2	12 21.78	−13 1.1	2.420	3.315	8.6	19.3
3 12	12 15.58	−12 22.2	2.356	3.309	5.7	19.1
3 22	12 8.57	−11 29.6	2.320	3.304	3.3	18.9
4 1	12 1.42	−10 27.1	2.314	3.298	3.5	19.0
4 11	11 54.89	− 9 20.4	2.336	3.293	6.2	19.1
4 21	11 49.57	− 8 15.0	2.386	3.286	9.1	19.3
5 1	11 45.91	− 7 15.9	2.459	3.280	11.8	19.5

505991 2015 GU_{35} 3 22.7 245.°66 0.°5/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.02	− 5 40.0	2.291	3.139	10.9	22.1
3 2	12 21.44	− 4 50.5	2.210	3.134	7.8	21.9
3 12	12 15.42	− 3 48.5	2.155	3.130	4.3	21.6
3 22	12 8.56	− 2 38.1	2.129	3.125	0.7	21.3
4 1	12 1.59	− 1 25.2	2.132	3.120	3.4	21.5
4 11	11 55.29	− 0 15.9	2.164	3.115	7.0	21.8
4 21	11 50.27	+ 0 44.5	2.222	3.110	10.3	22.0
5 1	11 46.98	+ 1 32.1	2.303	3.104	13.1	22.1

202235 2004 YC_{29} 3 22.7 25.°76 0.°6/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.51	− 2 31.4	1.146	2.031	16.6	19.6
3 2	12 24.06	− 1 45.1	1.095	2.038	11.7	19.4
3 12	12 17.07	− 0 42.1	1.065	2.046	6.1	19.1
3 22	12 8.66	+ 0 29.1	1.060	2.056	0.6	18.7
4 1	12 0.27	+ 1 37.8	1.078	2.066	5.8	19.1
4 11	11 53.31	+ 2 33.9	1.121	2.077	11.3	19.4
4 21	11 48.78	+ 3 11.0	1.184	2.089	16.0	19.7
5 1	11 47.19	+ 3 26.1	1.266	2.101	19.9	20.0

264615 2001 UP_{202} 3 22.7 194.°30 1.°2/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.65	− 6 45.2	2.161	3.000	11.8	22.0
3 2	12 24.76	− 6 20.8	2.080	2.998	8.6	21.8
3 12	12 17.21	− 5 43.4	2.025	2.996	4.9	21.5
3 22	12 8.68	− 4 56.4	1.999	2.993	1.5	21.3
4 1	12 0.01	− 4 4.6	2.001	2.990	3.5	21.4
4 11	11 52.11	− 3 13.9	2.033	2.985	7.3	21.6
4 21	11 45.68	− 2 29.4	2.091	2.981	10.7	21.9
5 1	11 41.24	− 1 55.2	2.172	2.976	13.7	22.0

470463 2008 AZ_{26} 3 22.7 145.°90 8.°0/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.04	−29 54.6	2.737	3.427	13.3	21.3
3 2	12 26.42	−30 49.5	2.652	3.432	11.6	21.2
3 12	12 18.11	−31 23.6	2.588	3.437	9.9	21.1
3 22	12 8.74	−31 34.8	2.549	3.442	8.6	21.0
4 1	11 59.14	−31 23.3	2.537	3.447	8.0	21.0
4 11	11 50.19	−30 52.1	2.551	3.451	8.5	21.0
4 21	11 42.62	−30 6.5	2.590	3.456	9.8	21.1
5 1	11 36.98	−29 12.6	2.653	3.460	11.5	21.2

348804 2006 QG_{115} 3 22.7 201.°73 2.°5/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.09	−11 19.6	2.199	3.019	12.3	22.0
3 2	12 25.11	−10 55.3	2.111	3.014	9.3	21.8
3 12	12 17.42	−10 14.3	2.048	3.009	5.9	21.6
3 22	12 8.71	− 9 19.2	2.014	3.002	2.9	21.4
4 1	11 59.83	− 8 14.7	2.009	2.995	3.7	21.4
4 11	11 51.68	− 7 7.1	2.033	2.988	7.1	21.6
4 21	11 45.00	− 6 3.0	2.084	2.979	10.5	21.8
5 1	11 40.31	− 5 7.5	2.158	2.970	13.6	22.0

81833 2000 KW_{46} 3 22.7 309.°17 2.°6/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.92	+ 3 2.1	1.902	2.780	11.3	18.8
3 2	12 21.65	+ 4 13.0	1.823	2.765	7.9	18.6
3 12	12 15.66	+ 5 32.2	1.770	2.750	4.2	18.3
3 22	12 8.60	+ 6 52.7	1.744	2.735	2.7	18.2
4 1	12 1.35	+ 8 6.6	1.746	2.720	5.9	18.3
4 11	11 54.86	+ 9 7.0	1.775	2.706	9.7	18.5
4 21	11 49.86	+ 9 49.2	1.828	2.692	13.3	18.7
5 1	11 46.92	+10 11.2	1.901	2.678	16.3	18.9

110872 2001 UJ_{94} 3 22.7 332.°84 4.°2/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.53	+ 9 26.3	2.153	3.033	10.1	19.2
3 2	12 21.83	+10 41.7	2.092	3.032	7.2	19.0
3 12	12 15.64	+11 57.9	2.058	3.031	4.7	18.9
3 22	12 8.59	+13 7.9	2.052	3.029	4.5	18.9
4 1	12 1.50	+14 5.4	2.075	3.028	6.8	19.0
4 11	11 55.17	+14 45.7	2.124	3.027	9.8	19.2
4 21	11 50.23	+15 6.7	2.196	3.026	12.6	19.4
5 1	11 47.13	+15 8.3	2.288	3.025	15.0	19.5

263206 2008 AS_{19} 3 22.7 287.°97 0.°5/22.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.37	− 0 56.0	2.292	3.152	10.4	20.7
3 2	12 22.40	− 0 25.2	2.212	3.144	7.3	20.4
3 12	12 15.95	+ 0 13.6	2.158	3.137	3.8	20.2
3 22	12 8.62	+ 0 56.4	2.133	3.129	0.5	19.9
4 1	12 1.18	+ 1 38.3	2.137	3.122	3.8	20.2
4 11	11 54.40	+ 2 14.6	2.169	3.114	7.4	20.4
4 21	11 48.92	+ 2 41.4	2.227	3.107	10.6	20.6
5 1	11 45.21	+ 2 56.2	2.308	3.099	13.4	20.7

318134 2004 PT_{15} 3 22.7 247.°55 1.°2/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.72	+ 0 12.1	2.103	2.965	11.1	21.3
3 2	12 24.22	+ 0 58.7	2.016	2.950	7.8	21.0
3 12	12 16.99	+ 1 54.3	1.955	2.934	4.0	20.8
3 22	12 8.69	+ 2 53.8	1.923	2.918	1.2	20.5
4 1	12 0.18	+ 3 51.0	1.920	2.902	4.6	20.7
4 11	11 52.37	+ 4 39.9	1.946	2.885	8.5	20.9
4 21	11 46.01	+ 5 16.2	1.996	2.867	12.0	21.1
5 1	11 41.65	+ 5 37.1	2.068	2.849	15.1	21.3

367111 2006 SQ_{17} 3 22.7 222.°80 0.°8/23.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.42	− 5 28.1	1.975	2.822	12.4	22.0
3 2	12 25.49	− 4 59.1	1.890	2.813	9.0	21.7
3 12	12 17.69	− 4 16.6	1.830	2.803	5.0	21.5
3 22	12 8.74	− 3 24.4	1.797	2.793	1.0	21.2
4 1	11 59.58	− 2 28.1	1.795	2.782	3.9	21.4
4 11	11 51.20	− 1 34.4	1.820	2.771	8.1	21.6
4 21	11 44.43	− 0 48.8	1.871	2.759	11.9	21.8
5 1	11 39.84	− 0 15.6	1.944	2.747	15.1	22.0

375909 2009 VH_{114} 3 22.7 147.°10 2.°2/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.54	+ 3 52.4	2.085	2.953	10.9	21.5
3 2	12 24.63	+ 4 36.0	2.022	2.959	7.6	21.3
3 12	12 17.11	+ 5 24.0	1.986	2.965	4.0	21.1
3 22	12 8.70	+ 6 11.1	1.978	2.970	2.3	21.0
4 1	12 0.28	+ 6 51.5	1.999	2.975	5.1	21.2
4 11	11 52.71	+ 7 20.7	2.049	2.979	8.6	21.4
4 21	11 46.69	+ 7 35.9	2.123	2.983	11.8	21.6
5 1	11 42.65	+ 7 36.1	2.218	2.987	14.5	21.8

79558 1998 QE_{51} 3 22.7 269.°26 0.°9/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.56	− 5 10.2	1.545	2.401	14.8	19.5
3 2	12 27.64	− 4 46.8	1.448	2.376	10.8	19.2
3 12	12 19.15	− 4 6.4	1.375	2.350	6.1	18.8
3 22	12 8.86	− 3 12.8	1.328	2.324	1.2	18.4
4 1	11 57.99	− 2 12.6	1.309	2.297	4.9	18.6
4 11	11 47.95	− 1 14.7	1.316	2.269	10.2	18.8
4 21	11 39.93	− 0 26.7	1.346	2.241	15.1	19.0
5 1	11 34.76	+ 0 5.6	1.396	2.213	19.4	19.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
396289	2014 DR_{18}		3 22.7	135.°77	2.°5/19.2	17
	h m	° ′			°	m
2 21	12 26.16	+ 4 46.3	2.529	3.400	9.2	21.1
3 2	12 21.36	+ 5 59.4	2.469	3.407	6.3	20.9
3 12	12 15.32	+ 7 16.3	2.437	3.415	3.5	20.7
3 22	12 8.60	+ 8 31.2	2.434	3.422	2.7	20.7
4 1	12 1.87	+ 9 38.6	2.462	3.428	5.0	20.9
4 11	11 55.79	+10 33.7	2.518	3.435	7.9	21.0
4 21	11 50.90	+11 13.7	2.599	3.441	10.5	21.2
5 1	11 47.58	+11 37.6	2.701	3.447	12.7	21.4
238688	2005 EO_{248}		3 22.7	249.°95	0.°3/22.9	17
2 21	12 27.93	− 4 3.8	2.154	3.007	11.3	21.4
3 2	12 22.87	− 3 30.3	2.074	3.001	8.0	21.1
3 12	12 16.24	− 2 45.5	2.020	2.996	4.4	20.9
3 22	12 8.67	− 1 53.6	1.994	2.990	0.5	20.6
4 1	12 0.97	− 0 59.8	1.997	2.985	3.6	20.8
4 11	11 54.00	− 0 9.9	2.029	2.979	7.4	21.0
4 21	11 48.42	+ 0 31.3	2.086	2.973	10.9	21.2
5 1	11 44.72	+ 1 0.5	2.165	2.967	13.8	21.4
248050	2004 JT_{14}		3 22.7	259.°70	3.°2/27.0	18
2 21	12 26.22	−15 27.6	2.683	3.481	11.0	21.0
3 2	12 21.55	−14 59.1	2.578	3.462	8.6	20.8
3 12	12 15.52	−14 13.6	2.497	3.443	5.9	20.6
3 22	12 8.63	−13 12.8	2.444	3.424	3.6	20.5
4 1	12 1.56	−12 0.3	2.421	3.404	3.6	20.4
4 11	11 55.00	−10 41.6	2.428	3.384	6.0	20.5
4 21	11 49.55	− 9 22.6	2.462	3.363	8.9	20.7
5 1	11 45.68	− 8 8.8	2.521	3.342	11.6	20.8
372658	2009 WR_{55}		3 22.7	166.°96	1.°9/24.9	15
2 21	12 29.44	−10 0.4	2.502	3.324	10.9	22.7
3 2	12 23.72	− 9 29.4	2.424	3.330	8.1	22.5
3 12	12 16.61	− 8 44.7	2.371	3.335	5.0	22.3
3 22	12 8.71	− 7 49.2	2.348	3.339	2.2	22.1
4 1	12 0.75	− 6 47.4	2.355	3.342	3.1	22.2
4 11	11 53.47	− 5 44.8	2.392	3.345	6.2	22.4
4 21	11 47.47	− 4 46.5	2.456	3.348	9.3	22.6
5 1	11 43.18	− 3 56.8	2.544	3.349	11.9	22.8
370784	2004 SJ_{50}		3 22.7	120.°47	0.°7/21.9	18
2 21	12 31.82	− 0 16.9	2.258	3.112	10.8	21.6
3 2	12 25.37	+ 0 10.7	2.199	3.129	7.5	21.4
3 12	12 17.45	+ 0 45.1	2.168	3.146	3.9	21.2
3 22	12 8.76	+ 1 22.1	2.166	3.162	0.7	21.0
4 1	12 0.12	+ 1 57.0	2.194	3.177	3.9	21.3
4 11	11 52.34	+ 2 25.4	2.251	3.192	7.4	21.5
4 21	11 46.04	+ 2 44.4	2.334	3.206	10.5	21.7
5 1	11 41.62	+ 2 52.0	2.439	3.220	13.0	21.9
374108	2004 SY_{7}		3 22.7	147.°35	0.°3/22.3	15
2 21	12 30.64	− 1 47.2	2.507	3.356	10.0	22.6
3 2	12 24.48	− 1 14.8	2.441	3.368	7.0	22.4
3 12	12 16.97	− 0 35.0	2.402	3.379	3.7	22.2
3 22	12 8.73	+ 0 8.6	2.393	3.389	0.3	21.9
4 1	12 0.49	+ 0 51.4	2.414	3.399	3.4	22.2
4 11	11 52.98	+ 1 29.1	2.465	3.408	6.7	22.4
4 21	11 46.77	+ 1 58.4	2.543	3.416	9.7	22.6
5 1	11 42.27	+ 2 17.0	2.644	3.423	12.2	22.8
508704	2017 UY_{20}		3 22.7	152.°49	1.°4/20.8	17
2 21	12 26.47	+ 0 50.2	2.475	3.338	9.6	21.7
3 2	12 21.63	+ 1 52.1	2.408	3.343	6.6	21.5
3 12	12 15.49	+ 3 0.7	2.368	3.347	3.4	21.3
3 22	12 8.63	+ 4 10.9	2.357	3.351	1.4	21.2
4 1	12 1.75	+ 5 17.2	2.377	3.355	4.2	21.4
4 11	11 55.52	+ 6 14.4	2.425	3.359	7.3	21.6
4 21	11 50.49	+ 6 59.1	2.500	3.362	10.2	21.8
5 1	11 47.08	+ 7 29.1	2.596	3.365	12.7	22.0
458853	2011 UW_{80}		3 22.7	130.°11	0.°2/22.9	18
2 21	12 32.96	− 4 5.7	1.766	2.619	13.3	22.5
3 2	12 26.52	− 3 25.2	1.706	2.634	9.4	22.3
3 12	12 18.18	− 2 31.7	1.671	2.647	5.1	22.1
3 22	12 8.81	− 1 30.8	1.664	2.660	0.4	21.7
4 1	11 59.47	− 0 29.2	1.685	2.672	4.2	22.0
4 11	11 51.20	+ 0 25.9	1.735	2.684	8.6	22.3
4 21	11 44.80	+ 1 9.2	1.809	2.695	12.4	22.6
5 1	11 40.73	+ 1 37.5	1.905	2.705	15.5	22.8
178637	2000 JK_{19}		3 22.7	294.°24	1.°5/21.2	17
2 21	12 27.03	− 1 59.4	1.634	2.506	13.2	20.4
3 2	12 22.82	− 0 34.8	1.541	2.479	9.3	20.1
3 12	12 16.48	+ 1 8.0	1.472	2.452	4.8	19.8
3 22	12 8.72	+ 3 1.3	1.430	2.425	1.5	19.5
4 1	12 0.56	+ 4 54.6	1.416	2.398	5.8	19.7
4 11	11 53.16	+ 6 36.7	1.429	2.371	10.7	19.9
4 21	11 47.50	+ 7 59.4	1.466	2.344	15.1	20.1
5 1	11 44.28	+ 8 57.4	1.521	2.317	19.0	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
334526	2002 RX_{186}		3 22.7	111.°86	3.°4/26.9	18
	h m	° ′			°	m
2 21	12 31.10	−15 0.5	2.789	3.579	10.8	21.3
3 2	12 24.70	−15 1.3	2.725	3.604	8.4	21.1
3 12	12 17.05	−14 47.9	2.686	3.628	5.8	21.0
3 22	12 8.74	−14 21.8	2.675	3.651	3.7	20.9
4 1	12 0.47	−13 45.8	2.695	3.673	3.7	20.9
4 11	11 52.90	−13 4.1	2.745	3.695	5.7	21.1
4 21	11 46.58	−12 21.2	2.823	3.717	8.1	21.3
5 1	11 41.87	−11 41.3	2.926	3.737	10.4	21.5
210368	2007 UZ_{115}		3 22.7	62.°75	5.°0/17.3	18
2 21	12 29.60	+13 6.7	2.118	2.995	10.4	19.7
3 2	12 23.97	+14 0.7	2.064	2.999	7.6	19.5
3 12	12 16.77	+14 51.4	2.036	3.002	5.4	19.4
3 22	12 8.72	+15 32.4	2.035	3.005	5.3	19.4
4 1	12 0.69	+15 58.5	2.063	3.009	7.4	19.5
4 11	11 53.53	+16 6.6	2.117	3.012	10.2	19.7
4 21	11 47.89	+15 56.1	2.194	3.016	12.9	19.9
5 1	11 44.21	+15 28.0	2.290	3.019	15.2	20.0
38056	1999 BZ_{10}		3 22.7	228.°81	0.°8/23.4	18
2 21	12 32.83	− 5 17.9	1.774	2.624	13.5	19.7
3 2	12 26.70	− 4 50.0	1.689	2.614	9.7	19.5
3 12	12 18.44	− 4 7.2	1.628	2.602	5.4	19.2
3 22	12 8.84	− 3 13.8	1.595	2.590	1.0	18.8
4 1	11 58.97	− 2 15.8	1.590	2.578	4.2	19.0
4 11	11 49.97	− 1 20.8	1.613	2.565	8.8	19.3
4 21	11 42.77	− 0 34.9	1.661	2.551	13.0	19.5
5 1	11 38.01	− 0 2.9	1.730	2.536	16.6	19.7
95202	2002 BR_{21}		3 22.7	120.°11	13.°4/ 9.9	18
2 21	12 42.55	+36 41.0	1.763	2.583	14.9	18.8
3 2	12 33.28	+38 7.2	1.750	2.600	13.7	18.8
3 12	12 21.66	+39 4.6	1.759	2.617	13.4	18.8
3 22	12 9.03	+39 25.5	1.791	2.633	14.1	18.9
4 1	11 56.90	+39 6.7	1.844	2.648	15.4	19.0
4 11	11 46.62	+38 11.3	1.918	2.663	17.1	19.1
4 21	11 38.99	+36 45.8	2.008	2.677	18.6	19.3
5 1	11 34.37	+34 57.7	2.113	2.690	20.0	19.5
457685	2009 DB_{103}		3 22.7	283.°60	4.°0/18.9	17
2 21	12 29.87	+ 5 23.7	1.530	2.414	13.2	21.0
3 2	12 24.89	+ 6 42.2	1.450	2.394	9.3	20.7
3 12	12 17.59	+ 8 9.3	1.395	2.373	5.4	20.4
3 22	12 8.80	+ 9 35.5	1.365	2.353	4.3	20.3
4 1	11 59.65	+10 50.6	1.363	2.332	7.9	20.5
4 11	11 51.43	+11 46.0	1.386	2.311	12.3	20.7
4 21	11 45.17	+12 16.8	1.430	2.290	16.5	20.9
5 1	11 41.57	+12 21.9	1.492	2.269	20.1	21.1
301818	2011 PC_{6}		3 22.7	198.°70	1.°3/20.6	18
2 21	12 26.01	+ 1 33.3	2.981	3.840	8.3	22.2
3 2	12 21.17	+ 2 33.0	2.903	3.837	5.7	22.0
3 12	12 15.22	+ 3 38.2	2.854	3.832	3.0	21.8
3 22	12 8.63	+ 4 44.8	2.835	3.828	1.4	21.7
4 1	12 1.97	+ 5 47.9	2.847	3.823	3.7	21.8
4 11	11 55.82	+ 6 43.5	2.888	3.817	6.5	22.0
4 21	11 50.67	+ 7 28.3	2.957	3.811	9.0	22.2
5 1	11 46.87	+ 8 0.5	3.048	3.804	11.2	22.3
72282	2001 BH_{6}		3 22.7	275.°30	4.°2/17.8	18
2 21	12 27.29	+ 7 23.6	1.942	2.823	11.0	18.9
3 2	12 22.64	+ 8 56.7	1.865	2.807	7.8	18.6
3 12	12 16.22	+10 34.9	1.815	2.790	4.9	18.4
3 22	12 8.71	+12 9.8	1.793	2.773	4.6	18.4
4 1	12 0.99	+13 32.8	1.799	2.757	7.4	18.5
4 11	11 54.02	+14 37.0	1.832	2.740	10.9	18.7
4 21	11 48.57	+15 18.7	1.888	2.722	14.2	18.9
5 1	11 45.19	+15 36.9	1.962	2.705	17.0	19.0
417661	2006 YR_{30}		3 22.7	50.°79	6.°4/16.4	17
2 21	12 30.60	+13 44.1	1.669	2.553	12.3	20.9
3 2	12 25.03	+15 4.4	1.618	2.555	9.1	20.7
3 12	12 17.46	+16 20.8	1.591	2.556	6.8	20.6
3 22	12 8.79	+17 24.0	1.591	2.557	6.9	20.6
4 1	12 0.10	+18 6.4	1.617	2.558	9.5	20.7
4 11	11 52.52	+18 23.7	1.668	2.560	12.7	20.9
4 21	11 46.84	+18 15.8	1.740	2.561	15.8	21.1
5 1	11 43.58	+17 44.7	1.829	2.563	18.4	21.3
29547	1998 BA_{34}		3 22.7	140.°48	4.°9/16.9	18
2 21	12 29.39	+13 56.2	2.352	3.226	9.6	18.1
3 2	12 23.71	+14 53.0	2.299	3.231	7.1	18.0
3 12	12 16.60	+15 46.0	2.272	3.235	5.2	17.9
3 22	12 8.73	+16 29.5	2.274	3.239	5.2	17.9
4 1	12 0.88	+16 58.6	2.304	3.244	7.1	18.0
4 11	11 53.81	+17 10.5	2.361	3.248	9.7	18.2
4 21	11 48.14	+17 4.6	2.441	3.251	12.1	18.3
5 1	11 44.26	+16 41.7	2.541	3.255	14.2	18.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
185165 2006 SK_{219}			3 22.7	28.°66	0.°3/22.9	18
	h m	° ′			°	m
2 21	12 28.05	− 5 13.3	1.416	2.285	15.1	20.1
3 2	12 23.49	− 4 17.8	1.354	2.289	10.8	19.8
3 12	12 16.75	− 3 3.9	1.315	2.293	5.8	19.6
3 22	12 8.75	− 1 38.9	1.301	2.297	0.6	19.2
4 1	12 0.68	− 0 12.2	1.314	2.302	4.8	19.5
4 11	11 53.75	+ 1 5.9	1.352	2.307	9.8	19.8
4 21	11 48.87	+ 2 7.8	1.413	2.313	14.2	20.1
5 1	11 46.56	+ 2 49.3	1.494	2.318	17.9	20.3
369353 2009 TU_{12}			3 22.7	197.°76	0.°8/21.7	13 C
2 21	12 29.50	− 0 57.2	2.488	3.341	9.9	22.7
3 2	12 23.80	− 0 4.2	2.407	3.337	6.9	22.5
3 12	12 16.69	+ 0 57.2	2.355	3.333	3.6	22.3
3 22	12 8.75	+ 2 2.4	2.332	3.327	0.8	22.1
4 1	12 0.70	+ 3 5.9	2.339	3.321	3.8	22.3
4 11	11 53.30	+ 4 2.4	2.377	3.314	7.2	22.5
4 21	11 47.15	+ 4 48.1	2.441	3.307	10.3	22.7
5 1	11 42.71	+ 5 20.2	2.527	3.298	12.9	22.9
422522 2014 TP_9			3 22.7	145.°78	0.°1/22.8	18 R
2 21	12 31.94	− 3 32.0	2.020	2.871	12.0	22.2
3 2	12 25.67	− 2 54.2	1.955	2.882	8.5	22.0
3 12	12 17.71	− 2 5.4	1.915	2.892	4.5	21.8
3 22	12 8.82	− 1 10.2	1.904	2.901	0.3	21.5
4 1	11 59.92	− 0 14.6	1.923	2.910	3.9	21.8
4 11	11 51.93	+ 0 35.4	1.970	2.918	7.8	22.1
4 21	11 45.56	+ 1 15.2	2.044	2.925	11.3	22.3
5 1	11 41.27	+ 1 41.8	2.139	2.932	14.3	22.5
136980 1998 SR			3 22.7	76.°92	0.°7/22.1	18
2 21	12 31.99	− 1 9.1	1.578	2.446	13.9	20.0
3 2	12 25.99	− 0 35.7	1.524	2.459	9.7	19.8
3 12	12 17.96	+ 0 8.2	1.494	2.473	5.0	19.6
3 22	12 8.84	+ 0 56.7	1.490	2.486	0.7	19.3
4 1	11 59.77	+ 1 42.7	1.514	2.500	4.9	19.6
4 11	11 51.89	+ 2 19.8	1.565	2.513	9.4	19.9
4 21	11 46.00	+ 2 43.5	1.640	2.527	13.3	20.2
5 1	11 42.59	+ 2 51.6	1.734	2.540	16.6	20.4
40468 1999 RF_{46}			3 22.7	324.°35	19.°5/25.1	17 R
2 21	12 40.28	−29 35.8	1.205	1.960	24.0	17.9
3 2	12 34.44	−33 12.3	1.109	1.925	22.2	17.6
3 12	12 24.02	−36 31.3	1.032	1.892	20.5	17.4
3 22	12 9.33	−39 16.6	0.974	1.859	19.6	17.2
4 1	11 51.89	−41 12.0	0.936	1.828	19.8	17.1
4 11	11 34.36	−42 10.5	0.917	1.798	21.4	17.0
4 21	11 19.66	−42 17.0	0.914	1.770	23.9	17.1
5 1	11 10.08	−41 46.3	0.924	1.743	26.7	17.1
153777 2001 VK_{42}			3 22.7	177.°58	6.°3/29.9	18
2 21	12 30.09	−22 52.1	2.175	2.936	14.4	20.0
3 2	12 24.52	−22 54.5	2.090	2.937	11.9	19.9
3 12	12 17.19	−22 33.0	2.026	2.938	9.3	19.7
3 22	12 8.80	−21 47.7	1.988	2.939	7.0	19.6
4 1	12 0.25	−20 41.6	1.977	2.939	6.4	19.5
4 11	11 52.50	−19 21.0	1.993	2.939	7.9	19.6
4 21	11 46.31	−17 53.6	2.036	2.938	10.4	19.7
5 1	11 42.21	−16 27.6	2.103	2.937	13.1	19.9
241385 2008 SQ_{182}			3 22.7	37.°18	0.°9/23.5	18
2 21	12 28.56	− 7 5.6	1.222	2.092	16.9	20.8
3 2	12 24.10	− 6 9.0	1.164	2.098	12.2	20.6
3 12	12 17.17	− 4 49.3	1.127	2.104	6.8	20.3
3 22	12 8.81	− 3 14.2	1.115	2.110	1.3	19.9
4 1	12 0.40	− 1 35.0	1.128	2.118	5.1	20.2
4 11	11 53.33	− 0 4.3	1.165	2.125	10.5	20.5
4 21	11 48.57	+ 1 8.8	1.225	2.133	15.3	20.8
5 1	11 46.70	+ 1 58.8	1.304	2.141	19.3	21.1
54560 2000 QM_{132}			3 22.7	259.°12	4.°1/18.3	18
2 21	12 29.46	+ 7 40.7	1.904	2.782	11.3	18.2
3 2	12 24.20	+ 8 55.7	1.828	2.768	8.0	18.0
3 12	12 17.07	+10 14.6	1.778	2.753	4.9	17.8
3 22	12 8.81	+11 29.6	1.756	2.738	4.4	17.7
4 1	12 0.34	+12 32.9	1.762	2.722	7.2	17.8
4 11	11 52.68	+13 18.2	1.794	2.707	10.8	18.0
4 21	11 46.63	+13 42.4	1.850	2.691	14.2	18.2
5 1	11 42.75	+13 45.0	1.925	2.675	17.1	18.4
261184 2005 TN_{135}			3 22.7	121.°19	0.°6/22.1	16
2 21	12 30.03	− 2 1.3	1.872	2.733	12.3	21.7
3 2	12 24.44	− 1 15.3	1.809	2.742	8.6	21.5
3 12	12 17.11	− 0 18.6	1.772	2.750	4.5	21.2
3 22	12 8.81	+ 0 43.2	1.762	2.758	0.6	20.9
4 1	12 0.49	+ 1 43.4	1.781	2.766	4.4	21.2
4 11	11 53.11	+ 2 35.5	1.828	2.774	8.4	21.5
4 21	11 47.40	+ 3 14.8	1.899	2.781	12.1	21.7
5 1	11 43.82	+ 3 38.7	1.992	2.788	15.1	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
48614 1995 FP_{14}			3 22.7	174.°41	1.°7/20.8	18 R
	h m	° ′			°	m
2 21	12 28.57	+ 2 28.5	2.331	3.196	10.1	19.5
3 2	12 23.19	+ 3 13.3	2.262	3.198	7.0	19.3
3 12	12 16.39	+ 4 3.4	2.220	3.199	3.6	19.1
3 22	12 8.77	+ 4 54.0	2.207	3.200	1.7	19.0
4 1	12 1.11	+ 5 40.0	2.223	3.200	4.5	19.2
4 11	11 54.16	+ 6 16.8	2.268	3.201	7.8	19.4
4 21	11 48.53	+ 6 41.3	2.338	3.201	10.8	19.5
5 1	11 44.66	+ 6 51.9	2.430	3.201	13.4	19.7
262827 2007 AN_{23}			3 22.7	138.°96	1.°2/24.0	18
2 21	12 31.02	− 7 19.0	2.187	3.023	11.8	21.5
3 2	12 24.94	− 6 46.2	2.120	3.036	8.5	21.3
3 12	12 17.32	− 6 0.3	2.079	3.049	4.9	21.1
3 22	12 8.84	− 5 5.0	2.066	3.061	1.5	20.9
4 1	12 0.37	− 4 5.8	2.084	3.072	3.4	21.1
4 11	11 52.73	− 3 8.5	2.130	3.082	7.0	21.3
4 21	11 46.58	− 2 18.2	2.203	3.092	10.3	21.5
5 1	11 42.36	− 1 38.8	2.300	3.102	13.1	21.7
194261 2001 TP_{250}			3 22.7	19.°50	3.°9/20.1	18
2 21	12 34.04	+ 6 4.2	1.257	2.144	15.3	20.0
3 2	12 27.95	+ 6 44.6	1.201	2.145	10.7	19.7
3 12	12 19.22	+ 7 29.0	1.167	2.147	6.0	19.5
3 22	12 8.98	+ 8 8.8	1.159	2.149	4.1	19.4
4 1	11 58.70	+ 8 35.4	1.176	2.151	7.8	19.6
4 11	11 49.86	+ 8 43.0	1.216	2.154	12.6	19.8
4 21	11 43.51	+ 8 29.5	1.278	2.156	16.9	20.1
5 1	11 40.22	+ 7 55.6	1.358	2.160	20.5	20.4
465718 2009 UT_{84}			3 22.7	203.°20	1.°5/20.9	17
2 21	12 30.14	+ 1 42.3	2.320	3.181	10.3	22.7
3 2	12 24.35	+ 2 30.9	2.243	3.176	7.1	22.5
3 12	12 17.04	+ 3 26.0	2.192	3.171	3.7	22.3
3 22	12 8.84	+ 4 22.7	2.171	3.165	1.6	22.1
4 1	12 0.52	+ 5 15.5	2.180	3.159	4.5	22.3
4 11	11 52.91	+ 5 59.2	2.218	3.151	7.9	22.5
4 21	11 46.65	+ 6 30.5	2.282	3.144	11.1	22.7
5 1	11 42.22	+ 6 47.3	2.368	3.135	13.8	22.8
154683 2004 GK_{59}			3 22.7	318.°99	3.°1/20.4	18
2 21	12 30.59	+ 2 48.8	1.169	2.060	15.9	19.6
3 2	12 25.81	+ 3 45.0	1.102	2.050	11.2	19.3
3 12	12 18.24	+ 4 52.6	1.058	2.040	6.0	18.9
3 22	12 8.93	+ 6 1.8	1.038	2.030	3.3	18.7
4 1	11 59.33	+ 7 1.6	1.042	2.022	7.7	19.0
4 11	11 51.04	+ 7 42.3	1.069	2.013	13.1	19.2
4 21	11 45.24	+ 7 58.8	1.116	2.006	18.0	19.5
5 1	11 42.63	+ 7 50.0	1.180	1.998	22.1	19.7
413874 2006 UQ_{262}			3 22.7	27.°86	9.°3/16.1	18
2 21	12 36.16	+20 27.7	1.401	2.281	14.5	20.4
3 2	12 29.16	+21 20.2	1.360	2.286	11.5	20.3
3 12	12 19.71	+21 58.3	1.342	2.292	9.5	20.2
3 22	12 9.01	+22 12.9	1.348	2.299	9.7	20.2
4 1	11 58.51	+21 58.1	1.379	2.306	12.0	20.3
4 11	11 49.59	+21 13.3	1.432	2.314	15.0	20.5
4 21	11 43.16	+20 2.4	1.505	2.322	18.0	20.8
5 1	11 39.66	+18 30.8	1.596	2.331	20.6	21.0
129395 1421 $T\text{-}2$			3 22.7	165.°52	0.°2/22.5	18
2 21	12 33.89	− 2 35.9	1.838	2.692	12.9	21.4
3 2	12 27.24	− 2 0.9	1.769	2.698	9.1	21.2
3 12	12 18.65	− 1 14.6	1.726	2.703	4.8	21.0
3 22	12 8.95	− 0 22.0	1.710	2.707	0.3	20.6
4 1	11 59.18	+ 0 30.4	1.724	2.710	4.3	20.9
4 11	11 50.42	+ 1 16.3	1.767	2.713	8.6	21.2
4 21	11 43.46	+ 1 50.7	1.834	2.715	12.4	21.4
5 1	11 38.83	+ 2 10.9	1.923	2.716	15.6	21.6
34086 2000 PP_5			3 22.7	105.°54	3.°1/25.1	18
2 21	12 33.91	− 9 45.5	1.512	2.354	15.8	18.0
3 2	12 27.59	− 9 47.1	1.447	2.362	11.8	17.8
3 12	12 18.95	− 9 29.4	1.405	2.371	7.4	17.5
3 22	12 8.97	− 8 55.0	1.388	2.379	3.5	17.3
4 1	11 58.91	− 8 9.6	1.399	2.387	4.7	17.4
4 11	11 50.05	− 7 21.0	1.436	2.395	9.0	17.7
4 21	11 43.35	− 6 36.7	1.497	2.402	13.2	17.9
5 1	11 39.40	− 6 2.5	1.578	2.410	16.8	18.2
497155 2004 RW_{191}			3 22.7	197.°28	0.°6/23.4	18
2 21	12 28.66	− 5 58.1	2.660	3.497	9.9	22.7
3 2	12 23.18	− 5 11.1	2.574	3.493	7.1	22.5
3 12	12 16.38	− 4 12.8	2.516	3.488	4.0	22.3
3 22	12 8.80	− 3 7.1	2.487	3.483	0.7	22.0
4 1	12 1.12	− 1 58.6	2.490	3.477	3.0	22.2
4 11	11 54.03	− 0 52.8	2.522	3.470	6.3	22.4
4 21	11 48.10	+ 0 5.7	2.582	3.462	9.3	22.6
5 1	11 43.76	+ 0 53.5	2.666	3.454	11.9	22.7

378789 2008 SU_{75} 3 22.7 170.°65 0.°9/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.98	− 5 32.0	2.183	3.027	11.5	21.4
3 2	12 24.30	− 5 9.7	2.108	3.029	8.3	21.2
3 12	12 17.03	− 4 35.8	2.058	3.031	4.7	21.0
3 22	12 8.85	− 3 53.8	2.037	3.032	1.1	20.7
4 1	12 0.58	− 3 8.4	2.046	3.034	3.4	20.9
4 11	11 53.08	− 2 25.0	2.083	3.035	7.1	21.1
4 21	11 47.02	− 1 48.3	2.146	3.035	10.5	21.3
5 1	11 42.87	− 1 21.7	2.231	3.035	13.4	21.5

213870 2003 SQ_{173} 3 22.7 98.°25 1.°7/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.23	− 8 15.3	1.602	2.450	14.8	20.6
3 2	12 25.50	− 7 38.5	1.542	2.464	10.8	20.4
3 12	12 17.76	− 6 43.3	1.506	2.477	6.3	20.1
3 22	12 8.90	− 5 34.9	1.497	2.491	2.0	19.9
4 1	12 0.06	− 4 20.8	1.515	2.504	4.2	20.1
4 11	11 52.37	− 3 9.8	1.560	2.517	8.6	20.4
4 21	11 46.63	− 2 9.0	1.630	2.530	12.6	20.6
5 1	11 43.34	− 1 23.3	1.721	2.543	16.0	20.9

381149 2007 GN_5 3 22.7 197.°20 4.°6/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.84	+10 21.9	2.073	2.952	10.5	20.8
3 2	12 23.56	+11 39.3	2.013	2.950	7.5	20.6
3 12	12 16.66	+12 56.7	1.978	2.949	5.1	20.5
3 22	12 8.83	+14 6.9	1.973	2.947	4.9	20.4
4 1	12 0.94	+15 3.0	1.995	2.945	7.3	20.6
4 11	11 53.88	+15 40.4	2.044	2.943	10.4	20.8
4 21	11 48.31	+15 57.3	2.116	2.940	13.2	20.9
5 1	11 44.72	+15 53.9	2.207	2.938	15.7	21.1

230646 2003 RF_{19} 3 22.7 152.°86 0.°9/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.74	− 6 26.0	2.241	3.084	11.3	20.8
3 2	12 23.38	− 5 52.2	2.169	3.089	8.2	20.6
3 12	12 16.53	− 5 5.9	2.121	3.093	4.6	20.4
3 22	12 8.84	− 4 11.1	2.103	3.098	1.2	20.1
4 1	12 1.08	− 3 12.8	2.114	3.102	3.3	20.3
4 11	11 54.07	− 2 16.8	2.153	3.106	6.9	20.5
4 21	11 48.44	− 1 28.1	2.220	3.109	10.2	20.7
5 1	11 44.64	− 0 50.3	2.308	3.112	13.0	20.9

430421 1998 TA_3 3 22.7 111.°23 5.°5/20.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.49	+11 55.3	1.051	1.923	18.9	20.5
3 2	12 41.97	+11 35.5	1.001	1.936	13.6	20.2
3 12	12 26.72	+11 6.6	0.974	1.948	8.2	20.0
3 22	12 9.51	+10 21.7	0.972	1.959	5.6	19.8
4 1	11 52.70	+ 9 17.7	0.997	1.970	9.3	20.1
4 11	11 38.45	+ 7 56.0	1.048	1.981	14.6	20.4
4 21	11 28.05	+ 6 21.2	1.121	1.991	19.3	20.7
5 1	11 21.95	+ 4 37.6	1.211	2.001	23.2	21.0

473926 2016 ES_{158} 3 22.7 5.°44 3.°8/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.63	+ 4 51.5	1.223	2.117	15.1	20.9
3 2	12 24.17	+ 5 49.4	1.169	2.117	10.5	20.6
3 12	12 17.24	+ 6 53.9	1.137	2.118	5.8	20.4
3 22	12 8.89	+ 7 55.5	1.129	2.119	4.0	20.3
4 1	12 0.48	+ 8 44.1	1.146	2.122	7.8	20.5
4 11	11 53.40	+ 9 12.2	1.186	2.125	12.6	20.8
4 21	11 48.62	+ 9 16.9	1.246	2.130	16.9	21.0
5 1	11 46.72	+ 8 58.0	1.324	2.135	20.5	21.3

273566 2007 BB_{100} 3 22.7 154.°36 1.°7/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.37	+ 1 14.9	1.867	2.736	12.0	21.3
3 2	12 24.74	+ 2 4.6	1.802	2.739	8.3	21.0
3 12	12 17.33	+ 3 2.3	1.762	2.742	4.3	20.8
3 22	12 8.90	+ 4 1.9	1.751	2.745	1.7	20.6
4 1	12 0.41	+ 4 56.5	1.768	2.748	5.1	20.9
4 11	11 52.85	+ 5 40.2	1.812	2.750	9.0	21.1
4 21	11 46.96	+ 6 9.0	1.880	2.752	12.6	21.3
5 1	11 43.23	+ 6 21.1	1.970	2.754	15.6	21.5

452781 2006 DY_{112} 3 22.7 114.°52 1.°5/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.78	+ 0 39.2	1.609	2.475	13.7	21.8
3 2	12 27.92	+ 1 20.7	1.556	2.492	9.5	21.6
3 12	12 19.01	+ 2 10.8	1.529	2.508	4.9	21.3
3 22	12 9.01	+ 3 3.0	1.528	2.524	1.5	21.1
4 1	11 59.11	+ 3 50.0	1.556	2.539	5.3	21.4
4 11	11 50.46	+ 4 25.5	1.612	2.553	9.7	21.7
4 21	11 43.87	+ 4 46.0	1.691	2.567	13.5	22.0
5 1	11 39.81	+ 4 49.9	1.790	2.580	16.7	22.2

505201 2012 TY_{166} 3 22.7 156.°61 0.°9/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.40	+ 0 5.5	2.738	3.595	9.0	22.4
3 2	12 22.21	+ 0 53.9	2.670	3.602	6.3	22.2
3 12	12 15.83	+ 1 48.5	2.630	3.608	3.2	22.0
3 22	12 8.80	+ 2 45.1	2.619	3.614	1.0	21.8
4 1	12 1.75	+ 3 39.2	2.639	3.619	3.6	22.0
4 11	11 55.30	+ 4 26.5	2.688	3.624	6.6	22.2
4 21	11 49.97	+ 5 3.7	2.764	3.629	9.3	22.4
5 1	11 46.13	+ 5 29.0	2.863	3.633	11.6	22.6

281062 2006 KQ_{33} 3 22.7 100.°21 1.°7/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.89	+ 2 3.8	2.027	2.897	11.2	20.7
3 2	12 23.58	+ 2 50.0	1.964	2.901	7.7	20.5
3 12	12 16.67	+ 3 42.5	1.927	2.906	4.0	20.3
3 22	12 8.86	+ 4 35.8	1.917	2.911	1.8	20.2
4 1	12 1.02	+ 5 23.9	1.937	2.916	4.8	20.4
4 11	11 54.03	+ 6 1.6	1.984	2.920	8.5	20.6
4 21	11 48.55	+ 6 25.6	2.055	2.925	11.8	20.8
5 1	11 45.03	+ 6 34.3	2.148	2.929	14.6	21.0

353423 2011 QU_{27} 3 22.7 179.°62 0.°1/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.65	− 3 32.6	3.278	4.120	8.1	23.1
3 2	12 21.56	− 2 56.7	3.199	4.121	5.7	23.0
3 12	12 15.46	− 2 13.7	3.147	4.122	3.1	22.8
3 22	12 8.78	− 1 26.5	3.126	4.122	0.3	22.5
4 1	12 2.06	− 0 38.5	3.136	4.122	2.6	22.7
4 11	11 55.81	+ 0 6.5	3.177	4.122	5.3	22.9
4 21	11 50.49	+ 0 45.6	3.245	4.120	7.7	23.1
5 1	11 46.42	+ 1 16.3	3.338	4.119	9.9	23.2

437236 2012 XO_{20} 3 22.7 102.°11 4.°3/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.73	+11 59.2	2.336	3.211	9.6	20.7
3 2	12 23.29	+12 52.8	2.281	3.216	7.0	20.5
3 12	12 16.45	+13 44.0	2.254	3.222	4.8	20.4
3 22	12 8.85	+14 27.4	2.255	3.227	4.6	20.4
4 1	12 1.26	+14 58.0	2.284	3.232	6.6	20.5
4 11	11 54.45	+15 12.7	2.340	3.238	9.3	20.7
4 21	11 49.00	+15 10.6	2.420	3.243	11.8	20.9
5 1	11 45.33	+14 52.2	2.520	3.248	14.0	21.1

104402 2000 FU_{46} 3 22.7 328.°18 7.°7/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 36.44	+18 2.9	1.601	2.476	13.3	19.2
3 2	12 29.27	+18 49.5	1.546	2.474	10.2	19.0
3 12	12 19.80	+19 26.2	1.516	2.472	8.0	18.8
3 22	12 9.08	+19 44.6	1.512	2.470	8.1	18.8
4 1	11 58.39	+19 38.7	1.534	2.469	10.4	19.0
4 11	11 49.01	+19 6.8	1.580	2.467	13.5	19.1
4 21	11 41.86	+18 10.8	1.647	2.466	16.6	19.3
5 1	11 37.46	+16 54.8	1.733	2.465	19.3	19.5

405167 2002 VF_{13} 3 22.7 81.°33 3.°2/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.96	−13 6.0	1.774	2.594	14.8	21.6
3 2	12 26.43	−12 35.2	1.727	2.628	11.1	21.5
3 12	12 18.12	−11 44.0	1.704	2.662	7.1	21.3
3 22	12 8.96	−10 36.7	1.708	2.695	3.7	21.2
4 1	12 0.00	− 9 20.1	1.741	2.727	4.2	21.3
4 11	11 52.24	− 8 2.5	1.802	2.759	7.6	21.5
4 21	11 46.36	− 6 51.2	1.889	2.790	11.1	21.8
5 1	11 42.77	− 5 51.8	1.998	2.821	14.1	22.1

344866 2004 JP_5 3 22.7 304.°50 12.°7/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.38	+41 17.2	2.193	2.993	13.0	20.0
3 2	12 27.01	+42 50.2	2.166	2.983	12.7	20.0
3 12	12 18.56	+43 58.5	2.160	2.973	12.9	20.0
3 22	12 8.99	+44 35.0	2.176	2.964	13.8	20.0
4 1	11 59.47	+44 36.2	2.211	2.954	15.0	20.1
4 11	11 51.16	+44 2.6	2.264	2.945	16.4	20.2
4 21	11 44.87	+42 58.2	2.332	2.936	17.7	20.3
5 1	11 41.10	+41 28.4	2.412	2.926	18.8	20.4

266313 2007 CU_{40} 3 22.7 106.°79 1.°6/21.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.82	+ 0 40.0	1.814	2.683	12.3	21.3
3 2	12 24.34	+ 1 38.8	1.756	2.693	8.5	21.1
3 12	12 17.10	+ 2 46.1	1.723	2.703	4.4	20.8
3 22	12 8.90	+ 3 55.4	1.718	2.713	1.7	20.7
4 1	12 0.71	+ 4 59.2	1.742	2.723	5.1	20.9
4 11	11 53.49	+ 5 51.1	1.793	2.732	9.1	21.2
4 21	11 47.98	+ 6 27.1	1.869	2.741	12.6	21.4
5 1	11 44.63	+ 6 45.4	1.965	2.750	15.6	21.6

134679 1999 XX_4 3 22.7 210.°52 0.°3/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.20	− 3 0.9	2.073	2.925	11.7	20.7
3 2	12 25.31	− 2 13.9	1.990	2.918	8.3	20.5
3 12	12 17.66	− 1 15.2	1.933	2.910	4.4	20.2
3 22	12 8.95	− 0 9.7	1.905	2.902	0.3	19.9
4 1	12 0.06	+ 0 56.4	1.907	2.893	4.1	20.2
4 11	11 51.94	+ 1 56.5	1.938	2.883	8.1	20.4
4 21	11 45.34	+ 2 45.3	1.994	2.872	11.7	20.6
5 1	11 40.80	+ 3 19.6	2.073	2.861	14.8	20.8

415062 2012 BM_{44} 3 22.7 17.°70 0.°6/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.22	− 3 53.4	1.244	2.120	16.3	19.9
3 2	12 25.28	− 3 37.7	1.186	2.124	11.7	19.6
3 12	12 17.85	− 3 5.7	1.150	2.128	6.4	19.3
3 22	12 8.96	− 2 23.2	1.138	2.134	0.9	19.0
4 1	12 0.00	− 1 38.0	1.151	2.141	5.1	19.3
4 11	11 52.37	− 0 58.6	1.188	2.148	10.4	19.6
4 21	11 47.09	− 0 31.4	1.247	2.156	15.1	19.9
5 1	11 44.73	− 0 20.5	1.325	2.165	18.9	20.2

321137 2008 UY_{147} 3 22.7 80.°20 0.°5/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.26	− 1 22.7	1.990	2.851	11.7	21.2
3 2	12 23.89	− 0 50.8	1.922	2.854	8.2	21.0
3 12	12 16.87	− 0 9.8	1.879	2.857	4.3	20.7
3 22	12 8.89	+ 0 35.8	1.864	2.861	0.5	20.4
4 1	12 0.86	+ 1 20.3	1.878	2.864	4.1	20.7
4 11	11 53.66	+ 1 58.2	1.920	2.867	8.0	21.0
4 21	11 48.02	+ 2 25.4	1.987	2.870	11.5	21.2
5 1	11 44.39	+ 2 39.4	2.075	2.873	14.5	21.4

227614 2006 BJ_1 3 22.7 89.°58 1.°1/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.23	− 0 21.2	1.889	2.754	12.1	20.8
3 2	12 24.51	+ 0 26.9	1.837	2.772	8.4	20.6
3 12	12 17.14	+ 1 23.5	1.810	2.789	4.3	20.4
3 22	12 8.91	+ 2 22.7	1.810	2.806	1.1	20.2
4 1	12 0.74	+ 3 18.1	1.840	2.823	4.6	20.5
4 11	11 53.55	+ 4 3.6	1.897	2.840	8.4	20.7
4 21	11 48.03	+ 4 35.7	1.979	2.856	11.9	21.0
5 1	11 44.59	+ 4 52.2	2.083	2.872	14.7	21.2

459776 2013 RU_7 3 22.7 311.°51 2.°5/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.66	− 0 32.7	1.537	2.417	13.4	20.8
3 2	12 21.83	+ 1 21.4	1.464	2.407	9.3	20.6
3 12	12 15.96	+ 3 32.2	1.416	2.397	4.8	20.3
3 22	12 8.83	+ 5 49.2	1.395	2.388	2.7	20.1
4 1	12 1.51	+ 7 59.6	1.403	2.379	6.7	20.3
4 11	11 55.12	+ 9 51.7	1.436	2.370	11.3	20.6
4 21	11 50.54	+11 18.0	1.492	2.361	15.5	20.8
5 1	11 48.37	+12 15.3	1.568	2.353	18.9	21.0

83728 2001 TH_{110} 3 22.7 229.°23 0.°2/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.78	− 1 17.9	2.359	3.213	10.4	19.5
3 2	12 24.11	− 1 1.0	2.279	3.208	7.3	19.3
3 12	12 16.94	− 0 36.8	2.227	3.204	3.9	19.0
3 22	12 8.90	− 0 8.5	2.203	3.199	0.3	18.7
4 1	12 0.75	+ 0 19.6	2.209	3.195	3.5	19.0
4 11	11 53.28	+ 0 43.5	2.244	3.190	7.1	19.2
4 21	11 47.13	+ 0 59.7	2.305	3.185	10.3	19.4
5 1	11 42.77	+ 1 6.0	2.388	3.180	13.0	19.6

82641 2001 PO_5 3 22.7 220.°52 3.°3/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.00	−13 49.3	2.389	3.198	11.8	19.2
3 2	12 22.91	−13 38.3	2.302	3.194	9.1	19.0
3 12	12 16.33	−13 10.9	2.239	3.190	6.2	18.8
3 22	12 8.86	−12 29.0	2.204	3.185	3.7	18.7
4 1	12 1.25	−11 36.1	2.197	3.181	3.8	18.7
4 11	11 54.28	−10 37.7	2.220	3.176	6.5	18.8
4 21	11 48.60	− 9 39.3	2.269	3.171	9.5	19.0
5 1	11 44.69	− 8 46.4	2.341	3.165	12.2	19.2

455692 2005 EA_{125} 3 22.7 27.°00 0.°3/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.79	− 1 12.1	1.290	2.166	15.8	20.8
3 2	12 27.02	− 1 2.1	1.233	2.171	11.2	20.5
3 12	12 18.74	− 0 40.3	1.198	2.177	5.9	20.2
3 22	12 9.03	− 0 12.1	1.188	2.184	0.4	19.9
4 1	11 59.27	+ 0 15.5	1.203	2.191	5.3	20.2
4 11	11 50.89	+ 0 35.6	1.244	2.199	10.5	20.6
4 21	11 44.88	+ 0 43.3	1.306	2.207	15.1	20.8
5 1	11 41.80	+ 0 36.1	1.388	2.216	18.8	21.1

253324 2003 EP_{21} 3 22.7 68.°68 1.°3/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.29	− 6 25.8	1.604	2.455	14.6	20.3
3 2	12 26.77	− 5 59.6	1.562	2.486	10.4	20.1
3 12	12 18.34	− 5 18.3	1.544	2.517	5.9	19.9
3 22	12 8.99	− 4 27.0	1.552	2.547	1.5	19.7
4 1	11 59.86	− 3 32.7	1.589	2.578	4.1	19.9
4 11	11 52.03	− 2 42.5	1.653	2.608	8.4	20.3
4 21	11 46.21	− 2 2.0	1.741	2.638	12.2	20.5
5 1	11 42.81	− 1 34.8	1.851	2.667	15.3	20.8

500526 2012 TW_{308} 3 22.7 127.°08 0.°3/23.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.13	− 3 25.6	2.554	3.400	10.0	21.7
3 2	12 23.48	− 3 2.5	2.487	3.412	7.1	21.6
3 12	12 16.53	− 2 31.2	2.448	3.423	3.8	21.4
3 22	12 8.88	− 1 54.9	2.437	3.433	0.4	21.1
4 1	12 1.22	− 1 17.7	2.457	3.444	3.1	21.3
4 11	11 54.24	− 0 43.7	2.506	3.454	6.3	21.6
4 21	11 48.51	− 0 16.3	2.582	3.464	9.2	21.8
5 1	11 44.41	+ 0 1.9	2.681	3.473	11.7	22.0

148321 2000 QV_{52} 3 22.7 287.°12 2.°1/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.82	+ 1 27.3	1.727	2.601	12.5	20.0
3 2	12 23.98	+ 2 27.5	1.642	2.582	8.8	19.7
3 12	12 17.10	+ 3 38.3	1.582	2.563	4.6	19.4
3 22	12 8.93	+ 4 53.0	1.550	2.543	2.2	19.2
4 1	12 0.46	+ 6 3.1	1.545	2.524	5.8	19.4
4 11	11 52.79	+ 7 1.0	1.566	2.504	10.2	19.6
4 21	11 46.84	+ 7 41.1	1.611	2.485	14.3	19.8
5 1	11 43.23	+ 8 0.8	1.675	2.465	17.7	20.0

132173 2002 EU_{22} 3 22.7 6.°05 4.°4/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.26	+ 7 19.7	1.264	2.153	15.1	19.3
3 2	12 27.42	+ 8 0.7	1.208	2.153	10.6	19.0
3 12	12 18.99	+ 8 44.0	1.175	2.154	6.2	18.8
3 22	12 9.06	+ 9 20.9	1.166	2.154	4.6	18.7
4 1	11 59.07	+ 9 43.1	1.183	2.156	8.2	18.9
4 11	11 50.50	+ 9 45.1	1.223	2.158	12.8	19.2
4 21	11 44.38	+ 9 25.4	1.284	2.160	17.0	19.4
5 1	11 41.28	+ 8 45.1	1.363	2.163	20.5	19.7

243739 2000 PO_{18} 3 22.7 212.°54 0.°5/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.45	− 1 44.8	1.853	2.710	12.6	21.4
3 2	12 27.06	− 1 9.8	1.773	2.704	9.0	21.1
3 12	12 18.67	− 0 23.9	1.718	2.696	4.7	20.8
3 22	12 9.04	+ 0 28.0	1.692	2.688	0.5	20.5
4 1	11 59.21	+ 1 19.6	1.694	2.679	4.5	20.8
4 11	11 50.26	+ 2 4.3	1.724	2.669	8.9	21.0
4 21	11 43.06	+ 2 37.3	1.780	2.659	12.8	21.2
5 1	11 38.20	+ 2 55.4	1.856	2.648	16.2	21.4

68710 2002 CN_{244} 3 22.7 40.°17 0.°2/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.06	− 3 24.3	1.273	2.149	16.0	19.0
3 2	12 25.09	− 2 39.4	1.218	2.156	11.3	18.7
3 12	12 17.71	− 1 37.9	1.185	2.164	6.0	18.4
3 22	12 8.98	− 0 27.4	1.177	2.173	0.4	18.0
4 1	12 0.22	+ 0 42.5	1.194	2.182	5.3	18.4
4 11	11 52.81	+ 1 42.1	1.236	2.191	10.6	18.7
4 21	11 47.67	+ 2 24.8	1.300	2.201	15.1	19.0
5 1	11 45.36	+ 2 47.2	1.383	2.211	18.9	19.3

352707 2008 SQ_{179} 3 22.7 71.°34 1.°9/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.29	− 0 5.1	1.285	2.165	15.5	20.6
3 2	12 25.94	+ 0 59.3	1.231	2.173	10.8	20.3
3 12	12 18.16	+ 2 16.7	1.200	2.181	5.6	20.0
3 22	12 9.02	+ 3 37.9	1.194	2.189	2.0	19.8
4 1	11 59.88	+ 4 52.1	1.215	2.197	6.4	20.1
4 11	11 52.09	+ 5 50.1	1.260	2.206	11.4	20.4
4 21	11 46.62	+ 6 26.7	1.327	2.214	15.8	20.7
5 1	11 44.00	+ 6 40.1	1.412	2.222	19.5	21.0

298990 2004 XY_{23} 3 22.7 141.°03 0.°5/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.08	− 1 50.4	1.826	2.683	12.8	21.6
3 2	12 27.34	− 1 13.5	1.765	2.695	9.0	21.4
3 12	12 18.73	− 0 26.3	1.729	2.706	4.7	21.2
3 22	12 9.07	+ 0 26.0	1.721	2.717	0.5	20.8
4 1	11 59.43	+ 1 16.8	1.742	2.727	4.4	21.2
4 11	11 50.84	+ 1 59.9	1.792	2.737	8.6	21.4
4 21	11 44.07	+ 2 31.1	1.866	2.745	12.3	21.7
5 1	11 39.62	+ 2 47.7	1.962	2.753	15.4	21.9

244964 2004 AT_7 3 22.7 268.°84 15.°2/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.72	+24 25.0	1.030	1.926	17.1	19.5
3 2	12 25.66	+28 37.6	1.001	1.921	15.3	19.4
3 12	12 18.37	+32 28.5	0.995	1.915	15.7	19.4
3 22	12 9.06	+35 33.5	1.012	1.909	17.9	19.5
4 1	11 59.53	+37 36.9	1.049	1.904	21.1	19.6
4 11	11 51.67	+38 35.9	1.101	1.898	24.3	19.8
4 21	11 46.79	+38 37.1	1.165	1.892	27.0	20.0
5 1	11 45.53	+37 50.9	1.237	1.887	29.2	20.2

295700 2008 TQ_{174} 3 22.7 351.°93 2.°5/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.06	− 0 5.5	1.185	2.073	15.9	20.9
3 2	12 23.91	+ 1 20.2	1.124	2.071	11.1	20.6
3 12	12 17.21	+ 3 2.4	1.087	2.069	5.7	20.3
3 22	12 8.98	+ 4 49.8	1.073	2.067	2.7	20.1
4 1	12 0.60	+ 6 29.1	1.085	2.066	7.2	20.4
4 11	11 53.52	+ 7 48.5	1.120	2.066	12.6	20.7
4 21	11 48.78	+ 8 41.1	1.177	2.066	17.3	20.9
5 1	11 46.99	+ 9 4.7	1.250	2.066	21.2	21.2

78040 2002 JA_{106} 3 22.7 276.°76 1.°5/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.49	+ 0 17.7	1.594	2.465	13.5	20.6
3 2	12 26.05	+ 1 0.8	1.508	2.446	9.6	20.3
3 12	12 18.31	+ 1 55.4	1.447	2.427	5.0	20.0
3 22	12 9.06	+ 2 55.3	1.412	2.408	1.5	19.7
4 1	11 59.45	+ 3 52.6	1.405	2.388	5.6	19.9
4 11	11 50.72	+ 4 39.4	1.424	2.368	10.5	20.1
4 21	11 43.91	+ 5 10.1	1.466	2.348	14.9	20.3
5 1	11 39.72	+ 5 21.6	1.527	2.328	18.7	20.5

102712 1999 VQ_{93} 3 22.7 51.°97 0.°6/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.71	− 1 36.4	1.361	2.235	15.2	19.5
3 2	12 26.10	− 1 2.9	1.309	2.247	10.7	19.2
3 12	12 18.19	− 0 16.8	1.280	2.260	5.6	19.0
3 22	12 9.04	+ 0 35.1	1.277	2.273	0.6	18.6
4 1	11 59.95	+ 1 24.7	1.299	2.286	5.3	19.0
4 11	11 52.18	+ 2 4.4	1.347	2.300	10.2	19.3
4 21	11 46.63	+ 2 29.2	1.418	2.313	14.5	19.6
5 1	11 43.81	+ 2 36.5	1.508	2.327	18.0	19.9

409256 2004 HO_1 3 22.7 275.°68 11.°4/10.5 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 45.83	+30 12.4	1.939	2.770	13.3	22.6
3 2	12 36.40	+31 45.4	1.852	2.727	11.9	22.4
3 12	12 23.97	+33 2.5	1.790	2.683	11.4	22.3
3 22	12 9.47	+33 51.7	1.754	2.637	12.4	22.3
4 1	11 54.33	+34 4.1	1.744	2.589	14.4	22.3
4 11	11 40.18	+33 36.5	1.758	2.540	17.0	22.4
4 21	11 28.34	+32 32.0	1.790	2.489	19.7	22.4
5 1	11 19.69	+30 56.7	1.839	2.436	22.1	22.5

419205 2009 UN_{99} 3 22.7 64.°14 3.°9/19.3 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 32.33	+ 8 6.9	1.696	2.575	12.5	20.5
3 2	12 26.12	+ 8 51.7	1.651	2.591	8.7	20.3
3 12	12 18.05	+ 9 36.8	1.631	2.607	5.2	20.2
3 22	12 9.03	+10 15.3	1.639	2.624	4.1	20.1
4 1	12 0.15	+10 40.9	1.674	2.640	6.9	20.3
4 11	11 52.44	+10 50.0	1.735	2.657	10.5	20.6
4 21	11 46.63	+10 41.3	1.819	2.674	13.7	20.8
5 1	11 43.15	+10 15.6	1.922	2.691	16.5	21.1

331521 2000 QY_{40} 3 22.7 199.°14 1.°0/23.7 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 33.08	− 6 19.5	2.141	2.978	12.0	22.4
3 2	12 26.61	− 5 48.5	2.056	2.974	8.7	22.2
3 12	12 18.38	− 5 4.2	1.997	2.969	4.9	22.0
3 22	12 9.07	− 4 10.1	1.967	2.962	1.2	21.7
4 1	11 59.60	− 3 11.6	1.968	2.955	3.6	21.9
4 11	11 50.89	− 2 15.0	1.997	2.947	7.5	22.1
4 21	11 43.71	− 1 25.6	2.053	2.938	11.1	22.3
5 1	11 38.60	− 0 47.7	2.132	2.928	14.2	22.5

96087 1035 T_{-2} 3 22.7 85.°69 1.°0/23.8 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 30.16	−11 25.3	1.447	2.291	16.3	19.1
3 2	12 24.82	− 9 17.9	1.395	2.316	11.7	18.9
3 12	12 17.43	− 6 43.8	1.368	2.340	6.6	18.6
3 22	12 9.00	− 3 54.3	1.368	2.364	1.4	18.3
4 1	12 0.74	− 1 4.2	1.399	2.387	4.5	18.6
4 11	11 53.78	+ 1 31.6	1.457	2.410	9.5	19.0
4 21	11 48.91	+ 3 42.6	1.542	2.433	13.8	19.3
5 1	11 46.53	+ 5 23.7	1.647	2.455	17.2	19.5

121340 1999 TO_{17} 3 22.7 113.°55 11.°1/17.7 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 50.43	+23 10.1	1.187	2.051	17.7	18.7
3 2	12 39.49	+23 46.5	1.148	2.063	14.2	18.5
3 12	12 25.28	+24 1.0	1.131	2.075	11.6	18.4
3 22	12 9.54	+23 42.9	1.138	2.087	11.4	18.4
4 1	11 54.37	+22 47.6	1.171	2.098	13.7	18.5
4 11	11 41.65	+21 18.6	1.227	2.109	17.0	18.8
4 21	11 32.46	+19 24.2	1.303	2.119	20.3	19.0
5 1	11 27.16	+17 13.2	1.396	2.129	23.2	19.3

138702 2000 SW_{85} 3 22.7 83.°72 2.°5/20.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 31.07	+ 1 49.5	1.440	2.319	14.2	19.4
3 2	12 25.57	+ 2 59.3	1.388	2.330	9.8	19.2
3 12	12 17.90	+ 4 18.3	1.360	2.341	5.1	18.9
3 22	12 9.04	+ 5 37.7	1.358	2.351	2.7	18.8
4 1	12 0.23	+ 6 47.8	1.384	2.362	6.5	19.1
4 11	11 52.65	+ 7 41.0	1.434	2.373	11.0	19.3
4 21	11 47.18	+ 8 13.0	1.508	2.383	15.0	19.6
5 1	11 44.30	+ 8 22.8	1.599	2.393	18.2	19.9

237487 2000 KU_{12} 3 22.7 232.°34 4.°0/19.4 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 34.24	+ 7 0.8	1.650	2.526	12.9	20.9
3 2	12 27.83	+ 7 56.9	1.577	2.516	9.1	20.6
3 12	12 19.18	+ 8 56.8	1.529	2.506	5.4	20.4
3 22	12 9.14	+ 9 52.6	1.509	2.495	4.2	20.3
4 1	11 58.90	+10 36.2	1.516	2.484	7.4	20.4
4 11	11 49.67	+11 1.7	1.549	2.472	11.5	20.6
4 21	11 42.43	+11 6.4	1.605	2.459	15.3	20.8
5 1	11 37.79	+10 50.4	1.680	2.446	18.6	21.0

52439 1994 QL 3 22.7 200.°94 16.°8/10.7 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 53.86	+38 32.7	1.385	2.198	18.5	18.2
3 2	12 42.19	+39 56.4	1.349	2.196	17.2	18.1
3 12	12 26.84	+40 44.2	1.333	2.192	16.8	18.0
3 22	12 9.66	+40 43.1	1.338	2.187	17.5	18.1
4 1	11 52.99	+39 47.8	1.364	2.182	19.1	18.1
4 11	11 38.95	+38 3.3	1.409	2.176	21.2	18.3
4 21	11 28.74	+35 40.7	1.471	2.169	23.4	18.4
5 1	11 22.75	+32 52.1	1.547	2.161	25.2	18.6

55943 1998 HJ_{15} 3 22.7 48.°14 9.°2/12.7 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 33.41	+27 50.0	2.114	2.967	11.5	18.4
3 2	12 26.71	+28 48.5	2.081	2.974	9.9	18.3
3 12	12 18.31	+29 30.7	2.072	2.982	9.2	18.3
3 22	12 9.07	+29 50.2	2.089	2.991	9.7	18.3
4 1	12 0.01	+29 43.5	2.130	2.999	11.2	18.4
4 11	11 52.08	+29 10.4	2.195	3.007	13.1	18.6
4 21	11 45.94	+28 13.6	2.280	3.016	15.0	18.7
5 1	11 42.00	+26 57.3	2.382	3.025	16.6	18.9

458122 2010 EW_{45} 3 22.7 159.°38 0.°7/23.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 36.56	− 6 21.7	2.551	3.374	10.7	22.9
3 2	12 28.68	− 5 34.5	2.477	3.388	7.7	22.8
3 12	12 19.32	− 4 35.7	2.431	3.401	4.3	22.6
3 22	12 9.16	− 3 29.3	2.417	3.413	0.9	22.3
4 1	11 58.99	− 2 20.5	2.436	3.422	3.2	22.5
4 11	11 49.63	− 1 15.0	2.486	3.430	6.6	22.8
4 21	11 41.70	− 0 17.4	2.566	3.436	9.7	23.0
5 1	11 35.64	+ 0 28.8	2.670	3.441	12.3	23.2

153117 2000 SA_{78} 3 22.7 102.°33 0.°6/23.3 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 29.67	− 5 25.2	1.912	2.763	12.6	20.3
3 2	12 24.21	− 4 43.7	1.850	2.776	9.0	20.1
3 12	12 17.07	− 3 48.8	1.814	2.789	4.9	19.8
3 22	12 9.00	− 2 45.6	1.805	2.801	0.8	19.6
4 1	12 0.94	− 1 40.5	1.825	2.813	3.8	19.8
4 11	11 53.81	− 0 40.3	1.873	2.825	7.8	20.1
4 21	11 48.30	+ 0 9.6	1.946	2.837	11.4	20.3
5 1	11 44.87	+ 0 45.6	2.041	2.848	14.4	20.5

427376 2014 XQ_{12} 3 22.7 78.°46 0.°2/22.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 30.88	− 2 45.2	1.686	2.549	13.4	21.3
3 2	12 25.19	− 2 6.1	1.631	2.564	9.4	21.1
3 12	12 17.62	− 1 15.3	1.601	2.579	5.0	20.9
3 22	12 9.04	− 0 18.4	1.598	2.594	0.3	20.6
4 1	12 0.52	+ 0 37.4	1.623	2.610	4.4	20.9
4 11	11 53.08	+ 1 25.4	1.675	2.625	8.7	21.2
4 21	11 47.48	+ 2 0.8	1.751	2.640	12.5	21.5
5 1	11 44.19	+ 2 20.8	1.848	2.655	15.7	21.7

57221 2001 QN_{74} 3 22.7 205.°56 0.°6/23.4 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 30.02	− 5 22.0	2.097	2.943	11.8	20.0
3 2	12 24.48	− 4 43.5	2.016	2.939	8.5	19.7
3 12	12 17.25	− 3 52.0	1.961	2.935	4.7	19.5
3 22	12 9.02	− 2 51.8	1.934	2.930	0.8	19.2
4 1	12 0.65	− 1 48.5	1.936	2.924	3.6	19.4
4 11	11 53.03	− 0 48.6	1.967	2.918	7.6	19.6
4 21	11 46.89	+ 0 2.5	2.024	2.911	11.2	19.8
5 1	11 42.75	+ 0 40.9	2.104	2.904	14.2	20.0

31678 1999 JX_{18} 3 22.7 314.°24 4.°8/26.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 30.49	−13 42.4	1.394	2.231	17.2	17.7
3 2	12 25.58	−13 46.3	1.316	2.224	13.4	17.4
3 12	12 18.15	−13 24.8	1.260	2.217	9.1	17.1
3 22	12 9.10	−12 39.2	1.227	2.211	5.4	16.9
4 1	11 59.72	−11 34.8	1.219	2.205	5.7	16.9
4 11	11 51.44	−10 21.2	1.236	2.199	9.7	17.1
4 21	11 45.36	− 9 8.5	1.277	2.194	14.1	17.3
5 1	11 42.18	− 8 5.9	1.337	2.189	18.1	17.6

57149 2001 PF_{59} 3 22.7 119.°20 5.°1/14.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 27.37	+14 55.7	2.607	3.481	8.8	18.9
3 2	12 22.26	+16 36.8	2.568	3.497	6.6	18.8
3 12	12 15.92	+18 13.7	2.557	3.512	5.2	18.7
3 22	12 8.93	+19 39.7	2.576	3.527	5.6	18.7
4 1	12 1.96	+20 49.3	2.624	3.542	7.4	18.9
4 11	11 55.68	+21 39.2	2.698	3.556	9.6	19.0
4 21	11 50.63	+22 8.6	2.796	3.570	11.6	19.2
5 1	11 47.16	+22 18.3	2.913	3.584	13.4	19.4

124663 2001 SP_{85} 3 22.7 80.°60 2.°4/24.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 33.80	− 8 6.2	1.350	2.204	16.6	20.1
3 2	12 27.69	− 7 57.1	1.292	2.215	12.2	19.8
3 12	12 19.12	− 7 28.1	1.256	2.226	7.3	19.6
3 22	12 9.16	− 6 43.3	1.244	2.238	2.7	19.3
4 1	11 59.17	− 5 50.0	1.260	2.249	4.8	19.5
4 11	11 50.54	− 4 57.1	1.300	2.260	9.6	19.8
4 21	11 44.26	− 4 12.2	1.364	2.271	14.1	20.1
5 1	11 40.88	− 3 40.9	1.448	2.282	17.9	20.3

167661 2004 ED_{21} 3 22.7 110.°96 0.°4/23.1 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 31.43	− 2 49.0	2.310	3.158	10.8	20.2
3 2	12 25.24	− 2 42.3	2.242	3.167	7.7	20.0
3 12	12 17.55	− 2 27.5	2.201	3.176	4.2	19.8
3 22	12 9.05	− 2 7.6	2.189	3.185	0.5	19.5
4 1	12 0.52	− 1 46.4	2.207	3.194	3.3	19.8
4 11	11 52.77	− 1 27.8	2.254	3.203	6.9	20.0
4 21	11 46.44	− 1 15.1	2.327	3.211	10.0	20.2
5 1	11 41.95	− 1 10.8	2.423	3.220	12.7	20.4

419099 2009 SW_{158} 3 22.7 62.°94 3.°3/26.3 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 29.46	−13 42.4	1.687	2.514	15.1	21.0
3 2	12 24.16	−13 3.7	1.637	2.541	11.4	20.8
3 12	12 17.04	−12 2.7	1.609	2.568	7.4	20.6
3 22	12 9.01	−10 44.2	1.608	2.595	3.9	20.5
4 1	12 1.11	− 9 15.7	1.634	2.622	4.3	20.5
4 11	11 54.35	− 7 46.5	1.688	2.649	7.8	20.8
4 21	11 49.41	− 6 24.6	1.768	2.676	11.4	21.1
5 1	11 46.72	− 5 16.1	1.869	2.702	14.5	21.3

3649 Guillermina 3 22.7 330.°60 3.°1/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.99	+ 6 9.3	2.148	3.024	10.3	16.8
3 2	12 22.27	+ 7 9.6	2.081	3.021	7.2	16.6
3 12	12 16.05	+ 8 13.2	2.041	3.019	4.1	16.4
3 22	12 8.95	+ 9 14.1	2.030	3.016	3.3	16.4
4 1	12 1.78	+10 6.0	2.047	3.014	5.8	16.5
4 11	11 55.36	+10 44.2	2.091	3.012	9.0	16.7
4 21	11 50.32	+11 5.9	2.159	3.010	12.0	16.9
5 1	11 47.11	+11 10.2	2.247	3.008	14.6	17.1

412528 2014 MX_{37} 3 22.7 315.°57 5.°1/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.96	+ 7 0.6	1.338	2.229	14.3	20.1
3 2	12 25.09	+ 8 30.6	1.279	2.225	10.1	19.8
3 12	12 17.81	+10 6.2	1.243	2.220	6.1	19.6
3 22	12 9.08	+11 36.2	1.232	2.216	5.5	19.5
4 1	12 0.22	+12 49.1	1.247	2.212	9.0	19.7
4 11	11 52.57	+13 36.8	1.286	2.208	13.4	19.9
4 21	11 47.12	+13 56.2	1.345	2.204	17.4	20.2
5 1	11 44.48	+13 47.9	1.421	2.201	20.8	20.4

69073 2003 AB_{43} 3 22.7 67.°77 6.°5/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.24	−18 35.9	1.600	2.400	17.1	19.3
3 2	12 27.74	−19 3.3	1.546	2.424	13.7	19.2
3 12	12 19.05	−19 4.8	1.514	2.448	10.1	19.0
3 22	12 9.17	−18 40.8	1.506	2.472	7.2	18.9
4 1	11 59.34	−17 55.5	1.523	2.496	6.7	18.9
4 11	11 50.79	−16 56.8	1.568	2.520	9.0	19.1
4 21	11 44.39	−15 53.6	1.636	2.544	12.1	19.3
5 1	11 40.64	−14 54.1	1.726	2.568	15.1	19.6

497834 2006 UX_{36} 3 22.7 110.°53 3.°6/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.80	−17 0.3	2.636	3.426	11.4	22.5
3 2	12 21.91	−16 33.6	2.563	3.440	8.9	22.3
3 12	12 15.77	−15 49.6	2.514	3.453	6.3	22.2
3 22	12 8.94	−14 50.7	2.492	3.467	4.1	22.1
4 1	12 2.10	−13 40.9	2.500	3.480	3.8	22.1
4 11	11 55.93	−12 25.7	2.538	3.493	5.8	22.2
4 21	11 50.94	−11 10.7	2.603	3.505	8.4	22.4
5 1	11 47.54	−10 1.3	2.692	3.518	10.8	22.6

332395 2007 HR_{53} 3 22.7 211.°70 3.°9/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.34	+ 9 24.0	2.200	3.073	10.2	20.8
3 2	12 24.62	+10 23.3	2.132	3.068	7.3	20.6
3 12	12 17.30	+11 23.1	2.090	3.063	4.6	20.4
3 22	12 9.05	+12 17.3	2.078	3.057	4.2	20.4
4 1	12 0.72	+13 0.0	2.094	3.051	6.5	20.5
4 11	11 53.16	+13 26.8	2.138	3.044	9.6	20.7
4 21	11 47.05	+13 36.1	2.205	3.038	12.5	20.9
5 1	11 42.86	+13 27.6	2.293	3.030	15.0	21.0

134394 1997 BW_3 3 22.7 212.°74 3.°6/19.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.10	+ 5 57.1	1.827	2.703	11.9	20.6
3 2	12 25.42	+ 7 11.5	1.758	2.698	8.3	20.4
3 12	12 17.83	+ 8 31.0	1.715	2.692	4.8	20.1
3 22	12 9.10	+ 9 47.6	1.700	2.686	3.9	20.1
4 1	12 0.23	+10 53.2	1.713	2.679	6.8	20.2
4 11	11 52.27	+11 41.5	1.753	2.672	10.6	20.4
4 21	11 46.03	+12 9.2	1.816	2.664	14.1	20.6
5 1	11 42.04	+12 15.6	1.899	2.656	17.0	20.8

87709 2000 SH_{28} 3 22.7 290.°96 6.°0/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.46	−19 21.4	1.796	2.592	15.6	19.1
3 2	12 23.91	−19 18.9	1.693	2.569	12.7	18.8
3 12	12 17.21	−18 50.0	1.611	2.545	9.5	18.6
3 22	12 9.06	−17 54.4	1.553	2.522	6.8	18.4
4 1	12 0.47	−16 35.3	1.522	2.498	6.3	18.3
4 11	11 52.60	−15 0.5	1.517	2.474	8.8	18.4
4 21	11 46.44	−13 19.6	1.537	2.451	12.4	18.5
5 1	11 42.72	−11 42.9	1.580	2.427	16.0	18.7

97093 1999 VQ_{59} 3 22.7 28.°45 4.°6/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.19	+10 18.6	1.717	2.597	12.3	18.9
3 2	12 26.15	+10 58.2	1.662	2.601	8.7	18.7
3 12	12 18.17	+11 36.2	1.632	2.605	5.6	18.5
3 22	12 9.12	+12 5.7	1.628	2.610	4.8	18.5
4 1	12 0.09	+12 21.0	1.652	2.615	7.5	18.6
4 11	11 52.16	+12 18.5	1.702	2.620	11.0	18.8
4 21	11 46.11	+11 57.4	1.775	2.625	14.3	19.0
5 1	11 42.43	+11 18.9	1.866	2.631	17.0	19.3

410204 2007 RK_{207} 3 22.7 310.°00 2.°5/20.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.65	+ 0 11.0	1.274	2.160	15.2	20.8
3 2	12 23.70	+ 1 29.5	1.197	2.143	10.6	20.5
3 12	12 17.21	+ 3 5.0	1.144	2.126	5.6	20.2
3 22	12 9.07	+ 4 47.8	1.115	2.109	2.6	19.9
4 1	12 0.56	+ 6 25.5	1.112	2.093	7.1	20.2
4 11	11 53.12	+ 7 46.1	1.133	2.078	12.5	20.4
4 21	11 47.88	+ 8 41.7	1.174	2.062	17.4	20.6
5 1	11 45.57	+ 9 9.0	1.233	2.048	21.5	20.9

246841 Williamirace 3 22.8 61.°61 0.°9/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.37	− 5 59.0	1.710	2.565	13.6	21.1
3 2	12 24.12	− 5 21.8	1.655	2.582	9.8	20.9
3 12	12 17.07	− 4 29.9	1.624	2.599	5.4	20.7
3 22	12 9.05	− 3 28.5	1.620	2.616	1.1	20.4
4 1	12 1.08	− 2 24.6	1.644	2.633	3.9	20.6
4 11	11 54.15	− 1 25.5	1.695	2.650	8.2	20.9
4 21	11 49.00	− 0 37.2	1.771	2.668	12.0	21.2
5 1	11 46.08	− 0 3.2	1.868	2.685	15.1	21.4

37477 1110 T_{-1} 3 22.8 81.°94 1.°8/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.57	− 7 30.0	1.817	2.661	13.5	19.0
3 2	12 25.65	− 7 19.1	1.755	2.674	9.8	18.8
3 12	12 17.89	− 6 53.5	1.718	2.687	5.8	18.6
3 22	12 9.12	− 6 16.7	1.707	2.701	2.1	18.4
4 1	12 0.34	− 5 33.8	1.725	2.714	3.8	18.5
4 11	11 52.57	− 4 51.3	1.771	2.727	7.8	18.8
4 21	11 46.56	− 4 14.5	1.841	2.740	11.5	19.0
5 1	11 42.79	− 3 47.8	1.933	2.753	14.6	19.3

430000 2013 QT_{44} 3 22.8 202.°43 1.°0/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.84	− 5 34.8	2.293	3.131	11.2	22.0
3 2	12 25.67	− 5 17.6	2.209	3.127	8.1	21.8
3 12	12 17.89	− 4 49.3	2.151	3.122	4.6	21.5
3 22	12 9.13	− 4 12.8	2.122	3.117	1.2	21.3
4 1	12 0.22	− 3 32.5	2.123	3.110	3.4	21.4
4 11	11 52.01	− 2 53.4	2.153	3.104	7.0	21.6
4 21	11 45.20	− 2 20.0	2.210	3.096	10.4	21.8
5 1	11 40.30	− 1 55.7	2.290	3.088	13.3	22.0

502936 2015 EB_{40} 3 22.8 8.°44 2.°6/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.16	− 7 16.4	1.808	2.648	13.7	20.7
3 2	12 27.64	− 7 45.4	1.733	2.649	10.2	20.5
3 12	12 19.05	− 8 1.8	1.683	2.649	6.2	20.2
3 22	12 9.22	− 8 6.8	1.659	2.650	2.8	20.0
4 1	11 59.21	− 8 3.2	1.665	2.652	4.2	20.1
4 11	11 50.15	− 7 55.7	1.697	2.653	8.1	20.3
4 21	11 42.92	− 7 48.8	1.755	2.655	11.9	20.6
5 1	11 38.10	− 7 46.9	1.835	2.658	15.1	20.8

384255 2009 EL_{16} 3 22.8 45.°07 0.°5/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.44	− 4 53.3	1.979	2.834	12.0	21.2
3 2	12 22.65	− 4 17.7	1.915	2.843	8.6	21.0
3 12	12 16.27	− 3 30.0	1.876	2.852	4.7	20.7
3 22	12 9.01	− 2 34.5	1.865	2.861	0.7	20.5
4 1	12 1.73	− 1 37.1	1.882	2.870	3.6	20.7
4 11	11 55.28	− 0 44.2	1.927	2.880	7.5	21.0
4 21	11 50.34	− 0 0.7	1.996	2.890	11.0	21.2
5 1	11 47.34	+ 0 30.0	2.088	2.900	13.9	21.4

32435 2000 RZ_{96} 3 22.8 301.°14 5.°3/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 23.55	−30 21.1	4.300	4.974	9.0	18.5
3 2	12 19.45	−30 37.2	4.196	4.965	7.9	18.4
3 12	12 14.45	−30 39.1	4.115	4.956	6.7	18.3
3 22	12 8.90	−30 26.5	4.057	4.947	5.8	18.2
4 1	12 3.23	−30 0.1	4.027	4.937	5.3	18.1
4 11	11 57.91	−29 22.0	4.023	4.928	5.5	18.1
4 21	11 53.32	−28 35.3	4.047	4.919	6.4	18.2
5 1	11 49.80	−27 43.5	4.095	4.910	7.6	18.3

172159 2002 NJ_{30} 3 22.8 321.°99 5.°6/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.76	+ 8 7.5	1.259	2.155	14.6	19.2
3 2	12 24.50	+ 9 26.4	1.191	2.138	10.4	18.9
3 12	12 17.65	+10 50.6	1.145	2.122	6.6	18.6
3 22	12 9.14	+12 8.9	1.123	2.106	6.0	18.5
4 1	12 0.32	+13 9.6	1.126	2.091	9.6	18.7
4 11	11 52.65	+13 44.0	1.151	2.077	14.3	18.9
4 21	11 47.26	+13 49.1	1.196	2.064	18.6	19.1
5 1	11 44.86	+13 25.4	1.257	2.051	22.3	19.3

119461 2001 TA_{202} 3 22.8 178.°39 3.°9/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.39	+ 6 41.8	1.782	2.656	12.2	20.3
3 2	12 27.02	+ 7 57.0	1.720	2.658	8.6	20.1
3 12	12 18.68	+ 9 16.0	1.684	2.659	5.1	19.9
3 22	12 9.21	+10 30.4	1.676	2.660	4.2	19.8
4 1	11 59.67	+11 32.3	1.696	2.660	7.1	20.0
4 11	11 51.15	+12 15.5	1.744	2.660	10.8	20.2
4 21	11 44.47	+12 37.6	1.814	2.658	14.3	20.4
5 1	11 40.16	+12 38.3	1.904	2.656	17.2	20.6

346208 2007 XL_{58} 3 22.8 286.°53 2.°6/25.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.23	−10 21.4	2.276	3.101	11.8	20.8
3 2	12 23.89	−10 23.3	2.191	3.097	8.9	20.6
3 12	12 16.97	−10 11.5	2.132	3.092	5.7	20.4
3 22	12 9.09	− 9 47.7	2.099	3.087	3.0	20.2
4 1	12 1.05	− 9 15.1	2.096	3.083	3.6	20.2
4 11	11 53.68	− 8 38.7	2.121	3.078	6.7	20.4
4 21	11 47.67	− 8 3.3	2.173	3.073	9.9	20.6
5 1	11 43.52	− 7 33.3	2.247	3.069	12.8	20.7

399351 2000 SK_{297} 3 22.8 134.°66 2.°1/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.73	− 9 45.6	1.858	2.690	13.7	21.7
3 2	12 26.45	− 9 12.5	1.793	2.705	10.1	21.5
3 12	12 18.33	− 8 21.8	1.752	2.718	6.1	21.3
3 22	12 9.19	− 7 17.6	1.739	2.731	2.5	21.1
4 1	12 0.04	− 6 6.2	1.754	2.743	3.8	21.2
4 11	11 51.90	− 4 55.5	1.799	2.754	7.8	21.4
4 21	11 45.53	− 3 52.0	1.868	2.765	11.5	21.7
5 1	11 41.42	− 3 0.9	1.961	2.775	14.6	21.9

203909 2003 HK_{51} 3 22.8 317.°30 1.°6/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.19	− 1 22.1	1.257	2.141	15.6	19.9
3 2	12 24.06	− 0 12.8	1.187	2.130	11.0	19.6
3 12	12 17.40	+ 1 14.1	1.138	2.120	5.7	19.3
3 22	12 9.13	+ 2 49.7	1.114	2.109	1.7	19.0
4 1	12 0.59	+ 4 22.2	1.115	2.100	6.5	19.2
4 11	11 53.19	+ 5 39.9	1.141	2.091	11.9	19.5
4 21	11 48.03	+ 6 34.9	1.188	2.082	16.8	19.8
5 1	11 45.79	+ 7 3.6	1.252	2.074	20.8	20.0

285675 2000 SX_{134} 3 22.8 157.°70 3.°2/27.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.15	−14 57.2	2.652	3.452	11.0	20.6
3 2	12 22.22	−14 38.9	2.570	3.456	8.6	20.4
3 12	12 15.99	−14 4.9	2.513	3.459	5.9	20.3
3 22	12 9.02	−13 17.2	2.484	3.463	3.6	20.1
4 1	12 1.98	−12 19.3	2.484	3.466	3.6	20.1
4 11	11 55.55	−11 16.3	2.513	3.469	5.9	20.3
4 21	11 50.28	−10 13.4	2.570	3.471	8.5	20.4
5 1	11 46.59	− 9 15.6	2.651	3.474	11.0	20.6

433613 2013 YV_{94} 3 22.8 14.°65 1.°1/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.01	+ 0 12.8	1.923	2.792	11.7	21.1
3 2	12 23.13	+ 0 49.2	1.857	2.794	8.2	20.8
3 12	12 16.57	+ 1 33.9	1.817	2.796	4.2	20.6
3 22	12 9.07	+ 2 21.5	1.804	2.799	1.1	20.4
4 1	12 1.50	+ 3 6.2	1.819	2.802	4.5	20.6
4 11	11 54.78	+ 3 42.3	1.861	2.805	8.4	20.9
4 21	11 49.61	+ 4 6.2	1.927	2.809	11.9	21.1
5 1	11 46.46	+ 4 15.6	2.015	2.813	14.8	21.3

96847 1999 RS_{211} 3 22.8 148.°99 2.°8/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.48	−12 31.8	2.501	3.310	11.3	20.2
3 2	12 24.57	−12 20.5	2.425	3.320	8.6	20.0
3 12	12 17.24	−11 54.6	2.375	3.329	5.7	19.8
3 22	12 9.12	−11 16.1	2.353	3.337	3.2	19.7
4 1	12 0.94	−10 28.6	2.361	3.345	3.5	19.7
4 11	11 53.46	− 9 37.3	2.398	3.353	6.2	19.9
4 21	11 47.28	− 8 47.1	2.463	3.360	9.1	20.1
5 1	11 42.85	− 8 2.6	2.552	3.366	11.6	20.3

58248 1993 PO_5 3 22.8 247.°83 2.°3/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.76	−10 49.4	2.670	3.489	10.4	20.2
3 2	12 22.71	−10 37.4	2.575	3.477	7.9	20.0
3 12	12 16.30	−10 12.6	2.506	3.465	5.1	19.8
3 22	12 9.06	− 9 36.7	2.465	3.452	2.6	19.6
4 1	12 1.64	− 8 53.0	2.453	3.440	3.2	19.6
4 11	11 54.76	− 8 6.1	2.471	3.427	6.0	19.8
4 21	11 49.00	− 7 20.4	2.516	3.413	8.9	20.0
5 1	11 44.82	− 6 40.2	2.585	3.400	11.5	20.1

64235 2001 TW_{127} 3 22.8 96.°02 4.°0/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.75	+ 5 56.7	1.402	2.285	14.3	19.3
3 2	12 27.51	+ 7 2.9	1.355	2.297	10.0	19.1
3 12	12 18.99	+ 8 12.9	1.331	2.310	5.7	18.9
3 22	12 9.25	+ 9 17.5	1.334	2.322	4.3	18.8
4 1	11 59.60	+10 7.9	1.363	2.334	7.6	19.1
4 11	11 51.32	+10 37.7	1.417	2.345	11.9	19.3
4 21	11 45.29	+10 45.1	1.493	2.357	15.7	19.6
5 1	11 42.00	+10 30.6	1.587	2.368	18.9	19.8

245503 2005 QL_{167} 3 22.8 251.°41 2.°7/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 26.37	−14 25.7	2.670	3.474	10.9	21.3
3 2	12 21.76	−13 44.4	2.567	3.457	8.4	21.1
3 12	12 15.81	−12 45.9	2.490	3.441	5.6	20.9
3 22	12 9.03	−11 32.7	2.440	3.424	3.2	20.7
4 1	12 2.09	−10 8.8	2.421	3.407	3.3	20.7
4 11	11 55.66	− 8 40.4	2.432	3.389	6.0	20.8
4 21	11 50.35	− 7 13.5	2.471	3.371	8.9	21.0
5 1	11 46.60	− 5 53.8	2.535	3.353	11.6	21.2

80015 1999 GT_{21} 3 22.8 326.°18 6.°1/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.16	+14 48.6	1.900	2.781	11.2	18.4
3 2	12 24.03	+15 52.5	1.838	2.772	8.4	18.2
3 12	12 17.10	+16 52.1	1.801	2.763	6.4	18.1
3 22	12 9.13	+17 39.9	1.791	2.754	6.5	18.1
4 1	12 1.06	+18 9.4	1.807	2.746	8.8	18.2
4 11	11 53.88	+18 16.9	1.849	2.738	11.8	18.3
4 21	11 48.35	+18 1.9	1.912	2.731	14.6	18.5
5 1	11 44.97	+17 25.9	1.993	2.724	17.1	18.7

283013 2007 VA_{50} 3 22.8 159.°18 3.°3/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.13	−13 44.0	2.292	3.104	12.2	21.1
3 2	12 23.09	−13 31.6	2.212	3.106	9.4	20.9
3 12	12 16.53	−13 2.3	2.155	3.107	6.3	20.7
3 22	12 9.09	−12 18.2	2.126	3.108	3.7	20.6
4 1	12 1.53	−11 23.2	2.125	3.109	3.9	20.6
4 11	11 54.68	−10 23.0	2.153	3.110	6.6	20.7
4 21	11 49.17	− 9 23.5	2.208	3.111	9.6	20.9
5 1	11 45.48	− 8 30.0	2.286	3.112	12.4	21.1

17445 Avatcha 3 22.8 196.°59 4.°2/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.03	−19 38.9	3.227	3.986	10.1	18.8
3 2	12 23.44	−19 47.7	3.131	3.983	8.2	18.7
3 12	12 16.63	−19 41.9	3.061	3.979	6.2	18.5
3 22	12 9.10	−19 21.9	3.018	3.975	4.6	18.4
4 1	12 1.43	−18 49.6	3.005	3.970	4.3	18.4
4 11	11 54.24	−18 8.2	3.021	3.964	5.6	18.4
4 21	11 48.05	−17 21.9	3.066	3.958	7.6	18.6
5 1	11 43.28	−16 35.1	3.135	3.952	9.6	18.7

207952 1994 GT_4 3 22.8 208.°06 1.°2/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.33	+ 1 51.3	2.431	3.291	9.9	20.8
3 2	12 24.51	+ 2 14.9	2.355	3.287	6.9	20.6
3 12	12 17.25	+ 2 43.5	2.306	3.284	3.6	20.3
3 22	12 9.15	+ 3 13.3	2.286	3.280	1.2	20.1
4 1	12 0.95	+ 3 40.1	2.296	3.276	4.0	20.3
4 11	11 53.44	+ 4 0.1	2.334	3.272	7.3	20.5
4 21	11 47.21	+ 4 10.5	2.399	3.268	10.4	20.7
5 1	11 42.74	+ 4 9.7	2.486	3.263	12.9	20.9

151154 2001 XD_{89} 3 22.8 20.°50 6.°4/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.23	−20 22.7	1.748	2.540	16.2	19.7
3 2	12 24.33	−20 26.9	1.669	2.541	13.2	19.5
3 12	12 17.37	−20 4.3	1.612	2.541	10.0	19.3
3 22	12 9.16	−19 15.4	1.578	2.542	7.2	19.1
4 1	12 0.76	−18 4.2	1.571	2.543	6.6	19.1
4 11	11 53.31	−16 38.5	1.589	2.545	8.6	19.2
4 21	11 47.68	−15 8.1	1.633	2.546	11.8	19.4
5 1	11 44.46	−13 42.0	1.699	2.547	15.0	19.6

163415 2002 RW_{34} 3 22.8 161.°19 1.°0/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.91	+ 0 26.0	2.575	3.432	9.5	21.1
3 2	12 23.42	+ 1 6.9	2.506	3.437	6.6	20.9
3 12	12 16.62	+ 1 53.9	2.464	3.442	3.4	20.7
3 22	12 9.11	+ 2 42.9	2.452	3.447	1.0	20.5
4 1	12 1.56	+ 3 29.3	2.470	3.451	3.7	20.7
4 11	11 54.66	+ 4 8.8	2.517	3.455	6.9	20.9
4 21	11 48.97	+ 4 38.3	2.591	3.458	9.7	21.1
5 1	11 44.89	+ 4 55.9	2.687	3.461	12.2	21.3

154014 2002 BC_{28} 3 22.8 2.°67 0.°8/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 26.68	− 6 55.5	1.609	2.468	14.1	19.4
3 2	12 22.50	− 5 57.9	1.539	2.467	10.2	19.2
3 12	12 16.37	− 4 41.3	1.492	2.467	5.7	18.9
3 22	12 9.09	− 3 12.1	1.472	2.468	1.1	18.6
4 1	12 1.70	− 1 38.8	1.479	2.468	4.2	18.8
4 11	11 55.26	− 0 11.3	1.513	2.469	8.9	19.1
4 21	11 50.60	+ 1 2.8	1.571	2.471	13.0	19.3
5 1	11 48.25	+ 1 58.1	1.649	2.472	16.5	19.5

341260 2007 RA_{234} 3 22.8 73.°70 2.°2/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.76	− 8 1.0	2.115	2.945	12.3	20.3
3 2	12 26.96	− 8 15.7	2.056	2.966	9.1	20.1
3 12	12 18.54	− 8 18.1	2.023	2.987	5.6	20.0
3 22	12 9.25	− 8 10.0	2.018	3.008	2.5	19.8
4 1	12 0.00	− 7 54.9	2.042	3.029	3.6	19.9
4 11	11 51.69	− 7 37.0	2.095	3.050	6.9	20.1
4 21	11 44.99	− 7 20.7	2.175	3.070	10.1	20.4
5 1	11 40.35	− 7 9.5	2.278	3.091	12.9	20.6

119379 2001 SS_{323} 3 22.8 79.°94 4.°6/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.30	−17 11.2	1.767	2.573	15.4	19.9
3 2	12 24.80	−16 43.1	1.709	2.596	12.0	19.8
3 12	12 17.47	−15 50.3	1.674	2.619	8.4	19.6
3 22	12 9.18	−14 36.3	1.664	2.642	5.2	19.4
4 1	12 0.95	−13 7.5	1.682	2.664	5.0	19.5
4 11	11 53.82	−11 33.1	1.727	2.686	7.7	19.7
4 21	11 48.50	−10 2.1	1.799	2.708	11.1	19.9
5 1	11 45.44	− 8 41.6	1.893	2.730	14.2	20.2

45900 2000 YG_{10} 3 22.8 120.°71 16.°9/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 41.46	−35 56.4	1.300	2.005	24.8	18.1
3 2	12 34.29	−38 0.3	1.238	2.014	22.5	18.0
3 12	12 23.29	−39 23.0	1.191	2.023	20.1	17.8
3 22	12 9.63	−39 54.8	1.161	2.032	18.1	17.7
4 1	11 55.32	−39 31.4	1.149	2.041	17.0	17.7
4 11	11 42.65	−38 18.7	1.157	2.048	17.1	17.7
4 21	11 33.34	−36 30.7	1.185	2.056	18.5	17.8
5 1	11 28.34	−34 25.0	1.230	2.063	20.5	17.9

436747 2011 WJ_{45} 3 22.8 149.°90 22.°0/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 50.27	+47 58.2	1.181	1.973	22.3	20.5
3 2	12 40.33	+50 12.0	1.178	1.979	22.0	20.5
3 12	12 26.06	+51 34.4	1.190	1.984	22.5	20.5
3 22	12 9.78	+51 53.6	1.218	1.988	23.4	20.6
4 1	11 54.38	+51 7.5	1.259	1.992	24.8	20.7
4 11	11 42.28	+49 24.1	1.312	1.996	26.2	20.9
4 21	11 34.61	+46 56.4	1.375	1.998	27.5	21.0
5 1	11 31.50	+43 57.4	1.447	2.001	28.6	21.2

479524 2014 BQ_{30} 3 22.8 64.°78 4.°5/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.08	−16 23.2	2.223	3.021	12.9	21.0
3 2	12 23.81	−16 31.8	2.147	3.028	10.2	20.8
3 12	12 16.95	−16 22.2	2.094	3.034	7.3	20.6
3 22	12 9.16	−15 55.4	2.068	3.040	5.0	20.5
4 1	12 1.27	−15 14.5	2.070	3.047	4.8	20.5
4 11	11 54.12	−14 24.9	2.099	3.054	6.9	20.6
4 21	11 48.41	−13 32.6	2.155	3.060	9.8	20.8
5 1	11 44.62	−12 43.2	2.234	3.067	12.4	21.0

423513 2005 UZ_{51} 3 22.8 178.°68 0.°8/23.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.48	− 5 28.7	2.366	3.204	10.9	22.6
3 2	12 25.37	− 5 3.4	2.287	3.206	7.9	22.4
3 12	12 17.73	− 4 27.2	2.236	3.207	4.4	22.2
3 22	12 9.22	− 3 43.4	2.213	3.208	1.0	21.9
4 1	12 0.61	− 2 56.5	2.220	3.208	3.2	22.1
4 11	11 52.72	− 2 11.6	2.258	3.208	6.8	22.3
4 21	11 46.19	− 1 33.1	2.322	3.206	10.0	22.5
5 1	11 41.49	− 1 4.3	2.409	3.204	12.8	22.7

211989 2005 AO_{58} 3 22.8 38.°06 1.°8/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.99	+ 0 14.5	1.109	1.998	16.8	20.4
3 2	12 25.89	+ 1 0.3	1.069	2.015	11.6	20.2
3 12	12 18.24	+ 1 57.9	1.051	2.033	6.0	19.9
3 22	12 9.25	+ 2 58.3	1.056	2.051	1.8	19.7
4 1	12 0.45	+ 3 51.3	1.086	2.071	6.4	20.0
4 11	11 53.24	+ 4 28.6	1.139	2.091	11.6	20.4
4 21	11 48.56	+ 4 45.9	1.213	2.112	16.1	20.7
5 1	11 46.84	+ 4 42.2	1.305	2.133	19.8	21.0

336269 2008 SP_{191} 3 22.8 284.°40 2.°5/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.13	+ 4 15.3	1.922	2.795	11.5	21.0
3 2	12 24.67	+ 4 58.3	1.854	2.793	8.0	20.7
3 12	12 17.45	+ 5 46.1	1.812	2.791	4.3	20.5
3 22	12 9.21	+ 6 32.9	1.797	2.789	2.6	20.4
4 1	12 0.88	+ 7 12.5	1.811	2.787	5.5	20.6
4 11	11 53.42	+ 7 39.8	1.852	2.785	9.3	20.8
4 21	11 47.56	+ 7 51.9	1.917	2.783	12.7	21.0
5 1	11 43.82	+ 7 47.8	2.003	2.781	15.6	21.2

147654 2004 JM_{35} 3 22.8 345.°98 6.°0/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.65	+ 9 17.1	1.227	2.126	14.6	18.2
3 2	12 23.68	+10 30.9	1.168	2.116	10.5	17.9
3 12	12 17.20	+11 46.9	1.131	2.107	6.8	17.7
3 22	12 9.20	+12 54.0	1.118	2.099	6.4	17.6
4 1	12 1.02	+13 41.4	1.129	2.093	9.8	17.8
4 11	11 54.08	+14 2.0	1.162	2.087	14.2	18.0
4 21	11 49.43	+13 53.8	1.214	2.083	18.3	18.3
5 1	11 47.67	+13 18.4	1.283	2.080	21.7	18.5

414795 2010 RU_{151} 3 22.8 237.°96 0.°3/22.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.75	− 3 18.8	1.819	2.677	12.8	22.1
3 2	12 25.31	− 2 26.9	1.735	2.665	9.1	21.8
3 12	12 17.90	− 1 21.0	1.676	2.653	4.9	21.6
3 22	12 9.25	− 0 6.5	1.645	2.641	0.4	21.2
4 1	12 0.36	+ 1 9.1	1.642	2.628	4.5	21.5
4 11	11 52.28	+ 2 17.8	1.667	2.614	9.0	21.7
4 21	11 45.89	+ 3 13.4	1.717	2.600	13.0	21.9
5 1	11 41.78	+ 3 51.8	1.787	2.586	16.4	22.1

72363 2001 BQ_{79} 3 22.8 150.°03 0.°8/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.07	− 1 42.1	1.925	2.783	12.2	20.1
3 2	12 25.97	− 0 50.2	1.861	2.792	8.5	19.9
3 12	12 18.11	+ 0 12.1	1.823	2.801	4.4	19.6
3 22	12 9.26	+ 1 19.1	1.813	2.809	0.8	19.4
4 1	12 0.40	+ 2 23.8	1.832	2.816	4.4	19.7
4 11	11 52.47	+ 3 19.8	1.880	2.823	8.4	19.9
4 21	11 46.21	+ 4 2.5	1.952	2.829	12.0	20.1
5 1	11 42.10	+ 4 29.2	2.047	2.834	15.0	20.4

173693 2001 PY_{37} 3 22.8 146.°61 4.°3/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.11	+13 18.7	2.680	3.550	8.7	20.8
3 2	12 23.51	+14 19.5	2.629	3.559	6.4	20.6
3 12	12 16.66	+15 17.4	2.605	3.568	4.6	20.5
3 22	12 9.16	+16 7.1	2.610	3.576	4.6	20.6
4 1	12 1.67	+16 44.1	2.645	3.584	6.4	20.7
4 11	11 54.87	+17 5.8	2.707	3.591	8.7	20.8
4 21	11 49.28	+17 11.1	2.794	3.598	10.9	21.0
5 1	11 45.28	+17 0.7	2.901	3.604	12.8	21.2

330673 2008 GM_{137} 3 22.8 147.°05 3.°7/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.35	+ 6 58.9	1.816	2.692	11.9	21.2
3 2	12 25.56	+ 7 58.5	1.756	2.696	8.3	21.0
3 12	12 17.93	+ 9 0.7	1.723	2.699	4.9	20.8
3 22	12 9.25	+ 9 58.3	1.717	2.702	3.9	20.7
4 1	12 0.55	+10 44.3	1.739	2.705	6.7	20.9
4 11	11 52.83	+11 13.5	1.787	2.708	10.3	21.1
4 21	11 46.85	+11 23.8	1.859	2.710	13.7	21.3
5 1	11 43.11	+11 15.1	1.950	2.713	16.5	21.5

4522 Britastra 3 22.8 177.°37 4.°0/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.53	+ 9 25.6	2.342	3.215	9.7	17.2
3 2	12 24.00	+10 45.6	2.281	3.217	6.9	17.0
3 12	12 17.00	+12 6.4	2.248	3.219	4.5	16.9
3 22	12 9.19	+13 21.2	2.244	3.220	4.3	16.9
4 1	12 1.32	+14 23.9	2.269	3.220	6.5	17.0
4 11	11 54.19	+15 9.9	2.322	3.220	9.3	17.2
4 21	11 48.41	+15 37.3	2.399	3.219	12.0	17.4
5 1	11 44.41	+15 45.9	2.497	3.218	14.3	17.5

375956 2009 WP_{175} 3 22.8 145.°27 4.°6/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.80	+11 17.4	1.959	2.832	11.3	21.1
3 2	12 27.16	+11 57.5	1.901	2.836	8.1	20.9
3 12	12 18.73	+12 35.2	1.869	2.839	5.3	20.8
3 22	12 9.32	+13 4.4	1.865	2.842	4.8	20.7
4 1	11 59.92	+13 19.7	1.889	2.846	7.1	20.9
4 11	11 51.52	+13 18.1	1.940	2.849	10.3	21.1
4 21	11 44.84	+12 58.9	2.015	2.851	13.3	21.3
5 1	11 40.38	+12 23.3	2.109	2.854	15.9	21.5

297860 2002 CY_{55} 3 22.8 64.°73 2.°7/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 36.02	− 8 16.3	1.297	2.149	17.3	19.6
3 2	12 29.21	− 8 19.8	1.251	2.173	12.7	19.4
3 12	12 19.95	− 8 3.5	1.228	2.197	7.6	19.2
3 22	12 9.41	− 7 31.2	1.229	2.222	3.1	19.0
4 1	11 59.05	− 6 49.8	1.257	2.246	4.9	19.2
4 11	11 50.26	− 6 7.7	1.310	2.270	9.5	19.5
4 21	11 43.96	− 5 32.1	1.386	2.294	13.9	19.8
5 1	11 40.61	− 5 8.2	1.482	2.318	17.4	20.1

214175 2005 CJ_{63} 3 22.8 60.°64 1.°7/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.67	− 7 59.0	1.402	2.259	15.9	20.5
3 2	12 25.47	− 7 26.2	1.343	2.269	11.6	20.2
3 12	12 18.01	− 6 33.1	1.307	2.280	6.8	20.0
3 22	12 9.28	− 5 25.3	1.296	2.290	2.1	19.7
4 1	12 0.52	− 4 11.2	1.311	2.301	4.5	19.9
4 11	11 53.00	− 3 0.4	1.352	2.312	9.3	20.2
4 21	11 47.61	− 2 1.0	1.417	2.323	13.7	20.5
5 1	11 44.90	− 1 18.3	1.501	2.335	17.4	20.7

269097 2007 HV_{65} 3 22.8 278.°69 3.°0/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.39	+ 5 20.6	1.848	2.723	11.8	20.2
3 2	12 25.00	+ 6 9.7	1.773	2.712	8.2	20.0
3 12	12 17.71	+ 7 3.6	1.723	2.701	4.6	19.7
3 22	12 9.27	+ 7 55.7	1.701	2.690	3.2	19.6
4 1	12 0.64	+ 8 39.2	1.706	2.679	6.2	19.8
4 11	11 52.86	+ 9 8.6	1.739	2.668	10.0	20.0
4 21	11 46.75	+ 9 20.7	1.795	2.656	13.6	20.2
5 1	11 42.85	+ 9 14.6	1.870	2.645	16.6	20.4

25416 Chyanwen 3 22.8 0.°12 1.°9/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.90	− 8 18.2	1.499	2.352	15.3	18.7
3 2	12 24.95	− 7 50.2	1.428	2.351	11.3	18.4
3 12	12 17.78	− 7 2.3	1.380	2.351	6.7	18.2
3 22	12 9.27	− 5 59.0	1.357	2.351	2.3	17.9
4 1	12 0.61	− 4 47.7	1.361	2.351	4.4	18.0
4 11	11 53.01	− 3 37.7	1.391	2.352	9.1	18.3
4 21	11 47.41	− 2 37.0	1.445	2.352	13.5	18.5
5 1	11 44.40	− 1 51.6	1.519	2.353	17.2	18.8

57665 2001 UL_{24} 3 22.8 181.°18 3.°1/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.06	−13 21.3	2.560	3.367	11.2	19.7
3 2	12 23.65	−13 18.2	2.476	3.367	8.6	19.5
3 12	12 16.84	−13 0.6	2.417	3.367	5.8	19.3
3 22	12 9.21	−12 30.0	2.386	3.367	3.5	19.2
4 1	12 1.45	−11 49.5	2.384	3.367	3.7	19.2
4 11	11 54.31	−11 3.6	2.412	3.367	6.1	19.3
4 21	11 48.41	−10 17.4	2.466	3.366	8.9	19.5
5 1	11 44.18	− 9 35.2	2.545	3.365	11.5	19.7

332360 2007 EA_{45} 3 22.8 241.°16 6.°8/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 48.75	− 9 52.7	1.130	1.968	20.3	20.4
3 2	12 39.53	−11 41.1	1.054	1.962	15.8	20.1
3 12	12 26.20	−13 15.0	0.998	1.956	10.9	19.8
3 22	12 9.95	−14 28.2	0.967	1.949	7.1	19.6
4 1	11 52.81	−15 17.5	0.963	1.942	8.3	19.6
4 11	11 37.20	−15 45.5	0.984	1.935	13.1	19.9
4 21	11 24.98	−15 59.7	1.027	1.928	18.2	20.1
5 1	11 17.21	−16 9.5	1.088	1.920	22.6	20.4

174011 2001 YT_{15} 3 22.8 179.°12 4.°4/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.63	+15 16.1	2.979	3.846	8.0	20.9
3 2	12 23.13	+16 15.2	2.921	3.848	6.0	20.7
3 12	12 16.48	+17 10.6	2.892	3.849	4.6	20.6
3 22	12 9.19	+17 57.6	2.892	3.849	4.7	20.6
4 1	12 1.87	+18 32.2	2.921	3.849	6.3	20.7
4 11	11 55.15	+18 51.8	2.978	3.849	8.4	20.9
4 21	11 49.52	+18 55.7	3.059	3.848	10.4	21.0
5 1	11 45.35	+18 44.3	3.160	3.846	12.1	21.2

83610 2001 SZ_{274} 3 22.8 241.°40 0.°4/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.02	− 4 16.9	2.268	3.118	10.9	20.7
3 2	12 23.04	− 3 45.6	2.189	3.114	7.8	20.5
3 12	12 16.56	− 3 3.5	2.136	3.111	4.3	20.3
3 22	12 9.20	− 2 14.5	2.111	3.107	0.6	20.0
4 1	12 1.73	− 1 23.5	2.115	3.103	3.4	20.2
4 11	11 54.93	− 0 35.9	2.148	3.099	7.0	20.4
4 21	11 49.45	+ 0 3.8	2.207	3.095	10.3	20.6
5 1	11 45.76	+ 0 32.3	2.288	3.090	13.2	20.8

408989 2002 TW_{141} 3 22.8 123.°97 8.°0/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.05	+22 38.2	2.031	2.888	11.7	22.0
3 2	12 29.99	+23 39.2	1.997	2.905	9.4	21.8
3 12	12 20.14	+24 27.0	1.989	2.922	8.1	21.8
3 22	12 9.46	+24 54.9	2.008	2.939	8.4	21.8
4 1	11 59.01	+24 58.6	2.055	2.955	10.1	22.0
4 11	11 49.80	+24 37.3	2.127	2.970	12.4	22.1
4 21	11 42.54	+23 53.6	2.220	2.984	14.6	22.3
5 1	11 37.62	+22 51.4	2.332	2.998	16.4	22.5

244013 2001 SY_{114} 3 22.8 181.°43 1.°6/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.91	+ 3 20.6	2.610	3.470	9.3	20.7
3 2	12 24.15	+ 3 50.4	2.538	3.471	6.4	20.5
3 12	12 17.07	+ 4 23.9	2.493	3.471	3.4	20.3
3 22	12 9.24	+ 4 57.3	2.478	3.471	1.6	20.2
4 1	12 1.35	+ 5 26.5	2.493	3.471	4.1	20.4
4 11	11 54.11	+ 5 47.9	2.538	3.470	7.1	20.5
4 21	11 48.08	+ 5 59.2	2.608	3.469	9.9	20.7
5 1	11 43.68	+ 5 59.1	2.702	3.467	12.3	20.9

372953 2011 BJ_{86} 3 22.8 357.°09 2.°8/20.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.99	+ 3 20.6	1.605	2.485	12.9	21.2
3 2	12 24.14	+ 4 22.9	1.542	2.484	9.0	20.9
3 12	12 17.28	+ 5 32.7	1.504	2.484	4.9	20.7
3 22	12 9.26	+ 6 42.2	1.492	2.483	3.0	20.5
4 1	12 1.14	+ 7 43.0	1.507	2.483	6.3	20.8
4 11	11 54.04	+ 8 28.2	1.548	2.483	10.5	21.0
4 21	11 48.77	+ 8 53.8	1.611	2.483	14.4	21.2
5 1	11 45.88	+ 8 58.6	1.694	2.484	17.5	21.4

186184 2001 VT 3 22.8 115.°49 6.°3/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.84	+17 57.5	2.151	3.015	10.8	20.8
3 2	12 28.33	+18 57.3	2.116	3.038	8.3	20.7
3 12	12 19.24	+19 48.6	2.109	3.059	6.5	20.6
3 22	12 9.40	+20 24.9	2.129	3.080	6.7	20.7
4 1	11 59.76	+20 41.8	2.178	3.100	8.5	20.8
4 11	11 51.21	+20 37.7	2.253	3.120	10.9	21.0
4 21	11 44.40	+20 13.6	2.352	3.139	13.2	21.2
5 1	11 39.71	+19 32.2	2.469	3.157	15.2	21.4

219754 2001 YD_{26} 3 22.8 189.°38 5.°8/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.85	+16 56.1	2.373	3.239	9.9	21.5
3 2	12 26.34	+18 3.0	2.315	3.238	7.5	21.3
3 12	12 18.27	+19 4.3	2.284	3.236	6.0	21.2
3 22	12 9.34	+19 53.5	2.282	3.234	6.2	21.2
4 1	12 0.37	+20 25.5	2.308	3.231	8.1	21.3
4 11	11 52.20	+20 37.5	2.361	3.227	10.5	21.5
4 21	11 45.51	+20 29.2	2.437	3.222	12.9	21.6
5 1	11 40.72	+20 2.3	2.533	3.217	14.9	21.8

345543 2006 QT_{112} 3 22.8 148.°83 4.°0/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.96	−18 44.5	3.118	3.884	10.3	21.9
3 2	12 24.08	−18 51.5	3.037	3.894	8.3	21.7
3 12	12 17.00	−18 43.8	2.981	3.904	6.2	21.6
3 22	12 9.24	−18 22.2	2.953	3.914	4.5	21.5
4 1	12 1.42	−17 48.8	2.955	3.923	4.2	21.5
4 11	11 54.15	−17 7.2	2.986	3.932	5.6	21.6
4 21	11 47.95	−16 21.6	3.046	3.939	7.6	21.7
5 1	11 43.22	−15 36.4	3.131	3.947	9.6	21.9

145643 4064 P–L 3 22.8 227.°03 0.°7/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.76	− 5 11.5	2.623	3.463	9.9	20.8
3 2	12 23.43	− 4 45.8	2.533	3.453	7.2	20.6
3 12	12 16.75	− 4 10.2	2.470	3.442	4.0	20.4
3 22	12 9.23	− 3 27.6	2.436	3.432	0.9	20.2
4 1	12 1.57	− 2 42.0	2.433	3.420	3.0	20.3
4 11	11 54.46	− 1 58.0	2.458	3.409	6.3	20.5
4 21	11 48.51	− 1 19.7	2.511	3.397	9.3	20.7
5 1	11 44.16	− 0 50.3	2.588	3.384	12.0	20.8

272452 2005 UO_{34} 3 22.8 91.°63 2.°3/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.81	−10 13.5	1.832	2.668	13.7	20.9
3 2	12 24.48	− 9 41.8	1.768	2.681	10.2	20.7
3 12	12 17.37	− 8 52.1	1.728	2.693	6.2	20.5
3 22	12 9.27	− 7 48.4	1.715	2.706	2.7	20.3
4 1	12 1.17	− 6 37.1	1.730	2.719	3.8	20.4
4 11	11 54.02	− 5 25.9	1.773	2.731	7.6	20.7
4 21	11 48.56	− 4 21.7	1.841	2.743	11.3	20.9
5 1	11 45.27	− 3 29.6	1.931	2.755	14.4	21.1

196826 2003 SJ_{236} 3 22.8 201.°59 0.°5/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.22	− 5 26.1	2.118	2.967	11.6	21.0
3 2	12 23.26	− 4 41.1	2.041	2.966	8.3	20.8
3 12	12 16.71	− 3 43.0	1.989	2.964	4.6	20.6
3 22	12 9.23	− 2 36.5	1.966	2.962	0.7	20.3
4 1	12 1.64	− 1 27.3	1.972	2.960	3.5	20.5
4 11	11 54.79	− 0 22.2	2.006	2.957	7.4	20.7
4 21	11 49.35	+ 0 33.6	2.066	2.955	10.9	20.9
5 1	11 45.82	+ 1 16.0	2.148	2.952	13.9	21.1

38320 1999 RT_{120} 3 22.8 194.°07 0.°5/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 26.07	− 1 52.3	2.966	3.817	8.6	20.1
3 2	12 21.38	− 0 58.5	2.887	3.815	6.0	19.9
3 12	12 15.59	+ 0 2.7	2.835	3.812	3.1	19.7
3 22	12 9.16	+ 1 7.7	2.813	3.809	0.5	19.5
4 1	12 2.65	+ 2 11.8	2.823	3.806	3.1	19.7
4 11	11 56.65	+ 3 10.7	2.862	3.802	6.0	19.9
4 21	11 51.64	+ 4 0.7	2.928	3.798	8.7	20.0
5 1	11 47.98	+ 4 39.4	3.018	3.793	10.9	20.2

495420 2014 SM_{154} 3 22.8 292.°48 1.°6/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.81	− 6 58.1	1.417	2.276	15.7	21.0
3 2	12 25.91	− 6 36.7	1.332	2.260	11.6	20.7
3 12	12 18.49	− 5 55.5	1.269	2.243	6.8	20.4
3 22	12 9.39	− 4 58.4	1.231	2.226	2.0	20.0
4 1	11 59.86	− 3 52.5	1.219	2.209	4.8	20.2
4 11	11 51.29	− 2 47.4	1.233	2.193	10.0	20.4
4 21	11 44.83	− 1 51.8	1.269	2.177	14.9	20.6
5 1	11 41.23	− 1 12.1	1.325	2.161	19.2	20.9

381591 2008 UW_{343} 3 22.8 157.°10 3.°4/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.40	−14 18.1	2.330	3.136	12.2	21.3
3 2	12 23.99	−14 5.8	2.250	3.140	9.4	21.2
3 12	12 17.08	−13 36.5	2.196	3.145	6.4	21.0
3 22	12 9.28	−12 52.2	2.168	3.149	3.9	20.8
4 1	12 1.38	−11 56.7	2.169	3.152	3.9	20.8
4 11	11 54.19	−10 55.6	2.199	3.156	6.5	21.0
4 21	11 48.37	− 9 55.0	2.256	3.158	9.5	21.2
5 1	11 44.38	− 9 0.0	2.337	3.161	12.3	21.4

96151 4239 T-3 3 22.8 175.°07 1.°2/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.74	− 0 22.0	2.132	2.994	11.0	20.4
3 2	12 23.58	+ 0 39.1	2.061	2.995	7.7	20.2
3 12	12 16.87	+ 1 49.2	2.018	2.997	4.0	20.0
3 22	12 9.26	+ 3 2.7	2.003	2.998	1.3	19.8
4 1	12 1.58	+ 4 12.9	2.017	2.998	4.4	20.0
4 11	11 54.65	+ 5 13.7	2.060	2.998	8.1	20.2
4 21	11 49.15	+ 6 0.7	2.128	2.998	11.4	20.4
5 1	11 45.53	+ 6 31.5	2.218	2.998	14.2	20.6

285136 1995 SR_{76} 3 22.8 328.°40 0.°3/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 25.12	− 4 49.5	2.094	2.950	11.4	20.5
3 2	12 21.11	− 3 28.2	2.016	2.946	8.1	20.2
3 12	12 15.58	− 1 52.5	1.965	2.943	4.3	20.0
3 22	12 9.17	− 0 8.4	1.943	2.939	0.3	19.7
4 1	12 2.65	+ 1 36.1	1.950	2.936	3.9	20.0
4 11	11 56.84	+ 3 12.9	1.986	2.933	7.8	20.2
4 21	11 52.37	+ 4 35.8	2.048	2.930	11.3	20.4
5 1	11 49.72	+ 5 40.7	2.132	2.927	14.2	20.6

189826 2002 RN_{177} 3 22.8 274.°96 2.°0/24.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.44	− 7 43.0	1.353	2.210	16.4	21.1
3 2	12 27.21	− 7 22.2	1.267	2.193	12.2	20.8
3 12	12 19.27	− 6 39.6	1.203	2.175	7.2	20.4
3 22	12 9.47	− 5 39.0	1.163	2.157	2.4	20.1
4 1	11 59.15	− 4 27.8	1.149	2.139	5.0	20.2
4 11	11 49.84	− 3 16.2	1.160	2.121	10.5	20.4
4 21	11 42.77	− 2 13.9	1.194	2.102	15.6	20.7
5 1	11 38.78	− 1 28.3	1.247	2.083	20.1	20.9

368768 2005 WA_3 3 22.8 174.°57 5.°4/16.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.23	+15 55.5	2.471	3.337	9.5	22.1
3 2	12 25.84	+17 4.3	2.416	3.341	7.2	22.0
3 12	12 18.00	+18 8.3	2.389	3.344	5.6	21.9
3 22	12 9.35	+19 1.2	2.391	3.346	5.7	21.9
4 1	12 0.70	+19 38.2	2.422	3.347	7.6	22.0
4 11	11 52.82	+19 56.2	2.479	3.348	10.0	22.1
4 21	11 46.34	+19 55.0	2.561	3.348	12.3	22.3
5 1	11 41.67	+19 35.8	2.662	3.347	14.2	22.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
416007	2002 CJ_{29}		3 22.8	13.°55	5.°0/26.3	17
	h m	° ′			°	m
2 21	12 33.75	−12 37.0	1.566	2.395	16.0	19.8
3 2	12 27.71	−13 20.9	1.495	2.397	12.4	19.6
3 12	12 19.31	−13 45.5	1.446	2.400	8.6	19.4
3 22	12 9.46	−13 50.9	1.422	2.403	5.5	19.2
4 1	11 59.38	−13 39.4	1.424	2.406	5.7	19.2
4 11	11 50.38	−13 16.9	1.453	2.410	9.1	19.4
4 21	11 43.46	−12 50.3	1.505	2.415	12.8	19.7
5 1	11 39.26	−12 26.3	1.578	2.420	16.3	19.9
6528	Boden		3 22.8	190.°37	0.°4/23.2	18
2 21	12 34.28	− 4 13.0	1.796	2.646	13.3	18.3
3 2	12 27.78	− 3 43.7	1.720	2.645	9.5	18.0
3 12	12 19.24	− 3 1.3	1.669	2.644	5.2	17.8
3 22	12 9.45	− 2 10.1	1.645	2.641	0.7	17.4
4 1	11 59.51	− 1 16.5	1.651	2.638	4.2	17.7
4 11	11 50.51	− 0 27.3	1.684	2.635	8.7	17.9
4 21	11 43.34	+ 0 11.8	1.743	2.630	12.7	18.2
5 1	11 38.58	+ 0 37.1	1.823	2.625	16.0	18.4
210557	1999 TO_{65}		3 22.8	305.°27	0.°1/22.8	17
2 21	12 30.66	− 3 11.7	1.384	2.255	15.2	20.4
3 2	12 25.82	− 2 45.1	1.302	2.238	11.0	20.1
3 12	12 18.45	− 2 2.5	1.243	2.222	6.0	19.8
3 22	12 9.41	− 1 9.3	1.209	2.205	0.5	19.3
4 1	11 59.96	− 0 13.2	1.200	2.189	5.2	19.6
4 11	11 51.52	+ 0 36.6	1.217	2.173	10.6	19.9
4 21	11 45.21	+ 1 13.2	1.256	2.158	15.5	20.1
5 1	11 41.78	+ 1 31.7	1.314	2.143	19.6	20.3
51301	2000 KX_{54}		3 22.8	277.°14	5.°8/16.2	18
2 21	12 29.79	+15 20.6	2.115	2.991	10.4	18.7
3 2	12 24.37	+16 26.1	2.055	2.986	7.9	18.5
3 12	12 17.31	+17 27.1	2.021	2.980	6.0	18.4
3 22	12 9.31	+18 16.7	2.014	2.975	6.2	18.4
4 1	12 1.25	+18 49.0	2.035	2.969	8.3	18.5
4 11	11 54.01	+19 0.7	2.082	2.963	11.0	18.6
4 21	11 48.28	+18 51.3	2.151	2.958	13.6	18.8
5 1	11 44.54	+18 22.0	2.238	2.952	15.9	19.0
173332	1999 VQ_{209}		3 22.8	93.°70	1.°6/24.2	18
2 21	12 33.42	− 7 7.5	1.623	2.471	14.6	20.1
3 2	12 27.15	− 6 48.6	1.566	2.487	10.6	19.9
3 12	12 18.85	− 6 13.6	1.532	2.504	6.2	19.7
3 22	12 9.43	− 5 26.8	1.525	2.520	1.9	19.5
4 1	12 0.04	− 4 34.5	1.546	2.535	4.1	19.6
4 11	11 51.83	− 3 44.2	1.594	2.551	8.5	19.9
4 21	11 45.60	− 3 2.1	1.667	2.566	12.5	20.2
5 1	11 41.85	− 2 32.5	1.761	2.581	15.8	20.4
365544	2010 SY_{33}		3 22.8	187.°25	0.°1/22.7	16
2 21	12 32.61	− 2 51.2	2.101	2.951	11.7	22.2
3 2	12 26.36	− 2 17.1	2.024	2.950	8.3	22.0
3 12	12 18.39	− 1 32.6	1.973	2.949	4.4	21.7
3 22	12 9.40	− 0 41.9	1.951	2.948	0.3	21.4
4 1	12 0.29	+ 0 9.2	1.959	2.945	3.9	21.7
4 11	11 51.98	+ 0 55.2	1.996	2.942	7.8	21.9
4 21	11 45.22	+ 1 31.4	2.059	2.939	11.3	22.1
5 1	11 40.50	+ 1 54.9	2.144	2.934	14.3	22.3
56286	1999 LG_9		3 22.8	147.°64	5.°8/31.9	18
2 21	12 27.37	−26 46.0	2.778	3.500	12.4	19.0
3 2	12 22.44	−26 21.3	2.690	3.507	10.5	18.8
3 12	12 16.20	−25 34.3	2.625	3.513	8.4	18.7
3 22	12 9.23	−24 25.9	2.585	3.519	6.6	18.6
4 1	12 2.22	−22 59.2	2.573	3.525	5.8	18.5
4 11	11 55.86	−21 19.7	2.591	3.531	6.6	18.6
4 21	11 50.71	−19 34.3	2.637	3.536	8.4	18.7
5 1	11 47.19	−17 49.9	2.709	3.541	10.5	18.9
140340	2001 TO_7		3 22.8	98.°13	2.°6/19.8	18
2 21	12 30.95	+ 6 56.0	2.454	3.321	9.6	20.2
3 2	12 24.83	+ 7 31.7	2.405	3.340	6.7	20.0
3 12	12 17.40	+ 8 8.2	2.384	3.359	3.8	19.9
3 22	12 9.32	+ 8 41.0	2.391	3.378	2.7	19.8
4 1	12 1.32	+ 9 6.0	2.429	3.397	4.9	20.0
4 11	11 54.12	+ 9 20.1	2.495	3.416	7.8	20.2
4 21	11 48.27	+ 9 21.8	2.587	3.434	10.4	20.4
5 1	11 44.13	+ 9 10.9	2.700	3.451	12.6	20.6
89949	2002 GS_{118}		3 22.8	145.°40	2.°3/20.2	17
2 21	12 29.78	+ 3 30.8	2.137	3.005	10.7	19.9
3 2	12 24.27	+ 4 29.4	2.075	3.012	7.4	19.7
3 12	12 17.22	+ 5 33.2	2.040	3.019	4.0	19.5
3 22	12 9.31	+ 6 36.1	2.034	3.025	2.4	19.4
4 1	12 1.38	+ 7 32.0	2.057	3.031	5.1	19.6
4 11	11 54.27	+ 8 15.9	2.108	3.036	8.6	19.8
4 21	11 48.60	+ 8 44.6	2.184	3.041	11.7	20.0
5 1	11 44.84	+ 8 56.9	2.281	3.046	14.3	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
330033	2005 UB_{199}		3 22.8	286.°06	3.°9/19.4	17
	h m	° ′			°	m
2 21	12 32.17	+ 7 32.1	1.701	2.579	12.4	20.5
3 2	12 26.44	+ 8 18.2	1.626	2.566	8.8	20.2
3 12	12 18.59	+ 9 6.9	1.576	2.553	5.2	20.0
3 22	12 9.43	+ 9 51.2	1.553	2.539	4.1	19.9
4 1	12 0.05	+10 23.9	1.557	2.526	7.1	20.0
4 11	11 51.60	+10 39.6	1.587	2.512	11.1	20.2
4 21	11 44.99	+10 36.0	1.640	2.499	14.8	20.4
5 1	11 40.85	+10 12.8	1.712	2.486	18.0	20.6
25847	2000 EV_{97}		3 22.8	184.°34	3.°4/18.0	18
2 21	12 27.45	+11 4.9	2.967	3.836	8.0	18.8
3 2	12 22.34	+11 49.5	2.903	3.836	5.7	18.7
3 12	12 16.10	+12 32.9	2.867	3.836	3.8	18.6
3 22	12 9.24	+13 10.8	2.860	3.835	3.6	18.5
4 1	12 2.34	+13 39.6	2.884	3.835	5.3	18.7
4 11	11 56.02	+13 56.4	2.935	3.834	7.6	18.8
4 21	11 50.73	+14 0.1	3.011	3.833	9.8	18.9
5 1	11 46.85	+13 50.5	3.109	3.832	11.7	19.1
517677	2015 CT_{64}		3 22.8	86.°46	2.°4/20.5	15
2 21	12 30.58	+ 3 40.1	1.858	2.731	11.9	21.5
3 2	12 24.99	+ 4 27.4	1.800	2.739	8.2	21.3
3 12	12 17.65	+ 5 19.8	1.768	2.747	4.4	21.1
3 22	12 9.35	+ 6 11.2	1.763	2.755	2.5	21.0
4 1	12 1.05	+ 6 55.2	1.787	2.764	5.5	21.2
4 11	11 53.71	+ 7 26.5	1.838	2.772	9.2	21.5
4 21	11 48.04	+ 7 42.2	1.913	2.780	12.7	21.7
5 1	11 44.51	+ 7 41.4	2.008	2.788	15.5	21.9
88887	2001 SD_{288}		3 22.8	61.°44	4.°8/16.8	18
2 21	12 27.02	+ 9 59.3	1.989	2.872	10.7	19.2
3 2	12 22.35	+11 44.6	1.952	2.891	7.6	19.0
3 12	12 16.18	+13 28.7	1.941	2.911	5.2	18.9
3 22	12 9.24	+15 3.3	1.959	2.931	5.3	18.9
4 1	12 2.37	+16 20.8	2.006	2.951	7.6	19.1
4 11	11 56.39	+17 16.6	2.078	2.971	10.5	19.3
4 21	11 51.91	+17 49.1	2.173	2.991	13.1	19.5
5 1	11 49.32	+17 59.3	2.287	3.011	15.3	19.7
60025	1999 TY_{52}		3 22.8	210.°22	0.°0/22.8	18
2 21	12 27.51	− 2 59.1	2.954	3.799	8.8	20.7
3 2	12 22.43	− 2 27.8	2.869	3.793	6.2	20.6
3 12	12 16.18	− 1 49.0	2.811	3.786	3.3	20.4
3 22	12 9.25	− 1 5.6	2.783	3.779	0.3	20.1
4 1	12 2.23	− 0 21.4	2.786	3.772	2.8	20.3
4 11	11 55.70	+ 0 19.7	2.818	3.764	5.8	20.5
4 21	11 50.18	+ 0 54.3	2.878	3.756	8.5	20.7
5 1	11 46.06	+ 1 19.9	2.962	3.747	10.9	20.8
280182	2002 RP_{182}		3 22.8	221.°29	4.°5/28.3	17
2 21	12 28.65	−18 12.4	2.412	3.197	12.4	21.1
3 2	12 23.54	−18 4.6	2.320	3.191	10.0	20.9
3 12	12 16.90	−17 37.6	2.251	3.184	7.3	20.7
3 22	12 9.31	−16 52.5	2.209	3.177	5.0	20.6
4 1	12 1.55	−15 52.4	2.195	3.170	4.7	20.5
4 11	11 54.42	−14 42.9	2.210	3.163	6.7	20.6
4 21	11 48.59	−13 30.3	2.251	3.155	9.5	20.8
5 1	11 44.57	−12 20.9	2.317	3.147	12.1	20.9
376234	2011 EN_{44}		3 22.8	167.°40	1.°7/21.3	17
2 21	12 31.54	+ 2 15.6	1.880	2.748	12.0	20.1
3 2	12 25.73	+ 2 46.5	1.812	2.748	8.3	19.9
3 12	12 18.09	+ 3 23.6	1.769	2.749	4.4	19.6
3 22	12 9.40	+ 4 1.7	1.755	2.749	1.7	19.4
4 1	12 0.63	+ 4 35.1	1.768	2.749	5.0	19.7
4 11	11 52.76	+ 4 58.6	1.809	2.749	8.9	19.9
4 21	11 46.57	+ 5 9.1	1.874	2.749	12.5	20.1
5 1	11 42.56	+ 5 5.1	1.961	2.749	15.5	20.3
301068	2008 UH_{151}		3 22.8	141.°70	0.°2/23.0	18
2 21	12 33.58	− 4 22.9	1.643	2.498	14.1	21.9
3 2	12 27.32	− 3 41.2	1.580	2.508	10.0	21.6
3 12	12 18.99	− 2 45.1	1.541	2.517	5.4	21.4
3 22	12 9.47	− 1 40.2	1.529	2.525	0.6	21.0
4 1	11 59.93	− 0 34.2	1.545	2.533	4.4	21.4
4 11	11 51.49	+ 0 25.2	1.589	2.540	9.0	21.6
4 21	11 45.01	+ 1 11.9	1.657	2.547	13.1	21.9
5 1	11 41.02	+ 1 42.4	1.746	2.553	16.4	22.1
129169	2005 JU_{77}		3 22.8	213.°00	4.°1/17.8	17
2 21	12 27.97	+ 9 32.1	2.216	3.093	10.0	20.0
3 2	12 23.02	+10 45.3	2.153	3.091	7.1	19.8
3 12	12 16.58	+11 59.1	2.118	3.089	4.6	19.7
3 22	12 9.29	+13 6.9	2.110	3.087	4.4	19.7
4 1	12 1.93	+14 2.6	2.132	3.085	6.7	19.8
4 11	11 55.30	+14 41.5	2.180	3.083	9.6	20.0
4 21	11 50.05	+15 1.6	2.252	3.080	12.4	20.1
5 1	11 46.61	+15 2.8	2.343	3.078	14.8	20.3

174723 2003 UG_{159} 3 22.8 55.°76 0.°4/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.68	− 4 54.4	1.362	2.230	15.7	20.1
3 2	12 25.47	− 4 9.5	1.311	2.245	11.1	19.8
3 12	12 18.04	− 3 7.6	1.283	2.261	6.0	19.6
3 22	12 9.41	− 1 55.8	1.281	2.277	0.7	19.2
4 1	12 0.83	− 0 43.3	1.304	2.293	4.8	19.6
4 11	11 53.56	+ 0 20.6	1.354	2.310	9.7	19.9
4 21	11 48.45	+ 1 9.5	1.426	2.327	14.0	20.2
5 1	11 45.99	+ 1 39.5	1.517	2.343	17.6	20.5

358540 2007 TS_{92} 3 22.8 277.°71 0.°2/23.0 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.03	− 4 17.6	1.552	2.412	14.5	21.7
3 2	12 26.73	− 3 40.1	1.457	2.387	10.5	21.4
3 12	12 18.96	− 2 45.2	1.385	2.361	5.8	21.0
3 22	12 9.51	− 1 37.8	1.339	2.335	0.6	20.6
4 1	11 59.51	− 0 25.6	1.321	2.309	4.9	20.8
4 11	11 50.32	+ 0 42.1	1.329	2.282	10.2	21.1
4 21	11 43.07	+ 1 37.2	1.360	2.254	15.0	21.3
5 1	11 38.55	+ 2 14.3	1.411	2.227	19.2	21.5

216822 2006 VD_7 3 22.8 238.°09 0.°1/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.71	− 3 15.2	2.474	3.324	10.1	21.3
3 2	12 22.76	− 2 42.9	2.391	3.318	7.2	21.1
3 12	12 16.44	− 2 1.4	2.336	3.311	3.9	20.9
3 22	12 9.30	− 1 14.3	2.309	3.305	0.3	20.6
4 1	12 2.04	− 0 26.1	2.311	3.298	3.3	20.8
4 11	11 55.38	+ 0 18.3	2.343	3.292	6.7	21.0
4 21	11 49.93	+ 0 55.0	2.401	3.285	9.8	21.2
5 1	11 46.12	+ 1 21.1	2.482	3.278	12.5	21.4

262785 2006 YD_{20} 3 22.8 168.°36 2.°6/20.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.46	+ 4 32.9	2.144	3.011	10.7	21.6
3 2	12 25.48	+ 5 28.9	2.079	3.015	7.5	21.4
3 12	12 17.89	+ 6 29.2	2.041	3.019	4.1	21.2
3 22	12 9.41	+ 7 27.9	2.033	3.022	2.7	21.1
4 1	12 0.88	+ 8 18.9	2.053	3.025	5.4	21.3
4 11	11 53.18	+ 8 57.4	2.102	3.027	8.8	21.5
4 21	11 46.96	+ 9 20.4	2.175	3.028	11.9	21.7
5 1	11 42.71	+ 9 27.1	2.270	3.029	14.5	21.9

269036 2007 FN_{30} 3 22.8 226.°97 0.°1/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.58	− 3 40.3	2.051	2.904	11.7	21.6
3 2	12 24.32	− 2 59.6	1.970	2.898	8.4	21.4
3 12	12 17.36	− 2 6.9	1.915	2.891	4.5	21.1
3 22	12 9.37	− 1 6.9	1.888	2.885	0.4	20.8
4 1	12 1.23	− 0 5.5	1.890	2.877	3.8	21.0
4 11	11 53.83	+ 0 50.9	1.921	2.870	7.9	21.3
4 21	11 47.91	+ 1 37.1	1.977	2.862	11.5	21.5
5 1	11 43.99	+ 2 9.6	2.054	2.854	14.5	21.7

425940 2011 GQ_{70} 3 22.8 263.°04 1.°6/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.44	− 9 32.4	2.133	2.968	12.1	21.0
3 2	12 22.84	− 8 43.8	2.040	2.954	9.0	20.8
3 12	12 16.59	− 7 37.6	1.971	2.939	5.4	20.6
3 22	12 9.32	− 6 17.7	1.931	2.924	2.0	20.3
4 1	12 1.83	− 4 50.1	1.920	2.909	3.4	20.4
4 11	11 54.99	− 3 22.4	1.937	2.893	7.3	20.6
4 21	11 49.53	− 2 1.7	1.981	2.878	10.9	20.8
5 1	11 45.98	− 0 53.5	2.048	2.862	14.1	20.9

23018 Annmoriarty 3 22.8 253.°66 2.°3/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.01	+ 2 45.2	1.814	2.683	12.2	19.0
3 2	12 26.30	+ 3 39.3	1.729	2.667	8.6	18.7
3 12	12 18.54	+ 4 41.7	1.671	2.650	4.6	18.4
3 22	12 9.48	+ 5 45.9	1.639	2.632	2.4	18.2
4 1	12 0.12	+ 6 44.4	1.637	2.614	5.8	18.4
4 11	11 51.57	+ 7 30.2	1.661	2.595	10.0	18.6
4 21	11 44.73	+ 7 59.0	1.709	2.576	13.9	18.8
5 1	11 40.23	+ 8 8.8	1.778	2.556	17.3	19.0

376413 2012 GK_{10} 3 22.8 271.°77 0.°1/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.46	− 2 58.2	1.807	2.665	12.9	21.8
3 2	12 25.96	− 2 31.2	1.718	2.647	9.2	21.5
3 12	12 18.39	− 1 51.9	1.653	2.629	5.0	21.2
3 22	12 9.48	− 1 4.4	1.615	2.611	0.4	20.8
4 1	12 0.24	− 0 14.9	1.605	2.592	4.3	21.1
4 11	11 51.77	+ 0 29.9	1.623	2.574	8.9	21.3
4 21	11 44.99	+ 1 4.4	1.665	2.554	13.0	21.5
5 1	11 40.55	+ 1 24.8	1.728	2.535	16.6	21.7

40384 1999 NC_{49} 3 22.8 223.°47 0.°2/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.60	− 3 23.2	1.863	2.718	12.7	19.6
3 2	12 25.92	− 2 35.5	1.781	2.710	9.0	19.3
3 12	12 18.30	− 1 34.4	1.723	2.700	4.8	19.1
3 22	12 9.47	− 0 25.1	1.694	2.690	0.4	18.7
4 1	12 0.42	+ 0 45.4	1.694	2.680	4.3	19.0
4 11	11 52.19	+ 1 49.4	1.721	2.669	8.7	19.2
4 21	11 45.62	+ 2 41.1	1.773	2.657	12.7	19.4
5 1	11 41.31	+ 3 16.7	1.847	2.645	16.0	19.6

340817 2006 UE_{80} 3 22.8 56.°02 3.°9/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.18	+10 13.1	2.159	3.034	10.3	20.5
3 2	12 24.53	+10 54.8	2.105	3.041	7.3	20.4
3 12	12 17.36	+11 35.1	2.077	3.049	4.7	20.2
3 22	12 9.39	+12 8.7	2.077	3.057	4.1	20.2
4 1	12 1.43	+12 30.6	2.105	3.064	6.3	20.3
4 11	11 54.33	+12 37.7	2.161	3.072	9.3	20.5
4 21	11 48.71	+12 28.9	2.240	3.080	12.1	20.7
5 1	11 44.98	+12 4.8	2.340	3.088	14.4	20.9

346231 2008 AX_{36} 3 22.8 86.°37 7.°8/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.08	−29 5.0	2.443	3.153	14.3	20.5
3 2	12 24.58	−29 32.7	2.368	3.166	12.3	20.4
3 12	12 17.46	−29 36.5	2.314	3.180	10.3	20.3
3 22	12 9.40	−29 15.6	2.284	3.194	8.6	20.2
4 1	12 1.24	−28 31.7	2.279	3.208	7.8	20.2
4 11	11 53.85	−27 29.3	2.301	3.222	8.3	20.2
4 21	11 47.92	−26 15.2	2.348	3.235	9.8	20.3
5 1	11 43.95	−24 56.6	2.419	3.248	11.7	20.5

106088 2000 SB_{359} 3 22.8 257.°95 7.°9/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.56	−27 24.9	2.536	3.251	13.7	19.8
3 2	12 26.49	−28 17.1	2.437	3.240	11.9	19.6
3 12	12 18.60	−28 48.9	2.359	3.229	10.0	19.5
3 22	12 9.51	−28 57.9	2.306	3.218	8.5	19.3
4 1	12 0.03	−28 44.0	2.279	3.206	7.9	19.3
4 11	11 51.12	−28 10.3	2.279	3.194	8.7	19.3
4 21	11 43.59	−27 22.1	2.304	3.183	10.3	19.4
5 1	11 38.06	−26 26.2	2.353	3.171	12.4	19.5

105758 2000 SP_{100} 3 22.8 86.°77 3.°9/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.45	−14 43.3	2.409	3.210	12.0	19.0
3 2	12 24.70	−14 56.7	2.337	3.221	9.4	18.8
3 12	12 17.48	−14 54.6	2.289	3.233	6.6	18.6
3 22	12 9.41	−14 37.9	2.269	3.244	4.3	18.5
4 1	12 1.27	−14 9.4	2.277	3.256	4.2	18.5
4 11	11 53.85	−13 33.6	2.314	3.267	6.4	18.7
4 21	11 47.79	−12 55.6	2.378	3.278	9.1	18.9
5 1	11 43.53	−12 20.0	2.465	3.290	11.7	19.1

187578 2006 WQ_{26} 3 22.8 67.°48 2.°6/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.77	+ 3 27.1	1.577	2.454	13.3	20.4
3 2	12 26.08	+ 4 15.4	1.521	2.462	9.3	20.2
3 12	12 18.35	+ 5 9.9	1.490	2.470	5.0	19.9
3 22	12 9.48	+ 6 3.4	1.485	2.478	2.7	19.8
4 1	12 0.61	+ 6 48.4	1.508	2.486	6.1	20.0
4 11	11 52.87	+ 7 19.0	1.556	2.494	10.3	20.3
4 21	11 47.09	+ 7 31.8	1.628	2.502	14.1	20.6
5 1	11 43.77	+ 7 26.2	1.719	2.510	17.3	20.8

373444 1999 UG_{18} 3 22.8 15.°90 2.°1/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.47	+ 2 53.7	1.798	2.671	12.2	20.6
3 2	12 25.05	+ 3 33.4	1.733	2.671	8.5	20.4
3 12	12 17.77	+ 4 19.4	1.693	2.672	4.5	20.2
3 22	12 9.44	+ 5 5.6	1.680	2.673	2.2	20.0
4 1	12 1.03	+ 5 45.8	1.695	2.674	5.4	20.2
4 11	11 53.55	+ 6 14.3	1.737	2.676	9.4	20.5
4 21	11 47.77	+ 6 27.9	1.803	2.677	13.0	20.7
5 1	11 44.22	+ 6 25.2	1.889	2.679	16.0	20.9

257680 1999 VR_{134} 3 22.8 263.°10 0.°6/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.21	− 1 45.1	1.713	2.575	13.2	21.5
3 2	12 26.58	− 1 9.2	1.625	2.558	9.4	21.2
3 12	12 18.76	− 0 21.0	1.562	2.540	5.0	20.9
3 22	12 9.53	+ 0 34.5	1.526	2.522	0.6	20.5
4 1	11 59.94	+ 1 30.4	1.518	2.504	4.8	20.8
4 11	11 51.19	+ 2 19.0	1.537	2.485	9.5	21.0
4 21	11 44.23	+ 2 54.9	1.580	2.466	13.8	21.2
5 1	11 39.75	+ 3 14.2	1.644	2.447	17.5	21.4

289276 2004 XM_{149} 3 22.8 44.°04 1.°5/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.06	+ 0 7.3	1.258	2.139	15.7	20.9
3 2	12 26.62	+ 0 46.6	1.208	2.150	11.0	20.7
3 12	12 18.74	+ 1 37.4	1.180	2.161	5.7	20.4
3 22	12 9.51	+ 2 31.8	1.178	2.173	1.5	20.1
4 1	12 0.33	+ 3 20.8	1.201	2.186	5.9	20.5
4 11	11 52.56	+ 3 56.8	1.248	2.198	11.0	20.8
4 21	11 47.15	+ 4 15.0	1.317	2.212	15.4	21.1
5 1	11 44.59	+ 4 13.9	1.405	2.225	19.0	21.3

336168 2008 RM_{31} 3 22.8 254.°84 0.°9/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.04	− 2 7.4	2.011	2.872	11.6	21.1
3 2	12 23.30	− 1 0.8	1.928	2.861	8.2	20.9
3 12	12 16.86	+ 0 18.4	1.870	2.849	4.3	20.6
3 22	12 9.37	+ 1 44.1	1.841	2.837	0.9	20.3
4 1	12 1.69	+ 3 8.9	1.841	2.824	4.5	20.6
4 11	11 54.73	+ 4 25.3	1.869	2.812	8.5	20.8
4 21	11 49.22	+ 5 27.5	1.922	2.799	12.2	21.0
5 1	11 45.70	+ 6 12.0	1.997	2.786	15.3	21.2

99437 2002 BS_{25} 3 22.8 24.°90 4.°9/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.09	−13 12.9	1.329	2.168	17.7	19.2
3 2	12 26.81	−13 28.2	1.263	2.171	13.7	19.0
3 12	12 18.97	−13 18.7	1.217	2.175	9.3	18.7
3 22	12 9.54	−12 45.7	1.195	2.179	5.5	18.5
4 1	11 59.92	−11 54.5	1.197	2.183	5.8	18.5
4 11	11 51.55	−10 54.3	1.225	2.188	9.7	18.8
4 21	11 45.50	− 9 54.8	1.275	2.193	14.1	19.0
5 1	11 42.43	− 9 4.3	1.345	2.198	17.9	19.3

203377 2001 XL_{38} 3 22.8 188.°17 1.°7/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 35.32	− 6 54.6	1.748	2.589	14.0	20.6
3 2	12 28.63	− 6 46.5	1.671	2.589	10.3	20.3
3 12	12 19.78	− 6 23.4	1.618	2.588	6.1	20.1
3 22	12 9.61	− 5 48.4	1.593	2.587	2.0	19.8
4 1	11 59.25	− 5 6.7	1.596	2.585	4.1	19.9
4 11	11 49.87	− 4 24.8	1.627	2.582	8.5	20.2
4 21	11 42.39	− 3 48.9	1.683	2.579	12.6	20.4
5 1	11 37.42	− 3 23.6	1.761	2.575	16.0	20.7

257952 2000 YK_{113} 3 22.8 46.°14 5.°6/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.34	+ 9 8.8	1.353	2.243	14.2	19.5
3 2	12 26.02	+10 28.9	1.306	2.251	10.1	19.3
3 12	12 18.39	+11 49.6	1.283	2.258	6.5	19.1
3 22	12 9.49	+13 0.3	1.285	2.266	6.0	19.1
4 1	12 0.63	+13 51.6	1.313	2.274	9.1	19.3
4 11	11 53.10	+14 17.5	1.365	2.283	13.1	19.5
4 21	11 47.79	+14 17.1	1.437	2.291	16.8	19.8
5 1	11 45.20	+13 52.1	1.526	2.300	19.8	20.0

128637 2004 RK_{22} 3 22.8 212.°83 0.°1/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.76	− 2 38.3	2.350	3.199	10.6	21.0
3 2	12 25.00	− 2 4.4	2.266	3.192	7.5	20.7
3 12	12 17.69	− 1 21.0	2.208	3.184	4.0	20.5
3 22	12 9.45	− 0 32.0	2.179	3.175	0.3	20.2
4 1	12 1.05	+ 0 17.6	2.180	3.166	3.6	20.4
4 11	11 53.31	+ 1 2.6	2.211	3.156	7.2	20.6
4 21	11 46.89	+ 1 39.0	2.268	3.146	10.5	20.8
5 1	11 42.29	+ 2 3.7	2.347	3.135	13.3	21.0

173169 1997 ED_{27} 3 22.8 40.°86 5.°7/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 25.80	+12 50.1	2.090	2.974	10.2	19.2
3 2	12 21.58	+14 47.0	2.043	2.980	7.5	19.1
3 12	12 15.86	+16 41.7	2.024	2.986	5.8	19.0
3 22	12 9.30	+18 25.4	2.032	2.992	6.2	19.0
4 1	12 2.71	+19 50.5	2.069	2.998	8.5	19.1
4 11	11 56.89	+20 52.1	2.132	3.005	11.1	19.3
4 21	11 52.49	+21 28.6	2.216	3.012	13.7	19.5
5 1	11 49.92	+21 41.1	2.319	3.019	15.7	19.7

382380 2013 TE_{120} 3 22.8 163.°92 2.°5/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.38	+ 6 3.8	2.309	3.172	10.2	21.8
3 2	12 26.73	+ 6 36.5	2.244	3.178	7.1	21.6
3 12	12 18.55	+ 7 11.1	2.206	3.182	4.0	21.4
3 22	12 9.51	+ 7 43.0	2.197	3.187	2.6	21.3
4 1	12 0.45	+ 8 7.6	2.219	3.190	5.1	21.5
4 11	11 52.20	+ 8 21.2	2.269	3.193	8.3	21.7
4 21	11 45.41	+ 8 22.1	2.345	3.196	11.2	21.9
5 1	11 40.52	+ 8 9.8	2.443	3.198	13.7	22.1

222282 2000 SS_{63} 3 22.8 179.°12 0.°3/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.56	− 3 42.1	2.073	2.923	11.8	20.8
3 2	12 25.67	− 3 18.8	1.998	2.924	8.4	20.6
3 12	12 18.07	− 2 44.9	1.949	2.924	4.6	20.4
3 22	12 9.49	− 2 4.2	1.929	2.925	0.6	20.1
4 1	12 0.79	− 1 21.7	1.937	2.925	3.7	20.3
4 11	11 52.90	− 0 42.9	1.974	2.924	7.6	20.6
4 21	11 46.53	− 0 12.3	2.037	2.923	11.1	20.8
5 1	11 42.20	+ 0 7.1	2.121	2.922	14.1	21.0

106918 2000 YZ_{52} 3 22.8 72.°56 1.°8/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.16	− 7 27.6	1.465	2.319	15.5	19.9
3 2	12 26.54	− 7 6.7	1.405	2.329	11.4	19.7
3 12	12 18.67	− 6 27.5	1.367	2.339	6.6	19.4
3 22	12 9.53	− 5 34.5	1.354	2.349	2.1	19.2
4 1	12 0.35	− 4 35.0	1.369	2.359	4.4	19.3
4 11	11 52.37	− 3 37.6	1.409	2.369	9.1	19.6
4 21	11 46.49	− 2 49.5	1.474	2.379	13.4	19.9
5 1	11 43.27	− 2 15.6	1.558	2.389	17.0	20.2

500691 2012 VP_{94} 3 22.8 156.°28 3.°1/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.94	+ 8 49.2	2.564	3.432	9.1	21.7
3 2	12 24.22	+ 9 31.4	2.502	3.437	6.4	21.6
3 12	12 17.18	+10 13.6	2.468	3.441	3.9	21.4
3 22	12 9.42	+10 51.1	2.463	3.445	3.3	21.4
4 1	12 1.64	+11 19.6	2.488	3.449	5.4	21.5
4 11	11 54.56	+11 36.0	2.541	3.453	8.1	21.7
4 21	11 48.73	+11 38.8	2.619	3.456	10.6	21.9
5 1	11 44.55	+11 27.7	2.719	3.459	12.8	22.0

468217 2015 BH_{87} 3 22.8 262.°99 3.°1/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.73	+ 5 2.6	1.909	2.786	11.4	21.1
3 2	12 23.78	+ 6 10.6	1.843	2.784	7.9	20.9
3 12	12 17.10	+ 7 23.8	1.803	2.781	4.5	20.7
3 22	12 9.42	+ 8 35.0	1.791	2.779	3.3	20.6
4 1	12 1.64	+ 9 36.8	1.807	2.777	6.2	20.8
4 11	11 54.71	+10 23.4	1.850	2.774	9.8	21.0
4 21	11 49.34	+10 51.5	1.916	2.772	13.1	21.2
5 1	11 46.04	+11 0.0	2.002	2.770	15.9	21.4

163392 2002 QH_{32} 3 22.8 271.°32 1.°0/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.27	+ 0 27.0	2.072	2.935	11.2	20.6
3 2	12 24.85	+ 0 57.4	1.988	2.922	7.9	20.4
3 12	12 17.70	+ 1 35.5	1.930	2.908	4.2	20.1
3 22	12 9.47	+ 2 17.0	1.899	2.895	1.0	19.9
4 1	12 1.04	+ 2 56.4	1.898	2.881	4.4	20.1
4 11	11 53.32	+ 3 28.4	1.925	2.868	8.3	20.3
4 21	11 47.06	+ 3 49.3	1.976	2.854	11.8	20.5
5 1	11 42.82	+ 3 56.6	2.049	2.840	14.9	20.7

497605 2006 MF 3 22.8 209.°16 5.°6/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.15	+16 32.4	2.462	3.332	9.4	21.8
3 2	12 24.50	+17 41.9	2.402	3.327	7.2	21.6
3 12	12 17.38	+18 46.6	2.368	3.322	5.7	21.5
3 22	12 9.44	+19 40.3	2.363	3.316	6.0	21.5
4 1	12 1.44	+20 17.8	2.387	3.309	7.8	21.6
4 11	11 54.14	+20 36.2	2.436	3.303	10.2	21.8
4 21	11 48.17	+20 34.7	2.509	3.296	12.5	21.9
5 1	11 43.97	+20 14.6	2.600	3.288	14.5	22.1

208173 2000 QM_{24} 3 22.8 202.°73 0.°5/22.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.34	− 2 26.8	2.898	3.747	8.8	20.7
3 2	12 21.65	− 1 23.5	2.815	3.743	6.2	20.5
3 12	12 15.82	− 0 11.6	2.761	3.738	3.2	20.3
3 22	12 9.32	+ 1 4.7	2.737	3.733	0.5	20.0
4 1	12 2.74	+ 2 20.3	2.744	3.727	3.2	20.3
4 11	11 56.66	+ 3 30.3	2.781	3.721	6.2	20.5
4 21	11 51.59	+ 4 30.8	2.845	3.714	8.9	20.6
5 1	11 47.90	+ 5 18.9	2.934	3.707	11.2	20.8

184468 2005 NX_{98} 3 22.8 206.°70 2.°8/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.11	−11 44.1	2.456	3.272	11.3	20.4
3 2	12 23.81	−11 41.5	2.372	3.270	8.6	20.2
3 12	12 17.05	−11 25.0	2.312	3.268	5.7	20.0
3 22	12 9.42	−10 56.2	2.281	3.266	3.1	19.9
4 1	12 1.66	−10 18.3	2.279	3.264	3.5	19.9
4 11	11 54.53	− 9 36.1	2.306	3.262	6.3	20.1
4 21	11 48.65	− 8 54.4	2.359	3.259	9.2	20.2
5 1	11 44.51	− 8 17.6	2.436	3.257	11.9	20.4

81322 2000 GC_{20} 3 22.8 95.°02 0.°1/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.13	− 3 31.4	1.666	2.527	13.6	19.5
3 2	12 25.65	− 2 57.1	1.600	2.531	9.7	19.3
3 12	12 18.16	− 2 9.7	1.558	2.535	5.2	19.0
3 22	12 9.51	− 1 14.4	1.543	2.540	0.4	18.7
4 1	12 0.79	− 0 18.1	1.556	2.544	4.4	19.0
4 11	11 53.07	+ 0 31.8	1.596	2.548	8.9	19.2
4 21	11 47.20	+ 1 9.9	1.659	2.552	12.9	19.5
5 1	11 43.71	+ 1 32.7	1.744	2.556	16.2	19.7

467662 2008 TW_{169} 3 22.8 190.°25 1.°2/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.14	+ 1 9.1	2.463	3.321	9.9	22.7
3 2	12 24.46	+ 1 50.1	2.388	3.320	6.9	22.5
3 12	12 17.36	+ 2 37.3	2.340	3.318	3.6	22.3
3 22	12 9.45	+ 3 26.2	2.321	3.316	1.2	22.1
4 1	12 1.45	+ 4 12.1	2.333	3.313	4.0	22.3
4 11	11 54.12	+ 4 50.3	2.374	3.310	7.3	22.5
4 21	11 48.04	+ 5 17.8	2.441	3.306	10.3	22.7
5 1	11 43.68	+ 5 32.5	2.530	3.302	12.9	22.9

519999 2013 TF_{170} 3 22.8 223.°84 3.°0/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.62	+ 6 45.6	2.190	3.059	10.5	21.8
3 2	12 25.68	+ 7 30.4	2.115	3.051	7.4	21.6
3 12	12 18.08	+ 8 17.8	2.067	3.043	4.3	21.4
3 22	12 9.51	+ 9 2.1	2.047	3.034	3.2	21.3
4 1	12 0.81	+ 9 37.8	2.057	3.025	5.7	21.4
4 11	11 52.86	+10 0.6	2.095	3.016	9.0	21.6
4 21	11 46.36	+10 8.2	2.158	3.006	12.1	21.8
5 1	11 41.82	+10 0.0	2.241	2.996	14.8	22.0

472572 2015 DK_{94} 3 22.8 208.°81 0.°7/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.50	− 4 22.4	2.233	3.077	11.3	21.8
3 2	12 25.58	− 4 9.7	2.152	3.074	8.1	21.6
3 12	12 18.03	− 3 47.0	2.097	3.070	4.5	21.3
3 22	12 9.51	− 3 17.1	2.070	3.065	0.9	21.1
4 1	12 0.84	− 2 44.4	2.073	3.061	3.4	21.2
4 11	11 52.89	− 2 13.6	2.105	3.056	7.1	21.5
4 21	11 46.36	− 1 48.7	2.163	3.051	10.5	21.7
5 1	11 41.74	− 1 33.0	2.244	3.046	13.4	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
422801	2001 XH_{207}		3 22.8	144.°49	4.°4/28.5	15
	h m	° ′			°	m
2 21	12 30.88	−19 4.5	2.461	3.236	12.5	22.3
3 2	12 25.00	−18 45.7	2.384	3.249	10.0	22.2
3 12	12 17.65	−18 7.3	2.331	3.261	7.3	22.0
3 22	12 9.48	−17 10.9	2.305	3.273	5.0	21.9
4 1	12 1.27	−16 0.4	2.309	3.284	4.6	21.9
4 11	11 53.81	−14 41.7	2.342	3.294	6.5	22.0
4 21	11 47.72	−13 21.6	2.403	3.303	9.1	22.2
5 1	11 43.44	−12 6.0	2.489	3.312	11.6	22.4
141648	2002 JJ_{64}		3 22.8	282.°78	0.°7/23.4	17
2 21	12 30.91	− 5 18.1	1.565	2.425	14.4	20.6
3 2	12 25.89	− 4 44.4	1.475	2.404	10.5	20.3
3 12	12 18.52	− 3 53.1	1.407	2.382	5.9	20.0
3 22	12 9.57	− 2 48.6	1.365	2.361	1.0	19.6
4 1	12 0.18	− 1 38.5	1.350	2.339	4.6	19.8
4 11	11 51.63	− 0 31.6	1.362	2.318	9.7	20.0
4 21	11 44.98	+ 0 24.1	1.397	2.296	14.4	20.2
5 1	11 40.97	+ 1 3.0	1.452	2.274	18.5	20.4
136578	1981 EL_{45}		3 22.8	17.°66	4.°1/26.2	18 R
2 21	12 29.68	−12 30.7	1.395	2.238	16.8	19.4
3 2	12 25.00	−12 25.5	1.328	2.240	12.9	19.1
3 12	12 17.97	−11 55.8	1.282	2.243	8.5	18.9
3 22	12 9.52	−11 4.6	1.260	2.247	4.6	18.7
4 1	12 0.90	− 9 58.1	1.263	2.251	5.1	18.7
4 11	11 53.44	− 8 46.1	1.292	2.256	9.2	18.9
4 21	11 48.12	− 7 38.1	1.344	2.261	13.5	19.2
5 1	11 45.53	− 6 41.9	1.416	2.267	17.3	19.4
341391	2007 TV_{131}		3 22.8	42.°72	0.°9/21.9	17
2 21	12 29.02	− 0 26.8	1.882	2.748	12.0	20.9
3 2	12 23.91	+ 0 7.4	1.823	2.758	8.4	20.7
3 12	12 17.14	+ 0 50.1	1.790	2.769	4.4	20.5
3 22	12 9.44	+ 1 36.1	1.784	2.780	0.9	20.2
4 1	12 1.75	+ 2 19.6	1.807	2.792	4.3	20.5
4 11	11 54.98	+ 2 54.9	1.857	2.803	8.3	20.8
4 21	11 49.80	+ 3 18.4	1.931	2.815	11.7	21.0
5 1	11 46.67	+ 3 27.8	2.026	2.828	14.7	21.2
33373	1999 BL_{28}		3 22.8	234.°42	3.°9/18.9	18
2 21	12 32.68	+ 6 9.2	1.787	2.661	12.2	19.4
3 2	12 26.81	+ 7 30.5	1.709	2.647	8.6	19.2
3 12	12 18.86	+ 8 58.1	1.657	2.633	5.1	18.9
3 22	12 9.60	+10 23.5	1.632	2.617	4.2	18.8
4 1	12 0.07	+11 37.5	1.637	2.601	7.3	19.0
4 11	11 51.40	+12 33.1	1.668	2.584	11.2	19.2
4 21	11 44.48	+13 6.4	1.722	2.566	14.9	19.4
5 1	11 39.96	+13 16.5	1.795	2.548	18.0	19.5
271895	2004 VA_{43}		3 22.8	185.°19	0.°2/22.9	17
2 21	12 29.57	− 3 47.6	1.945	2.801	12.2	21.4
3 2	12 24.37	− 3 11.8	1.872	2.801	8.7	21.2
3 12	12 17.43	− 2 24.0	1.824	2.801	4.7	20.9
3 22	12 9.48	− 1 28.9	1.804	2.801	0.5	20.6
4 1	12 1.42	− 0 32.4	1.813	2.800	3.9	20.9
4 11	11 54.19	+ 0 19.0	1.849	2.800	8.0	21.1
4 21	11 48.51	+ 1 0.2	1.910	2.800	11.6	21.4
5 1	11 44.90	+ 1 27.9	1.993	2.799	14.7	21.6
337721	2001 UB_{44}		3 22.8	80.°83	5.°8/16.8	18
2 21	12 33.45	+17 24.9	2.253	3.120	10.3	20.5
3 2	12 26.69	+18 8.6	2.216	3.140	7.8	20.4
3 12	12 18.47	+18 44.5	2.206	3.160	6.0	20.3
3 22	12 9.55	+19 7.4	2.224	3.180	6.1	20.3
4 1	12 0.81	+19 13.4	2.270	3.199	7.8	20.5
4 11	11 53.05	+19 0.9	2.343	3.219	10.2	20.6
4 21	11 46.87	+18 30.9	2.439	3.238	12.4	20.8
5 1	11 42.65	+17 45.3	2.555	3.258	14.4	21.0
341657	2007 VT_{60}		3 22.8	220.°81	2.°4/19.9	18
2 21	12 29.97	+ 5 43.5	2.545	3.410	9.3	21.5
3 2	12 24.34	+ 6 23.9	2.468	3.402	6.5	21.3
3 12	12 17.32	+ 7 7.0	2.418	3.394	3.7	21.1
3 22	12 9.48	+ 7 48.4	2.397	3.386	2.5	21.0
4 1	12 1.52	+ 8 23.3	2.406	3.377	4.8	21.2
4 11	11 54.19	+ 8 48.0	2.444	3.367	7.8	21.3
4 21	11 48.08	+ 9 0.2	2.508	3.358	10.6	21.5
5 1	11 43.64	+ 8 58.8	2.594	3.348	13.0	21.7
130765	2000 SX_{299}		3 22.8	309.°01	3.°9/25.4	17
2 21	12 30.96	−10 9.2	1.271	2.125	17.4	19.1
3 2	12 26.52	−10 21.7	1.176	2.097	13.4	18.7
3 12	12 19.16	−10 11.6	1.102	2.069	8.7	18.4
3 22	12 9.66	− 9 39.4	1.051	2.041	4.4	18.0
4 1	11 59.36	− 8 49.8	1.024	2.013	5.7	18.0
4 11	11 49.92	− 7 51.5	1.021	1.986	10.9	18.2
4 21	11 42.77	− 6 54.9	1.039	1.959	16.3	18.4
5 1	11 38.92	− 6 9.4	1.076	1.934	21.1	18.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
110713	2001 TH_{229}		3 22.9	180.°77	3.°7/18.5	18
	h m	° ′			°	m
2 21	12 30.07	+10 11.8	2.487	3.357	9.3	20.0
3 2	12 24.38	+10 58.8	2.423	3.357	6.6	19.9
3 12	12 17.32	+11 45.1	2.387	3.358	4.3	19.7
3 22	12 9.48	+12 25.5	2.379	3.358	3.8	19.7
4 1	12 1.61	+12 55.5	2.402	3.357	5.9	19.8
4 11	11 54.44	+13 11.8	2.451	3.357	8.6	20.0
4 21	11 48.55	+13 13.1	2.526	3.356	11.2	20.1
5 1	11 44.37	+12 59.3	2.621	3.355	13.4	20.3
357060	2001 OC_{99}		3 22.9	127.°60	8.°0/13.7	18
2 21	12 34.13	+17 50.0	1.813	2.687	12.0	20.7
3 2	12 27.55	+20 6.2	1.783	2.707	9.4	20.5
3 12	12 19.07	+22 12.8	1.781	2.726	8.0	20.5
3 22	12 9.62	+23 59.0	1.807	2.744	8.7	20.6
4 1	12 0.28	+25 16.8	1.860	2.762	10.9	20.7
4 11	11 52.10	+26 2.9	1.937	2.778	13.5	20.9
4 21	11 45.83	+26 18.6	2.034	2.793	15.9	21.1
5 1	11 41.92	+26 7.5	2.148	2.808	17.8	21.3
311304	2005 JU_{50}		3 22.9	21.°17	1.°7/21.5	18
2 21	12 29.93	+ 0 6.1	1.287	2.170	15.3	20.3
3 2	12 25.18	+ 0 54.8	1.231	2.174	10.7	20.0
3 12	12 18.06	+ 1 55.7	1.198	2.179	5.6	19.7
3 22	12 9.55	+ 3 0.6	1.189	2.184	1.7	19.5
4 1	12 0.99	+ 4 0.0	1.206	2.190	6.0	19.8
4 11	11 53.71	+ 4 45.5	1.247	2.197	11.1	20.1
4 21	11 48.66	+ 5 11.8	1.310	2.204	15.5	20.4
5 1	11 46.38	+ 5 17.0	1.391	2.212	19.2	20.6
135089	2001 QC_{60}		3 22.9	196.°03	2.°6/19.4	18
2 21	12 28.42	+ 6 8.9	2.603	3.470	9.0	20.8
3 2	12 23.21	+ 7 5.5	2.532	3.468	6.3	20.6
3 12	12 16.70	+ 8 4.8	2.489	3.465	3.6	20.4
3 22	12 9.45	+ 9 1.8	2.476	3.462	2.8	20.4
4 1	12 2.12	+ 9 51.5	2.492	3.459	5.0	20.5
4 11	11 55.40	+10 29.8	2.538	3.455	7.8	20.7
4 21	11 49.85	+10 54.3	2.608	3.450	10.5	20.8
5 1	11 45.89	+11 4.0	2.700	3.446	12.8	21.0
379320	2009 WS_{32}		3 22.9	56.°45	1.°1/23.9	17
2 21	12 29.78	− 6 15.7	1.729	2.582	13.6	21.1
3 2	12 24.62	− 5 47.0	1.667	2.592	9.8	20.9
3 12	12 17.60	− 5 3.3	1.629	2.602	5.6	20.7
3 22	12 9.54	− 4 9.3	1.617	2.613	1.4	20.4
4 1	12 1.45	− 3 11.4	1.634	2.623	3.9	20.6
4 11	11 54.35	− 2 16.9	1.677	2.634	8.1	20.9
4 21	11 48.99	− 1 31.6	1.745	2.645	12.0	21.1
5 1	11 45.88	− 0 59.6	1.834	2.656	15.2	21.4
24961	1997 TO_{24}		3 22.9	226.°48	1.°5/20.9	18
2 21	12 29.87	+ 2 58.5	2.908	3.764	8.6	20.2
3 2	12 24.18	+ 3 36.6	2.819	3.750	6.0	20.0
3 12	12 17.23	+ 4 19.0	2.758	3.736	3.2	19.8
3 22	12 9.52	+ 5 2.0	2.728	3.720	1.5	19.6
4 1	12 1.66	+ 5 41.5	2.728	3.704	3.8	19.8
4 11	11 54.30	+ 6 13.9	2.758	3.688	6.7	19.9
4 21	11 47.99	+ 6 36.3	2.816	3.671	9.4	20.1
5 1	11 43.16	+ 6 47.3	2.896	3.653	11.7	20.2
495093	2011 SH_{80}		3 22.9	155.°81	0.°5/23.3	18
2 21	12 32.19	− 5 48.8	1.648	2.501	14.2	22.1
3 2	12 26.44	− 4 57.1	1.581	2.507	10.2	21.8
3 12	12 18.63	− 3 48.6	1.537	2.512	5.6	21.6
3 22	12 9.63	− 2 29.3	1.521	2.517	0.8	21.3
4 1	12 0.54	− 1 7.4	1.533	2.521	4.3	21.5
4 11	11 52.50	+ 0 8.2	1.572	2.525	8.9	21.8
4 21	11 46.35	+ 1 10.6	1.636	2.528	13.1	22.0
5 1	11 42.64	+ 1 55.5	1.720	2.530	16.5	22.3
248449	2005 TJ_{118}		3 22.9	278.°64	1.°0/24.0	17
2 21	12 27.49	− 6 33.1	2.388	3.230	10.7	21.4
3 2	12 22.79	− 6 2.9	2.292	3.211	7.8	21.2
3 12	12 16.60	− 5 20.4	2.222	3.193	4.5	20.9
3 22	12 9.47	− 4 28.6	2.180	3.175	1.2	20.7
4 1	12 2.13	− 3 32.0	2.167	3.156	3.2	20.8
4 11	11 55.35	− 2 36.3	2.183	3.137	6.7	21.0
4 21	11 49.77	− 1 46.3	2.226	3.118	10.1	21.2
5 1	11 45.91	− 1 6.3	2.291	3.099	13.0	21.3
16539	1991 PY_{12}		3 22.9	94.°18	4.°2/26.7	18
2 21	12 34.58	−13 44.9	1.942	2.752	14.1	17.9
3 2	12 27.87	−14 3.5	1.878	2.770	10.9	17.8
3 12	12 19.30	−14 3.8	1.839	2.788	7.5	17.6
3 22	12 9.70	−13 47.1	1.826	2.805	4.7	17.4
4 1	12 0.07	−13 16.9	1.841	2.823	4.8	17.5
4 11	11 51.43	−12 38.9	1.885	2.840	7.6	17.7
4 21	11 44.57	−11 59.2	1.954	2.856	10.8	17.9
5 1	11 39.97	−11 23.6	2.047	2.873	13.7	18.1

206210 2002 VX_{15} 3 22.9 57.°13 7.°3/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.56	+19 4.6	1.909	2.784	11.5	19.4
3 2	12 25.61	+20 14.3	1.880	2.804	9.0	19.3
3 12	12 18.00	+21 13.7	1.876	2.824	7.4	19.3
3 22	12 9.58	+21 55.7	1.898	2.844	7.7	19.3
4 1	12 1.35	+22 15.4	1.947	2.865	9.6	19.5
4 11	11 54.23	+22 11.1	2.020	2.885	12.0	19.7
4 21	11 48.85	+21 44.3	2.114	2.906	14.4	19.9
5 1	11 45.60	+20 57.9	2.227	2.927	16.3	20.0

9531 Jean–Luc 3 22.9 191.°68 0.°2/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 35.57	− 3 17.3	1.799	2.650	13.3	18.1
3 2	12 28.78	− 2 53.2	1.723	2.649	9.5	17.8
3 12	12 19.90	− 2 17.2	1.672	2.647	5.2	17.6
3 22	12 9.76	− 1 33.5	1.648	2.644	0.5	17.2
4 1	11 59.43	− 0 48.1	1.654	2.641	4.2	17.5
4 11	11 50.07	− 0 7.5	1.687	2.636	8.7	17.7
4 21	11 42.55	+ 0 23.2	1.746	2.631	12.7	18.0
5 1	11 37.47	+ 0 40.6	1.826	2.626	16.1	18.2

50052 2000 AV_{63} 3 22.9 210.°66 3.°0/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.76	+ 5 28.8	2.173	3.040	10.6	18.8
3 2	12 25.83	+ 6 33.7	2.097	3.033	7.4	18.6
3 12	12 18.23	+ 7 43.2	2.048	3.025	4.2	18.3
3 22	12 9.62	+ 8 50.9	2.028	3.016	3.1	18.2
4 1	12 0.87	+ 9 50.2	2.039	3.006	5.8	18.4
4 11	11 52.85	+10 35.8	2.077	2.996	9.2	18.6
4 21	11 46.30	+11 4.5	2.140	2.985	12.4	18.8
5 1	11 41.71	+11 15.2	2.224	2.973	15.1	18.9

271723 2004 RP_{234} 3 22.9 84.°42 2.°7/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.10	+ 2 1.4	1.792	2.667	12.1	20.8
3 2	12 23.36	+ 3 39.4	1.738	2.679	8.3	20.6
3 12	12 16.90	+ 5 25.7	1.711	2.691	4.4	20.4
3 22	12 9.51	+ 7 11.4	1.712	2.702	2.9	20.3
4 1	12 2.13	+ 8 47.3	1.741	2.714	6.1	20.5
4 11	11 55.68	+10 5.9	1.798	2.725	9.8	20.8
4 21	11 50.87	+11 2.8	1.878	2.737	13.2	21.0
5 1	11 48.15	+11 36.9	1.979	2.748	16.0	21.2

314820 2006 UK_{47} 3 22.9 354.°01 1.°0/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.33	− 4 51.9	1.255	2.128	16.3	20.0
3 2	12 24.97	− 4 35.1	1.188	2.124	11.8	19.7
3 12	12 18.08	− 4 0.6	1.143	2.120	6.6	19.4
3 22	12 9.63	− 3 13.3	1.122	2.117	1.3	19.1
4 1	12 0.95	− 2 21.2	1.125	2.116	4.9	19.3
4 11	11 53.48	− 1 33.5	1.153	2.115	10.3	19.6
4 21	11 48.27	− 0 57.7	1.203	2.115	15.2	19.9
5 1	11 45.98	− 0 38.7	1.271	2.116	19.2	20.1

167021 2003 QL_{32} 3 22.9 135.°64 1.°7/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.47	− 0 9.3	1.714	2.581	13.0	20.7
3 2	12 25.82	+ 1 1.0	1.654	2.590	9.0	20.5
3 12	12 18.26	+ 2 21.8	1.619	2.599	4.7	20.2
3 22	12 9.63	+ 3 45.6	1.613	2.607	1.7	20.0
4 1	12 0.98	+ 5 3.9	1.634	2.615	5.3	20.3
4 11	11 53.36	+ 6 9.0	1.683	2.622	9.5	20.6
4 21	11 47.54	+ 6 56.2	1.756	2.629	13.3	20.8
5 1	11 44.03	+ 7 23.4	1.849	2.636	16.4	21.0

33454 Neilclaffey 3 22.9 132.°98 3.°1/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.50	+ 4 43.5	1.710	2.581	12.8	19.0
3 2	12 27.91	+ 5 42.8	1.656	2.594	8.9	18.8
3 12	12 19.35	+ 6 46.7	1.628	2.606	4.9	18.6
3 22	12 9.72	+ 7 47.8	1.627	2.617	3.2	18.5
4 1	12 0.14	+ 8 38.4	1.656	2.628	6.3	18.7
4 11	11 51.69	+ 9 13.2	1.710	2.638	10.2	18.9
4 21	11 45.17	+ 9 29.4	1.789	2.648	13.8	19.2
5 1	11 41.05	+ 9 26.7	1.887	2.657	16.7	19.4

343132 2009 FV 3 22.9 24.°99 0.°2/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.52	− 1 45.4	2.018	2.877	11.6	20.1
3 2	12 24.27	− 1 25.2	1.949	2.880	8.2	19.9
3 12	12 17.39	− 0 56.2	1.907	2.884	4.4	19.7
3 22	12 9.57	− 0 22.3	1.891	2.888	0.3	19.4
4 1	12 1.67	+ 0 11.5	1.905	2.892	3.8	19.7
4 11	11 54.60	+ 0 40.1	1.946	2.896	7.7	19.9
4 21	11 49.03	+ 0 59.8	2.012	2.900	11.2	20.1
5 1	11 45.44	+ 1 7.9	2.100	2.905	14.1	20.3

79970 1999 CJ_{135} 3 22.9 231.°85 0.°2/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.41	− 3 47.9	2.366	3.215	10.5	20.8
3 2	12 23.38	− 3 13.9	2.284	3.209	7.5	20.6
3 12	12 16.89	− 2 29.6	2.227	3.203	4.1	20.3
3 22	12 9.53	− 1 39.0	2.200	3.196	0.4	20.0
4 1	12 2.04	− 0 46.8	2.202	3.189	3.3	20.3
4 11	11 55.18	+ 0 1.7	2.232	3.182	6.9	20.5
4 21	11 49.57	+ 0 42.2	2.289	3.174	10.1	20.7
5 1	11 45.70	+ 1 11.5	2.369	3.167	12.9	20.8

456920 2007 XG_{43} 3 22.9 17.°26 4.°1/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.75	−12 34.1	1.422	2.262	16.8	21.0
3 2	12 25.79	−12 32.4	1.353	2.263	12.9	20.8
3 12	12 18.45	−12 6.8	1.305	2.265	8.5	20.5
3 22	12 9.66	−11 19.8	1.281	2.267	4.7	20.3
4 1	12 0.69	−10 17.2	1.283	2.270	5.2	20.3
4 11	11 52.84	− 9 8.4	1.310	2.273	9.2	20.6
4 21	11 47.13	− 8 2.8	1.360	2.276	13.5	20.8
5 1	11 44.18	− 7 8.1	1.431	2.280	17.3	21.1

381611 2008 WM_{74} 3 22.9 207.°88 0.°8/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.04	− 5 1.0	2.337	3.176	11.0	21.4
3 2	12 25.95	− 4 47.3	2.252	3.171	8.0	21.2
3 12	12 18.28	− 4 23.2	2.193	3.165	4.5	21.0
3 22	12 9.65	− 3 51.8	2.164	3.159	1.1	20.7
4 1	12 0.85	− 3 16.9	2.164	3.152	3.3	20.9
4 11	11 52.73	− 2 43.4	2.194	3.145	6.9	21.1
4 21	11 45.97	− 2 15.2	2.250	3.137	10.2	21.3
5 1	11 41.07	− 1 55.9	2.330	3.129	13.0	21.5

430907 2005 SF_{161} 3 22.9 313.°94 0.°5/22.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.07	+ 0 38.8	1.854	2.716	12.4	20.8
3 2	12 27.97	+ 0 30.6	1.751	2.683	8.9	20.5
3 12	12 19.64	+ 0 28.4	1.673	2.651	4.8	20.1
3 22	12 9.78	+ 0 29.0	1.622	2.618	0.6	19.7
4 1	11 59.38	+ 0 28.4	1.600	2.587	4.5	20.0
4 11	11 49.63	+ 0 22.5	1.606	2.555	9.1	20.2
4 21	11 41.53	+ 0 8.1	1.636	2.524	13.3	20.4
5 1	11 35.84	− 0 17.2	1.688	2.493	17.0	20.5

168950 2001 AA_{26} 3 22.9 348.°18 2.°3/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 36.76	+ 4 20.1	1.291	2.171	15.5	18.8
3 2	12 30.19	+ 4 16.9	1.226	2.167	11.0	18.5
3 12	12 20.87	+ 4 17.5	1.183	2.163	5.9	18.2
3 22	12 9.87	+ 4 16.4	1.165	2.160	2.3	18.0
4 1	11 58.67	+ 4 8.2	1.173	2.157	6.4	18.2
4 11	11 48.84	+ 3 48.3	1.207	2.155	11.5	18.5
4 21	11 41.50	+ 3 14.8	1.262	2.154	16.2	18.7
5 1	11 37.33	+ 2 27.4	1.336	2.153	20.0	19.0

501487 2014 CL_{6} 3 22.9 330.°41 5.°5/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.72	+13 51.7	2.169	3.048	10.1	20.9
3 2	12 22.96	+15 11.7	2.112	3.046	7.5	20.7
3 12	12 16.67	+16 28.7	2.082	3.044	5.7	20.6
3 22	12 9.52	+17 35.6	2.080	3.043	5.9	20.6
4 1	12 2.31	+18 26.2	2.106	3.041	8.0	20.7
4 11	11 55.86	+18 56.5	2.157	3.040	10.6	20.9
4 21	11 50.82	+19 5.4	2.231	3.038	13.2	21.0
5 1	11 47.63	+18 53.8	2.323	3.037	15.4	21.2

78875 2003 RH_{1} 3 22.9 146.°69 1.°2/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.54	− 1 3.3	1.758	2.622	12.9	19.9
3 2	12 25.86	+ 0 0.2	1.695	2.629	9.0	19.6
3 12	12 18.29	+ 1 15.0	1.657	2.636	4.7	19.4
3 22	12 9.65	+ 2 34.0	1.647	2.642	1.3	19.2
4 1	12 0.97	+ 3 49.1	1.665	2.648	5.0	19.4
4 11	11 53.27	+ 4 53.0	1.711	2.653	9.2	19.7
4 21	11 47.34	+ 5 40.6	1.782	2.658	13.0	19.9
5 1	11 43.68	+ 6 9.5	1.873	2.663	16.1	20.2

65572 3173 T_{-2} 3 22.9 88.°83 2.°4/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 36.07	+ 3 3.3	1.401	2.277	14.8	19.5
3 2	12 29.29	+ 3 38.9	1.352	2.291	10.3	19.3
3 12	12 20.17	+ 4 21.1	1.326	2.305	5.5	19.1
3 22	12 9.81	+ 5 2.5	1.326	2.319	2.5	18.9
4 1	11 59.53	+ 5 35.6	1.353	2.333	6.2	19.2
4 11	11 50.67	+ 5 54.6	1.406	2.347	10.8	19.5
4 21	11 44.12	+ 5 56.7	1.481	2.361	14.9	19.7
5 1	11 40.38	+ 5 41.4	1.576	2.374	18.3	20.0

281036 2006 HB_{22} 3 22.9 347.°18 5.°1/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.73	+11 25.8	1.744	2.624	12.1	20.7
3 2	12 26.06	+12 13.2	1.683	2.621	8.7	20.5
3 12	12 18.43	+12 58.5	1.648	2.619	5.8	20.3
3 22	12 9.68	+13 34.5	1.639	2.616	5.4	20.3
4 1	12 0.87	+13 54.9	1.657	2.614	7.9	20.4
4 11	11 53.07	+13 55.8	1.701	2.613	11.3	20.6
4 21	11 47.09	+13 36.6	1.767	2.612	14.6	20.8
5 1	11 43.44	+12 58.3	1.852	2.611	17.3	21.0

163684 2002 YX_{22} 3 22.9 128.°09 0.°2/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.92	− 2 31.5	2.739	3.585	9.4	21.0
3 2	12 23.46	− 1 53.3	2.676	3.601	6.6	20.8
3 12	12 16.83	− 1 7.6	2.640	3.616	3.5	20.6
3 22	12 9.56	− 0 18.1	2.635	3.631	0.3	20.4
4 1	12 2.30	+ 0 30.8	2.660	3.645	3.0	20.6
4 11	11 55.68	+ 1 15.0	2.714	3.659	6.1	20.9
4 21	11 50.21	+ 1 51.2	2.796	3.672	8.8	21.1
5 1	11 46.23	+ 2 17.2	2.902	3.685	11.1	21.2

430814 2005 EN_{188} 3 22.9 39.°53 1.°9/24.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 21.03	−20 48.2	0.725	1.589	25.8	20.7
3 2	12 19.84	−16 55.8	0.676	1.603	19.4	20.4
3 12	12 15.52	−11 47.6	0.647	1.619	11.5	20.0
3 22	12 9.46	− 5 50.1	0.641	1.635	3.2	19.6
4 1	12 3.51	+ 0 11.2	0.661	1.653	6.5	19.9
4 11	11 59.39	+ 5 29.5	0.706	1.672	14.2	20.4
4 21	11 58.13	+ 9 37.6	0.773	1.691	20.6	20.8
5 1	12 0.11	+12 30.1	0.856	1.711	25.5	21.2

417628 2006 WW_{171} 3 22.9 26.°20 9.°5/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.19	−27 28.6	1.517	2.279	19.5	20.6
3 2	12 24.04	−27 42.6	1.445	2.284	16.7	20.4
3 12	12 17.55	−27 20.6	1.391	2.290	13.6	20.2
3 22	12 9.63	−26 21.0	1.358	2.296	10.9	20.1
4 1	12 1.55	−24 47.5	1.348	2.303	9.6	20.0
4 11	11 54.60	−22 49.8	1.363	2.311	10.5	20.1
4 21	11 49.77	−20 40.7	1.401	2.318	13.1	20.2
5 1	11 47.67	−18 33.5	1.461	2.327	16.1	20.4

504126 2006 RY_{75} 3 22.9 139.°39 0.°0/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.97	− 4 17.8	2.547	3.394	9.9	22.0
3 2	12 22.23	− 3 24.4	2.476	3.401	7.0	21.8
3 12	12 16.23	− 2 20.9	2.433	3.408	3.8	21.6
3 22	12 9.52	− 1 11.7	2.418	3.414	0.3	21.4
4 1	12 2.78	− 0 2.0	2.434	3.420	3.1	21.6
4 11	11 56.66	+ 1 2.8	2.479	3.426	6.4	21.8
4 21	11 51.71	+ 1 58.4	2.551	3.432	9.4	22.0
5 1	11 48.31	+ 2 41.8	2.646	3.437	11.9	22.2

162761 2000 WG_{110} 3 22.9 116.°75 2.°4/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.58	− 9 51.3	1.818	2.648	14.1	20.6
3 2	12 27.91	− 9 30.8	1.758	2.667	10.4	20.4
3 12	12 19.36	− 8 53.1	1.722	2.687	6.4	20.2
3 22	12 9.78	− 8 1.7	1.714	2.705	2.7	20.0
4 1	12 0.25	− 7 2.6	1.735	2.723	3.9	20.1
4 11	11 51.79	− 6 3.0	1.783	2.740	7.8	20.4
4 21	11 45.18	− 5 9.3	1.858	2.756	11.4	20.7
5 1	11 40.89	− 4 26.5	1.955	2.772	14.6	20.9

147927 2006 VU_{129} 3 22.9 237.°04 0.°7/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.30	− 0 26.3	2.633	3.488	9.4	21.2
3 2	12 23.21	+ 0 10.7	2.547	3.477	6.6	21.0
3 12	12 16.79	+ 0 54.8	2.489	3.466	3.5	20.8
3 22	12 9.58	+ 1 42.2	2.459	3.455	0.7	20.6
4 1	12 2.23	+ 2 28.5	2.460	3.443	3.5	20.8
4 11	11 55.42	+ 3 9.1	2.489	3.431	6.7	21.0
4 21	11 49.74	+ 3 40.8	2.546	3.418	9.7	21.1
5 1	11 45.63	+ 4 1.0	2.625	3.405	12.2	21.3

166275 2002 GS_{94} 3 22.9 187.°81 0.°6/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.34	− 4 42.9	1.872	2.720	12.9	20.3
3 2	12 27.16	− 4 13.7	1.796	2.720	9.3	20.1
3 12	12 19.04	− 3 31.3	1.745	2.719	5.2	19.8
3 22	12 9.77	− 2 40.2	1.722	2.718	0.8	19.5
4 1	12 0.34	− 1 46.1	1.728	2.716	3.9	19.7
4 11	11 51.81	− 0 55.9	1.762	2.713	8.2	20.0
4 21	11 44.99	− 0 15.0	1.821	2.710	12.1	20.2
5 1	11 40.44	+ 0 12.9	1.902	2.706	15.4	20.4

243984 2001 RS_{57} 3 22.9 200.°40 0.°4/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.68	− 0 20.0	2.456	3.308	10.1	20.2
3 2	12 25.61	− 0 7.0	2.378	3.306	7.1	20.0
3 12	12 18.08	+ 0 12.1	2.326	3.303	3.8	19.8
3 22	12 9.69	+ 0 34.3	2.304	3.300	0.5	19.5
4 1	12 1.19	+ 0 55.7	2.312	3.297	3.5	19.7
4 11	11 53.36	+ 1 12.5	2.350	3.294	6.9	20.0
4 21	11 46.82	+ 1 22.0	2.413	3.290	10.0	20.1
5 1	11 42.04	+ 1 22.1	2.500	3.286	12.6	20.3

472482 2015 BC_{502} 3 22.9 240.°17 2.°9/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.44	+ 4 9.2	2.115	2.987	10.6	21.1
3 2	12 23.57	+ 5 31.0	2.038	2.977	7.4	20.9
3 12	12 17.08	+ 6 59.6	1.988	2.966	4.2	20.6
3 22	12 9.61	+ 8 28.0	1.967	2.955	3.1	20.5
4 1	12 1.97	+ 9 48.6	1.976	2.944	5.9	20.7
4 11	11 55.03	+10 54.8	2.012	2.933	9.3	20.9
4 21	11 49.48	+11 42.8	2.072	2.921	12.6	21.1
5 1	11 45.84	+12 10.7	2.153	2.908	15.3	21.2

352552 2008 CQ_{209} 3 22.9 278.°17 5.°9/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.50	+16 50.0	2.321	3.196	9.7	20.2
3 2	12 23.45	+18 2.7	2.267	3.194	7.5	20.0
3 12	12 16.93	+19 10.0	2.239	3.192	6.0	19.9
3 22	12 9.59	+20 5.3	2.239	3.190	6.3	20.0
4 1	12 2.21	+20 43.4	2.266	3.189	8.2	20.1
4 11	11 55.58	+21 1.2	2.319	3.187	10.6	20.2
4 21	11 50.30	+20 58.3	2.395	3.185	12.9	20.4
5 1	11 46.82	+20 35.9	2.489	3.184	14.9	20.5

234802 2002 QN_{78} 3 22.9 225.°07 1.°2/24.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.24	− 6 37.2	2.420	3.256	10.8	21.6
3 2	12 24.69	− 6 19.5	2.332	3.248	7.9	21.4
3 12	12 17.63	− 5 50.4	2.269	3.239	4.6	21.1
3 22	12 9.66	− 5 12.6	2.235	3.229	1.4	20.9
4 1	12 1.50	− 4 30.2	2.231	3.220	3.1	21.0
4 11	11 53.96	− 3 48.0	2.256	3.210	6.6	21.2
4 21	11 47.69	− 3 10.5	2.308	3.199	9.8	21.4
5 1	11 43.18	− 2 41.4	2.384	3.188	12.6	21.6

241332 2007 VH_{200} 3 22.9 142.°08 0.°3/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.99	− 2 10.3	2.248	3.103	10.8	21.4
3 2	12 23.80	− 1 36.6	2.177	3.106	7.6	21.2
3 12	12 17.13	− 0 53.8	2.131	3.108	4.0	21.0
3 22	12 9.61	− 0 6.3	2.115	3.111	0.4	20.7
4 1	12 2.03	+ 0 40.9	2.127	3.114	3.6	20.9
4 11	11 55.16	+ 1 22.7	2.169	3.116	7.2	21.2
4 21	11 49.64	+ 1 55.2	2.236	3.118	10.4	21.4
5 1	11 45.91	+ 2 15.8	2.325	3.120	13.2	21.6

10262 Samoilov 3 22.9 206.°25 3.°8/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.04	+ 9 36.7	2.213	3.080	10.5	17.1
3 2	12 27.41	+10 18.1	2.142	3.075	7.5	16.9
3 12	12 19.09	+10 59.2	2.097	3.069	4.7	16.7
3 22	12 9.79	+11 34.4	2.082	3.063	4.0	16.7
4 1	12 0.39	+11 58.6	2.096	3.057	6.3	16.8
4 11	11 51.80	+12 8.1	2.139	3.050	9.4	17.0
4 21	11 44.72	+12 1.7	2.205	3.042	12.3	17.2
5 1	11 39.66	+11 39.4	2.293	3.034	14.9	17.3

500576 2012 UP_{81} 3 22.9 195.°66 4.°7/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.43	+16 29.1	2.966	3.829	8.2	22.7
3 2	12 24.55	+17 25.7	2.903	3.826	6.2	22.6
3 12	12 17.45	+18 18.0	2.869	3.822	4.9	22.5
3 22	12 9.66	+19 1.0	2.864	3.817	5.0	22.5
4 1	12 1.83	+19 30.9	2.889	3.812	6.6	22.6
4 11	11 54.59	+19 45.1	2.941	3.807	8.7	22.7
4 21	11 48.47	+19 43.1	3.018	3.800	10.7	22.9
5 1	11 43.86	+19 25.6	3.114	3.794	12.4	23.0

31740 1999 JW_{77} 3 22.9 335.°51 0.°5/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.29	− 5 56.6	2.067	2.918	11.8	18.6
3 2	12 22.06	− 5 2.1	1.990	2.915	8.4	18.4
3 12	12 16.27	− 3 53.3	1.938	2.912	4.7	18.2
3 22	12 9.57	− 2 35.2	1.913	2.909	0.8	17.9
4 1	12 2.74	− 1 14.4	1.918	2.907	3.5	18.1
4 11	11 56.64	+ 0 1.9	1.951	2.905	7.5	18.3
4 21	11 51.91	+ 1 7.9	2.010	2.902	11.0	18.5
5 1	11 49.05	+ 1 59.2	2.091	2.900	14.0	18.7

125826 2001 XU_{173} 3 22.9 190.°18 0.°4/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.92	− 4 50.6	2.411	3.252	10.7	20.6
3 2	12 25.13	− 4 15.1	2.330	3.251	7.7	20.4
3 12	12 17.85	− 3 28.8	2.276	3.249	4.2	20.2
3 22	12 9.71	− 2 35.4	2.250	3.246	0.7	19.9
4 1	12 1.44	− 1 39.8	2.255	3.243	3.2	20.1
4 11	11 53.84	− 0 47.2	2.290	3.239	6.8	20.4
4 21	11 47.54	− 0 2.2	2.351	3.234	10.0	20.6
5 1	11 43.01	+ 0 31.9	2.436	3.229	12.7	20.7

88694 2001 RH_{139} 3 22.9 359.°27 0.°5/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.26	− 2 11.5	1.516	2.386	14.2	19.5
3 2	12 25.29	− 1 35.6	1.449	2.385	10.1	19.2
3 12	12 18.16	− 0 46.6	1.406	2.385	5.3	19.0
3 22	12 9.74	+ 0 9.6	1.388	2.384	0.5	18.6
4 1	12 1.18	+ 1 5.2	1.397	2.384	4.9	18.9
4 11	11 53.67	+ 1 52.5	1.432	2.385	9.7	19.2
4 21	11 48.12	+ 2 26.0	1.490	2.386	13.9	19.4
5 1	11 45.09	+ 2 42.2	1.568	2.387	17.5	19.7

270594 2002 LQ_{51} 3 22.9 278.°44 0.°7/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.63	− 6 11.3	2.070	2.917	11.9	20.9
3 2	12 23.88	− 5 24.4	1.970	2.892	8.7	20.7
3 12	12 17.36	− 4 21.9	1.894	2.868	4.9	20.4
3 22	12 9.68	− 3 7.9	1.847	2.842	0.9	20.0
4 1	12 1.68	− 1 48.7	1.828	2.817	3.7	20.2
4 11	11 54.27	− 0 31.6	1.838	2.791	7.9	20.4
4 21	11 48.27	+ 0 36.8	1.874	2.765	11.7	20.6
5 1	11 44.26	+ 1 31.2	1.932	2.739	15.1	20.8

409117 2003 TD_{56} 3 22.9 189.°50 2.°1/20.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.22	+ 1 13.4	1.728	2.598	12.7	21.8
3 2	12 25.76	+ 2 22.8	1.660	2.598	8.9	21.6
3 12	12 18.34	+ 3 42.1	1.617	2.597	4.7	21.3
3 22	12 9.76	+ 5 3.7	1.602	2.596	2.2	21.1
4 1	12 1.06	+ 6 19.1	1.616	2.594	5.7	21.4
4 11	11 53.30	+ 7 20.7	1.656	2.592	9.9	21.6
4 21	11 47.32	+ 8 3.9	1.720	2.590	13.7	21.8
5 1	11 43.66	+ 8 26.4	1.804	2.587	16.9	22.0

120585 1995 SA_{24} 3 22.9 36.°46 1.°1/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.08	− 0 52.6	1.677	2.548	13.0	19.8
3 2	12 24.24	− 0 0.9	1.615	2.552	9.1	19.6
3 12	12 17.50	+ 1 1.8	1.578	2.557	4.7	19.3
3 22	12 9.69	+ 2 8.9	1.567	2.562	1.1	19.1
4 1	12 1.81	+ 3 12.7	1.583	2.568	4.9	19.4
4 11	11 54.91	+ 4 6.0	1.627	2.573	9.2	19.6
4 21	11 49.77	+ 4 44.0	1.694	2.579	13.1	19.9
5 1	11 46.88	+ 5 4.0	1.781	2.585	16.3	20.1

487496 2014 SE_{288} 3 22.9 160.°36 0.°6/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 20.18	+ 2 3.0	6.461	7.315	4.2	23.4
3 2	12 16.95	+ 2 31.0	6.390	7.320	2.9	23.3
3 12	12 13.26	+ 3 0.9	6.348	7.325	1.5	23.2
3 22	12 9.34	+ 3 31.1	6.336	7.330	0.6	23.1
4 1	12 5.40	+ 4 0.0	6.357	7.335	1.7	23.3
4 11	12 1.66	+ 4 26.2	6.407	7.340	3.1	23.4
4 21	11 58.34	+ 4 48.5	6.487	7.345	4.3	23.5
5 1	11 55.59	+ 5 5.9	6.591	7.349	5.5	23.6

374097 2004 RZ_{256} 3 22.9 167.°77 1.°0/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.12	− 0 42.7	2.123	2.982	11.2	21.8
3 2	12 24.68	+ 0 6.3	2.053	2.985	7.8	21.6
3 12	12 17.65	+ 1 4.2	2.009	2.988	4.1	21.4
3 22	12 9.71	+ 2 5.7	1.994	2.990	1.0	21.1
4 1	12 1.70	+ 3 4.8	2.009	2.992	4.2	21.4
4 11	11 54.46	+ 3 55.7	2.051	2.993	7.9	21.6
4 21	11 48.67	+ 4 34.3	2.119	2.994	11.3	21.8
5 1	11 44.79	+ 4 58.2	2.209	2.995	14.1	22.0

110402 2001 TL_{12} 3 22.9 167.°40 1.°8/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.66	+ 2 16.1	2.181	3.043	10.8	20.5
3 2	12 25.71	+ 3 4.5	2.113	3.047	7.5	20.3
3 12	12 18.18	+ 3 58.8	2.073	3.051	4.0	20.1
3 22	12 9.76	+ 4 53.9	2.061	3.054	1.8	19.9
4 1	12 1.27	+ 5 43.8	2.079	3.057	4.7	20.1
4 11	11 53.58	+ 6 23.6	2.126	3.059	8.2	20.3
4 21	11 47.36	+ 6 50.0	2.198	3.061	11.4	20.5
5 1	11 43.05	+ 7 1.5	2.291	3.062	14.1	20.7

137054 1998 VB_{34} 3 22.9 29.°55 6.°4/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.81	+11 2.5	1.166	2.063	15.4	18.7
3 2	12 26.55	+12 3.8	1.131	2.077	11.1	18.4
3 12	12 18.81	+13 1.5	1.119	2.093	7.4	18.3
3 22	12 9.80	+13 45.0	1.130	2.110	6.7	18.3
4 1	12 1.00	+14 6.3	1.165	2.127	9.8	18.5
4 11	11 53.79	+14 1.3	1.223	2.146	13.8	18.8
4 21	11 49.04	+13 31.1	1.300	2.166	17.5	19.1
5 1	11 47.18	+12 38.8	1.394	2.186	20.6	19.3

24115 1999 VH_{24} 3 22.9 218.°22 0.°1/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.98	− 4 43.8	1.869	2.721	12.8	18.6
3 2	12 25.56	− 3 50.9	1.788	2.714	9.1	18.3
3 12	12 18.25	− 2 43.0	1.732	2.707	5.0	18.1
3 22	12 9.77	− 1 25.5	1.703	2.699	0.5	17.7
4 1	12 1.09	− 0 5.8	1.704	2.691	4.1	18.0
4 11	11 53.22	+ 1 8.2	1.732	2.682	8.5	18.2
4 21	11 46.99	+ 2 10.1	1.786	2.673	12.4	18.4
5 1	11 42.97	+ 2 55.5	1.861	2.663	15.8	18.6

317811 2003 SR_{231} 3 22.9 157.°84 1.°9/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.21	+ 1 55.3	1.949	2.812	11.8	21.9
3 2	12 26.92	+ 2 49.6	1.886	2.820	8.2	21.7
3 12	12 18.87	+ 3 51.0	1.848	2.827	4.3	21.5
3 22	12 9.82	+ 4 53.2	1.840	2.833	2.0	21.3
4 1	12 0.73	+ 5 49.5	1.861	2.839	5.1	21.5
4 11	11 52.57	+ 6 34.1	1.909	2.844	8.9	21.8
4 21	11 46.07	+ 7 3.6	1.983	2.848	12.4	22.0
5 1	11 41.72	+ 7 16.3	2.078	2.851	15.2	22.2

459587 2013 GW_{126} 3 22.9 346.°84 3.°7/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.88	+ 4 39.1	1.382	2.268	14.3	21.0
3 2	12 25.88	+ 5 45.6	1.321	2.266	10.0	20.7
3 12	12 18.53	+ 6 59.4	1.284	2.264	5.6	20.5
3 22	12 9.80	+ 8 10.9	1.272	2.262	3.9	20.4
4 1	12 0.93	+ 9 10.6	1.286	2.261	7.5	20.6
4 11	11 53.24	+ 9 50.7	1.325	2.260	12.0	20.8
4 21	11 47.69	+10 7.6	1.385	2.259	16.1	21.0
5 1	11 44.86	+10 0.9	1.463	2.258	19.6	21.3

290580 2005 UY_{149} 3 22.9 234.°31 0.°7/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.66	− 1 0.5	1.933	2.793	12.1	21.6
3 2	12 25.99	− 0 26.2	1.853	2.785	8.5	21.3
3 12	12 18.46	+ 0 17.9	1.799	2.777	4.5	21.1
3 22	12 9.79	+ 1 6.9	1.772	2.769	0.7	20.8
4 1	12 0.93	+ 1 54.9	1.775	2.760	4.4	21.0
4 11	11 52.88	+ 2 35.8	1.805	2.751	8.5	21.3
4 21	11 46.42	+ 3 5.1	1.860	2.742	12.3	21.5
5 1	11 42.13	+ 3 20.1	1.937	2.732	15.4	21.7

305739 2009 CH_{55} 3 22.9 69.°97 1.°9/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.43	+ 0 23.2	1.334	2.211	15.3	20.9
3 2	12 27.46	+ 1 22.1	1.292	2.232	10.6	20.7
3 12	12 19.23	+ 2 31.2	1.274	2.254	5.5	20.4
3 22	12 9.85	+ 3 41.9	1.281	2.276	1.9	20.3
4 1	12 0.64	+ 4 44.8	1.315	2.297	6.0	20.6
4 11	11 52.86	+ 5 32.0	1.374	2.319	10.7	20.9
4 21	11 47.35	+ 5 59.7	1.455	2.340	14.8	21.2
5 1	11 44.56	+ 6 6.7	1.556	2.361	18.2	21.5

467649 2008 SN_{211} 3 22.9 172.°45 8.°2/11.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.05	+27 37.0	2.538	3.384	10.0	21.3
3 2	12 26.58	+28 55.7	2.500	3.387	8.7	21.2
3 12	12 18.60	+30 1.1	2.487	3.390	8.2	21.2
3 22	12 9.80	+30 47.0	2.502	3.392	8.8	21.2
4 1	12 1.03	+31 9.3	2.542	3.394	10.2	21.3
4 11	11 53.11	+31 6.8	2.606	3.395	11.9	21.5
4 21	11 46.69	+30 41.1	2.690	3.396	13.6	21.6
5 1	11 42.18	+29 55.3	2.792	3.396	15.0	21.7

88690 2001 RL_{127} 3 22.9 96.°64 2.°7/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.57	+ 3 51.3	1.701	2.576	12.6	19.8
3 2	12 25.97	+ 4 43.9	1.642	2.581	8.8	19.5
3 12	12 18.43	+ 5 42.2	1.607	2.586	4.8	19.3
3 22	12 9.79	+ 6 39.3	1.600	2.591	2.8	19.2
4 1	12 1.12	+ 7 27.9	1.620	2.596	6.0	19.4
4 11	11 53.46	+ 8 2.2	1.667	2.601	10.0	19.6
4 21	11 47.62	+ 8 18.8	1.737	2.605	13.6	19.9
5 1	11 44.11	+ 8 17.1	1.827	2.610	16.7	20.1

374928 2006 YB_{25} 3 22.9 351.°24 5.°3/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.28	+10 0.8	1.543	2.429	13.1	20.0
3 2	12 25.97	+11 6.8	1.485	2.427	9.4	19.8
3 12	12 18.51	+12 12.8	1.452	2.425	6.1	19.6
3 22	12 9.81	+13 10.0	1.445	2.424	5.6	19.6
4 1	12 1.02	+13 50.2	1.464	2.423	8.5	19.7
4 11	11 53.35	+14 8.1	1.507	2.422	12.2	19.9
4 21	11 47.66	+14 2.4	1.572	2.422	15.8	20.2
5 1	11 44.50	+13 34.3	1.655	2.422	18.8	20.4

327895 2007 BO_{59} 3 22.9 89.°36 0.°7/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.21	− 6 0.6	1.758	2.608	13.5	21.1
3 2	12 25.60	− 5 18.1	1.701	2.626	9.7	20.9
3 12	12 18.17	− 4 20.8	1.670	2.643	5.4	20.7
3 22	12 9.78	− 3 14.3	1.665	2.661	1.1	20.4
4 1	12 1.42	− 2 5.6	1.689	2.678	3.9	20.6
4 11	11 54.10	− 1 2.1	1.740	2.695	8.1	20.9
4 21	11 48.54	− 0 9.8	1.817	2.711	11.9	21.2
5 1	11 45.21	+ 0 27.7	1.915	2.727	15.0	21.4

375964 2009 WW_{203} 3 22.9 61.°65 5.°9/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.75	+13 33.7	1.797	2.677	11.8	20.5
3 2	12 26.02	+14 38.8	1.746	2.681	8.7	20.3
3 12	12 18.42	+15 39.8	1.720	2.685	6.3	20.2
3 22	12 9.81	+16 28.9	1.722	2.690	6.3	20.2
4 1	12 1.20	+16 59.5	1.750	2.694	8.6	20.4
4 11	11 53.63	+17 8.2	1.803	2.699	11.7	20.5
4 21	11 47.84	+16 54.6	1.878	2.704	14.6	20.7
5 1	11 44.31	+16 20.6	1.972	2.708	17.1	20.9

517539 2014 SV_{215} 3 22.9 245.°41 2.°8/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.96	+ 3 42.7	1.837	2.708	12.1	21.4
3 2	12 26.35	+ 4 48.2	1.755	2.693	8.5	21.2
3 12	12 18.73	+ 6 1.7	1.699	2.677	4.7	20.9
3 22	12 9.85	+ 7 15.8	1.670	2.661	3.0	20.7
4 1	12 0.69	+ 8 22.5	1.671	2.644	6.2	20.9
4 11	11 52.33	+ 9 14.9	1.698	2.627	10.2	21.1
4 21	11 45.65	+ 9 48.6	1.750	2.609	14.0	21.3
5 1	11 41.27	+10 1.8	1.821	2.591	17.2	21.5

366399 2001 RJ_{41} 3 22.9 191.°22 1.°3/24.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.16	− 7 11.2	2.311	3.143	11.4	22.4
3 2	12 26.09	− 6 49.1	2.228	3.141	8.3	22.2
3 12	12 18.43	− 6 14.6	2.171	3.139	4.9	22.0
3 22	12 9.82	− 5 30.6	2.143	3.136	1.6	21.7
4 1	12 1.06	− 4 41.6	2.144	3.133	3.2	21.9
4 11	11 52.99	− 3 53.0	2.176	3.129	6.8	22.1
4 21	11 46.32	− 3 9.6	2.234	3.124	10.1	22.3
5 1	11 41.52	− 2 35.3	2.315	3.118	13.0	22.5

280165 2002 QX_{90} 3 22.9 192.°50 3.°4/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.38	+ 4 10.2	1.568	2.442	13.5	21.2
3 2	12 28.18	+ 5 20.8	1.502	2.441	9.5	20.9
3 12	12 19.73	+ 6 38.8	1.461	2.440	5.3	20.7
3 22	12 9.93	+ 7 55.5	1.448	2.437	3.5	20.6
4 1	11 59.99	+ 9 1.6	1.462	2.434	7.0	20.8
4 11	11 51.15	+ 9 49.9	1.502	2.431	11.3	21.0
4 21	11 44.35	+10 16.4	1.565	2.426	15.3	21.2
5 1	11 40.18	+10 20.5	1.647	2.421	18.6	21.5

465899 2010 UX_{89} 3 22.9 55.°69 6.°2/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 37.82	+13 16.2	1.416	2.296	14.4	20.9
3 2	12 30.35	+13 54.5	1.384	2.320	10.4	20.7
3 12	12 20.68	+14 26.1	1.376	2.344	7.1	20.6
3 22	12 9.99	+14 43.2	1.394	2.369	6.4	20.6
4 1	11 59.66	+14 40.5	1.438	2.394	9.0	20.8
4 11	11 50.93	+14 16.2	1.507	2.419	12.4	21.0
4 21	11 44.58	+13 32.0	1.597	2.444	15.7	21.3
5 1	11 41.01	+12 31.1	1.706	2.469	18.4	21.6

281413 2008 RX_{108} 3 22.9 113.°95 0.°1/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.15	− 3 59.8	2.000	2.854	12.0	21.3
3 2	12 24.07	− 3 14.3	1.932	2.860	8.5	21.1
3 12	12 17.37	− 2 16.9	1.890	2.866	4.6	20.9
3 22	12 9.73	− 1 12.4	1.875	2.872	0.4	20.5
4 1	12 2.03	− 0 7.3	1.890	2.877	3.8	20.8
4 11	11 55.15	+ 0 52.0	1.932	2.882	7.7	21.1
4 21	11 49.78	+ 1 40.3	2.000	2.888	11.2	21.3
5 1	11 46.38	+ 2 14.4	2.090	2.893	14.2	21.5

100898 1998 JG_4 3 22.9 313.°95 0.°4/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.21	− 4 37.9	1.351	2.221	15.5	19.5
3 2	12 24.95	− 4 1.3	1.270	2.205	11.3	19.2
3 12	12 18.21	− 3 5.7	1.212	2.190	6.2	18.9
3 22	12 9.82	− 1 56.9	1.178	2.174	0.8	18.5
4 1	12 1.04	− 0 43.5	1.170	2.159	5.0	18.7
4 11	11 53.26	+ 0 24.2	1.187	2.145	10.5	19.0
4 21	11 47.60	+ 1 17.7	1.225	2.131	15.5	19.2
5 1	11 44.79	+ 1 51.5	1.283	2.118	19.7	19.5

90017 2002 TW_{266} 3 22.9 155.°10 2.°0/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 35.65	+ 1 34.7	1.702	2.566	13.2	20.4
3 2	12 28.85	+ 2 26.4	1.640	2.575	9.2	20.1
3 12	12 19.98	+ 3 26.2	1.604	2.583	4.8	19.9
3 22	12 9.96	+ 4 27.4	1.596	2.590	2.0	19.7
4 1	11 59.90	+ 5 22.3	1.617	2.596	5.5	20.0
4 11	11 50.95	+ 6 4.6	1.665	2.602	9.8	20.2
4 21	11 43.96	+ 6 30.3	1.737	2.607	13.6	20.5
5 1	11 39.44	+ 6 38.1	1.830	2.611	16.7	20.7

368944 2006 WV_{166} 3 22.9 257.°29 1.°8/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.93	+ 1 18.1	1.825	2.692	12.3	21.7
3 2	12 26.36	+ 2 6.0	1.740	2.676	8.7	21.4
3 12	12 18.76	+ 3 3.2	1.680	2.659	4.6	21.1
3 22	12 9.87	+ 4 3.7	1.648	2.642	1.8	20.9
4 1	12 0.69	+ 5 0.4	1.644	2.625	5.3	21.1
4 11	11 52.31	+ 5 46.5	1.668	2.607	9.6	21.3
4 21	11 45.59	+ 6 17.2	1.716	2.589	13.5	21.5
5 1	11 41.18	+ 6 30.1	1.784	2.571	16.9	21.7

466169 2012 JJ_{24} 3 22.9 328.°94 3.°7/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 26.45	+ 2 53.2	1.549	2.433	13.0	20.0
3 2	12 22.61	+ 4 48.9	1.482	2.427	9.0	19.8
3 12	12 16.76	+ 6 56.3	1.441	2.421	5.1	19.5
3 22	12 9.70	+ 9 4.2	1.427	2.415	4.0	19.5
4 1	12 2.46	+11 0.6	1.441	2.410	7.5	19.6
4 11	11 56.17	+12 35.3	1.480	2.404	11.8	19.9
4 21	11 51.66	+13 42.6	1.541	2.400	15.6	20.1
5 1	11 49.51	+14 21.0	1.621	2.395	18.8	20.3

433094 2012 TL_{90} 3 22.9 23.°42 3.°2/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.89	+ 7 16.2	1.961	2.834	11.3	20.7
3 2	12 26.02	+ 7 46.8	1.898	2.836	7.9	20.5
3 12	12 18.41	+ 8 18.7	1.862	2.838	4.6	20.3
3 22	12 9.83	+ 8 46.3	1.853	2.840	3.3	20.2
4 1	12 1.22	+ 9 4.6	1.872	2.843	5.9	20.4
4 11	11 53.50	+ 9 9.7	1.918	2.845	9.4	20.6
4 21	11 47.41	+ 9 0.1	1.989	2.848	12.6	20.8
5 1	11 43.42	+ 8 35.5	2.080	2.851	15.3	21.0

267482 2002 GT_{72} 3 22.9 293.°02 2.°4/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.63	+ 3 8.0	1.808	2.682	12.0	20.2
3 2	12 24.71	+ 4 0.3	1.728	2.667	8.4	19.9
3 12	12 17.86	+ 5 0.2	1.673	2.653	4.6	19.6
3 22	12 9.80	+ 6 1.3	1.646	2.638	2.5	19.5
4 1	12 1.50	+ 6 56.0	1.647	2.624	5.8	19.6
4 11	11 54.01	+ 7 38.1	1.674	2.609	9.8	19.8
4 21	11 48.15	+ 8 3.2	1.724	2.595	13.6	20.0
5 1	11 44.52	+ 8 9.6	1.795	2.581	16.8	20.2

504188 2006 TQ_{37} 3 22.9 168.°37 0.°9/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.55	+ 0 58.1	3.097	3.949	8.2	22.6
3 2	12 23.19	+ 1 32.7	3.025	3.954	5.7	22.4
3 12	12 16.74	+ 2 12.0	2.981	3.958	3.0	22.3
3 22	12 9.70	+ 2 52.7	2.967	3.962	0.9	22.1
4 1	12 2.61	+ 3 31.1	2.984	3.965	3.2	22.3
4 11	11 56.04	+ 4 3.9	3.031	3.967	5.9	22.5
4 21	11 50.47	+ 4 28.6	3.105	3.969	8.4	22.6
5 1	11 46.24	+ 4 43.5	3.203	3.971	10.5	22.8

353685 2011 UY_{304} 3 22.9 280.°83 3.°6/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.66	−12 16.8	1.440	2.280	16.6	20.7
3 2	12 25.92	−11 56.9	1.356	2.268	12.7	20.4
3 12	12 18.71	−11 11.6	1.293	2.256	8.3	20.1
3 22	12 9.88	−10 3.3	1.255	2.244	4.2	19.8
4 1	12 0.66	− 8 39.0	1.243	2.232	4.9	19.8
4 11	11 52.43	− 7 8.9	1.256	2.220	9.5	20.1
4 21	11 46.28	− 5 44.0	1.293	2.208	14.2	20.3
5 1	11 42.95	− 4 32.9	1.350	2.196	18.3	20.5

20159 1996 TM_{28} 3 22.9 282.°11 4.°6/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.41	+ 7 50.0	1.480	2.363	13.7	18.5
3 2	12 27.72	+ 8 47.0	1.408	2.350	9.8	18.2
3 12	12 19.61	+ 9 47.5	1.360	2.336	5.9	18.0
3 22	12 9.95	+10 42.7	1.338	2.323	4.9	17.9
4 1	12 0.02	+11 23.7	1.342	2.309	8.1	18.0
4 11	11 51.15	+11 44.0	1.370	2.296	12.4	18.2
4 21	11 44.40	+11 41.2	1.421	2.283	16.5	18.4
5 1	11 40.42	+11 15.4	1.489	2.269	20.0	18.6

465712 2009 UU_{38} 3 22.9 185.°37 0.°2/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.38	− 3 10.2	2.156	3.008	11.3	22.4
3 2	12 24.90	− 2 27.5	2.081	3.008	8.0	22.1
3 12	12 17.82	− 1 33.9	2.031	3.007	4.3	21.9
3 22	12 9.80	− 0 34.3	2.010	3.007	0.3	21.6
4 1	12 1.67	+ 0 25.8	2.019	3.005	3.7	21.9
4 11	11 54.28	+ 1 20.4	2.056	3.004	7.5	22.1
4 21	11 48.32	+ 2 4.7	2.120	3.002	11.0	22.3
5 1	11 44.28	+ 2 35.7	2.205	2.999	13.9	22.5

178439 1998 WF_{41} 3 22.9 74.°95 1.°9/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.69	+ 1 50.4	1.586	2.456	13.7	20.5
3 2	12 28.05	+ 2 32.3	1.545	2.482	9.5	20.3
3 12	12 19.47	+ 3 20.9	1.529	2.508	4.9	20.1
3 22	12 9.93	+ 4 9.4	1.540	2.534	1.9	20.0
4 1	12 0.59	+ 4 51.0	1.579	2.560	5.4	20.3
4 11	11 52.54	+ 5 20.0	1.645	2.586	9.6	20.6
4 21	11 46.53	+ 5 33.7	1.734	2.611	13.2	20.9
5 1	11 42.97	+ 5 31.1	1.844	2.636	16.2	21.1

258219 2001 TW_{33} 3 22.9 109.°27 6.°5/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.08	−22 43.4	1.968	2.735	15.5	20.3
3 2	12 25.59	−22 43.8	1.895	2.747	12.7	20.1
3 12	12 18.25	−22 18.3	1.844	2.760	9.8	20.0
3 22	12 9.84	−21 27.4	1.818	2.772	7.4	19.8
4 1	12 1.35	−20 15.0	1.818	2.783	6.6	19.8
4 11	11 53.79	−18 48.5	1.845	2.794	8.1	19.9
4 21	11 47.93	−17 16.5	1.898	2.806	10.7	20.1
5 1	11 44.30	−15 47.7	1.975	2.816	13.5	20.3

375786 2009 SZ_{296} 3 22.9 205.°63 1.°5/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.70	− 6 23.1	2.201	3.034	11.8	21.3
3 2	12 28.00	− 6 24.7	2.115	3.029	8.7	21.1
3 12	12 19.52	− 6 15.0	2.056	3.024	5.1	20.9
3 22	12 9.96	− 5 56.3	2.025	3.018	1.8	20.7
4 1	12 0.19	− 5 32.1	2.024	3.012	3.5	20.8
4 11	11 51.15	− 5 7.0	2.052	3.005	7.2	21.0
4 21	11 43.61	− 4 45.2	2.107	2.998	10.6	21.2
5 1	11 38.12	− 4 30.6	2.185	2.990	13.6	21.4

436719 2011 UB_{105} 3 22.9 266.°45 1.°4/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.90	+ 2 6.6	2.413	3.274	9.9	21.7
3 2	12 24.51	+ 2 35.0	2.326	3.259	7.0	21.5
3 12	12 17.61	+ 3 8.8	2.266	3.244	3.7	21.3
3 22	12 9.80	+ 3 44.0	2.235	3.229	1.4	21.1
4 1	12 1.81	+ 4 16.0	2.234	3.214	4.1	21.3
4 11	11 54.41	+ 4 40.8	2.261	3.199	7.5	21.4
4 21	11 48.27	+ 4 55.2	2.314	3.184	10.7	21.6
5 1	11 43.86	+ 4 57.5	2.390	3.168	13.4	21.8

273285 2006 RD_{58} 3 22.9 181.°99 0.°5/22.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.89	− 1 22.9	1.874	2.731	12.5	21.7
3 2	12 27.57	− 0 57.6	1.802	2.731	8.9	21.5
3 12	12 19.33	− 0 22.6	1.755	2.732	4.7	21.2
3 22	12 9.95	+ 0 17.4	1.735	2.732	0.5	20.9
4 1	12 0.45	+ 0 56.7	1.745	2.731	4.3	21.2
4 11	11 51.86	+ 1 29.7	1.783	2.730	8.5	21.4
4 21	11 45.00	+ 1 52.1	1.846	2.729	12.3	21.6
5 1	11 40.40	+ 2 1.2	1.930	2.727	15.4	21.9

224334 2005 UX_{60} 3 22.9 90.°91 3.°1/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.87	+ 5 51.7	1.781	2.655	12.2	20.6
3 2	12 26.79	+ 6 35.0	1.727	2.665	8.5	20.4
3 12	12 18.85	+ 7 21.2	1.697	2.675	4.8	20.2
3 22	12 9.91	+ 8 3.9	1.696	2.685	3.2	20.1
4 1	12 0.98	+ 8 36.8	1.722	2.695	6.1	20.3
4 11	11 53.11	+ 8 55.2	1.775	2.704	9.8	20.5
4 21	11 47.02	+ 8 57.2	1.852	2.714	13.2	20.8
5 1	11 43.21	+ 8 42.5	1.948	2.723	16.1	21.0

102615 1999 VJ_{21} 3 22.9 107.°01 0.°4/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.93	− 4 57.5	1.743	2.595	13.6	20.4
3 2	12 26.83	− 4 14.1	1.687	2.613	9.7	20.2
3 12	12 18.87	− 3 16.8	1.656	2.631	5.3	19.9
3 22	12 9.91	− 2 11.4	1.652	2.648	0.7	19.6
4 1	12 1.00	− 1 5.0	1.677	2.665	4.0	19.9
4 11	11 53.16	− 0 4.9	1.730	2.682	8.3	20.2
4 21	11 47.16	+ 0 43.3	1.807	2.697	12.1	20.5
5 1	11 43.44	+ 1 16.3	1.906	2.713	15.3	20.7

252919 2002 NY_{21} 3 22.9 217.°80 3.°4/26.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.24	−12 36.7	1.907	2.727	13.9	20.8
3 2	12 26.53	−12 25.5	1.820	2.721	10.7	20.5
3 12	12 18.85	−11 55.0	1.757	2.714	7.1	20.3
3 22	12 9.92	−11 7.1	1.721	2.707	3.9	20.1
4 1	12 0.74	−10 6.5	1.713	2.699	4.3	20.1
4 11	11 52.37	− 9 0.3	1.732	2.691	7.8	20.3
4 21	11 45.66	− 7 55.8	1.778	2.682	11.5	20.5
5 1	11 41.22	− 6 59.6	1.846	2.673	14.9	20.7

119359 2001 SN_{242} 3 22.9 258.°03 0.°6/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.36	− 2 1.3	1.774	2.637	12.8	20.5
3 2	12 25.22	− 1 16.0	1.697	2.630	9.1	20.3
3 12	12 18.14	− 0 18.4	1.644	2.623	4.8	20.0
3 22	12 9.87	+ 0 45.8	1.619	2.615	0.7	19.7
4 1	12 1.40	+ 1 49.3	1.622	2.608	4.6	19.9
4 11	11 53.79	+ 2 45.0	1.652	2.601	9.0	20.2
4 21	11 47.87	+ 3 27.4	1.707	2.593	12.9	20.4
5 1	11 44.21	+ 3 53.0	1.782	2.586	16.3	20.6

292018 2006 QG_{149} 3 22.9 90.°19 1.°5/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.40	+ 1 37.3	2.248	3.113	10.4	20.7
3 2	12 23.40	+ 2 25.1	2.186	3.121	7.2	20.5
3 12	12 16.97	+ 3 19.0	2.150	3.129	3.8	20.3
3 22	12 9.76	+ 4 13.9	2.143	3.137	1.6	20.1
4 1	12 2.52	+ 5 4.3	2.166	3.145	4.3	20.4
4 11	11 56.02	+ 5 45.5	2.216	3.153	7.7	20.6
4 21	11 50.86	+ 6 14.0	2.292	3.161	10.8	20.8
5 1	11 47.45	+ 6 28.4	2.389	3.169	13.3	21.0

310271 2011 UA_{50} 3 22.9 113.°15 1.°0/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.66	− 0 55.5	1.668	2.530	13.6	21.4
3 2	12 28.11	− 0 11.9	1.615	2.547	9.5	21.2
3 12	12 19.57	+ 0 41.7	1.586	2.564	5.0	21.0
3 22	12 9.98	+ 1 39.2	1.584	2.580	1.0	20.7
4 1	12 0.45	+ 2 33.2	1.612	2.596	4.8	21.0
4 11	11 52.09	+ 3 17.3	1.666	2.611	9.2	21.3
4 21	11 45.67	+ 3 47.0	1.745	2.626	13.0	21.6
5 1	11 41.68	+ 4 0.5	1.844	2.640	16.1	21.8

74745 1999 RZ_{191} 3 22.9 270.°05 8.°1/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.15	+17 37.0	1.728	2.603	12.4	19.6
3 2	12 28.18	+19 14.6	1.651	2.578	9.8	19.4
3 12	12 19.88	+20 47.9	1.600	2.551	8.2	19.2
3 22	12 10.03	+22 6.0	1.576	2.524	8.8	19.2
4 1	11 59.80	+22 59.5	1.578	2.497	11.3	19.3
4 11	11 50.44	+23 22.7	1.603	2.469	14.6	19.4
4 21	11 43.00	+23 14.9	1.649	2.440	17.8	19.5
5 1	11 38.19	+22 38.8	1.710	2.411	20.6	19.7

192527 1998 ST_{17} 3 22.9 185.°85 1.°1/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.47	− 1 28.7	1.724	2.585	13.2	21.1
3 2	12 27.41	− 0 30.8	1.653	2.585	9.3	20.9
3 12	12 19.30	+ 0 39.4	1.607	2.585	4.9	20.6
3 22	12 9.97	+ 1 55.3	1.588	2.584	1.1	20.3
4 1	12 0.49	+ 3 8.8	1.598	2.582	5.0	20.6
4 11	11 51.99	+ 4 12.0	1.636	2.580	9.4	20.9
4 21	11 45.33	+ 4 59.5	1.698	2.576	13.4	21.1
5 1	11 41.08	+ 5 28.3	1.781	2.572	16.8	21.3

358039 2006 GA_{21} 3 22.9 235.°38 3.°6/19.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.68	+ 6 13.7	1.675	2.549	12.9	21.1
3 2	12 28.39	+ 7 2.6	1.602	2.540	9.1	20.9
3 12	12 19.89	+ 7 55.7	1.554	2.531	5.2	20.6
3 22	12 10.03	+ 8 45.6	1.533	2.521	3.7	20.5
4 1	11 59.96	+ 9 24.8	1.540	2.511	6.9	20.6
4 11	11 50.87	+ 9 47.6	1.573	2.500	11.0	20.9
4 21	11 43.71	+ 9 51.2	1.629	2.489	14.8	21.1
5 1	11 39.09	+ 9 35.2	1.704	2.478	18.1	21.3

389499 2010 FG_{30} 3 22.9 58.°26 0.°8/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.18	− 7 11.8	1.953	2.801	12.5	21.1
3 2	12 22.73	− 6 13.8	1.886	2.809	9.0	20.9
3 12	12 16.69	− 5 0.3	1.845	2.818	5.1	20.7
3 22	12 9.75	− 3 36.6	1.832	2.827	1.1	20.4
4 1	12 2.77	− 2 10.1	1.847	2.836	3.5	20.6
4 11	11 56.61	− 0 48.3	1.890	2.845	7.5	20.9
4 21	11 51.94	+ 0 22.4	1.959	2.855	11.1	21.1
5 1	11 49.21	+ 1 17.7	2.051	2.864	14.1	21.3

209136 2003 SD_{250} 3 22.9 233.°78 0.°1/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.50	− 3 56.1	1.937	2.788	12.5	20.9
3 2	12 26.70	− 3 13.6	1.848	2.774	8.9	20.7
3 12	12 18.95	− 2 17.6	1.784	2.760	4.9	20.4
3 22	12 9.96	− 1 12.8	1.748	2.745	0.4	20.0
4 1	12 0.68	− 0 5.6	1.742	2.729	4.1	20.3
4 11	11 52.15	+ 0 56.7	1.764	2.712	8.5	20.5
4 21	11 45.22	+ 1 48.2	1.811	2.695	12.4	20.7
5 1	11 40.50	+ 2 24.7	1.880	2.677	15.8	20.9

354852 2005 YA_{172} 3 22.9 102.°95 14.°8/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 41.24	+37 31.8	1.595	2.419	16.0	20.5
3 2	12 32.96	+39 33.7	1.595	2.442	14.9	20.5
3 12	12 22.15	+41 2.5	1.616	2.465	14.9	20.5
3 22	12 10.21	+41 49.6	1.659	2.487	15.7	20.6
4 1	11 58.75	+41 51.9	1.722	2.508	17.1	20.8
4 11	11 49.20	+41 12.8	1.802	2.529	18.6	20.9
4 21	11 42.39	+39 59.9	1.898	2.549	20.0	21.1
5 1	11 38.68	+38 21.2	2.005	2.568	21.2	21.3

51948 2001 QJ_{215} 3 22.9 11.°45 0.°5/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.31	− 1 25.1	1.382	2.256	15.0	17.9
3 2	12 26.21	− 1 4.4	1.320	2.258	10.6	17.6
3 12	12 18.77	− 0 31.6	1.281	2.260	5.7	17.4
3 22	12 9.95	+ 0 7.6	1.267	2.263	0.6	17.0
4 1	12 1.01	+ 0 46.0	1.279	2.267	5.1	17.3
4 11	11 53.26	+ 1 16.3	1.316	2.271	10.1	17.6
4 21	11 47.66	+ 1 33.4	1.375	2.276	14.5	17.9
5 1	11 44.77	+ 1 34.5	1.454	2.281	18.2	18.1

472130 2014 BK_{37} 3 22.9 142.°33 4.°4/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.31	+12 0.9	2.713	3.586	8.5	21.1
3 2	12 22.48	+13 45.5	2.663	3.595	6.2	21.0
3 12	12 16.45	+15 28.8	2.641	3.604	4.6	20.9
3 22	12 9.74	+17 4.1	2.650	3.612	4.8	20.9
4 1	12 3.00	+18 25.6	2.689	3.620	6.7	21.0
4 11	11 56.86	+19 29.3	2.756	3.628	9.0	21.2
4 21	11 51.85	+20 13.3	2.847	3.635	11.1	21.4
5 1	11 48.34	+20 37.9	2.957	3.642	12.9	21.5

222308 2000 SA_{298} 3 22.9 120.°04 2.°3/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.16	−10 25.1	2.098	2.924	12.6	20.8
3 2	12 25.45	−10 1.9	2.031	2.938	9.4	20.6
3 12	12 18.12	− 9 22.9	1.988	2.951	5.9	20.4
3 22	12 9.89	− 8 31.3	1.973	2.963	2.7	20.2
4 1	12 1.63	− 7 32.1	1.988	2.976	3.5	20.3
4 11	11 54.21	− 6 31.7	2.031	2.988	6.9	20.5
4 21	11 48.32	− 5 36.0	2.100	2.999	10.3	20.8
5 1	11 44.40	− 4 49.6	2.192	3.010	13.1	21.0

64786 2001 XM_{199} 3 22.9 268.°16 7.°2/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.93	+16 38.2	1.898	2.778	11.3	19.4
3 2	12 24.91	+18 23.9	1.833	2.763	8.8	19.2
3 12	12 17.99	+20 5.6	1.795	2.748	7.3	19.1
3 22	12 9.89	+21 33.6	1.783	2.732	7.9	19.1
4 1	12 1.59	+22 39.5	1.799	2.716	10.3	19.2
4 11	11 54.11	+23 18.3	1.838	2.701	13.1	19.3
4 21	11 48.28	+23 29.0	1.898	2.685	15.9	19.5
5 1	11 44.66	+23 13.3	1.975	2.669	18.3	19.7

11485 Zinzendorf 3 22.9 240.°30 0.°2/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.41	− 2 7.5	2.653	3.503	9.5	19.5
3 2	12 23.36	− 1 36.6	2.565	3.492	6.7	19.3
3 12	12 16.98	− 0 57.7	2.505	3.481	3.6	19.0
3 22	12 9.80	− 0 14.2	2.473	3.470	0.3	18.7
4 1	12 2.48	+ 0 29.6	2.472	3.458	3.2	19.0
4 11	11 55.69	+ 1 9.4	2.500	3.446	6.5	19.2
4 21	11 50.02	+ 1 41.6	2.555	3.434	9.4	19.3
5 1	11 45.90	+ 2 3.5	2.633	3.422	12.0	19.5

425088 2009 SP_{25} 3 22.9 128.°57 0.°5/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.46	− 4 47.6	2.367	3.206	10.9	22.6
3 2	12 26.16	− 4 19.1	2.304	3.224	7.8	22.4
3 12	12 18.43	− 3 40.6	2.268	3.241	4.3	22.2
3 22	12 9.93	− 2 55.7	2.262	3.258	0.8	22.0
4 1	12 1.46	− 2 9.2	2.286	3.273	3.2	22.2
4 11	11 53.77	− 1 25.8	2.339	3.289	6.6	22.4
4 21	11 47.47	− 0 49.7	2.419	3.303	9.7	22.6
5 1	11 42.98	− 0 23.6	2.523	3.317	12.3	22.8

366418 2001 TE_{240} 3 22.9 154.°24 2.°7/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.85	+ 5 20.7	2.254	3.120	10.3	21.8
3 2	12 25.82	+ 6 18.9	2.193	3.128	7.2	21.6
3 12	12 18.29	+ 7 20.5	2.160	3.136	4.0	21.4
3 22	12 9.93	+ 8 19.5	2.156	3.144	2.8	21.4
4 1	12 1.55	+ 9 10.3	2.182	3.151	5.3	21.5
4 11	11 53.96	+ 9 48.2	2.236	3.157	8.5	21.7
4 21	11 47.81	+10 10.9	2.315	3.163	11.5	21.9
5 1	11 43.53	+10 17.5	2.415	3.167	13.9	22.1

427539 2002 QN_{137} 3 22.9 173.°69 4.°3/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.24	+10 17.5	2.406	3.280	9.4	21.4
3 2	12 23.29	+11 50.8	2.347	3.283	6.8	21.2
3 12	12 16.94	+13 24.5	2.316	3.284	4.6	21.1
3 22	12 9.81	+14 51.5	2.315	3.286	4.7	21.1
4 1	12 2.61	+16 5.4	2.343	3.287	6.8	21.2
4 11	11 56.09	+17 1.5	2.398	3.287	9.4	21.4
4 21	11 50.83	+17 37.8	2.477	3.288	12.0	21.6
5 1	11 47.26	+17 54.2	2.576	3.287	14.1	21.7

78889 2003 SA_{36} 3 22.9 165.°62 2.°1/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.39	+ 3 10.2	2.109	2.969	11.2	20.5
3 2	12 27.71	+ 3 56.7	2.043	2.975	7.8	20.3
3 12	12 19.35	+ 4 48.4	2.004	2.981	4.2	20.1
3 22	12 10.03	+ 5 39.8	1.994	2.986	2.1	19.9
4 1	12 0.66	+ 6 25.0	2.014	2.990	5.0	20.1
4 11	11 52.17	+ 6 59.2	2.063	2.994	8.6	20.3
4 21	11 45.26	+ 7 19.4	2.137	2.996	11.8	20.6
5 1	11 40.40	+ 7 24.4	2.233	2.998	14.6	20.7

30159 Behari 3 22.9 240.°87 1.°4/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.01	+ 0 46.2	1.940	2.803	11.9	19.9
3 2	12 26.32	+ 1 27.6	1.858	2.792	8.4	19.7
3 12	12 18.74	+ 2 17.6	1.802	2.781	4.4	19.4
3 22	12 9.99	+ 3 10.9	1.774	2.769	1.4	19.1
4 1	12 1.02	+ 4 1.1	1.774	2.756	4.8	19.4
4 11	11 52.83	+ 4 42.2	1.803	2.744	8.9	19.6
4 21	11 46.23	+ 5 9.9	1.856	2.731	12.6	19.8
5 1	11 41.79	+ 5 21.8	1.930	2.717	15.8	20.0

39122 2000 WL_{42} 3 22.9 171.°96 0.°3/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.25	− 4 38.7	2.154	3.001	11.5	20.0
3 2	12 24.84	− 3 59.2	2.080	3.004	8.2	19.8
3 12	12 17.83	− 3 8.0	2.031	3.005	4.5	19.5
3 22	12 9.91	− 2 9.4	2.011	3.007	0.6	19.2
4 1	12 1.89	− 1 8.9	2.020	3.008	3.5	19.5
4 11	11 54.62	− 0 12.6	2.058	3.009	7.3	19.7
4 21	11 48.78	+ 0 34.6	2.123	3.009	10.7	19.9
5 1	11 44.84	+ 1 9.2	2.209	3.010	13.6	20.1

286105 2001 TL_{93} 3 22.9 160.°19 3.°1/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.74	−12 8.7	1.773	2.597	14.6	21.6
3 2	12 27.61	−11 45.3	1.700	2.604	11.1	21.4
3 12	12 19.43	−11 1.3	1.650	2.609	7.1	21.2
3 22	12 10.05	− 9 59.8	1.627	2.615	3.6	21.0
4 1	12 0.55	− 8 46.9	1.631	2.619	4.2	21.0
4 11	11 52.04	− 7 30.9	1.664	2.623	8.0	21.3
4 21	11 45.36	− 6 19.6	1.723	2.626	11.9	21.5
5 1	11 41.09	− 5 19.5	1.804	2.628	15.3	21.7

50745 2000 ET_{165} 3 22.9 250.°56 0.°3/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.79	− 2 8.9	2.111	2.967	11.3	18.8
3 2	12 24.57	− 1 39.1	2.034	2.964	8.0	18.6
3 12	12 17.72	− 0 59.8	1.983	2.960	4.3	18.3
3 22	12 9.90	− 0 15.1	1.960	2.957	0.4	18.0
4 1	12 1.96	+ 0 29.7	1.967	2.953	3.8	18.3
4 11	11 54.74	+ 1 9.3	2.001	2.950	7.6	18.5
4 21	11 48.96	+ 1 39.3	2.060	2.946	11.1	18.7
5 1	11 45.11	+ 1 57.0	2.142	2.942	14.0	18.9

375022 2007 GJ_{56} 3 22.9 6.°00 4.°0/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.06	+ 7 38.5	1.729	2.609	12.2	21.0
3 2	12 25.68	+ 8 35.4	1.669	2.609	8.6	20.8
3 12	12 18.38	+ 9 34.5	1.633	2.609	5.2	20.6
3 22	12 9.96	+10 28.3	1.625	2.609	4.2	20.5
4 1	12 1.47	+11 9.7	1.643	2.610	7.0	20.7
4 11	11 53.96	+11 33.4	1.688	2.610	10.7	20.9
4 21	11 48.24	+11 37.5	1.755	2.611	14.1	21.1
5 1	11 44.80	+11 21.9	1.842	2.612	17.0	21.3

135160 2001 QL_{241} 3 22.9 198.°52 0.°3/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.02	− 4 14.2	2.673	3.515	9.7	20.9
3 2	12 23.75	− 3 45.0	2.591	3.512	6.9	20.7
3 12	12 17.19	− 3 6.6	2.535	3.509	3.8	20.5
3 22	12 9.86	− 2 22.5	2.509	3.505	0.6	20.2
4 1	12 2.42	− 1 36.5	2.513	3.501	2.9	20.4
4 11	11 55.55	− 0 53.1	2.547	3.496	6.2	20.6
4 21	11 49.81	− 0 16.2	2.608	3.491	9.1	20.8
5 1	11 45.62	+ 0 11.4	2.692	3.486	11.6	21.0

423604 2005 WE_{34} 3 22.9 344.°85 9.°0/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.53	+22 12.7	1.742	2.614	12.6	20.0
3 2	12 27.46	+23 31.4	1.696	2.613	10.3	19.9
3 12	12 19.32	+24 37.6	1.675	2.612	9.1	19.8
3 22	12 10.04	+25 22.2	1.679	2.611	9.6	19.8
4 1	12 0.78	+25 39.1	1.707	2.610	11.6	20.0
4 11	11 52.66	+25 26.2	1.759	2.610	14.2	20.1
4 21	11 46.53	+24 45.6	1.831	2.609	16.7	20.3
5 1	11 42.86	+23 41.5	1.919	2.609	18.9	20.5

38123 1999 JD_{43} 3 22.9 267.°55 4.°4/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.54	−13 17.7	1.551	2.380	16.1	19.1
3 2	12 27.17	−13 21.5	1.467	2.371	12.5	18.9
3 12	12 19.41	−13 2.5	1.405	2.362	8.5	18.6
3 22	12 10.07	−12 21.8	1.368	2.352	5.0	18.4
4 1	12 0.36	−11 24.1	1.357	2.343	5.3	18.3
4 11	11 51.60	−10 17.7	1.372	2.333	9.1	18.5
4 21	11 44.85	− 9 11.5	1.411	2.324	13.4	18.8
5 1	11 40.84	− 8 14.0	1.471	2.314	17.2	19.0

368683 2005 RB_5 3 22.9 101.°61 6.°7/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.21	−20 40.6	1.901	2.677	15.6	20.7
3 2	12 27.92	−21 12.1	1.831	2.690	12.8	20.5
3 12	12 19.60	−21 20.0	1.782	2.703	9.8	20.4
3 22	12 10.08	−21 3.7	1.759	2.715	7.4	20.2
4 1	12 0.42	−20 25.9	1.762	2.727	6.8	20.2
4 11	11 51.73	−19 32.6	1.792	2.739	8.5	20.3
4 21	11 44.88	−18 31.6	1.847	2.750	11.2	20.5
5 1	11 40.41	−17 30.8	1.925	2.762	14.0	20.7

201612 2003 SB_{205} 3 22.9 255.°28 2.°9/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.81	+ 6 52.9	2.193	3.059	10.6	20.4
3 2	12 27.43	+ 7 21.4	2.109	3.043	7.5	20.2
3 12	12 19.29	+ 7 51.8	2.051	3.027	4.3	19.9
3 22	12 10.05	+ 8 19.1	2.022	3.010	3.0	19.8
4 1	12 0.60	+ 8 38.4	2.022	2.993	5.5	20.0
4 11	11 51.87	+ 8 45.9	2.051	2.976	9.0	20.1
4 21	11 44.60	+ 8 39.4	2.105	2.958	12.2	20.3
5 1	11 39.35	+ 8 18.5	2.180	2.940	15.0	20.5

7407 1988 TL 3 22.9 84.°90 1.°0/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.77	− 5 50.0	1.542	2.396	14.9	18.0
3 2	12 27.63	− 5 20.1	1.490	2.416	10.7	17.8
3 12	12 19.40	− 4 34.4	1.461	2.435	6.0	17.5
3 22	12 10.05	− 3 38.5	1.458	2.454	1.3	17.2
4 1	12 0.78	− 2 39.6	1.483	2.472	4.2	17.5
4 11	11 52.73	− 1 45.5	1.535	2.491	8.8	17.8
4 21	11 46.73	− 1 2.4	1.611	2.509	12.9	18.1
5 1	11 43.26	− 0 34.1	1.707	2.527	16.2	18.4

35743 1999 GP_{29} 3 22.9 311.°50 1.°2/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.11	− 0 6.7	1.346	2.222	15.3	19.2
3 2	12 27.70	+ 0 19.9	1.274	2.213	10.8	18.9
3 12	12 19.71	+ 0 58.2	1.226	2.205	5.8	18.6
3 22	12 10.10	+ 1 42.0	1.202	2.198	1.2	18.3
4 1	12 0.20	+ 2 23.4	1.204	2.190	5.7	18.6
4 11	11 51.45	+ 2 54.6	1.231	2.183	11.0	18.8
4 21	11 44.95	+ 3 10.1	1.280	2.176	15.7	19.1
5 1	11 41.39	+ 3 7.4	1.348	2.170	19.6	19.3

110500 2001 TT_{65} 3 22.9 184.°70 0.°5/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.82	− 4 23.7	1.943	2.793	12.4	19.9
3 2	12 26.10	− 3 56.3	1.868	2.793	8.9	19.7
3 12	12 18.58	− 3 16.7	1.818	2.793	4.9	19.4
3 22	12 9.99	− 2 29.0	1.796	2.792	0.8	19.1
4 1	12 1.26	− 1 38.9	1.803	2.792	3.8	19.4
4 11	11 53.38	− 0 52.6	1.838	2.791	7.9	19.6
4 21	11 47.09	− 0 15.1	1.899	2.789	11.6	19.8
5 1	11 42.94	+ 0 10.0	1.981	2.788	14.8	20.0

192372 1996 AB_{14} 3 22.9 162.°39 0.°8/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.60	− 0 7.1	2.127	2.985	11.2	20.7
3 2	12 25.78	+ 0 19.4	2.057	2.988	7.9	20.5
3 12	12 18.35	+ 0 53.3	2.012	2.990	4.1	20.3
3 22	12 9.97	+ 1 30.3	1.996	2.992	0.8	20.0
4 1	12 1.51	+ 2 5.4	2.009	2.993	4.0	20.3
4 11	11 53.84	+ 2 34.0	2.050	2.995	7.8	20.5
4 21	11 47.65	+ 2 52.5	2.117	2.996	11.1	20.7
5 1	11 43.41	+ 2 58.7	2.206	2.997	13.9	20.9

135672 2002 NZ_{25} 3 22.9 231.°64 0.°5/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.07	− 2 21.3	2.064	2.917	11.7	20.8
3 2	12 26.31	− 1 34.3	1.976	2.904	8.3	20.6
3 12	12 18.73	− 0 35.7	1.913	2.889	4.4	20.3
3 22	12 10.01	+ 0 29.6	1.878	2.874	0.5	20.0
4 1	12 1.04	+ 1 35.3	1.873	2.859	4.1	20.2
4 11	11 52.76	+ 2 34.7	1.897	2.842	8.3	20.4
4 21	11 45.98	+ 3 22.4	1.947	2.825	12.0	20.6
5 1	11 41.27	+ 3 55.2	2.018	2.807	15.1	20.8

217924 2001 TK 3 22.9 142.°30 0.°1/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.52	− 3 51.8	2.079	2.928	11.8	21.7
3 2	12 25.72	− 3 10.5	2.013	2.938	8.4	21.5
3 12	12 18.30	− 2 18.1	1.972	2.947	4.5	21.3
3 22	12 9.97	− 1 19.1	1.960	2.956	0.4	21.0
4 1	12 1.60	− 0 19.5	1.977	2.964	3.7	21.3
4 11	11 54.06	+ 0 34.6	2.023	2.972	7.5	21.5
4 21	11 48.05	+ 1 18.5	2.095	2.979	11.0	21.8
5 1	11 44.01	+ 1 49.2	2.189	2.986	13.9	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
203255	2001 QD_{136}		3 22.9	212.°45	2.°4/25.2	17
	h m	° ′			°	m
2 21	12 33.66	−10 13.1	1.843	2.673	13.9	21.2
3 2	12 27.62	− 9 47.0	1.757	2.666	10.5	20.9
3 12	12 19.50	− 9 2.0	1.694	2.658	6.5	20.7
3 22	12 10.09	− 8 1.1	1.658	2.649	2.8	20.4
4 1	12 0.39	− 6 50.2	1.651	2.639	4.0	20.5
4 11	11 51.53	− 5 37.1	1.672	2.629	8.1	20.7
4 21	11 44.42	− 4 29.5	1.719	2.618	12.2	20.9
5 1	11 39.66	− 3 33.5	1.788	2.606	15.7	21.1
500602	2012 UP_{120}		3 22.9	190.°84	4.°0/27.7	17
2 21	12 28.89	−16 12.2	2.411	3.206	12.1	21.7
3 2	12 23.85	−16 6.1	2.325	3.205	9.6	21.5
3 12	12 17.31	−15 42.6	2.264	3.205	6.8	21.3
3 22	12 9.89	−15 2.8	2.229	3.204	4.5	21.2
4 1	12 2.32	−14 10.3	2.223	3.203	4.3	21.1
4 11	11 55.39	−13 10.2	2.246	3.201	6.4	21.3
4 21	11 49.75	−12 8.4	2.295	3.200	9.3	21.4
5 1	11 45.88	−11 10.4	2.369	3.198	11.9	21.6
285341	1999 LB_{19}		3 22.9	335.°65	11.°9/ 9.6	17
2 21	12 29.19	+27 15.9	1.535	2.408	13.8	19.2
3 2	12 24.86	+28 57.7	1.480	2.386	12.3	19.1
3 12	12 18.14	+30 22.8	1.448	2.364	11.9	19.0
3 22	12 9.96	+31 19.5	1.438	2.344	13.0	19.0
4 1	12 1.58	+31 39.6	1.451	2.325	15.2	19.1
4 11	11 54.33	+31 20.6	1.482	2.306	17.7	19.2
4 21	11 49.19	+30 25.1	1.530	2.289	20.3	19.3
5 1	11 46.79	+28 58.2	1.592	2.274	22.5	19.5
234657	2002 EJ_{103}		3 22.9	233.°24	0.°9/22.1	17
2 21	12 32.42	+ 0 20.3	2.035	2.894	11.6	20.4
3 2	12 26.50	+ 0 44.1	1.956	2.888	8.2	20.1
3 12	12 18.80	+ 1 15.5	1.904	2.881	4.3	19.9
3 22	12 10.03	+ 1 49.9	1.879	2.875	0.9	19.6
4 1	12 1.08	+ 2 22.4	1.884	2.868	4.3	19.8
4 11	11 52.91	+ 2 47.9	1.916	2.861	8.2	20.1
4 21	11 46.29	+ 3 2.9	1.974	2.853	11.8	20.3
5 1	11 41.75	+ 3 5.1	2.054	2.846	14.8	20.5
14671	1999 RM_{49}		3 22.9	144.°93	0.°3/22.6	18 R
2 21	12 31.62	− 1 51.4	2.260	3.111	10.9	18.8
3 2	12 25.69	− 1 19.8	2.192	3.120	7.7	18.6
3 12	12 18.25	− 0 39.8	2.152	3.128	4.1	18.4
3 22	12 9.97	+ 0 4.5	2.140	3.136	0.4	18.1
4 1	12 1.66	+ 0 48.1	2.158	3.143	3.6	18.4
4 11	11 54.11	+ 1 26.2	2.205	3.150	7.2	18.6
4 21	11 47.97	+ 1 55.1	2.278	3.157	10.4	18.8
5 1	11 43.69	+ 2 12.3	2.373	3.163	13.1	19.0
409776	2006 EX_{26}		3 22.9	284.°69	1.°0/23.6	16
2 21	12 34.15	− 4 25.2	1.431	2.292	15.4	21.8
3 2	12 28.45	− 4 18.6	1.350	2.280	11.2	21.5
3 12	12 20.16	− 3 56.9	1.292	2.267	6.4	21.2
3 22	12 10.16	− 3 23.9	1.259	2.254	1.3	20.8
4 1	11 59.76	− 2 45.7	1.252	2.242	4.8	21.0
4 11	11 50.37	− 2 10.0	1.271	2.229	10.0	21.3
4 21	11 43.15	− 1 43.4	1.313	2.216	14.8	21.5
5 1	11 38.84	− 1 30.7	1.374	2.204	18.9	21.8
452669	2005 WH_{100}		3 22.9	158.°21	2.°2/24.9	18
2 21	12 33.83	− 9 44.7	1.668	2.505	14.8	22.4
3 2	12 27.75	− 9 12.0	1.598	2.511	11.0	22.2
3 12	12 19.55	− 8 19.6	1.551	2.517	6.7	22.0
3 22	12 10.10	− 7 11.6	1.530	2.522	2.6	21.7
4 1	12 0.53	− 5 55.0	1.538	2.527	4.1	21.8
4 11	11 52.01	− 4 38.7	1.573	2.531	8.5	22.1
4 21	11 45.42	− 3 30.5	1.633	2.534	12.6	22.3
5 1	11 41.33	− 2 36.4	1.715	2.537	16.1	22.6
140812	2001 UE_{159}		3 22.9	105.°34	2.°5/26.2	17
2 21	12 27.51	−12 29.8	2.379	3.196	11.6	20.2
3 2	12 22.81	−11 57.7	2.305	3.204	8.8	20.0
3 12	12 16.72	−11 9.6	2.255	3.212	5.7	19.9
3 22	12 9.85	−10 8.4	2.233	3.219	3.0	19.7
4 1	12 2.91	− 8 58.9	2.240	3.227	3.3	19.7
4 11	11 56.66	− 7 47.1	2.276	3.234	6.2	19.9
4 21	11 51.68	− 6 38.7	2.339	3.242	9.2	20.1
5 1	11 48.38	− 5 38.8	2.426	3.249	11.9	20.3
37922	1998 FQ_{109}		3 22.9	328.°15	3.°4/26.0	17
2 21	12 29.21	−11 42.4	1.645	2.482	15.0	19.2
3 2	12 24.64	−11 34.6	1.564	2.474	11.5	18.9
3 12	12 17.97	−11 6.0	1.505	2.466	7.5	18.7
3 22	12 9.97	−10 19.0	1.471	2.459	3.9	18.5
4 1	12 1.70	− 9 18.9	1.464	2.452	4.5	18.5
4 11	11 54.32	− 8 13.5	1.483	2.446	8.4	18.7
4 21	11 48.73	− 7 11.0	1.527	2.440	12.5	18.9
5 1	11 45.58	− 6 18.4	1.592	2.435	16.1	19.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
229769	2008 JX_{19}		3 22.9	252.°92	6.°1/29.5	18
	h m	° ′			°	m
2 21	12 31.10	−21 49.5	2.188	2.953	14.2	20.4
3 2	12 25.75	−21 51.1	2.081	2.934	11.7	20.1
3 12	12 18.52	−21 29.3	1.997	2.914	9.1	19.9
3 22	12 10.02	−20 43.5	1.938	2.894	6.8	19.8
4 1	12 1.16	−19 36.1	1.907	2.874	6.2	19.7
4 11	11 52.92	−18 13.0	1.903	2.852	7.9	19.7
4 21	11 46.15	−16 42.1	1.926	2.830	10.8	19.9
5 1	11 41.49	−15 11.7	1.973	2.808	13.7	20.0
397813	2008 RJ_{95}		3 22.9	188.°36	0.°6/23.5	18
2 21	12 32.72	− 6 24.1	1.626	2.477	14.4	21.7
3 2	12 27.04	− 5 28.9	1.552	2.477	10.4	21.5
3 12	12 19.22	− 4 15.2	1.502	2.476	5.8	21.2
3 22	12 10.08	− 2 49.1	1.479	2.475	1.0	20.9
4 1	12 0.77	− 1 19.1	1.484	2.473	4.3	21.1
4 11	11 52.46	+ 0 5.1	1.517	2.470	9.1	21.4
4 21	11 46.07	+ 1 15.9	1.574	2.467	13.4	21.6
5 1	11 42.18	+ 2 8.2	1.652	2.463	17.0	21.9
66829	1999 UY_{42}		3 22.9	250.°46	4.°0/26.9	18
2 21	12 30.56	−14 25.9	2.031	2.842	13.5	19.3
3 2	12 25.30	−14 26.2	1.944	2.836	10.6	19.1
3 12	12 18.22	−14 7.6	1.881	2.830	7.3	18.9
3 22	12 10.00	−13 31.4	1.844	2.824	4.5	18.7
4 1	12 1.54	−12 41.2	1.835	2.817	4.5	18.7
4 11	11 53.83	−11 43.2	1.853	2.811	7.4	18.8
4 21	11 47.65	−10 44.1	1.898	2.805	10.8	19.0
5 1	11 43.57	− 9 50.3	1.965	2.798	13.9	19.2
338430	2003 CZ_{13}		3 22.9	37.°56	0.°1/22.9	17
2 21	12 28.90	− 2 42.9	1.923	2.783	12.1	20.6
3 2	12 23.98	− 2 13.5	1.862	2.793	8.6	20.4
3 12	12 17.41	− 1 33.8	1.826	2.803	4.6	20.1
3 22	12 9.92	− 0 48.5	1.817	2.813	0.4	19.8
4 1	12 2.40	− 0 3.1	1.836	2.824	3.8	20.1
4 11	11 55.75	+ 0 36.6	1.883	2.835	7.8	20.4
4 21	11 50.65	+ 1 6.3	1.954	2.846	11.3	20.6
5 1	11 47.55	+ 1 23.2	2.048	2.857	14.2	20.8
170765	2004 CN_{57}		3 22.9	76.°10	6.°0/16.1	15
2 21	12 29.94	+15 16.0	2.058	2.935	10.7	20.0
3 2	12 24.62	+16 30.6	2.012	2.943	8.0	19.8
3 12	12 17.71	+17 39.9	1.993	2.951	6.2	19.7
3 22	12 9.94	+18 36.9	2.000	2.959	6.4	19.8
4 1	12 2.20	+19 15.5	2.035	2.967	8.4	19.9
4 11	11 55.34	+19 32.7	2.095	2.975	11.0	20.1
4 21	11 50.02	+19 28.2	2.178	2.983	13.5	20.2
5 1	11 46.68	+19 3.7	2.279	2.991	15.7	20.4
52640	1997 WJ_{46}		3 22.9	139.°92	5.°4/18.1	18 R
2 21	12 35.37	+11 9.5	1.694	2.570	12.6	18.9
3 2	12 28.68	+12 20.2	1.645	2.580	9.1	18.7
3 12	12 19.96	+13 29.0	1.620	2.590	6.1	18.6
3 22	12 10.14	+14 27.3	1.623	2.598	5.7	18.6
4 1	12 0.37	+15 7.8	1.654	2.607	8.3	18.8
4 11	11 51.76	+15 26.1	1.710	2.614	11.7	19.0
4 21	11 45.13	+15 21.8	1.789	2.622	14.9	19.2
5 1	11 40.97	+14 56.4	1.886	2.628	17.6	19.4
508625	2017 SA_{41}		3 22.9	235.°13	1.°6/21.3	17
2 21	12 29.89	+ 1 33.8	2.095	2.960	11.0	21.7
3 2	12 24.65	+ 2 16.2	2.022	2.957	7.7	21.4
3 12	12 17.78	+ 3 5.5	1.974	2.953	4.1	21.2
3 22	12 9.96	+ 3 56.7	1.955	2.949	1.6	21.0
4 1	12 2.01	+ 4 43.8	1.965	2.945	4.6	21.2
4 11	11 54.81	+ 5 21.7	2.002	2.941	8.3	21.4
4 21	11 49.06	+ 5 46.8	2.065	2.937	11.6	21.6
5 1	11 45.24	+ 5 57.0	2.149	2.933	14.5	21.8
158469	2002 CM_{248}		3 22.9	46.°77	3.°3/19.9	18
2 21	12 31.04	+ 5 38.4	1.721	2.599	12.4	19.6
3 2	12 25.66	+ 6 31.8	1.662	2.603	8.6	19.4
3 12	12 18.37	+ 7 29.1	1.629	2.607	4.9	19.2
3 22	12 10.01	+ 8 23.2	1.622	2.611	3.4	19.1
4 1	12 1.60	+ 9 7.0	1.643	2.615	6.4	19.3
4 11	11 54.19	+ 9 35.1	1.690	2.619	10.2	19.5
4 21	11 48.55	+ 9 44.9	1.760	2.624	13.7	19.7
5 1	11 45.19	+ 9 36.1	1.849	2.628	16.7	19.9
202816	2008 SS_{62}		3 22.9	269.°24	1.°2/23.8	17
2 21	12 35.42	− 5 26.2	1.478	2.332	15.4	21.2
3 2	12 29.46	− 5 14.3	1.384	2.310	11.3	20.9
3 12	12 20.80	− 4 45.6	1.314	2.288	6.6	20.6
3 22	12 10.25	− 4 3.5	1.269	2.265	1.6	20.2
4 1	11 59.09	− 3 14.2	1.252	2.241	4.8	20.3
4 11	11 48.80	− 2 25.9	1.260	2.217	10.2	20.6
4 21	11 40.61	− 1 46.2	1.292	2.192	15.2	20.8
5 1	11 35.39	− 1 21.1	1.343	2.167	19.5	21.0

175990 2000 QQ_{119} 3 22.9 156.°78 3.°6/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.42	−15 46.5	3.006	3.788	10.3	20.6
3 2	12 25.37	−15 59.3	2.923	3.795	8.1	20.5
3 12	12 18.05	−15 58.8	2.866	3.801	5.8	20.3
3 22	12 10.00	−15 45.8	2.837	3.807	3.9	20.2
4 1	12 1.84	−15 22.1	2.838	3.813	3.8	20.2
4 11	11 54.23	−14 51.4	2.869	3.818	5.6	20.3
4 21	11 47.71	−14 17.5	2.928	3.822	7.8	20.5
5 1	11 42.71	−13 44.4	3.012	3.827	10.0	20.7

406524 2007 VK_{230} 3 22.9 48.°51 1.°0/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.71	− 0 53.1	1.316	2.192	15.5	20.9
3 2	12 27.18	− 0 18.3	1.265	2.204	10.9	20.6
3 12	12 19.29	+ 0 28.5	1.237	2.217	5.7	20.3
3 22	12 10.10	+ 1 20.3	1.234	2.230	1.0	20.1
4 1	12 0.95	+ 2 8.7	1.258	2.244	5.4	20.4
4 11	11 53.15	+ 2 45.9	1.306	2.258	10.4	20.7
4 21	11 47.62	+ 3 7.3	1.376	2.273	14.8	21.0
5 1	11 44.86	+ 3 10.5	1.466	2.287	18.3	21.3

322330 2011 HV_8 3 22.9 114.°23 1.°6/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.08	+ 0 36.9	1.972	2.839	11.5	20.5
3 2	12 24.10	+ 1 38.5	1.908	2.844	8.0	20.3
3 12	12 17.49	+ 2 48.7	1.870	2.849	4.2	20.1
3 22	12 9.95	+ 4 1.1	1.859	2.854	1.7	19.9
4 1	12 2.34	+ 5 8.7	1.878	2.858	4.8	20.2
4 11	11 55.57	+ 6 5.2	1.924	2.863	8.6	20.4
4 21	11 50.30	+ 6 46.6	1.995	2.867	12.0	20.6
5 1	11 47.02	+ 7 10.6	2.087	2.872	14.8	20.8

165922 2001 TK_{144} 3 22.9 308.°42 5.°3/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.87	+13 3.3	1.933	2.810	11.3	19.3
3 2	12 26.24	+13 49.1	1.860	2.794	8.3	19.1
3 12	12 18.73	+14 31.9	1.812	2.779	5.9	18.9
3 22	12 10.07	+15 5.1	1.791	2.763	5.6	18.8
4 1	12 1.22	+15 22.6	1.798	2.748	7.9	18.9
4 11	11 53.21	+15 20.7	1.830	2.734	11.1	19.1
4 21	11 46.84	+14 58.6	1.885	2.719	14.2	19.3
5 1	11 42.68	+14 17.5	1.959	2.705	16.9	19.4

456864 2007 VE_9 3 22.9 231.°44 3.°5/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.34	+ 5 53.8	1.935	2.805	11.6	21.7
3 2	12 27.32	+ 7 3.0	1.854	2.791	8.2	21.4
3 12	12 19.34	+ 8 17.7	1.800	2.776	4.8	21.2
3 22	12 10.13	+ 9 30.6	1.774	2.761	3.7	21.1
4 1	12 0.66	+10 33.8	1.778	2.745	6.6	21.2
4 11	11 51.99	+11 21.0	1.808	2.728	10.3	21.4
4 21	11 44.94	+11 48.7	1.863	2.710	13.8	21.6
5 1	11 40.13	+11 55.9	1.938	2.691	16.8	21.8

355759 2008 RE 3 22.9 147.°16 2.°2/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.32	+ 2 4.8	1.773	2.637	12.8	21.6
3 2	12 28.59	+ 3 3.2	1.714	2.649	8.9	21.4
3 12	12 19.92	+ 4 8.9	1.682	2.660	4.7	21.2
3 22	12 10.17	+ 5 15.0	1.677	2.670	2.2	21.0
4 1	12 0.42	+ 6 14.0	1.702	2.679	5.5	21.2
4 11	11 51.74	+ 6 59.6	1.754	2.688	9.6	21.5
4 21	11 44.93	+ 7 28.3	1.830	2.695	13.2	21.7
5 1	11 40.49	+ 7 38.7	1.927	2.702	16.2	22.0

372902 2011 AR_{46} 3 22.9 56.°20 2.°3/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.02	− 9 7.5	1.663	2.507	14.5	21.2
3 2	12 25.74	− 8 52.7	1.598	2.515	10.8	21.0
3 12	12 18.47	− 8 20.0	1.557	2.524	6.6	20.8
3 22	12 10.04	− 7 33.1	1.541	2.532	2.8	20.5
4 1	12 1.54	− 6 37.8	1.552	2.541	4.0	20.6
4 11	11 54.05	− 5 41.9	1.590	2.551	8.2	20.9
4 21	11 48.40	− 4 52.0	1.653	2.560	12.1	21.2
5 1	11 45.12	− 4 13.4	1.737	2.569	15.5	21.4

230643 2003 RQ_{10} 3 22.9 211.°10 2.°6/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.74	−11 55.2	2.590	3.400	11.0	20.9
3 2	12 25.09	−11 43.8	2.497	3.393	8.4	20.7
3 12	12 18.00	−11 18.3	2.430	3.385	5.5	20.5
3 22	12 10.01	−10 40.6	2.391	3.377	3.0	20.3
4 1	12 1.84	− 9 54.0	2.382	3.368	3.3	20.3
4 11	11 54.24	− 9 3.2	2.403	3.359	6.1	20.5
4 21	11 47.85	− 8 13.3	2.451	3.349	9.1	20.7
5 1	11 43.13	− 7 28.7	2.524	3.338	11.7	20.8

123977 2001 FO_{34} 3 22.9 359.°75 1.°0/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.86	− 5 25.1	1.868	2.719	12.9	19.4
3 2	12 25.51	− 5 11.1	1.795	2.718	9.3	19.2
3 12	12 18.32	− 4 44.2	1.745	2.718	5.3	18.9
3 22	12 10.03	− 4 8.0	1.723	2.718	1.3	18.6
4 1	12 1.60	− 3 27.5	1.729	2.718	3.7	18.8
4 11	11 54.02	− 2 48.9	1.762	2.718	7.9	19.1
4 21	11 48.07	− 2 17.3	1.820	2.719	11.6	19.3
5 1	11 44.30	− 1 56.5	1.900	2.719	14.8	19.5

333434 2003 SO_{61} 3 22.9 191.°61 0.°7/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.16	− 0 4.0	2.116	2.973	11.3	20.6
3 2	12 26.24	+ 0 18.3	2.042	2.972	7.9	20.4
3 12	12 18.64	+ 0 47.9	1.994	2.971	4.2	20.1
3 22	12 10.07	+ 1 20.7	1.974	2.970	0.8	19.9
4 1	12 1.38	+ 1 51.8	1.984	2.969	4.0	20.1
4 11	11 53.47	+ 2 16.7	2.023	2.968	7.8	20.3
4 21	11 47.05	+ 2 31.9	2.086	2.966	11.2	20.6
5 1	11 42.63	+ 2 35.1	2.172	2.964	14.1	20.7

80361 1999 XZ_{130} 3 22.9 119.°11 0.°6/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.11	− 1 29.5	1.461	2.323	15.1	20.0
3 2	12 30.16	− 1 1.3	1.404	2.337	10.6	19.8
3 12	12 20.86	− 0 21.5	1.372	2.350	5.6	19.5
3 22	12 10.26	+ 0 24.1	1.366	2.362	0.6	19.2
4 1	11 59.68	+ 1 7.9	1.388	2.374	5.0	19.5
4 11	11 50.43	+ 1 42.9	1.436	2.386	9.9	19.8
4 21	11 43.43	+ 2 4.5	1.507	2.396	14.2	20.1
5 1	11 39.23	+ 2 10.1	1.599	2.407	17.7	20.4

472651 2015 DB_{216} 3 22.9 324.°72 0.°3/21.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 15.61	+ 3 43.1	14.272	15.129	1.9	20.3
3 2	12 13.71	+ 3 49.5	14.184	15.116	1.3	20.2
3 12	12 11.63	+ 3 56.5	14.126	15.104	0.7	20.2
3 22	12 9.44	+ 4 3.5	14.098	15.091	0.3	20.1
4 1	12 7.24	+ 4 9.8	14.101	15.079	0.8	20.2
4 11	12 5.12	+ 4 15.0	14.134	15.067	1.4	20.2
4 21	12 3.16	+ 4 18.7	14.196	15.055	2.0	20.3
5 1	12 1.44	+ 4 20.4	14.283	15.042	2.6	20.3

370203 2002 EV_{36} 3 22.9 103.°00 1.°7/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.37	+ 1 4.2	1.905	2.772	11.9	21.4
3 2	12 25.02	+ 2 0.8	1.846	2.782	8.2	21.2
3 12	12 17.99	+ 3 5.1	1.813	2.792	4.3	21.0
3 22	12 10.02	+ 4 10.9	1.808	2.802	1.7	20.8
4 1	12 2.03	+ 5 11.4	1.832	2.812	4.9	21.1
4 11	11 54.95	+ 6 0.4	1.883	2.822	8.7	21.3
4 21	11 49.48	+ 6 34.2	1.959	2.831	12.2	21.6
5 1	11 46.06	+ 6 51.0	2.055	2.840	15.0	21.8

332972 2011 FY_1 3 22.9 252.°33 5.°4/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.36	+12 45.7	1.969	2.846	11.1	20.2
3 2	12 25.82	+13 53.9	1.904	2.838	8.2	20.0
3 12	12 18.48	+15 0.1	1.864	2.830	5.8	19.9
3 22	12 10.07	+15 56.8	1.852	2.822	5.8	19.9
4 1	12 1.53	+16 37.2	1.868	2.813	8.1	20.0
4 11	11 53.84	+16 57.0	1.909	2.804	11.2	20.1
4 21	11 47.75	+16 55.2	1.973	2.796	14.1	20.3
5 1	11 43.80	+16 32.5	2.056	2.787	16.7	20.5

428790 2008 SN_{286} 3 22.9 191.°86 0.°3/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.46	− 1 38.0	2.300	3.151	10.7	21.7
3 2	12 25.66	− 1 12.6	2.223	3.150	7.6	21.5
3 12	12 18.31	− 0 39.0	2.172	3.148	4.0	21.2
3 22	12 10.05	− 0 1.0	2.150	3.147	0.4	20.9
4 1	12 1.68	+ 0 36.8	2.158	3.144	3.6	21.2
4 11	11 54.01	+ 1 9.7	2.195	3.141	7.2	21.4
4 21	11 47.70	+ 1 34.1	2.258	3.138	10.5	21.6
5 1	11 43.23	+ 1 47.5	2.344	3.135	13.2	21.8

186178 2001 UT_{184} 3 22.9 165.°58 1.°3/21.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.47	− 0 21.5	2.189	3.047	10.9	21.8
3 2	12 24.97	+ 0 42.6	2.120	3.052	7.6	21.6
3 12	12 17.93	+ 1 55.6	2.079	3.057	4.0	21.4
3 22	12 10.02	+ 3 11.6	2.066	3.061	1.3	21.2
4 1	12 2.04	+ 4 24.1	2.083	3.064	4.3	21.4
4 11	11 54.81	+ 5 27.0	2.129	3.067	7.9	21.6
4 21	11 49.00	+ 6 16.0	2.201	3.069	11.2	21.8
5 1	11 45.06	+ 6 48.9	2.295	3.070	13.9	22.0

473192 2015 KU_{73} 3 22.9 355.°13 6.°0/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.05	+14 45.0	1.954	2.834	11.0	20.3
3 2	12 24.15	+15 54.9	1.899	2.832	8.2	20.1
3 12	12 17.54	+17 0.4	1.870	2.831	6.3	20.0
3 22	12 9.98	+17 54.0	1.867	2.830	6.4	20.0
4 1	12 2.37	+18 29.4	1.892	2.829	8.6	20.1
4 11	11 55.63	+18 43.2	1.941	2.828	11.4	20.3
4 21	11 50.47	+18 34.7	2.012	2.828	14.1	20.5
5 1	11 47.35	+18 5.4	2.102	2.829	16.5	20.7

437100 2012 US_{101} 3 22.9 114.°69 4.°2/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.32	+11 6.3	2.222	3.094	10.2	21.3
3 2	12 25.54	+11 49.2	2.161	3.096	7.3	21.2
3 12	12 18.22	+12 30.4	2.128	3.097	4.8	21.0
3 22	12 10.05	+13 4.3	2.122	3.099	4.4	21.0
4 1	12 1.84	+13 26.0	2.145	3.101	6.5	21.1
4 11	11 54.44	+13 32.5	2.195	3.102	9.4	21.3
4 21	11 48.49	+13 22.7	2.270	3.104	12.1	21.5
5 1	11 44.43	+12 57.1	2.364	3.106	14.5	21.6

31330 1998 HB_{84} 3 22.9 61.°59 0.°3/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.48	− 5 30.9	2.060	2.911	11.8	18.4
3 2	12 22.86	− 4 32.0	2.004	2.929	8.4	18.2
3 12	12 16.78	− 3 20.5	1.973	2.948	4.6	18.0
3 22	12 9.91	− 2 1.8	1.971	2.967	0.6	17.7
4 1	12 3.08	− 0 42.8	1.998	2.986	3.5	18.0
4 11	11 57.07	+ 0 29.8	2.053	3.005	7.2	18.3
4 21	11 52.49	+ 1 30.9	2.134	3.024	10.5	18.5
5 1	11 49.72	+ 2 17.1	2.238	3.043	13.3	18.7

480534 2015 MQ_{25} 3 22.9 279.°74 2.°5/25.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.43	−10 47.4	2.307	3.131	11.7	21.5
3 2	12 23.63	−10 34.0	2.216	3.121	8.8	21.3
3 12	12 17.28	−10 5.7	2.151	3.111	5.7	21.1
3 22	12 9.97	− 9 24.8	2.112	3.101	2.8	20.9
4 1	12 2.47	− 8 35.1	2.103	3.091	3.4	20.9
4 11	11 55.57	− 7 42.0	2.122	3.080	6.6	21.1
4 21	11 49.96	− 6 51.0	2.168	3.070	9.8	21.3
5 1	11 46.15	− 6 6.9	2.236	3.060	12.7	21.4

511656 2015 BJ_{291} 3 22.9 175.°18 1.°8/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.33	− 7 38.9	2.004	2.842	12.6	21.1
3 2	12 25.77	− 7 29.6	1.927	2.843	9.3	20.9
3 12	12 18.46	− 7 6.5	1.875	2.843	5.6	20.7
3 22	12 10.08	− 6 32.4	1.850	2.843	2.1	20.5
4 1	12 1.56	− 5 52.0	1.854	2.843	3.6	20.6
4 11	11 53.84	− 5 10.8	1.886	2.843	7.4	20.8
4 21	11 47.67	− 4 34.2	1.944	2.843	10.9	21.0
5 1	11 43.58	− 4 6.5	2.024	2.843	14.0	21.2

230839 2004 PE_{103} 3 22.9 148.°87 2.°8/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.42	−11 23.3	2.476	3.284	11.5	21.3
3 2	12 27.65	−11 31.5	2.400	3.294	8.7	21.1
3 12	12 19.35	−11 26.4	2.350	3.304	5.7	20.9
3 22	12 10.17	−11 9.4	2.329	3.313	3.2	20.8
4 1	12 0.90	−10 43.4	2.337	3.322	3.6	20.8
4 11	11 52.36	−10 12.8	2.376	3.329	6.3	21.0
4 21	11 45.19	− 9 41.8	2.442	3.337	9.2	21.2
5 1	11 39.87	− 9 14.8	2.533	3.343	11.8	21.4

116033 2003 WY_{92} 3 22.9 307.°63 4.°4/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.45	−12 56.6	1.489	2.323	16.4	19.4
3 2	12 26.48	−13 1.0	1.408	2.315	12.7	19.1
3 12	12 19.11	−12 42.2	1.349	2.307	8.6	18.9
3 22	12 10.17	−12 1.6	1.314	2.299	4.9	18.6
4 1	12 0.88	−11 4.2	1.305	2.292	5.3	18.6
4 11	11 52.58	− 9 58.5	1.322	2.284	9.2	18.8
4 21	11 46.32	− 8 53.6	1.362	2.277	13.5	19.0
5 1	11 42.82	− 7 57.9	1.422	2.271	17.4	19.3

451775 2013 GA_{64} 3 22.9 30.°22 9.°6/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 24.73	−30 7.0	1.170	1.945	23.5	20.0
3 2	12 22.04	−29 16.9	1.107	1.956	20.0	19.8
3 12	12 16.73	−27 33.8	1.060	1.969	15.9	19.6
3 22	12 9.94	−24 58.6	1.032	1.983	12.0	19.4
4 1	12 3.13	−21 41.5	1.028	1.998	9.7	19.3
4 11	11 57.77	−18 2.2	1.049	2.013	10.7	19.4
4 21	11 54.83	−14 23.6	1.094	2.030	14.1	19.6
5 1	11 54.80	−11 5.4	1.163	2.047	18.0	19.9

310497 2000 UJ_{83} 3 22.9 221.°15 2.°9/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.42	+ 4 5.3	1.783	2.653	12.4	20.9
3 2	12 27.46	+ 5 6.5	1.708	2.646	8.7	20.7
3 12	12 19.46	+ 6 14.4	1.659	2.637	4.8	20.4
3 22	12 10.20	+ 7 22.0	1.637	2.628	3.0	20.3
4 1	12 0.73	+ 8 21.3	1.645	2.618	6.2	20.5
4 11	11 52.15	+ 9 5.7	1.678	2.608	10.3	20.7
4 21	11 45.35	+ 9 31.5	1.736	2.597	14.0	20.9
5 1	11 40.90	+ 9 37.3	1.814	2.585	17.2	21.1

49558 1999 CN_{92} 3 22.9 50.°59 5.°4/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.68	+12 57.0	1.883	2.761	11.4	18.5
3 2	12 25.95	+13 50.9	1.836	2.771	8.4	18.3
3 12	12 18.49	+14 40.9	1.814	2.781	5.9	18.2
3 22	12 10.12	+15 20.0	1.820	2.791	5.6	18.2
4 1	12 1.80	+15 42.7	1.853	2.802	7.9	18.3
4 11	11 54.48	+15 45.9	1.911	2.812	10.8	18.5
4 21	11 48.87	+15 29.4	1.992	2.823	13.7	18.7
5 1	11 45.39	+14 54.7	2.092	2.834	16.1	18.9

207362 2005 JE_{147} 3 22.9 182.°62 4.°8/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.10	+13 18.4	2.571	3.444	8.9	20.5
3 2	12 23.18	+14 44.5	2.513	3.445	6.6	20.4
3 12	12 16.96	+16 8.6	2.484	3.445	4.9	20.3
3 22	12 9.98	+17 24.2	2.483	3.445	5.1	20.3
4 1	12 2.94	+18 25.9	2.512	3.444	7.0	20.4
4 11	11 56.53	+19 9.7	2.567	3.443	9.4	20.6
4 21	11 51.31	+19 34.3	2.646	3.442	11.7	20.7
5 1	11 47.70	+19 39.9	2.745	3.440	13.6	20.9

129158 Michaelmellman 3 22.9 322.°12 5.°7/16.6 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.68	+13 44.5	2.008	2.887	10.8	19.5
3 2	12 24.58	+14 57.7	1.951	2.885	8.0	19.3
3 12	12 17.80	+16 7.8	1.919	2.882	6.0	19.2
3 22	12 10.06	+17 7.1	1.915	2.880	6.1	19.2
4 1	12 2.26	+17 49.4	1.939	2.878	8.3	19.3
4 11	11 55.29	+18 10.7	1.987	2.876	11.1	19.5
4 21	11 49.87	+18 10.0	2.058	2.874	13.8	19.7
5 1	11 46.48	+17 48.6	2.148	2.873	16.2	19.8

239874 2000 JN_{83} 3 22.9 312.°84 3.°3/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.90	+ 2 51.7	1.151	2.042	16.1	20.0
3 2	12 26.79	+ 3 41.9	1.064	2.011	11.5	19.7
3 12	12 19.64	+ 4 45.5	0.998	1.980	6.3	19.3
3 22	12 10.27	+ 5 53.9	0.956	1.949	3.4	19.0
4 1	12 0.11	+ 6 55.4	0.937	1.919	8.0	19.1
4 11	11 50.90	+ 7 38.8	0.941	1.889	14.0	19.3
4 21	11 44.13	+ 7 57.0	0.964	1.861	19.5	19.6
5 1	11 40.80	+ 7 47.0	1.003	1.833	24.3	19.8

39951 1998 FN_{116} 3 22.9 189.°80 2.°1/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.25	− 9 47.2	1.891	2.723	13.5	18.9
3 2	12 26.55	− 9 16.5	1.811	2.722	10.1	18.7
3 12	12 18.94	− 8 27.8	1.755	2.721	6.2	18.5
3 22	12 10.18	− 7 24.7	1.727	2.719	2.5	18.2
4 1	12 1.24	− 6 13.2	1.728	2.717	3.8	18.3
4 11	11 53.15	− 5 0.9	1.756	2.714	7.8	18.5
4 21	11 46.73	− 3 55.0	1.811	2.710	11.6	18.8
5 1	11 42.53	− 3 1.0	1.888	2.706	14.9	19.0

126062 2001 YE_{81} 3 22.9 41.°47 0.°6/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.42	− 4 42.7	1.273	2.142	16.4	19.6
3 2	12 27.17	− 4 16.4	1.216	2.149	11.8	19.3
3 12	12 19.43	− 3 32.7	1.180	2.157	6.5	19.0
3 22	12 10.22	− 2 37.5	1.168	2.164	1.1	18.7
4 1	12 0.94	− 1 39.3	1.182	2.172	4.9	19.0
4 11	11 52.98	− 0 47.5	1.221	2.181	10.2	19.3
4 21	11 47.34	− 0 8.9	1.283	2.189	14.9	19.6
5 1	11 44.60	+ 0 12.1	1.363	2.199	18.7	19.8

139683 2001 QG_{208} 3 22.9 87.°72 1.°5/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.97	+ 0 39.3	1.726	2.593	12.9	19.9
3 2	12 26.92	+ 1 25.4	1.676	2.612	9.0	19.7
3 12	12 19.03	+ 2 19.6	1.652	2.630	4.7	19.5
3 22	12 10.18	+ 3 15.4	1.654	2.649	1.5	19.3
4 1	12 1.40	+ 4 6.0	1.685	2.668	5.0	19.6
4 11	11 53.72	+ 4 45.3	1.743	2.686	9.0	19.9
4 21	11 47.86	+ 5 10.0	1.826	2.703	12.6	20.1
5 1	11 44.28	+ 5 18.3	1.929	2.721	15.6	20.4

50946 2000 GM_{75} 3 22.9 204.°20 3.°4/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.32	+ 8 47.5	2.311	3.180	10.0	19.3
3 2	12 25.55	+ 9 29.3	2.243	3.178	7.1	19.1
3 12	12 18.26	+10 11.4	2.203	3.176	4.3	18.9
3 22	12 10.11	+10 48.7	2.191	3.173	3.6	18.9
4 1	12 1.89	+11 16.2	2.208	3.171	5.8	19.0
4 11	11 54.40	+11 30.3	2.253	3.168	8.8	19.2
4 21	11 48.29	+11 29.5	2.322	3.165	11.6	19.3
5 1	11 44.00	+11 13.6	2.413	3.161	14.0	19.5

192823 1999 VD_{89} 3 22.9 131.°72 2.°3/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.68	−11 35.7	2.290	3.109	11.9	20.7
3 2	12 24.39	−11 2.2	2.218	3.120	9.0	20.5
3 12	12 17.64	−10 12.7	2.171	3.131	5.7	20.3
3 22	12 10.06	− 9 10.5	2.152	3.141	2.7	20.1
4 1	12 2.43	− 8 0.6	2.163	3.151	3.3	20.2
4 11	11 55.54	− 6 49.2	2.203	3.160	6.4	20.4
4 21	11 50.02	− 5 42.4	2.270	3.169	9.6	20.6
5 1	11 46.29	− 4 44.8	2.360	3.178	12.3	20.8

82169 2001 HY_3 3 22.9 287.°39 1.°5/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.63	+ 0 21.5	1.305	2.181	15.6	19.4
3 2	12 29.09	+ 0 49.8	1.222	2.161	11.2	19.1
3 12	12 20.70	+ 1 30.4	1.162	2.142	6.0	18.8
3 22	12 10.36	+ 2 17.1	1.126	2.122	1.5	18.4
4 1	11 59.47	+ 3 1.3	1.117	2.102	6.2	18.6
4 11	11 49.62	+ 3 34.4	1.131	2.082	11.8	18.9
4 21	11 42.10	+ 3 50.3	1.168	2.063	16.9	19.1
5 1	11 37.76	+ 3 46.0	1.222	2.043	21.3	19.3

172472 2003 SM_{52} 3 22.9 200.°63 1.°8/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.26	+ 1 29.2	1.926	2.789	12.0	20.9
3 2	12 27.20	+ 2 21.4	1.851	2.785	8.4	20.6
3 12	12 19.27	+ 3 21.7	1.803	2.781	4.4	20.4
3 22	12 10.22	+ 4 24.2	1.782	2.776	1.8	20.2
4 1	12 1.00	+ 5 22.0	1.791	2.771	5.1	20.4
4 11	11 52.63	+ 6 8.7	1.828	2.765	9.1	20.6
4 21	11 45.91	+ 6 40.3	1.890	2.758	12.7	20.8
5 1	11 41.38	+ 6 54.9	1.972	2.750	15.8	21.0

184992 2006 ML_{6} 3 22.9 216.°28 3.°7/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.85	+ 6 25.8	1.936	2.809	11.4	20.3
3 2	12 26.23	+ 7 44.3	1.864	2.801	8.1	20.1
3 12	12 18.76	+ 9 7.4	1.818	2.794	4.8	19.8
3 22	12 10.17	+10 27.6	1.801	2.785	4.0	19.8
4 1	12 1.41	+11 36.8	1.812	2.776	6.7	19.9
4 11	11 53.47	+12 28.8	1.851	2.767	10.3	20.1
4 21	11 47.13	+13 0.4	1.913	2.756	13.7	20.3
5 1	11 42.95	+13 10.7	1.995	2.746	16.5	20.5

303432 2005 AW_{33} 3 22.9 117.°14 3.°4/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.45	+ 4 14.7	1.586	2.463	13.3	20.6
3 2	12 26.77	+ 5 32.4	1.533	2.473	9.2	20.4
3 12	12 19.05	+ 6 56.3	1.505	2.483	5.1	20.2
3 22	12 10.19	+ 8 17.6	1.503	2.492	3.6	20.1
4 1	12 1.33	+ 9 27.1	1.530	2.502	6.8	20.3
4 11	11 53.60	+10 18.0	1.582	2.511	10.9	20.6
4 21	11 47.82	+10 47.1	1.658	2.519	14.5	20.8
5 1	11 44.47	+10 53.8	1.752	2.527	17.6	21.1

162553 2000 RH_{12} 3 22.9 42.°37 5.°1/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.73	−13 51.1	1.304	2.141	18.1	19.2
3 2	12 27.47	−14 3.7	1.243	2.149	14.1	18.9
3 12	12 19.63	−13 50.2	1.201	2.158	9.6	18.7
3 22	12 10.25	−13 12.2	1.183	2.167	5.8	18.5
4 1	12 0.74	−12 15.6	1.190	2.176	5.8	18.5
4 11	11 52.52	−11 10.0	1.222	2.186	9.6	18.8
4 21	11 46.66	−10 5.5	1.277	2.196	13.9	19.0
5 1	11 43.77	− 9 10.8	1.351	2.206	17.7	19.3

317505 2002 TH_{18} 3 22.9 243.°29 0.°3/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.54	− 4 1.2	1.872	2.724	12.8	21.5
3 2	12 26.85	− 3 29.5	1.785	2.711	9.2	21.2
3 12	12 19.17	− 2 44.6	1.722	2.698	5.1	21.0
3 22	12 10.22	− 1 50.9	1.688	2.684	0.6	20.6
4 1	12 0.98	− 0 54.3	1.681	2.669	4.1	20.8
4 11	11 52.51	− 0 1.9	1.703	2.655	8.5	21.1
4 21	11 45.68	+ 0 40.7	1.750	2.639	12.5	21.3
5 1	11 41.12	+ 1 9.3	1.818	2.624	15.9	21.5

500798 2013 GM_{1} 3 22.9 312.°57 2.°3/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.16	− 8 31.4	1.268	2.131	16.9	21.0
3 2	12 25.25	− 8 9.6	1.182	2.109	12.7	20.6
3 12	12 18.65	− 7 23.6	1.116	2.089	7.7	20.3
3 22	12 10.19	− 6 16.9	1.074	2.068	2.8	19.9
4 1	12 1.17	− 4 57.3	1.057	2.048	5.0	20.0
4 11	11 53.12	− 3 36.1	1.064	2.029	10.6	20.2
4 21	11 47.29	− 2 24.3	1.093	2.010	15.9	20.5
5 1	11 44.54	− 1 30.3	1.140	1.993	20.5	20.7

500581 2012 UW_{87} 3 22.9 134.°83 1.°0/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.49	− 6 55.3	2.544	3.380	10.3	22.2
3 2	12 23.45	− 6 23.9	2.472	3.388	7.5	22.1
3 12	12 17.10	− 5 41.2	2.426	3.395	4.3	21.9
3 22	12 10.03	− 4 50.7	2.408	3.403	1.3	21.6
4 1	12 2.90	− 3 56.8	2.421	3.410	2.9	21.8
4 11	11 56.41	− 3 4.3	2.463	3.417	6.1	22.0
4 21	11 51.10	− 2 17.6	2.532	3.423	9.0	22.2
5 1	11 47.39	− 1 40.2	2.624	3.430	11.6	22.4

52582 1997 NE_{6} 3 22.9 207.°06 3.°7/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.30	+ 5 36.5	1.811	2.688	11.9	19.6
3 2	12 25.18	+ 7 0.5	1.746	2.686	8.3	19.3
3 12	12 18.21	+ 8 30.1	1.706	2.683	4.9	19.1
3 22	12 10.14	+ 9 56.8	1.695	2.680	3.9	19.0
4 1	12 1.94	+11 12.2	1.711	2.677	6.9	19.2
4 11	11 54.63	+12 9.5	1.754	2.674	10.5	19.4
4 21	11 48.98	+12 45.2	1.821	2.670	14.0	19.6
5 1	11 45.53	+12 58.6	1.906	2.667	16.9	19.8

496441 2014 OM_{112} 3 22.9 331.°61 4.°1/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.17	+ 3 34.3	1.132	2.028	15.9	21.1
3 2	12 25.24	+ 4 57.0	1.069	2.018	11.2	20.8
3 12	12 18.58	+ 6 31.8	1.028	2.009	6.3	20.5
3 22	12 10.18	+ 8 7.1	1.011	2.001	4.4	20.3
4 1	12 1.51	+ 9 29.3	1.017	1.994	8.6	20.5
4 11	11 54.11	+10 27.7	1.046	1.987	13.8	20.8
4 21	11 49.13	+10 56.7	1.095	1.981	18.6	21.0
5 1	11 47.27	+10 55.5	1.160	1.976	22.5	21.3

308069 2004 TH_{199} 3 22.9 352.°18 0.°1/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.96	− 4 32.7	1.268	2.141	16.2	20.4
3 2	12 25.55	− 3 45.4	1.202	2.138	11.6	20.2
3 12	12 18.64	− 2 38.6	1.158	2.136	6.3	19.9
3 22	12 10.19	− 1 19.6	1.139	2.135	0.6	19.4
4 1	12 1.53	+ 0 1.6	1.145	2.134	5.2	19.8
4 11	11 54.07	+ 1 13.9	1.175	2.133	10.6	20.1
4 21	11 48.85	+ 2 9.3	1.228	2.133	15.5	20.3
5 1	11 46.50	+ 2 43.0	1.298	2.133	19.5	20.6

456770 2007 TC_{125} 3 22.9 152.°41 1.°3/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.91	− 0 2.0	1.911	2.770	12.2	22.5
3 2	12 27.57	+ 0 46.4	1.847	2.779	8.6	22.2
3 12	12 19.42	+ 1 43.6	1.809	2.787	4.5	22.0
3 22	12 10.25	+ 2 43.7	1.800	2.795	1.3	21.8
4 1	12 1.04	+ 3 40.2	1.819	2.802	4.6	22.0
4 11	11 52.78	+ 4 26.8	1.867	2.808	8.7	22.3
4 21	11 46.21	+ 4 59.7	1.940	2.814	12.2	22.5
5 1	11 41.83	+ 5 16.6	2.035	2.818	15.2	22.7

23365 4217 T_{-1} 3 22.9 19.°75 2.°8/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.47	+ 2 27.4	1.172	2.062	15.9	18.3
3 2	12 25.90	+ 3 17.2	1.121	2.067	11.1	18.0
3 12	12 18.78	+ 4 16.5	1.092	2.074	5.9	17.7
3 22	12 10.20	+ 5 16.2	1.087	2.081	2.9	17.6
4 1	12 1.59	+ 6 6.2	1.107	2.089	7.0	17.8
4 11	11 54.38	+ 6 38.6	1.150	2.099	12.0	18.1
4 21	11 49.56	+ 6 49.5	1.214	2.109	16.5	18.4
5 1	11 47.65	+ 6 38.0	1.296	2.119	20.2	18.7

378677 2008 HX_{45} 3 22.9 247.°61 2.°4/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.11	+ 4 8.1	2.248	3.111	10.5	22.3
3 2	12 26.31	+ 5 1.2	2.157	3.091	7.4	22.1
3 12	12 18.81	+ 6 0.1	2.093	3.070	4.1	21.8
3 22	12 10.22	+ 6 59.2	2.059	3.049	2.5	21.7
4 1	12 1.35	+ 7 52.6	2.054	3.027	5.2	21.8
4 11	11 53.11	+ 8 34.7	2.077	3.004	8.8	22.0
4 21	11 46.23	+ 9 2.2	2.126	2.980	12.1	22.1
5 1	11 41.27	+ 9 13.1	2.196	2.956	14.9	22.3

190420 1999 VZ_{70} 3 22.9 137.°79 1.°2/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.01	+ 0 57.4	2.460	3.316	9.9	21.2
3 2	12 25.20	+ 1 41.3	2.398	3.329	6.9	21.0
3 12	12 18.03	+ 2 31.1	2.363	3.341	3.6	20.8
3 22	12 10.14	+ 3 22.2	2.358	3.353	1.2	20.7
4 1	12 2.24	+ 4 9.8	2.384	3.364	3.9	20.9
4 11	11 55.06	+ 4 49.4	2.438	3.375	7.1	21.1
4 21	11 49.17	+ 5 18.1	2.519	3.385	10.0	21.3
5 1	11 44.97	+ 5 34.0	2.623	3.395	12.4	21.5

70585 1999 TA_{170} 3 22.9 359.°05 0.°3/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.00	− 1 58.0	1.218	2.098	16.2	18.3
3 2	12 26.35	− 1 38.3	1.155	2.095	11.6	18.0
3 12	12 19.10	− 1 4.2	1.114	2.093	6.2	17.7
3 22	12 10.25	− 0 21.8	1.096	2.093	0.6	17.3
4 1	12 1.20	+ 0 20.7	1.104	2.093	5.4	17.7
4 11	11 53.42	+ 0 54.9	1.135	2.094	10.9	18.0
4 21	11 47.98	+ 1 14.7	1.188	2.096	15.7	18.2
5 1	11 45.54	+ 1 16.6	1.258	2.098	19.7	18.5

471146 2010 FY_{2} 3 22.9 272.°12 2.°9/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.65	+ 4 59.4	2.172	3.044	10.4	21.3
3 2	12 23.89	+ 6 9.1	2.087	3.025	7.3	21.0
3 12	12 17.51	+ 7 24.7	2.029	3.007	4.2	20.8
3 22	12 10.10	+ 8 39.9	2.000	2.988	3.1	20.7
4 1	12 2.47	+ 9 47.7	2.000	2.969	5.8	20.8
4 11	11 55.47	+10 42.1	2.028	2.950	9.2	21.0
4 21	11 49.81	+11 19.4	2.079	2.930	12.4	21.2
5 1	11 46.02	+11 37.9	2.152	2.910	15.2	21.3

415278 2013 EP_{123} 3 22.9 282.°39 3.°0/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.83	+ 4 3.3	1.551	2.425	13.7	21.5
3 2	12 28.98	+ 4 45.9	1.459	2.398	9.8	21.2
3 12	12 20.57	+ 5 36.4	1.392	2.370	5.4	20.8
3 22	12 10.41	+ 6 27.9	1.351	2.343	3.0	20.6
4 1	11 59.69	+ 7 12.0	1.337	2.315	6.8	20.8
4 11	11 49.80	+ 7 41.3	1.349	2.286	11.6	21.0
4 21	11 41.89	+ 7 51.3	1.384	2.257	16.2	21.1
5 1	11 36.79	+ 7 40.1	1.437	2.228	20.1	21.3

228156 2009 SG_{69} 3 22.9 132.°89 1.°1/21.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.15	− 0 7.5	2.253	3.109	10.7	21.6
3 2	12 25.39	+ 0 45.9	2.192	3.123	7.5	21.4
3 12	12 18.17	+ 1 46.7	2.159	3.137	3.9	21.2
3 22	12 10.16	+ 2 49.8	2.155	3.150	1.1	21.0
4 1	12 2.15	+ 3 49.4	2.181	3.162	4.1	21.3
4 11	11 54.93	+ 4 40.2	2.235	3.174	7.5	21.5
4 21	11 49.11	+ 5 18.6	2.316	3.185	10.7	21.7
5 1	11 45.11	+ 5 42.6	2.419	3.196	13.2	21.9

406186 2006 WQ_{117} 3 23.0 87.°82 7.°4/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.35	−25 58.3	2.080	2.812	15.8	21.8
3 2	12 29.89	−26 16.7	2.027	2.850	13.2	21.7
3 12	12 20.61	−26 8.6	1.996	2.887	10.5	21.6
3 22	12 10.38	−25 34.2	1.990	2.924	8.3	21.5
4 1	12 0.28	−24 36.6	2.011	2.959	7.4	21.5
4 11	11 51.33	−23 22.9	2.059	2.993	8.4	21.6
4 21	11 44.25	−22 1.4	2.134	3.027	10.4	21.8
5 1	11 39.49	−20 40.2	2.233	3.060	12.6	22.0