182718 2001 WR_{47} 3 1.9 124°.05 4°.2/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 15.89	− 9 6.6	2.158	2.856	16.1	21.0
2 1	11 12.52	− 8 57.3	2.067	2.868	13.5	20.8
2 11	11 7.08	− 8 26.1	1.997	2.880	10.5	20.7
2 21	11 0.02	− 7 33.4	1.950	2.891	7.3	20.5
3 2	10 52.06	− 6 22.0	1.930	2.902	4.6	20.3
3 12	10 44.12	− 4 57.8	1.939	2.913	4.7	20.4
3 22	10 37.04	− 3 28.2	1.977	2.923	7.4	20.5
4 1	10 31.55	− 2 0.8	2.042	2.933	10.6	20.8

519978 2013 TD_{167} 3 1.9 174°.08 1°.3/ 3.3 17

1 22	11 17.17	+ 1 1.9	2.379	3.117	13.7	22.2
2 1	11 13.35	+ 1 10.5	2.280	3.119	11.1	22.1
2 11	11 7.56	+ 1 32.6	2.204	3.121	8.0	21.9
2 21	11 0.25	+ 2 6.5	2.154	3.122	4.5	21.6
3 2	10 52.07	+ 2 48.6	2.134	3.123	1.4	21.4
3 12	10 43.84	+ 3 34.3	2.143	3.123	3.6	21.6
3 22	10 36.36	+ 4 18.6	2.181	3.123	7.1	21.8
4 1	10 30.34	+ 4 57.2	2.246	3.123	10.4	22.0

378891 2008 UV_{10} 3 1.9 232°.47 1°.5/29.6 17

1 22	11 19.52	+10 17.8	2.289	3.058	13.3	21.2
2 1	11 15.37	+10 37.7	2.187	3.049	10.6	21.0
2 11	11 9.08	+11 6.2	2.107	3.040	7.3	20.8
2 21	11 1.08	+11 39.3	2.055	3.030	3.7	20.5
3 2	10 52.07	+12 12.4	2.032	3.021	1.6	20.3
3 12	10 42.96	+12 40.3	2.039	3.010	4.8	20.6
3 22	10 34.66	+12 59.1	2.074	3.000	8.5	20.8
4 1	10 27.93	+13 6.2	2.135	2.989	11.8	20.9

39386 4039 *P–L* 3 1.9 209°.59 0°.6/ 2.6 18

1 22	11 19.64	+ 2 22.6	2.111	2.858	15.0	20.6
2 1	11 15.69	+ 2 44.8	2.006	2.851	12.1	20.4
2 11	11 9.45	+ 3 22.7	1.922	2.844	8.7	20.2
2 21	11 1.33	+ 4 13.6	1.864	2.835	4.7	19.9
3 2	10 52.07	+ 5 13.1	1.836	2.826	0.7	19.6
3 12	10 42.65	+ 6 14.7	1.837	2.817	4.2	19.8
3 22	10 34.06	+ 7 12.2	1.867	2.806	8.4	20.1
4 1	10 27.16	+ 8 0.3	1.923	2.794	12.1	20.3

410345 2007 UR_{103} 3 1.9 48°.76 0°.9/ 2.7 18

1 22	11 16.61	+ 2 3.8	1.439	2.221	19.3	21.2
2 1	11 14.07	+ 2 20.5	1.367	2.232	15.5	21.0
2 11	11 8.65	+ 2 58.0	1.314	2.245	11.0	20.7
2 21	11 0.97	+ 3 52.8	1.284	2.258	5.9	20.5
3 2	10 52.07	+ 4 58.1	1.280	2.271	1.0	20.2
3 12	10 43.27	+ 6 4.7	1.302	2.284	5.1	20.5
3 22	10 35.82	+ 7 4.4	1.350	2.298	10.0	20.8
4 1	10 30.66	+ 7 50.5	1.421	2.312	14.4	21.1

113174 2002 RU_{102} 3 1.9 121°.04 0°.7/ 1.2 18

1 22	11 16.92	+ 7 9.9	2.708	3.463	11.8	20.6
2 1	11 12.75	+ 7 39.1	2.626	3.480	9.3	20.4
2 11	11 6.91	+ 8 17.2	2.568	3.496	6.4	20.3
2 21	10 59.82	+ 9 1.0	2.537	3.512	3.2	20.1
3 2	10 52.08	+ 9 46.2	2.537	3.527	0.7	19.9
3 12	10 44.41	+10 28.5	2.568	3.542	3.7	20.1
3 22	10 37.47	+11 4.1	2.628	3.557	6.8	20.4
4 1	10 31.82	+11 30.3	2.715	3.571	9.5	20.6

68557 2001 XF_{109} 3 1.9 292°.17 5°.5/26.7 18

1 22	11 18.12	+15 52.0	1.503	2.314	17.2	18.7
2 1	11 15.73	+16 55.8	1.407	2.293	13.7	18.4
2 11	11 10.22	+18 11.7	1.331	2.272	9.8	18.1
2 21	11 2.02	+19 31.0	1.280	2.252	6.3	17.9
3 2	10 52.07	+20 42.7	1.255	2.231	6.0	17.8
3 12	10 41.81	+21 36.0	1.256	2.210	9.5	17.9
3 22	10 32.72	+22 3.9	1.280	2.190	14.0	18.1
4 1	10 26.05	+22 4.1	1.326	2.169	18.2	18.3

365872 2011 UC_{295} 3 1.9 129°.30 0°.7/ 2.6 18

1 22	11 18.35	+ 1 40.9	1.723	2.485	17.3	21.2
2 1	11 15.02	+ 2 10.0	1.639	2.493	13.9	21.0
2 11	11 9.12	+ 2 58.5	1.576	2.502	9.9	20.7
2 21	11 1.18	+ 4 2.8	1.538	2.510	5.3	20.5
3 2	10 52.08	+ 5 16.7	1.527	2.517	0.8	20.2
3 12	10 43.00	+ 6 31.8	1.544	2.525	4.7	20.5
3 22	10 35.05	+ 7 40.3	1.589	2.531	9.2	20.7
4 1	10 29.10	+ 8 35.9	1.658	2.538	13.3	21.0

277172 2005 *OB* 3 1.9 236°.96 2°.8/ 4.2 17

1 22	11 23.48	− 2 8.1	2.050	2.772	16.1	22.2
2 1	11 19.04	− 2 14.7	1.928	2.752	13.5	22.0
2 11	11 12.03	− 2 4.2	1.826	2.731	10.1	21.7
2 21	11 2.80	− 1 36.6	1.750	2.709	6.3	21.5
3 2	10 52.09	− 0 54.1	1.701	2.686	3.0	21.2
3 12	10 40.96	− 0 1.6	1.683	2.661	4.6	21.3
3 22	10 30.57	+ 0 54.5	1.693	2.636	8.8	21.4
4 1	10 21.97	+ 1 47.6	1.730	2.608	12.9	21.6

467174 2016 EU_{110} 3 1.9 91°.87 6°.2/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 14.53	−12 27.4	1.734	2.435	19.3	20.9
2 1	11 12.12	−12 35.0	1.644	2.440	16.7	20.7
2 11	11 7.20	−12 14.4	1.570	2.445	13.4	20.5
2 21	11 0.24	−11 24.0	1.518	2.449	9.9	20.3
3 2	10 52.08	−10 5.5	1.490	2.454	6.9	20.1
3 12	10 43.86	− 8 25.5	1.489	2.458	6.5	20.1
3 22	10 36.66	− 6 33.9	1.515	2.463	9.1	20.3
4 1	10 31.42	− 4 41.6	1.566	2.467	12.6	20.5

179932 2002 VL_{78} 3 2.0 131°.77 0°.6/ 1.4 18

2 1	11 14.71	+ 6 11.9	1.922	2.781	12.0	20.6
2 11	11 8.66	+ 7 2.0	1.861	2.792	8.3	20.4
2 21	11 0.85	+ 8 1.7	1.827	2.802	4.2	20.1
3 2	10 52.09	+ 9 5.1	1.821	2.812	0.7	19.9
3 12	10 43.38	+10 5.3	1.845	2.821	4.6	20.2
3 22	10 35.65	+10 56.5	1.897	2.831	8.6	20.4
4 1	10 29.68	+11 34.6	1.974	2.839	12.1	20.7
4 11	10 25.95	+11 57.6	2.073	2.847	15.0	20.9

224566 2005 WA_{192} 3 2.0 54°.27 2°.5/ 4.4 18

2 1	11 11.86	− 3 12.4	1.563	2.406	15.1	20.5
2 11	11 6.86	− 2 22.7	1.513	2.427	11.1	20.3
2 21	10 59.97	− 1 11.6	1.485	2.449	6.6	20.1
3 2	10 52.09	+ 0 14.7	1.484	2.471	2.8	19.9
3 12	10 44.35	+ 1 47.1	1.511	2.493	4.5	20.1
3 22	10 37.79	+ 3 16.5	1.565	2.515	8.6	20.4
4 1	10 33.20	+ 4 34.8	1.643	2.538	12.5	20.6
4 11	10 31.02	+ 5 37.0	1.743	2.560	15.8	20.9

69356 1994 CA_{17} 3 2.0 16°.33 1°.9/29.5 18

2 1	11 14.09	+ 8 50.6	1.348	2.229	14.6	18.8
2 11	11 8.82	+ 9 45.2	1.290	2.230	10.1	18.5
2 21	11 1.15	+10 50.5	1.255	2.232	5.1	18.3
3 2	10 52.09	+11 57.8	1.246	2.235	2.1	18.1
3 12	10 43.04	+12 57.3	1.263	2.238	6.6	18.4
3 22	10 35.31	+13 41.5	1.305	2.241	11.5	18.6
4 1	10 29.94	+14 6.1	1.369	2.244	15.8	18.9
4 11	10 27.50	+14 10.0	1.451	2.248	19.4	19.1

500636 2012 *VH* 3 2.0 156°.24 1°.1/29.6 17

2 1	11 10.38	+ 7 51.9	2.575	3.434	9.3	22.0
2 11	11 5.38	+ 8 55.7	2.507	3.438	6.4	21.8
2 21	10 59.10	+10 6.3	2.467	3.443	3.2	21.6
3 2	10 52.10	+11 18.6	2.458	3.447	1.2	21.4
3 12	10 45.08	+12 27.0	2.479	3.451	4.1	21.6
3 22	10 38.72	+13 26.8	2.530	3.454	7.2	21.8
4 1	10 33.60	+14 14.5	2.607	3.458	10.0	22.0
4 11	10 30.13	+14 48.3	2.706	3.461	12.4	22.2

314681 2006 QL_{136} 3 2.0 231°.97 3°.0/ 4.9 17

2 1	11 14.79	− 4 18.5	2.143	2.960	12.5	21.6
2 11	11 8.81	− 3 57.9	2.047	2.946	9.5	21.3
2 21	11 1.03	− 3 19.6	1.975	2.930	6.1	21.1
3 2	10 52.10	− 2 26.1	1.932	2.914	3.3	20.9
3 12	10 42.94	− 1 22.2	1.919	2.897	4.2	20.9
3 22	10 34.46	− 0 14.0	1.934	2.879	7.7	21.1
4 1	10 27.51	+ 0 51.8	1.977	2.860	11.3	21.3
4 11	10 22.70	+ 1 49.7	2.042	2.841	14.5	21.4

104171 2000 EK_{81} 3 2.0 123°.70 2°.5/29.2 18

2 1	11 20.66	+11 53.5	1.506	2.377	14.0	19.5
2 11	11 13.12	+12 29.7	1.452	2.388	9.6	19.2
2 21	11 3.24	+13 10.4	1.423	2.399	5.0	19.0
3 2	10 52.11	+13 48.1	1.422	2.410	2.7	18.9
3 12	10 41.14	+14 15.6	1.449	2.420	6.5	19.1
3 22	10 31.63	+14 28.4	1.503	2.429	11.0	19.4
4 1	10 24.55	+14 24.6	1.579	2.438	14.9	19.7
4 11	10 20.41	+14 4.8	1.675	2.447	18.2	19.9

374147 2004 TY_{212} 3 2.0 178°.79 5°.5/ 9.2 17

2 1	11 12.05	−15 29.2	2.678	3.425	12.2	21.7
2 11	11 6.57	−15 15.8	2.589	3.427	10.0	21.6
2 21	10 59.73	−14 41.8	2.524	3.428	7.8	21.4
3 2	10 52.11	−13 48.0	2.485	3.429	5.9	21.3
3 12	10 44.42	−12 37.7	2.476	3.429	5.5	21.3
3 22	10 37.35	−11 16.1	2.496	3.428	6.9	21.4
4 1	10 31.54	− 9 49.5	2.544	3.427	9.1	21.5
4 11	10 27.42	− 8 24.1	2.617	3.425	11.4	21.7

26631 2000 GE_{136} 3 2.0 163°.09 1°.3/ 3.7 18

2 1	11 10.48	− 0 33.3	2.563	3.395	10.3	18.6
2 11	11 5.46	+ 0 10.0	2.487	3.399	7.4	18.4
2 21	10 59.16	+ 1 5.7	2.438	3.403	4.3	18.2
3 2	10 52.12	+ 2 10.1	2.418	3.406	1.5	18.0
3 12	10 45.05	+ 3 18.3	2.428	3.409	3.2	18.1
3 22	10 38.63	+ 4 25.0	2.469	3.412	6.4	18.3
4 1	10 33.44	+ 5 25.5	2.537	3.414	9.3	18.5
4 11	10 29.89	+ 6 16.2	2.628	3.416	11.9	18.7

135047 2001 ON_{44} 3 2.0 200.°90 3.°7/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 10.04	− 7 57.0	2.403	3.205	11.8	19.9
2 11	11 5.27	− 7 31.5	2.319	3.204	9.2	19.7
2 21	10 59.11	− 6 47.9	2.259	3.202	6.3	19.5
3 2	10 52.12	− 5 48.3	2.227	3.201	4.0	19.3
3 12	10 45.06	− 4 37.4	2.225	3.199	4.2	19.3
3 22	10 38.65	− 3 21.0	2.251	3.197	6.7	19.5
4 1	10 33.55	− 2 5.1	2.305	3.195	9.6	19.7
4 11	10 30.21	− 0 55.5	2.382	3.193	12.3	19.8

453368 2009 BZ_{41} 3 2.0 91.°12 0.°6/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.76	+ 6 55.2	1.548	2.410	14.2	21.3
2 11	11 12.30	+ 7 24.7	1.503	2.434	9.8	21.1
2 21	11 2.73	+ 8 3.4	1.483	2.458	4.9	20.8
3 2	10 52.13	+ 8 45.0	1.491	2.481	0.6	20.6
3 12	10 41.81	+ 9 22.6	1.527	2.504	5.2	20.9
3 22	10 32.93	+ 9 50.8	1.590	2.527	9.7	21.3
4 1	10 26.36	+10 6.3	1.678	2.549	13.6	21.5
4 11	10 22.53	+10 7.8	1.785	2.570	16.7	21.8

20993 1985 RX_{2} 3 2.0 200.°10 1.°0/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.29	+ 7 29.8	1.960	2.819	11.8	19.6
2 11	11 9.87	+ 8 16.8	1.885	2.815	8.2	19.4
2 21	11 1.56	+ 9 12.9	1.836	2.811	4.1	19.1
3 2	10 52.13	+10 12.1	1.816	2.806	1.1	18.9
3 12	10 42.60	+11 7.8	1.825	2.800	4.9	19.2
3 22	10 33.97	+11 54.1	1.863	2.793	9.0	19.4
4 1	10 27.11	+12 27.1	1.927	2.786	12.6	19.6
4 11	10 22.56	+12 44.8	2.011	2.778	15.7	19.8

275442 2011 CG_{58} 3 2.0 220.°99 0.°3/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.56	+ 3 59.4	2.095	2.946	11.5	21.7
2 11	11 7.89	+ 4 32.4	2.016	2.941	8.1	21.4
2 21	11 0.52	+ 5 16.5	1.962	2.934	4.3	21.2
3 2	10 52.14	+ 6 7.2	1.937	2.928	0.4	20.9
3 12	10 43.65	+ 6 58.9	1.942	2.921	4.0	21.1
3 22	10 35.95	+ 7 46.1	1.975	2.914	8.0	21.4
4 1	10 29.82	+ 8 24.2	2.034	2.906	11.5	21.6
4 11	10 25.77	+ 8 50.2	2.115	2.899	14.5	21.8

317076 2001 SG_{228} 3 2.0 183.°97 4.°7/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.16	+19 53.9	1.959	2.829	11.3	21.0
2 11	11 11.82	+20 35.2	1.898	2.829	8.1	20.8
2 21	11 2.51	+21 12.8	1.864	2.829	5.4	20.6
3 2	10 52.14	+21 39.9	1.858	2.829	5.0	20.6
3 12	10 41.83	+21 51.3	1.881	2.828	7.5	20.8
3 22	10 32.64	+21 44.4	1.931	2.827	10.7	21.0
4 1	10 25.43	+21 19.3	2.005	2.826	13.8	21.2
4 11	10 20.70	+20 38.2	2.099	2.824	16.3	21.3

160270 2002 TU_{59} 3 2.0 242.°84 16.°2/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 36.32	+41 24.9	1.192	2.034	18.9	19.5
2 11	11 25.30	+42 48.9	1.151	2.028	17.0	19.3
2 21	11 9.88	+43 38.9	1.130	2.021	16.2	19.3
3 2	10 52.15	+43 38.5	1.129	2.015	17.0	19.3
3 12	10 35.03	+42 41.1	1.150	2.007	19.0	19.4
3 22	10 21.02	+40 52.3	1.189	2.000	21.7	19.5
4 1	10 11.59	+38 24.6	1.246	1.992	24.4	19.7
4 11	10 7.05	+35 32.2	1.316	1.984	26.7	19.9

98284 2000 SG_{218} 3 2.0 78.°53 4.°5/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.41	+14 38.4	1.431	2.316	13.7	18.6
2 11	11 9.61	+16 3.9	1.384	2.325	9.5	18.4
2 21	11 1.51	+17 32.5	1.361	2.335	5.6	18.2
3 2	10 52.15	+18 53.2	1.365	2.344	4.9	18.1
3 12	10 42.91	+19 56.3	1.395	2.353	8.3	18.4
3 22	10 35.04	+20 36.0	1.450	2.363	12.4	18.6
4 1	10 29.51	+20 50.6	1.527	2.372	16.1	18.9
4 11	10 26.82	+20 41.8	1.622	2.381	19.2	19.1

190077 2004 TL_{11} 3 2.0 204.°75 1.°4/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.41	+ 9 9.0	2.269	3.130	10.3	21.1
2 11	11 7.68	+ 9 59.6	2.194	3.126	7.1	20.9
2 21	11 0.38	+10 56.7	2.146	3.122	3.6	20.7
3 2	10 52.15	+11 55.1	2.128	3.116	1.5	20.5
3 12	10 43.86	+12 48.9	2.139	3.111	4.6	20.7
3 22	10 36.31	+13 33.3	2.180	3.105	8.2	20.9
4 1	10 30.24	+14 4.9	2.246	3.098	11.4	21.1
4 11	10 26.12	+14 22.1	2.334	3.091	14.0	21.3

39245 2000 YY_{80} 3 2.0 182.°42 2.°6/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.04	+12 19.2	2.072	2.943	10.7	19.6
2 11	11 7.52	+13 25.2	2.007	2.943	7.3	19.4
2 21	11 0.32	+14 35.8	1.969	2.944	3.9	19.2
3 2	10 52.16	+15 44.2	1.960	2.943	2.9	19.1
3 12	10 43.97	+16 43.6	1.980	2.943	5.8	19.3
3 22	10 36.64	+17 29.0	2.028	2.942	9.3	19.5
4 1	10 30.93	+17 57.4	2.100	2.941	12.5	19.7
4 11	10 27.32	+18 8.5	2.193	2.940	15.1	19.9

108779 2001 OX_{55} 3 2.0 38.°99 3.°5/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.84	− 2 37.1	1.684	2.519	14.6	19.4
2 11	11 9.75	− 2 50.5	1.613	2.521	11.0	19.1
2 21	11 1.57	− 2 46.6	1.565	2.523	7.0	18.9
3 2	10 52.16	− 2 27.2	1.543	2.525	3.8	18.7
3 12	10 42.68	− 1 56.9	1.549	2.528	5.0	18.8
3 22	10 34.24	− 1 21.7	1.582	2.530	8.8	19.0
4 1	10 27.79	− 0 47.5	1.640	2.532	12.7	19.2
4 11	10 23.90	− 0 19.9	1.719	2.535	16.0	19.5

117168 2004 RX_{15} 3 2.0 121.°87 1.°6/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.98	+10 9.9	2.200	3.062	10.6	20.9
2 11	11 8.66	+10 54.0	2.145	3.077	7.2	20.7
2 21	11 0.81	+11 42.7	2.117	3.092	3.6	20.5
3 2	10 52.16	+12 30.8	2.118	3.106	1.7	20.4
3 12	10 43.61	+13 12.8	2.150	3.120	4.7	20.6
3 22	10 35.98	+13 44.6	2.210	3.134	8.1	20.9
4 1	10 29.93	+14 3.8	2.296	3.147	11.2	21.1
4 11	10 25.90	+14 9.5	2.404	3.159	13.7	21.3

30882 Tomhenning 3 2.0 246.°48 1.°0/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.81	+ 0 20.6	2.014	2.858	12.2	17.9
2 11	11 6.80	+ 1 21.6	1.926	2.845	8.8	17.7
2 21	11 0.03	+ 2 39.7	1.863	2.832	4.9	17.4
3 2	10 52.16	+ 4 9.6	1.829	2.819	1.1	17.1
3 12	10 44.11	+ 5 44.0	1.825	2.806	4.0	17.3
3 22	10 36.80	+ 7 14.8	1.850	2.792	8.2	17.5
4 1	10 31.03	+ 8 35.1	1.901	2.777	12.0	17.7
4 11	10 27.40	+ 9 40.1	1.974	2.763	15.2	17.9

503020 2015 FW_{116} 3 2.0 85.°79 2.°4/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 10.75	− 3 30.4	2.178	3.005	12.0	21.0
2 11	11 5.79	− 2 53.7	2.111	3.017	8.9	20.8
2 21	10 59.38	− 2 0.7	2.070	3.029	5.5	20.6
3 2	10 52.17	− 0 55.4	2.057	3.041	2.6	20.5
3 12	10 44.98	+ 0 16.8	2.073	3.053	3.7	20.6
3 22	10 38.58	+ 1 29.3	2.118	3.065	7.0	20.8
4 1	10 33.64	+ 2 36.4	2.189	3.077	10.2	21.0
4 11	10 30.58	+ 3 33.4	2.284	3.088	12.9	21.2

392958 2012 WK_{28} 3 2.0 166.°84 1.°6/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.81	+ 0 15.1	1.665	2.508	14.3	21.7
2 11	11 11.12	+ 0 48.8	1.596	2.514	10.4	21.5
2 21	11 2.27	+ 1 39.7	1.551	2.519	5.9	21.2
3 2	10 52.17	+ 2 42.9	1.533	2.522	1.8	21.0
3 12	10 42.03	+ 3 50.9	1.545	2.525	4.6	21.2
3 22	10 33.00	+ 4 55.9	1.584	2.528	9.2	21.4
4 1	10 26.05	+ 5 51.3	1.648	2.529	13.3	21.7
4 11	10 21.75	+ 6 32.6	1.734	2.530	16.7	21.9

283910 2004 FK_{23} 3 2.0 268.°62 0.°9/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.19	+ 2 7.0	1.422	2.282	15.3	21.5
2 11	11 9.78	+ 2 47.9	1.338	2.267	11.0	21.2
2 21	11 1.81	+ 3 48.4	1.278	2.251	6.0	20.9
3 2	10 52.17	+ 5 2.8	1.244	2.235	1.0	20.5
3 12	10 42.18	+ 6 22.0	1.237	2.218	5.4	20.7
3 22	10 33.23	+ 7 36.1	1.255	2.201	10.8	21.0
4 1	10 26.55	+ 8 36.8	1.297	2.184	15.7	21.2
4 11	10 22.89	+ 9 18.9	1.358	2.167	19.8	21.4

497447 2005 YH_{22} 3 2.0 111.°45 5.°3/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.85	+20 58.5	2.110	2.984	10.4	21.6
2 11	11 8.67	+22 28.8	2.072	3.002	7.5	21.4
2 21	11 0.85	+23 54.7	2.061	3.020	5.5	21.3
3 2	10 52.17	+25 8.2	2.079	3.038	5.8	21.4
3 12	10 43.63	+26 3.2	2.126	3.054	8.0	21.5
3 22	10 36.10	+26 36.5	2.199	3.071	10.7	21.7
4 1	10 30.30	+26 48.1	2.295	3.087	13.2	21.9
4 11	10 26.67	+26 39.7	2.410	3.102	15.2	22.1

190413 1999 TN_{284} 3 2.0 139.°14 0.°6/ 2.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.26	+ 1 54.2	2.489	3.329	10.3	20.8
2 11	11 6.69	+ 2 42.6	2.423	3.341	7.3	20.7
2 21	10 59.79	+ 3 41.8	2.384	3.353	3.9	20.5
3 2	10 52.17	+ 4 47.4	2.374	3.365	0.7	20.2
3 12	10 44.58	+ 5 54.0	2.396	3.376	3.3	20.5
3 22	10 37.71	+ 6 56.6	2.448	3.386	6.7	20.7
4 1	10 32.16	+ 7 50.9	2.527	3.396	9.6	20.9
4 11	10 28.34	+ 8 33.9	2.629	3.406	12.1	21.1

231893 2000 WS_{73} 3 2.0 201.°66 4.°3/26.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.50	+19 46.3	2.344	3.211	9.8	20.8
2 11	11 9.80	+20 38.4	2.277	3.207	7.0	20.6
2 21	11 1.46	+21 28.1	2.239	3.203	4.7	20.5
3 2	10 52.18	+22 9.2	2.230	3.197	4.6	20.5
3 12	10 42.89	+22 36.6	2.250	3.192	6.8	20.6
3 22	10 34.45	+22 47.5	2.298	3.185	9.6	20.8
4 1	10 27.60	+22 41.1	2.371	3.179	12.3	20.9
4 11	10 22.84	+22 18.6	2.464	3.171	14.6	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
362191 2009 FJ_{77}			3 2.0 268°.60	0°.6/ 2.5 16		
	h m	° ′			°	m
2 1	11 15.71	+ 3 48.6	1.604	2.463	13.9	21.3
2 11	11 9.86	+ 4 10.4	1.524	2.452	10.0	21.0
2 21	11 1.73	+ 4 46.2	1.468	2.441	5.3	20.7
3 2	10 52.18	+ 5 31.0	1.439	2.430	0.7	20.3
3 12	10 42.42	+ 6 18.1	1.438	2.418	4.9	20.6
3 22	10 33.66	+ 7 0.6	1.463	2.407	9.8	20.9
4 1	10 26.97	+ 7 32.8	1.512	2.395	14.1	21.1
4 11	10 23.00	+ 7 51.2	1.582	2.384	17.8	21.3
269054 2007 GW_{20}			3 2.0 178°.01	0°.7/ 2.8 17		
2 1	11 12.71	+ 2 32.5	2.448	3.290	10.4	21.5
2 11	11 7.08	+ 3 8.7	2.372	3.292	7.4	21.3
2 21	11 0.04	+ 3 55.4	2.323	3.293	4.0	21.1
3 2	10 52.19	+ 4 48.7	2.303	3.294	0.7	20.8
3 12	10 44.29	+ 5 43.6	2.314	3.294	3.4	21.0
3 22	10 37.09	+ 6 35.3	2.354	3.294	6.9	21.3
4 1	10 31.23	+ 7 19.6	2.422	3.293	10.0	21.5
4 11	10 27.15	+ 7 53.6	2.513	3.291	12.6	21.6
249134 2007 YN_{64}			3 2.0 150°.44	1°.4/29.7 18		
2 1	11 16.50	+ 8 58.0	1.965	2.826	11.6	21.6
2 11	11 9.91	+ 9 43.8	1.903	2.835	8.0	21.4
2 21	11 1.54	+10 36.4	1.867	2.843	4.0	21.2
3 2	10 52.19	+11 29.8	1.861	2.850	1.5	21.0
3 12	10 42.88	+12 17.7	1.885	2.857	5.0	21.3
3 22	10 34.57	+12 55.0	1.936	2.864	8.9	21.5
4 1	10 28.05	+13 18.6	2.013	2.869	12.3	21.7
4 11	10 23.81	+13 27.4	2.111	2.874	15.1	22.0
276932 2004 TU_{161}			3 2.0 207°.96	0°.9/ 3.1 18		
2 1	11 13.17	+ 1 38.1	2.700	3.534	9.7	22.2
2 11	11 7.35	+ 2 10.8	2.612	3.526	7.0	22.0
2 21	11 0.18	+ 2 53.8	2.550	3.518	3.9	21.8
3 2	10 52.20	+ 3 44.0	2.519	3.509	1.0	21.6
3 12	10 44.11	+ 4 36.8	2.519	3.499	3.2	21.7
3 22	10 36.61	+ 5 27.9	2.550	3.489	6.4	21.9
4 1	10 30.31	+ 6 13.3	2.608	3.477	9.4	22.1
4 11	10 25.68	+ 6 49.7	2.690	3.465	11.9	22.3
503411 2016 CR_{261}			3 2.0 264°.18	3°.2/ 5.2 17		
2 1	11 12.00	− 4 50.3	1.994	2.817	13.1	21.7
2 11	11 6.97	− 4 26.6	1.902	2.804	10.0	21.5
2 21	11 0.15	− 3 43.6	1.835	2.790	6.5	21.2
3 2	10 52.19	− 2 43.8	1.795	2.776	3.5	21.0
3 12	10 44.03	− 1 32.6	1.783	2.762	4.4	21.0
3 22	10 36.60	− 0 16.8	1.799	2.747	7.9	21.2
4 1	10 30.75	+ 0 56.3	1.842	2.733	11.6	21.4
4 11	10 27.06	+ 2 0.5	1.907	2.718	14.8	21.6
433150 2012 TD_{241}			3 2.0 88°.67	3°.6/27.0 17		
2 1	11 12.96	+17 26.4	2.302	3.175	9.7	21.1
2 11	11 7.28	+18 19.1	2.250	3.185	6.8	20.9
2 21	11 0.12	+19 10.7	2.225	3.194	4.2	20.7
3 2	10 52.20	+19 55.5	2.229	3.203	3.9	20.7
3 12	10 44.35	+20 28.4	2.262	3.213	6.2	20.9
3 22	10 37.36	+20 46.6	2.323	3.222	9.0	21.1
4 1	10 31.88	+20 48.9	2.408	3.231	11.7	21.3
4 11	10 28.33	+20 35.9	2.513	3.240	13.9	21.4
14345 Gritsevich			3 2.0 170°.92	0°.5/ 1.6 18		
2 1	11 14.26	+ 5 51.1	2.039	2.895	11.5	18.5
2 11	11 8.37	+ 6 40.6	1.970	2.898	8.0	18.2
2 21	11 0.77	+ 7 40.1	1.926	2.901	4.0	18.0
3 2	10 52.20	+ 8 43.9	1.912	2.903	0.5	17.7
3 12	10 43.60	+ 9 45.5	1.928	2.905	4.4	18.0
3 22	10 35.88	+10 39.2	1.972	2.906	8.3	18.3
4 1	10 29.79	+11 20.6	2.042	2.906	11.8	18.5
4 11	10 25.85	+11 47.4	2.133	2.907	14.7	18.7
124210 2001 OU_{100}			3 2.0 192°.66	2°.8/28.6 18		
2 1	11 17.26	+11 32.7	1.754	2.623	12.4	20.3
2 11	11 10.73	+12 41.0	1.686	2.622	8.5	20.0
2 21	11 2.09	+13 55.8	1.645	2.620	4.5	19.8
3 2	10 52.21	+15 9.0	1.632	2.617	3.0	19.7
3 12	10 42.25	+16 12.2	1.648	2.613	6.5	19.9
3 22	10 33.35	+16 59.2	1.691	2.609	10.6	20.1
4 1	10 26.46	+17 26.9	1.758	2.604	14.3	20.3
4 11	10 22.15	+17 34.8	1.845	2.598	17.4	20.5
68942 2002 PY_{125}			3 2.0 136°.61	1°.5/29.5 18		
2 1	11 12.83	+ 9 36.3	2.196	3.060	10.5	19.8
2 11	11 7.26	+10 21.8	2.131	3.065	7.2	19.6
2 21	11 0.16	+11 13.1	2.094	3.070	3.6	19.4
3 2	10 52.20	+12 4.7	2.085	3.074	1.6	19.2
3 12	10 44.26	+12 51.2	2.107	3.078	4.7	19.5
3 22	10 37.13	+13 27.9	2.156	3.083	8.2	19.7
4 1	10 31.52	+13 52.0	2.231	3.087	11.3	19.9
4 11	10 27.88	+14 2.3	2.328	3.090	13.9	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
421055 2013 QH_4			3 2.0 70°.66	2°.8/ 4.0 18		
	h m	° ′			°	m
2 1	11 18.28	− 0 8.0	1.772	2.610	13.9	20.6
2 11	11 11.35	− 0 32.8	1.703	2.615	10.2	20.4
2 21	11 2.37	− 0 44.0	1.658	2.621	6.2	20.2
3 2	10 52.22	− 0 43.4	1.641	2.626	3.0	20.0
3 12	10 42.05	− 0 34.6	1.652	2.632	4.6	20.1
3 22	10 32.96	− 0 22.1	1.692	2.637	8.6	20.3
4 1	10 25.85	− 0 10.5	1.757	2.643	12.3	20.6
4 11	10 21.28	− 0 3.9	1.843	2.648	15.5	20.8
298724 2004 FH_{99}			3 2.0 263°.84	0°.1/ 2.1 17		
2 1	11 11.59	+ 4 59.2	2.299	3.152	10.5	21.5
2 11	11 6.44	+ 5 30.6	2.218	3.145	7.4	21.3
2 21	10 59.77	+ 6 11.2	2.164	3.137	3.8	21.0
3 2	10 52.22	+ 6 57.0	2.139	3.130	0.1	20.7
3 12	10 44.58	+ 7 42.9	2.144	3.122	3.8	21.0
3 22	10 37.63	+ 8 24.3	2.177	3.115	7.4	21.2
4 1	10 32.07	+ 8 57.1	2.236	3.107	10.7	21.4
4 11	10 28.38	+ 9 18.8	2.318	3.100	13.4	21.6
118736 2000 QF_{132}			3 2.0 194°.25	0°.3/ 2.3 17		
2 1	11 16.25	+ 5 0.8	2.086	2.936	11.6	19.7
2 11	11 9.76	+ 5 15.0	2.010	2.934	8.2	19.5
2 21	11 1.50	+ 5 38.3	1.960	2.932	4.3	19.3
3 2	10 52.23	+ 6 6.9	1.939	2.930	0.4	19.0
3 12	10 42.89	+ 6 36.0	1.948	2.927	4.0	19.2
3 22	10 34.42	+ 7 1.1	1.986	2.924	8.0	19.5
4 1	10 27.60	+ 7 18.6	2.050	2.921	11.5	19.7
4 11	10 22.96	+ 7 26.2	2.136	2.917	14.4	19.9
200048 2008 MQ_3			3 2.0 298°.85	2°.2/29.4 18		
2 1	11 13.70	+ 7 49.6	1.212	2.096	15.7	20.2
2 11	11 9.02	+ 9 3.2	1.140	2.082	10.9	19.9
2 21	11 1.53	+10 33.6	1.089	2.068	5.5	19.5
3 2	10 52.23	+12 10.6	1.064	2.053	2.4	19.3
3 12	10 42.60	+13 41.0	1.064	2.039	7.5	19.5
3 22	10 34.23	+14 53.8	1.089	2.026	13.1	19.8
4 1	10 28.43	+15 41.6	1.133	2.012	18.1	20.0
4 11	10 25.98	+16 2.4	1.195	1.999	22.3	20.3
492523 2014 OJ_{52}			3 2.0 297°.29	0°.7/ 1.5 17		
2 1	11 15.82	+ 6 41.4	1.332	2.207	15.2	21.8
2 11	11 10.29	+ 7 14.8	1.258	2.195	10.7	21.5
2 21	11 2.10	+ 8 1.8	1.207	2.184	5.5	21.1
3 2	10 52.24	+ 8 55.4	1.182	2.172	0.8	20.8
3 12	10 42.13	+ 9 46.7	1.182	2.161	6.1	21.1
3 22	10 33.25	+10 27.6	1.208	2.151	11.5	21.4
4 1	10 26.81	+10 52.5	1.256	2.140	16.3	21.6
4 11	10 23.52	+10 58.7	1.322	2.130	20.3	21.9
133277 2003 SY_{16}			3 2.0 161°.82	0°.5/ 2.5 18		
2 1	11 15.93	+ 3 14.7	1.989	2.836	12.2	20.8
2 11	11 9.55	+ 3 54.1	1.920	2.843	8.6	20.6
2 21	11 1.40	+ 4 45.6	1.877	2.849	4.5	20.3
3 2	10 52.25	+ 5 44.2	1.863	2.854	0.5	20.0
3 12	10 43.09	+ 6 43.4	1.879	2.858	4.1	20.3
3 22	10 34.86	+ 7 37.3	1.923	2.862	8.2	20.6
4 1	10 28.35	+ 8 21.2	1.994	2.865	11.8	20.8
4 11	10 24.07	+ 8 52.0	2.086	2.867	14.7	21.0
139428 2001 OO_{38}			3 2.0 49°.17	7°.3/26.6 18		
2 1	11 22.38	+23 44.6	1.335	2.216	14.8	18.3
2 11	11 14.29	+24 28.6	1.310	2.242	10.9	18.1
2 21	11 3.78	+25 1.3	1.309	2.269	7.9	18.0
3 2	10 52.26	+25 13.8	1.333	2.296	7.7	18.1
3 12	10 41.37	+25 1.1	1.383	2.323	10.2	18.3
3 22	10 32.44	+24 23.9	1.456	2.351	13.6	18.6
4 1	10 26.34	+23 25.6	1.551	2.379	16.8	18.8
4 11	10 23.35	+22 11.4	1.664	2.407	19.3	19.1
208170 2000 QG			3 2.0 46°.74	2°.3/ 4.1 17		
2 1	11 14.35	− 0 10.2	2.109	2.945	12.0	19.9
2 11	11 8.38	− 0 19.6	2.039	2.951	8.8	19.7
2 21	11 0.77	− 0 16.9	1.994	2.957	5.3	19.5
3 2	10 52.26	− 0 4.1	1.978	2.963	2.4	19.3
3 12	10 43.73	+ 0 14.9	1.990	2.970	3.9	19.4
3 22	10 36.06	+ 0 36.1	2.031	2.977	7.3	19.6
4 1	10 29.98	+ 0 55.2	2.099	2.984	10.6	19.9
4 11	10 25.96	+ 1 8.8	2.188	2.991	13.5	20.1
426338 2012 WL_1			3 2.0 210°.63	4°.0/26.5 17		
2 1	11 13.31	+19 14.8	2.433	3.304	9.3	21.0
2 11	11 7.55	+20 6.0	2.370	3.302	6.6	20.9
2 21	11 0.32	+20 55.3	2.334	3.300	4.4	20.7
3 2	10 52.26	+21 37.0	2.328	3.297	4.3	20.7
3 12	10 44.19	+22 6.2	2.351	3.295	6.4	20.8
3 22	10 36.91	+22 20.3	2.401	3.292	9.1	21.0
4 1	10 31.08	+22 18.1	2.476	3.289	11.7	21.2
4 11	10 27.15	+22 0.4	2.571	3.286	13.9	21.3

425903 2011 FE_{101} 3 2.0 246.°51 0.°2/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 14.07	+ 6 8.7	2.176	3.031	11.0	21.7
2 11	11 8.27	+ 6 35.2	2.092	3.020	7.7	21.5
2 21	11 0.78	+ 7 10.4	2.034	3.008	3.9	21.2
3 2	10 52.27	+ 7 50.0	2.006	2.997	0.2	20.9
3 12	10 43.63	+ 8 28.8	2.007	2.985	4.1	21.2
3 22	10 35.72	+ 9 2.3	2.036	2.972	8.0	21.4
4 1	10 29.34	+ 9 26.6	2.092	2.960	11.4	21.6
4 11	10 25.00	+ 9 39.4	2.169	2.947	14.4	21.7

503716 2016 JE_{25} 3 2.0 301.°39 1.°4/29.8 17

2 1	11 14.19	+ 9 24.0	1.871	2.739	11.8	21.1
2 11	11 8.50	+ 9 57.9	1.801	2.736	8.2	20.8
2 21	11 0.93	+10 38.7	1.756	2.732	4.1	20.6
3 2	10 52.27	+11 20.6	1.739	2.729	1.5	20.4
3 12	10 43.57	+11 57.7	1.751	2.725	5.1	20.6
3 22	10 35.80	+12 24.8	1.790	2.722	9.2	20.9
4 1	10 29.81	+12 38.9	1.854	2.718	12.8	21.1
4 11	10 26.14	+12 38.5	1.938	2.715	15.8	21.3

138839 2000 VA_{10} 3 2.0 180.°49 0.°8/29.9 18

2 1	11 11.13	+ 8 31.6	2.932	3.787	8.4	20.8
2 11	11 5.84	+ 9 10.1	2.859	3.788	5.8	20.6
2 21	10 59.38	+ 9 53.7	2.814	3.789	2.9	20.4
3 2	10 52.27	+10 38.5	2.799	3.789	0.9	20.3
3 12	10 45.14	+11 20.5	2.815	3.788	3.5	20.5
3 22	10 38.59	+11 56.2	2.861	3.788	6.4	20.7
4 1	10 33.14	+12 23.1	2.934	3.787	9.0	20.8
4 11	10 29.19	+12 39.7	3.030	3.785	11.2	21.0

414820 2010 UF_{21} 3 2.0 144.°68 6.°9/23.9 18

2 1	11 18.55	+26 48.5	2.105	2.970	10.8	21.5
2 11	11 11.34	+28 5.9	2.063	2.981	8.4	21.3
2 21	11 2.29	+29 14.0	2.049	2.991	6.9	21.3
3 2	10 52.29	+30 4.8	2.062	3.000	7.4	21.3
3 12	10 42.42	+30 33.1	2.104	3.009	9.3	21.4
3 22	10 33.70	+30 37.2	2.170	3.017	11.8	21.6
4 1	10 26.92	+30 18.5	2.259	3.025	14.1	21.8
4 11	10 22.52	+29 40.3	2.366	3.032	16.1	21.9

165730 2001 QP_{124} 3 2.0 111.°10 0.°9/ 1.2 17

2 1	11 14.82	+ 9 2.5	2.356	3.213	10.1	20.0
2 11	11 8.52	+ 9 22.7	2.295	3.224	7.0	19.9
2 21	11 0.78	+ 9 47.7	2.261	3.236	3.5	19.7
3 2	10 52.29	+10 13.4	2.257	3.247	0.9	19.5
3 12	10 43.86	+10 35.8	2.283	3.258	4.0	19.7
3 22	10 36.26	+10 51.3	2.338	3.268	7.4	20.0
4 1	10 30.15	+10 57.9	2.420	3.279	10.4	20.2
4 11	10 25.94	+10 54.4	2.523	3.289	12.9	20.4

434333 2004 KS_{5} 3 2.0 334.°89 13.°5/19.1 17

2 1	11 7.35	−33 15.7	1.855	2.501	19.9	20.1
2 11	11 4.16	−33 40.6	1.755	2.482	18.4	19.9
2 21	10 58.89	−33 26.6	1.669	2.464	16.7	19.8
3 2	10 52.27	−32 28.3	1.601	2.447	15.0	19.6
3 12	10 45.38	−30 44.7	1.554	2.431	13.8	19.5
3 22	10 39.34	−28 20.4	1.528	2.416	13.5	19.4
4 1	10 35.18	−25 25.7	1.527	2.402	14.5	19.4
4 11	10 33.59	−22 15.2	1.548	2.389	16.3	19.5

301178 2008 YK_{117} 3 2.0 102.°58 1.°9/29.5 18

2 1	11 17.18	+ 9 3.5	1.552	2.422	13.7	21.2
2 11	11 10.66	+10 4.4	1.503	2.439	9.4	20.9
2 21	11 2.03	+11 13.5	1.479	2.456	4.7	20.7
3 2	10 52.29	+12 22.4	1.484	2.472	2.1	20.6
3 12	10 42.72	+13 22.6	1.516	2.488	6.0	20.9
3 22	10 34.47	+14 7.9	1.575	2.504	10.4	21.1
4 1	10 28.42	+14 34.9	1.657	2.519	14.2	21.4
4 11	10 25.06	+14 43.3	1.759	2.534	17.3	21.7

68077 2000 YM_{90} 3 2.0 295.°62 1.°4/29.7 18

2 1	11 12.48	+ 8 30.6	1.870	2.739	11.8	19.5
2 11	11 7.33	+ 9 22.6	1.799	2.734	8.1	19.2
2 21	11 0.34	+10 23.4	1.753	2.730	4.1	19.0
3 2	10 52.28	+11 26.6	1.736	2.725	1.5	18.8
3 12	10 44.14	+12 24.9	1.747	2.720	5.2	19.0
3 22	10 36.90	+13 12.5	1.785	2.716	9.3	19.2
4 1	10 31.37	+13 45.1	1.848	2.711	12.9	19.5
4 11	10 28.10	+14 1.2	1.931	2.707	15.9	19.7

141241 2001 XK_{256} 3 2.0 62.°11 0.°4/ 2.5 18

2 1	11 9.92	+ 2 43.8	2.200	3.051	11.0	19.8
2 11	11 5.27	+ 3 36.8	2.133	3.058	7.7	19.6
2 21	10 59.18	+ 4 41.6	2.093	3.065	4.1	19.4
3 2	10 52.28	+ 5 53.2	2.081	3.072	0.4	19.1
3 12	10 45.38	+ 7 5.2	2.099	3.079	3.7	19.4
3 22	10 39.24	+ 8 11.9	2.146	3.086	7.3	19.6
4 1	10 34.51	+ 9 8.3	2.219	3.094	10.6	19.9
4 11	10 31.62	+ 9 51.5	2.314	3.101	13.3	20.1

454301 2014 JW_{41} 3 2.0 231.°71 1.°4/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.23	+ 7 45.1	1.520	2.389	14.0	21.9
2 11	11 11.04	+ 8 35.5	1.446	2.381	9.8	21.6
2 21	11 2.42	+ 9 37.6	1.396	2.372	4.9	21.3
3 2	10 52.30	+10 44.0	1.373	2.363	1.5	21.1
3 12	10 41.98	+11 45.6	1.378	2.354	6.0	21.3
3 22	10 32.79	+12 34.9	1.410	2.344	11.0	21.6
4 1	10 25.83	+13 6.8	1.464	2.333	15.3	21.8
4 11	10 21.78	+13 19.5	1.538	2.322	19.0	22.0

148097 1999 JM_{138} 3 2.0 269.°30 2.°2/ 4.8 18

2 1	11 9.55	− 3 45.1	2.380	3.204	11.2	20.2
2 11	11 5.05	− 2 58.5	2.286	3.190	8.4	20.0
2 21	10 59.12	− 1 55.2	2.218	3.176	5.2	19.8
3 2	10 52.29	− 0 38.2	2.178	3.162	2.5	19.6
3 12	10 45.32	+ 0 46.8	2.168	3.148	3.5	19.6
3 22	10 38.95	+ 2 13.5	2.187	3.134	6.8	19.8
4 1	10 33.84	+ 3 35.4	2.235	3.120	10.1	20.0
4 11	10 30.50	+ 4 47.4	2.305	3.106	12.9	20.1

174149 2002 OH_{22} 3 2.0 173.°62 2.°4/ 4.1 18

2 1	11 15.65	− 1 9.0	1.814	2.652	13.6	20.8
2 11	11 9.55	− 0 56.0	1.741	2.653	10.0	20.6
2 21	11 1.50	− 0 26.8	1.691	2.655	6.0	20.3
3 2	10 52.30	+ 0 15.5	1.669	2.656	2.6	20.1
3 12	10 43.03	+ 1 5.1	1.676	2.656	4.4	20.2
3 22	10 34.72	+ 1 55.7	1.710	2.657	8.4	20.5
4 1	10 28.26	+ 2 41.3	1.770	2.657	12.2	20.7
4 11	10 24.20	+ 3 17.1	1.852	2.656	15.5	20.9

104865 2000 HG_{86} 3 2.0 331.°10 4.°3/27.5 18

2 1	11 13.47	+14 42.9	1.454	2.341	13.4	19.3
2 11	11 8.45	+15 52.6	1.390	2.333	9.3	19.1
2 21	11 1.08	+17 6.6	1.350	2.325	5.5	18.8
3 2	10 52.30	+18 15.0	1.337	2.317	4.7	18.8
3 12	10 43.42	+19 8.4	1.350	2.311	8.2	18.9
3 22	10 35.74	+19 40.5	1.387	2.304	12.5	19.2
4 1	10 30.29	+19 48.6	1.446	2.299	16.4	19.4
4 11	10 27.69	+19 33.7	1.522	2.294	19.7	19.6

338915 2004 DM_{66} 3 2.0 211.°86 4.°3/25.9 18

2 1	11 12.45	+18 30.9	2.225	3.101	9.9	20.6
2 11	11 7.11	+19 47.0	2.164	3.098	7.0	20.5
2 21	11 0.16	+21 2.6	2.130	3.096	4.7	20.3
3 2	10 52.30	+22 10.4	2.125	3.093	4.7	20.3
3 12	10 44.40	+23 4.1	2.149	3.091	7.1	20.4
3 22	10 37.32	+23 39.8	2.200	3.088	10.0	20.6
4 1	10 31.77	+23 56.1	2.274	3.085	12.7	20.8
4 11	10 28.24	+23 53.5	2.368	3.081	15.0	20.9

506549 2005 NE_{37} 3 2.0 220.°17 2.°8/26.9 17

2 1	11 10.48	+14 44.7	2.802	3.671	8.3	22.0
2 11	11 5.52	+16 3.0	2.728	3.663	5.8	21.9
2 21	10 59.29	+17 23.9	2.683	3.654	3.4	21.7
3 2	10 52.30	+18 41.7	2.669	3.645	3.1	21.7
3 12	10 45.22	+19 51.0	2.685	3.636	5.3	21.8
3 22	10 38.71	+20 47.5	2.730	3.627	7.9	21.9
4 1	10 33.34	+21 28.8	2.801	3.617	10.4	22.1
4 11	10 29.56	+21 54.1	2.894	3.606	12.5	22.2

158183 2001 RF_{32} 3 2.0 99.°26 2.°4/ 3.9 18

2 1	11 17.10	− 1 9.0	1.463	2.309	15.8	20.2
2 11	11 10.73	− 0 43.3	1.407	2.325	11.5	20.0
2 21	11 2.13	+ 0 2.3	1.375	2.341	6.7	19.7
3 2	10 52.31	+ 1 2.5	1.368	2.356	2.6	19.5
3 12	10 42.60	+ 2 9.3	1.389	2.371	4.9	19.7
3 22	10 34.23	+ 3 14.1	1.437	2.385	9.5	20.0
4 1	10 28.13	+ 4 9.7	1.509	2.400	13.7	20.3
4 11	10 24.82	+ 4 51.3	1.601	2.413	17.2	20.5

133745 Danieldrinnon 3 2.0 67.°82 1.°6/29.5 18

2 1	11 12.81	+ 9 34.0	1.974	2.842	11.3	20.2
2 11	11 7.40	+10 20.9	1.913	2.848	7.7	20.0
2 21	11 0.31	+11 14.3	1.879	2.855	3.9	19.8
3 2	10 52.31	+12 8.0	1.872	2.861	1.7	19.7
3 12	10 44.34	+12 55.9	1.895	2.868	5.0	19.9
3 22	10 37.28	+13 32.9	1.946	2.874	8.8	20.1
4 1	10 31.89	+13 56.1	2.021	2.881	12.1	20.4
4 11	10 28.63	+14 4.3	2.117	2.888	14.9	20.6

419043 2009 RC_{20} 3 2.0 105.°15 2.°7/ 4.9 18

2 1	11 14.69	− 3 46.1	2.171	2.990	12.3	22.0
2 11	11 8.49	− 3 22.5	2.113	3.013	9.2	21.8
2 21	11 0.79	− 2 43.3	2.080	3.036	5.7	21.7
3 2	10 52.31	− 1 51.7	2.076	3.059	2.9	21.5
3 12	10 43.94	− 0 53.1	2.102	3.081	3.9	21.6
3 22	10 36.48	+ 0 6.8	2.157	3.102	7.0	21.8
4 1	10 30.60	+ 1 2.4	2.239	3.123	10.1	22.1
4 11	10 26.70	+ 1 49.6	2.344	3.143	12.8	22.3

28781 Timothylohr 3 2.0 135°.89 0°.3/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 12.04	+ 3 53.0	2.385	3.233	10.4	19.5
2 11	11 6.65	+ 4 27.3	2.317	3.240	7.3	19.3
2 21	10 59.87	+ 5 11.0	2.275	3.247	3.8	19.1
3 2	10 52.31	+ 6 0.0	2.262	3.253	0.4	18.8
3 12	10 44.76	+ 6 49.4	2.280	3.259	3.5	19.1
3 22	10 37.93	+ 7 34.6	2.326	3.265	7.0	19.3
4 1	10 32.47	+ 8 11.7	2.400	3.271	10.0	19.5
4 11	10 28.80	+ 8 38.2	2.495	3.276	12.6	19.7

396851 2004 RO_{336} 3 2.0 52°.78 2°.1/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.27	+ 0 12.7	1.282	2.142	16.6	20.9
2 11	11 9.69	+ 0 35.6	1.229	2.155	12.0	20.6
2 21	11 1.67	+ 1 18.9	1.197	2.167	6.9	20.4
3 2	10 52.32	+ 2 16.7	1.191	2.180	2.2	20.1
3 12	10 43.07	+ 3 20.3	1.211	2.193	5.2	20.4
3 22	10 35.25	+ 4 20.4	1.256	2.207	10.2	20.7
4 1	10 29.88	+ 5 9.6	1.323	2.221	14.7	21.0
4 11	10 27.49	+ 5 43.1	1.410	2.235	18.5	21.2

193790 2001 OL_{72} 3 2.1 164°.96 0°.9/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.94	+ 7 36.5	1.772	2.631	12.8	20.3
2 11	11 11.83	+ 8 11.8	1.706	2.636	8.9	20.1
2 21	11 2.66	+ 8 55.8	1.666	2.641	4.5	19.8
3 2	10 52.33	+ 9 42.5	1.655	2.646	0.9	19.6
3 12	10 42.00	+10 25.2	1.673	2.649	5.1	19.9
3 22	10 32.79	+10 58.6	1.719	2.652	9.4	20.1
4 1	10 25.61	+11 18.9	1.790	2.654	13.2	20.4
4 11	10 20.99	+11 24.8	1.882	2.655	16.4	20.6

118798 2000 SR_{32} 3 2.1 122°.44 4°.4/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.59	+18 39.1	1.930	2.802	11.3	19.8
2 11	11 10.75	+19 24.9	1.876	2.809	8.0	19.6
2 21	11 2.03	+20 8.2	1.849	2.816	5.1	19.4
3 2	10 52.33	+20 42.2	1.850	2.823	4.7	19.4
3 12	10 42.74	+21 1.3	1.880	2.830	7.2	19.6
3 22	10 34.27	+21 2.8	1.936	2.836	10.5	19.8
4 1	10 27.73	+20 46.4	2.016	2.842	13.5	20.0
4 11	10 23.59	+20 13.9	2.116	2.848	16.0	20.2

205589 2001 TW_{173} 3 2.1 135°.26 0°.2/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.07	+ 6 46.7	2.378	3.231	10.2	20.5
2 11	11 8.06	+ 7 2.4	2.308	3.235	7.1	20.3
2 21	11 0.59	+ 7 24.7	2.266	3.240	3.6	20.1
3 2	10 52.33	+ 7 49.8	2.253	3.244	0.2	19.8
3 12	10 44.07	+ 8 13.8	2.270	3.248	3.7	20.1
3 22	10 36.58	+ 8 33.1	2.317	3.252	7.2	20.3
4 1	10 30.52	+ 8 44.8	2.390	3.256	10.2	20.5
4 11	10 26.32	+ 8 47.3	2.485	3.260	12.8	20.7

502069 2015 AZ_{188} 3 2.1 286°.47 4°.5/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.01	+16 33.2	1.879	2.760	11.1	21.5
2 11	11 7.08	+18 5.3	1.813	2.751	7.8	21.2
2 21	11 0.27	+19 39.9	1.773	2.743	5.0	21.1
3 2	10 52.32	+21 7.9	1.762	2.735	5.0	21.0
3 12	10 44.27	+22 21.0	1.779	2.726	7.8	21.2
3 22	10 37.11	+23 13.2	1.822	2.718	11.2	21.4
4 1	10 31.70	+23 42.2	1.887	2.710	14.4	21.6
4 11	10 28.61	+23 48.5	1.971	2.701	17.1	21.7

82128 2001 FC_{91} 3 2.1 239°.27 3°.3/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.53	+12 9.8	1.594	2.468	13.2	19.8
2 11	11 11.27	+13 20.5	1.518	2.455	9.2	19.6
2 21	11 2.58	+14 39.0	1.467	2.442	5.0	19.3
3 2	10 52.35	+15 56.2	1.443	2.427	3.5	19.2
3 12	10 41.88	+17 2.4	1.447	2.412	7.3	19.3
3 22	10 32.47	+17 50.3	1.478	2.397	11.8	19.6
4 1	10 25.24	+18 16.2	1.532	2.380	15.9	19.8
4 11	10 20.88	+18 19.9	1.604	2.363	19.3	20.0

496831 1995 VT_6 3 2.1 152°.35 0°.7/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.59	+ 7 58.1	2.816	3.670	8.8	22.6
2 11	11 6.18	+ 8 36.4	2.748	3.677	6.0	22.4
2 21	10 59.58	+ 9 20.0	2.709	3.683	3.0	22.2
3 2	10 52.34	+10 5.2	2.699	3.690	0.8	22.0
3 12	10 45.10	+10 47.6	2.721	3.696	3.5	22.3
3 22	10 38.49	+11 23.8	2.773	3.701	6.5	22.4
4 1	10 33.05	+11 51.1	2.851	3.706	9.1	22.6
4 11	10 29.15	+12 7.9	2.953	3.711	11.4	22.8

367200 2007 BY_{17} 3 2.1 48°.38 0°.4/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.45	+ 6 25.6	1.521	2.389	14.0	20.5
2 11	11 9.54	+ 6 50.9	1.467	2.401	9.8	20.3
2 21	11 1.51	+ 7 26.8	1.437	2.412	5.0	20.0
3 2	10 52.35	+ 8 7.2	1.434	2.425	0.4	19.7
3 12	10 43.30	+ 8 45.1	1.458	2.437	5.1	20.1
3 22	10 35.50	+ 9 14.8	1.508	2.450	9.7	20.4
4 1	10 29.87	+ 9 32.1	1.582	2.463	13.7	20.6
4 11	10 26.88	+ 9 35.2	1.676	2.476	17.0	20.9

94422 2001 TY_{36} 3 2.1 86°.70 1°.9/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.27	+10 14.2	1.417	2.289	14.6	19.1
2 11	11 12.93	+10 45.8	1.370	2.306	10.1	18.8
2 21	11 3.24	+11 23.6	1.348	2.324	5.1	18.6
3 2	10 52.37	+12 0.4	1.352	2.341	2.0	18.4
3 12	10 41.74	+12 28.9	1.384	2.359	6.2	18.8
3 22	10 32.67	+12 44.2	1.443	2.376	10.8	19.1
4 1	10 26.10	+12 44.0	1.524	2.392	14.9	19.3
4 11	10 22.48	+12 28.4	1.624	2.409	18.1	19.6

350612 2001 SW_{79} 3 2.1 143°.56 1°.7/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.22	+ 1 18.4	1.676	2.520	14.2	21.2
2 11	11 12.09	+ 1 30.2	1.611	2.530	10.3	21.0
2 21	11 2.83	+ 1 56.7	1.571	2.539	5.8	20.8
3 2	10 52.37	+ 2 33.8	1.558	2.547	1.8	20.5
3 12	10 41.92	+ 3 15.4	1.574	2.555	4.6	20.7
3 22	10 32.66	+ 3 55.2	1.618	2.562	9.0	21.0
4 1	10 25.52	+ 4 28.0	1.688	2.569	13.0	21.2
4 11	10 21.03	+ 4 49.9	1.778	2.575	16.3	21.5

388787 2008 AM_{47} 3 2.1 150°.72 3°.1/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.15	− 4 56.7	2.524	3.335	11.1	21.1
2 11	11 6.73	− 4 54.8	2.446	3.338	8.4	20.9
2 21	10 59.93	− 4 38.8	2.392	3.342	5.6	20.8
3 2	10 52.36	− 4 10.6	2.367	3.345	3.4	20.6
3 12	10 44.74	− 3 33.5	2.372	3.348	3.8	20.7
3 22	10 37.77	− 2 51.9	2.406	3.350	6.4	20.8
4 1	10 32.09	− 2 10.2	2.467	3.353	9.2	21.0
4 11	10 28.13	− 1 32.8	2.552	3.355	11.7	21.2

456791 2007 TK_{204} 3 2.1 57°.63 3°.0/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.06	+11 37.8	1.357	2.239	14.5	21.2
2 11	11 10.12	+12 38.2	1.312	2.254	9.9	21.0
2 21	11 1.85	+13 44.4	1.292	2.269	5.2	20.8
3 2	10 52.37	+14 47.0	1.298	2.284	3.3	20.7
3 12	10 43.09	+15 37.0	1.330	2.299	7.1	21.0
3 22	10 35.28	+16 8.5	1.387	2.315	11.6	21.2
4 1	10 29.89	+16 19.1	1.466	2.331	15.6	21.5
4 11	10 27.38	+16 9.7	1.564	2.347	18.8	21.8

431475 2007 SD_{21} 3 2.1 153°.10 1°.0/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.64	+ 2 54.0	2.501	3.339	10.3	21.3
2 11	11 8.41	+ 3 1.5	2.428	3.345	7.3	21.1
2 21	11 0.78	+ 3 17.8	2.382	3.350	4.0	20.9
3 2	10 52.37	+ 3 40.0	2.365	3.355	1.0	20.7
3 12	10 43.95	+ 4 4.4	2.380	3.360	3.3	20.8
3 22	10 36.26	+ 4 27.6	2.424	3.364	6.6	21.1
4 1	10 29.94	+ 4 46.1	2.495	3.368	9.6	21.3
4 11	10 25.41	+ 4 57.7	2.590	3.372	12.2	21.4

25310 1998 XY_{92} 3 2.1 175°.89 4°.2/ 7.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.44	−11 40.9	2.940	3.707	10.7	18.9
2 11	11 6.11	−11 25.2	2.853	3.710	8.6	18.7
2 21	10 59.58	−10 52.9	2.790	3.712	6.4	18.6
3 2	10 52.36	−10 5.3	2.756	3.714	4.6	18.4
3 12	10 45.09	− 9 5.4	2.752	3.715	4.4	18.4
3 22	10 38.37	− 7 57.8	2.777	3.715	6.0	18.5
4 1	10 32.76	− 6 47.5	2.831	3.715	8.3	18.7
4 11	10 28.67	− 5 39.6	2.911	3.714	10.5	18.8

153367 2001 QJ_3 3 2.1 73°.17 2°.9/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.28	− 0 0.8	1.677	2.516	14.4	19.6
2 11	11 12.19	− 0 28.6	1.607	2.520	10.7	19.4
2 21	11 2.92	− 0 42.4	1.562	2.524	6.5	19.2
3 2	10 52.38	− 0 43.9	1.543	2.529	3.1	19.0
3 12	10 41.80	− 0 36.8	1.554	2.533	4.9	19.1
3 22	10 32.35	− 0 25.6	1.591	2.537	9.0	19.3
4 1	10 25.01	− 0 15.2	1.654	2.541	12.9	19.6
4 11	10 20.36	− 0 9.9	1.738	2.546	16.2	19.8

27861 1995 BL_4 3 2.1 70°.55 4°.2/ 5.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.93	− 3 31.4	1.618	2.447	15.4	17.2
2 11	11 11.86	− 3 58.8	1.562	2.466	11.6	17.0
2 21	11 2.68	− 4 7.7	1.529	2.484	7.6	16.8
3 2	10 52.38	− 3 59.9	1.523	2.503	4.4	16.7
3 12	10 42.19	− 3 39.5	1.545	2.521	5.3	16.8
3 22	10 33.28	− 3 12.4	1.593	2.539	8.9	17.0
4 1	10 26.53	− 2 44.6	1.667	2.558	12.6	17.3
4 11	10 22.45	− 2 21.6	1.762	2.576	15.7	17.5

289072 2004 TN_{211} 3 2.1 171°.22 0°.4/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.36	+ 6 31.5	2.178	3.034	10.9	21.7
2 11	11 8.41	+ 7 3.6	2.108	3.036	7.6	21.5
2 21	11 0.84	+ 7 43.7	2.063	3.038	3.9	21.2
3 2	10 52.37	+ 8 27.3	2.048	3.039	0.4	21.0
3 12	10 43.87	+ 9 9.2	2.063	3.041	4.1	21.3
3 22	10 36.20	+ 9 44.6	2.107	3.041	7.8	21.5
4 1	10 30.07	+10 10.1	2.176	3.042	11.1	21.7
4 11	10 25.96	+10 23.8	2.268	3.042	13.9	21.9

95195 2002 BB_{16} 3 2.1 255.°46 2.°8/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.63	+14 35.4	2.000	2.866	11.2	19.7
2 11	11 11.60	+14 57.1	1.921	2.854	7.9	19.5
2 21	11 2.58	+15 19.9	1.869	2.842	4.3	19.2
3 2	10 52.39	+15 38.3	1.846	2.830	2.9	19.1
3 12	10 42.09	+15 47.1	1.852	2.817	5.9	19.3
3 22	10 32.74	+15 43.3	1.886	2.805	9.7	19.5
4 1	10 25.22	+15 25.4	1.946	2.792	13.1	19.6
4 11	10 20.10	+14 53.9	2.026	2.778	16.0	19.8

496065 2009 PT_{1} 3 2.1 144.°44 0.°6/ 2.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.76	+ 3 56.5	2.476	3.314	10.4	22.0
2 11	11 9.85	+ 4 13.1	2.409	3.328	7.3	21.9
2 21	11 1.50	+ 4 37.8	2.370	3.340	3.9	21.7
3 2	10 52.39	+ 5 7.5	2.362	3.352	0.6	21.4
3 12	10 43.32	+ 5 38.0	2.384	3.364	3.4	21.7
3 22	10 35.06	+ 6 5.6	2.437	3.374	6.8	21.9
4 1	10 28.25	+ 6 27.0	2.518	3.384	9.8	22.1
4 11	10 23.31	+ 6 40.2	2.621	3.393	12.3	22.3

381230 2007 SJ_{15} 3 2.1 125.°49 3.°5/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.76	+17 32.9	2.332	3.201	9.7	21.0
2 11	11 8.57	+18 16.4	2.276	3.209	6.8	20.8
2 21	11 0.88	+18 58.7	2.247	3.216	4.2	20.7
3 2	10 52.39	+19 34.2	2.248	3.223	3.8	20.7
3 12	10 43.96	+19 58.3	2.278	3.230	6.0	20.8
3 22	10 36.41	+20 8.3	2.336	3.236	8.9	21.0
4 1	10 30.41	+20 3.3	2.418	3.243	11.6	21.2
4 11	10 26.36	+19 43.9	2.522	3.249	13.8	21.4

126968 2002 FV_{20} 3 2.1 68.°79 9.°0/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.85	+30 25.5	1.778	2.648	12.2	19.2
2 11	11 10.52	+31 58.6	1.741	2.653	10.0	19.1
2 21	11 2.03	+33 18.0	1.729	2.659	9.0	19.0
3 2	10 52.39	+34 14.0	1.743	2.664	9.7	19.1
3 12	10 42.89	+34 40.5	1.782	2.670	11.7	19.2
3 22	10 34.72	+34 36.4	1.844	2.676	14.2	19.4
4 1	10 28.77	+34 4.3	1.925	2.681	16.5	19.6
4 11	10 25.53	+33 9.1	2.023	2.687	18.5	19.7

268574 2006 BO_{99} 3 2.1 80.°97 2.°4/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.64	+11 27.0	1.858	2.731	11.6	20.4
2 11	11 8.07	+12 24.7	1.803	2.740	8.0	20.2
2 21	11 0.71	+13 27.5	1.773	2.748	4.2	20.0
3 2	10 52.39	+14 28.3	1.771	2.757	2.6	19.9
3 12	10 44.12	+15 20.2	1.798	2.766	5.8	20.1
3 22	10 36.86	+15 58.1	1.852	2.774	9.5	20.4
4 1	10 31.39	+16 19.4	1.930	2.783	12.9	20.6
4 11	10 28.18	+16 23.5	2.028	2.791	15.7	20.8

489219 2006 KD_{50} 3 2.1 210.°08 1.°8/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.25	− 1 3.3	2.115	2.946	12.2	22.8
2 11	11 9.18	− 0 30.8	2.028	2.938	8.9	22.6
2 21	11 1.33	+ 0 17.3	1.967	2.930	5.3	22.3
3 2	10 52.40	+ 1 17.3	1.934	2.921	2.0	22.1
3 12	10 43.31	+ 2 23.5	1.931	2.912	3.9	22.2
3 22	10 34.97	+ 3 29.5	1.958	2.901	7.7	22.4
4 1	10 28.21	+ 4 29.5	2.012	2.890	11.3	22.6
4 11	10 23.57	+ 5 18.8	2.088	2.878	14.4	22.8

135361 2001 TW_{118} 3 2.1 96.°46 3.°1/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.74	− 4 21.0	2.466	3.276	11.3	19.2
2 11	11 8.45	− 4 30.0	2.402	3.295	8.6	19.1
2 21	11 0.79	− 4 25.6	2.364	3.313	5.6	18.9
3 2	10 52.40	− 4 9.4	2.354	3.332	3.4	18.8
3 12	10 44.07	− 3 44.7	2.375	3.349	3.9	18.9
3 22	10 36.51	− 3 15.4	2.425	3.367	6.5	19.1
4 1	10 30.35	− 2 45.7	2.502	3.384	9.2	19.3
4 11	10 26.00	− 2 19.4	2.603	3.401	11.7	19.4

146417 2001 QB_{217} 3 2.1 168.°67 0.°8/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.62	+ 7 3.2	2.295	3.149	10.5	21.1
2 11	11 8.53	+ 7 51.7	2.226	3.154	7.2	20.9
2 21	11 0.90	+ 8 48.0	2.184	3.159	3.6	20.6
3 2	10 52.41	+ 9 46.9	2.172	3.162	0.8	20.4
3 12	10 43.89	+10 42.8	2.190	3.165	4.2	20.7
3 22	10 36.17	+11 30.7	2.238	3.167	7.7	20.9
4 1	10 29.93	+12 7.1	2.312	3.169	10.9	21.1
4 11	10 25.63	+12 30.3	2.408	3.170	13.5	21.3

368226 2001 TY_{161} 3 2.1 222.°38 1.°5/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.97	− 0 3.3	2.160	2.996	11.8	22.1
2 11	11 8.26	+ 0 28.5	2.073	2.987	8.6	21.8
2 21	11 0.86	+ 1 14.7	2.011	2.977	5.0	21.6
3 2	10 52.41	+ 2 11.7	1.978	2.966	1.7	21.4
3 12	10 43.80	+ 3 13.8	1.975	2.955	3.8	21.5
3 22	10 35.91	+ 4 15.1	2.000	2.944	7.6	21.7
4 1	10 29.53	+ 5 10.1	2.053	2.932	11.1	21.9
4 11	10 25.19	+ 5 54.6	2.128	2.919	14.2	22.1

450466 2005 WK_{110} 3 2.1 124.°64 2.°4/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.71	+10 30.3	1.611	2.481	13.3	22.1
2 11	11 11.74	+11 32.7	1.561	2.496	9.1	21.9
2 21	11 2.64	+12 41.4	1.536	2.512	4.7	21.6
3 2	10 52.42	+13 48.3	1.539	2.526	2.6	21.5
3 12	10 42.35	+14 45.0	1.571	2.540	6.3	21.8
3 22	10 33.58	+15 25.8	1.629	2.553	10.5	22.1
4 1	10 27.02	+15 47.9	1.711	2.565	14.2	22.3
4 11	10 23.14	+15 51.4	1.813	2.577	17.3	22.6

93624 2000 UP_{73} 3 2.1 171.°98 1.°0/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.67	+ 8 20.0	2.080	2.941	11.1	19.9
2 11	11 8.69	+ 8 57.7	2.011	2.943	7.7	19.7
2 21	11 1.03	+ 9 42.5	1.969	2.944	3.9	19.5
3 2	10 52.41	+10 29.2	1.956	2.946	1.1	19.3
3 12	10 43.77	+11 12.0	1.972	2.947	4.6	19.5
3 22	10 36.00	+11 46.2	2.016	2.947	8.4	19.7
4 1	10 29.86	+12 8.5	2.087	2.948	11.7	20.0
4 11	10 25.83	+12 17.5	2.178	2.948	14.5	20.2

495912 2005 UY_{201} 3 2.1 191.°36 3.°9/ 6.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.00	− 7 47.1	2.212	3.014	12.7	22.7
2 11	11 7.53	− 7 27.2	2.128	3.013	9.9	22.5
2 21	11 0.45	− 6 48.2	2.068	3.011	6.8	22.3
3 2	10 52.41	− 5 51.9	2.036	3.009	4.3	22.1
3 12	10 44.27	− 4 43.2	2.032	3.007	4.5	22.1
3 22	10 36.86	− 3 28.2	2.058	3.004	7.3	22.3
4 1	10 30.92	− 2 13.7	2.111	3.000	10.4	22.5
4 11	10 26.96	− 1 5.7	2.187	2.996	13.3	22.7

414877 2010 VF_{193} 3 2.1 121.°63 1.°8/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.50	− 0 47.8	1.894	2.732	13.1	21.6
2 11	11 8.64	− 0 14.4	1.829	2.744	9.5	21.4
2 21	11 1.02	+ 0 34.9	1.790	2.755	5.5	21.2
3 2	10 52.42	+ 1 35.6	1.779	2.767	2.0	21.0
3 12	10 43.86	+ 2 41.3	1.796	2.777	4.0	21.2
3 22	10 36.27	+ 3 45.2	1.842	2.788	8.0	21.4
4 1	10 30.42	+ 4 41.4	1.914	2.798	11.6	21.7
4 11	10 26.80	+ 5 25.6	2.008	2.808	14.6	21.9

228147 2009 SB_{18} 3 2.1 171.°98 3.°7/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.91	− 9 21.7	2.748	3.530	11.0	21.7
2 11	11 7.19	− 8 54.9	2.664	3.535	8.6	21.6
2 21	11 0.17	− 8 11.3	2.604	3.539	6.1	21.4
3 2	10 52.42	− 7 12.8	2.574	3.542	4.0	21.3
3 12	10 44.62	− 6 3.4	2.574	3.545	4.0	21.3
3 22	10 37.44	− 4 48.2	2.605	3.547	6.2	21.4
4 1	10 31.46	− 3 32.7	2.664	3.547	8.7	21.6
4 11	10 27.12	− 2 22.1	2.749	3.547	11.1	21.7

194070 2001 SM_{142} 3 2.1 64.°07 1.°4/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.43	+ 3 1.8	1.329	2.191	16.1	20.0
2 11	11 11.95	+ 3 5.6	1.269	2.197	11.5	19.7
2 21	11 2.93	+ 3 24.9	1.232	2.203	6.3	19.5
3 2	10 52.44	+ 3 54.9	1.220	2.210	1.5	19.2
3 12	10 41.99	+ 4 28.6	1.235	2.217	5.3	19.4
3 22	10 32.96	+ 4 59.0	1.275	2.224	10.4	19.7
4 1	10 26.45	+ 5 20.5	1.339	2.231	15.0	20.0
4 11	10 23.04	+ 5 29.5	1.421	2.238	18.8	20.3

430439 2000 LF_{6} 3 2.1 337.°16 14.°3/14.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.72	+31 25.2	1.113	2.008	15.9	22.4
2 11	11 9.08	+34 32.2	1.012	1.934	14.4	22.1
2 21	11 2.53	+37 45.8	0.933	1.861	14.9	21.8
3 2	10 52.44	+40 43.2	0.875	1.787	17.8	21.7
3 12	10 40.30	+42 59.9	0.837	1.715	22.4	21.7
3 22	10 28.45	+44 18.9	0.814	1.644	27.6	21.7
4 1	10 19.55	+44 33.7	0.802	1.574	32.8	21.7
4 11	10 15.65	+43 48.0	0.796	1.508	37.6	21.7

421500 2014 OZ_{71} 3 2.1 144.°09 1.°8/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.25	+ 9 32.2	1.899	2.763	11.8	22.2
2 11	11 9.86	+10 31.9	1.840	2.773	8.1	22.0
2 21	11 1.65	+11 38.5	1.808	2.783	4.1	21.8
3 2	10 52.44	+12 45.0	1.804	2.792	2.0	21.6
3 12	10 43.27	+13 44.2	1.830	2.801	5.4	21.9
3 22	10 35.13	+14 30.7	1.884	2.809	9.3	22.1
4 1	10 28.82	+15 1.2	1.963	2.816	12.7	22.4
4 11	10 24.82	+15 14.9	2.063	2.822	15.6	22.6

5961 Watt 3 2.1 356.°80 0.°5/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.67	+ 4 34.3	1.189	2.067	16.4	16.6
2 11	11 8.90	+ 4 51.3	1.126	2.063	11.6	16.3
2 21	11 1.47	+ 5 24.3	1.085	2.060	6.2	16.0
3 2	10 52.43	+ 6 7.2	1.068	2.059	0.5	15.6
3 12	10 43.31	+ 6 51.5	1.076	2.058	5.7	16.0
3 22	10 35.56	+ 7 28.8	1.107	2.058	11.3	16.3
4 1	10 30.38	+ 7 52.9	1.160	2.060	16.2	16.6
4 11	10 28.39	+ 8 0.3	1.231	2.062	20.3	16.8

90745 1993 HW_2 3 2.1 55°.87 0°.6/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 11.67	+ 1 34.4	1.670	2.527	13.6	19.1
2 11	11 6.82	+ 2 35.3	1.614	2.540	9.6	18.9
2 21	11 0.13	+ 3 52.3	1.582	2.554	5.1	18.7
3 2	10 52.44	+ 5 18.6	1.578	2.569	0.7	18.4
3 12	10 44.82	+ 6 45.5	1.602	2.583	4.4	18.7
3 22	10 38.25	+ 8 4.6	1.653	2.598	8.8	19.0
4 1	10 33.53	+ 9 9.8	1.730	2.613	12.6	19.2
4 11	10 31.13	+ 9 57.5	1.827	2.628	15.8	19.5

472779 2015 FO_{148} 3 2.1 257°.68 1°.4/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.52	+ 9 40.0	2.476	3.338	9.5	21.9
2 11	11 6.42	+10 29.1	2.391	3.324	6.5	21.7
2 21	10 59.87	+11 24.3	2.334	3.309	3.3	21.5
3 2	10 52.44	+12 20.8	2.306	3.295	1.5	21.3
3 12	10 44.89	+13 13.2	2.309	3.280	4.4	21.5
3 22	10 37.95	+13 56.9	2.340	3.264	7.7	21.7
4 1	10 32.30	+14 28.7	2.398	3.249	10.8	21.8
4 11	10 28.41	+14 46.9	2.477	3.233	13.3	22.0

23371 1364 $T\text{-}_2$ 3 2.1 188°.69 1°.9/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.56	− 1 5.4	1.994	2.832	12.5	19.1
2 11	11 7.33	− 0 32.0	1.918	2.832	9.2	18.9
2 21	11 0.39	+ 0 17.3	1.866	2.831	5.4	18.7
3 2	10 52.45	+ 1 18.7	1.843	2.831	2.1	18.4
3 12	10 44.43	+ 2 26.0	1.849	2.830	3.9	18.6
3 22	10 37.24	+ 3 32.7	1.882	2.829	7.7	18.8
4 1	10 31.64	+ 4 32.5	1.942	2.828	11.3	19.0
4 11	10 28.15	+ 5 21.1	2.024	2.826	14.4	19.2

498906 2009 AE_{20} 3 2.1 157°.48 0°.9/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.60	+ 2 43.8	2.224	3.071	11.1	21.7
2 11	11 7.20	+ 3 5.7	2.150	3.071	7.9	21.5
2 21	11 0.26	+ 3 38.3	2.102	3.072	4.3	21.2
3 2	10 52.45	+ 4 18.0	2.083	3.073	0.9	21.0
3 12	10 44.60	+ 4 59.9	2.093	3.074	3.6	21.2
3 22	10 37.50	+ 5 39.3	2.132	3.075	7.2	21.4
4 1	10 31.86	+ 6 12.0	2.197	3.075	10.5	21.6
4 11	10 28.14	+ 6 35.1	2.285	3.076	13.3	21.8

497270 2005 MK_{45} 3 2.1 176°.90 5°.5/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.53	−15 0.8	3.026	3.766	11.0	21.6
2 11	11 7.60	−15 26.6	2.937	3.768	9.2	21.4
2 21	11 0.40	−15 36.1	2.873	3.769	7.3	21.3
3 2	10 52.46	−15 28.9	2.837	3.770	5.8	21.2
3 12	10 44.40	−15 6.8	2.829	3.771	5.5	21.2
3 22	10 36.89	−14 32.8	2.850	3.771	6.7	21.3
4 1	10 30.50	−13 51.1	2.899	3.771	8.5	21.4
4 11	10 25.66	−13 6.5	2.972	3.770	10.4	21.5

244087 2001 UH_{52} 3 2.1 150°.33 2°.3/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.47	+10 50.4	1.752	2.619	12.6	21.3
2 11	11 11.53	+11 45.2	1.694	2.628	8.6	21.0
2 21	11 2.56	+12 45.8	1.661	2.637	4.5	20.8
3 2	10 52.47	+13 45.0	1.657	2.644	2.4	20.7
3 12	10 42.44	+14 35.1	1.683	2.652	6.0	20.9
3 22	10 33.56	+15 11.1	1.735	2.658	10.0	21.2
4 1	10 26.74	+15 30.0	1.812	2.664	13.7	21.4
4 11	10 22.47	+15 31.6	1.909	2.669	16.6	21.6

469158 2015 HZ_6 3 2.1 253°.44 3°.5/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.38	− 6 4.5	2.537	3.342	11.2	21.6
2 11	11 7.02	− 6 3.2	2.439	3.326	8.7	21.4
2 21	11 0.20	− 5 47.0	2.366	3.311	5.9	21.2
3 2	10 52.46	− 5 17.2	2.321	3.295	3.7	21.1
3 12	10 44.53	− 4 36.7	2.305	3.279	4.1	21.1
3 22	10 37.17	− 3 50.1	2.319	3.263	6.7	21.2
4 1	10 31.04	− 3 2.2	2.360	3.246	9.6	21.4
4 11	10 26.67	− 2 17.7	2.425	3.229	12.3	21.5

68019 2000 YS_{15} 3 2.1 78°.80 1°.0/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.74	+ 7 52.5	1.478	2.346	14.4	19.0
2 11	11 11.80	+ 8 25.7	1.433	2.367	9.9	18.8
2 21	11 2.68	+ 9 7.7	1.412	2.388	5.0	18.6
3 2	10 52.47	+ 9 51.7	1.418	2.409	1.1	18.3
3 12	10 42.51	+10 30.1	1.453	2.430	5.5	18.7
3 22	10 34.00	+10 57.6	1.513	2.450	10.1	19.0
4 1	10 27.83	+11 10.9	1.598	2.471	14.1	19.3
4 11	10 24.43	+11 9.0	1.701	2.491	17.3	19.5

36338 2000 NN_9 3 2.1 147°.86 0°.1/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 10.57	+ 4 6.0	2.831	3.676	9.0	19.4
2 11	11 5.52	+ 4 50.5	2.761	3.684	6.3	19.2
2 21	10 59.30	+ 5 43.2	2.719	3.691	3.3	19.0
3 2	10 52.45	+ 6 40.1	2.708	3.699	0.1	18.7
3 12	10 45.60	+ 7 36.8	2.727	3.705	3.1	19.0
3 22	10 39.35	+ 8 29.1	2.776	3.712	6.1	19.2
4 1	10 34.21	+ 9 13.7	2.853	3.718	8.8	19.4
4 11	10 30.58	+ 9 48.1	2.953	3.724	11.1	19.6

488934 2005 UZ_{101} 3 2.1 272°.08 3°.8/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.39	+12 35.8	1.368	2.250	14.3	20.8
2 11	11 10.73	+13 46.9	1.299	2.240	10.0	20.5
2 21	11 2.43	+15 6.1	1.254	2.229	5.5	20.2
3 2	10 52.48	+16 22.9	1.235	2.219	4.1	20.1
3 12	10 42.33	+17 26.4	1.242	2.208	8.1	20.3
3 22	10 33.42	+18 8.9	1.274	2.197	12.9	20.5
4 1	10 26.96	+18 26.9	1.328	2.186	17.3	20.7
4 11	10 23.64	+18 20.6	1.398	2.175	20.9	20.9

333413 2002 XZ_{17} 3 2.1 101°.59 2°.3/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.93	+13 15.9	2.561	3.424	9.2	21.2
2 11	11 7.83	+14 7.5	2.517	3.450	6.3	21.1
2 21	11 0.46	+15 0.5	2.501	3.474	3.4	20.9
3 2	10 52.47	+15 50.1	2.515	3.498	2.4	20.9
3 12	10 44.61	+16 31.4	2.560	3.522	4.8	21.1
3 22	10 37.57	+17 1.4	2.634	3.545	7.6	21.3
4 1	10 31.90	+17 18.6	2.734	3.568	10.1	21.5
4 11	10 27.97	+17 22.6	2.856	3.590	12.2	21.7

423555 2005 UR_{350} 3 2.1 120°.01 4°.1/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.32	− 7 50.1	2.106	2.908	13.3	21.6
2 11	11 8.41	− 7 38.0	2.038	2.923	10.3	21.4
2 21	11 0.88	− 7 6.6	1.995	2.937	7.1	21.3
3 2	10 52.47	− 6 18.2	1.979	2.952	4.5	21.1
3 12	10 44.09	− 5 17.5	1.992	2.965	4.7	21.2
3 22	10 36.58	− 4 11.0	2.033	2.978	7.4	21.3
4 1	10 30.67	− 3 5.0	2.102	2.991	10.4	21.6
4 11	10 26.82	− 2 5.3	2.194	3.003	13.2	21.8

220300 2003 EP_2 3 2.1 57°.45 1°.0/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.20	+ 4 27.4	1.617	2.485	13.4	20.3
2 11	11 6.61	+ 6 3.6	1.559	2.493	9.2	20.1
2 21	11 0.08	+ 7 55.1	1.525	2.501	4.6	19.8
3 2	10 52.47	+ 9 52.6	1.519	2.510	1.1	19.6
3 12	10 44.86	+11 45.2	1.543	2.519	5.4	19.9
3 22	10 38.29	+13 23.3	1.593	2.527	9.9	20.2
4 1	10 33.62	+14 40.7	1.667	2.537	13.8	20.4
4 11	10 31.35	+15 34.7	1.762	2.546	17.0	20.7

94666 2001 XS_9 3 2.1 190°.51 3°.8/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.02	+15 13.1	1.766	2.637	12.2	20.2
2 11	11 12.03	+16 10.7	1.701	2.636	8.5	19.9
2 21	11 2.88	+17 10.1	1.663	2.635	5.0	19.7
3 2	10 52.50	+18 3.5	1.652	2.632	4.1	19.7
3 12	10 42.08	+18 43.5	1.671	2.630	7.1	19.8
3 22	10 32.79	+19 5.5	1.716	2.626	11.0	20.1
4 1	10 25.58	+19 7.9	1.786	2.622	14.5	20.3
4 11	10 21.02	+18 51.7	1.874	2.618	17.4	20.5

378791 2008 SQ_{84} 3 2.1 229°.87 1°.2/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.88	+ 1 54.1	2.144	2.987	11.6	21.7
2 11	11 8.19	+ 2 12.8	2.062	2.981	8.3	21.5
2 21	11 0.84	+ 2 43.3	2.006	2.974	4.7	21.3
3 2	10 52.48	+ 3 22.3	1.978	2.968	1.3	21.0
3 12	10 44.01	+ 4 4.8	1.980	2.961	3.8	21.2
3 22	10 36.29	+ 4 45.8	2.011	2.954	7.6	21.4
4 1	10 30.10	+ 5 20.7	2.067	2.946	11.0	21.6
4 11	10 25.95	+ 5 46.0	2.146	2.939	14.0	21.8

133515 2003 SU_{303} 3 2.1 226°.88 1°.2/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.10	+ 7 42.0	1.892	2.753	12.1	21.3
2 11	11 9.97	+ 8 32.3	1.811	2.743	8.4	21.1
2 21	11 1.85	+ 9 32.3	1.756	2.732	4.2	20.8
3 2	10 52.50	+10 36.0	1.730	2.720	1.2	20.5
3 12	10 42.96	+11 36.1	1.733	2.708	5.1	20.8
3 22	10 34.30	+12 26.3	1.764	2.695	9.4	21.0
4 1	10 27.42	+13 2.1	1.821	2.681	13.2	21.2
4 11	10 22.93	+13 21.5	1.897	2.667	16.4	21.4

89174 2001 UO_{55} 3 2.1 257°.42 3°.0/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.69	− 1 28.4	1.588	2.428	15.1	19.8
2 11	11 11.48	− 1 27.4	1.498	2.411	11.3	19.5
2 21	11 2.81	− 1 7.8	1.432	2.395	7.0	19.2
3 2	10 52.51	− 0 32.1	1.391	2.377	3.2	18.9
3 12	10 41.82	+ 0 14.3	1.379	2.359	5.1	19.0
3 22	10 32.06	+ 1 4.4	1.393	2.341	9.8	19.2
4 1	10 24.40	+ 1 50.8	1.432	2.322	14.3	19.4
4 11	10 19.61	+ 2 27.3	1.490	2.303	18.2	19.6

503086 2015 FF_{290} 3 2.1 259°.06 8°.0/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.12	+31 46.9	2.315	3.177	10.1	20.5
2 11	11 7.78	+33 37.1	2.267	3.170	8.5	20.4
2 21	11 0.66	+35 16.6	2.247	3.163	8.0	20.3
3 2	10 52.49	+36 36.9	2.254	3.155	8.9	20.4
3 12	10 44.22	+37 32.2	2.287	3.148	10.6	20.5
3 22	10 36.82	+38 0.2	2.344	3.140	12.7	20.6
4 1	10 31.08	+38 1.5	2.420	3.133	14.6	20.7
4 11	10 27.54	+37 39.5	2.512	3.125	16.3	20.9

345527 2006 LB_5 3 2.1 154°.08 3°.5/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 12.47	+16 15.2	2.390	3.262	9.4	20.8
2 11	11 7.05	+17 28.1	2.332	3.267	6.6	20.6
2 21	11 0.17	+18 41.7	2.302	3.271	4.1	20.5
3 2	10 52.49	+19 49.6	2.301	3.276	3.8	20.4
3 12	10 44.81	+20 46.0	2.331	3.280	6.1	20.6
3 22	10 37.89	+21 27.0	2.388	3.284	8.9	20.8
4 1	10 32.40	+21 50.8	2.469	3.287	11.6	21.0
4 11	10 28.76	+21 57.5	2.571	3.290	13.8	21.1

97195 1999 WC_{26} 3 2.1 255°.98 3°.6/27.4 18

2 1	11 13.85	+15 29.7	2.050	2.924	10.7	19.8
2 11	11 8.27	+16 30.4	1.979	2.915	7.4	19.5
2 21	11 0.91	+17 33.3	1.934	2.906	4.4	19.3
3 2	10 52.50	+18 31.2	1.918	2.896	3.8	19.3
3 12	10 43.99	+19 17.8	1.931	2.887	6.6	19.4
3 22	10 36.32	+19 48.4	1.970	2.877	10.0	19.6
4 1	10 30.32	+20 0.9	2.034	2.867	13.1	19.8
4 11	10 26.50	+19 55.4	2.118	2.858	15.8	20.0

14446 Kinkowan 3 2.1 139°.55 4°.2/ 7.4 18

2 1	11 11.44	−10 12.2	2.560	3.343	11.7	17.8
2 11	11 6.25	− 9 54.2	2.483	3.353	9.3	17.6
2 21	10 59.74	− 9 18.2	2.430	3.361	6.7	17.5
3 2	10 52.49	− 8 26.1	2.405	3.370	4.6	17.3
3 12	10 45.22	− 7 21.8	2.409	3.378	4.5	17.3
3 22	10 38.61	− 6 10.7	2.443	3.386	6.4	17.5
4 1	10 33.27	− 4 58.4	2.505	3.393	9.0	17.7
4 11	10 29.62	− 3 50.3	2.591	3.400	11.4	17.8

118478 2000 AD_{211} 3 2.1 184°.39 0°.9/ 2.8 18

2 1	11 17.98	+ 2 37.7	1.655	2.505	14.0	21.4
2 11	11 11.40	+ 3 6.5	1.583	2.506	10.0	21.1
2 21	11 2.61	+ 3 50.0	1.535	2.506	5.5	20.9
3 2	10 52.52	+ 4 43.2	1.515	2.506	1.0	20.5
3 12	10 42.33	+ 5 38.9	1.524	2.504	4.7	20.8
3 22	10 33.22	+ 6 30.1	1.560	2.502	9.4	21.1
4 1	10 26.20	+ 7 11.0	1.621	2.500	13.5	21.3
4 11	10 21.85	+ 7 38.1	1.702	2.497	17.0	21.5

52512 1996 GO_{19} 3 2.1 325°.61 3°.8/ 5.2 18

2 1	11 11.54	− 4 33.7	1.501	2.341	15.8	18.7
2 11	11 7.14	− 4 14.6	1.421	2.332	12.0	18.4
2 21	11 0.52	− 3 31.3	1.364	2.323	7.8	18.2
3 2	10 52.50	− 2 26.8	1.331	2.314	4.1	17.9
3 12	10 44.27	− 1 8.3	1.325	2.306	5.2	18.0
3 22	10 37.02	+ 0 14.9	1.345	2.298	9.4	18.2
4 1	10 31.81	+ 1 33.5	1.388	2.291	13.8	18.4
4 11	10 29.28	+ 2 39.5	1.452	2.284	17.6	18.6

496069 2009 RT_{18} 3 2.1 157°.01 1°.7/ 4.0 17

2 1	11 14.55	− 0 48.9	2.473	3.298	10.8	22.8
2 11	11 8.41	− 0 24.2	2.400	3.307	7.9	22.7
2 21	11 0.85	+ 0 12.7	2.353	3.316	4.7	22.5
3 2	10 52.51	+ 0 58.7	2.336	3.323	1.9	22.3
3 12	10 44.15	+ 1 49.3	2.350	3.330	3.4	22.4
3 22	10 36.53	+ 2 39.6	2.394	3.336	6.6	22.6
4 1	10 30.27	+ 3 25.4	2.465	3.341	9.6	22.8
4 11	10 25.82	+ 4 3.0	2.560	3.346	12.2	23.0

244148 2001 WQ_{32} 3 2.1 108°.08 1°.8/29.1 18

2 1	11 11.75	+10 44.8	2.347	3.213	9.8	20.5
2 11	11 6.53	+11 35.5	2.285	3.219	6.7	20.3
2 21	10 59.90	+12 30.8	2.250	3.226	3.4	20.1
3 2	10 52.50	+13 25.3	2.245	3.232	1.9	20.0
3 12	10 45.11	+14 13.8	2.270	3.238	4.7	20.2
3 22	10 38.48	+14 52.0	2.322	3.244	7.9	20.4
4 1	10 33.24	+15 17.3	2.401	3.250	10.8	20.6
4 11	10 29.82	+15 28.6	2.501	3.256	13.2	20.8

248696 2006 KZ_{115} 3 2.1 176°.40 5°.9/24.4 17

2 1	11 14.92	+24 27.0	2.245	3.116	10.0	21.5
2 11	11 8.87	+25 37.1	2.193	3.117	7.6	21.3
2 21	11 1.15	+26 41.1	2.167	3.118	6.0	21.2
3 2	10 52.51	+27 31.8	2.170	3.118	6.3	21.2
3 12	10 43.90	+28 4.0	2.200	3.118	8.3	21.4
3 22	10 36.21	+28 15.2	2.256	3.118	10.8	21.5
4 1	10 30.18	+28 5.6	2.336	3.118	13.2	21.7
4 11	10 26.28	+27 37.2	2.433	3.118	15.3	21.8

188492 2004 PU_{35} 3 2.1 212°.43 0°.8/ 3.1 17

2 1	11 12.45	+ 0 56.5	2.573	3.407	10.2	21.3
2 11	11 7.02	+ 1 49.9	2.483	3.399	7.3	21.1
2 21	11 0.19	+ 2 55.8	2.421	3.389	4.0	20.8
3 2	10 52.51	+ 4 10.0	2.389	3.379	0.9	20.6
3 12	10 44.70	+ 5 27.2	2.389	3.369	3.3	20.8
3 22	10 37.49	+ 6 41.7	2.418	3.357	6.7	21.0
4 1	10 31.50	+ 7 48.4	2.476	3.345	9.8	21.1
4 11	10 27.23	+ 8 43.9	2.557	3.332	12.5	21.3

500264 2012 LC_9 3 2.1 204°.41 0°.7/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 11.99	+ 5 33.0	2.204	3.060	10.8	21.8
2 11	11 6.86	+ 6 46.8	2.127	3.056	7.5	21.6
2 21	11 0.15	+ 8 11.6	2.077	3.052	3.8	21.4
3 2	10 52.51	+ 9 41.3	2.057	3.048	0.8	21.1
3 12	10 44.77	+11 8.6	2.068	3.043	4.4	21.4
3 22	10 37.75	+12 27.0	2.107	3.038	8.1	21.6
4 1	10 32.18	+13 31.5	2.173	3.032	11.4	21.8
4 11	10 28.55	+14 19.4	2.261	3.026	14.2	22.0

176641 2002 NQ_9 3 2.1 133°.92 0°.8/ 1.3 18

2 1	11 15.36	+ 6 15.9	2.057	2.913	11.5	20.7
2 11	11 9.13	+ 7 17.6	1.999	2.928	7.9	20.5
2 21	11 1.27	+ 8 28.6	1.968	2.943	4.0	20.3
3 2	10 52.52	+ 9 42.4	1.966	2.957	0.8	20.1
3 12	10 43.83	+10 52.2	1.995	2.970	4.5	20.4
3 22	10 36.09	+11 52.2	2.052	2.982	8.3	20.6
4 1	10 30.00	+12 38.4	2.135	2.994	11.6	20.8
4 11	10 26.03	+13 8.9	2.240	3.005	14.3	21.1

314142 2005 EE_{203} 3 2.1 275°.09 0°.5/ 1.6 17

2 1	11 14.58	+ 5 39.7	1.681	2.545	13.2	21.1
2 11	11 9.20	+ 6 27.1	1.593	2.525	9.3	20.8
2 21	11 1.58	+ 7 28.2	1.529	2.504	4.8	20.5
3 2	10 52.52	+ 8 37.0	1.493	2.484	0.6	20.2
3 12	10 43.14	+ 9 45.3	1.485	2.463	5.2	20.4
3 22	10 34.62	+10 45.5	1.504	2.442	10.1	20.7
4 1	10 28.01	+11 31.3	1.546	2.420	14.4	20.9
4 11	10 24.02	+11 59.4	1.609	2.399	18.1	21.1

336912 2011 HU_{21} 3 2.1 184°.83 0°.2/ 2.3 17

2 1	11 11.82	+ 3 43.9	2.209	3.060	11.0	21.0
2 11	11 6.70	+ 4 32.7	2.135	3.060	7.7	20.8
2 21	11 0.05	+ 5 32.7	2.087	3.060	4.0	20.6
3 2	10 52.51	+ 6 39.0	2.068	3.059	0.2	20.3
3 12	10 44.92	+ 7 45.5	2.079	3.058	3.8	20.6
3 22	10 38.07	+ 8 46.5	2.119	3.058	7.5	20.8
4 1	10 32.66	+ 9 37.3	2.185	3.057	10.9	21.0
4 11	10 29.17	+10 14.9	2.274	3.055	13.7	21.2

468846 2012 VK_{111} 3 2.1 258°.18 6°.1/23.9 17

2 1	11 14.08	+26 0.7	2.341	3.210	9.7	20.7
2 11	11 8.28	+27 6.8	2.286	3.206	7.5	20.6
2 21	11 0.85	+28 5.9	2.257	3.203	6.2	20.5
3 2	10 52.52	+28 51.4	2.257	3.199	6.6	20.5
3 12	10 44.20	+29 18.1	2.285	3.196	8.4	20.6
3 22	10 36.75	+29 24.1	2.338	3.192	10.8	20.7
4 1	10 30.90	+29 9.4	2.413	3.188	13.1	20.9
4 11	10 27.10	+28 36.3	2.507	3.185	15.0	21.0

363331 2002 PN_{151} 3 2.1 214°.28 0°.9/ 1.2 17

2 1	11 15.52	+ 7 12.1	2.009	2.867	11.6	22.1
2 11	11 9.46	+ 8 1.0	1.930	2.860	8.0	21.9
2 21	11 1.55	+ 8 59.3	1.877	2.852	4.1	21.6
3 2	10 52.53	+10 1.3	1.853	2.844	1.0	21.4
3 12	10 43.38	+11 0.3	1.860	2.835	4.8	21.6
3 22	10 35.05	+11 50.4	1.894	2.825	8.8	21.8
4 1	10 28.41	+12 27.4	1.954	2.815	12.4	22.0
4 11	10 24.00	+12 49.1	2.035	2.804	15.5	22.2

224303 2005 TU_{190} 3 2.1 187°.81 3°.7/27.7 17

2 1	11 15.35	+15 29.1	1.888	2.763	11.4	21.3
2 11	11 9.36	+16 25.8	1.826	2.763	7.9	21.1
2 21	11 1.48	+17 24.1	1.790	2.763	4.7	20.9
3 2	10 52.53	+18 16.6	1.783	2.762	3.9	20.8
3 12	10 43.57	+18 56.6	1.804	2.762	6.8	21.0
3 22	10 35.62	+19 19.9	1.851	2.761	10.3	21.2
4 1	10 29.51	+19 24.7	1.922	2.760	13.6	21.4
4 11	10 25.75	+19 11.7	2.013	2.759	16.3	21.6

490258 2008 WE_{141} 3 2.1 146°.13 3°.4/ 5.8 17

2 1	11 13.07	− 5 51.2	2.356	3.164	11.8	21.6
2 11	11 7.47	− 5 43.7	2.280	3.171	9.1	21.4
2 21	11 0.42	− 5 20.4	2.229	3.177	6.1	21.2
3 2	10 52.52	− 4 43.2	2.206	3.183	3.7	21.1
3 12	10 44.59	− 3 56.0	2.213	3.188	4.1	21.1
3 22	10 37.39	− 3 3.9	2.248	3.193	6.8	21.3
4 1	10 31.58	− 2 12.1	2.311	3.198	9.7	21.5
4 11	10 27.61	− 1 25.5	2.397	3.202	12.4	21.7

505191 2012 TJ_{133} 3 2.1 155°.96 1°.1/ 3.6 17

2 1	11 10.73	− 0 13.3	2.672	3.503	9.9	22.1
2 11	11 5.72	+ 0 36.6	2.597	3.509	7.1	21.9
2 21	10 59.47	+ 1 38.5	2.549	3.515	4.1	21.7
3 2	10 52.53	+ 2 48.4	2.532	3.521	1.2	21.5
3 12	10 45.57	+ 4 1.2	2.545	3.526	3.1	21.7
3 22	10 39.22	+ 5 11.9	2.588	3.530	6.2	21.9
4 1	10 34.05	+ 6 15.8	2.660	3.535	9.0	22.1
4 11	10 30.47	+ 7 9.5	2.755	3.538	11.5	22.3

322846 2001 TC_{187} 3 2.1 184.°56 4.°5/26.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.40	+20 15.4	2.229	3.095	10.2	21.8
2 11	11 11.27	+21 5.2	2.167	3.095	7.4	21.6
2 21	11 2.39	+21 51.8	2.132	3.095	5.0	21.4
3 2	10 52.56	+22 28.8	2.127	3.094	4.8	21.4
3 12	10 42.74	+22 50.8	2.151	3.093	7.1	21.5
3 22	10 33.89	+22 55.5	2.203	3.091	10.0	21.7
4 1	10 26.76	+22 42.5	2.280	3.088	12.7	21.9
4 11	10 21.84	+22 13.3	2.376	3.085	15.0	22.1

385963 2006 WM_{37} 3 2.1 125.°53 2.°5/ 5.1 17

2 1	11 10.10	− 3 56.8	2.447	3.268	11.1	21.4
2 11	11 5.40	− 3 29.6	2.369	3.269	8.3	21.2
2 21	10 59.35	− 2 47.6	2.315	3.271	5.3	21.0
3 2	10 52.53	− 1 53.5	2.290	3.273	2.7	20.9
3 12	10 45.66	− 0 52.0	2.295	3.274	3.5	20.9
3 22	10 39.43	+ 0 11.7	2.329	3.276	6.4	21.1
4 1	10 34.47	+ 1 12.4	2.390	3.277	9.4	21.3
4 11	10 31.21	+ 2 5.5	2.474	3.279	12.0	21.5

103159 1999 XP_{224} 3 2.1 142.°04 1.°3/29.7 18

2 1	11 13.21	+ 8 56.0	2.181	3.044	10.6	20.2
2 11	11 7.65	+ 9 43.1	2.116	3.049	7.3	20.0
2 21	11 0.53	+10 36.6	2.078	3.054	3.7	19.8
3 2	10 52.55	+11 31.1	2.069	3.058	1.4	19.6
3 12	10 44.57	+12 20.9	2.090	3.063	4.6	19.8
3 22	10 37.41	+13 1.3	2.139	3.067	8.1	20.1
4 1	10 31.76	+13 29.0	2.214	3.071	11.3	20.3
4 11	10 28.10	+13 42.8	2.310	3.075	14.0	20.5

298854 2004 RF_{236} 3 2.1 229.°91 0.°2/ 1.9 18

2 1	11 18.67	+ 6 4.8	1.644	2.503	13.7	20.7
2 11	11 11.99	+ 6 25.7	1.566	2.495	9.6	20.4
2 21	11 3.00	+ 6 57.5	1.513	2.487	5.0	20.1
3 2	10 52.57	+ 7 35.1	1.487	2.478	0.2	19.7
3 12	10 41.97	+ 8 11.7	1.490	2.469	5.1	20.1
3 22	10 32.42	+ 8 41.5	1.520	2.459	9.9	20.3
4 1	10 24.98	+ 9 0.0	1.574	2.449	14.1	20.5
4 11	10 20.30	+ 9 4.8	1.648	2.438	17.7	20.7

46983 1998 SX_{161} 3 2.1 114.°17 0.°6/ 1.6 18 R

2 1	11 15.27	+ 5 45.0	1.855	2.713	12.4	19.4
2 11	11 9.20	+ 6 39.5	1.799	2.729	8.6	19.2
2 21	11 1.35	+ 7 44.2	1.769	2.744	4.3	19.0
3 2	10 52.56	+ 8 52.8	1.768	2.759	0.6	18.8
3 12	10 43.85	+ 9 57.9	1.796	2.773	4.6	19.1
3 22	10 36.17	+10 53.5	1.852	2.787	8.7	19.4
4 1	10 30.32	+11 35.2	1.934	2.801	12.3	19.6
4 11	10 26.73	+12 1.1	2.036	2.814	15.2	19.8

82019 2000 SK_{23} 3 2.1 182.°31 4.°4/ 8.7 18

2 1	11 9.83	−13 31.0	2.994	3.752	10.8	19.8
2 11	11 5.06	−13 8.1	2.904	3.753	8.8	19.7
2 21	10 59.14	−12 27.6	2.838	3.753	6.6	19.5
3 2	10 52.55	−11 30.7	2.800	3.752	4.9	19.4
3 12	10 45.91	−10 20.7	2.792	3.752	4.5	19.4
3 22	10 39.80	− 9 2.1	2.813	3.751	6.0	19.5
4 1	10 34.74	− 7 40.4	2.863	3.749	8.1	19.6
4 11	10 31.14	− 6 20.8	2.938	3.748	10.2	19.8

93476 2000 TG_{17} 3 2.1 76.°01 1.°9/29.2 18

2 1	11 12.81	+ 8 35.5	1.772	2.643	12.2	19.8
2 11	11 7.57	+ 9 53.9	1.721	2.658	8.3	19.6
2 21	11 0.55	+11 20.6	1.696	2.673	4.2	19.4
3 2	10 52.58	+12 47.6	1.700	2.688	2.1	19.2
3 12	10 44.68	+14 6.3	1.732	2.703	5.6	19.5
3 22	10 37.83	+15 10.3	1.791	2.718	9.5	19.8
4 1	10 32.79	+15 55.8	1.875	2.732	13.0	20.0
4 11	10 30.02	+16 21.6	1.978	2.747	15.8	20.2

218651 2005 SD_{119} 3 2.1 119.°95 0.°7/ 1.3 18

2 1	11 13.49	+ 5 28.6	2.076	2.932	11.4	21.0
2 11	11 7.85	+ 6 41.8	2.019	2.948	7.8	20.8
2 21	11 0.64	+ 8 5.1	1.989	2.964	3.9	20.6
3 2	10 52.58	+ 9 31.8	1.988	2.979	0.8	20.4
3 12	10 44.57	+10 54.6	2.018	2.993	4.4	20.7
3 22	10 37.46	+12 7.1	2.076	3.007	8.2	20.9
4 1	10 31.94	+13 4.9	2.161	3.021	11.4	21.2
4 11	10 28.44	+13 46.0	2.267	3.034	14.1	21.4

305700 2009 BR_{165} 3 2.1 49.°37 1.°8/29.9 18

2 1	11 17.22	+ 9 19.9	1.285	2.165	15.3	21.0
2 11	11 11.12	+ 9 56.7	1.236	2.176	10.6	20.7
2 21	11 2.53	+10 42.3	1.210	2.187	5.3	20.5
3 2	10 52.60	+11 28.6	1.210	2.199	1.9	20.3
3 12	10 42.84	+12 7.0	1.235	2.212	6.4	20.6
3 22	10 34.60	+12 31.3	1.286	2.224	11.4	20.9
4 1	10 28.89	+12 38.4	1.359	2.237	15.7	21.2
4 11	10 26.24	+12 27.8	1.450	2.250	19.2	21.4

358592 2007 UN_{56} 3 2.1 163.°32 4.°0/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.75	+16 11.9	1.815	2.686	12.0	21.1
2 11	11 11.77	+17 8.1	1.756	2.691	8.4	20.9
2 21	11 2.75	+18 4.6	1.724	2.695	5.0	20.7
3 2	10 52.61	+18 53.8	1.721	2.699	4.3	20.6
3 12	10 42.51	+19 28.9	1.746	2.702	7.1	20.8
3 22	10 33.56	+19 46.0	1.798	2.704	10.8	21.0
4 1	10 26.64	+19 44.0	1.873	2.707	14.1	21.2
4 11	10 22.27	+19 24.2	1.968	2.708	16.8	21.4

20400 1998 OB_4 3 2.1 66.°46 1.°4/ 3.1 18

2 1	11 15.91	+ 1 13.0	1.261	2.124	16.7	19.0
2 11	11 10.29	+ 1 48.8	1.205	2.134	12.0	18.8
2 21	11 2.16	+ 2 44.7	1.172	2.144	6.6	18.5
3 2	10 52.60	+ 3 54.1	1.164	2.154	1.5	18.2
3 12	10 43.11	+ 5 6.9	1.182	2.164	5.3	18.5
3 22	10 35.06	+ 6 13.5	1.225	2.175	10.6	18.8
4 1	10 29.51	+ 7 6.2	1.291	2.185	15.2	19.1
4 11	10 27.01	+ 7 40.9	1.375	2.196	19.1	19.4

105717 2000 SM_{76} 3 2.1 117.°75 2.°8/28.7 18

2 1	11 17.57	+11 43.8	1.687	2.558	12.7	20.0
2 11	11 10.94	+12 49.5	1.638	2.574	8.7	19.8
2 21	11 2.31	+14 0.1	1.614	2.589	4.6	19.6
3 2	10 52.61	+15 7.4	1.618	2.603	3.0	19.5
3 12	10 43.05	+16 3.5	1.651	2.617	6.4	19.8
3 22	10 34.71	+16 43.0	1.711	2.631	10.4	20.0
4 1	10 28.45	+17 3.5	1.795	2.644	13.9	20.3
4 11	10 24.74	+17 5.4	1.898	2.656	16.8	20.5

148710 2001 TJ_{20} 3 2.1 114.°07 4.°5/ 6.0 18

2 1	11 15.29	− 6 31.7	1.873	2.687	14.2	20.0
2 11	11 9.34	− 6 39.9	1.802	2.693	11.0	19.8
2 21	11 1.51	− 6 28.6	1.753	2.700	7.5	19.6
3 2	10 52.61	− 5 59.3	1.732	2.706	4.8	19.5
3 12	10 43.64	− 5 16.4	1.738	2.712	5.2	19.5
3 22	10 35.62	− 4 25.9	1.772	2.718	8.2	19.7
4 1	10 29.38	− 3 34.4	1.831	2.724	11.6	19.9
4 11	10 25.46	− 2 48.0	1.913	2.729	14.6	20.1

341676 2007 VP_{90} 3 2.1 60.°04 8.°2/22.1 18

2 1	11 16.74	+32 3.1	2.120	2.980	11.0	19.7
2 11	11 10.24	+33 13.9	2.083	2.987	9.1	19.6
2 21	11 1.90	+34 11.3	2.071	2.993	8.2	19.5
3 2	10 52.61	+34 47.8	2.086	3.000	8.8	19.6
3 12	10 43.48	+34 59.1	2.126	3.006	10.5	19.7
3 22	10 35.51	+34 44.5	2.191	3.013	12.6	19.8
4 1	10 29.47	+34 6.2	2.276	3.020	14.6	20.0
4 11	10 25.81	+33 8.2	2.378	3.027	16.4	20.2

246312 2007 TT_{158} 3 2.1 49.°46 2.°2/29.3 18

2 1	11 16.19	+12 42.1	1.915	2.784	11.5	20.0
2 11	11 9.78	+13 2.4	1.863	2.799	7.9	19.8
2 21	11 1.64	+13 25.1	1.838	2.813	4.1	19.6
3 2	10 52.62	+13 44.9	1.841	2.828	2.3	19.5
3 12	10 43.75	+13 57.1	1.873	2.843	5.3	19.8
3 22	10 35.96	+13 58.6	1.932	2.858	9.0	20.0
4 1	10 30.01	+13 48.0	2.016	2.873	12.2	20.2
4 11	10 26.31	+13 25.2	2.120	2.889	14.9	20.5

268579 2006 BY_{121} 3 2.1 188.°72 0.°7/ 2.8 18

2 1	11 14.19	+ 3 18.1	2.179	3.025	11.3	20.8
2 11	11 8.39	+ 3 41.0	2.103	3.024	8.0	20.6
2 21	11 0.97	+ 4 14.5	2.053	3.024	4.3	20.3
3 2	10 52.62	+ 4 54.7	2.032	3.023	0.8	20.1
3 12	10 44.20	+ 5 36.6	2.041	3.021	3.7	20.3
3 22	10 36.57	+ 6 15.4	2.079	3.020	7.5	20.5
4 1	10 30.45	+ 6 47.0	2.143	3.018	10.9	20.7
4 11	10 26.34	+ 7 8.4	2.229	3.016	13.7	20.9

388012 2005 RB_{35} 3 2.1 33.°39 4.°1/ 6.2 17

2 1	11 12.85	− 6 47.0	2.301	3.106	12.2	21.0
2 11	11 7.42	− 7 1.1	2.223	3.108	9.5	20.8
2 21	11 0.46	− 6 59.4	2.169	3.111	6.6	20.6
3 2	10 52.62	− 6 42.7	2.142	3.113	4.4	20.5
3 12	10 44.70	− 6 14.2	2.144	3.116	4.6	20.5
3 22	10 37.51	− 5 38.2	2.175	3.118	7.0	20.7
4 1	10 31.72	− 4 59.8	2.232	3.121	9.9	20.9
4 11	10 27.81	− 4 23.8	2.312	3.124	12.5	21.0

148571 2001 QB_{260} 3 2.1 102.°12 1.°9/ 3.8 18

2 1	11 16.85	+ 0 13.4	1.921	2.758	13.0	20.6
2 11	11 10.25	+ 0 25.8	1.863	2.777	9.4	20.4
2 21	11 1.90	+ 0 51.9	1.830	2.795	5.4	20.2
3 2	10 52.64	+ 1 28.0	1.826	2.814	2.0	20.0
3 12	10 43.48	+ 2 8.8	1.851	2.831	4.0	20.2
3 22	10 35.36	+ 2 48.9	1.904	2.849	7.8	20.4
4 1	10 29.04	+ 3 23.5	1.983	2.866	11.3	20.7
4 11	10 24.97	+ 3 48.9	2.085	2.882	14.2	20.9

107956 2001 FF_{122} 3 2.1 303°.04 4°.2/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 14.96	+14 20.2	1.443	2.327	13.6	19.3
2 11	11 9.74	+15 26.7	1.369	2.310	9.5	19.0
2 21	11 2.00	+16 38.9	1.319	2.293	5.5	18.8
3 2	10 52.64	+17 47.1	1.295	2.276	4.6	18.6
3 12	10 43.03	+18 41.2	1.297	2.260	8.3	18.8
3 22	10 34.54	+19 14.2	1.324	2.244	12.8	19.0
4 1	10 28.34	+19 23.0	1.373	2.228	17.0	19.2
4 11	10 25.14	+19 8.1	1.438	2.212	20.6	19.4

384533 Tenerelli 3 2.1 282°.09 3°.2/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.79	− 4 39.6	2.256	3.074	12.0	21.0
2 11	11 6.78	− 4 33.6	2.166	3.063	9.1	20.8
2 21	11 0.19	− 4 11.8	2.100	3.052	6.0	20.6
3 2	10 52.63	− 3 35.9	2.061	3.041	3.5	20.4
3 12	10 44.90	− 2 50.0	2.052	3.029	4.1	20.4
3 22	10 37.83	− 1 58.9	2.071	3.018	7.1	20.6
4 1	10 32.14	− 1 8.2	2.116	3.007	10.3	20.8
4 11	10 28.36	− 0 23.1	2.185	2.995	13.2	20.9

370083 2001 SK_{161} 3 2.1 215°.72 0°.2/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.92	+ 5 53.0	2.325	3.173	10.6	22.1
2 11	11 9.59	+ 6 23.5	2.239	3.164	7.4	21.9
2 21	11 1.61	+ 7 2.5	2.181	3.154	3.8	21.6
3 2	10 52.65	+ 7 45.8	2.152	3.143	0.2	21.3
3 12	10 43.55	+ 8 28.5	2.155	3.132	3.9	21.6
3 22	10 35.15	+ 9 5.8	2.186	3.120	7.6	21.8
4 1	10 28.21	+ 9 34.2	2.245	3.107	11.0	22.0
4 11	10 23.26	+ 9 51.3	2.325	3.094	13.8	22.2

461423 2001 UL_{178} 3 2.1 172°.27 4°.7/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.82	+20 23.7	2.280	3.148	10.0	21.6
2 11	11 10.18	+21 30.5	2.223	3.152	7.2	21.5
2 21	11 1.87	+22 34.4	2.193	3.155	5.0	21.3
3 2	10 52.65	+23 28.5	2.194	3.157	5.0	21.3
3 12	10 43.45	+24 7.2	2.223	3.159	7.2	21.5
3 22	10 35.15	+24 27.5	2.280	3.160	10.0	21.6
4 1	10 28.50	+24 28.8	2.361	3.161	12.6	21.8
4 11	10 23.96	+24 12.5	2.461	3.161	14.8	22.0

159676 2002 HH_3 3 2.1 269°.55 1°.7/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.78	− 1 5.2	2.089	2.926	12.1	20.1
2 11	11 6.92	− 0 22.3	1.994	2.907	8.9	19.8
2 21	11 0.32	+ 0 37.5	1.924	2.889	5.2	19.6
3 2	10 52.63	+ 1 50.3	1.882	2.870	1.9	19.3
3 12	10 44.71	+ 3 10.1	1.870	2.851	3.8	19.4
3 22	10 37.45	+ 4 29.6	1.886	2.832	7.8	19.6
4 1	10 31.66	+ 5 42.4	1.929	2.812	11.5	19.8
4 11	10 27.93	+ 6 43.0	1.994	2.793	14.7	20.0

303220 2004 MM_6 3 2.1 271°.36 4°.9/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 9.34	−13 8.2	2.460	3.232	12.5	20.4
2 11	11 4.99	−12 36.3	2.363	3.222	10.1	20.3
2 21	10 59.23	−11 42.4	2.290	3.213	7.5	20.1
3 2	10 52.62	−10 28.0	2.244	3.203	5.4	19.9
3 12	10 45.89	− 8 57.3	2.227	3.193	5.0	19.9
3 22	10 39.75	− 7 16.6	2.239	3.183	6.9	20.0
4 1	10 34.86	− 5 33.3	2.280	3.173	9.5	20.1
4 11	10 31.70	− 3 54.4	2.345	3.164	12.2	20.3

184143 2004 JQ_{27} 3 2.1 311°.39 2°.1/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.98	+ 0 13.3	1.493	2.349	15.0	19.8
2 11	11 8.34	+ 0 27.3	1.402	2.325	11.1	19.5
2 21	11 1.30	+ 1 0.4	1.333	2.302	6.5	19.1
3 2	10 52.65	+ 1 49.1	1.290	2.279	2.3	18.8
3 12	10 43.59	+ 2 46.8	1.274	2.256	5.0	18.9
3 22	10 35.41	+ 3 45.5	1.283	2.234	10.0	19.1
4 1	10 29.29	+ 4 37.1	1.315	2.213	14.8	19.3
4 11	10 26.01	+ 5 15.5	1.367	2.192	18.9	19.5

58286 1993 YO_1 3 2.1 49°.67 1°.6/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.98	+ 0 46.0	1.547	2.401	14.6	20.0
2 11	11 8.63	+ 1 12.2	1.488	2.411	10.5	19.7
2 21	11 1.21	+ 1 55.3	1.453	2.422	6.0	19.5
3 2	10 52.66	+ 2 50.2	1.444	2.433	1.8	19.2
3 12	10 44.15	+ 3 49.4	1.462	2.444	4.5	19.5
3 22	10 36.80	+ 4 45.5	1.507	2.456	9.1	19.8
4 1	10 31.49	+ 5 32.1	1.576	2.468	13.1	20.0
4 11	10 28.74	+ 6 4.9	1.666	2.480	16.5	20.3

3475 Fichte 3 2.1 43°.27 7°.2/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.09	−16 50.1	2.125	2.880	14.7	16.3
2 11	11 6.32	−17 3.9	2.052	2.889	12.3	16.1
2 21	10 59.94	−16 53.1	2.000	2.898	9.8	16.0
3 2	10 52.65	−16 17.6	1.973	2.908	7.8	15.8
3 12	10 45.30	−15 20.7	1.972	2.919	7.2	15.8
3 22	10 38.76	−14 8.0	1.998	2.929	8.4	15.9
4 1	10 33.75	−12 47.2	2.049	2.940	10.6	16.1
4 11	10 30.75	−11 25.9	2.124	2.950	13.0	16.2

292224 2006 SW_{53} 3 2.1 170°.55 4°.4/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 10.94	−14 1.9	3.315	4.062	10.0	22.4
2 11	11 5.76	−13 52.7	3.227	4.066	8.2	22.3
2 21	10 59.50	−13 27.8	3.163	4.070	6.3	22.1
3 2	10 52.65	−12 48.1	3.128	4.073	4.8	22.0
3 12	10 45.74	−11 56.0	3.122	4.076	4.5	22.0
3 22	10 39.33	−10 55.3	3.146	4.078	5.7	22.1
4 1	10 33.90	− 9 50.3	3.199	4.080	7.5	22.2
4 11	10 29.82	− 8 45.8	3.278	4.081	9.4	22.4

88789 2001 SC_{110} 3 2.1 161°.12 0°.8/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.55	+ 7 30.0	1.815	2.672	12.7	20.6
2 11	11 12.32	+ 8 1.9	1.750	2.679	8.8	20.4
2 21	11 3.07	+ 8 42.2	1.710	2.685	4.5	20.1
3 2	10 52.69	+ 9 25.2	1.700	2.690	0.8	19.8
3 12	10 42.32	+10 4.6	1.718	2.695	4.9	20.1
3 22	10 33.05	+10 35.2	1.766	2.699	9.2	20.4
4 1	10 25.77	+10 53.5	1.838	2.702	12.9	20.6
4 11	10 21.01	+10 58.2	1.931	2.704	16.0	20.9

180143 Gaberogers 3 2.1 196°.56 0°.5/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.56	+ 7 14.0	2.882	3.734	8.7	21.3
2 11	11 6.29	+ 7 49.1	2.804	3.731	6.0	21.1
2 21	10 59.81	+ 8 30.1	2.754	3.728	3.0	20.9
3 2	10 52.65	+ 9 13.4	2.734	3.725	0.5	20.6
3 12	10 45.44	+ 9 55.0	2.745	3.721	3.4	20.9
3 22	10 38.80	+10 31.3	2.786	3.717	6.3	21.1
4 1	10 33.26	+10 59.4	2.854	3.712	9.0	21.2
4 11	10 29.25	+11 17.6	2.946	3.708	11.3	21.4

423204 2004 QE_{28} 3 2.1 189°.69 1°.7/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.86	− 0 9.0	2.085	2.922	12.1	22.1
2 11	11 8.25	+ 0 13.7	2.008	2.921	8.8	21.8
2 21	11 0.95	+ 0 50.5	1.955	2.921	5.2	21.6
3 2	10 52.68	+ 1 37.8	1.931	2.919	1.9	21.4
3 12	10 44.31	+ 2 30.4	1.937	2.918	3.8	21.5
3 22	10 36.75	+ 3 22.5	1.971	2.916	7.5	21.7
4 1	10 30.75	+ 4 8.9	2.031	2.914	11.0	21.9
4 11	10 26.82	+ 4 45.6	2.114	2.912	14.0	22.1

491025 2011 PS_4 3 2.1 184°.98 1°.3/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.04	+ 0 43.2	2.630	3.463	10.0	21.6
2 11	11 6.70	+ 1 3.3	2.551	3.463	7.2	21.5
2 21	11 0.06	+ 1 33.9	2.498	3.463	4.2	21.3
3 2	10 52.67	+ 2 12.0	2.474	3.462	1.4	21.1
3 12	10 45.23	+ 2 53.8	2.481	3.461	3.1	21.2
3 22	10 38.40	+ 3 35.1	2.517	3.460	6.3	21.4
4 1	10 32.79	+ 4 12.0	2.581	3.459	9.2	21.6
4 11	10 28.82	+ 4 41.4	2.668	3.457	11.7	21.7

29424 1997 BV_4 3 2.1 20°.44 2°.8/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.30	+15 26.9	1.675	2.546	12.8	17.4
2 11	11 12.86	+15 18.2	1.619	2.554	8.9	17.2
2 21	11 3.32	+15 8.1	1.590	2.563	4.9	17.0
3 2	10 52.71	+14 52.1	1.588	2.573	2.9	16.9
3 12	10 42.30	+14 26.4	1.614	2.584	6.1	17.1
3 22	10 33.24	+13 49.7	1.668	2.595	10.1	17.3
4 1	10 26.39	+13 2.0	1.746	2.607	13.7	17.6
4 11	10 22.22	+12 4.8	1.844	2.620	16.6	17.8

70691 1999 UH_{18} 3 2.1 193°.15 3°.5/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.87	+15 0.2	1.899	2.769	11.6	19.7
2 11	11 11.19	+15 55.5	1.833	2.768	8.1	19.5
2 21	11 2.52	+16 52.8	1.794	2.766	4.7	19.3
3 2	10 52.71	+17 44.8	1.783	2.763	3.8	19.2
3 12	10 42.85	+18 24.6	1.801	2.760	6.7	19.4
3 22	10 34.02	+18 48.0	1.847	2.756	10.3	19.6
4 1	10 27.09	+18 53.1	1.916	2.752	13.7	19.8
4 11	10 22.60	+18 40.7	2.005	2.747	16.5	20.0

208732 2002 LS_{30} 3 2.1 285°.43 5°.1/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.16	+16 21.9	1.504	2.388	13.2	19.9
2 11	11 9.72	+17 48.6	1.442	2.382	9.3	19.7
2 21	11 1.92	+19 18.1	1.406	2.377	5.9	19.5
3 2	10 52.71	+20 39.5	1.396	2.371	5.6	19.4
3 12	10 43.39	+21 42.8	1.413	2.365	8.8	19.6
3 22	10 35.27	+22 21.8	1.454	2.360	12.9	19.8
4 1	10 29.39	+22 34.6	1.517	2.354	16.6	20.1
4 11	10 26.35	+22 22.5	1.597	2.349	19.7	20.3

163084 2002 AZ_{53} 3 2.1 244°.31 2°.8/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.31	+10 38.6	1.593	2.468	13.1	20.0
2 11	11 9.77	+11 56.4	1.521	2.459	9.1	19.8
2 21	11 1.95	+13 23.8	1.473	2.449	4.8	19.5
3 2	10 52.72	+14 51.7	1.454	2.439	3.1	19.4
3 12	10 43.30	+16 10.0	1.462	2.429	6.9	19.6
3 22	10 34.91	+17 10.9	1.496	2.419	11.4	19.8
4 1	10 28.61	+17 50.0	1.554	2.408	15.4	20.0
4 11	10 25.03	+18 6.2	1.629	2.397	18.8	20.2

42129 2001 BG_{17} 3 2.1 123°.11 2°.4/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 13.36	+11 26.3	2.217	3.084	10.3	19.1
2 11	11 7.74	+12 45.4	2.164	3.099	7.0	19.0
2 21	11 0.63	+14 9.0	2.138	3.113	3.7	18.8
3 2	10 52.70	+15 30.2	2.143	3.127	2.6	18.7
3 12	10 44.82	+16 42.3	2.177	3.140	5.4	18.9
3 22	10 37.79	+17 40.2	2.240	3.153	8.6	19.1
4 1	10 32.27	+18 21.2	2.329	3.165	11.5	19.3
4 11	10 28.69	+18 44.8	2.438	3.177	14.0	19.5

352444 2008 AR_{40} 3 2.1 112°.62 0°.8/ 2.9 17

2 1	11 13.24	+ 3 36.9	2.429	3.274	10.3	21.1
2 11	11 7.60	+ 3 46.8	2.356	3.276	7.3	20.9
2 21	11 0.55	+ 4 5.4	2.309	3.279	4.0	20.7
3 2	10 52.70	+ 4 29.5	2.291	3.281	0.8	20.4
3 12	10 44.82	+ 4 55.5	2.303	3.283	3.4	20.6
3 22	10 37.66	+ 5 19.4	2.344	3.286	6.7	20.8
4 1	10 31.84	+ 5 38.1	2.412	3.288	9.8	21.0
4 11	10 27.82	+ 5 49.0	2.503	3.290	12.4	21.2

62227 2000 SQ_{68} 3 2.1 109°.00 1°.5/ 3.5 18

2 1	11 14.78	− 0 20.5	1.570	2.418	14.8	19.9
2 11	11 9.21	+ 0 29.6	1.508	2.429	10.6	19.7
2 21	11 1.55	+ 1 38.9	1.470	2.439	6.0	19.4
3 2	10 52.71	+ 3 1.2	1.459	2.449	1.7	19.2
3 12	10 43.90	+ 4 27.6	1.476	2.458	4.6	19.4
3 22	10 36.22	+ 5 49.1	1.521	2.468	9.2	19.7
4 1	10 30.60	+ 6 58.3	1.590	2.477	13.3	19.9
4 11	10 27.55	+ 7 50.5	1.679	2.486	16.7	20.2

464689 2001 WQ_{50} 3 2.1 126°.32 4°.6/ 7.2 18

2 1	11 14.11	− 9 49.2	2.158	2.949	13.4	22.0
2 11	11 8.32	− 9 33.5	2.089	2.964	10.5	21.8
2 21	11 0.95	− 8 57.2	2.043	2.978	7.5	21.7
3 2	10 52.71	− 8 2.4	2.024	2.991	5.0	21.5
3 12	10 44.47	− 6 53.9	2.034	3.004	5.0	21.5
3 22	10 37.08	− 5 38.2	2.073	3.017	7.3	21.7
4 1	10 31.25	− 4 22.1	2.139	3.028	10.2	21.9
4 11	10 27.43	− 3 12.0	2.228	3.040	13.0	22.1

122166 2000 KD_{7} 3 2.1 210°.05 2°.2/28.6 18

2 1	11 15.04	+12 20.6	2.478	3.339	9.5	20.3
2 11	11 8.93	+13 16.4	2.399	3.331	6.6	20.1
2 21	11 1.28	+14 16.2	2.349	3.323	3.5	19.9
3 2	10 52.72	+15 14.4	2.329	3.313	2.4	19.8
3 12	10 44.05	+16 5.7	2.339	3.303	5.0	20.0
3 22	10 36.07	+16 45.6	2.379	3.292	8.2	20.1
4 1	10 29.47	+17 11.6	2.445	3.280	11.1	20.3
4 11	10 24.73	+17 22.8	2.533	3.267	13.6	20.5

375299 2008 PZ_{10} 3 2.1 174°.60 3°.6/27.4 16

2 1	11 18.65	+18 48.0	2.491	3.353	9.5	21.4
2 11	11 11.32	+19 22.8	2.428	3.356	6.7	21.3
2 21	11 2.44	+19 55.1	2.393	3.358	4.3	21.1
3 2	10 52.73	+20 19.9	2.387	3.360	3.8	21.1
3 12	10 43.07	+20 33.0	2.413	3.361	6.0	21.2
3 22	10 34.27	+20 32.1	2.467	3.362	8.7	21.4
4 1	10 27.04	+20 16.9	2.547	3.362	11.3	21.6
4 11	10 21.80	+19 48.5	2.648	3.361	13.6	21.7

140393 2001 TV_{57} 3 2.1 101°.26 1°.4/ 3.8 17

2 1	11 11.95	+ 0 0.3	2.403	3.238	10.8	20.1
2 11	11 6.67	+ 0 29.0	2.339	3.252	7.8	20.0
2 21	11 0.05	+ 1 9.6	2.300	3.265	4.5	19.8
3 2	10 52.70	+ 1 58.5	2.290	3.279	1.6	19.6
3 12	10 45.38	+ 2 50.9	2.311	3.292	3.3	19.7
3 22	10 38.80	+ 3 42.1	2.360	3.305	6.5	20.0
4 1	10 33.55	+ 4 27.6	2.437	3.318	9.5	20.2
4 11	10 30.05	+ 5 4.2	2.537	3.330	12.1	20.4

493711 2015 TP_{111} 3 2.1 276°.50 0°.6/ 2.6 18

2 1	11 14.36	+ 2 11.0	1.367	2.231	15.6	21.5
2 11	11 9.32	+ 3 4.1	1.294	2.225	11.1	21.2
2 21	11 1.80	+ 4 17.6	1.244	2.218	6.0	20.9
3 2	10 52.73	+ 5 44.3	1.220	2.211	0.7	20.5
3 12	10 43.44	+ 7 14.0	1.222	2.204	5.4	20.8
3 22	10 35.31	+ 8 36.0	1.251	2.197	10.8	21.1
4 1	10 29.47	+ 9 42.1	1.302	2.190	15.5	21.3
4 11	10 26.61	+10 27.3	1.371	2.184	19.5	21.6

334520 2002 RM_{125} 3 2.1 173°.03 3°.6/ 7.4 18

2 1	11 11.54	−10 11.9	3.093	3.867	10.1	22.3
2 11	11 6.23	− 9 51.6	3.007	3.871	8.0	22.2
2 21	10 59.79	− 9 16.2	2.946	3.874	5.8	22.0
3 2	10 52.71	− 8 27.1	2.913	3.877	4.0	21.9
3 12	10 45.57	− 7 27.6	2.911	3.879	3.9	21.9
3 22	10 38.97	− 6 21.8	2.940	3.880	5.6	22.0
4 1	10 33.41	− 5 14.5	2.997	3.881	7.9	22.2
4 11	10 29.27	− 4 10.3	3.080	3.881	10.0	22.3

431254 2006 UT_{4} 3 2.1 182°.18 3°.3/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 13.64	+17 17.4	2.586	3.454	8.9	21.7
2 11	11 7.85	+18 2.8	2.522	3.454	6.3	21.5
2 21	11 0.66	+18 47.6	2.486	3.454	3.9	21.3
3 2	10 52.72	+19 26.6	2.479	3.454	3.5	21.3
3 12	10 44.77	+19 55.6	2.502	3.454	5.6	21.4
3 22	10 37.55	+20 11.5	2.554	3.453	8.3	21.6
4 1	10 31.68	+20 13.3	2.630	3.452	10.8	21.8
4 11	10 27.58	+20 1.2	2.728	3.451	13.0	21.9

455 Bruchsalia 3 2.1 158°.03 4°.8/25.4 18

2 1	11 16.26	+21 55.3	2.514	3.379	9.3	14.2
2 11	11 9.69	+23 6.2	2.463	3.388	6.8	14.0
2 21	11 1.61	+24 13.1	2.440	3.396	5.0	13.9
3 2	10 52.73	+25 9.4	2.447	3.404	5.1	13.9
3 12	10 43.90	+25 50.2	2.484	3.411	7.1	14.1
3 22	10 35.90	+26 13.0	2.548	3.417	9.5	14.2
4 1	10 29.41	+26 17.3	2.637	3.422	11.8	14.4
4 11	10 24.87	+26 4.6	2.745	3.426	13.8	14.6

73145 2002 GQ_{95} 3 2.1 206°.91 2°.5/ 5.0 18

2 1	11 12.81	− 3 45.7	2.578	3.392	10.8	20.7
2 11	11 7.33	− 3 23.3	2.489	3.386	8.1	20.5
2 21	11 0.45	− 2 46.7	2.425	3.380	5.2	20.3
3 2	10 52.72	− 1 58.5	2.391	3.373	2.7	20.1
3 12	10 44.89	− 1 2.6	2.387	3.365	3.5	20.2
3 22	10 37.65	− 0 4.0	2.412	3.357	6.4	20.3
4 1	10 31.65	+ 0 52.4	2.466	3.348	9.4	20.5
4 11	10 27.36	+ 1 42.2	2.544	3.339	12.0	20.7

338182 2002 RF_{165} 3 2.1 232°.65 3°.5/ 5.8 17

2 1	11 12.49	− 5 53.8	2.319	3.129	12.0	20.9
2 11	11 7.24	− 5 44.9	2.231	3.122	9.2	20.7
2 21	11 0.45	− 5 19.6	2.167	3.115	6.2	20.5
3 2	10 52.72	− 4 39.6	2.131	3.107	3.8	20.4
3 12	10 44.86	− 3 48.8	2.124	3.100	4.2	20.4
3 22	10 37.65	− 2 52.4	2.146	3.092	7.0	20.5
4 1	10 31.81	− 1 56.0	2.195	3.084	10.1	20.7
4 11	10 27.84	− 1 4.9	2.267	3.076	12.9	20.9

89308 2001 VU_{34} 3 2.1 214°.70 5°.3/ 7.7 17

2 1	11 13.81	−11 35.0	2.252	3.031	13.3	19.4
2 11	11 8.24	−11 32.8	2.160	3.024	10.7	19.3
2 21	11 1.01	−11 9.6	2.092	3.017	7.9	19.1
3 2	10 52.74	−10 26.2	2.050	3.009	5.7	18.9
3 12	10 44.30	− 9 26.0	2.036	3.001	5.5	18.9
3 22	10 36.54	− 8 14.6	2.052	2.992	7.6	19.0
4 1	10 30.23	− 6 58.9	2.094	2.982	10.5	19.1
4 11	10 25.93	− 5 45.8	2.159	2.973	13.3	19.3

436332 2010 GQ_{127} 3 2.1 43°.24 4°.9/25.9 17

2 1	11 13.01	+19 42.2	2.055	2.933	10.5	20.7
2 11	11 7.68	+20 53.4	2.003	2.937	7.5	20.5
2 21	11 0.67	+22 2.2	1.977	2.941	5.2	20.4
3 2	10 52.74	+23 1.2	1.979	2.945	5.3	20.4
3 12	10 44.83	+23 44.3	2.009	2.949	7.6	20.5
3 22	10 37.86	+24 8.1	2.065	2.954	10.5	20.7
4 1	10 32.55	+24 11.5	2.145	2.958	13.2	20.9
4 11	10 29.37	+23 56.1	2.243	2.963	15.5	21.1

495475 2014 UG_{22} 3 2.1 125°.96 1°.2/29.8 18

2 1	11 15.84	+ 8 15.2	2.233	3.089	10.7	22.0
2 11	11 9.41	+ 9 11.9	2.180	3.109	7.3	21.8
2 21	11 1.47	+10 14.9	2.153	3.128	3.7	21.6
3 2	10 52.75	+11 18.6	2.157	3.146	1.3	21.4
3 12	10 44.12	+12 16.9	2.192	3.164	4.4	21.7
3 22	10 36.40	+13 5.2	2.255	3.181	7.9	21.9
4 1	10 30.23	+13 40.3	2.345	3.197	11.0	22.2
4 11	10 26.06	+14 1.1	2.457	3.212	13.5	22.4

424465 2008 CV_{138} 3 2.1 211°.67 0°.8/ 1.4 18

2 1	11 16.25	+ 7 36.8	1.938	2.797	11.9	21.2
2 11	11 10.05	+ 8 11.2	1.862	2.793	8.3	21.0
2 21	11 1.97	+ 8 54.1	1.813	2.788	4.2	20.7
3 2	10 52.76	+ 9 40.0	1.792	2.783	0.9	20.4
3 12	10 43.45	+10 22.9	1.801	2.777	4.7	20.7
3 22	10 35.04	+10 57.6	1.837	2.771	8.9	20.9
4 1	10 28.38	+11 20.2	1.899	2.764	12.5	21.1
4 11	10 24.03	+11 29.0	1.982	2.757	15.6	21.3

193884 2001 QZ_{186} 3 2.1 165°.56 1°.4/29.9 18

2 1	11 18.66	+ 8 42.4	1.787	2.648	12.6	20.6
2 11	11 11.78	+ 9 29.2	1.722	2.654	8.7	20.4
2 21	11 2.86	+10 23.9	1.683	2.659	4.4	20.1
3 2	10 52.78	+11 20.0	1.673	2.663	1.5	19.9
3 12	10 42.70	+12 10.3	1.692	2.666	5.4	20.2
3 22	10 33.71	+12 49.2	1.740	2.669	9.6	20.5
4 1	10 26.71	+13 13.2	1.811	2.671	13.3	20.7
4 11	10 22.22	+13 21.1	1.904	2.672	16.4	20.9

309761 2008 YQ_4 3 2.1 132.°98 2.°2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.16	− 0 16.7	1.689	2.529	14.3	21.3
2 11	11 11.48	− 0 6.2	1.624	2.539	10.5	21.0
2 21	11 2.72	+ 0 20.4	1.583	2.548	6.2	20.8
3 2	10 52.79	+ 0 59.4	1.570	2.557	2.4	20.6
3 12	10 42.86	+ 1 44.9	1.585	2.566	4.5	20.7
3 22	10 34.06	+ 2 30.3	1.628	2.574	8.7	21.0
4 1	10 27.31	+ 3 9.7	1.695	2.581	12.7	21.3
4 11	10 23.13	+ 3 38.8	1.784	2.589	16.0	21.5

151552 2002 TU_{27} 3 2.1 184.°33 0.°1/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.44	+ 4 16.9	1.729	2.582	13.4	21.7
2 11	11 11.74	+ 4 58.2	1.657	2.583	9.5	21.5
2 21	11 2.90	+ 5 52.6	1.610	2.583	5.0	21.2
3 2	10 52.79	+ 6 54.2	1.591	2.582	0.1	20.8
3 12	10 42.59	+ 7 55.6	1.601	2.580	4.8	21.2
3 22	10 33.43	+ 8 49.9	1.640	2.578	9.3	21.5
4 1	10 26.28	+ 9 31.7	1.703	2.575	13.4	21.7
4 11	10 21.73	+ 9 58.1	1.787	2.571	16.8	21.9

17453 1990 RQ_9 3 2.1 179.°29 2.°3/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.22	− 2 23.4	1.904	2.732	13.4	18.7
2 11	11 10.05	− 1 49.9	1.827	2.735	9.9	18.4
2 21	11 1.98	− 0 58.4	1.774	2.736	6.0	18.2
3 2	10 52.79	+ 0 7.2	1.750	2.736	2.6	18.0
3 12	10 43.50	+ 1 20.3	1.756	2.736	4.2	18.1
3 22	10 35.11	+ 2 33.6	1.790	2.735	8.1	18.3
4 1	10 28.49	+ 3 40.3	1.850	2.734	11.9	18.5
4 11	10 24.20	+ 4 35.3	1.932	2.731	15.1	18.8

415189 2012 GB_{14} 3 2.1 73.°57 5.°6/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.48	−11 30.5	1.689	2.489	16.1	20.7
2 11	11 7.54	−11 4.0	1.624	2.502	12.8	20.5
2 21	11 0.69	−10 9.5	1.579	2.515	9.2	20.3
3 2	10 52.76	− 8 49.9	1.561	2.528	6.2	20.2
3 12	10 44.85	− 7 12.0	1.569	2.541	5.9	20.2
3 22	10 37.97	− 5 25.6	1.604	2.554	8.6	20.3
4 1	10 32.97	− 3 40.5	1.666	2.567	12.0	20.6
4 11	10 30.35	− 2 5.6	1.749	2.580	15.2	20.8

237633 2001 SS_{26} 3 2.1 163.°43 1.°3/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.31	+ 0 7.3	1.796	2.637	13.5	21.6
2 11	11 10.15	+ 0 55.7	1.726	2.643	9.8	21.3
2 21	11 2.03	+ 2 1.2	1.680	2.648	5.5	21.1
3 2	10 52.79	+ 3 18.1	1.663	2.653	1.5	20.8
3 12	10 43.49	+ 4 38.9	1.676	2.657	4.3	21.0
3 22	10 35.19	+ 5 55.6	1.717	2.660	8.6	21.3
4 1	10 28.76	+ 7 1.7	1.783	2.662	12.5	21.5
4 11	10 24.74	+ 7 52.7	1.871	2.664	15.8	21.7

508584 2017 OO_{36} 3 2.2 216.°61 6.°3/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.61	+26 39.6	2.423	3.285	9.7	22.0
2 11	11 10.85	+27 55.3	2.359	3.275	7.6	21.9
2 21	11 2.34	+29 4.0	2.324	3.265	6.3	21.8
3 2	10 52.80	+29 58.7	2.317	3.253	6.8	21.8
3 12	10 43.18	+30 33.7	2.338	3.241	8.6	21.9
3 22	10 34.40	+30 46.7	2.386	3.229	11.0	22.0
4 1	10 27.25	+30 37.8	2.457	3.215	13.3	22.2
4 11	10 22.26	+30 9.5	2.546	3.201	15.3	22.3

457581 2008 YO_{165} 3 2.2 77.°24 0.°6/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.75	+ 3 28.0	1.413	2.272	15.4	22.0
2 11	11 11.96	+ 3 59.6	1.369	2.297	10.8	21.8
2 21	11 2.94	+ 4 45.6	1.348	2.321	5.7	21.5
3 2	10 52.81	+ 5 39.3	1.354	2.345	0.7	21.2
3 12	10 42.94	+ 6 32.7	1.388	2.369	5.0	21.6
3 22	10 34.55	+ 7 18.6	1.448	2.393	9.8	21.9
4 1	10 28.54	+ 7 51.8	1.532	2.416	13.9	22.2
4 11	10 25.36	+ 8 9.9	1.636	2.439	17.3	22.5

111611 2002 AD_{107} 3 2.2 172.°39 2.°0/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.33	− 0 8.8	1.925	2.758	13.1	20.5
2 11	11 11.48	+ 0 5.1	1.850	2.762	9.6	20.3
2 21	11 2.71	+ 0 33.5	1.801	2.765	5.6	20.0
3 2	10 52.81	+ 1 13.0	1.780	2.768	2.1	19.8
3 12	10 42.84	+ 1 58.4	1.789	2.770	4.2	19.9
3 22	10 33.83	+ 2 43.8	1.827	2.770	8.1	20.2
4 1	10 26.63	+ 3 23.7	1.890	2.771	11.9	20.4
4 11	10 21.80	+ 3 54.2	1.976	2.770	15.0	20.6

233479 2006 SV_{16} 3 2.2 132.°35 4.°0/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 9.94	−10 43.5	2.541	3.325	11.8	20.2
2 11	11 5.32	−10 3.7	2.460	3.331	9.3	20.0
2 21	10 59.41	− 9 4.5	2.403	3.336	6.6	19.8
3 2	10 52.76	− 7 48.3	2.375	3.342	4.4	19.7
3 12	10 46.08	− 6 19.8	2.376	3.347	4.2	19.7
3 22	10 40.04	− 4 45.3	2.406	3.352	6.3	19.8
4 1	10 35.23	− 3 11.3	2.465	3.357	9.0	20.0
4 11	10 32.06	− 1 43.9	2.549	3.362	11.5	20.2

102614 1999 VG_{21} 3 2.2 182.°70 2.°1/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.63	− 1 8.4	1.662	2.500	14.6	20.5
2 11	11 11.26	− 0 37.5	1.587	2.501	10.7	20.3
2 21	11 2.70	+ 0 12.2	1.537	2.502	6.3	20.0
3 2	10 52.82	+ 1 16.4	1.514	2.501	2.4	19.8
3 12	10 42.81	+ 2 27.8	1.519	2.500	4.6	19.9
3 22	10 33.86	+ 3 38.1	1.552	2.499	9.1	20.2
4 1	10 26.95	+ 4 40.2	1.611	2.496	13.3	20.4
4 11	10 22.69	+ 5 28.7	1.690	2.493	16.8	20.6

36748 2000 RR_{65} 3 2.2 58.°99 4.°8/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.69	+19 0.1	1.647	2.523	12.7	17.8
2 11	11 12.47	+19 34.9	1.603	2.538	9.0	17.7
2 21	11 3.16	+20 5.8	1.585	2.553	5.7	17.5
3 2	10 52.82	+20 25.5	1.594	2.569	5.1	17.5
3 12	10 42.75	+20 28.8	1.630	2.585	7.8	17.7
3 22	10 34.08	+20 13.7	1.693	2.600	11.3	17.9
4 1	10 27.68	+19 40.8	1.779	2.616	14.5	18.2
4 11	10 23.95	+18 52.6	1.883	2.633	17.2	18.4

158574 2002 JX_{118} 3 2.2 246.°45 7.°1/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.49	+26 32.9	2.050	2.921	10.8	19.6
2 11	11 9.60	+28 1.1	1.993	2.913	8.5	19.4
2 21	11 1.77	+29 21.9	1.962	2.905	7.2	19.3
3 2	10 52.81	+30 26.5	1.959	2.897	7.8	19.3
3 12	10 43.78	+31 8.3	1.983	2.888	9.8	19.4
3 22	10 35.72	+31 24.5	2.032	2.879	12.4	19.6
4 1	10 29.50	+31 15.4	2.102	2.870	14.9	19.7
4 11	10 25.65	+30 44.0	2.189	2.861	17.1	19.9

479305 2013 JM_{20} 3 2.2 136.°80 15.°7/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.52	+35 2.4	1.062	1.940	17.9	20.7
2 11	11 15.99	+38 40.8	1.045	1.948	16.0	20.6
2 21	11 5.56	+41 48.7	1.051	1.956	15.9	20.6
3 2	10 52.86	+44 4.7	1.078	1.964	17.6	20.8
3 12	10 40.30	+45 18.5	1.126	1.970	20.2	20.9
3 22	10 30.11	+45 32.4	1.189	1.976	23.0	21.1
4 1	10 23.79	+44 55.9	1.265	1.982	25.4	21.4
4 11	10 21.84	+43 41.5	1.351	1.987	27.3	21.6

82471 2001 OW_{21} 3 2.2 235.°12 0.°9/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.47	+ 4 30.9	1.919	2.765	12.6	18.8
2 11	11 12.37	+ 4 24.5	1.836	2.757	9.0	18.5
2 21	11 3.23	+ 4 27.2	1.778	2.749	4.9	18.3
3 2	10 52.84	+ 4 36.1	1.750	2.740	0.9	18.0
3 12	10 42.28	+ 4 47.1	1.751	2.731	4.3	18.2
3 22	10 32.63	+ 4 56.1	1.781	2.722	8.5	18.4
4 1	10 24.83	+ 4 59.5	1.837	2.712	12.4	18.6
4 11	10 19.48	+ 4 54.8	1.914	2.702	15.6	18.8

456654 2007 RV_{22} 3 2.2 144.°87 0.°8/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.09	+ 2 15.6	1.967	2.810	12.5	22.4
2 11	11 10.51	+ 2 53.6	1.902	2.822	8.9	22.1
2 21	11 2.16	+ 3 44.2	1.864	2.834	4.8	21.9
3 2	10 52.83	+ 4 42.8	1.854	2.844	0.9	21.7
3 12	10 43.52	+ 5 42.7	1.874	2.854	4.0	21.9
3 22	10 35.19	+ 6 38.1	1.923	2.863	8.0	22.2
4 1	10 28.62	+ 7 23.8	1.998	2.872	11.6	22.4
4 11	10 24.29	+ 7 56.9	2.095	2.880	14.6	22.6

104592 2000 GJ_{89} 3 2.2 259.°93 0.°9/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.59	+ 6 22.9	1.796	2.660	12.4	19.9
2 11	11 8.40	+ 7 20.8	1.717	2.649	8.7	19.7
2 21	11 1.22	+ 8 30.8	1.663	2.639	4.4	19.4
3 2	10 52.83	+ 9 46.4	1.637	2.628	1.0	19.1
3 12	10 44.25	+10 59.6	1.640	2.617	5.1	19.4
3 22	10 36.54	+12 3.0	1.671	2.606	9.5	19.6
4 1	10 30.62	+12 51.2	1.726	2.594	13.4	19.8
4 11	10 27.07	+13 21.6	1.801	2.583	16.7	20.0

412939 2014 QY_{214} 3 2.2 47.°23 1.°4/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.87	+ 1 24.7	1.357	2.218	15.8	20.6
2 11	11 9.49	+ 1 52.8	1.303	2.230	11.3	20.3
2 21	11 1.79	+ 2 39.1	1.271	2.243	6.3	20.1
3 2	10 52.84	+ 3 37.5	1.265	2.255	1.6	19.8
3 12	10 43.96	+ 4 39.4	1.286	2.269	4.9	20.0
3 22	10 36.42	+ 5 36.4	1.332	2.282	9.9	20.4
4 1	10 31.18	+ 6 21.7	1.401	2.296	14.3	20.6
4 11	10 28.76	+ 6 51.3	1.490	2.310	17.9	20.9

464981 2006 AQ_{11} 3 2.2 18.°62 3.°9/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.87	+13 23.3	1.603	2.487	12.5	20.5
2 11	11 7.25	+14 53.6	1.548	2.489	8.6	20.3
2 21	11 0.61	+16 29.1	1.518	2.493	4.9	20.1
3 2	10 52.82	+17 59.9	1.516	2.496	4.3	20.1
3 12	10 45.02	+19 16.3	1.541	2.500	7.5	20.3
3 22	10 38.30	+20 11.9	1.591	2.505	11.4	20.5
4 1	10 33.54	+20 43.7	1.664	2.510	15.0	20.7
4 11	10 31.28	+20 51.9	1.755	2.515	17.9	21.0

414778 2010 PQ_{61} 3 2.2 206°.88 0°.2/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.63	+ 4 51.8	2.116	2.966	11.4	22.0
2 11	11 9.56	+ 5 41.4	2.035	2.960	8.0	21.8
2 21	11 1.74	+ 6 42.2	1.980	2.953	4.1	21.5
3 2	10 52.85	+ 7 48.8	1.954	2.945	0.2	21.2
3 12	10 43.82	+ 8 54.9	1.959	2.937	4.2	21.5
3 22	10 35.57	+ 9 54.3	1.993	2.927	8.2	21.7
4 1	10 28.89	+10 42.3	2.053	2.917	11.8	21.9
4 11	10 24.34	+11 16.1	2.135	2.907	14.7	22.1

266219 2006 WP_{195} 3 2.2 101°.27 1°.9/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.29	− 0 26.3	1.862	2.699	13.3	21.1
2 11	11 9.97	− 0 2.1	1.805	2.719	9.6	20.9
2 21	11 1.88	+ 0 37.1	1.773	2.738	5.6	20.7
3 2	10 52.86	+ 1 27.2	1.769	2.757	2.1	20.5
3 12	10 43.94	+ 2 22.0	1.795	2.776	4.0	20.7
3 22	10 36.07	+ 3 15.3	1.848	2.794	7.9	20.9
4 1	10 30.02	+ 4 1.5	1.927	2.811	11.5	21.2
4 11	10 26.25	+ 4 36.9	2.029	2.828	14.5	21.4

471697 2012 TN_{242} 3 2.2 150°.83 1°.8/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 10.98	− 1 48.3	2.441	3.269	10.8	21.7
2 11	11 6.10	− 1 10.4	2.365	3.273	8.0	21.5
2 21	10 59.85	− 0 18.7	2.315	3.277	4.8	21.3
3 2	10 52.84	+ 0 43.2	2.294	3.280	2.0	21.1
3 12	10 45.78	+ 1 50.3	2.303	3.284	3.3	21.2
3 22	10 39.38	+ 2 57.1	2.341	3.287	6.5	21.4
4 1	10 34.27	+ 3 58.6	2.406	3.289	9.5	21.6
4 11	10 30.86	+ 4 50.6	2.496	3.292	12.2	21.8

116217 2003 XK_{41} 3 2.2 103°.04 5°.4/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.21	+22 7.7	2.216	3.089	10.0	19.4
2 11	11 8.42	+23 28.7	2.175	3.103	7.4	19.3
2 21	11 1.05	+24 44.8	2.161	3.117	5.5	19.2
3 2	10 52.85	+25 48.8	2.175	3.131	5.8	19.2
3 12	10 44.75	+26 35.0	2.218	3.144	7.8	19.4
3 22	10 37.57	+27 0.7	2.287	3.157	10.4	19.6
4 1	10 32.03	+27 5.6	2.380	3.170	12.8	19.7
4 11	10 28.53	+26 51.7	2.491	3.183	14.8	19.9

386500 2009 BM_{46} 3 2.2 333°.85 1°.7/ 3.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.47	+ 0 49.7	2.029	2.873	12.1	21.0
2 11	11 7.40	+ 1 1.4	1.950	2.868	8.8	20.7
2 21	11 0.63	+ 1 26.2	1.897	2.863	5.1	20.5
3 2	10 52.86	+ 2 0.7	1.871	2.859	1.8	20.3
3 12	10 44.98	+ 2 40.3	1.873	2.855	3.8	20.4
3 22	10 37.89	+ 3 19.7	1.904	2.851	7.6	20.6
4 1	10 32.35	+ 3 54.0	1.960	2.847	11.2	20.8
4 11	10 28.88	+ 4 19.4	2.038	2.844	14.2	21.0

237653 2001 SS_{167} 3 2.2 88°.69 2°.3/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.22	− 1 18.9	1.495	2.336	15.8	20.3
2 11	11 12.22	− 0 50.6	1.449	2.364	11.5	20.1
2 21	11 3.09	− 0 3.2	1.427	2.392	6.7	19.9
3 2	10 52.90	+ 0 57.7	1.431	2.419	2.6	19.7
3 12	10 42.95	+ 2 4.0	1.464	2.445	4.7	19.9
3 22	10 34.43	+ 3 7.6	1.523	2.471	9.1	20.2
4 1	10 28.19	+ 4 1.8	1.608	2.496	13.1	20.5
4 11	10 24.68	+ 4 42.1	1.713	2.520	16.4	20.8

171006 2005 EF_{26} 3 2.2 24°.27 0°.1/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.14	+ 4 30.6	1.241	2.117	16.0	20.3
2 11	11 9.19	+ 5 5.8	1.186	2.122	11.3	20.0
2 21	11 1.75	+ 5 57.0	1.153	2.129	5.9	19.7
3 2	10 52.89	+ 6 57.0	1.145	2.136	0.2	19.3
3 12	10 44.06	+ 7 56.2	1.163	2.144	5.6	19.7
3 22	10 36.63	+ 8 45.9	1.205	2.153	10.9	20.1
4 1	10 31.65	+ 9 20.2	1.269	2.162	15.5	20.3
4 11	10 29.68	+ 9 36.0	1.351	2.172	19.3	20.6

477639 2010 MC_{37} 3 2.2 297°.18 1°.1/ 1.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.53	+10 42.9	2.265	3.119	10.6	20.8
2 11	11 12.37	+10 38.2	2.161	3.089	7.5	20.6
2 21	11 3.27	+10 36.3	2.084	3.058	3.9	20.3
3 2	10 52.92	+10 33.6	2.037	3.027	1.1	20.0
3 12	10 42.25	+10 26.5	2.021	2.996	4.5	20.2
3 22	10 32.24	+10 12.4	2.034	2.964	8.4	20.4
4 1	10 23.78	+ 9 49.6	2.075	2.933	11.9	20.5
4 11	10 17.51	+ 9 17.2	2.138	2.901	15.0	20.7

228154 2009 SZ_{48} 3 2.2 100°.66 0°.5/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.04	+ 3 9.8	1.333	2.195	16.1	21.3
2 11	11 12.42	+ 3 48.9	1.282	2.210	11.4	21.1
2 21	11 3.33	+ 4 44.5	1.253	2.226	6.0	20.8
3 2	10 52.92	+ 5 49.3	1.251	2.242	0.6	20.5
3 12	10 42.66	+ 6 54.0	1.275	2.256	5.3	20.8
3 22	10 33.88	+ 7 50.2	1.326	2.271	10.4	21.2
4 1	10 27.61	+ 8 31.8	1.400	2.285	14.9	21.5
4 11	10 24.36	+ 8 55.9	1.493	2.299	18.5	21.7

495986 2007 TN_{408} 3 2.2 170°.87 0°.8/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.73	+ 2 15.3	1.992	2.834	12.3	22.5
2 11	11 10.35	+ 2 51.8	1.919	2.839	8.8	22.3
2 21	11 2.15	+ 3 41.3	1.872	2.842	4.8	22.0
3 2	10 52.91	+ 4 39.1	1.855	2.845	0.9	21.8
3 12	10 43.62	+ 5 38.9	1.867	2.847	4.0	22.0
3 22	10 35.23	+ 6 34.5	1.908	2.849	8.1	22.2
4 1	10 28.55	+ 7 21.0	1.975	2.849	11.7	22.5
4 11	10 24.11	+ 7 55.0	2.064	2.849	14.8	22.7

358035 2006 FS_{34} 3 2.2 318°.51 0°.3/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.74	+ 6 7.9	1.274	2.147	15.9	20.0
2 11	11 11.98	+ 6 6.2	1.198	2.132	11.3	19.7
2 21	11 3.38	+ 6 16.4	1.144	2.119	6.0	19.4
3 2	10 52.93	+ 6 33.7	1.114	2.105	0.3	18.9
3 12	10 42.17	+ 6 51.6	1.111	2.093	5.8	19.3
3 22	10 32.66	+ 7 3.7	1.132	2.081	11.4	19.6
4 1	10 25.71	+ 7 5.1	1.175	2.069	16.5	19.8
4 11	10 22.10	+ 6 52.9	1.237	2.059	20.7	20.1

183316 2002 VP_{27} 3 2.2 165°.93 0°.5/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.11	+ 6 18.6	1.969	2.825	11.9	20.6
2 11	11 9.92	+ 6 56.1	1.901	2.829	8.3	20.4
2 21	11 1.93	+ 7 42.9	1.858	2.832	4.2	20.2
3 2	10 52.91	+ 8 33.7	1.844	2.835	0.5	19.9
3 12	10 43.87	+ 9 22.4	1.860	2.838	4.4	20.2
3 22	10 35.74	+10 3.5	1.904	2.839	8.5	20.4
4 1	10 29.34	+10 33.2	1.974	2.841	12.0	20.7
4 11	10 25.18	+10 49.4	2.065	2.842	15.0	20.9

343666 2010 OD_{37} 3 2.2 144°.49 4°.6/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.61	− 8 53.2	2.469	3.257	12.0	20.9
2 11	11 8.65	− 9 13.9	2.390	3.261	9.5	20.7
2 21	11 1.21	− 9 18.5	2.334	3.266	6.9	20.5
3 2	10 52.90	− 9 7.5	2.307	3.270	4.9	20.4
3 12	10 44.52	− 8 43.5	2.309	3.274	4.9	20.4
3 22	10 36.82	− 8 10.4	2.339	3.278	6.9	20.5
4 1	10 30.47	− 7 33.0	2.397	3.281	9.5	20.7
4 11	10 25.96	− 6 56.3	2.478	3.285	12.0	20.9

244111 2001 UV_{225} 3 2.2 241°.59 4°.7/26.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.58	+20 52.2	2.314	3.185	9.7	21.1
2 11	11 8.73	+21 47.2	2.250	3.180	7.1	20.9
2 21	11 1.28	+22 39.3	2.213	3.175	5.0	20.8
3 2	10 52.91	+23 22.0	2.205	3.169	5.0	20.7
3 12	10 44.52	+23 50.2	2.226	3.164	7.1	20.9
3 22	10 36.95	+24 1.1	2.274	3.158	9.8	21.0
4 1	10 30.92	+23 54.0	2.345	3.153	12.4	21.2
4 11	10 26.91	+23 30.1	2.437	3.147	14.7	21.3

379823 2011 KD_{45} 3 2.2 7°.56 1°.1/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.47	+ 7 41.8	1.760	2.629	12.4	20.9
2 11	11 7.55	+ 8 29.4	1.694	2.630	8.6	20.6
2 21	11 0.76	+ 9 26.5	1.654	2.630	4.3	20.4
3 2	10 52.90	+10 26.7	1.642	2.632	1.2	20.2
3 12	10 45.01	+11 22.7	1.657	2.633	5.1	20.4
3 22	10 38.07	+12 8.4	1.699	2.635	9.3	20.7
4 1	10 32.92	+12 39.5	1.766	2.637	13.0	20.9
4 11	10 30.08	+12 54.1	1.852	2.640	16.1	21.1

502284 2015 BE_{140} 3 2.2 230°.18 2°.0/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.27	+11 35.7	2.087	2.953	10.9	21.7
2 11	11 9.31	+12 11.8	2.015	2.949	7.5	21.5
2 21	11 1.62	+12 52.3	1.969	2.944	3.9	21.3
3 2	10 52.93	+13 31.7	1.952	2.940	2.1	21.1
3 12	10 44.16	+14 4.4	1.965	2.935	5.2	21.3
3 22	10 36.25	+14 26.2	2.005	2.930	8.8	21.5
4 1	10 29.97	+14 34.8	2.071	2.924	12.1	21.7
4 11	10 25.83	+14 29.3	2.157	2.919	14.9	21.9

83805 2001 TM_{225} 3 2.2 334°.30 7°.3/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 9.24	−20 22.1	2.180	2.912	15.0	18.9
2 11	11 5.17	−19 52.8	2.087	2.907	12.8	18.8
2 21	10 59.50	−18 54.1	2.015	2.902	10.4	18.6
3 2	10 52.89	−17 26.0	1.968	2.898	8.2	18.5
3 12	10 46.16	−15 32.8	1.947	2.894	7.3	18.4
3 22	10 40.16	−13 22.1	1.955	2.890	8.3	18.4
4 1	10 35.62	−11 3.6	1.990	2.887	10.6	18.6
4 11	10 33.03	− 8 47.5	2.051	2.884	13.2	18.7

54426 2000 LR_{25} 3 2.2 260°.62 2°.4/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.48	− 1 33.8	2.331	3.158	11.3	18.8
2 11	11 7.99	− 1 31.2	2.242	3.148	8.4	18.6
2 21	11 0.94	− 1 15.8	2.178	3.138	5.2	18.4
3 2	10 52.93	− 0 49.7	2.143	3.127	2.5	18.2
3 12	10 44.77	− 0 16.5	2.137	3.117	3.7	18.3
3 22	10 37.26	+ 0 19.4	2.161	3.107	6.9	18.4
4 1	10 31.12	+ 0 53.4	2.211	3.096	10.2	18.6
4 11	10 26.86	+ 1 21.5	2.284	3.085	13.0	18.8

500314 2012 RX_{21} 3 2.2 125°.78 1°.9/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 12.21	− 2 9.1	2.667	3.488	10.2	22.3
2 11	11 6.82	− 1 43.5	2.599	3.502	7.6	22.1
2 21	11 0.21	− 1 5.9	2.557	3.516	4.6	22.0
3 2	10 52.92	− 0 19.0	2.544	3.529	2.1	21.8
3 12	10 45.65	+ 0 33.0	2.562	3.542	3.1	21.9
3 22	10 39.03	+ 1 25.5	2.609	3.554	6.0	22.1
4 1	10 33.63	+ 2 14.3	2.685	3.566	8.7	22.3
4 11	10 29.84	+ 2 56.0	2.784	3.578	11.1	22.5

218625 2005 QE_{153} 3 2.2 172°.18 0°.5/ 1.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.03	+ 6 46.3	2.327	3.178	10.5	21.2
2 11	11 9.66	+ 7 19.0	2.256	3.182	7.3	21.0
2 21	11 1.74	+ 7 59.1	2.211	3.185	3.7	20.8
3 2	10 52.95	+ 8 42.1	2.196	3.187	0.5	20.5
3 12	10 44.13	+ 9 23.1	2.212	3.189	3.9	20.8
3 22	10 36.08	+ 9 57.8	2.258	3.190	7.5	21.0
4 1	10 29.52	+10 22.9	2.330	3.191	10.7	21.2
4 11	10 24.91	+10 36.6	2.424	3.191	13.3	21.4

318009 2004 CD_{92} 3 2.2 344°.88 3°.0/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 8.83	− 5 20.8	2.678	3.490	10.5	20.0
2 11	11 4.58	− 5 11.1	2.593	3.485	8.0	19.8
2 21	10 59.10	− 4 47.5	2.532	3.481	5.4	19.7
3 2	10 52.90	− 4 11.8	2.500	3.477	3.2	19.5
3 12	10 46.62	− 3 27.5	2.497	3.473	3.6	19.5
3 22	10 40.89	− 2 38.8	2.523	3.470	6.0	19.7
4 1	10 36.28	− 1 50.3	2.576	3.467	8.7	19.8
4 11	10 33.20	− 1 6.0	2.653	3.464	11.1	20.0

518867 2010 DP_{88} 3 2.2 140°.40 2°.6/28.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.02	+13 0.5	2.125	2.993	10.6	21.5
2 11	11 9.05	+13 54.2	2.066	3.000	7.3	21.3
2 21	11 1.44	+14 51.0	2.033	3.007	4.0	21.1
3 2	10 52.94	+15 44.6	2.030	3.014	2.8	21.0
3 12	10 44.47	+16 29.1	2.056	3.020	5.6	21.2
3 22	10 36.89	+17 0.5	2.111	3.026	8.9	21.4
4 1	10 30.93	+17 16.4	2.190	3.032	12.0	21.6
4 11	10 27.05	+17 16.8	2.290	3.037	14.5	21.8

467653 2008 TS_{82} 3 2.2 310°.92 1°.0/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.29	+ 4 33.3	1.660	2.517	13.7	20.1
2 11	11 11.19	+ 4 23.4	1.575	2.502	9.8	19.8
2 21	11 2.81	+ 4 23.8	1.515	2.487	5.4	19.5
3 2	10 52.97	+ 4 31.5	1.482	2.473	1.1	19.2
3 12	10 42.88	+ 4 41.9	1.477	2.458	4.7	19.4
3 22	10 33.74	+ 4 50.2	1.499	2.445	9.4	19.6
4 1	10 26.61	+ 4 52.5	1.545	2.431	13.7	19.9
4 11	10 22.17	+ 4 45.5	1.611	2.418	17.3	20.1

425135 2009 SP_{239} 3 2.2 111°.51 1°.1/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.26	+ 2 15.5	2.224	3.060	11.4	22.2
2 11	11 10.43	+ 2 31.5	2.167	3.082	8.2	22.0
2 21	11 2.08	+ 2 57.7	2.136	3.104	4.5	21.8
3 2	10 52.96	+ 3 30.7	2.135	3.125	1.2	21.6
3 12	10 43.94	+ 4 5.9	2.164	3.145	3.5	21.8
3 22	10 35.85	+ 4 38.8	2.223	3.164	7.1	22.1
4 1	10 29.35	+ 5 5.7	2.309	3.183	10.2	22.3
4 11	10 24.86	+ 5 24.1	2.418	3.202	12.9	22.5

158349 2001 XL_{89} 3 2.2 206°.18 3°.7/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.48	+14 50.7	1.773	2.643	12.3	20.9
2 11	11 12.55	+15 48.1	1.704	2.638	8.6	20.7
2 21	11 3.42	+16 48.1	1.661	2.633	5.0	20.4
3 2	10 52.99	+17 42.8	1.646	2.627	3.9	20.3
3 12	10 42.46	+18 24.7	1.660	2.620	7.1	20.5
3 22	10 33.01	+18 48.8	1.701	2.612	11.0	20.7
4 1	10 25.61	+18 53.3	1.766	2.604	14.6	20.9
4 11	10 20.87	+18 39.0	1.850	2.595	17.6	21.1

162018 1995 BD_{8} 3 2.2 220°.63 0°.5/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.37	+ 6 14.8	1.697	2.558	13.2	21.1
2 11	11 11.14	+ 6 51.4	1.621	2.551	9.3	20.8
2 21	11 2.72	+ 7 39.4	1.570	2.545	4.8	20.5
3 2	10 52.98	+ 8 32.7	1.547	2.538	0.5	20.2
3 12	10 43.07	+ 9 24.3	1.552	2.531	5.0	20.5
3 22	10 34.17	+10 7.5	1.585	2.523	9.7	20.7
4 1	10 27.27	+10 37.5	1.642	2.514	13.8	21.0
4 11	10 22.97	+10 52.0	1.719	2.506	17.2	21.2

204611 2005 JN_{109} 3 2.2 322°.99 2°.2/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.61	+11 5.3	2.133	3.003	10.5	20.2
2 11	11 6.74	+12 11.6	2.067	3.003	7.2	20.0
2 21	11 0.29	+13 23.5	2.027	3.002	3.8	19.8
3 2	10 52.93	+14 34.7	2.016	3.001	2.4	19.7
3 12	10 45.52	+15 38.4	2.034	3.000	5.3	19.9
3 22	10 38.89	+16 29.4	2.080	3.000	8.8	20.1
4 1	10 33.76	+17 4.6	2.151	2.999	11.9	20.3
4 11	10 30.59	+17 22.7	2.242	2.998	14.6	20.5

456372 2006 UL_{24} 3 2.2 104°.81 7°.2/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.17	+25 27.0	1.686	2.556	12.8	21.2
2 11	11 14.37	+26 17.8	1.639	2.562	9.7	21.1
2 21	11 4.28	+26 58.4	1.617	2.569	7.5	20.9
3 2	10 53.01	+27 20.4	1.622	2.575	7.6	20.9
3 12	10 41.96	+27 18.3	1.653	2.581	9.9	21.1
3 22	10 32.37	+26 51.2	1.710	2.587	12.9	21.3
4 1	10 25.19	+26 1.4	1.789	2.593	15.8	21.5
4 11	10 20.89	+24 53.4	1.886	2.598	18.3	21.7

198633 2005 AG_{54} 3 2.2 319°.13 1°.5/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.30	+ 9 19.9	1.811	2.682	12.0	19.7
2 11	11 8.20	+ 9 57.5	1.735	2.671	8.3	19.4
2 21	11 1.17	+10 42.9	1.684	2.660	4.3	19.1
3 2	10 52.96	+11 30.0	1.661	2.650	1.6	18.9
3 12	10 44.62	+12 12.3	1.665	2.640	5.3	19.2
3 22	10 37.16	+12 44.4	1.697	2.630	9.5	19.4
4 1	10 31.47	+13 2.4	1.752	2.621	13.2	19.6
4 11	10 28.12	+13 4.7	1.828	2.612	16.4	19.8

171011 2005 EY_{36} 3 2.2 341°.12 2°.3/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.35	+ 9 24.6	1.276	2.161	15.0	20.1
2 11	11 8.78	+10 20.9	1.211	2.153	10.4	19.8
2 21	11 1.66	+11 28.8	1.168	2.146	5.3	19.5
3 2	10 52.97	+12 38.9	1.151	2.140	2.5	19.3
3 12	10 44.14	+13 40.9	1.160	2.134	7.0	19.6
3 22	10 36.56	+14 26.2	1.192	2.130	12.1	19.9
4 1	10 31.40	+14 50.0	1.246	2.126	16.7	20.1
4 11	10 29.30	+14 51.2	1.317	2.123	20.5	20.3

363870 2005 SE_{25} 3 2.2 122°.66 1°.5/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.54	− 1 5.5	2.426	3.251	11.0	21.5
2 11	11 8.49	− 0 20.5	2.365	3.273	8.0	21.3
2 21	11 1.08	+ 0 37.4	2.331	3.294	4.6	21.1
3 2	10 52.96	+ 1 44.0	2.327	3.315	1.6	20.9
3 12	10 44.91	+ 2 53.8	2.354	3.335	3.3	21.1
3 22	10 37.65	+ 4 1.4	2.411	3.353	6.5	21.3
4 1	10 31.78	+ 5 2.0	2.496	3.371	9.5	21.6
4 11	10 27.71	+ 5 52.1	2.604	3.389	12.1	21.8

460482 2014 SK_{289} 3 2.2 165°.40 0°.6/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.07	+ 6 49.8	2.063	2.917	11.5	22.4
2 11	11 10.54	+ 7 29.2	1.995	2.923	8.0	22.2
2 21	11 2.26	+ 8 17.0	1.953	2.928	4.1	22.0
3 2	10 52.99	+ 9 7.9	1.941	2.932	0.7	21.7
3 12	10 43.71	+ 9 56.2	1.959	2.935	4.4	22.0
3 22	10 35.33	+10 36.5	2.005	2.938	8.3	22.2
4 1	10 28.64	+11 5.4	2.078	2.940	11.7	22.4
4 11	10 24.12	+11 20.9	2.172	2.942	14.6	22.6

258334 2001 VD_{68} 3 2.2 114°.01 5°.1/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.41	−10 53.7	2.213	2.993	13.4	20.8
2 11	11 9.94	−10 57.1	2.149	3.014	10.7	20.6
2 21	11 1.89	−10 40.4	2.108	3.035	7.8	20.5
3 2	10 52.99	−10 4.9	2.095	3.056	5.5	20.4
3 12	10 44.13	− 9 14.6	2.111	3.076	5.4	20.4
3 22	10 36.17	− 8 15.0	2.156	3.095	7.4	20.6
4 1	10 29.79	− 7 12.6	2.227	3.113	10.1	20.8
4 11	10 25.45	− 6 13.5	2.322	3.131	12.6	21.0

103088 1999 XD_{163} 3 2.2 200°.35 0°.6/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.29	+ 3 3.3	2.186	3.033	11.2	20.4
2 11	11 7.88	+ 3 32.7	2.109	3.031	8.0	20.2
2 21	11 0.89	+ 4 13.2	2.059	3.029	4.3	20.0
3 2	10 52.97	+ 5 0.8	2.037	3.028	0.7	19.7
3 12	10 44.98	+ 5 50.1	2.045	3.026	3.7	19.9
3 22	10 37.73	+ 6 36.0	2.082	3.024	7.4	20.1
4 1	10 31.96	+ 7 14.2	2.144	3.021	10.8	20.3
4 11	10 28.16	+ 7 41.4	2.230	3.019	13.7	20.5

365877 2011 UE_{315} 3 2.2 18°.40 15°.4/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 7.04	−31 12.3	1.194	1.909	26.0	19.8
2 11	11 4.62	−31 43.0	1.134	1.916	23.5	19.6
2 21	10 59.57	−31 20.0	1.085	1.926	20.8	19.4
3 2	10 52.94	−29 57.4	1.052	1.936	18.0	19.3
3 12	10 46.25	−27 37.5	1.037	1.948	16.0	19.2
3 22	10 40.96	−24 32.2	1.042	1.962	15.4	19.2
4 1	10 38.24	−21 0.5	1.069	1.977	16.5	19.3
4 11	10 38.67	−17 24.9	1.118	1.993	18.8	19.5

169405 2001 XK_{39} 3 2.2 139°.83 1°.1/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.97	+10 18.5	2.870	3.725	8.6	20.3
2 11	11 7.98	+10 46.3	2.807	3.736	5.9	20.2
2 21	11 0.79	+11 17.4	2.773	3.747	3.0	20.0
3 2	10 52.97	+11 48.1	2.768	3.757	1.2	19.9
3 12	10 45.19	+12 14.9	2.795	3.767	3.7	20.1
3 22	10 38.07	+12 34.8	2.852	3.776	6.5	20.3
4 1	10 32.15	+12 45.9	2.936	3.786	9.1	20.4
4 11	10 27.80	+12 47.3	3.043	3.794	11.2	20.6

386520 2009 BD_{146} 3 2.2 44°.65 1°.9/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 13.97	+ 0 25.9	2.124	2.962	11.9	21.0
2 11	11 8.35	+ 0 27.1	2.053	2.967	8.7	20.8
2 21	11 1.12	+ 0 40.3	2.007	2.972	5.1	20.6
3 2	10 52.98	+ 1 2.9	1.989	2.977	2.1	20.4
3 12	10 44.81	+ 1 30.8	2.001	2.982	3.7	20.5
3 22	10 37.46	+ 1 59.4	2.041	2.987	7.2	20.8
4 1	10 31.64	+ 2 24.6	2.107	2.993	10.6	21.0
4 11	10 27.84	+ 2 42.8	2.195	2.998	13.4	21.2

110956 2001 UW_{164} 3 2.2 130°.50 6°.8/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.11	+25 22.8	1.905	2.775	11.6	19.9
2 11	11 12.09	+26 31.7	1.860	2.783	8.8	19.8
2 21	11 3.07	+27 31.9	1.842	2.791	7.0	19.7
3 2	10 53.02	+28 15.3	1.850	2.798	7.3	19.7
3 12	10 43.10	+28 36.0	1.887	2.805	9.4	19.8
3 22	10 34.40	+28 32.5	1.948	2.812	12.1	20.0
4 1	10 27.77	+28 6.0	2.031	2.819	14.8	20.2
4 11	10 23.67	+27 20.0	2.133	2.825	17.0	20.4

206271 2002 YP_{12} 3 2.2 68°.27 2°.7/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.27	− 3 14.5	2.097	2.920	12.5	19.7
2 11	11 8.42	− 3 1.0	2.045	2.948	9.3	19.5
2 21	11 1.08	− 2 32.2	2.019	2.976	5.8	19.4
3 2	10 52.99	− 1 51.3	2.020	3.003	3.0	19.2
3 12	10 45.02	− 1 3.4	2.051	3.030	3.9	19.3
3 22	10 37.99	− 0 13.8	2.110	3.057	7.0	19.6
4 1	10 32.55	+ 0 32.2	2.196	3.084	10.1	19.8
4 11	10 29.08	+ 1 10.6	2.305	3.111	12.8	20.0

41054 1999 VL_{18} 3 2.2 187°.70 2°.9/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.12	− 4 52.2	2.406	3.218	11.5	19.6
2 11	11 7.68	− 4 31.6	2.323	3.218	8.7	19.4
2 21	11 0.77	− 3 55.4	2.265	3.217	5.7	19.2
3 2	10 53.00	− 3 6.0	2.235	3.215	3.2	19.0
3 12	10 45.13	− 2 7.6	2.235	3.213	3.8	19.0
3 22	10 37.93	− 1 5.8	2.265	3.211	6.7	19.2
4 1	10 32.07	− 0 5.9	2.322	3.208	9.7	19.4
4 11	10 28.01	+ 0 47.4	2.403	3.205	12.4	19.6

416995 2005 TP_{157} 3 2.2 128°.78 0°.4/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.92	+ 6 23.9	1.913	2.770	12.1	21.6
2 11	11 9.83	+ 6 55.6	1.849	2.777	8.4	21.4
2 21	11 1.93	+ 7 36.3	1.810	2.784	4.3	21.2
3 2	10 53.03	+ 8 21.0	1.800	2.791	0.4	20.9
3 12	10 44.13	+ 9 3.5	1.819	2.797	4.4	21.2
3 22	10 36.21	+ 9 38.7	1.866	2.803	8.5	21.5
4 1	10 30.04	+10 3.0	1.939	2.809	12.1	21.7
4 11	10 26.14	+10 14.2	2.032	2.815	15.0	21.9

148901 2001 WR_{67} 3 2.2 317°.00 2°.8/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.03	+12 12.6	1.691	2.566	12.5	20.2
2 11	11 9.47	+13 6.6	1.626	2.564	8.6	20.0
2 21	11 1.85	+14 5.9	1.586	2.561	4.6	19.7
3 2	10 53.02	+15 3.1	1.573	2.559	3.0	19.6
3 12	10 44.14	+15 50.5	1.589	2.556	6.4	19.8
3 22	10 36.30	+16 22.6	1.630	2.554	10.5	20.1
4 1	10 30.42	+16 36.5	1.695	2.552	14.2	20.3
4 11	10 27.07	+16 31.9	1.779	2.550	17.3	20.5

413963 2007 CL_{27} 3 2.2 56°.29 1°.1/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.68	+ 9 49.1	1.529	2.396	14.0	20.2
2 11	11 13.33	+ 9 50.5	1.478	2.411	9.7	20.0
2 21	11 3.76	+ 9 57.4	1.452	2.427	4.9	19.8
3 2	10 53.07	+10 4.8	1.453	2.444	1.2	19.5
3 12	10 42.59	+10 7.4	1.483	2.460	5.4	19.8
3 22	10 33.54	+10 1.7	1.539	2.477	9.9	20.1
4 1	10 26.82	+ 9 45.8	1.619	2.494	13.8	20.4
4 11	10 22.90	+ 9 19.1	1.720	2.511	17.0	20.7

52208 3423 $T\text{-}_3$ 3 2.2 56°.99 1°.0/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.55	+ 6 55.6	1.471	2.342	14.3	19.0
2 11	11 9.84	+ 7 42.1	1.423	2.358	9.8	18.8
2 21	11 2.00	+ 8 39.4	1.399	2.375	5.0	18.5
3 2	10 53.05	+ 9 39.8	1.402	2.393	1.0	18.3
3 12	10 44.25	+10 35.1	1.432	2.410	5.4	18.6
3 22	10 36.75	+11 18.6	1.489	2.428	10.0	18.9
4 1	10 31.44	+11 46.1	1.568	2.446	14.0	19.2
4 11	10 28.78	+11 56.4	1.667	2.464	17.3	19.5

361599 2007 RQ_{311} 3 2.2 153°.90 3°.5/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.57	− 4 45.8	1.814	2.635	14.3	21.1
2 11	11 10.42	− 4 31.2	1.742	2.641	10.8	20.9
2 21	11 2.31	− 3 56.8	1.693	2.648	7.0	20.7
3 2	10 53.06	− 3 5.5	1.672	2.653	3.8	20.5
3 12	10 43.75	− 2 3.1	1.680	2.658	4.7	20.6
3 22	10 35.41	− 0 56.9	1.715	2.663	8.3	20.8
4 1	10 28.94	+ 0 6.2	1.776	2.667	12.0	21.0
4 11	10 24.86	+ 1 0.1	1.860	2.670	15.2	21.2

357136 2002 AC_{130} 3 2.2 353°.00 1°.3/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 34.16	+11 19.2	1.005	1.877	19.3	19.1
2 11	11 24.19	+ 9 15.6	0.935	1.868	13.9	18.7
2 21	11 10.03	+ 7 4.4	0.887	1.861	7.5	18.3
3 2	10 53.23	+ 4 48.1	0.865	1.856	1.3	17.9
3 12	10 36.24	+ 2 31.8	0.871	1.852	7.1	18.3
3 22	10 21.46	+ 0 22.1	0.903	1.851	13.7	18.6
4 1	10 10.66	− 1 37.5	0.957	1.850	19.4	18.9
4 11	10 4.58	− 3 27.1	1.029	1.852	23.9	19.2

98637 2000 WP_{115} 3 2.2 113°.64 2°.5/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.72	− 0 47.8	1.626	2.467	14.7	19.8
2 11	11 11.32	− 0 39.4	1.562	2.477	10.8	19.6
2 21	11 2.80	− 0 13.8	1.522	2.486	6.5	19.4
3 2	10 53.08	+ 0 25.2	1.509	2.496	2.7	19.2
3 12	10 43.36	+ 1 11.6	1.524	2.505	4.6	19.3
3 22	10 34.79	+ 1 58.5	1.566	2.514	8.9	19.6
4 1	10 28.29	+ 2 39.8	1.632	2.522	12.9	19.8
4 11	10 24.42	+ 3 10.6	1.720	2.531	16.2	20.1

193941 2001 RV_{34} 3 2.2 93°.74 3°.4/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.00	− 2 25.6	1.437	2.277	16.4	20.3
2 11	11 12.36	− 2 23.8	1.380	2.292	12.2	20.0
2 21	11 3.37	− 2 1.6	1.345	2.307	7.5	19.8
3 2	10 53.09	− 1 22.3	1.337	2.321	3.7	19.6
3 12	10 42.89	− 0 32.7	1.355	2.336	5.2	19.7
3 22	10 34.04	+ 0 19.3	1.400	2.350	9.5	20.0
4 1	10 27.55	+ 1 6.2	1.469	2.364	13.7	20.3
4 11	10 23.94	+ 1 42.6	1.558	2.377	17.2	20.6

326392 2001 QW_{204} 3 2.2 120°.00 2°.3/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.72	− 2 43.8	2.023	2.850	12.8	21.3
2 11	11 8.90	− 2 9.9	1.959	2.865	9.5	21.1
2 21	11 1.43	− 1 19.5	1.920	2.880	5.8	20.9
3 2	10 53.06	− 0 16.5	1.909	2.894	2.6	20.7
3 12	10 44.72	+ 0 52.9	1.927	2.908	3.9	20.8
3 22	10 37.29	+ 2 2.1	1.975	2.921	7.4	21.0
4 1	10 31.49	+ 3 5.0	2.049	2.934	10.8	21.3
4 11	10 27.79	+ 3 57.2	2.145	2.946	13.8	21.5

427156 2014 UF_{183} 3 2.2 84°.59 2°.0/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.92	− 1 17.4	1.727	2.569	14.0	20.7
2 11	11 8.56	− 0 38.7	1.666	2.582	10.2	20.5
2 21	11 1.32	+ 0 17.9	1.629	2.594	6.0	20.3
3 2	10 53.06	+ 1 27.5	1.619	2.607	2.2	20.1
3 12	10 44.82	+ 2 42.4	1.637	2.619	4.2	20.2
3 22	10 37.61	+ 3 55.1	1.683	2.632	8.3	20.5
4 1	10 32.24	+ 4 58.7	1.754	2.644	12.1	20.8
4 11	10 29.21	+ 5 48.5	1.847	2.656	15.3	21.0

499189 2009 SV_{336} 3 2.2 169°.27 4°.3/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.20	−10 25.9	2.587	3.364	11.8	23.0
2 11	11 8.36	−10 12.9	2.504	3.369	9.4	22.9
2 21	11 1.12	− 9 42.0	2.445	3.374	6.8	22.7
3 2	10 53.07	− 8 54.7	2.414	3.378	4.7	22.6
3 12	10 44.95	− 7 54.5	2.414	3.381	4.6	22.6
3 22	10 37.49	− 6 46.5	2.443	3.383	6.6	22.7
4 1	10 31.32	− 5 36.6	2.500	3.385	9.1	22.8
4 11	10 26.89	− 4 30.2	2.581	3.385	11.6	23.0

94775 2001 XW_{111} 3 2.2 284°.34 1°.7/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.82	+ 0 22.8	1.430	2.286	15.5	19.6
2 11	11 9.76	+ 0 54.2	1.349	2.273	11.3	19.3
2 21	11 2.23	+ 1 46.3	1.291	2.261	6.5	19.0
3 2	10 53.10	+ 2 54.2	1.258	2.248	1.9	18.7
3 12	10 43.67	+ 4 9.5	1.253	2.235	5.0	18.9
3 22	10 35.27	+ 5 22.6	1.272	2.223	10.2	19.1
4 1	10 29.07	+ 6 25.1	1.316	2.210	15.0	19.4
4 11	10 25.79	+ 7 11.1	1.378	2.198	19.1	19.6

497246 2005 GL_{19} 3 2.2 245°.80 2°.6/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.16	− 4 12.7	2.298	3.118	11.7	21.5
2 11	11 6.43	− 3 40.3	2.211	3.112	8.8	21.3
2 21	11 0.20	− 2 51.2	2.149	3.105	5.6	21.1
3 2	10 53.07	− 1 48.4	2.116	3.098	2.9	20.9
3 12	10 45.82	− 0 37.0	2.111	3.091	3.7	20.9
3 22	10 39.22	+ 0 36.9	2.136	3.084	6.8	21.1
4 1	10 33.95	+ 1 47.4	2.188	3.077	10.1	21.3
4 11	10 30.51	+ 2 49.2	2.263	3.070	13.0	21.5

405919 2006 KC_{37} 3 2.2 105°.95 4°.7/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.37	+16 43.0	1.615	2.492	12.8	21.2
2 11	11 11.75	+17 57.5	1.570	2.506	9.0	21.0
2 21	11 3.00	+19 11.7	1.551	2.521	5.6	20.8
3 2	10 53.14	+20 16.0	1.559	2.535	5.1	20.8
3 12	10 43.43	+21 2.8	1.596	2.549	8.0	21.0
3 22	10 35.03	+21 27.7	1.657	2.562	11.6	21.3
4 1	10 28.84	+21 30.2	1.742	2.575	15.0	21.5
4 11	10 25.33	+21 12.3	1.845	2.587	17.7	21.7

6213 Zwiers 3 2.2 50°.09 1°.0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.02	+ 2 43.4	1.175	2.045	17.2	17.9
2 11	11 11.27	+ 3 7.9	1.127	2.059	12.2	17.7
2 21	11 2.91	+ 3 50.7	1.101	2.074	6.6	17.4
3 2	10 53.14	+ 4 44.8	1.099	2.089	1.2	17.1
3 12	10 43.52	+ 5 40.8	1.122	2.105	5.4	17.4
3 22	10 35.49	+ 6 29.8	1.170	2.121	10.8	17.8
4 1	10 30.11	+ 7 5.4	1.241	2.138	15.5	18.1
4 11	10 27.88	+ 7 24.1	1.329	2.155	19.3	18.4

496332 2013 OC_9 3 2.2 182°.39 4°.9/ 7.8 16

2 1	11 14.86	−11 38.1	2.552	3.322	12.1	22.3
2 11	11 8.89	−11 40.7	2.465	3.323	9.8	22.1
2 21	11 1.44	−11 25.1	2.402	3.323	7.3	21.9
3 2	10 53.11	−10 51.9	2.366	3.323	5.3	21.8
3 12	10 44.67	−10 4.0	2.360	3.322	5.1	21.8
3 22	10 36.88	− 9 6.2	2.383	3.320	6.9	21.9
4 1	10 30.40	− 8 4.0	2.434	3.318	9.4	22.1
4 11	10 25.72	− 7 3.2	2.509	3.315	11.9	22.2

7136 Yokohasuo 3 2.2 177°.15 7°.2/23.1 18

2 1	11 17.44	+27 12.5	2.086	2.953	10.8	17.5
2 11	11 10.97	+28 43.2	2.038	2.955	8.5	17.4
2 21	11 2.59	+30 5.2	2.017	2.956	7.3	17.3
3 2	10 53.14	+31 9.9	2.024	2.957	7.8	17.3
3 12	10 43.69	+31 51.0	2.058	2.957	9.8	17.5
3 22	10 35.28	+32 6.4	2.116	2.957	12.3	17.6
4 1	10 28.74	+31 56.7	2.196	2.956	14.6	17.8
4 11	10 24.59	+31 25.3	2.294	2.955	16.6	17.9

200708 2001 UU_{141} 3 2.2 56°.20 5°.1/27.9 18

2 1	11 19.94	+16 2.7	1.189	2.076	15.7	20.3
2 11	11 13.23	+17 1.6	1.153	2.095	10.9	20.1
2 21	11 3.85	+18 0.0	1.141	2.114	6.5	19.9
3 2	10 53.16	+18 47.2	1.153	2.133	5.3	19.9
3 12	10 42.84	+19 14.5	1.191	2.153	8.9	20.1
3 22	10 34.34	+19 18.2	1.252	2.173	13.2	20.4
4 1	10 28.66	+18 58.8	1.334	2.193	17.2	20.7
4 11	10 26.21	+18 19.2	1.433	2.213	20.4	21.0

462860 2010 VH_{29} 3 2.2 33°.80 2°.8/ 4.4 16

2 1	11 14.37	− 1 13.3	1.376	2.229	16.2	20.9
2 11	11 9.22	− 1 4.3	1.320	2.240	11.9	20.7
2 21	11 1.81	− 0 35.0	1.286	2.252	7.2	20.4
3 2	10 53.12	+ 0 10.2	1.277	2.264	3.1	20.2
3 12	10 44.49	+ 1 4.0	1.294	2.277	4.9	20.4
3 22	10 37.13	+ 1 58.1	1.337	2.290	9.5	20.7
4 1	10 32.02	+ 2 45.2	1.403	2.304	13.8	20.9
4 11	10 29.68	+ 3 19.9	1.489	2.319	17.4	21.2

126137 2001 YJ_{126} 3 2.2 216°.36 5°.0/26.1 18

2 1	11 17.27	+20 50.9	2.133	3.003	10.5	19.8
2 11	11 10.80	+21 53.3	2.068	2.997	7.7	19.6
2 21	11 2.51	+22 52.7	2.029	2.990	5.4	19.5
3 2	10 53.14	+23 42.0	2.019	2.983	5.4	19.4
3 12	10 43.72	+24 14.9	2.038	2.975	7.7	19.6
3 22	10 35.20	+24 28.4	2.083	2.967	10.6	19.7
4 1	10 28.42	+24 21.8	2.152	2.958	13.4	19.9
4 11	10 23.89	+23 56.8	2.241	2.949	15.8	20.1

66702 1999 TJ_{88} 3 2.2 181°.64 3°.3/ 6.1 18

2 1	11 12.67	− 6 41.7	2.353	3.158	12.0	20.0
2 11	11 7.43	− 6 12.4	2.270	3.159	9.2	19.8
2 21	11 0.71	− 5 25.3	2.212	3.159	6.2	19.6
3 2	10 53.11	− 4 23.1	2.182	3.159	3.6	19.4
3 12	10 45.43	− 3 10.5	2.182	3.158	4.0	19.5
3 22	10 38.43	− 1 53.6	2.211	3.157	6.7	19.6
4 1	10 32.78	− 0 38.6	2.267	3.156	9.8	19.8
4 11	10 28.97	+ 0 29.0	2.348	3.154	12.6	20.0

322144 2010 WT_7 3 2.2 163°.01 1°.2/ 1.1 18

2 1	11 15.80	+ 8 8.3	1.972	2.833	11.6	21.2
2 11	11 9.77	+ 8 55.2	1.906	2.837	8.1	21.0
2 21	11 1.96	+ 9 50.0	1.865	2.841	4.1	20.8
3 2	10 53.14	+10 46.9	1.854	2.844	1.2	20.6
3 12	10 44.30	+11 39.3	1.872	2.847	4.8	20.8
3 22	10 36.36	+12 21.8	1.918	2.849	8.7	21.1
4 1	10 30.15	+12 51.0	1.989	2.851	12.2	21.3
4 11	10 26.14	+13 5.1	2.082	2.852	15.1	21.5

200853 2001 YP_{44} 3 2.2 76°.01 4°.7/27.8 18

2 1	11 19.30	+15 41.4	1.348	2.230	14.5	19.8
2 11	11 12.64	+16 48.6	1.307	2.247	10.1	19.6
2 21	11 3.54	+17 56.4	1.290	2.263	6.0	19.4
3 2	10 53.18	+18 54.4	1.300	2.279	5.1	19.4
3 12	10 43.06	+19 33.9	1.336	2.295	8.4	19.6
3 22	10 34.53	+19 50.5	1.396	2.312	12.6	19.9
4 1	10 28.56	+19 44.0	1.478	2.328	16.3	20.2
4 11	10 25.60	+19 16.6	1.578	2.344	19.3	20.4

142617 2002 TE_{146} 3 2.2 50°.35 11°.2/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 37.36	+35 23.5	1.415	2.259	16.3	19.8
2 11	11 25.01	+35 36.8	1.381	2.276	13.5	19.7
2 21	11 9.71	+35 23.7	1.371	2.294	11.5	19.6
3 2	10 53.32	+34 35.5	1.386	2.312	11.4	19.6
3 12	10 37.98	+33 10.9	1.428	2.330	13.1	19.8
3 22	10 25.37	+31 16.2	1.495	2.349	15.8	20.0
4 1	10 16.42	+29 0.9	1.584	2.368	18.4	20.2
4 11	10 11.31	+26 34.5	1.691	2.387	20.7	20.5

149873 2005 QA_{144} 3 2.2 212°.55 2°.1/28.7 17

2 1	11 13.24	+13 19.4	2.699	3.562	8.8	20.3
2 11	11 7.67	+13 56.7	2.625	3.557	6.1	20.1
2 21	11 0.78	+14 36.1	2.579	3.553	3.3	19.9
3 2	10 53.13	+15 13.3	2.564	3.548	2.2	19.8
3 12	10 45.43	+15 44.1	2.578	3.543	4.5	20.0
3 22	10 38.36	+16 5.3	2.622	3.537	7.4	20.2
4 1	10 32.54	+16 14.9	2.692	3.531	10.1	20.3
4 11	10 28.38	+16 12.4	2.783	3.526	12.3	20.5

346878 2009 FD_{65} 3 2.2 11°.17 0°.0/ 2.3 17

2 1	11 12.19	+ 5 4.4	1.907	2.767	12.0	20.7
2 11	11 7.31	+ 5 33.2	1.840	2.769	8.4	20.5
2 21	11 0.70	+ 6 12.4	1.797	2.771	4.4	20.3
3 2	10 53.12	+ 6 57.3	1.783	2.774	0.1	19.9
3 12	10 45.51	+ 7 41.9	1.797	2.777	4.2	20.3
3 22	10 38.78	+ 8 20.8	1.838	2.781	8.2	20.5
4 1	10 33.68	+ 8 49.8	1.904	2.785	11.8	20.7
4 11	10 30.72	+ 9 6.3	1.992	2.789	14.8	20.9

91738 1999 TE_{174} 3 2.2 84°.63 6°.6/23.1 18

2 1	11 15.03	+29 14.6	2.495	3.356	9.5	18.7
2 11	11 9.05	+30 16.2	2.447	3.357	7.6	18.6
2 21	11 1.51	+31 8.5	2.425	3.358	6.6	18.6
3 2	10 53.14	+31 45.4	2.431	3.358	7.0	18.6
3 12	10 44.82	+32 2.6	2.465	3.359	8.6	18.7
3 22	10 37.38	+31 58.8	2.523	3.359	10.7	18.8
4 1	10 31.50	+31 34.8	2.604	3.360	12.7	19.0
4 11	10 27.61	+30 53.2	2.704	3.360	14.4	19.1

391791 2008 RC_{64} 3 2.2 184°.31 0°.8/ 1.5 18

2 1	11 18.07	+ 6 11.8	1.870	2.725	12.5	22.4
2 11	11 11.49	+ 7 6.8	1.798	2.726	8.7	22.1
2 21	11 2.92	+ 8 12.7	1.751	2.726	4.4	21.9
3 2	10 53.19	+ 9 23.2	1.734	2.725	0.8	21.6
3 12	10 43.35	+10 30.6	1.747	2.723	4.9	21.9
3 22	10 34.48	+11 28.4	1.788	2.720	9.1	22.1
4 1	10 27.45	+12 12.0	1.854	2.717	12.9	22.4
4 11	10 22.84	+12 39.0	1.942	2.712	16.1	22.6

88670 2001 RL_{84} 3 2.2 348°.83 1°.8/ 3.8 18

2 1	11 13.61	+ 0 4.4	1.603	2.454	14.4	19.4
2 11	11 8.60	+ 0 32.9	1.531	2.452	10.5	19.1
2 21	11 1.51	+ 1 19.4	1.483	2.451	6.1	18.9
3 2	10 53.16	+ 2 19.3	1.461	2.450	2.0	18.6
3 12	10 44.70	+ 3 25.2	1.466	2.449	4.5	18.8
3 22	10 37.25	+ 4 29.2	1.498	2.448	9.0	19.0
4 1	10 31.74	+ 5 24.3	1.555	2.448	13.2	19.3
4 11	10 28.77	+ 6 5.5	1.632	2.447	16.8	19.5

519282 2011 BS_{166} 3 2.2 304°.87 5°.0/ 5.8 17

2 1	11 16.66	− 5 35.5	1.740	2.560	14.9	20.9
2 11	11 10.80	− 6 11.5	1.651	2.546	11.6	20.6
2 21	11 2.72	− 6 29.6	1.585	2.533	8.1	20.4
3 2	10 53.20	− 6 29.4	1.545	2.519	5.3	20.2
3 12	10 43.35	− 6 13.7	1.533	2.506	5.9	20.2
3 22	10 34.34	− 5 47.1	1.547	2.493	9.1	20.3
4 1	10 27.21	− 5 15.9	1.586	2.481	12.9	20.5
4 11	10 22.67	− 4 46.6	1.646	2.468	16.3	20.7

377896 2006 DD_{89} 3 2.2 199°.28 0°.6/ 1.6 17

2 1	11 15.34	+ 7 33.4	2.112	2.969	11.1	21.4
2 11	11 9.40	+ 7 59.4	2.039	2.968	7.8	21.2
2 21	11 1.78	+ 8 32.6	1.992	2.967	4.0	20.9
3 2	10 53.18	+ 9 8.7	1.974	2.965	0.7	20.7
3 12	10 44.52	+ 9 42.3	1.986	2.963	4.3	20.9
3 22	10 36.69	+10 9.2	2.026	2.961	8.1	21.2
4 1	10 30.44	+10 26.0	2.092	2.959	11.5	21.4
4 11	10 26.28	+10 30.9	2.180	2.957	14.3	21.6

409904 2006 TN_{26} 3 2.2 110°.18 1°.7/ 3.8 18

2 1	11 15.75	− 0 25.1	1.886	2.724	13.1	22.3
2 11	11 9.71	+ 0 10.5	1.827	2.741	9.5	22.1
2 21	11 1.92	+ 1 1.4	1.792	2.758	5.5	21.9
3 2	10 53.18	+ 2 3.1	1.786	2.774	1.8	21.7
3 12	10 44.51	+ 3 8.9	1.809	2.791	3.9	21.9
3 22	10 36.84	+ 4 12.0	1.860	2.806	7.9	22.1
4 1	10 30.93	+ 5 6.8	1.938	2.821	11.5	22.4
4 11	10 27.26	+ 5 49.4	2.037	2.836	14.5	22.6

225588 2000 WS_{81} 3 2.2 117°.40 1°.0/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 14.96	+ 2 12.1	2.020	2.865	12.1	21.0
2 11	11 9.12	+ 2 37.3	1.955	2.874	8.6	20.8
2 21	11 1.61	+ 3 14.5	1.914	2.884	4.8	20.6
3 2	10 53.18	+ 3 59.7	1.903	2.893	1.1	20.4
3 12	10 44.74	+ 4 47.2	1.920	2.901	3.8	20.6
3 22	10 37.20	+ 5 31.6	1.966	2.910	7.7	20.8
4 1	10 31.29	+ 6 8.5	2.038	2.918	11.1	21.1
4 11	10 27.50	+ 6 34.5	2.132	2.926	14.1	21.3

503818 2017 KU_{12} 3 2.2 271°.12 4°.7/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.83	+15 16.3	1.532	2.412	13.2	21.3
2 11	11 11.18	+16 38.7	1.455	2.394	9.3	21.0
2 21	11 3.02	+18 6.8	1.403	2.375	5.7	20.8
3 2	10 53.22	+19 29.9	1.378	2.356	5.1	20.7
3 12	10 43.09	+20 37.5	1.380	2.336	8.6	20.8
3 22	10 34.00	+21 22.3	1.407	2.317	12.9	21.0
4 1	10 27.13	+21 41.0	1.456	2.297	17.0	21.2
4 11	10 23.21	+21 34.3	1.522	2.277	20.4	21.4

176920 2002 VE_{106} 3 2.2 172°.45 0°.3/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.40	+ 4 11.5	2.167	3.012	11.4	21.0
2 11	11 10.10	+ 4 43.7	2.094	3.016	8.0	20.8
2 21	11 2.12	+ 5 26.0	2.047	3.019	4.2	20.5
3 2	10 53.20	+ 6 14.1	2.030	3.021	0.3	20.2
3 12	10 44.22	+ 7 2.5	2.043	3.023	3.8	20.5
3 22	10 36.07	+ 7 46.1	2.085	3.024	7.7	20.7
4 1	10 29.49	+ 8 20.8	2.154	3.024	11.1	21.0
4 11	10 24.97	+ 8 43.9	2.245	3.024	13.9	21.2

123180 2000 TP_{68} 3 2.2 69°.24 7°.0/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.53	+23 1.7	1.702	2.582	12.1	19.6
2 11	11 9.74	+24 52.5	1.673	2.603	9.1	19.5
2 21	11 1.97	+26 35.5	1.671	2.625	7.1	19.4
3 2	10 53.19	+28 0.2	1.696	2.646	7.6	19.5
3 12	10 44.60	+28 59.3	1.748	2.667	10.0	19.7
3 22	10 37.28	+29 29.9	1.824	2.689	12.8	19.9
4 1	10 32.03	+29 33.2	1.920	2.710	15.4	20.1
4 11	10 29.30	+29 12.7	2.034	2.731	17.6	20.3

215244 2001 EN_{14} 3 2.2 316°.97 5°.8/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.88	+15 34.1	1.322	2.215	13.9	19.0
2 11	11 7.95	+17 28.9	1.251	2.196	9.9	18.7
2 21	11 1.42	+19 32.0	1.205	2.177	6.4	18.5
3 2	10 53.18	+21 29.7	1.184	2.158	6.5	18.4
3 12	10 44.62	+23 7.8	1.189	2.141	10.2	18.6
3 22	10 37.17	+24 16.9	1.216	2.123	14.8	18.8
4 1	10 32.07	+24 52.4	1.264	2.107	18.9	19.0
4 11	10 30.08	+24 55.5	1.327	2.091	22.4	19.2

459540 2013 GY_{19} 3 2.2 349°.65 0°.5/ 1.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.35	+ 5 14.7	1.069	1.957	17.0	20.7
2 11	11 7.75	+ 5 58.3	1.006	1.948	12.0	20.4
2 21	11 1.35	+ 7 1.0	0.964	1.941	6.2	20.0
3 2	10 53.19	+ 8 14.2	0.944	1.935	0.5	19.6
3 12	10 44.84	+ 9 26.1	0.949	1.931	6.4	20.0
3 22	10 37.88	+10 25.8	0.976	1.928	12.4	20.3
4 1	10 33.57	+11 5.3	1.024	1.926	17.6	20.6
4 11	10 32.61	+11 21.4	1.088	1.926	21.9	20.9

273647 2007 DJ_{71} 3 2.2 64°.71 1°.2/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.82	+ 8 31.3	1.709	2.576	12.8	21.3
2 11	11 9.96	+ 9 6.4	1.650	2.583	8.9	21.0
2 21	11 2.13	+ 9 49.5	1.615	2.591	4.5	20.8
3 2	10 53.21	+10 34.3	1.608	2.598	1.3	20.6
3 12	10 44.31	+11 14.2	1.629	2.605	5.2	20.9
3 22	10 36.51	+11 44.0	1.677	2.613	9.4	21.1
4 1	10 30.65	+12 0.1	1.750	2.620	13.1	21.4
4 11	10 27.24	+12 1.4	1.842	2.628	16.2	21.6

135755 2002 QL_{79} 3 2.2 126°.66 1°.3/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.78	+ 0 48.2	1.783	2.627	13.5	20.7
2 11	11 9.88	+ 1 23.2	1.718	2.637	9.7	20.5
2 21	11 2.08	+ 2 13.5	1.678	2.646	5.4	20.3
3 2	10 53.21	+ 3 14.3	1.666	2.655	1.5	20.0
3 12	10 44.34	+ 4 18.7	1.682	2.664	4.2	20.2
3 22	10 36.48	+ 5 19.5	1.727	2.672	8.4	20.5
4 1	10 30.47	+ 6 11.1	1.797	2.680	12.2	20.7
4 11	10 26.83	+ 6 49.4	1.888	2.688	15.4	21.0

299964 2006 TQ_{79} 3 2.2 170°.63 3°.6/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.75	− 7 54.3	2.685	3.479	11.0	21.3
2 11	11 6.67	− 7 46.2	2.602	3.481	8.6	21.2
2 21	11 0.29	− 7 22.7	2.544	3.483	6.0	21.0
3 2	10 53.17	− 6 45.4	2.514	3.484	3.9	20.9
3 12	10 45.98	− 5 57.6	2.513	3.485	4.0	20.9
3 22	10 39.38	− 5 3.7	2.542	3.486	6.1	21.0
4 1	10 33.95	− 4 8.6	2.599	3.487	8.7	21.2
4 11	10 30.13	− 3 16.9	2.679	3.487	11.1	21.3

112167 2002 JM_{81} 3 2.2 31°.62 2°.6/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 13.69	− 1 26.9	1.211	2.071	17.4	19.8
2 11	11 9.01	− 1 1.2	1.156	2.080	12.8	19.6
2 21	11 1.82	− 0 11.5	1.122	2.090	7.6	19.3
3 2	10 53.21	+ 0 56.3	1.112	2.100	3.0	19.0
3 12	10 44.62	+ 2 12.6	1.127	2.111	5.2	19.2
3 22	10 37.43	+ 3 26.8	1.167	2.123	10.3	19.5
4 1	10 32.69	+ 4 29.8	1.230	2.135	15.0	19.8
4 11	10 30.96	+ 5 15.6	1.311	2.148	18.9	20.1

127074 2002 GS_{61} 3 2.2 106°.05 2°.9/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.92	+13 43.7	1.926	2.797	11.4	19.8
2 11	11 9.90	+14 27.5	1.865	2.800	7.9	19.5
2 21	11 2.07	+15 13.8	1.830	2.803	4.4	19.3
3 2	10 53.22	+15 56.2	1.823	2.807	3.1	19.3
3 12	10 44.38	+16 28.8	1.845	2.810	6.0	19.4
3 22	10 36.53	+16 47.5	1.894	2.813	9.6	19.7
4 1	10 30.46	+16 50.4	1.968	2.816	12.9	19.9
4 11	10 26.67	+16 37.6	2.061	2.819	15.6	20.1

181763 1996 VR_{25} 3 2.2 98°.08 0°.2/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.48	+ 3 53.6	1.619	2.475	14.0	20.9
2 11	11 11.10	+ 4 35.5	1.566	2.493	9.8	20.7
2 21	11 2.70	+ 5 30.5	1.539	2.512	5.1	20.5
3 2	10 53.23	+ 6 32.1	1.538	2.529	0.3	20.1
3 12	10 43.89	+ 7 32.7	1.567	2.547	4.7	20.5
3 22	10 35.77	+ 8 25.3	1.622	2.564	9.2	20.8
4 1	10 29.72	+ 9 5.0	1.703	2.581	13.1	21.1
4 11	10 26.22	+ 9 29.4	1.803	2.597	16.2	21.3

269934 2000 QP_{227} 3 2.2 164°.88 1°.1/ 3.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.48	+ 1 7.1	2.416	3.250	10.7	21.9
2 11	11 8.63	+ 1 40.2	2.342	3.256	7.7	21.7
2 21	11 1.33	+ 2 24.8	2.294	3.261	4.3	21.5
3 2	10 53.20	+ 3 17.1	2.276	3.266	1.2	21.2
3 12	10 45.04	+ 4 12.3	2.289	3.270	3.3	21.4
3 22	10 37.59	+ 5 5.3	2.331	3.273	6.8	21.6
4 1	10 31.51	+ 5 51.8	2.401	3.276	9.9	21.8
4 11	10 27.25	+ 6 28.6	2.494	3.278	12.5	22.0

477968 2011 SE_{51} 3 2.2 222°.11 2°.0/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.19	− 2 8.1	2.917	3.734	9.6	21.5
2 11	11 6.92	− 1 55.5	2.825	3.726	7.1	21.3
2 21	11 0.42	− 1 32.0	2.759	3.716	4.4	21.1
3 2	10 53.18	− 0 59.3	2.723	3.707	2.2	21.0
3 12	10 45.84	− 0 20.8	2.718	3.697	3.1	21.0
3 22	10 38.99	+ 0 19.8	2.742	3.686	5.7	21.2
4 1	10 33.22	+ 0 58.8	2.795	3.676	8.4	21.3
4 11	10 28.94	+ 1 32.6	2.872	3.665	10.8	21.5

19624 1999 RJ_{10} 3 2.2 214°.47 0°.1/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.79	+ 5 47.4	3.123	3.967	8.3	19.5
2 11	11 6.57	+ 6 20.3	3.036	3.959	5.8	19.4
2 21	11 0.22	+ 6 59.6	2.978	3.950	3.0	19.2
3 2	10 53.19	+ 7 42.3	2.950	3.941	0.1	18.9
3 12	10 46.08	+ 8 24.5	2.953	3.931	3.0	19.1
3 22	10 39.46	+ 9 2.8	2.987	3.920	5.8	19.3
4 1	10 33.84	+ 9 34.5	3.048	3.910	8.4	19.5
4 11	10 29.62	+ 9 57.4	3.134	3.898	10.6	19.6

310416 1999 TT_{202} 3 2.2 46°.99 0°.9/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.16	+ 7 55.7	1.315	2.189	15.4	19.8
2 11	11 11.91	+ 8 17.3	1.267	2.203	10.7	19.6
2 21	11 3.23	+ 8 48.7	1.241	2.217	5.4	19.3
3 2	10 53.26	+ 9 23.0	1.242	2.232	1.0	19.1
3 12	10 43.47	+ 9 52.6	1.268	2.247	5.7	19.4
3 22	10 35.17	+10 11.8	1.320	2.263	10.7	19.8
4 1	10 29.37	+10 17.0	1.395	2.279	15.0	20.0
4 11	10 26.54	+10 7.2	1.489	2.295	18.5	20.3

497662 2006 RB_{79} 3 2.2 140°.34 0°.4/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.25	+ 6 17.1	2.734	3.584	9.1	22.3
2 11	11 6.93	+ 6 55.9	2.667	3.593	6.3	22.1
2 21	11 0.39	+ 7 41.3	2.628	3.602	3.2	21.9
3 2	10 53.20	+ 8 29.5	2.619	3.610	0.4	21.7
3 12	10 46.00	+ 9 16.1	2.641	3.618	3.3	21.9
3 22	10 39.43	+ 9 57.2	2.693	3.626	6.4	22.1
4 1	10 34.06	+10 29.8	2.772	3.634	9.1	22.3
4 11	10 30.25	+10 52.0	2.873	3.641	11.4	22.5

414428 2009 DE_{36} 3 2.2 280°.82 0°.3/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.73	+ 3 58.0	1.576	2.437	14.1	21.3
2 11	11 10.32	+ 4 29.5	1.490	2.419	10.1	21.0
2 21	11 2.55	+ 5 16.0	1.428	2.401	5.4	20.7
3 2	10 53.25	+ 6 12.5	1.393	2.383	0.4	20.3
3 12	10 43.61	+ 7 11.3	1.384	2.366	5.0	20.6
3 22	10 34.89	+ 8 4.5	1.403	2.347	10.0	20.8
4 1	10 28.20	+ 8 45.9	1.445	2.329	14.6	21.1
4 11	10 24.28	+ 9 11.4	1.507	2.311	18.4	21.3

238767 2005 JV_{85} 3 2.2 344°.22 3°.8/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 11.33	− 6 52.6	2.067	2.880	13.1	20.5
2 11	11 6.70	− 6 36.3	1.986	2.878	10.1	20.3
2 21	11 0.43	− 6 0.6	1.929	2.876	6.9	20.1
3 2	10 53.20	− 5 7.7	1.899	2.875	4.2	20.0
3 12	10 45.86	− 4 2.4	1.897	2.874	4.5	20.0
3 22	10 39.26	− 2 51.2	1.923	2.872	7.4	20.1
4 1	10 34.16	− 1 41.0	1.975	2.871	10.6	20.3
4 11	10 31.06	− 0 37.7	2.050	2.871	13.6	20.5

402964 2007 UP_{3} 3 2.2 151°.33 0°.9/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.91	+ 2 53.0	1.968	2.810	12.5	21.8
2 11	11 11.93	+ 3 12.5	1.901	2.819	8.9	21.5
2 21	11 3.12	+ 3 43.7	1.859	2.828	4.9	21.3
3 2	10 53.27	+ 4 22.2	1.847	2.837	1.0	21.0
3 12	10 43.43	+ 5 2.7	1.864	2.844	4.0	21.3
3 22	10 34.57	+ 5 40.0	1.910	2.851	8.0	21.5
4 1	10 27.50	+ 6 9.7	1.983	2.857	11.6	21.8
4 11	10 22.74	+ 6 28.8	2.077	2.863	14.7	22.0

362404 2010 PL 3 2.2 229°.92 0°.4/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.54	+ 5 23.4	1.875	2.730	12.4	21.6
2 11	11 10.55	+ 6 8.9	1.791	2.718	8.8	21.3
2 21	11 2.53	+ 7 6.5	1.733	2.707	4.5	21.1
3 2	10 53.26	+ 8 10.5	1.703	2.694	0.4	20.7
3 12	10 43.77	+ 9 13.8	1.703	2.681	4.7	21.0
3 22	10 35.12	+10 9.6	1.731	2.668	9.1	21.2
4 1	10 28.23	+10 52.9	1.784	2.654	13.0	21.4
4 11	10 23.74	+11 20.6	1.858	2.639	16.3	21.6

502385 2015 BW_{244} 3 2.3 327°.71 1°.7/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.78	+ 0 38.4	1.872	2.717	12.9	21.5
2 11	11 8.52	+ 0 55.1	1.796	2.714	9.4	21.3
2 21	11 1.43	+ 1 26.3	1.745	2.712	5.4	21.0
3 2	10 53.23	+ 2 8.3	1.721	2.709	1.9	20.8
3 12	10 44.93	+ 2 55.6	1.725	2.707	4.0	20.9
3 22	10 37.49	+ 3 42.2	1.757	2.705	8.1	21.2
4 1	10 31.75	+ 4 22.6	1.814	2.703	11.9	21.4
4 11	10 28.25	+ 4 52.7	1.893	2.701	15.1	21.6

447234 2005 UB_{129} 3 2.3 22°.38 5°.1/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.48	+16 16.3	1.274	2.159	15.0	21.1
2 11	11 13.12	+17 13.2	1.219	2.160	10.6	20.9
2 21	11 4.00	+18 11.2	1.188	2.161	6.4	20.6
3 2	10 53.30	+18 59.7	1.183	2.162	5.4	20.6
3 12	10 42.64	+19 29.3	1.203	2.164	8.9	20.8
3 22	10 33.53	+19 35.3	1.247	2.166	13.4	21.0
4 1	10 27.13	+19 17.2	1.311	2.168	17.6	21.3
4 11	10 24.01	+18 37.6	1.393	2.170	21.0	21.5

381533 2008 SS_{286} 3 2.3 187°.88 4°.3/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.83	− 9 42.8	2.599	3.381	11.6	21.3
2 11	11 8.19	− 9 39.2	2.512	3.380	9.2	21.2
2 21	11 1.14	− 9 18.6	2.448	3.379	6.7	21.0
3 2	10 53.24	− 8 42.1	2.413	3.377	4.6	20.9
3 12	10 45.24	− 7 52.9	2.407	3.375	4.6	20.8
3 22	10 37.85	− 6 55.7	2.431	3.372	6.6	21.0
4 1	10 31.72	− 5 55.8	2.483	3.368	9.2	21.1
4 11	10 27.31	− 4 58.4	2.558	3.364	11.6	21.3

363765 2005 EP_{43} 3 2.3 304°.79 0°.4/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.52	+ 4 40.1	1.447	2.316	14.5	20.6
2 11	11 8.85	+ 5 33.3	1.370	2.304	10.3	20.4
2 21	11 1.81	+ 6 43.3	1.316	2.291	5.4	20.0
3 2	10 53.26	+ 8 3.0	1.288	2.279	0.4	19.6
3 12	10 44.45	+ 9 22.6	1.287	2.267	5.5	20.0
3 22	10 36.67	+10 32.8	1.312	2.255	10.7	20.2
4 1	10 31.02	+11 26.3	1.359	2.244	15.3	20.5
4 11	10 28.20	+11 59.5	1.426	2.233	19.2	20.7

5921 1992 UL 3 2.3 273°.61 0°.7/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.34	+ 3 56.7	1.387	2.250	15.5	17.0
2 11	11 12.39	+ 4 13.5	1.306	2.236	11.2	16.7
2 21	11 3.74	+ 4 45.7	1.248	2.221	6.1	16.4
3 2	10 53.31	+ 5 28.5	1.216	2.207	0.8	16.0
3 12	10 42.52	+ 6 14.1	1.210	2.192	5.4	16.3
3 22	10 32.84	+ 6 54.9	1.230	2.177	10.9	16.5
4 1	10 25.54	+ 7 24.3	1.273	2.162	15.8	16.8
4 11	10 21.39	+ 7 38.4	1.335	2.147	19.9	17.0

245891 2006 QA_{60} 3 2.3 147°.93 2°.0/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 10.91	− 3 53.4	2.927	3.738	9.7	21.3
2 11	11 5.97	− 3 10.8	2.851	3.748	7.2	21.2
2 21	10 59.91	− 2 15.3	2.801	3.757	4.5	21.0
3 2	10 53.22	− 1 9.9	2.782	3.765	2.2	20.9
3 12	10 46.51	+ 0 1.0	2.793	3.773	2.9	20.9
3 22	10 40.36	+ 1 12.6	2.835	3.781	5.5	21.1
4 1	10 35.28	+ 2 20.3	2.906	3.788	8.1	21.3
4 11	10 31.65	+ 3 20.4	3.002	3.794	10.4	21.4

87380 2000 QJ_{60} 3 2.3 52°.73 4°.0/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.67	+17 17.5	1.643	2.515	13.0	18.0
2 11	11 14.09	+17 34.3	1.589	2.522	9.1	17.8
2 21	11 4.29	+17 48.7	1.559	2.530	5.4	17.6
3 2	10 53.33	+17 54.3	1.558	2.539	4.2	17.6
3 12	10 42.55	+17 46.1	1.585	2.547	7.1	17.8
3 22	10 33.14	+17 22.1	1.638	2.555	10.9	18.0
4 1	10 26.03	+16 42.8	1.715	2.564	14.4	18.2
4 11	10 21.70	+15 50.1	1.812	2.573	17.4	18.5

202543 2006 DB_{94} 3 2.3 199°.68 0°.6/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.32	+ 7 5.0	2.065	2.924	11.3	20.8
2 11	11 8.76	+ 7 39.7	1.993	2.923	7.9	20.6
2 21	11 1.51	+ 8 22.6	1.947	2.922	4.0	20.3
3 2	10 53.28	+ 9 8.9	1.930	2.921	0.7	20.1
3 12	10 44.99	+ 9 52.8	1.942	2.920	4.3	20.4
3 22	10 37.52	+10 29.4	1.983	2.919	8.2	20.6
4 1	10 31.64	+10 55.0	2.049	2.917	11.6	20.8
4 11	10 27.84	+11 7.6	2.136	2.916	14.5	21.0

332072 2005 SZ_{213} 3 2.3 127°.00 6°.7/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.80	−15 17.3	2.005	2.769	15.2	20.7
2 11	11 8.48	−15 17.9	1.928	2.777	12.5	20.5
2 21	11 1.40	−14 52.7	1.874	2.784	9.7	20.3
3 2	10 53.28	−14 2.2	1.844	2.791	7.4	20.2
3 12	10 45.09	−12 50.4	1.841	2.798	6.8	20.2
3 22	10 37.75	−11 24.2	1.866	2.804	8.4	20.3
4 1	10 32.06	− 9 52.0	1.917	2.810	11.1	20.4
4 11	10 28.55	− 8 22.2	1.991	2.816	13.8	20.6

16621 1993 FA_{84} 3 2.3 180°.39 4°.0/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.36	+18 43.3	2.345	3.213	9.8	19.0
2 11	11 10.04	+19 38.7	2.283	3.214	7.0	18.8
2 21	11 2.11	+20 32.4	2.249	3.214	4.6	18.7
3 2	10 53.30	+21 18.4	2.244	3.214	4.3	18.7
3 12	10 44.48	+21 51.5	2.269	3.214	6.5	18.8
3 22	10 36.50	+22 8.6	2.321	3.213	9.3	19.0
4 1	10 30.05	+22 8.8	2.398	3.212	12.0	19.2
4 11	10 25.62	+21 52.9	2.495	3.210	14.3	19.3

435979 2009 DG_{113} 3 2.3 8°.27 0°.3/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.48	+ 5 40.3	1.817	2.682	12.3	21.2
2 11	11 6.92	+ 6 19.3	1.751	2.683	8.6	20.9
2 21	11 0.60	+ 7 9.1	1.710	2.685	4.4	20.7
3 2	10 53.26	+ 8 4.1	1.697	2.688	0.3	20.4
3 12	10 45.89	+ 8 57.7	1.711	2.691	4.4	20.7
3 22	10 39.42	+ 9 43.8	1.753	2.694	8.6	21.0
4 1	10 34.64	+10 17.9	1.819	2.699	12.3	21.2
4 11	10 32.04	+10 37.5	1.906	2.704	15.4	21.4

437124 2012 UL_{142} 3 2.3 208°.92 2°.8/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.04	+14 15.7	2.453	3.320	9.4	21.7
2 11	11 7.70	+15 12.4	2.383	3.317	6.5	21.5
2 21	11 0.90	+16 11.5	2.341	3.313	3.7	21.3
3 2	10 53.27	+17 7.3	2.329	3.309	3.0	21.2
3 12	10 45.59	+17 54.5	2.346	3.305	5.3	21.4
3 22	10 38.59	+18 29.2	2.392	3.301	8.3	21.6
4 1	10 32.94	+18 49.1	2.463	3.296	11.1	21.7
4 11	10 29.10	+18 54.0	2.555	3.291	13.5	21.9

14510 1996 ES_{2} 3 2.3 159°.66 0°.1/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.88	+ 5 31.2	1.824	2.675	12.9	17.9
2 11	11 12.76	+ 5 59.4	1.757	2.682	9.1	17.7
2 21	11 3.62	+ 6 37.7	1.716	2.689	4.7	17.4
3 2	10 53.35	+ 7 21.1	1.703	2.695	0.1	17.1
3 12	10 43.06	+ 8 3.3	1.721	2.700	4.5	17.4
3 22	10 33.84	+ 8 38.8	1.766	2.704	8.9	17.7
4 1	10 26.58	+ 9 3.6	1.838	2.708	12.7	17.9
4 11	10 21.81	+ 9 15.4	1.930	2.710	15.8	18.2

34064 2000 OK_{51} 3 2.3 224°.88 3°.5/ 6.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.86	− 8 50.6	3.051	3.833	10.1	19.6
2 11	11 6.72	− 8 40.2	2.951	3.821	7.9	19.4
2 21	11 0.36	− 8 15.4	2.876	3.809	5.7	19.3
3 2	10 53.27	− 7 37.3	2.829	3.796	3.8	19.1
3 12	10 46.04	− 6 48.7	2.813	3.782	3.8	19.1
3 22	10 39.28	− 5 53.4	2.827	3.768	5.7	19.2
4 1	10 33.52	− 4 56.0	2.869	3.754	8.1	19.3
4 11	10 29.21	− 4 0.8	2.937	3.739	10.4	19.5

55123 2001 QL_{170} 3 2.3 91°.63 7°.7/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.61	−20 37.4	2.461	3.175	14.0	19.3
2 11	11 8.13	−21 6.7	2.388	3.189	12.0	19.1
2 21	11 1.14	−21 12.8	2.335	3.202	10.0	19.0
3 2	10 53.29	−20 55.0	2.308	3.216	8.4	18.9
3 12	10 45.39	−20 15.1	2.306	3.229	7.7	18.9
3 22	10 38.21	−19 17.6	2.331	3.243	8.4	19.0
4 1	10 32.43	−18 8.6	2.383	3.256	10.0	19.1
4 11	10 28.53	−16 55.3	2.457	3.269	11.9	19.2

310975 2003 UA_{240} 3 2.3 91°.93 0°.2/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.98	+ 4 47.5	1.605	2.465	13.9	21.4
2 11	11 10.79	+ 5 36.1	1.554	2.484	9.7	21.2
2 21	11 2.59	+ 6 37.2	1.528	2.502	5.0	20.9
3 2	10 53.33	+ 7 43.6	1.529	2.520	0.2	20.6
3 12	10 44.19	+ 8 47.4	1.559	2.538	4.8	21.0
3 22	10 36.28	+ 9 41.6	1.616	2.556	9.3	21.3
4 1	10 30.43	+10 21.5	1.697	2.573	13.2	21.6
4 11	10 27.12	+10 44.9	1.798	2.590	16.4	21.8

378957 2008 UN_{189} 3 2.3 110°.17 0°.3/ 2.6 17

2 1	11 13.61	+ 3 39.2	2.045	2.896	11.7	21.2
2 11	11 8.23	+ 4 17.0	1.979	2.903	8.3	21.0
2 21	11 1.22	+ 5 6.0	1.938	2.910	4.4	20.7
3 2	10 53.30	+ 6 1.5	1.925	2.916	0.4	20.4
3 12	10 45.36	+ 6 57.5	1.942	2.923	3.9	20.7
3 22	10 38.26	+ 7 48.2	1.987	2.929	7.8	21.0
4 1	10 32.74	+ 8 29.3	2.058	2.935	11.2	21.2
4 11	10 29.26	+ 8 57.7	2.151	2.941	14.1	21.4

27194 Jonathanli 3 2.3 78°.08 0°.4/ 2.6 18

2 1	11 16.18	+ 3 49.6	1.667	2.524	13.6	18.4
2 11	11 10.22	+ 4 20.7	1.612	2.539	9.6	18.2
2 21	11 2.30	+ 5 4.5	1.581	2.554	5.1	18.0
3 2	10 53.33	+ 5 55.2	1.578	2.569	0.5	17.6
3 12	10 44.45	+ 6 46.1	1.603	2.584	4.5	18.0
3 22	10 36.71	+ 7 30.7	1.655	2.599	8.8	18.3
4 1	10 30.94	+ 8 4.3	1.732	2.614	12.7	18.5
4 11	10 27.62	+ 8 24.2	1.830	2.629	15.9	18.8

488776 2004 TA_{277} 3 2.3 91°.28 2°.2/29.6 18

2 1	11 19.26	+ 9 57.5	1.504	2.374	14.0	21.5
2 11	11 12.46	+10 50.2	1.459	2.394	9.6	21.2
2 21	11 3.47	+11 49.8	1.438	2.414	4.9	21.0
3 2	10 53.37	+12 48.0	1.446	2.434	2.3	20.9
3 12	10 43.47	+13 36.8	1.481	2.453	6.1	21.2
3 22	10 34.98	+14 10.5	1.542	2.472	10.5	21.5
4 1	10 28.78	+14 26.6	1.627	2.491	14.3	21.7
4 11	10 25.33	+14 24.8	1.731	2.509	17.4	22.0

362172 2009 FD_{15} 3 2.3 286°.98 0°.4/ 2.6 17

2 1	11 14.81	+ 3 10.6	1.524	2.385	14.4	21.3
2 11	11 9.78	+ 3 51.2	1.437	2.365	10.4	21.0
2 21	11 2.36	+ 4 49.2	1.372	2.346	5.6	20.7
3 2	10 53.35	+ 5 59.1	1.335	2.326	0.5	20.3
3 12	10 43.95	+ 7 12.5	1.324	2.306	5.1	20.5
3 22	10 35.46	+ 8 20.3	1.340	2.286	10.3	20.8
4 1	10 29.03	+ 9 15.2	1.379	2.266	15.0	21.0
4 11	10 25.41	+ 9 52.2	1.438	2.246	19.0	21.2

229544 2005 YP_{118} 3 2.3 251°.38 2°.7/28.5 18

2 1	11 14.24	+12 27.2	2.012	2.882	11.0	20.7
2 11	11 8.84	+13 28.6	1.937	2.873	7.6	20.5
2 21	11 1.63	+14 35.2	1.889	2.863	4.2	20.2
3 2	10 53.33	+15 40.1	1.869	2.853	2.9	20.1
3 12	10 44.90	+16 36.4	1.879	2.843	5.9	20.3
3 22	10 37.28	+17 18.7	1.916	2.833	9.6	20.5
4 1	10 31.29	+17 43.9	1.977	2.823	12.9	20.7
4 11	10 27.49	+17 51.3	2.059	2.812	15.8	20.9

127173 2002 GT_{155} 3 2.3 44°.01 2°.2/29.2 18

2 1	11 13.21	+ 9 47.9	1.731	2.604	12.3	19.6
2 11	11 8.20	+10 54.6	1.672	2.609	8.5	19.4
2 21	11 1.29	+12 9.0	1.638	2.614	4.4	19.1
3 2	10 53.32	+13 23.5	1.633	2.620	2.3	19.0
3 12	10 45.34	+14 29.9	1.655	2.626	5.8	19.3
3 22	10 38.36	+15 22.0	1.704	2.632	9.8	19.5
4 1	10 33.22	+15 55.9	1.777	2.638	13.5	19.7
4 11	10 30.42	+16 10.7	1.869	2.644	16.4	20.0

4906 Seneferu 3 2.3 213°.25 0°.7/ 1.7 18

2 1	11 18.53	+ 5 59.7	1.761	2.617	13.0	19.1
2 11	11 12.06	+ 6 49.6	1.681	2.609	9.2	18.8
2 21	11 3.40	+ 7 51.7	1.627	2.601	4.7	18.5
3 2	10 53.38	+ 8 59.7	1.601	2.592	0.7	18.2
3 12	10 43.15	+10 5.6	1.604	2.582	5.1	18.5
3 22	10 33.86	+11 2.3	1.636	2.571	9.7	18.8
4 1	10 26.52	+11 44.7	1.692	2.559	13.7	19.0
4 11	10 21.76	+12 10.1	1.769	2.546	17.1	19.2

251623 2009 VE_{41} 3 2.3 87°.95 3°.0/28.4 18

2 1	11 14.31	+12 42.7	1.834	2.708	11.7	20.2
2 11	11 8.92	+13 47.6	1.772	2.709	8.1	20.0
2 21	11 1.66	+14 57.2	1.737	2.711	4.4	19.8
3 2	10 53.33	+16 3.9	1.729	2.713	3.2	19.7
3 12	10 44.97	+17 0.2	1.750	2.715	6.3	19.9
3 22	10 37.58	+17 40.7	1.798	2.717	10.0	20.1
4 1	10 31.99	+18 2.6	1.870	2.718	13.4	20.3
4 11	10 28.70	+18 5.8	1.961	2.720	16.3	20.5

44304 1998 QD_{102} 3 2.3 12°.92 0°.9/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 9.97	+ 4 34.0	1.597	2.466	13.4	17.4
2 11	11 6.07	+ 5 59.6	1.534	2.469	9.3	17.1
2 21	11 0.24	+ 7 40.6	1.496	2.472	4.7	16.8
3 2	10 53.29	+ 9 28.6	1.486	2.476	0.9	16.6
3 12	10 46.30	+11 12.9	1.503	2.481	5.3	16.9
3 22	10 40.28	+12 44.3	1.547	2.486	9.8	17.2
4 1	10 36.10	+13 56.3	1.615	2.492	13.7	17.4
4 11	10 34.29	+14 45.7	1.703	2.498	17.0	17.6

96302 1996 TL_{39} 3 2.3 100°.56 2°.0/29.6 18

2 1	11 18.94	+ 9 52.6	1.630	2.497	13.3	19.5
2 11	11 12.13	+10 45.8	1.583	2.517	9.1	19.3
2 21	11 3.28	+11 45.5	1.562	2.537	4.7	19.1
3 2	10 53.38	+12 44.1	1.568	2.556	2.1	19.0
3 12	10 43.66	+13 33.9	1.603	2.575	5.8	19.2
3 22	10 35.23	+14 9.6	1.665	2.594	10.0	19.5
4 1	10 28.93	+14 28.4	1.751	2.611	13.7	19.8
4 11	10 25.24	+14 30.2	1.857	2.629	16.6	20.0

90938 1997 TE_{22} 3 2.3 89°.05 0°.7/ 2.8 18

2 1	11 19.22	+ 2 48.8	1.501	2.355	15.0	20.1
2 11	11 12.39	+ 3 26.0	1.455	2.380	10.6	19.9
2 21	11 3.43	+ 4 17.8	1.432	2.404	5.7	19.6
3 2	10 53.38	+ 5 17.7	1.437	2.428	0.8	19.3
3 12	10 43.55	+ 6 17.6	1.470	2.451	4.7	19.7
3 22	10 35.10	+ 7 10.3	1.530	2.474	9.4	20.0
4 1	10 28.92	+ 7 50.4	1.614	2.497	13.4	20.3
4 11	10 25.45	+ 8 15.2	1.719	2.519	16.7	20.6

506248 2016 OJ_{2} 3 2.3 238°.93 4°.6/ 7.9 17

2 1	11 11.27	−11 20.3	2.667	3.442	11.5	21.9
2 11	11 6.45	−11 15.8	2.573	3.434	9.3	21.7
2 21	11 0.28	−10 53.7	2.502	3.426	6.9	21.6
3 2	10 53.30	−10 14.8	2.459	3.418	5.0	21.4
3 12	10 46.18	− 9 22.1	2.445	3.409	4.8	21.4
3 22	10 39.61	− 8 20.0	2.459	3.400	6.5	21.5
4 1	10 34.20	− 7 14.0	2.502	3.391	9.0	21.6
4 11	10 30.42	− 6 9.6	2.568	3.382	11.4	21.8

94070 2000 YG_{36} 3 2.3 104°.83 0°.2/ 2.1 18

2 1	11 14.08	+ 5 4.4	1.952	2.808	12.0	19.5
2 11	11 8.63	+ 5 46.3	1.887	2.815	8.4	19.3
2 21	11 1.46	+ 6 38.7	1.848	2.822	4.3	19.1
3 2	10 53.33	+ 7 36.3	1.838	2.829	0.2	18.7
3 12	10 45.20	+ 8 32.7	1.857	2.836	4.2	19.1
3 22	10 37.96	+ 9 22.1	1.903	2.843	8.2	19.3
4 1	10 32.38	+10 0.0	1.976	2.849	11.7	19.6
4 11	10 28.95	+10 24.2	2.069	2.856	14.7	19.8

406052 2006 UA_{25} 3 2.3 59°.48 0°.8/ 1.7 18

2 1	11 17.82	+ 7 6.1	1.454	2.323	14.5	21.4
2 11	11 11.47	+ 7 38.1	1.411	2.345	10.1	21.1
2 21	11 2.96	+ 8 20.0	1.391	2.367	5.1	20.9
3 2	10 53.37	+ 9 4.9	1.398	2.389	0.8	20.7
3 12	10 44.01	+ 9 45.3	1.432	2.411	5.3	21.0
3 22	10 36.05	+10 15.5	1.493	2.433	9.9	21.3
4 1	10 30.36	+10 31.8	1.577	2.456	13.9	21.6
4 11	10 27.38	+10 33.0	1.681	2.478	17.1	21.9

130504 2000 QL_{140} 3 2.3 123°.10 2°.0/29.8 18

2 1	11 20.24	+10 38.8	1.603	2.470	13.5	19.3
2 11	11 13.18	+11 11.0	1.546	2.480	9.3	19.0
2 21	11 3.90	+11 49.0	1.514	2.489	4.8	18.8
3 2	10 53.41	+12 26.0	1.509	2.498	2.1	18.6
3 12	10 43.00	+12 55.2	1.533	2.506	5.9	18.9
3 22	10 33.86	+13 11.9	1.583	2.514	10.2	19.2
4 1	10 26.95	+13 13.7	1.658	2.522	14.1	19.4
4 11	10 22.79	+13 0.3	1.752	2.529	17.3	19.6

299292 2005 PZ_{18} 3 2.3 204°.18 1°.9/28.8 18

2 1	11 11.39	+11 7.6	2.544	3.409	9.2	20.6
2 11	11 6.52	+12 9.6	2.473	3.407	6.3	20.4
2 21	11 0.31	+13 16.4	2.430	3.404	3.3	20.2
3 2	10 53.32	+14 22.6	2.416	3.402	2.1	20.1
3 12	10 46.26	+15 22.8	2.433	3.399	4.6	20.3
3 22	10 39.84	+16 12.4	2.479	3.396	7.7	20.5
4 1	10 34.66	+16 48.7	2.550	3.393	10.5	20.7
4 11	10 31.16	+17 10.4	2.643	3.390	12.8	20.8

49952 1999 XH_{212} 3 2.3 184°.72 1°.4/ 1.0 18

2 1	11 18.88	+ 7 47.3	1.806	2.664	12.6	19.9
2 11	11 12.18	+ 8 48.0	1.735	2.665	8.8	19.6
2 21	11 3.41	+ 9 58.7	1.690	2.665	4.5	19.4
3 2	10 53.41	+11 12.2	1.675	2.664	1.5	19.1
3 12	10 43.30	+12 20.4	1.689	2.662	5.4	19.4
3 22	10 34.20	+13 16.7	1.731	2.659	9.7	19.6
4 1	10 27.04	+13 56.6	1.798	2.656	13.5	19.9
4 11	10 22.38	+14 18.6	1.885	2.651	16.6	20.1

68624 2002 BS_8 3 2.3 320°.68 0°.0/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.97	+ 6 8.4	1.266	2.140	15.9	18.8
2 11	11 11.60	+ 6 16.6	1.190	2.126	11.3	18.5
2 21	11 3.42	+ 6 37.7	1.137	2.112	6.0	18.2
3 2	10 53.42	+ 7 6.3	1.108	2.099	0.2	17.7
3 12	10 43.10	+ 7 35.0	1.105	2.086	5.8	18.1
3 22	10 34.00	+ 7 56.7	1.126	2.075	11.4	18.3
4 1	10 27.42	+ 8 6.0	1.169	2.063	16.5	18.6
4 11	10 24.14	+ 7 59.8	1.230	2.053	20.7	18.8

428439 2007 TL_{275} 3 2.3 163°.54 4°.1/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.44	+19 37.1	2.456	3.324	9.4	21.1
2 11	11 9.35	+20 28.8	2.398	3.328	6.7	20.9
2 21	11 1.77	+21 18.0	2.367	3.331	4.5	20.8
3 2	10 53.39	+21 59.2	2.366	3.334	4.3	20.8
3 12	10 45.01	+22 27.5	2.394	3.336	6.4	20.9
3 22	10 37.45	+22 40.4	2.449	3.338	9.0	21.1
4 1	10 31.34	+22 37.1	2.529	3.340	11.5	21.2
4 11	10 27.14	+22 18.5	2.630	3.342	13.7	21.4

170516 2003 WF_{58} 3 2.3 31°.25 6°.9/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.93	+20 10.2	1.166	2.059	15.5	19.3
2 11	11 12.04	+21 14.4	1.131	2.071	11.2	19.0
2 21	11 3.42	+22 12.8	1.117	2.085	7.7	18.9
3 2	10 53.43	+22 54.0	1.128	2.100	7.3	18.9
3 12	10 43.74	+23 9.8	1.163	2.115	10.4	19.1
3 22	10 35.85	+22 57.7	1.221	2.132	14.4	19.4
4 1	10 30.77	+22 19.7	1.298	2.149	18.1	19.7
4 11	10 28.91	+21 20.3	1.392	2.167	21.1	19.9

66575 1999 RX_{152} 3 2.3 123°.67 1°.4/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.52	− 0 50.9	2.351	3.180	11.2	20.0
2 11	11 7.99	− 0 4.4	2.287	3.197	8.1	19.8
2 21	11 1.06	+ 0 55.3	2.248	3.213	4.7	19.6
3 2	10 53.37	+ 2 4.2	2.240	3.228	1.6	19.4
3 12	10 45.71	+ 3 16.4	2.261	3.243	3.3	19.6
3 22	10 38.81	+ 4 26.3	2.313	3.257	6.7	19.8
4 1	10 33.29	+ 5 28.7	2.392	3.271	9.8	20.0
4 11	10 29.58	+ 6 20.2	2.494	3.284	12.4	20.2

369357 2009 TC_{35} 3 2.3 194°.26 1°.3/ 3.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.60	+ 0 1.5	2.653	3.478	10.1	23.1
2 11	11 8.72	+ 0 34.7	2.567	3.475	7.4	22.9
2 21	11 1.46	+ 1 19.5	2.508	3.472	4.3	22.7
3 2	10 53.39	+ 2 12.7	2.479	3.467	1.4	22.5
3 12	10 45.20	+ 3 9.8	2.481	3.462	3.1	22.6
3 22	10 37.62	+ 4 6.1	2.514	3.456	6.3	22.8
4 1	10 31.27	+ 4 57.1	2.575	3.449	9.3	23.0
4 11	10 26.61	+ 5 39.5	2.660	3.441	11.9	23.1

461993 2006 WA_{94} 3 2.3 182°.06 1°.6/29.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.94	+ 9 13.2	2.009	2.871	11.4	22.2
2 11	11 9.97	+10 7.3	1.940	2.872	7.9	22.0
2 21	11 2.20	+11 8.8	1.897	2.872	4.0	21.7
3 2	10 53.40	+12 11.3	1.883	2.872	1.7	21.6
3 12	10 44.54	+13 8.2	1.899	2.871	5.1	21.8
3 22	10 36.55	+13 53.8	1.943	2.870	8.9	22.0
4 1	10 30.24	+14 24.9	2.012	2.868	12.3	22.2
4 11	10 26.13	+14 39.9	2.103	2.866	15.2	22.4

498745 2008 TU_{163} 3 2.3 136°.63 0°.4/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.96	+ 3 34.2	2.177	3.024	11.2	22.5
2 11	11 8.44	+ 4 5.7	2.107	3.030	8.0	22.3
2 21	11 1.35	+ 4 47.5	2.064	3.035	4.3	22.1
3 2	10 53.38	+ 5 35.6	2.049	3.040	0.5	21.8
3 12	10 45.38	+ 6 24.6	2.065	3.045	3.7	22.0
3 22	10 38.18	+ 7 9.4	2.108	3.050	7.4	22.3
4 1	10 32.47	+ 7 45.9	2.179	3.054	10.7	22.5
4 11	10 28.71	+ 8 11.2	2.271	3.059	13.5	22.7

433013 2012 RT_{19} 3 2.3 195°.09 1°.8/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.70	+12 0.8	2.407	3.268	9.8	21.5
2 11	11 9.56	+12 28.5	2.335	3.267	6.8	21.3
2 21	11 1.91	+12 59.1	2.291	3.265	3.6	21.1
3 2	10 53.40	+13 28.3	2.276	3.263	1.9	21.0
3 12	10 44.86	+13 51.6	2.292	3.261	4.6	21.2
3 22	10 37.06	+14 5.7	2.336	3.258	7.8	21.4
4 1	10 30.70	+14 8.6	2.406	3.256	10.8	21.5
4 11	10 26.24	+13 59.8	2.498	3.253	13.3	21.7

165193 2000 QT_{243} 3 2.3 189°.90 1°.1/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.52	+ 2 8.0	1.657	2.507	14.1	21.1
2 11	11 11.38	+ 2 33.4	1.584	2.506	10.1	20.8
2 21	11 3.06	+ 3 13.9	1.535	2.505	5.6	20.6
3 2	10 53.44	+ 4 4.8	1.514	2.504	1.2	20.3
3 12	10 43.69	+ 4 59.1	1.521	2.503	4.5	20.5
3 22	10 34.98	+ 5 49.8	1.555	2.501	9.2	20.8
4 1	10 28.29	+ 6 31.1	1.614	2.498	13.3	21.0
4 11	10 24.22	+ 6 59.0	1.694	2.496	16.8	21.2

241471 2009 AG_{35} 3 2.3 243°.53 3°.6/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.88	+13 36.5	1.642	2.516	12.8	20.5
2 11	11 11.78	+14 42.3	1.569	2.505	9.0	20.3
2 21	11 3.34	+15 53.5	1.520	2.493	5.1	20.0
3 2	10 53.44	+17 1.4	1.499	2.481	3.9	19.9
3 12	10 43.34	+17 57.0	1.506	2.469	7.3	20.1
3 22	10 34.27	+18 34.1	1.539	2.456	11.5	20.3
4 1	10 27.30	+18 49.8	1.595	2.442	15.4	20.5
4 11	10 23.09	+18 44.1	1.670	2.428	18.7	20.7

44455 Artdula 3 2.3 99°.19 3°.8/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.73	− 4 2.9	1.812	2.631	14.4	18.8
2 11	11 12.62	− 4 19.5	1.752	2.649	10.9	18.6
2 21	11 3.56	− 4 18.5	1.715	2.668	7.1	18.4
3 2	10 53.45	− 4 2.0	1.707	2.686	4.1	18.3
3 12	10 43.40	− 3 34.0	1.727	2.704	4.9	18.4
3 22	10 34.47	− 3 0.3	1.775	2.721	8.2	18.6
4 1	10 27.50	− 2 26.5	1.849	2.738	11.7	18.8
4 11	10 22.98	− 1 57.8	1.945	2.754	14.7	19.1

431427 2007 LS_{17} 3 2.3 259°.84 2°.0/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.13	+ 8 45.7	2.020	2.887	11.1	21.6
2 11	11 7.40	+10 13.0	1.941	2.876	7.7	21.4
2 21	11 0.93	+11 50.6	1.890	2.865	3.9	21.1
3 2	10 53.38	+13 30.8	1.867	2.854	2.2	21.0
3 12	10 45.66	+15 5.1	1.875	2.843	5.5	21.2
3 22	10 38.67	+16 26.2	1.910	2.832	9.3	21.4
4 1	10 33.22	+17 29.1	1.970	2.821	12.8	21.6
4 11	10 29.88	+18 11.7	2.052	2.809	15.7	21.8

333394 2002 TG_{26} 3 2.3 107°.95 1°.8/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.24	− 2 2.7	2.362	3.189	11.2	21.3
2 11	11 7.11	− 1 22.8	2.296	3.203	8.2	21.1
2 21	11 0.61	− 0 28.8	2.256	3.217	4.9	20.9
3 2	10 53.37	+ 0 35.3	2.245	3.231	2.0	20.7
3 12	10 46.14	+ 1 44.3	2.264	3.245	3.3	20.9
3 22	10 39.65	+ 2 52.4	2.312	3.258	6.5	21.1
4 1	10 34.50	+ 3 54.4	2.388	3.272	9.6	21.3
4 11	10 31.10	+ 4 46.6	2.487	3.284	12.2	21.5

130631 2000 SD_{57} 3 2.3 280°.67 2°.0/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.21	− 1 8.1	1.479	2.329	15.4	19.7
2 11	11 9.34	− 0 29.1	1.400	2.319	11.4	19.5
2 21	11 2.13	+ 0 32.2	1.342	2.310	6.7	19.2
3 2	10 53.42	+ 1 50.8	1.311	2.300	2.3	18.9
3 12	10 44.45	+ 3 18.2	1.307	2.290	4.8	19.0
3 22	10 36.47	+ 4 44.3	1.329	2.280	9.8	19.2
4 1	10 30.60	+ 6 0.0	1.374	2.270	14.4	19.5
4 11	10 27.51	+ 6 58.9	1.440	2.260	18.4	19.7

190085 2004 TQ_{110} 3 2.3 191°.79 1°.1/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.84	− 0 1.2	2.466	3.298	10.6	21.0
2 11	11 7.58	+ 0 51.0	2.384	3.296	7.7	20.8
2 21	11 0.90	+ 1 56.4	2.328	3.294	4.4	20.6
3 2	10 53.39	+ 3 11.0	2.302	3.291	1.2	20.4
3 12	10 45.78	+ 4 29.1	2.307	3.288	3.3	20.5
3 22	10 38.81	+ 5 44.8	2.342	3.284	6.7	20.7
4 1	10 33.11	+ 6 52.9	2.404	3.279	9.8	20.9
4 11	10 29.16	+ 7 49.6	2.490	3.274	12.5	21.1

155095 2005 SJ_{193} 3 2.3 88°.67 0°.7/ 2.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.23	+ 2 59.1	1.372	2.231	15.8	20.4
2 11	11 12.64	+ 3 32.9	1.323	2.250	11.2	20.2
2 21	11 3.68	+ 4 22.6	1.297	2.269	6.0	19.9
3 2	10 53.47	+ 5 21.4	1.296	2.287	0.8	19.6
3 12	10 43.42	+ 6 20.7	1.324	2.305	5.0	19.9
3 22	10 34.83	+ 7 12.4	1.377	2.323	10.0	20.3
4 1	10 28.67	+ 7 51.0	1.454	2.341	14.4	20.6
4 11	10 25.42	+ 8 13.3	1.551	2.358	17.9	20.8

290690 2005 UK_{365} 3 2.3 335°.08 1°.4/ 1.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.32	+ 8 8.8	1.754	2.622	12.5	21.3
2 11	11 9.03	+ 9 0.3	1.687	2.621	8.7	21.0
2 21	11 1.79	+10 1.2	1.645	2.621	4.4	20.8
3 2	10 53.42	+11 4.8	1.630	2.620	1.5	20.5
3 12	10 44.97	+12 3.4	1.644	2.619	5.3	20.8
3 22	10 37.49	+12 50.8	1.685	2.619	9.5	21.0
4 1	10 31.84	+13 22.8	1.750	2.618	13.3	21.3
4 11	10 28.57	+13 37.6	1.835	2.618	16.4	21.5

68740 2002 EY_{38} 3 2.3 225°.70 0°.7/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.56	+ 6 2.8	1.832	2.690	12.5	20.7
2 11	11 10.65	+ 6 55.1	1.751	2.680	8.8	20.5
2 21	11 2.69	+ 7 59.4	1.696	2.670	4.5	20.2
3 2	10 53.45	+ 9 9.4	1.669	2.659	0.7	19.9
3 12	10 44.01	+10 17.6	1.671	2.648	4.9	20.1
3 22	10 35.44	+11 16.8	1.701	2.636	9.3	20.4
4 1	10 28.67	+12 1.8	1.756	2.624	13.3	20.6
4 11	10 24.33	+12 30.1	1.832	2.611	16.6	20.8

336665 2009 YY_{13} 3 2.3 32°.21 4°.5/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 14.67	+16 52.4	1.703	2.584	12.1	20.1
2 11	11 9.26	+17 56.7	1.652	2.590	8.5	19.9
2 21	11 1.88	+19 0.9	1.626	2.596	5.3	19.8
3 2	10 53.43	+19 56.8	1.627	2.603	4.8	19.7
3 12	10 45.02	+20 37.2	1.656	2.610	7.6	19.9
3 22	10 37.74	+20 57.9	1.710	2.618	11.1	20.1
4 1	10 32.42	+20 57.8	1.787	2.626	14.4	20.4
4 11	10 29.54	+20 38.1	1.882	2.634	17.1	20.6

20387 1998 KP_{54} 3 2.3 188°.94 5°.2/24.9 18

2 1	11 15.04	+21 56.5	2.331	3.201	9.7	18.5
2 11	11 9.23	+23 19.0	2.273	3.200	7.2	18.3
2 21	11 1.79	+24 38.1	2.243	3.199	5.4	18.2
3 2	10 53.43	+25 46.6	2.242	3.198	5.7	18.2
3 12	10 45.01	+26 38.2	2.270	3.195	7.7	18.4
3 22	10 37.40	+27 9.9	2.325	3.193	10.3	18.5
4 1	10 31.32	+27 20.7	2.403	3.190	12.8	18.7
4 11	10 27.27	+27 12.1	2.500	3.187	14.9	18.8

221070 2005 RE_{32} 3 2.3 155°.41 3°.1/27.4 18

2 1	11 14.98	+14 34.5	2.449	3.314	9.5	21.2
2 11	11 9.04	+15 55.5	2.391	3.323	6.6	21.0
2 21	11 1.64	+17 18.5	2.362	3.332	3.9	20.8
3 2	10 53.42	+18 36.8	2.363	3.340	3.4	20.8
3 12	10 45.20	+19 44.4	2.395	3.348	5.7	21.0
3 22	10 37.74	+20 37.0	2.456	3.355	8.6	21.2
4 1	10 31.68	+21 12.3	2.542	3.361	11.3	21.4
4 11	10 27.48	+21 30.4	2.649	3.366	13.5	21.5

433199 2012 UH_{50} 3 2.3 112°.24 1°.7/ 4.3 18

2 1	11 11.37	− 1 29.0	2.456	3.285	10.8	20.8
2 11	11 6.50	− 0 51.3	2.386	3.294	7.9	20.6
2 21	11 0.32	− 0 0.5	2.341	3.303	4.7	20.4
3 2	10 53.39	+ 1 0.0	2.325	3.312	1.9	20.3
3 12	10 46.45	+ 2 5.1	2.339	3.321	3.2	20.4
3 22	10 40.18	+ 3 9.4	2.383	3.329	6.4	20.6
4 1	10 35.18	+ 4 8.2	2.454	3.337	9.4	20.8
4 11	10 31.86	+ 4 57.6	2.548	3.346	11.9	21.0

431167 2006 RZ_{46} 3 2.3 171°.56 1°.2/ 3.8 17

2 1	11 11.11	− 0 1.3	2.594	3.426	10.1	21.6
2 11	11 6.31	+ 0 41.8	2.515	3.428	7.3	21.4
2 21	11 0.22	+ 1 36.9	2.464	3.429	4.2	21.2
3 2	10 53.39	+ 2 40.4	2.442	3.431	1.3	21.0
3 12	10 46.51	+ 3 47.3	2.450	3.432	3.1	21.1
3 22	10 40.22	+ 4 52.5	2.489	3.433	6.3	21.3
4 1	10 35.13	+ 5 51.4	2.554	3.433	9.2	21.5
4 11	10 31.65	+ 6 40.4	2.644	3.433	11.8	21.7

205783 2002 CD_{87} 3 2.3 222°.13 1°.6/29.9 18

2 1	11 15.80	+ 7 36.3	1.652	2.519	13.2	20.4
2 11	11 10.24	+ 8 43.4	1.580	2.514	9.2	20.1
2 21	11 2.51	+10 2.4	1.532	2.508	4.7	19.8
3 2	10 53.46	+11 25.4	1.513	2.502	1.7	19.6
3 12	10 44.25	+12 43.2	1.522	2.496	5.7	19.9
3 22	10 36.03	+13 47.9	1.557	2.489	10.3	20.1
4 1	10 29.79	+14 34.3	1.617	2.482	14.3	20.3
4 11	10 26.15	+15 0.5	1.696	2.475	17.7	20.5

97003 1999 TZ_{240} 3 2.3 174°.16 0°.1/ 2.4 18

2 1	11 12.97	+ 3 47.4	2.088	2.940	11.5	20.0
2 11	11 7.85	+ 4 38.5	2.016	2.941	8.1	19.8
2 21	11 1.11	+ 5 41.4	1.969	2.942	4.2	19.6
3 2	10 53.42	+ 6 50.8	1.951	2.942	0.2	19.2
3 12	10 45.66	+ 8 0.2	1.963	2.943	4.0	19.6
3 22	10 38.68	+ 9 3.5	2.003	2.943	7.8	19.8
4 1	10 33.22	+ 9 55.7	2.070	2.943	11.3	20.0
4 11	10 29.76	+10 33.9	2.158	2.943	14.2	20.2

49461 1999 AK_{5} 3 2.3 75°.92 3°.5/28.1 18

2 1	11 17.16	+16 42.4	2.041	2.911	10.9	17.7
2 11	11 10.69	+17 18.0	1.989	2.922	7.6	17.5
2 21	11 2.52	+17 52.6	1.963	2.933	4.5	17.3
3 2	10 53.47	+18 20.4	1.966	2.945	3.7	17.3
3 12	10 44.53	+18 36.5	1.998	2.956	6.2	17.4
3 22	10 36.61	+18 38.2	2.058	2.968	9.4	17.7
4 1	10 30.46	+18 24.7	2.141	2.979	12.4	17.9
4 11	10 26.50	+17 57.1	2.246	2.991	14.9	18.1

439547 2014 DO_{16} 3 2.3 263°.70 3°.9/ 6.5 18

2 1	11 12.91	− 7 15.7	2.499	3.297	11.5	20.9
2 11	11 7.68	− 7 24.1	2.409	3.290	9.0	20.7
2 21	11 1.00	− 7 17.3	2.343	3.282	6.4	20.5
3 2	10 53.43	− 6 56.1	2.305	3.275	4.2	20.4
3 12	10 45.72	− 6 23.3	2.296	3.267	4.4	20.4
3 22	10 38.59	− 5 43.1	2.315	3.259	6.7	20.5
4 1	10 32.72	− 5 0.3	2.362	3.251	9.4	20.7
4 11	10 28.60	− 4 19.7	2.433	3.244	12.0	20.8

68353 2001 MS_{10} 3 2.3 200°.15 1°.7/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 14.80	+ 0 55.4	2.161	2.999	11.7	19.0
2 11	11 9.09	+ 1 0.2	2.085	2.999	8.5	18.8
2 21	11 1.75	+ 1 16.7	2.033	2.999	5.0	18.5
3 2	10 53.46	+ 1 42.1	2.010	2.998	1.8	18.3
3 12	10 45.08	+ 2 12.3	2.017	2.998	3.6	18.5
3 22	10 37.48	+ 2 42.7	2.052	2.998	7.2	18.7
4 1	10 31.38	+ 3 9.1	2.113	2.997	10.6	18.9
4 11	10 27.30	+ 3 28.1	2.197	2.997	13.5	19.1

463656 2013 VA_{7} 3 2.3 212°.18 5°.3/ 7.4 17

2 1	11 15.74	−10 23.4	2.248	3.031	13.2	20.8
2 11	11 9.81	−10 43.2	2.160	3.026	10.6	20.6
2 21	11 2.17	−10 44.4	2.095	3.021	7.9	20.5
3 2	10 53.47	−10 27.0	2.057	3.016	5.7	20.3
3 12	10 44.59	− 9 53.5	2.047	3.010	5.6	20.3
3 22	10 36.39	− 9 8.5	2.066	3.005	7.7	20.4
4 1	10 29.67	− 8 18.0	2.111	2.998	10.5	20.6
4 11	10 24.99	− 7 27.9	2.180	2.992	13.2	20.7

413959 2007 BS_{101} 3 2.3 3°.91 0°.8/ 1.7 18

2 1	11 8.49	+ 4 14.7	1.177	2.062	16.0	19.9
2 11	11 5.55	+ 5 29.7	1.120	2.061	11.2	19.6
2 21	11 0.19	+ 7 4.8	1.084	2.061	5.7	19.3
3 2	10 53.41	+ 8 50.0	1.072	2.063	0.8	19.0
3 12	10 46.56	+10 32.0	1.086	2.066	6.1	19.3
3 22	10 40.96	+11 59.0	1.123	2.071	11.5	19.6
4 1	10 37.67	+13 3.1	1.181	2.077	16.2	19.9
4 11	10 37.26	+13 40.8	1.258	2.085	20.1	20.2

298806 2004 RV_{25} 3 2.3 185°.04 0°.2/ 2.1 18

2 1	11 16.27	+ 3 56.8	1.749	2.603	13.2	21.2
2 11	11 10.43	+ 4 58.3	1.677	2.604	9.3	20.9
2 21	11 2.57	+ 6 14.2	1.630	2.603	4.8	20.7
3 2	10 53.48	+ 7 37.9	1.612	2.603	0.2	20.3
3 12	10 44.29	+ 9 0.8	1.622	2.601	4.7	20.6
3 22	10 36.06	+10 14.9	1.661	2.599	9.3	20.9
4 1	10 29.71	+11 14.2	1.725	2.597	13.2	21.1
4 11	10 25.83	+11 55.5	1.809	2.594	16.5	21.3

496379 2013 SB_{82} 3 2.3 175°.21 2°.0/29.1 17

2 1	11 15.13	+11 19.0	2.368	3.229	9.9	22.4
2 11	11 9.20	+12 11.7	2.300	3.232	6.8	22.2
2 21	11 1.76	+13 8.7	2.260	3.234	3.6	22.0
3 2	10 53.47	+14 4.6	2.249	3.235	2.1	21.9
3 12	10 45.13	+14 53.9	2.269	3.236	4.8	22.0
3 22	10 37.54	+15 32.4	2.318	3.237	8.1	22.2
4 1	10 31.39	+15 57.3	2.392	3.237	11.0	22.4
4 11	10 27.13	+16 7.9	2.489	3.236	13.5	22.6

245456 2005 LQ_{24} 3 2.3 110°.97 5°.2/25.3 18

2 1	11 15.14	+23 0.3	2.384	3.253	9.6	20.4
2 11	11 9.18	+24 4.2	2.338	3.264	7.1	20.2
2 21	11 1.71	+25 2.8	2.320	3.275	5.4	20.1
3 2	10 53.46	+25 49.9	2.331	3.285	5.5	20.2
3 12	10 45.29	+26 20.6	2.370	3.296	7.4	20.3
3 22	10 37.99	+26 32.9	2.436	3.306	9.8	20.5
4 1	10 32.23	+26 26.6	2.525	3.317	12.1	20.6
4 11	10 28.42	+26 3.5	2.634	3.326	14.1	20.8

419045 2009 RP_{28} 3 2.3 89°.10 0°.2/ 2.1 18

2 1	11 16.30	+ 5 1.7	1.972	2.824	12.0	21.7
2 11	11 10.04	+ 5 47.3	1.925	2.850	8.4	21.5
2 21	11 2.16	+ 6 42.6	1.904	2.877	4.3	21.3
3 2	10 53.48	+ 7 41.7	1.912	2.903	0.2	21.0
3 12	10 44.95	+ 8 38.3	1.949	2.928	4.1	21.4
3 22	10 37.45	+ 9 27.0	2.016	2.953	7.9	21.6
4 1	10 31.67	+10 4.0	2.108	2.977	11.3	21.9
4 11	10 28.02	+10 27.4	2.222	3.001	14.0	22.1

363054 1999 VZ_{100} 3 2.3 184°.55 2°.5/ 4.9 18

2 1	11 16.15	− 3 8.4	2.130	2.950	12.5	21.7
2 11	11 10.08	− 2 43.8	2.049	2.950	9.3	21.5
2 21	11 2.30	− 2 2.8	1.993	2.950	5.8	21.3
3 2	10 53.49	− 1 8.4	1.965	2.949	2.8	21.1
3 12	10 44.56	− 0 6.0	1.968	2.948	3.9	21.2
3 22	10 36.42	+ 0 58.4	1.999	2.945	7.4	21.4
4 1	10 29.84	+ 1 58.6	2.058	2.942	10.9	21.6
4 11	10 25.34	+ 2 49.9	2.140	2.938	13.9	21.8

409870 2006 SY_{235} 3 2.3 95°.33 3°.8/28.4 18

2 1	11 22.15	+16 21.2	1.785	2.652	12.4	21.3
2 11	11 14.21	+17 0.5	1.745	2.677	8.6	21.1
2 21	11 4.34	+17 38.5	1.731	2.701	5.0	21.0
3 2	10 53.56	+18 8.2	1.745	2.725	4.0	20.9
3 12	10 43.07	+18 24.3	1.789	2.748	6.7	21.2
3 22	10 33.93	+18 24.3	1.860	2.771	10.2	21.4
4 1	10 26.95	+18 8.1	1.955	2.793	13.4	21.7
4 11	10 22.53	+17 37.2	2.070	2.814	16.0	21.9

348421 2005 NB_{65} 3 2.3 231°.29 0°.7/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.38	+ 4 51.4	1.405	2.272	15.0	21.5
2 11	11 10.94	+ 5 56.1	1.334	2.267	10.6	21.2
2 21	11 3.01	+ 7 17.9	1.286	2.261	5.5	20.9
3 2	10 53.53	+ 8 48.5	1.265	2.256	0.7	20.5
3 12	10 43.84	+10 17.2	1.271	2.250	5.8	20.8
3 22	10 35.30	+11 33.9	1.303	2.243	11.0	21.1
4 1	10 29.05	+12 31.6	1.358	2.237	15.7	21.4
4 11	10 25.76	+13 7.1	1.432	2.230	19.5	21.6

422564 2014 TR_{40} 3 2.3 190°.70 1°.2/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.67	+ 7 59.2	2.107	2.963	11.2	21.5
2 11	11 10.47	+ 8 51.9	2.033	2.962	7.8	21.3
2 21	11 2.51	+ 9 52.8	1.986	2.960	4.0	21.0
3 2	10 53.51	+10 56.0	1.968	2.958	1.3	20.8
3 12	10 44.42	+11 55.2	1.980	2.954	4.7	21.0
3 22	10 36.15	+12 44.7	2.021	2.950	8.5	21.3
4 1	10 29.50	+13 20.8	2.088	2.945	11.9	21.5
4 11	10 24.98	+13 41.7	2.177	2.939	14.8	21.7

373235 2012 FN_{74} 3 2.3 310°.12 0°.6/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.79	+ 5 44.5	1.617	2.474	13.9	20.1
2 11	11 13.09	+ 5 32.8	1.540	2.467	10.0	19.8
2 21	11 4.04	+ 5 30.2	1.488	2.460	5.4	19.6
3 2	10 53.57	+ 5 33.4	1.463	2.454	0.7	19.2
3 12	10 42.92	+ 5 37.7	1.466	2.447	4.7	19.5
3 22	10 33.35	+ 5 38.9	1.496	2.441	9.5	19.7
4 1	10 25.92	+ 5 33.4	1.551	2.435	13.8	20.0
4 11	10 21.28	+ 5 18.8	1.626	2.429	17.4	20.2

110052 2001 SF_{96} 3 2.3 47°.43 0°.0/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.51	+ 5 20.0	1.473	2.338	14.6	19.3
2 11	11 10.69	+ 5 42.9	1.420	2.352	10.2	19.1
2 21	11 2.69	+ 6 17.8	1.392	2.366	5.3	18.8
3 2	10 53.53	+ 6 58.7	1.389	2.380	0.2	18.4
3 12	10 44.47	+ 7 38.6	1.414	2.395	4.9	18.9
3 22	10 36.69	+ 8 11.1	1.465	2.410	9.6	19.2
4 1	10 31.10	+ 8 31.8	1.540	2.426	13.7	19.4
4 11	10 28.20	+ 8 38.4	1.634	2.441	17.1	19.7

139573 2001 QH_{90} 3 2.3 114°.84 4°.2/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.31	+20 28.5	2.708	3.577	8.6	20.3
2 11	11 7.78	+21 49.8	2.667	3.595	6.2	20.2
2 21	11 0.96	+23 8.0	2.654	3.613	4.5	20.1
3 2	10 53.48	+24 17.1	2.672	3.631	4.6	20.1
3 12	10 46.04	+25 12.2	2.719	3.648	6.4	20.3
3 22	10 39.33	+25 50.6	2.794	3.665	8.7	20.4
4 1	10 33.92	+26 11.4	2.893	3.681	10.8	20.6
4 11	10 30.19	+26 15.4	3.013	3.697	12.6	20.8

245003 2004 CR_{44} 3 2.3 357°.90 2°.2/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.87	+ 0 23.1	1.765	2.612	13.5	20.2
2 11	11 8.74	+ 0 22.1	1.692	2.610	9.9	20.0
2 21	11 1.69	+ 0 35.5	1.642	2.608	5.9	19.7
3 2	10 53.51	+ 1 0.5	1.620	2.607	2.4	19.5
3 12	10 45.21	+ 1 32.1	1.625	2.607	4.2	19.6
3 22	10 37.84	+ 2 4.8	1.657	2.607	8.3	19.9
4 1	10 32.24	+ 2 33.2	1.714	2.608	12.1	20.1
4 11	10 28.99	+ 2 53.1	1.792	2.609	15.4	20.3

286178 2001 UA_{44} 3 2.3 91°.05 2°.6/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.47	− 4 48.6	2.350	3.166	11.6	20.6
2 11	11 6.63	− 4 13.2	2.282	3.180	8.7	20.4
2 21	11 0.42	− 3 21.8	2.239	3.193	5.6	20.2
3 2	10 53.47	− 2 17.7	2.224	3.206	2.9	20.1
3 12	10 46.51	− 1 6.1	2.239	3.219	3.5	20.1
3 22	10 40.28	+ 0 7.0	2.284	3.232	6.4	20.3
4 1	10 35.37	+ 1 16.1	2.355	3.245	9.4	20.5
4 11	10 32.20	+ 2 16.4	2.450	3.257	12.1	20.7

146823 2001 YD_{137} 3 2.3 8°.70 0°.3/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.12	+ 7 52.8	1.175	2.057	16.2	18.5
2 11	11 10.89	+ 7 42.8	1.120	2.059	11.4	18.2
2 21	11 2.98	+ 7 42.4	1.087	2.063	5.9	17.9
3 2	10 53.55	+ 7 46.5	1.077	2.069	0.3	17.5
3 12	10 44.15	+ 7 48.8	1.093	2.075	5.7	17.9
3 22	10 36.26	+ 7 44.3	1.133	2.084	11.1	18.3
4 1	10 30.99	+ 7 29.6	1.194	2.094	15.8	18.6
4 11	10 28.90	+ 7 3.0	1.274	2.105	19.7	18.8

229440 Filimon 3 2.3 124°.73 11°.2/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.54	−26 41.4	2.030	2.710	17.5	20.0
2 11	11 9.98	−27 36.0	1.951	2.714	15.6	19.9
2 21	11 2.40	−28 0.5	1.889	2.717	13.7	19.7
3 2	10 53.54	−27 51.2	1.849	2.720	12.1	19.6
3 12	10 44.45	−27 8.7	1.831	2.723	11.3	19.6
3 22	10 36.23	−25 57.4	1.838	2.726	11.6	19.6
4 1	10 29.79	−24 25.5	1.868	2.729	12.9	19.7
4 11	10 25.77	−22 43.1	1.920	2.732	14.7	19.8

468604 2007 VA_{254} 3 2.3 115°.21 0°.6/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 11.78	+ 5 35.0	2.475	3.327	9.9	21.4
2 11	11 6.79	+ 6 43.4	2.414	3.341	6.8	21.2
2 21	11 0.49	+ 8 0.4	2.380	3.354	3.4	21.0
3 2	10 53.48	+ 9 20.6	2.377	3.367	0.6	20.8
3 12	10 46.47	+10 37.8	2.404	3.380	3.7	21.1
3 22	10 40.16	+11 46.8	2.461	3.393	7.0	21.3
4 1	10 35.13	+12 43.8	2.545	3.405	9.9	21.5
4 11	10 31.78	+13 26.5	2.652	3.417	12.3	21.7

285973 2001 RS_{111} 3 2.3 201°.52 0°.0/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.58	+ 4 1.1	1.873	2.723	12.7	22.1
2 11	11 11.32	+ 4 52.7	1.794	2.718	9.0	21.8
2 21	11 3.06	+ 5 57.8	1.741	2.713	4.7	21.6
3 2	10 53.57	+ 7 10.5	1.716	2.707	0.1	21.2
3 12	10 43.91	+ 8 23.2	1.721	2.701	4.5	21.5
3 22	10 35.14	+ 9 28.8	1.755	2.693	8.9	21.8
4 1	10 28.16	+10 21.7	1.815	2.684	12.8	22.0
4 11	10 23.58	+10 58.7	1.895	2.675	16.1	22.2

409863 2006 SU_{185} 3 2.3 137°.99 4°.1/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.92	+17 37.1	2.004	2.871	11.2	22.2
2 11	11 12.68	+18 26.2	1.951	2.882	7.9	22.0
2 21	11 3.62	+19 13.8	1.925	2.893	4.9	21.8
3 2	10 53.59	+19 52.9	1.929	2.904	4.3	21.8
3 12	10 43.66	+20 18.2	1.961	2.914	6.8	22.0
3 22	10 34.83	+20 26.6	2.021	2.923	10.0	22.2
4 1	10 27.88	+20 17.6	2.106	2.932	13.0	22.4
4 11	10 23.29	+19 52.7	2.210	2.940	15.5	22.6

498857 2008 YD_{21} 3 2.3 89°.42 3°.2/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.76	+14 8.9	2.163	3.036	10.3	21.1
2 11	11 7.65	+15 23.6	2.110	3.046	7.1	21.0
2 21	11 1.00	+16 40.8	2.083	3.055	4.1	20.8
3 2	10 53.51	+17 53.5	2.086	3.065	3.4	20.8
3 12	10 46.03	+18 55.1	2.118	3.075	6.0	20.9
3 22	10 39.39	+19 41.3	2.177	3.085	9.1	21.1
4 1	10 34.26	+20 9.6	2.261	3.094	12.0	21.3
4 11	10 31.08	+20 20.2	2.365	3.104	14.4	21.5

83719 2001 TH_{94} 3 2.3 95°.87 1°.5/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.55	+ 0 14.7	2.268	3.105	11.2	19.7
2 11	11 7.47	+ 0 38.7	2.195	3.109	8.2	19.5
2 21	11 0.92	+ 1 15.1	2.147	3.113	4.7	19.3
3 2	10 53.52	+ 2 0.7	2.128	3.116	1.7	19.1
3 12	10 46.07	+ 2 50.5	2.139	3.120	3.4	19.3
3 22	10 39.35	+ 3 39.4	2.178	3.124	6.9	19.5
4 1	10 34.01	+ 4 22.8	2.244	3.128	10.1	19.7
4 11	10 30.51	+ 4 57.2	2.332	3.132	12.8	19.9

346850 2009 DY_{119} 3 2.3 85°.76 0°.4/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.70	+ 7 30.2	2.284	3.137	10.5	21.0
2 11	11 9.55	+ 7 46.5	2.225	3.152	7.3	20.9
2 21	11 1.94	+ 8 9.0	2.193	3.166	3.7	20.7
3 2	10 53.55	+ 8 33.5	2.190	3.181	0.4	20.4
3 12	10 45.22	+ 8 56.1	2.217	3.195	3.8	20.7
3 22	10 37.75	+ 9 13.0	2.273	3.209	7.3	20.9
4 1	10 31.76	+ 9 21.9	2.356	3.223	10.3	21.2
4 11	10 27.69	+ 9 21.1	2.461	3.237	12.9	21.4

346282 2008 JL_{26} 3 2.3 20°.12 6°.4/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.36	− 9 24.6	2.065	2.848	14.2	20.2
2 11	11 13.86	−10 40.3	1.987	2.852	11.4	20.0
2 21	11 4.36	−11 39.4	1.933	2.856	8.7	19.8
3 2	10 53.64	−12 19.6	1.906	2.860	6.7	19.7
3 12	10 42.73	−12 41.5	1.909	2.864	6.7	19.7
3 22	10 32.67	−12 47.7	1.940	2.869	8.8	19.8
4 1	10 24.39	−12 42.9	1.998	2.874	11.5	20.0
4 11	10 18.47	−12 33.0	2.078	2.880	14.1	20.2

372637 2009 VU_{94} 3 2.3 102°.96 1°.8/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.67	+10 9.5	1.911	2.777	11.7	20.9
2 11	11 9.84	+10 50.7	1.849	2.782	8.1	20.7
2 21	11 2.21	+11 37.7	1.812	2.788	4.2	20.5
3 2	10 53.57	+12 24.6	1.805	2.793	1.8	20.3
3 12	10 44.94	+13 5.3	1.826	2.798	5.2	20.6
3 22	10 37.27	+13 34.8	1.874	2.803	9.0	20.8
4 1	10 31.34	+13 50.5	1.948	2.809	12.4	21.0
4 11	10 27.67	+13 51.2	2.042	2.814	15.3	21.2

458873 2011 UO_{137} 3 2.3 154°.17 1°.0/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.64	+ 1 35.6	1.857	2.700	13.1	22.4
2 11	11 11.26	+ 2 13.0	1.790	2.708	9.4	22.1
2 21	11 2.98	+ 3 4.7	1.747	2.716	5.2	21.9
3 2	10 53.60	+ 4 5.8	1.733	2.723	1.1	21.6
3 12	10 44.20	+ 5 9.4	1.748	2.729	4.1	21.9
3 22	10 35.78	+ 6 8.8	1.792	2.735	8.3	22.1
4 1	10 29.18	+ 6 58.6	1.861	2.740	12.1	22.4
4 11	10 24.94	+ 7 35.0	1.952	2.744	15.3	22.6

461203 2015 VW_{118} 3 2.3 81°.65 4°.5/27.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.37	+14 43.8	1.394	2.273	14.4	22.0
2 11	11 13.37	+16 3.2	1.361	2.299	9.9	21.8
2 21	11 4.06	+17 23.5	1.352	2.325	5.8	21.6
3 2	10 53.64	+18 34.0	1.371	2.351	4.8	21.6
3 12	10 43.55	+19 26.0	1.416	2.376	8.1	21.9
3 22	10 35.06	+19 55.0	1.487	2.401	12.1	22.2
4 1	10 29.06	+20 0.4	1.580	2.425	15.6	22.5
4 11	10 25.97	+19 44.5	1.691	2.449	18.5	22.7

95646 2002 GX_{93} 3 2.3 357°.88 5°.0/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.92	− 8 1.6	1.710	2.525	15.3	18.8
2 11	11 8.19	− 8 3.1	1.633	2.524	12.0	18.6
2 21	11 1.48	− 7 41.6	1.579	2.523	8.5	18.4
3 2	10 53.57	− 6 58.4	1.550	2.522	5.5	18.2
3 12	10 45.50	− 5 58.4	1.547	2.522	5.6	18.2
3 22	10 38.35	− 4 49.1	1.572	2.522	8.6	18.4
4 1	10 33.01	− 3 38.7	1.621	2.523	12.2	18.6
4 11	10 30.08	− 2 34.7	1.691	2.524	15.5	18.8

68536 2001 VU_{115} 3 2.3 213°.66 3°.5/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.87	− 4 4.2	1.759	2.583	14.6	19.6
2 11	11 11.68	− 3 57.4	1.676	2.577	11.1	19.4
2 21	11 3.34	− 3 31.1	1.615	2.571	7.2	19.1
3 2	10 53.63	− 2 47.4	1.582	2.564	3.9	18.9
3 12	10 43.69	− 1 51.7	1.577	2.556	4.8	18.9
3 22	10 34.64	− 0 51.0	1.600	2.548	8.7	19.1
4 1	10 27.50	+ 0 7.4	1.648	2.539	12.7	19.4
4 11	10 22.90	+ 0 57.2	1.718	2.530	16.2	19.6

268985 2007 EH_{80} 3 2.3 250°.91 1°.4/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.32	+ 0 12.6	1.919	2.762	12.7	20.9
2 11	11 8.30	+ 0 50.1	1.840	2.757	9.2	20.6
2 21	11 1.48	+ 1 43.5	1.785	2.752	5.3	20.4
3 2	10 53.57	+ 2 48.4	1.758	2.748	1.6	20.1
3 12	10 45.53	+ 3 58.2	1.761	2.743	3.9	20.3
3 22	10 38.28	+ 5 5.9	1.791	2.738	8.0	20.5
4 1	10 32.67	+ 6 5.4	1.846	2.733	11.8	20.7
4 11	10 29.24	+ 6 52.2	1.924	2.727	15.0	20.9

91395 Sakanouenokumo 3 2.3 302°.92 6°.9/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.64	−12 17.2	1.747	2.539	16.0	19.4
2 11	11 8.83	−12 38.1	1.656	2.525	13.1	19.2
2 21	11 1.90	−12 33.7	1.587	2.512	10.0	19.0
3 2	10 53.59	−12 3.2	1.542	2.499	7.5	18.8
3 12	10 44.96	−11 9.5	1.522	2.486	7.2	18.7
3 22	10 37.12	− 9 59.0	1.529	2.473	9.4	18.8
4 1	10 31.08	− 8 40.3	1.561	2.461	12.7	19.0
4 11	10 27.54	− 7 22.9	1.613	2.449	16.0	19.2

262437 2006 UD_{89} 3 2.3 7°.01 8°.6/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.18	+25 57.9	1.365	2.246	14.5	20.1
2 11	11 13.64	+26 57.2	1.318	2.246	11.2	19.9
2 21	11 4.39	+27 45.0	1.294	2.247	8.9	19.8
3 2	10 53.67	+28 10.5	1.295	2.249	9.1	19.8
3 12	10 43.12	+28 6.8	1.321	2.251	11.6	20.0
3 22	10 34.20	+27 32.8	1.369	2.254	15.0	20.2
4 1	10 28.01	+26 31.6	1.437	2.258	18.2	20.4
4 11	10 25.04	+25 9.2	1.522	2.263	21.0	20.6

92408 2000 JZ_{34} 3 2.3 192°.71 2°.7/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.53	− 3 5.6	1.939	2.762	13.4	20.4
2 11	11 11.25	− 2 42.6	1.857	2.760	10.1	20.2
2 21	11 3.03	− 2 1.7	1.799	2.758	6.3	20.0
3 2	10 53.64	− 1 6.1	1.770	2.754	3.0	19.7
3 12	10 44.08	− 0 1.4	1.770	2.750	4.2	19.8
3 22	10 35.37	+ 1 5.5	1.799	2.745	8.0	20.0
4 1	10 28.40	+ 2 7.8	1.854	2.740	11.8	20.2
4 11	10 23.74	+ 3 0.2	1.932	2.733	15.0	20.4

64414 2001 UJ_{171} 3 2.3 86°.25 3°.3/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.78	+14 58.4	1.767	2.638	12.2	19.0
2 11	11 12.11	+15 33.5	1.711	2.646	8.5	18.8
2 21	11 3.42	+16 9.5	1.680	2.653	4.8	18.6
3 2	10 53.64	+16 39.8	1.678	2.660	3.5	18.5
3 12	10 43.95	+16 58.5	1.704	2.668	6.5	18.7
3 22	10 35.41	+17 2.2	1.756	2.675	10.2	18.9
4 1	10 28.90	+16 49.7	1.833	2.682	13.6	19.1
4 11	10 24.90	+16 22.0	1.929	2.690	16.5	19.4

473166 2015 KS_{31} 3 2.3 269°.72 1°.8/ 4.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.68	− 0 55.0	2.437	3.268	10.8	21.8
2 11	11 6.88	− 0 32.4	2.350	3.260	7.9	21.6
2 21	11 0.65	+ 0 2.9	2.289	3.251	4.8	21.4
3 2	10 53.56	+ 0 48.2	2.256	3.242	2.0	21.2
3 12	10 46.34	+ 1 39.2	2.252	3.234	3.3	21.2
3 22	10 39.73	+ 2 30.8	2.278	3.225	6.6	21.4
4 1	10 34.37	+ 3 18.5	2.331	3.216	9.7	21.6
4 11	10 30.74	+ 3 58.2	2.407	3.208	12.5	21.8

245011 2004 CM_{107} 3 2.3 263°.98 1°.7/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 11.56	+ 8 59.3	2.188	3.054	10.5	20.5
2 11	11 6.88	+10 10.1	2.118	3.052	7.2	20.3
2 21	11 0.67	+11 28.6	2.075	3.051	3.7	20.1
3 2	10 53.56	+12 48.5	2.061	3.049	1.8	19.9
3 12	10 46.37	+14 2.9	2.077	3.047	4.9	20.1
3 22	10 39.90	+15 6.0	2.121	3.046	8.4	20.3
4 1	10 34.86	+15 53.9	2.190	3.044	11.5	20.5
4 11	10 31.72	+16 24.9	2.281	3.043	14.2	20.7

456928 2007 XS_{53} 3 2.3 59°.43 2°.5/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.18	+10 34.5	1.421	2.298	14.3	20.8
2 11	11 11.25	+11 26.3	1.374	2.312	9.8	20.5
2 21	11 3.05	+12 25.0	1.350	2.326	5.1	20.3
3 2	10 53.63	+13 22.1	1.353	2.340	2.6	20.2
3 12	10 44.36	+14 9.1	1.382	2.355	6.5	20.5
3 22	10 36.45	+14 40.1	1.437	2.369	10.9	20.7
4 1	10 30.85	+14 52.5	1.515	2.384	14.9	21.0
4 11	10 28.03	+14 46.2	1.611	2.399	18.1	21.3

328725 2009 TP_{36} 3 2.3 200°.25 2°.7/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.29	− 4 52.4	2.232	3.048	12.2	21.0
2 11	11 8.09	− 4 10.5	2.147	3.044	9.2	20.8
2 21	11 1.31	− 3 10.4	2.086	3.041	5.9	20.6
3 2	10 53.58	− 1 55.5	2.054	3.037	3.0	20.4
3 12	10 45.72	− 0 31.6	2.052	3.032	3.8	20.4
3 22	10 38.55	+ 0 54.6	2.079	3.027	7.0	20.6
4 1	10 32.79	+ 2 16.3	2.134	3.021	10.4	20.8
4 11	10 28.95	+ 3 28.0	2.212	3.015	13.3	21.0

83024 2001 QQ_{178} 3 2.3 225°.69 1°.5/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.00	+ 8 39.0	2.246	3.104	10.5	20.2
2 11	11 9.34	+ 9 43.2	2.162	3.092	7.3	20.0
2 21	11 2.00	+10 55.8	2.105	3.080	3.7	19.7
3 2	10 53.62	+12 10.7	2.078	3.067	1.6	19.5
3 12	10 45.06	+13 21.3	2.082	3.053	4.8	19.7
3 22	10 37.17	+14 21.9	2.114	3.038	8.4	19.9
4 1	10 30.74	+15 8.1	2.173	3.023	11.7	20.1
4 11	10 26.30	+15 38.2	2.253	3.007	14.6	20.3

33893 2000 KB_{26} 3 2.3 115°.28 0°.4/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.61	+ 4 19.6	2.002	2.854	11.9	18.9
2 11	11 9.00	+ 5 31.0	1.945	2.871	8.3	18.7
2 21	11 1.75	+ 6 53.8	1.914	2.887	4.2	18.5
3 2	10 53.61	+ 8 21.4	1.912	2.903	0.4	18.2
3 12	10 45.52	+ 9 46.1	1.941	2.918	4.3	18.5
3 22	10 38.33	+11 1.2	1.998	2.933	8.1	18.8
4 1	10 32.78	+12 1.9	2.081	2.948	11.5	19.0
4 11	10 29.31	+12 45.7	2.187	2.962	14.3	19.3

300882 2008 AU_{96} 3 2.3 174°.65 1°.4/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.25	+10 53.9	2.848	3.705	8.6	21.8
2 11	11 7.74	+11 29.5	2.777	3.707	5.9	21.6
2 21	11 1.01	+12 8.6	2.734	3.709	3.1	21.4
3 2	10 53.59	+12 47.1	2.722	3.710	1.5	21.3
3 12	10 46.15	+13 21.2	2.741	3.711	3.9	21.5
3 22	10 39.30	+13 47.6	2.789	3.711	6.7	21.7
4 1	10 33.62	+14 4.1	2.864	3.711	9.3	21.9
4 11	10 29.49	+14 9.8	2.961	3.711	11.5	22.0

206771 2004 CO_{53} 3 2.3 258°.84 0°.1/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.57	+ 5 26.8	2.287	3.137	10.7	20.3
2 11	11 8.96	+ 5 44.0	2.205	3.129	7.5	20.0
2 21	11 1.77	+ 6 9.5	2.149	3.121	4.0	19.8
3 2	10 53.63	+ 6 39.6	2.122	3.113	0.2	19.5
3 12	10 45.38	+ 7 9.9	2.125	3.105	3.7	19.7
3 22	10 37.82	+ 7 36.3	2.157	3.097	7.3	20.0
4 1	10 31.68	+ 7 55.3	2.216	3.089	10.6	20.1
4 11	10 27.46	+ 8 4.5	2.296	3.081	13.5	20.3

252194 2001 FX_{18} 3 2.3 304°.80 0°.7/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.49	+ 3 34.3	1.463	2.326	14.8	20.3
2 11	11 10.40	+ 3 55.0	1.380	2.309	10.7	20.0
2 21	11 2.84	+ 4 31.3	1.320	2.292	5.8	19.7
3 2	10 53.67	+ 5 18.4	1.285	2.276	0.8	19.3
3 12	10 44.16	+ 6 8.9	1.277	2.260	5.1	19.5
3 22	10 35.62	+ 6 55.1	1.295	2.244	10.3	19.8
4 1	10 29.24	+ 7 30.4	1.337	2.228	15.0	20.0
4 11	10 25.75	+ 7 50.4	1.397	2.213	19.0	20.2

198693 2005 CA_{22} 3 2.3 77°.74 2°.5/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.95	+11 18.6	2.002	2.873	11.0	20.3
2 11	11 7.95	+12 27.8	1.939	2.875	7.6	20.1
2 21	11 1.27	+13 42.8	1.903	2.878	4.0	19.9
3 2	10 53.62	+14 56.5	1.895	2.880	2.7	19.8
3 12	10 45.93	+16 1.7	1.916	2.883	5.6	20.0
3 22	10 39.08	+16 52.9	1.965	2.885	9.2	20.2
4 1	10 33.84	+17 27.0	2.038	2.888	12.5	20.4
4 11	10 30.68	+17 43.0	2.132	2.890	15.2	20.6

165353 2000 WR_{48} 3 2.3 77°.94 5°.1/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.74	− 7 56.8	1.517	2.334	16.9	19.1
2 11	11 11.54	− 7 54.7	1.464	2.356	13.1	19.0
2 21	11 3.18	− 7 27.2	1.433	2.379	9.0	18.8
3 2	10 53.68	− 6 37.1	1.427	2.401	5.7	18.6
3 12	10 44.30	− 5 31.2	1.448	2.423	5.8	18.7
3 22	10 36.20	− 4 18.0	1.496	2.445	9.0	18.9
4 1	10 30.28	− 3 6.5	1.568	2.467	12.7	19.2
4 11	10 27.05	− 2 4.1	1.661	2.488	16.0	19.4

145043 2005 FE_{7} 3 2.3 257°.69 5°.2/27.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.30	+19 53.0	1.815	2.685	12.1	20.5
2 11	11 14.16	+20 41.7	1.737	2.667	8.8	20.2
2 21	11 4.68	+21 28.0	1.685	2.649	5.9	20.0
3 2	10 53.74	+22 3.7	1.660	2.631	5.5	19.9
3 12	10 42.58	+22 22.0	1.664	2.612	8.2	20.1
3 22	10 32.45	+22 19.1	1.695	2.592	11.8	20.2
4 1	10 24.40	+21 54.7	1.748	2.572	15.3	20.4
4 11	10 19.09	+21 11.0	1.821	2.552	18.3	20.6

109087 2001 QE_{29} 3 2.3 57°.50 4°.3/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.33	+17 3.4	1.485	2.360	13.9	18.4
2 11	11 14.56	+17 36.5	1.453	2.388	9.7	18.2
2 21	11 4.62	+18 7.0	1.447	2.417	5.7	18.1
3 2	10 53.73	+18 27.4	1.467	2.447	4.5	18.1
3 12	10 43.28	+18 32.2	1.515	2.476	7.5	18.3
3 22	10 34.47	+18 19.4	1.588	2.505	11.2	18.6
4 1	10 28.13	+17 49.9	1.685	2.534	14.7	18.9
4 11	10 24.62	+17 5.8	1.801	2.563	17.4	19.1

116585 2004 BX_{95} 3 2.3 45°.27 12°.3/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.13	+40 15.9	1.681	2.525	14.2	18.5
2 11	11 13.90	+41 52.7	1.680	2.554	12.7	18.5
2 21	11 4.32	+43 3.0	1.702	2.582	12.3	18.6
3 2	10 53.71	+43 38.3	1.747	2.612	13.0	18.7
3 12	10 43.65	+43 36.0	1.814	2.641	14.4	18.8
3 22	10 35.41	+42 58.9	1.900	2.671	16.1	19.0
4 1	10 29.82	+41 53.0	2.004	2.701	17.7	19.2
4 11	10 27.18	+40 25.4	2.122	2.731	19.0	19.4

32279 Marshall 3 2.3 85°.22 0°.3/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.55	+ 4 59.2	1.767	2.626	12.8	18.8
2 11	11 9.18	+ 5 47.7	1.705	2.634	9.0	18.6
2 21	11 1.95	+ 6 47.9	1.668	2.643	4.6	18.3
3 2	10 53.65	+ 7 53.9	1.660	2.651	0.3	18.0
3 12	10 45.36	+ 8 58.0	1.679	2.659	4.5	18.3
3 22	10 38.06	+ 9 53.8	1.726	2.667	8.8	18.6
4 1	10 32.57	+10 36.2	1.798	2.675	12.6	18.9
4 11	10 29.39	+11 2.9	1.891	2.683	15.7	19.1

117252 2004 SJ_{41} 3 2.3 134°.90 0°.0/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.78	+ 4 43.5	2.305	3.152	10.7	20.8
2 11	11 8.98	+ 5 25.6	2.241	3.164	7.5	20.6
2 21	11 1.72	+ 6 16.9	2.204	3.176	3.9	20.4
3 2	10 53.65	+ 7 12.6	2.196	3.187	0.1	20.1
3 12	10 45.60	+ 8 7.4	2.219	3.198	3.7	20.4
3 22	10 38.32	+ 8 56.4	2.271	3.208	7.2	20.6
4 1	10 32.49	+ 9 35.7	2.349	3.218	10.3	20.9
4 11	10 28.53	+10 3.0	2.451	3.227	12.9	21.1

110602 2001 TC_{135} 3 2.3 200°.51 4°.3/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.09	− 9 24.1	2.535	3.320	11.8	19.5
2 11	11 7.84	− 9 26.6	2.447	3.318	9.3	19.4
2 21	11 1.16	− 9 12.3	2.385	3.316	6.8	19.2
3 2	10 53.64	− 8 42.2	2.349	3.313	4.7	19.1
3 12	10 45.99	− 7 59.2	2.343	3.311	4.6	19.0
3 22	10 38.95	− 7 7.8	2.365	3.308	6.6	19.2
4 1	10 33.17	− 6 13.3	2.415	3.304	9.3	19.3
4 11	10 29.11	− 5 20.9	2.489	3.301	11.8	19.5

264493 2001 PS_{50} 3 2.3 138°.24 0°.4/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.04	+ 3 25.2	2.124	2.969	11.6	22.0
2 11	11 9.97	+ 4 4.8	2.060	2.981	8.2	21.8
2 21	11 2.27	+ 4 55.4	2.022	2.992	4.4	21.6
3 2	10 53.69	+ 5 52.1	2.012	3.003	0.5	21.3
3 12	10 45.11	+ 6 49.1	2.033	3.014	3.8	21.6
3 22	10 37.40	+ 7 40.9	2.083	3.023	7.6	21.8
4 1	10 31.27	+ 8 23.2	2.160	3.033	10.9	22.1
4 11	10 27.18	+ 8 53.1	2.259	3.041	13.7	22.3

498715 2008 TJ_{104} 3 2.3 198°.31 1°.9/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.77	− 0 53.8	2.180	3.012	11.8	22.1
2 11	11 8.45	− 0 30.0	2.101	3.011	8.7	21.9
2 21	11 1.54	+ 0 7.9	2.046	3.009	5.2	21.7
3 2	10 53.67	+ 0 56.6	2.020	3.007	2.1	21.5
3 12	10 45.70	+ 1 51.1	2.024	3.005	3.6	21.6
3 22	10 38.46	+ 2 45.9	2.056	3.003	7.2	21.8
4 1	10 32.67	+ 3 35.6	2.115	3.000	10.5	22.0
4 11	10 28.84	+ 4 16.1	2.197	2.998	13.5	22.2

241276 Guntramlampert 3 2.3 16°.85 1°.1/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 12.25	+ 1 19.0	1.896	2.745	12.6	20.5
2 11	11 7.54	+ 1 51.9	1.826	2.747	9.1	20.3
2 21	11 1.10	+ 2 39.1	1.781	2.750	5.1	20.1
3 2	10 53.66	+ 3 36.0	1.763	2.753	1.3	19.8
3 12	10 46.16	+ 4 36.4	1.773	2.756	3.9	20.0
3 22	10 39.51	+ 5 33.8	1.812	2.759	7.9	20.3
4 1	10 34.48	+ 6 22.7	1.875	2.763	11.6	20.5
4 11	10 31.57	+ 6 59.2	1.960	2.767	14.7	20.7

372619 2009 VM_{39} 3 2.4 216°.99 6°.4/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.38	+26 19.7	2.253	3.115	10.3	20.9
2 11	11 12.43	+27 24.4	2.191	3.108	8.0	20.7
2 21	11 3.63	+28 21.6	2.156	3.100	6.5	20.6
3 2	10 53.75	+29 4.1	2.149	3.091	6.9	20.6
3 12	10 43.82	+29 26.3	2.170	3.082	8.8	20.7
3 22	10 34.83	+29 26.3	2.218	3.072	11.3	20.9
4 1	10 27.60	+29 4.4	2.288	3.062	13.7	21.0
4 11	10 22.66	+28 23.4	2.377	3.051	15.8	21.2

56521 2000 HE_{22} 3 2.4 208°.23 0°.1/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.38	+ 4 54.8	1.917	2.767	12.4	20.8
2 11	11 11.92	+ 5 35.8	1.836	2.760	8.8	20.5
2 21	11 3.45	+ 6 28.5	1.781	2.753	4.6	20.3
3 2	10 53.75	+ 7 27.7	1.754	2.745	0.2	19.9
3 12	10 43.86	+ 8 26.5	1.757	2.736	4.5	20.2
3 22	10 34.84	+ 9 18.7	1.789	2.727	8.8	20.4
4 1	10 27.59	+ 9 59.2	1.847	2.716	12.6	20.7
4 11	10 22.71	+10 25.3	1.926	2.704	15.9	20.8

455196 2000 TP_{19} 3 2.4 122°.84 3°.4/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.80	+13 55.7	1.820	2.687	12.1	21.5
2 11	11 12.74	+15 0.6	1.772	2.706	8.4	21.3
2 21	11 3.75	+16 7.6	1.751	2.724	4.7	21.1
3 2	10 53.76	+17 8.7	1.759	2.741	3.6	21.1
3 12	10 43.91	+17 57.1	1.796	2.757	6.5	21.3
3 22	10 35.24	+18 28.3	1.861	2.773	10.1	21.5
4 1	10 28.58	+18 40.8	1.949	2.788	13.4	21.8
4 11	10 24.37	+18 35.4	2.058	2.802	16.1	22.0

385626 2005 NO_{31} 3 2.4 195°.87 4°.3/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.30	+19 49.9	2.631	3.502	8.7	21.2
2 11	11 7.28	+21 14.1	2.570	3.500	6.3	21.1
2 21	11 0.87	+22 36.9	2.538	3.498	4.5	20.9
3 2	10 53.67	+23 52.1	2.535	3.496	4.7	20.9
3 12	10 46.39	+24 53.9	2.562	3.494	6.6	21.1
3 22	10 39.75	+25 38.8	2.616	3.491	9.1	21.2
4 1	10 34.39	+26 5.4	2.695	3.488	11.4	21.4
4 11	10 30.74	+26 13.9	2.793	3.485	13.4	21.5

208954 2002 WE_{7} 3 2.4 80°.80 2°.2/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.30	+12 28.8	2.141	3.007	10.6	20.0
2 11	11 9.42	+13 7.4	2.087	3.020	7.3	19.8
2 21	11 1.98	+13 48.9	2.059	3.033	3.9	19.6
3 2	10 53.70	+14 27.8	2.060	3.045	2.4	19.6
3 12	10 45.50	+14 58.9	2.090	3.058	5.1	19.8
3 22	10 38.20	+15 18.7	2.149	3.071	8.4	20.0
4 1	10 32.49	+15 25.3	2.232	3.083	11.5	20.2
4 11	10 28.79	+15 18.4	2.337	3.096	14.0	20.4

494211 2016 HC_{16} 3 2.4 287°.09 0°.9/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.12	+ 6 59.0	1.844	2.707	12.2	21.7
2 11	11 8.94	+ 7 45.8	1.772	2.703	8.5	21.5
2 21	11 1.88	+ 8 42.7	1.725	2.700	4.3	21.2
3 2	10 53.70	+ 9 43.7	1.706	2.696	0.9	21.0
3 12	10 45.42	+10 41.7	1.715	2.692	4.8	21.2
3 22	10 38.02	+11 30.6	1.752	2.689	9.0	21.5
4 1	10 32.34	+12 5.8	1.814	2.685	12.7	21.7
4 11	10 28.94	+12 25.2	1.896	2.682	15.9	21.9

151292 2002 CD_{13} 3 2.4 1°.70 8°.4/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.02	+23 19.3	1.419	2.311	13.3	18.5
2 11	11 7.96	+25 31.3	1.375	2.310	10.2	18.3
2 21	11 1.52	+27 37.5	1.355	2.309	8.4	18.2
3 2	10 53.69	+29 24.2	1.361	2.310	9.3	18.2
3 12	10 45.81	+30 40.4	1.392	2.311	12.1	18.4
3 22	10 39.18	+31 21.4	1.444	2.312	15.4	18.6
4 1	10 34.83	+31 27.5	1.516	2.315	18.4	18.8
4 11	10 33.32	+31 3.0	1.602	2.319	20.9	19.0

464680 2001 UM_{55} 3 2.4 74°.95 4°.6/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.95	− 8 31.0	1.747	2.554	15.4	21.2
2 11	11 10.06	− 8 10.5	1.695	2.582	11.9	21.0
2 21	11 2.36	− 7 26.8	1.667	2.610	8.1	20.9
3 2	10 53.72	− 6 23.1	1.664	2.638	5.1	20.7
3 12	10 45.22	− 5 6.2	1.690	2.665	5.1	20.8
3 22	10 37.84	− 3 44.4	1.743	2.692	8.0	21.0
4 1	10 32.35	− 2 25.6	1.822	2.719	11.4	21.3
4 11	10 29.18	− 1 16.4	1.924	2.745	14.4	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
259558 2003 UV_{155}			3 2.4	25°.77	3°.2/ 5.3 18	
	h m	° ′			°	m
2 1	11 10.46	− 5 24.3	1.222	2.073	18.0	20.0
2 11	11 6.90	− 4 20.0	1.164	2.081	13.5	19.7
2 21	11 0.98	− 2 44.3	1.127	2.090	8.4	19.4
3 2	10 53.69	− 0 44.3	1.114	2.100	3.7	19.2
3 12	10 46.37	+ 1 27.0	1.126	2.110	5.1	19.3
3 22	10 40.33	+ 3 35.2	1.164	2.122	10.0	19.6
4 1	10 36.57	+ 5 27.9	1.225	2.134	14.7	19.9
4 11	10 35.65	+ 6 57.0	1.306	2.148	18.7	20.2
504019 2005 MH_{30}			3 2.4	174°.87	2°.6/ 5.8 17	
2 1	11 12.27	− 4 54.0	3.065	3.867	9.5	22.6
2 11	11 7.05	− 4 42.5	2.981	3.869	7.3	22.4
2 21	11 0.69	− 4 19.0	2.923	3.871	4.8	22.3
3 2	10 53.68	− 3 45.3	2.895	3.873	2.8	22.1
3 12	10 46.61	− 3 4.4	2.897	3.874	3.2	22.2
3 22	10 40.05	− 2 20.1	2.930	3.874	5.4	22.3
4 1	10 34.51	− 1 36.1	2.991	3.874	7.9	22.5
4 11	10 30.39	− 0 56.0	3.076	3.874	10.1	22.6
21823 1999 TX_{72}			3 2.4	236°.73	1°.6/29.9 18	
2 1	11 16.77	+ 8 49.9	1.883	2.746	12.0	19.1
2 11	11 10.87	+ 9 43.9	1.802	2.734	8.4	18.8
2 21	11 2.95	+10 47.1	1.746	2.721	4.3	18.6
3 2	10 53.76	+11 52.8	1.719	2.708	1.7	18.4
3 12	10 44.35	+12 53.7	1.721	2.694	5.3	18.6
3 22	10 35.78	+13 43.3	1.750	2.679	9.5	18.8
4 1	10 28.97	+14 17.4	1.805	2.664	13.3	19.0
4 11	10 24.54	+14 34.1	1.880	2.649	16.6	19.2
429879 2012 SR_{51}			3 2.4	338°.46	3°.6/ 6.3 18	
2 1	11 11.65	− 6 36.0	2.028	2.843	13.2	20.5
2 11	11 7.10	− 6 12.0	1.947	2.841	10.2	20.3
2 21	11 0.89	− 5 27.9	1.890	2.839	6.9	20.1
3 2	10 53.69	− 4 26.4	1.860	2.837	4.0	19.9
3 12	10 46.37	− 3 12.9	1.858	2.836	4.4	19.9
3 22	10 39.80	− 1 54.2	1.884	2.835	7.4	20.1
4 1	10 34.73	− 0 37.6	1.936	2.833	10.8	20.3
4 11	10 31.69	+ 0 30.7	2.012	2.832	13.8	20.5
151535 2002 RS_{110}			3 2.4	139°.33	1°.8/29.9 18	
2 1	11 18.44	+ 7 45.5	1.529	2.396	14.1	20.6
2 11	11 12.15	+ 8 57.0	1.472	2.406	9.7	20.4
2 21	11 3.61	+10 19.6	1.440	2.415	4.9	20.1
3 2	10 53.79	+11 44.4	1.435	2.424	1.9	19.9
3 12	10 43.99	+13 1.6	1.458	2.432	6.0	20.2
3 22	10 35.41	+14 3.4	1.508	2.440	10.6	20.5
4 1	10 29.04	+14 45.5	1.582	2.447	14.6	20.8
4 11	10 25.42	+15 6.6	1.675	2.453	17.9	21.0
221733 2007 EQ_{75}			3 2.4	203°.58	1°.6/ 3.7 18	
2 1	11 17.39	− 0 9.3	1.743	2.583	13.9	21.2
2 11	11 11.38	+ 0 29.8	1.663	2.579	10.2	20.9
2 21	11 3.24	+ 1 26.8	1.608	2.574	5.9	20.6
3 2	10 53.80	+ 2 37.0	1.580	2.569	1.8	20.4
3 12	10 44.15	+ 3 53.0	1.581	2.563	4.3	20.5
3 22	10 35.44	+ 5 6.7	1.610	2.556	8.9	20.8
4 1	10 28.62	+ 6 11.1	1.665	2.549	13.0	21.0
4 11	10 24.32	+ 7 1.1	1.741	2.540	16.5	21.2
326991 2004 PC_{80}			3 2.4	236°.52	0°.6/ 3.1 17	
2 1	11 13.01	+ 0 46.8	2.187	3.026	11.5	21.4
2 11	11 8.03	+ 1 56.1	2.097	3.014	8.3	21.2
2 21	11 1.40	+ 3 21.3	2.033	3.002	4.5	20.9
3 2	10 53.73	+ 4 57.2	1.998	2.989	0.8	20.6
3 12	10 45.88	+ 6 36.5	1.994	2.975	3.7	20.8
3 22	10 38.66	+ 8 11.7	2.020	2.961	7.7	21.0
4 1	10 32.86	+ 9 36.1	2.073	2.947	11.3	21.2
4 11	10 29.01	+10 45.2	2.149	2.932	14.3	21.4
210150 2006 ST_{108}			3 2.4	150°.13	3°.7/26.2 18	
2 1	11 11.65	+16 25.3	2.494	3.365	9.1	20.0
2 11	11 6.87	+18 2.9	2.435	3.369	6.4	19.9
2 21	11 0.70	+19 41.9	2.405	3.372	4.1	19.7
3 2	10 53.71	+21 15.0	2.405	3.375	4.1	19.7
3 12	10 46.67	+22 35.9	2.435	3.378	6.3	19.9
3 22	10 40.29	+23 39.8	2.494	3.381	9.0	20.0
4 1	10 35.20	+24 24.7	2.577	3.383	11.5	20.2
4 11	10 31.85	+24 50.3	2.680	3.386	13.6	20.4
201986 2004 PA_{58}			3 2.4	164°.06	2°.2/ 4.3 18	
2 1	11 19.16	− 1 12.6	1.930	2.758	13.3	21.5
2 11	11 12.37	− 0 55.9	1.857	2.764	9.8	21.3
2 21	11 3.65	− 0 23.6	1.809	2.770	5.9	21.1
3 2	10 53.82	+ 0 20.8	1.789	2.775	2.5	20.8
3 12	10 43.92	+ 1 12.0	1.799	2.780	4.1	21.0
3 22	10 34.97	+ 2 3.7	1.838	2.783	8.0	21.2
4 1	10 27.82	+ 2 50.2	1.903	2.786	11.7	21.4
4 11	10 23.00	+ 3 27.1	1.991	2.787	14.8	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
251312 2006 YV_{14}			3 2.4	93°.68	5°.0/27.4 18	
	h m	° ′			°	m
2 1	11 22.86	+20 12.9	1.863	2.729	12.0	20.5
2 11	11 14.74	+20 58.7	1.828	2.756	8.6	20.3
2 21	11 4.73	+21 39.4	1.818	2.782	5.7	20.2
3 2	10 53.86	+22 7.8	1.838	2.807	5.2	20.2
3 12	10 43.32	+22 19.1	1.886	2.832	7.6	20.4
3 22	10 34.14	+22 11.7	1.962	2.857	10.6	20.6
4 1	10 27.10	+21 46.4	2.061	2.880	13.5	20.8
4 11	10 22.59	+21 5.9	2.180	2.904	15.8	21.1
148016 1997 WR_{24}			3 2.4	97°.76	2°.3/ 4.5 18	
2 1	11 15.13	− 1 39.9	1.790	2.627	13.8	20.9
2 11	11 9.62	− 1 15.3	1.724	2.636	10.2	20.6
2 21	11 2.23	− 0 33.5	1.682	2.645	6.1	20.4
3 2	10 53.78	+ 0 21.6	1.667	2.653	2.6	20.2
3 12	10 45.30	+ 1 23.7	1.680	2.662	4.1	20.3
3 22	10 37.79	+ 2 25.7	1.721	2.670	8.1	20.6
4 1	10 32.07	+ 3 21.1	1.788	2.679	11.9	20.8
4 11	10 28.67	+ 4 5.3	1.876	2.687	15.1	21.0
13937 Roberthargraves			3 2.4	191°.25	4°.7/25.1 18	
2 1	11 15.52	+17 43.2	2.291	3.160	9.9	18.7
2 11	11 9.76	+19 48.9	2.227	3.158	7.1	18.6
2 21	11 2.29	+21 56.3	2.194	3.156	4.9	18.4
3 2	10 53.79	+23 55.8	2.191	3.153	5.2	18.4
3 12	10 45.12	+25 39.2	2.219	3.149	7.6	18.6
3 22	10 37.18	+27 0.9	2.276	3.145	10.4	18.7
4 1	10 30.73	+27 58.3	2.356	3.140	13.1	18.9
4 11	10 26.33	+28 32.1	2.456	3.134	15.3	19.1
459071 2012 BZ_{35}			3 2.4	81°.15	1°.2/ 1.3 18	
2 1	11 16.16	+ 6 48.2	1.533	2.401	14.0	21.3
2 11	11 10.49	+ 7 51.0	1.482	2.416	9.7	21.1
2 21	11 2.71	+ 9 5.1	1.455	2.431	4.9	20.9
3 2	10 53.80	+10 22.2	1.455	2.445	1.3	20.6
3 12	10 44.97	+11 33.3	1.483	2.460	5.5	21.0
3 22	10 37.36	+12 31.1	1.538	2.475	10.0	21.2
4 1	10 31.84	+13 11.0	1.616	2.489	13.9	21.5
4 11	10 28.93	+13 31.7	1.714	2.503	17.2	21.8
363882 2005 SJ_{65}			3 2.4	162°.08	2°.1/ 3.9 18	
2 1	11 20.28	− 0 5.7	1.677	2.514	14.5	21.7
2 11	11 13.37	+ 0 7.2	1.607	2.520	10.6	21.5
2 21	11 4.27	+ 0 36.4	1.561	2.525	6.3	21.3
3 2	10 53.87	+ 1 18.3	1.542	2.530	2.3	21.0
3 12	10 43.39	+ 2 6.6	1.552	2.534	4.5	21.2
3 22	10 34.01	+ 2 54.5	1.591	2.537	8.9	21.4
4 1	10 26.70	+ 3 36.0	1.654	2.539	13.0	21.7
4 11	10 22.06	+ 4 6.6	1.739	2.541	16.4	21.9
14094 Garneau			3 2.4	167°.29	1°.3/29.9 18	
2 1	11 13.94	+ 8 57.7	2.191	3.052	10.6	19.3
2 11	11 8.57	+ 9 44.1	2.122	3.054	7.3	19.1
2 21	11 1.62	+10 37.1	2.080	3.055	3.7	18.9
3 2	10 53.77	+11 31.4	2.067	3.056	1.4	18.7
3 12	10 45.87	+12 21.1	2.083	3.057	4.5	18.9
3 22	10 38.74	+13 1.5	2.128	3.058	8.1	19.1
4 1	10 33.10	+13 29.4	2.199	3.058	11.3	19.3
4 11	10 29.41	+13 43.3	2.290	3.059	14.0	19.5
520291 2014 FT_{18}			3 2.4	283°.62	3°.1/ 5.8 17	
2 1	11 12.72	− 4 42.5	2.379	3.193	11.6	20.9
2 11	11 7.67	− 4 39.0	2.296	3.190	8.8	20.7
2 21	11 1.16	− 4 20.7	2.237	3.187	5.9	20.5
3 2	10 53.77	− 3 49.4	2.206	3.185	3.4	20.4
3 12	10 46.27	− 3 8.8	2.205	3.182	3.9	20.4
3 22	10 39.42	− 2 23.4	2.232	3.180	6.6	20.6
4 1	10 33.88	− 1 38.3	2.286	3.177	9.6	20.7
4 11	10 30.12	− 0 58.0	2.364	3.175	12.3	20.9
206857 2004 FZ_{51}			3 2.4	295°.82	0°.4/ 1.9 17	
2 1	11 11.93	+ 5 40.8	2.134	2.992	11.0	20.8
2 11	11 7.30	+ 6 28.1	2.049	2.978	7.7	20.6
2 21	11 1.04	+ 7 25.9	1.991	2.965	4.0	20.3
3 2	10 53.77	+ 8 29.3	1.960	2.951	0.4	20.0
3 12	10 46.33	+ 9 31.9	1.960	2.938	4.1	20.3
3 22	10 39.56	+10 28.0	1.987	2.925	8.0	20.5
4 1	10 34.23	+11 12.8	2.040	2.912	11.5	20.7
4 11	10 30.86	+11 43.5	2.115	2.899	14.5	20.9
345618 2006 SC_{228}			3 2.4	104°.61	0°.0/ 2.4 17	
2 1	11 14.82	+ 5 46.0	2.408	3.256	10.3	21.9
2 11	11 9.01	+ 6 2.9	2.342	3.266	7.2	21.7
2 21	11 1.79	+ 6 27.0	2.303	3.275	3.8	21.5
3 2	10 53.80	+ 6 54.8	2.293	3.284	0.2	21.2
3 12	10 45.82	+ 7 22.1	2.314	3.293	3.5	21.5
3 22	10 38.58	+ 7 45.3	2.363	3.302	6.8	21.8
4 1	10 32.72	+ 8 1.4	2.439	3.311	9.9	22.0
4 11	10 28.67	+ 8 8.5	2.539	3.319	12.4	22.2

153025 2000 NK_{23} 3 2.4 200°.32 1°.2/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.96	+ 8 46.9	2.324	3.180	10.3	20.8
2 11	11 9.96	+ 9 30.1	2.247	3.176	7.2	20.6
2 21	11 2.36	+10 19.9	2.197	3.171	3.7	20.4
3 2	10 53.83	+11 11.2	2.177	3.166	1.2	20.2
3 12	10 45.19	+11 58.6	2.187	3.161	4.3	20.4
3 22	10 37.27	+12 37.5	2.226	3.154	7.9	20.6
4 1	10 30.80	+13 4.8	2.292	3.148	11.0	20.8
4 11	10 26.26	+13 18.8	2.380	3.140	13.7	21.0

439753 2015 FZ_{325} 3 2.4 103°.59 5°.8/24.7 17

2 1	11 15.12	+24 23.4	2.289	3.158	9.9	20.6
2 11	11 9.39	+25 29.6	2.237	3.161	7.5	20.5
2 21	11 2.04	+26 29.8	2.213	3.163	5.9	20.4
3 2	10 53.81	+27 17.2	2.217	3.166	6.2	20.4
3 12	10 45.60	+27 46.8	2.248	3.169	8.1	20.5
3 22	10 38.27	+27 56.2	2.306	3.171	10.5	20.7
4 1	10 32.53	+27 45.4	2.387	3.174	12.8	20.9
4 11	10 28.82	+27 16.5	2.486	3.176	14.9	21.0

4320 Jarosewich 3 2.4 44°.39 2°.8/ 4.5 18

2 1	11 14.45	− 2 46.8	1.145	2.004	18.4	17.7
2 11	11 9.85	− 2 3.7	1.091	2.013	13.6	17.4
2 21	11 2.61	− 0 52.7	1.056	2.023	8.1	17.1
3 2	10 53.84	+ 0 39.5	1.046	2.034	3.2	16.9
3 12	10 45.08	+ 2 21.0	1.061	2.045	5.3	17.0
3 22	10 37.77	+ 3 58.8	1.100	2.056	10.7	17.3
4 1	10 33.02	+ 5 22.2	1.161	2.068	15.6	17.7
4 11	10 31.40	+ 6 24.6	1.241	2.080	19.6	17.9

325192 2008 FP_{106} 3 2.4 73°.97 0°.4/ 2.1 18

2 1	11 15.06	+ 4 58.3	1.632	2.495	13.6	21.0
2 11	11 9.70	+ 5 49.4	1.574	2.504	9.5	20.8
2 21	11 2.33	+ 6 53.3	1.539	2.514	4.9	20.6
3 2	10 53.84	+ 8 3.1	1.532	2.523	0.4	20.2
3 12	10 45.36	+ 9 10.6	1.554	2.533	4.8	20.6
3 22	10 37.97	+10 8.6	1.602	2.543	9.3	20.9
4 1	10 32.53	+10 52.1	1.674	2.553	13.2	21.1
4 11	10 29.54	+11 18.4	1.767	2.562	16.5	21.4

391288 2006 SB_{231} 3 2.4 74°.75 2°.7/28.9 17

2 1	11 17.95	+15 21.8	2.245	3.109	10.3	21.4
2 11	11 11.24	+15 41.0	2.189	3.120	7.2	21.2
2 21	11 2.96	+15 59.9	2.160	3.132	4.0	21.0
3 2	10 53.87	+16 14.1	2.161	3.143	2.8	21.0
3 12	10 44.88	+16 19.3	2.191	3.155	5.3	21.1
3 22	10 36.83	+16 13.5	2.250	3.166	8.4	21.3
4 1	10 30.40	+15 55.7	2.334	3.178	11.3	21.5
4 11	10 26.01	+15 26.4	2.440	3.189	13.7	21.7

422435 2014 SQ_{299} 3 2.4 85°.06 1°.4/ 1.2 18

2 1	11 19.97	+ 9 28.0	1.832	2.692	12.4	22.1
2 11	11 12.75	+10 2.0	1.790	2.720	8.6	21.9
2 21	11 3.75	+10 41.4	1.774	2.749	4.3	21.7
3 2	10 53.90	+11 20.3	1.787	2.777	1.5	21.6
3 12	10 44.28	+11 52.9	1.830	2.804	4.9	21.9
3 22	10 35.88	+12 15.2	1.900	2.831	8.8	22.2
4 1	10 29.45	+12 24.7	1.996	2.857	12.2	22.4
4 11	10 25.38	+12 21.1	2.112	2.883	14.9	22.7

85550 1997 YW 3 2.4 102°.76 5°.9/ 8.1 18

2 1	11 16.92	−11 43.2	1.996	2.776	14.7	18.4
2 11	11 10.74	−11 56.5	1.930	2.794	11.8	18.3
2 21	11 2.80	−11 47.5	1.888	2.811	8.8	18.1
3 2	10 53.87	−11 16.9	1.871	2.828	6.4	18.0
3 12	10 44.94	−10 28.6	1.882	2.845	6.1	18.0
3 22	10 36.95	− 9 28.7	1.921	2.862	8.1	18.2
4 1	10 30.68	− 8 24.3	1.987	2.878	10.9	18.4
4 11	10 26.62	− 7 22.5	2.075	2.893	13.6	18.6

203613 2002 EF_{81} 3 2.4 63°.13 1°.0/ 3.1 18

2 1	11 18.07	+ 1 59.2	1.286	2.148	16.5	20.5
2 11	11 11.99	+ 2 37.8	1.244	2.172	11.7	20.3
2 21	11 3.55	+ 3 34.1	1.224	2.196	6.4	20.0
3 2	10 53.90	+ 4 40.8	1.230	2.220	1.1	19.7
3 12	10 44.49	+ 5 48.2	1.262	2.244	5.0	20.1
3 22	10 36.59	+ 6 47.6	1.320	2.269	10.1	20.4
4 1	10 31.16	+ 7 32.8	1.401	2.293	14.4	20.7
4 11	10 28.64	+ 8 0.7	1.501	2.317	17.9	21.0

138763 2000 SX_{290} 3 2.4 152°.98 0°.5/ 2.9 18

2 1	11 13.26	+ 3 36.3	2.726	3.566	9.5	20.5
2 11	11 7.85	+ 3 59.4	2.653	3.572	6.7	20.3
2 21	11 1.18	+ 4 30.7	2.607	3.577	3.6	20.1
3 2	10 53.82	+ 5 6.9	2.591	3.582	0.6	19.8
3 12	10 46.42	+ 5 44.2	2.606	3.586	3.0	20.1
3 22	10 39.63	+ 6 18.9	2.650	3.591	6.1	20.3
4 1	10 34.03	+ 6 47.6	2.722	3.595	8.9	20.5
4 11	10 30.01	+ 7 8.2	2.817	3.598	11.3	20.6

455170 1999 ND_5 3 2.4 178°.75 2°.7/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.18	+12 5.5	2.061	2.920	11.3	22.6
2 11	11 13.05	+13 18.1	1.994	2.924	7.8	22.4
2 21	11 4.04	+14 35.6	1.954	2.926	4.3	22.2
3 2	10 53.93	+15 50.8	1.944	2.927	2.9	22.1
3 12	10 43.74	+16 56.1	1.965	2.927	5.9	22.3
3 22	10 34.48	+17 46.2	2.014	2.926	9.5	22.5
4 1	10 26.98	+18 18.4	2.089	2.923	12.8	22.7
4 11	10 21.78	+18 32.2	2.185	2.919	15.5	22.9

286669 2002 EK_{123} 3 2.4 273°.28 0°.9/ 3.1 16

2 1	11 16.34	+ 2 14.1	1.623	2.476	14.1	21.3
2 11	11 10.94	+ 2 46.7	1.532	2.456	10.3	21.0
2 21	11 3.20	+ 3 36.2	1.465	2.436	5.7	20.7
3 2	10 53.91	+ 4 38.0	1.425	2.415	1.1	20.3
3 12	10 44.22	+ 5 44.5	1.413	2.395	4.7	20.6
3 22	10 35.37	+ 6 47.8	1.427	2.373	9.7	20.8
4 1	10 28.48	+ 7 40.6	1.466	2.352	14.3	21.0
4 11	10 24.29	+ 8 18.0	1.525	2.331	18.2	21.2

186265 2001 YS_{67} 3 2.4 106°.35 3°.2/28.1 18

2 1	11 17.37	+14 27.3	2.073	2.940	10.9	20.4
2 11	11 10.90	+15 32.7	2.030	2.963	7.5	20.2
2 21	11 2.81	+16 39.3	2.013	2.985	4.3	20.1
3 2	10 53.89	+17 40.2	2.026	3.006	3.4	20.1
3 12	10 45.10	+18 29.2	2.069	3.027	6.0	20.3
3 22	10 37.33	+19 2.4	2.139	3.047	9.2	20.5
4 1	10 31.27	+19 18.5	2.234	3.067	12.1	20.7
4 11	10 27.34	+19 17.9	2.349	3.086	14.5	20.9

190332 1998 RC_{60} 3 2.4 158°.57 0°.5/ 2.8 18

2 1	11 20.24	+ 3 36.3	1.808	2.654	13.3	20.9
2 11	11 13.22	+ 4 5.0	1.741	2.662	9.4	20.7
2 21	11 4.16	+ 4 45.9	1.699	2.669	5.1	20.4
3 2	10 53.95	+ 5 34.2	1.685	2.676	0.6	20.1
3 12	10 43.70	+ 6 23.3	1.701	2.681	4.3	20.4
3 22	10 34.51	+ 7 7.2	1.745	2.686	8.7	20.6
4 1	10 27.26	+ 7 41.2	1.816	2.690	12.5	20.9
4 11	10 22.51	+ 8 2.4	1.907	2.694	15.7	21.1

435019 2006 VT_{69} 3 2.4 197°.36 4°.2/ 7.8 17

2 1	11 11.90	−10 39.4	2.813	3.589	11.0	21.1
2 11	11 6.96	−10 34.0	2.724	3.587	8.8	20.9
2 21	11 0.77	−10 12.4	2.659	3.584	6.5	20.8
3 2	10 53.82	− 9 35.5	2.621	3.581	4.6	20.7
3 12	10 46.77	− 8 46.3	2.613	3.578	4.4	20.6
3 22	10 40.25	− 7 48.9	2.634	3.575	6.1	20.7
4 1	10 34.85	− 6 48.4	2.683	3.572	8.5	20.9
4 11	10 30.98	− 5 49.7	2.757	3.568	10.8	21.0

417460 2006 QB_{51} 3 2.4 242°.27 0°.3/ 2.6 16

2 1	11 19.93	+ 5 6.1	1.994	2.840	12.2	22.0
2 11	11 13.09	+ 5 19.7	1.901	2.823	8.7	21.7
2 21	11 4.19	+ 5 43.0	1.834	2.805	4.7	21.5
3 2	10 53.96	+ 6 12.3	1.796	2.787	0.4	21.1
3 12	10 43.42	+ 6 42.5	1.788	2.768	4.2	21.4
3 22	10 33.64	+ 7 8.7	1.809	2.748	8.6	21.6
4 1	10 25.59	+ 7 26.8	1.856	2.727	12.5	21.8
4 11	10 19.91	+ 7 34.0	1.924	2.706	15.8	21.9

285364 1999 TX_{61} 3 2.4 60°.85 0°.8/ 2.9 18

2 1	11 17.53	+ 2 37.9	1.236	2.103	16.7	20.8
2 11	11 11.94	+ 3 11.3	1.179	2.109	12.0	20.5
2 21	11 3.71	+ 4 3.4	1.142	2.115	6.5	20.2
3 2	10 53.94	+ 5 7.5	1.131	2.122	1.0	19.9
3 12	10 44.14	+ 6 13.6	1.146	2.129	5.4	20.2
3 22	10 35.76	+ 7 12.4	1.186	2.136	10.8	20.5
4 1	10 29.92	+ 7 56.8	1.248	2.143	15.6	20.8
4 11	10 27.23	+ 8 22.8	1.328	2.150	19.5	21.1

360757 2004 XQ_{134} 3 2.4 78°.22 5°.3/27.4 18

2 1	11 19.87	+17 25.8	1.417	2.298	14.1	20.3
2 11	11 13.26	+18 33.3	1.375	2.312	9.9	20.1
2 21	11 4.24	+19 39.4	1.356	2.326	6.3	19.9
3 2	10 53.96	+20 34.0	1.364	2.340	5.6	19.9
3 12	10 43.87	+21 8.9	1.399	2.354	8.7	20.1
3 22	10 35.28	+21 20.3	1.458	2.367	12.6	20.3
4 1	10 29.17	+21 8.2	1.539	2.381	16.1	20.6
4 11	10 25.99	+20 35.5	1.637	2.395	19.1	20.8

254513 2005 EL_{87} 3 2.4 256°.79 0°.2/ 2.2 17

2 1	11 16.74	+ 5 12.9	1.836	2.691	12.6	21.8
2 11	11 10.99	+ 5 52.8	1.746	2.673	9.0	21.6
2 21	11 3.14	+ 6 45.2	1.681	2.654	4.7	21.3
3 2	10 53.93	+ 7 44.8	1.644	2.635	0.3	20.9
3 12	10 44.40	+ 8 44.6	1.637	2.616	4.7	21.2
3 22	10 35.65	+ 9 37.9	1.657	2.596	9.2	21.4
4 1	10 28.67	+10 19.1	1.702	2.576	13.3	21.6
4 11	10 24.13	+10 45.0	1.768	2.555	16.8	21.8

427196 2014 VS_{21} 3 2.4 64°.13 0°.4/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.11	+ 3 10.3	1.630	2.488	13.8	21.7
2 11	11 9.69	+ 3 52.8	1.576	2.503	9.8	21.5
2 21	11 2.32	+ 4 49.2	1.546	2.518	5.2	21.3
3 2	10 53.90	+ 5 53.4	1.543	2.534	0.5	21.0
3 12	10 45.54	+ 6 57.6	1.568	2.549	4.4	21.3
3 22	10 38.29	+ 7 54.6	1.620	2.565	8.9	21.6
4 1	10 32.99	+ 8 39.2	1.696	2.581	12.8	21.9
4 11	10 30.11	+ 9 8.3	1.794	2.597	16.0	22.1

457195 2008 HQ_{16} 3 2.4 280°.56 2°.6/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.10	− 1 27.8	1.849	2.683	13.5	21.2
2 11	11 10.62	− 1 18.8	1.748	2.658	10.1	20.9
2 21	11 3.00	− 0 53.0	1.671	2.632	6.3	20.6
3 2	10 53.93	− 0 12.6	1.621	2.607	2.8	20.3
3 12	10 44.45	+ 0 37.5	1.599	2.580	4.4	20.4
3 22	10 35.63	+ 1 30.9	1.605	2.554	8.6	20.6
4 1	10 28.52	+ 2 20.9	1.637	2.527	12.8	20.7
4 11	10 23.83	+ 3 1.9	1.690	2.500	16.5	20.9

116520 2004 BC_{44} 3 2.4 338°.31 2°.5/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.17	+11 31.9	2.005	2.878	10.9	19.3
2 11	11 7.52	+12 40.4	1.938	2.875	7.5	19.1
2 21	11 1.18	+13 54.8	1.897	2.872	4.1	18.9
3 2	10 53.86	+15 8.3	1.884	2.869	2.7	18.8
3 12	10 46.45	+16 13.4	1.900	2.867	5.7	18.9
3 22	10 39.85	+17 4.7	1.944	2.864	9.3	19.1
4 1	10 34.80	+17 38.8	2.011	2.862	12.5	19.3
4 11	10 31.83	+17 54.5	2.099	2.860	15.3	19.5

230485 2002 TH_{76} 3 2.4 80°.37 3°.4/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.69	− 3 14.9	1.300	2.144	17.5	20.3
2 11	11 12.55	− 2 57.8	1.248	2.161	13.1	20.1
2 21	11 3.95	− 2 16.7	1.217	2.179	8.1	19.9
3 2	10 53.98	− 1 16.3	1.212	2.197	3.8	19.7
3 12	10 44.11	− 0 5.4	1.232	2.214	5.2	19.8
3 22	10 35.70	+ 1 6.3	1.278	2.231	9.9	20.1
4 1	10 29.76	+ 2 9.8	1.348	2.248	14.3	20.4
4 11	10 26.83	+ 2 59.0	1.437	2.265	18.0	20.7

327404 2005 VU_{22} 3 2.4 263°.08 0°.1/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.96	+ 3 56.7	1.933	2.785	12.2	21.8
2 11	11 9.66	+ 4 39.8	1.842	2.767	8.7	21.5
2 21	11 2.42	+ 5 36.1	1.777	2.750	4.7	21.2
3 2	10 53.93	+ 6 40.8	1.740	2.732	0.3	20.9
3 12	10 45.17	+ 7 47.1	1.733	2.713	4.3	21.1
3 22	10 37.14	+ 8 48.2	1.753	2.694	8.6	21.4
4 1	10 30.74	+ 9 38.2	1.799	2.675	12.6	21.6
4 11	10 26.60	+10 13.7	1.866	2.656	15.9	21.7

246384 2007 UW_{11} 3 2.4 145°.13 5°.8/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.66	+27 57.8	2.826	3.685	8.6	20.4
2 11	11 9.56	+29 10.5	2.785	3.695	6.8	20.3
2 21	11 2.11	+30 15.4	2.771	3.705	5.8	20.2
3 2	10 53.92	+31 6.8	2.787	3.715	6.2	20.3
3 12	10 45.77	+31 40.7	2.831	3.724	7.7	20.4
3 22	10 38.38	+31 55.4	2.901	3.732	9.6	20.5
4 1	10 32.36	+31 51.2	2.994	3.741	11.4	20.6
4 11	10 28.10	+31 30.1	3.107	3.748	13.0	20.8

420382 2012 BV_{147} 3 2.4 314°.16 4°.0/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.30	− 3 57.7	1.508	2.345	15.9	21.0
2 11	11 10.25	− 4 0.2	1.428	2.336	12.1	20.7
2 21	11 2.85	− 3 41.0	1.370	2.328	7.9	20.5
3 2	10 53.96	− 3 2.1	1.338	2.320	4.4	20.2
3 12	10 44.79	− 2 9.2	1.331	2.312	5.3	20.3
3 22	10 36.62	− 1 9.9	1.351	2.304	9.4	20.5
4 1	10 30.52	− 0 12.7	1.395	2.297	13.8	20.7
4 11	10 27.19	+ 0 35.4	1.458	2.290	17.6	20.9

143535 2003 EZ_{22} 3 2.4 284°.13 1°.1/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.60	+ 8 35.6	2.318	3.179	10.1	19.5
2 11	11 7.68	+ 9 17.5	2.237	3.168	7.0	19.3
2 21	11 1.24	+10 6.4	2.183	3.158	3.6	19.0
3 2	10 53.89	+10 57.3	2.158	3.147	1.2	18.8
3 12	10 46.41	+11 45.1	2.162	3.137	4.2	19.0
3 22	10 39.59	+12 24.9	2.195	3.126	7.7	19.2
4 1	10 34.11	+12 53.3	2.253	3.116	10.9	19.4
4 11	10 30.47	+13 8.6	2.333	3.105	13.6	19.6

420596 2012 HF_{40} 3 2.4 328°.17 2°.7/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.18	+ 2 18.5	1.367	2.225	16.0	19.7
2 11	11 13.28	+ 1 36.6	1.283	2.207	11.9	19.4
2 21	11 4.60	+ 1 6.8	1.221	2.189	7.1	19.1
3 2	10 54.04	+ 0 48.2	1.185	2.172	2.9	18.8
3 12	10 43.04	+ 0 37.5	1.174	2.157	5.4	18.9
3 22	10 33.10	+ 0 30.5	1.189	2.142	10.6	19.1
4 1	10 25.56	+ 0 22.4	1.227	2.128	15.4	19.3
4 11	10 21.23	+ 0 8.9	1.284	2.115	19.6	19.6

412618 2014 OA_{102} 3 2.4 284°.56 1°.9/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.23	+ 6 51.6	1.428	2.301	14.5	21.2
2 11	11 10.48	+ 8 12.3	1.340	2.276	10.2	20.9
2 21	11 3.13	+ 9 51.3	1.275	2.251	5.3	20.5
3 2	10 53.98	+11 39.6	1.236	2.226	2.0	20.2
3 12	10 44.32	+13 25.1	1.225	2.200	6.7	20.5
3 22	10 35.54	+14 56.2	1.240	2.174	12.1	20.7
4 1	10 28.93	+16 4.7	1.277	2.148	17.0	20.9
4 11	10 25.35	+16 47.0	1.331	2.122	21.1	21.1

219590 2001 TQ_{18} 3 2.4 184°.95 2°.5/28.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.98	+13 14.9	2.372	3.233	9.9	21.9
2 11	11 10.66	+14 8.2	2.303	3.234	6.9	21.7
2 21	11 2.77	+15 4.3	2.261	3.233	3.8	21.5
3 2	10 53.97	+15 57.7	2.249	3.232	2.7	21.4
3 12	10 45.11	+16 42.8	2.268	3.230	5.2	21.6
3 22	10 37.00	+17 15.6	2.315	3.228	8.4	21.7
4 1	10 30.37	+17 34.0	2.389	3.224	11.3	21.9
4 11	10 25.69	+17 37.4	2.483	3.220	13.8	22.1

176519 2001 YY_{77} 3 2.4 115°.93 2°.3/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.55	+13 27.2	2.617	3.481	9.0	21.0
2 11	11 8.09	+14 17.3	2.562	3.494	6.2	20.8
2 21	11 1.34	+15 9.3	2.534	3.507	3.4	20.7
3 2	10 53.91	+15 58.3	2.537	3.519	2.5	20.6
3 12	10 46.52	+16 39.6	2.569	3.532	4.7	20.8
3 22	10 39.83	+17 10.0	2.631	3.544	7.5	21.0
4 1	10 34.42	+17 27.6	2.718	3.555	10.1	21.2
4 11	10 30.67	+17 32.0	2.827	3.567	12.2	21.4

425516 2010 JX_{177} 3 2.4 51°.28 5°.6/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.72	+21 27.0	1.992	2.868	10.8	20.1
2 11	11 9.30	+22 43.1	1.943	2.873	8.0	19.9
2 21	11 2.11	+23 55.2	1.919	2.879	5.9	19.8
3 2	10 53.94	+24 55.5	1.924	2.884	6.0	19.8
3 12	10 45.80	+25 37.4	1.956	2.889	8.2	19.9
3 22	10 38.62	+25 57.9	2.014	2.895	11.1	20.1
4 1	10 33.19	+25 56.6	2.094	2.901	13.8	20.3
4 11	10 29.97	+25 35.3	2.193	2.907	16.0	20.5

188036 2001 UD_{154} 3 2.4 111°.01 8°.6/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.42	+30 20.6	1.874	2.737	12.1	19.9
2 11	11 13.39	+31 41.3	1.838	2.746	9.8	19.8
2 21	11 4.26	+32 48.5	1.826	2.756	8.6	19.7
3 2	10 54.02	+33 33.5	1.842	2.765	9.2	19.7
3 12	10 43.96	+33 50.7	1.883	2.774	11.0	19.9
3 22	10 35.20	+33 39.5	1.947	2.783	13.4	20.0
4 1	10 28.64	+33 2.3	2.033	2.791	15.7	20.2
4 11	10 24.72	+32 4.0	2.135	2.800	17.6	20.4

433051 2012 SY_{57} 3 2.4 105°.26 5°.4/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.05	+24 27.5	2.383	3.247	9.8	21.0
2 11	11 11.33	+25 11.2	2.335	3.256	7.4	20.8
2 21	11 3.06	+25 48.1	2.314	3.265	5.6	20.7
3 2	10 53.98	+26 12.6	2.321	3.274	5.7	20.8
3 12	10 45.01	+26 20.6	2.357	3.283	7.4	20.9
3 22	10 37.00	+26 10.7	2.420	3.292	9.8	21.0
4 1	10 30.60	+25 43.5	2.507	3.300	12.1	21.2
4 11	10 26.25	+25 1.2	2.614	3.309	14.1	21.4

415345 2013 JJ_{21} 3 2.4 311°.20 5°.3/ 6.8 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.32	− 8 32.8	1.359	2.189	17.7	20.8
2 11	11 7.78	− 8 7.2	1.266	2.166	14.0	20.5
2 21	11 1.73	− 7 8.6	1.192	2.143	9.8	20.2
3 2	10 53.94	− 5 37.9	1.143	2.120	6.0	19.9
3 12	10 45.66	− 3 42.4	1.118	2.098	6.1	19.8
3 22	10 38.26	− 1 34.2	1.119	2.077	10.3	20.0
4 1	10 33.00	+ 0 32.6	1.143	2.056	15.2	20.2
4 11	10 30.74	+ 2 25.3	1.187	2.036	19.7	20.4

171957 2001 TR_{11} 3 2.4 96°.40 0°.4/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.91	+ 6 28.8	2.308	3.162	10.5	20.5
2 11	11 8.47	+ 7 2.2	2.246	3.173	7.3	20.3
2 21	11 1.59	+ 7 43.1	2.210	3.184	3.7	20.1
3 2	10 53.93	+ 8 27.0	2.204	3.195	0.4	19.8
3 12	10 46.28	+ 9 9.0	2.227	3.205	3.7	20.1
3 22	10 39.40	+ 9 44.8	2.279	3.216	7.2	20.4
4 1	10 33.93	+10 11.1	2.357	3.226	10.3	20.6
4 11	10 30.29	+10 26.2	2.458	3.236	12.8	20.8

434929 2006 TO_{116} 3 2.4 51°.90 2°.3/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.56	+11 24.6	2.250	3.119	10.1	21.6
2 11	11 6.94	+12 36.8	2.187	3.123	6.9	21.4
2 21	11 0.84	+13 54.2	2.152	3.126	3.7	21.2
3 2	10 53.91	+15 10.2	2.145	3.130	2.5	21.1
3 12	10 46.94	+16 18.4	2.169	3.134	5.2	21.3
3 22	10 40.69	+17 13.8	2.220	3.138	8.4	21.5
4 1	10 35.83	+17 53.2	2.296	3.141	11.4	21.7
4 11	10 32.81	+18 15.6	2.394	3.145	13.9	21.9

387372 2012 XX_{113} 3 2.4 162°.14 5°.1/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 13.57	−14 48.9	3.045	3.787	11.0	22.0
2 11	11 8.06	−14 58.3	2.960	3.793	9.1	21.9
2 21	11 1.35	−14 51.0	2.899	3.799	7.1	21.7
3 2	10 53.93	−14 27.3	2.865	3.804	5.5	21.6
3 12	10 46.44	−13 49.3	2.860	3.808	5.2	21.6
3 22	10 39.47	−13 0.6	2.884	3.812	6.3	21.7
4 1	10 33.59	−12 5.7	2.936	3.816	8.1	21.8
4 11	10 29.20	−11 9.6	3.013	3.819	10.1	22.0

13360 1998 UD_8 3 2.4 230°.54 1°.5/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.34	+ 9 32.4	2.110	2.973	10.9	17.5
2 11	11 8.98	+10 17.4	2.038	2.971	7.5	17.3
2 21	11 1.96	+11 8.9	1.993	2.968	3.9	17.0
3 2	10 53.96	+12 1.4	1.977	2.965	1.6	16.8
3 12	10 45.89	+12 48.8	1.989	2.962	4.7	17.1
3 22	10 38.60	+13 26.4	2.030	2.959	8.4	17.3
4 1	10 32.84	+13 50.8	2.096	2.956	11.7	17.5
4 11	10 29.13	+14 0.7	2.183	2.953	14.5	17.7

373982 2003 YZ_{141} 3 2.4 43°.28 2°.2/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.63	+12 1.6	1.615	2.487	13.2	20.2
2 11	11 12.04	+12 21.8	1.575	2.511	9.1	20.0
2 21	11 3.50	+12 45.3	1.560	2.535	4.7	19.8
3 2	10 54.02	+13 6.0	1.572	2.560	2.3	19.7
3 12	10 44.80	+13 18.5	1.612	2.585	5.6	20.0
3 22	10 36.91	+13 19.5	1.679	2.611	9.6	20.2
4 1	10 31.14	+13 7.6	1.769	2.637	13.2	20.5
4 11	10 27.88	+12 42.9	1.880	2.663	16.1	20.8

498902 2009 AT_6 3 2.4 94°.23 0°.1/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.32	+ 4 51.2	2.194	3.046	11.0	21.9
2 11	11 8.13	+ 5 36.5	2.132	3.058	7.7	21.7
2 21	11 1.44	+ 6 31.4	2.097	3.070	4.0	21.5
3 2	10 53.94	+ 7 30.9	2.090	3.081	0.2	21.2
3 12	10 46.45	+ 8 29.2	2.114	3.093	3.8	21.5
3 22	10 39.75	+ 9 20.9	2.165	3.104	7.4	21.8
4 1	10 34.51	+10 2.2	2.244	3.116	10.6	22.0
4 11	10 31.15	+10 30.7	2.344	3.127	13.3	22.2

459896 2014 LJ_{16} 3 2.4 171°.36 0°.9/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.54	+ 5 59.0	1.801	2.659	12.7	21.7
2 11	11 10.72	+ 7 3.0	1.733	2.662	8.9	21.4
2 21	11 2.94	+ 8 18.8	1.691	2.665	4.5	21.2
3 2	10 54.01	+ 9 39.4	1.677	2.667	0.9	20.9
3 12	10 44.99	+10 56.6	1.692	2.668	4.9	21.2
3 22	10 36.93	+12 3.0	1.735	2.669	9.2	21.4
4 1	10 30.70	+12 53.8	1.803	2.670	13.0	21.7
4 11	10 26.86	+13 26.6	1.892	2.670	16.2	21.9

98046 2000 RD_{29} 3 2.4 219°.70 3°.6/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.15	− 4 0.8	1.778	2.601	14.5	19.0
2 11	11 12.00	− 3 58.6	1.693	2.594	11.0	18.8
2 21	11 3.70	− 3 37.4	1.632	2.587	7.2	18.6
3 2	10 54.05	− 2 59.1	1.598	2.579	3.9	18.3
3 12	10 44.13	− 2 8.8	1.592	2.571	4.8	18.4
3 22	10 35.10	− 1 13.1	1.614	2.562	8.6	18.6
4 1	10 27.93	− 0 19.0	1.661	2.553	12.6	18.8
4 11	10 23.29	+ 0 27.3	1.730	2.543	16.1	19.0

287428 2002 WH_{24} 3 2.4 99°.17 2°.5/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.32	+12 51.8	2.187	3.055	10.4	21.3
2 11	11 8.87	+13 40.4	2.125	3.059	7.2	21.1
2 21	11 1.86	+14 32.2	2.090	3.064	3.9	20.9
3 2	10 53.97	+15 21.3	2.084	3.068	2.6	20.8
3 12	10 46.07	+16 2.3	2.107	3.073	5.3	21.0
3 22	10 38.98	+16 31.0	2.158	3.077	8.6	21.2
4 1	10 33.41	+16 45.3	2.234	3.082	11.6	21.4
4 11	10 29.82	+16 44.7	2.331	3.086	14.1	21.6

200143 1998 DA_9 3 2.4 107°.90 1°.5/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.64	+ 7 18.6	1.566	2.433	13.8	20.1
2 11	11 10.92	+ 8 24.4	1.509	2.443	9.5	19.9
2 21	11 3.07	+ 9 41.3	1.477	2.453	4.8	19.6
3 2	10 54.02	+11 1.1	1.472	2.462	1.5	19.4
3 12	10 44.98	+12 14.6	1.496	2.472	5.6	19.7
3 22	10 37.10	+13 14.3	1.546	2.481	10.1	20.0
4 1	10 31.31	+13 55.6	1.620	2.489	14.1	20.2
4 11	10 28.12	+14 17.1	1.713	2.498	17.3	20.5

450460 2005 WY_9 3 2.4 70°.61 3°.6/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.96	− 3 15.7	1.308	2.152	17.4	21.0
2 11	11 12.11	− 3 5.7	1.253	2.166	13.0	20.7
2 21	11 3.78	− 2 31.9	1.219	2.180	8.2	20.5
3 2	10 54.05	− 1 38.5	1.209	2.194	4.0	20.3
3 12	10 44.37	− 0 33.5	1.226	2.208	5.3	20.4
3 22	10 36.08	+ 0 33.4	1.269	2.222	9.9	20.7
4 1	10 30.23	+ 1 33.6	1.334	2.237	14.3	21.0
4 11	10 27.37	+ 2 20.7	1.420	2.251	18.0	21.3

495436 2014 SE_{280} 3 2.4 189°.60 1°.1/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.37	+ 7 48.4	2.047	2.903	11.5	22.6
2 11	11 11.15	+ 8 38.5	1.974	2.902	8.0	22.4
2 21	11 3.12	+ 9 37.1	1.926	2.901	4.1	22.1
3 2	10 54.03	+10 38.4	1.909	2.898	1.2	21.9
3 12	10 44.83	+11 35.7	1.921	2.895	4.7	22.1
3 22	10 36.48	+12 23.5	1.961	2.892	8.6	22.4
4 1	10 29.77	+12 57.9	2.028	2.887	12.1	22.6
4 11	10 25.26	+13 17.1	2.116	2.882	15.0	22.8

343292 2010 AE_{67} 3 2.4 132°.89 2°.2/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.38	+ 9 21.2	1.567	2.433	13.8	21.2
2 11	11 13.51	+10 28.7	1.514	2.448	9.5	21.0
2 21	11 4.41	+11 44.5	1.486	2.461	4.9	20.7
3 2	10 54.08	+12 59.9	1.486	2.474	2.3	20.6
3 12	10 43.83	+14 5.9	1.515	2.487	6.1	20.9
3 22	10 34.87	+14 55.9	1.571	2.498	10.5	21.1
4 1	10 28.14	+15 26.4	1.650	2.509	14.4	21.4
4 11	10 24.15	+15 37.1	1.749	2.519	17.6	21.6

466813 2015 BF_{128} 3 2.4 244°.01 2°.2/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.56	+11 9.4	2.036	2.904	11.0	21.4
2 11	11 9.21	+12 3.8	1.964	2.899	7.6	21.2
2 21	11 2.12	+13 3.9	1.919	2.893	4.0	21.0
3 2	10 53.99	+14 3.6	1.902	2.888	2.3	20.9
3 12	10 45.76	+14 56.1	1.914	2.883	5.4	21.0
3 22	10 38.33	+15 36.3	1.953	2.877	9.0	21.3
4 1	10 32.50	+16 1.2	2.018	2.871	12.4	21.5
4 11	10 28.80	+16 9.5	2.103	2.866	15.2	21.6

522599 2016 EZ_{247} 3 2.4 12°.16 3°.5/28.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.08	+14 19.9	1.691	2.568	12.4	21.2
2 11	11 10.49	+15 11.6	1.631	2.568	8.6	21.0
2 21	11 2.84	+16 6.1	1.596	2.569	4.9	20.8
3 2	10 54.03	+16 55.8	1.588	2.571	3.7	20.7
3 12	10 45.19	+17 33.3	1.608	2.572	6.8	20.9
3 22	10 37.43	+17 54.1	1.654	2.574	10.7	21.1
4 1	10 31.64	+17 56.1	1.723	2.576	14.2	21.3
4 11	10 28.35	+17 40.0	1.812	2.578	17.2	21.6

57217 2001 QJ_{66} 3 2.4 115°.92 2°.1/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.08	− 0 15.1	1.588	2.428	15.1	19.1
2 11	11 13.27	+ 0 0.5	1.529	2.444	11.0	18.8
2 21	11 4.28	+ 0 33.1	1.494	2.459	6.4	18.6
3 2	10 54.09	+ 1 18.5	1.485	2.473	2.4	18.4
3 12	10 43.94	+ 2 9.9	1.505	2.487	4.5	18.6
3 22	10 35.03	+ 3 0.3	1.553	2.501	8.9	18.8
4 1	10 28.27	+ 3 43.2	1.625	2.514	13.0	19.1
4 11	10 24.21	+ 4 14.5	1.718	2.526	16.4	19.4

433606 2013 YO_{78} 3 2.4 75°.83 0°.9/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.43	+ 8 54.9	2.176	3.034	10.8	20.8
2 11	11 10.31	+ 9 10.5	2.113	3.042	7.5	20.6
2 21	11 2.60	+ 9 31.5	2.077	3.051	3.9	20.4
3 2	10 54.02	+ 9 53.5	2.069	3.059	0.9	20.1
3 12	10 45.47	+10 12.4	2.091	3.068	4.1	20.4
3 22	10 37.78	+10 24.4	2.142	3.076	7.7	20.6
4 1	10 31.66	+10 27.4	2.218	3.085	10.9	20.9
4 11	10 27.55	+10 20.0	2.317	3.094	13.6	21.1

494817 2007 SD_{22} 3 2.4 203°.52 0°.1/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.33	+ 5 1.8	1.939	2.787	12.4	22.3
2 11	11 12.64	+ 5 27.7	1.859	2.782	8.8	22.1
2 21	11 3.97	+ 6 4.2	1.805	2.777	4.7	21.8
3 2	10 54.08	+ 6 46.5	1.780	2.771	0.2	21.4
3 12	10 44.03	+ 7 29.0	1.785	2.765	4.3	21.7
3 22	10 34.86	+ 8 6.0	1.818	2.757	8.5	22.0
4 1	10 27.47	+ 8 33.4	1.877	2.749	12.3	22.2
4 11	10 22.45	+ 8 48.4	1.958	2.740	15.5	22.4

331820 2003 SE_{325} 3 2.4 214°.56 1°.2/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.79	+ 0 58.4	2.457	3.289	10.6	22.0
2 11	11 9.16	+ 1 21.8	2.370	3.282	7.7	21.8
2 21	11 2.03	+ 1 56.5	2.309	3.275	4.4	21.6
3 2	10 54.00	+ 2 39.4	2.278	3.266	1.4	21.3
3 12	10 45.83	+ 3 26.3	2.276	3.258	3.3	21.5
3 22	10 38.28	+ 4 12.3	2.305	3.249	6.7	21.7
4 1	10 32.04	+ 4 53.2	2.361	3.239	9.9	21.9
4 11	10 27.58	+ 5 25.6	2.440	3.229	12.6	22.0

187143 2005 QV_{161} 3 2.4 156°.67 2°.6/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.96	+12 54.8	2.005	2.870	11.3	21.4
2 11	11 11.53	+13 40.1	1.943	2.876	7.8	21.2
2 21	11 3.30	+14 28.5	1.907	2.880	4.3	21.0
3 2	10 54.05	+15 13.9	1.900	2.885	2.8	20.9
3 12	10 44.80	+15 50.3	1.922	2.889	5.6	21.1
3 22	10 36.51	+16 13.5	1.973	2.892	9.2	21.3
4 1	10 29.96	+16 21.5	2.048	2.895	12.5	21.5
4 11	10 25.66	+16 14.2	2.144	2.898	15.2	21.7

427797 2005 GS_{48} 3 2.4 316.°64 2.°0/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 14.26	+10 52.7	1.902	2.772	11.6	21.1
2 11	11 9.13	+11 32.8	1.827	2.762	8.0	20.9
2 21	11 2.13	+12 18.9	1.776	2.752	4.2	20.6
3 2	10 54.01	+13 5.1	1.754	2.742	2.1	20.5
3 12	10 45.74	+13 44.9	1.760	2.732	5.4	20.7
3 22	10 38.31	+14 13.4	1.793	2.723	9.3	20.9
4 1	10 32.57	+14 27.3	1.851	2.714	12.9	21.1
4 11	10 29.07	+14 25.5	1.929	2.706	15.9	21.3

196913 2003 TX_{33} 3 2.4 307.°37 1.°6/29.9 17

2 1	11 14.58	+ 9 31.2	1.964	2.829	11.5	20.8
2 11	11 9.25	+10 15.7	1.895	2.828	7.9	20.6
2 21	11 2.14	+11 7.1	1.851	2.826	4.1	20.4
3 2	10 54.01	+11 59.5	1.836	2.825	1.7	20.2
3 12	10 45.80	+12 46.5	1.850	2.824	5.0	20.4
3 22	10 38.45	+13 23.1	1.891	2.822	8.8	20.6
4 1	10 32.74	+13 45.7	1.958	2.821	12.3	20.8
4 11	10 29.20	+13 53.2	2.045	2.820	15.2	21.0

459935 2014 NB_{1} 3 2.4 245.°55 0.°3/ 2.2 17

2 1	11 17.77	+ 4 19.6	1.680	2.535	13.6	22.3
2 11	11 11.93	+ 5 13.3	1.591	2.518	9.7	22.0
2 21	11 3.77	+ 6 22.7	1.527	2.501	5.1	21.7
3 2	10 54.08	+ 7 41.6	1.491	2.482	0.3	21.3
3 12	10 44.02	+ 9 1.3	1.484	2.463	5.0	21.6
3 22	10 34.82	+10 13.3	1.504	2.444	9.9	21.9
4 1	10 27.55	+11 10.8	1.549	2.423	14.4	22.1
4 11	10 22.96	+11 49.9	1.614	2.402	18.1	22.3

93966 2000 XU_{3} 3 2.4 90.°44 0.°8/ 3.1 18

2 1	11 17.98	+ 3 38.3	1.898	2.745	12.7	19.3
2 11	11 11.54	+ 3 46.2	1.836	2.757	9.0	19.1
2 21	11 3.30	+ 4 4.8	1.800	2.770	4.9	18.9
3 2	10 54.06	+ 4 30.2	1.792	2.783	1.0	18.6
3 12	10 44.86	+ 4 57.4	1.814	2.795	3.9	18.9
3 22	10 36.66	+ 5 21.9	1.863	2.807	8.0	19.2
4 1	10 30.26	+ 5 39.6	1.938	2.819	11.6	19.4
4 11	10 26.14	+ 5 47.9	2.035	2.831	14.6	19.6

268150 2004 TS_{278} 3 2.4 6.°02 2.°9/28.7 18

2 1	11 15.35	+12 55.2	1.876	2.747	11.6	20.1
2 11	11 9.85	+13 48.8	1.812	2.747	8.0	19.9
2 21	11 2.48	+14 46.4	1.773	2.747	4.4	19.6
3 2	10 54.03	+15 41.1	1.763	2.748	3.1	19.5
3 12	10 45.54	+16 26.2	1.782	2.748	6.0	19.7
3 22	10 37.98	+16 56.8	1.827	2.748	9.8	19.9
4 1	10 32.19	+17 10.3	1.896	2.748	13.1	20.2
4 11	10 28.69	+17 6.5	1.986	2.748	16.0	20.4

209895 2005 LL_{30} 3 2.4 265.°87 1.°1/ 1.2 17

2 1	11 13.38	+ 8 25.5	2.452	3.309	9.8	21.0
2 11	11 8.25	+ 9 9.1	2.361	3.290	6.8	20.8
2 21	11 1.60	+ 9 59.8	2.297	3.271	3.5	20.5
3 2	10 54.00	+10 53.1	2.262	3.252	1.1	20.3
3 12	10 46.21	+11 43.7	2.258	3.232	4.1	20.5
3 22	10 39.00	+12 27.0	2.282	3.212	7.6	20.7
4 1	10 33.06	+12 59.3	2.333	3.192	10.7	20.8
4 11	10 28.90	+13 18.6	2.406	3.172	13.4	21.0

125704 2001 XB_{97} 3 2.4 103.°78 3.°4/ 5.0 18

2 1	11 19.01	− 3 1.5	1.525	2.359	15.9	19.7
2 11	11 12.63	− 2 55.6	1.464	2.372	11.9	19.5
2 21	11 4.00	− 2 29.3	1.426	2.385	7.5	19.3
3 2	10 54.10	− 1 46.0	1.414	2.398	3.7	19.1
3 12	10 44.20	− 0 52.1	1.429	2.410	4.9	19.2
3 22	10 35.53	+ 0 4.4	1.472	2.422	9.1	19.5
4 1	10 29.05	+ 0 56.3	1.539	2.434	13.2	19.7
4 11	10 25.32	+ 1 37.7	1.626	2.445	16.6	20.0

463254 2012 FB_{69} 3 2.4 319.°61 0.°9/ 1.6 17

2 1	11 13.46	+ 6 13.2	1.536	2.407	13.8	20.7
2 11	11 8.93	+ 7 6.2	1.461	2.396	9.7	20.5
2 21	11 2.17	+ 8 13.0	1.409	2.385	5.0	20.2
3 2	10 54.03	+ 9 26.6	1.384	2.374	1.0	19.8
3 12	10 45.66	+10 38.0	1.386	2.364	5.4	20.1
3 22	10 38.26	+11 38.8	1.413	2.355	10.3	20.4
4 1	10 32.86	+12 23.1	1.464	2.345	14.6	20.6
4 11	10 30.09	+12 47.9	1.535	2.337	18.2	20.8

329837 2004 SH_{42} 3 2.4 141.°79 1.°8/ 4.3 17

2 1	11 15.23	− 0 42.7	2.147	2.978	12.0	21.3
2 11	11 9.54	− 0 19.4	2.076	2.986	8.8	21.1
2 21	11 2.25	+ 0 17.8	2.030	2.993	5.2	20.8
3 2	10 54.04	+ 1 5.3	2.012	3.000	2.0	20.6
3 12	10 45.78	+ 1 58.1	2.024	3.006	3.6	20.8
3 22	10 38.32	+ 2 50.6	2.065	3.012	7.2	21.0
4 1	10 32.38	+ 3 37.7	2.133	3.018	10.5	21.2
4 11	10 28.43	+ 4 15.4	2.223	3.023	13.4	21.4

300309 2007 PQ_{23} 3 2.4 141.°39 3.°2/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.36	− 3 38.5	1.762	2.587	14.5	21.0
2 11	11 12.01	− 3 28.2	1.693	2.596	10.9	20.8
2 21	11 3.64	− 2 59.1	1.648	2.604	6.9	20.6
3 2	10 54.10	− 2 14.1	1.630	2.612	3.6	20.4
3 12	10 44.51	− 1 19.0	1.640	2.620	4.6	20.5
3 22	10 35.93	− 0 20.6	1.678	2.627	8.3	20.7
4 1	10 29.27	+ 0 34.2	1.742	2.633	12.1	20.9
4 11	10 25.08	+ 1 19.7	1.828	2.639	15.4	21.2

15661 3281 T_{-2} 3 2.4 192.°71 0.°0/ 2.4 18

2 1	11 17.49	+ 3 56.6	1.844	2.694	12.8	19.3
2 11	11 11.42	+ 4 49.1	1.769	2.693	9.1	19.1
2 21	11 3.36	+ 5 55.1	1.718	2.691	4.8	18.8
3 2	10 54.10	+ 7 8.7	1.697	2.688	0.2	18.4
3 12	10 44.68	+ 8 22.2	1.705	2.684	4.5	18.8
3 22	10 36.17	+ 9 28.4	1.741	2.680	8.9	19.0
4 1	10 29.47	+10 21.6	1.803	2.675	12.8	19.3
4 11	10 25.15	+10 58.7	1.885	2.669	16.0	19.5

290070 2005 QG_{71} 3 2.4 199.°14 1.°0/ 1.6 18

2 1	11 21.50	+ 7 58.8	2.041	2.890	11.8	21.9
2 11	11 14.11	+ 8 36.1	1.961	2.886	8.3	21.6
2 21	11 4.74	+ 9 21.3	1.907	2.881	4.3	21.4
3 2	10 54.16	+10 9.0	1.884	2.874	1.0	21.1
3 12	10 43.42	+10 53.0	1.891	2.866	4.7	21.4
3 22	10 33.56	+11 28.3	1.927	2.857	8.8	21.6
4 1	10 25.46	+11 51.3	1.990	2.847	12.4	21.8
4 11	10 19.72	+12 0.5	2.074	2.835	15.4	22.0

54592 2000 QA_{216} 3 2.4 304.°18 3.°5/27.8 18

2 1	11 15.39	+17 0.1	2.264	3.133	10.0	19.0
2 11	11 9.64	+17 41.2	2.199	3.131	7.0	18.8
2 21	11 2.30	+18 21.8	2.160	3.129	4.3	18.6
3 2	10 54.06	+18 56.5	2.150	3.127	3.7	18.6
3 12	10 45.78	+19 20.2	2.170	3.125	6.0	18.7
3 22	10 38.32	+19 29.9	2.217	3.123	9.0	18.9
4 1	10 32.38	+19 24.3	2.288	3.122	11.8	19.1
4 11	10 28.42	+19 4.0	2.381	3.120	14.3	19.3

329083 2011 BM_{47} 3 2.4 131.°45 1.°3/ 3.7 16

2 1	11 14.10	+ 0 24.3	1.902	2.744	12.8	21.5
2 11	11 8.95	+ 1 4.8	1.830	2.748	9.3	21.3
2 21	11 2.02	+ 2 0.7	1.784	2.751	5.3	21.1
3 2	10 54.05	+ 3 7.5	1.765	2.754	1.5	20.8
3 12	10 46.01	+ 4 18.1	1.775	2.757	3.9	21.0
3 22	10 38.82	+ 5 25.9	1.814	2.760	7.9	21.3
4 1	10 33.29	+ 6 24.5	1.878	2.763	11.7	21.5
4 11	10 29.94	+ 7 10.0	1.963	2.766	14.8	21.7

127583 2003 AG_{64} 3 2.4 173.°98 7.°3/23.6 18

2 1	11 20.35	+28 17.0	2.128	2.989	10.9	20.0
2 11	11 13.26	+29 34.3	2.080	2.992	8.7	19.9
2 21	11 4.24	+30 41.6	2.058	2.994	7.4	19.8
3 2	10 54.14	+31 31.0	2.065	2.996	7.8	19.8
3 12	10 44.09	+31 56.9	2.098	2.997	9.7	19.9
3 22	10 35.11	+31 57.7	2.157	2.997	12.1	20.1
4 1	10 28.05	+31 34.6	2.237	2.997	14.4	20.2
4 11	10 23.40	+30 51.3	2.335	2.997	16.4	20.4

435251 2007 TM_{57} 3 2.4 57.°88 1.°9/ 4.4 18

2 1	11 13.13	− 1 8.1	2.013	2.849	12.5	20.8
2 11	11 8.10	− 0 40.7	1.953	2.865	9.1	20.7
2 21	11 1.49	+ 0 1.5	1.918	2.881	5.4	20.5
3 2	10 54.03	+ 0 54.7	1.911	2.898	2.2	20.3
3 12	10 46.60	+ 1 52.9	1.932	2.914	3.6	20.4
3 22	10 40.03	+ 2 50.3	1.982	2.931	7.2	20.6
4 1	10 35.02	+ 3 41.3	2.058	2.948	10.6	20.9
4 11	10 32.00	+ 4 22.1	2.156	2.964	13.4	21.1

244205 2001 YL_{144} 3 2.4 289.°68 4.°7/27.4 18

2 1	11 16.30	+14 33.7	1.411	2.295	13.9	19.9
2 11	11 11.10	+16 0.8	1.347	2.287	9.8	19.7
2 21	11 3.38	+17 33.8	1.307	2.280	5.9	19.4
3 2	10 54.11	+19 1.2	1.293	2.272	5.1	19.4
3 12	10 44.66	+20 12.0	1.306	2.265	8.6	19.5
3 22	10 36.40	+20 58.7	1.343	2.258	13.0	19.8
4 1	10 30.45	+21 18.5	1.402	2.251	17.0	20.0
4 11	10 27.48	+21 12.2	1.477	2.244	20.4	20.2

68739 2002 EK_{38} 3 2.4 223.°00 0.°5/ 1.8 17

2 1	11 14.62	+ 6 6.0	2.346	3.197	10.4	20.9
2 11	11 9.13	+ 6 54.2	2.262	3.187	7.3	20.7
2 21	11 2.07	+ 7 51.7	2.204	3.177	3.8	20.5
3 2	10 54.06	+ 8 53.5	2.176	3.167	0.5	20.2
3 12	10 45.89	+ 9 54.0	2.178	3.155	3.9	20.4
3 22	10 38.36	+10 47.9	2.210	3.144	7.6	20.7
4 1	10 32.20	+11 31.1	2.268	3.131	10.8	20.8
4 11	10 27.91	+12 1.1	2.348	3.119	13.6	21.0

165169 2000 QN_{110} 3 2.4 228°.60 0°.6/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.94	+ 2 47.6	1.949	2.792	12.5	22.3
2 11	11 11.77	+ 3 25.9	1.859	2.779	9.0	22.1
2 21	11 3.60	+ 4 18.1	1.795	2.765	4.9	21.8
3 2	10 54.13	+ 5 19.5	1.759	2.750	0.7	21.4
3 12	10 44.39	+ 6 23.6	1.754	2.734	4.2	21.7
3 22	10 35.41	+ 7 23.7	1.777	2.718	8.5	21.9
4 1	10 28.12	+ 8 13.9	1.826	2.701	12.5	22.1
4 11	10 23.17	+ 8 50.6	1.897	2.682	15.8	22.3

417120 2005 UO_{497} 3 2.4 94°.44 0°.6/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.84	+ 0 54.7	1.857	2.703	12.9	21.1
2 11	11 8.72	+ 2 4.4	1.797	2.718	9.2	20.9
2 21	11 1.86	+ 3 29.9	1.763	2.733	5.0	20.6
3 2	10 54.05	+ 5 4.6	1.757	2.748	0.8	20.4
3 12	10 46.26	+ 6 40.0	1.781	2.762	4.0	20.6
3 22	10 39.41	+ 8 8.0	1.833	2.776	8.1	20.9
4 1	10 34.24	+ 9 22.6	1.911	2.791	11.8	21.2
4 11	10 31.24	+10 19.9	2.011	2.804	14.8	21.4

212472 2006 QQ_{47} 3 2.4 226°.52 2°.9/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.16	+13 35.5	2.031	2.895	11.2	21.1
2 11	11 12.54	+14 24.7	1.952	2.883	7.9	20.9
2 21	11 3.95	+15 17.5	1.899	2.871	4.4	20.7
3 2	10 54.15	+16 7.3	1.875	2.858	3.1	20.6
3 12	10 44.15	+16 47.7	1.881	2.844	6.0	20.7
3 22	10 35.00	+17 14.0	1.915	2.830	9.7	20.9
4 1	10 27.58	+17 23.7	1.974	2.815	13.1	21.1
4 11	10 22.49	+17 16.8	2.053	2.799	16.0	21.3

70283 1999 RK_{113} 3 2.4 188°.79 2°.7/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.60	− 4 55.6	2.118	2.931	12.8	20.7
2 11	11 9.92	− 4 11.0	2.034	2.931	9.7	20.5
2 21	11 2.52	− 3 7.2	1.975	2.929	6.1	20.3
3 2	10 54.09	− 1 47.7	1.944	2.927	3.0	20.1
3 12	10 45.52	− 0 18.8	1.944	2.924	3.9	20.1
3 22	10 37.69	+ 1 11.9	1.973	2.920	7.4	20.3
4 1	10 31.40	+ 2 37.4	2.030	2.916	10.9	20.5
4 11	10 27.17	+ 3 51.7	2.110	2.911	14.0	20.7

501013 2013 RO_{39} 3 2.4 321°.87 4°.6/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.93	+18 42.2	1.595	2.467	13.3	20.4
2 11	11 15.53	+18 54.7	1.524	2.457	9.6	20.2
2 21	11 5.62	+19 3.3	1.478	2.447	5.9	20.0
3 2	10 54.22	+19 1.2	1.460	2.438	4.8	19.9
3 12	10 42.74	+18 43.0	1.468	2.429	7.7	20.0
3 22	10 32.55	+18 6.6	1.504	2.421	11.7	20.2
4 1	10 24.72	+17 12.8	1.562	2.413	15.5	20.4
4 11	10 19.89	+16 4.3	1.640	2.405	18.8	20.6

293954 2007 TG_{32} 3 2.4 243°.56 0°.9/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.61	+ 1 28.5	1.720	2.567	13.7	21.9
2 11	11 11.03	+ 2 11.1	1.633	2.554	10.0	21.6
2 21	11 3.28	+ 3 11.0	1.571	2.540	5.6	21.4
3 2	10 54.13	+ 4 23.1	1.536	2.526	1.1	21.0
3 12	10 44.67	+ 5 39.8	1.530	2.511	4.5	21.2
3 22	10 36.05	+ 6 52.9	1.551	2.496	9.2	21.5
4 1	10 29.30	+ 7 55.2	1.598	2.481	13.5	21.7
4 11	10 25.10	+ 8 41.8	1.665	2.465	17.1	21.9

347610 2001 RF_{119} 3 2.4 179°.31 1°.1/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.43	+ 9 2.4	2.902	3.755	8.6	22.1
2 11	11 8.01	+ 9 45.2	2.829	3.756	5.9	21.9
2 21	11 1.37	+10 32.7	2.783	3.757	3.0	21.7
3 2	10 54.05	+11 21.2	2.768	3.757	1.1	21.5
3 12	10 46.67	+12 6.2	2.785	3.757	3.6	21.7
3 22	10 39.87	+12 44.3	2.831	3.757	6.5	21.9
4 1	10 34.18	+13 12.9	2.904	3.756	9.1	22.1
4 11	10 30.00	+13 30.5	3.001	3.754	11.3	22.3

94385 2001 SC_{107} 3 2.4 115°.94 1°.3/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.80	+ 2 5.1	1.614	2.460	14.6	19.7
2 11	11 13.76	+ 2 22.2	1.556	2.476	10.5	19.5
2 21	11 4.56	+ 2 53.5	1.523	2.491	5.8	19.3
3 2	10 54.18	+ 3 34.5	1.517	2.507	1.5	19.0
3 12	10 43.88	+ 4 18.5	1.539	2.521	4.4	19.2
3 22	10 34.81	+ 4 59.2	1.589	2.535	9.0	19.5
4 1	10 27.90	+ 5 31.3	1.665	2.549	13.0	19.8
4 11	10 23.67	+ 5 51.3	1.761	2.561	16.3	20.0

205285 2000 SD_{156} 3 2.4 155°.04 1°.1/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.21	+ 7 44.6	1.857	2.713	12.4	21.5
2 11	11 12.52	+ 8 26.4	1.793	2.721	8.7	21.2
2 21	11 3.89	+ 9 16.7	1.754	2.728	4.4	21.0
3 2	10 54.16	+10 9.4	1.745	2.735	1.1	20.8
3 12	10 44.41	+10 57.8	1.765	2.741	4.8	21.0
3 22	10 35.68	+11 36.3	1.813	2.746	9.0	21.3
4 1	10 28.83	+12 1.6	1.886	2.750	12.6	21.5
4 11	10 24.38	+12 11.9	1.980	2.754	15.7	21.7

117066 2004 KR_{9} 3 2.4 257°.68 2°.4/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 13.68	+13 17.5	2.470	3.335	9.4	20.1
2 11	11 8.42	+14 3.0	2.392	3.325	6.5	19.9
2 21	11 1.68	+14 51.6	2.341	3.314	3.6	19.7
3 2	10 54.07	+15 38.1	2.320	3.304	2.5	19.6
3 12	10 46.34	+16 17.5	2.329	3.293	5.0	19.7
3 22	10 39.26	+16 46.0	2.366	3.282	8.1	19.9
4 1	10 33.49	+17 1.1	2.428	3.271	10.9	20.1
4 11	10 29.51	+17 2.3	2.512	3.259	13.4	20.2

238842 2005 UX_{147} 3 2.4 24°.54 0°.0/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.55	+ 5 22.8	1.099	1.977	17.4	20.2
2 11	11 12.21	+ 5 41.0	1.046	1.983	12.3	19.9
2 21	11 4.02	+ 6 14.7	1.014	1.989	6.5	19.6
3 2	10 54.16	+ 6 56.9	1.005	1.996	0.3	19.2
3 12	10 44.33	+ 7 38.3	1.021	2.004	5.9	19.6
3 22	10 36.08	+ 8 10.8	1.061	2.013	11.6	20.0
4 1	10 30.60	+ 8 28.6	1.122	2.022	16.6	20.3
4 11	10 28.49	+ 8 29.0	1.201	2.032	20.6	20.6

466147 2012 HA_{44} 3 2.4 287°.78 4°.1/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.26	− 6 45.0	1.764	2.583	14.7	21.4
2 11	11 8.62	− 6 23.8	1.677	2.573	11.4	21.2
2 21	11 1.98	− 5 39.4	1.613	2.563	7.7	20.9
3 2	10 54.09	− 4 34.2	1.576	2.554	4.5	20.7
3 12	10 45.95	− 3 13.9	1.565	2.544	4.9	20.7
3 22	10 38.62	− 1 46.9	1.582	2.535	8.4	20.9
4 1	10 33.03	− 0 21.8	1.625	2.525	12.3	21.1
4 11	10 29.81	+ 0 53.7	1.689	2.516	15.8	21.3

156495 2002 CD_{122} 3 2.4 317°.80 1°.0/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.00	+ 2 25.1	1.655	2.511	13.7	20.0
2 11	11 9.21	+ 2 51.0	1.575	2.500	9.9	19.7
2 21	11 2.33	+ 3 32.3	1.518	2.489	5.5	19.4
3 2	10 54.12	+ 4 24.2	1.488	2.479	1.1	19.1
3 12	10 45.68	+ 5 20.1	1.486	2.468	4.4	19.3
3 22	10 38.14	+ 6 12.7	1.510	2.459	9.1	19.6
4 1	10 32.45	+ 6 55.8	1.558	2.449	13.3	19.8
4 11	10 29.27	+ 7 25.1	1.627	2.440	16.9	20.0

427711 2004 FP_{128} 3 2.4 315°.55 5°.0/26.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.81	+17 9.6	1.818	2.699	11.4	20.6
2 11	11 8.45	+18 35.5	1.728	2.665	8.2	20.3
2 21	11 2.00	+20 5.9	1.663	2.632	5.5	20.1
3 2	10 54.12	+21 31.7	1.627	2.598	5.4	20.0
3 12	10 45.84	+22 43.4	1.617	2.565	8.4	20.1
3 22	10 38.27	+23 34.2	1.633	2.533	12.1	20.2
4 1	10 32.44	+24 0.4	1.671	2.500	15.7	20.4
4 11	10 29.06	+24 1.8	1.727	2.469	18.8	20.5

432552 2010 JR_{45} 3 2.4 214°.73 5°.9/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.55	+29 16.5	2.962	3.817	8.3	22.0
2 11	11 9.61	+30 24.5	2.903	3.809	6.7	21.9
2 21	11 2.27	+31 24.9	2.872	3.801	5.9	21.9
3 2	10 54.13	+32 12.2	2.871	3.792	6.3	21.9
3 12	10 45.92	+32 42.3	2.897	3.783	7.8	22.0
3 22	10 38.38	+32 53.4	2.950	3.774	9.6	22.1
4 1	10 32.12	+32 45.5	3.025	3.764	11.4	22.2
4 11	10 27.60	+32 20.6	3.119	3.753	13.0	22.3

366887 2005 TA_{49} 3 2.4 142°.35 1°.2/ 1.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.90	+ 8 46.8	2.260	3.115	10.6	22.2
2 11	11 10.63	+ 9 31.2	2.198	3.127	7.3	22.0
2 21	11 2.82	+10 21.6	2.164	3.138	3.7	21.8
3 2	10 54.15	+11 12.8	2.159	3.148	1.3	21.6
3 12	10 45.50	+11 59.4	2.185	3.158	4.3	21.9
3 22	10 37.69	+12 36.9	2.239	3.168	7.8	22.1
4 1	10 31.40	+13 2.4	2.320	3.177	10.9	22.3
4 11	10 27.07	+13 14.8	2.423	3.185	13.5	22.5

377336 2004 PF_{50} 3 2.4 216°.31 0°.8/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.18	+ 3 35.0	2.326	3.163	11.0	21.5
2 11	11 11.63	+ 3 43.8	2.239	3.155	7.9	21.3
2 21	11 3.42	+ 4 1.7	2.178	3.147	4.4	21.1
3 2	10 54.19	+ 4 25.8	2.147	3.138	0.9	20.8
3 12	10 44.79	+ 4 52.0	2.147	3.128	3.5	21.0
3 22	10 36.08	+ 5 16.3	2.177	3.118	7.2	21.2
4 1	10 28.84	+ 5 35.0	2.233	3.107	10.6	21.4
4 11	10 23.58	+ 5 45.6	2.313	3.095	13.4	21.6

357189 2002 ER_{142} 3 2.4 288°.62 0°.9/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.55	+ 6 30.1	1.486	2.354	14.3	21.0
2 11	11 11.34	+ 7 12.9	1.400	2.333	10.2	20.7
2 21	11 3.62	+ 8 9.7	1.337	2.312	5.3	20.4
3 2	10 54.20	+ 9 14.2	1.300	2.291	0.9	20.0
3 12	10 44.35	+10 17.2	1.291	2.270	5.7	20.3
3 22	10 35.44	+11 10.5	1.307	2.248	10.9	20.5
4 1	10 28.65	+11 47.7	1.346	2.227	15.7	20.7
4 11	10 24.79	+12 5.6	1.404	2.206	19.7	20.9

277129 2005 GT_{135} 3 2.4 261.°08 2.°6/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 13.86	+13 24.7	2.511	3.375	9.3	21.4
2 11	11 8.62	+14 25.1	2.422	3.354	6.5	21.1
2 21	11 1.85	+15 29.5	2.361	3.333	3.7	20.9
3 2	10 54.12	+16 32.4	2.330	3.311	2.8	20.8
3 12	10 46.18	+17 28.0	2.328	3.289	5.2	21.0
3 22	10 38.81	+18 11.8	2.356	3.267	8.4	21.1
4 1	10 32.71	+18 40.8	2.409	3.244	11.3	21.3
4 11	10 28.40	+18 54.2	2.484	3.220	13.8	21.4

315312 2007 TU_{244} 3 2.4 146.°36 3.°6/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.99	− 4 40.3	1.790	2.610	14.5	21.0
2 11	11 11.78	− 4 33.7	1.719	2.617	11.0	20.8
2 21	11 3.58	− 4 7.7	1.671	2.624	7.2	20.5
3 2	10 54.19	− 3 24.8	1.650	2.631	4.0	20.4
3 12	10 44.73	− 2 30.4	1.658	2.637	4.7	20.4
3 22	10 36.24	− 1 31.3	1.693	2.642	8.3	20.6
4 1	10 29.63	− 0 34.6	1.755	2.647	12.0	20.9
4 11	10 25.45	+ 0 14.0	1.838	2.652	15.2	21.1

411620 2011 UJ_{27} 3 2.4 268.°99 14.°2/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.73	+43 0.3	1.632	2.456	15.5	21.0
2 11	11 21.76	+44 41.0	1.578	2.434	14.4	20.8
2 21	11 9.20	+45 56.3	1.547	2.412	14.3	20.8
3 2	10 54.44	+46 32.5	1.539	2.389	15.2	20.8
3 12	10 39.56	+46 22.1	1.551	2.366	17.1	20.8
3 22	10 26.59	+45 25.8	1.583	2.342	19.3	20.9
4 1	10 17.04	+43 50.3	1.631	2.318	21.5	21.0
4 11	10 11.56	+41 45.2	1.693	2.293	23.5	21.2

312050 2007 RD_{246} 3 2.4 185.°57 2.°5/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.60	+11 40.7	1.792	2.657	12.4	21.8
2 11	11 12.94	+12 28.4	1.725	2.657	8.6	21.6
2 21	11 4.19	+13 21.3	1.683	2.657	4.6	21.4
3 2	10 54.22	+14 12.5	1.670	2.656	2.6	21.2
3 12	10 44.17	+14 55.0	1.685	2.655	5.9	21.4
3 22	10 35.16	+15 23.6	1.729	2.653	10.0	21.7
4 1	10 28.11	+15 35.6	1.796	2.650	13.7	21.9
4 11	10 23.59	+15 30.7	1.884	2.647	16.7	22.1

87929 2000 SA_{331} 3 2.4 160.°83 2.°8/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.12	− 4 43.3	2.179	2.995	12.4	20.1
2 11	11 8.82	− 4 13.5	2.102	2.999	9.4	19.9
2 21	11 1.94	− 3 26.2	2.049	3.003	6.0	19.7
3 2	10 54.12	− 2 24.7	2.024	3.006	3.2	19.5
3 12	10 46.23	− 1 14.3	2.029	3.009	3.8	19.6
3 22	10 39.08	− 0 1.3	2.063	3.012	7.0	19.8
4 1	10 33.38	+ 1 8.0	2.124	3.014	10.3	20.0
4 11	10 29.64	+ 2 8.4	2.209	3.016	13.2	20.2

390286 2013 AH_{16} 3 2.4 204.°99 5.°1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.91	−13 56.8	2.949	3.697	11.1	21.6
2 11	11 8.44	−14 11.0	2.854	3.692	9.2	21.4
2 21	11 1.68	−14 8.6	2.783	3.687	7.2	21.3
3 2	10 54.12	−13 49.7	2.739	3.681	5.5	21.2
3 12	10 46.41	−13 16.2	2.724	3.675	5.2	21.1
3 22	10 39.20	−12 31.6	2.739	3.669	6.5	21.2
4 1	10 33.08	−11 40.3	2.781	3.662	8.5	21.3
4 11	10 28.51	−10 47.3	2.847	3.654	10.6	21.5

406540 2007 VU_{332} 3 2.4 58.°33 5.°0/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.33	− 6 30.4	1.594	2.414	16.0	20.5
2 11	11 11.55	− 6 47.9	1.523	2.417	12.5	20.3
2 21	11 3.55	− 6 43.4	1.473	2.421	8.6	20.1
3 2	10 54.20	− 6 17.9	1.449	2.424	5.5	19.9
3 12	10 44.71	− 5 36.1	1.452	2.428	5.8	19.9
3 22	10 36.27	− 4 44.7	1.482	2.431	9.1	20.1
4 1	10 29.88	− 3 51.6	1.535	2.435	12.9	20.3
4 11	10 26.16	− 3 4.1	1.610	2.439	16.3	20.6

200625 2001 SH_{113} 3 2.4 175.°36 0.°4/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.76	+ 3 44.3	1.812	2.658	13.2	21.6
2 11	11 13.02	+ 4 14.2	1.740	2.661	9.4	21.4
2 21	11 4.23	+ 4 56.6	1.693	2.664	5.1	21.1
3 2	10 54.23	+ 5 46.4	1.674	2.665	0.6	20.8
3 12	10 44.13	+ 6 37.1	1.685	2.666	4.3	21.0
3 22	10 35.03	+ 7 22.6	1.725	2.666	8.7	21.3
4 1	10 27.83	+ 7 57.9	1.790	2.666	12.7	21.5
4 11	10 23.12	+ 8 20.2	1.876	2.664	15.9	21.8

341333 2007 TV_{34} 3 2.4 130.°84 4.°6/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.65	+21 17.8	2.412	3.278	9.6	20.7
2 11	11 10.43	+22 8.9	2.359	3.286	7.0	20.6
2 21	11 2.70	+22 56.1	2.334	3.294	4.9	20.4
3 2	10 54.16	+23 33.5	2.339	3.301	4.8	20.5
3 12	10 45.67	+23 56.6	2.372	3.309	6.8	20.6
3 22	10 38.04	+24 3.2	2.432	3.316	9.3	20.8
4 1	10 31.93	+23 52.9	2.517	3.322	11.7	20.9
4 11	10 27.76	+23 27.2	2.622	3.329	13.8	21.1

437572 2014 AC_{19} 3 2.4 304.°18 0.°0/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 13.58	+ 5 17.5	2.132	2.986	11.2	21.4
2 11	11 8.53	+ 5 43.1	2.050	2.976	7.9	21.2
2 21	11 1.83	+ 6 18.2	1.994	2.966	4.2	20.9
3 2	10 54.13	+ 6 58.7	1.966	2.957	0.2	20.6
3 12	10 46.28	+ 7 39.5	1.967	2.947	3.9	20.9
3 22	10 39.13	+ 8 15.5	1.997	2.938	7.7	21.1
4 1	10 33.45	+ 8 42.8	2.052	2.929	11.2	21.3
4 11	10 29.77	+ 8 58.7	2.129	2.920	14.2	21.5

206854 2004 FT_{30} 3 2.5 109.°94 9.°8/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.36	+18 51.4	1.064	1.961	16.2	19.2
2 11	11 12.42	+22 56.4	1.030	1.970	12.0	19.0
2 21	11 4.30	+27 0.5	1.021	1.980	9.8	18.9
3 2	10 54.23	+30 36.7	1.040	1.988	11.4	19.0
3 12	10 44.06	+33 24.4	1.083	1.997	15.2	19.2
3 22	10 35.59	+35 15.3	1.148	2.005	19.3	19.5
4 1	10 30.17	+36 12.0	1.229	2.013	22.7	19.8
4 11	10 28.44	+36 23.2	1.323	2.021	25.4	20.0

133092 2003 MU_{11} 3 2.5 192.°70 0.°7/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.87	+ 2 32.2	2.009	2.850	12.3	20.9
2 11	11 11.59	+ 3 4.9	1.930	2.848	8.8	20.7
2 21	11 3.46	+ 3 50.4	1.877	2.846	4.9	20.5
3 2	10 54.20	+ 4 44.2	1.852	2.843	0.9	20.1
3 12	10 44.81	+ 5 40.4	1.858	2.839	3.9	20.4
3 22	10 36.25	+ 6 32.8	1.892	2.834	8.0	20.6
4 1	10 29.35	+ 7 16.5	1.953	2.829	11.7	20.8
4 11	10 24.69	+ 7 48.0	2.036	2.823	14.9	21.0

102622 1999 VR_{25} 3 2.5 128.°06 0.°3/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.50	+ 4 31.0	1.784	2.639	13.0	19.7
2 11	11 10.68	+ 5 27.3	1.723	2.650	9.1	19.5
2 21	11 2.97	+ 6 36.2	1.687	2.660	4.7	19.3
3 2	10 54.18	+ 7 50.9	1.679	2.670	0.3	18.9
3 12	10 45.40	+ 9 3.7	1.700	2.679	4.5	19.3
3 22	10 37.62	+10 7.5	1.749	2.689	8.8	19.6
4 1	10 31.67	+10 57.2	1.824	2.697	12.6	19.8
4 11	10 28.08	+11 30.3	1.919	2.705	15.7	20.0

335834 2007 LE_{20} 3 2.5 273.°97 3.°9/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.63	− 6 40.5	2.048	2.859	13.3	21.3
2 11	11 8.75	− 6 25.3	1.950	2.840	10.3	21.1
2 21	11 2.04	− 5 50.0	1.875	2.822	7.1	20.8
3 2	10 54.16	− 4 56.3	1.827	2.803	4.3	20.6
3 12	10 45.98	− 3 48.7	1.807	2.784	4.6	20.6
3 22	10 38.44	− 2 33.9	1.816	2.765	7.7	20.8
4 1	10 32.39	− 1 19.0	1.850	2.746	11.3	20.9
4 11	10 28.46	− 0 10.7	1.908	2.727	14.6	21.1

64099 2001 SN_{346} 3 2.5 68.°84 4.°5/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.53	− 9 30.1	2.167	2.960	13.2	19.6
2 11	11 8.33	− 9 21.7	2.105	2.981	10.4	19.5
2 21	11 1.64	− 8 53.5	2.067	3.002	7.4	19.3
3 2	10 54.13	− 8 7.8	2.056	3.023	5.0	19.2
3 12	10 46.66	− 7 9.0	2.073	3.044	4.8	19.2
3 22	10 40.02	− 6 3.1	2.118	3.065	7.0	19.4
4 1	10 34.85	− 4 56.5	2.190	3.086	9.8	19.6
4 11	10 31.59	− 3 55.0	2.286	3.106	12.4	19.8

135229 2001 RM_{126} 3 2.5 211.°05 1.°2/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.57	+ 8 20.9	2.513	3.371	9.6	20.3
2 11	11 7.62	+ 9 20.9	2.436	3.366	6.6	20.1
2 21	11 1.29	+10 28.0	2.387	3.362	3.4	19.9
3 2	10 54.13	+11 37.1	2.367	3.356	1.3	19.7
3 12	10 46.87	+12 42.4	2.379	3.351	4.1	19.9
3 22	10 40.22	+13 39.1	2.419	3.346	7.4	20.1
4 1	10 34.82	+14 23.7	2.485	3.340	10.3	20.3
4 11	10 31.11	+14 54.1	2.574	3.333	12.8	20.4

419766 2010 VA_{131} 3 2.5 137.°34 1.°7/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.68	+ 9 6.6	2.060	2.920	11.3	22.3
2 11	11 10.62	+10 11.5	2.002	2.933	7.8	22.1
2 21	11 2.87	+11 23.3	1.970	2.945	4.0	21.9
3 2	10 54.20	+12 35.3	1.968	2.957	1.8	21.7
3 12	10 45.55	+13 40.6	1.997	2.968	4.9	22.0
3 22	10 37.80	+14 33.8	2.053	2.978	8.6	22.2
4 1	10 31.69	+15 11.6	2.135	2.988	11.8	22.4
4 11	10 27.70	+15 32.9	2.239	2.997	14.5	22.7

54524 2000 QX_2 3 2.5 210.°64 0.°5/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.47	+ 4 48.9	2.272	3.112	11.1	19.1
2 11	11 12.57	+ 4 53.4	2.187	3.106	7.9	18.9
2 21	11 3.93	+ 5 5.9	2.129	3.099	4.3	18.7
3 2	10 54.25	+ 5 23.5	2.101	3.092	0.6	18.4
3 12	10 44.42	+ 5 42.2	2.103	3.084	3.6	18.6
3 22	10 35.34	+ 5 58.2	2.136	3.075	7.4	18.8
4 1	10 27.79	+ 6 8.3	2.195	3.066	10.8	19.0
4 11	10 22.31	+ 6 10.2	2.277	3.057	13.7	19.2

189230 2004 LW_{17} 3 2.5 232.°94 2.°8/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.09	+13 39.7	2.380	3.243	9.8	21.1
2 11	11 10.23	+14 42.2	2.296	3.228	6.9	20.9
2 21	11 2.73	+15 48.4	2.240	3.212	3.9	20.6
3 2	10 54.20	+16 52.4	2.215	3.196	3.0	20.6
3 12	10 45.48	+17 48.0	2.219	3.179	5.5	20.7
3 22	10 37.41	+18 30.6	2.252	3.162	8.8	20.9
4 1	10 30.74	+18 57.3	2.311	3.143	11.8	21.0
4 11	10 26.01	+19 7.6	2.391	3.124	14.4	21.2

294682 2008 AC_{108} 3 2.5 225.°83 2.°5/ 5.3 18

2 1	11 13.70	− 3 2.2	2.547	3.363	10.8	20.6
2 11	11 8.40	− 2 58.7	2.461	3.359	8.2	20.5
2 21	11 1.70	− 2 42.5	2.400	3.355	5.2	20.3
3 2	10 54.15	− 2 15.4	2.368	3.350	2.8	20.1
3 12	10 46.49	− 1 40.8	2.366	3.345	3.5	20.1
3 22	10 39.42	− 1 2.8	2.394	3.340	6.3	20.3
4 1	10 33.59	− 0 25.8	2.448	3.335	9.2	20.5
4 11	10 29.45	+ 0 6.4	2.526	3.330	11.8	20.6

464147 2014 XX_{27} 3 2.5 60.°87 1.°1/ 1.5 18

2 1	11 16.10	+ 7 46.8	1.678	2.544	13.0	21.1
2 11	11 10.52	+ 8 27.7	1.618	2.551	9.1	20.9
2 21	11 2.93	+ 9 17.9	1.582	2.557	4.7	20.6
3 2	10 54.20	+10 10.8	1.573	2.563	1.2	20.4
3 12	10 45.47	+10 59.2	1.592	2.570	5.1	20.7
3 22	10 37.79	+11 37.3	1.639	2.576	9.4	21.0
4 1	10 32.04	+12 1.1	1.709	2.583	13.2	21.2
4 11	10 28.76	+12 9.1	1.799	2.589	16.4	21.4

374607 2006 DS_{144} 3 2.5 105.°80 1.°1/ 1.5 18

2 1	11 18.82	+ 9 34.5	1.983	2.841	11.7	20.6
2 11	11 12.17	+ 9 48.1	1.918	2.847	8.1	20.4
2 21	11 3.71	+10 6.8	1.879	2.853	4.2	20.1
3 2	10 54.24	+10 26.0	1.869	2.859	1.1	19.9
3 12	10 44.78	+10 41.2	1.889	2.865	4.6	20.2
3 22	10 36.30	+10 48.5	1.937	2.871	8.4	20.4
4 1	10 29.58	+10 45.8	2.010	2.877	11.9	20.6
4 11	10 25.12	+10 32.1	2.105	2.882	14.8	20.8

495908 2005 SP_{256} 3 2.5 215.°14 0.°2/ 2.3 17

2 1	11 17.27	+ 5 45.3	2.392	3.237	10.5	23.3
2 11	11 11.00	+ 6 16.7	2.305	3.227	7.4	23.1
2 21	11 3.11	+ 6 56.6	2.245	3.217	3.9	22.9
3 2	10 54.22	+ 7 40.8	2.215	3.206	0.2	22.5
3 12	10 45.17	+ 8 24.4	2.216	3.194	3.7	22.8
3 22	10 36.78	+ 9 3.0	2.246	3.182	7.4	23.0
4 1	10 29.78	+ 9 32.8	2.304	3.168	10.6	23.2
4 11	10 24.70	+ 9 51.6	2.384	3.154	13.4	23.4

107606 2001 EL_3 3 2.5 322.°07 1.°4/ 1.5 18

2 1	11 18.07	+ 7 18.9	1.242	2.118	16.0	20.0
2 11	11 12.55	+ 8 5.1	1.178	2.115	11.2	19.7
2 21	11 4.26	+ 9 5.1	1.137	2.113	5.8	19.4
3 2	10 54.28	+10 10.4	1.121	2.111	1.4	19.1
3 12	10 44.15	+11 10.6	1.130	2.109	6.4	19.4
3 22	10 35.37	+11 57.0	1.164	2.107	11.8	19.7
4 1	10 29.17	+12 24.2	1.220	2.105	16.6	19.9
4 11	10 26.20	+12 30.3	1.294	2.104	20.6	20.2

41246 1999 XZ_{38} 3 2.5 195.°85 2.°3/28.6 17

2 1	11 14.39	+12 6.5	2.498	3.360	9.5	20.0
2 11	11 8.91	+13 11.3	2.426	3.357	6.5	19.9
2 21	11 1.97	+14 20.4	2.381	3.354	3.6	19.7
3 2	10 54.18	+15 28.1	2.367	3.350	2.4	19.6
3 12	10 46.30	+16 28.6	2.383	3.346	4.9	19.7
3 22	10 39.07	+17 17.4	2.428	3.341	8.0	19.9
4 1	10 33.15	+17 51.8	2.499	3.336	10.8	20.1
4 11	10 29.01	+18 10.8	2.591	3.330	13.2	20.3

248862 2006 UN_8 3 2.5 55.°74 5.°8/ 9.5 18

2 1	11 11.76	−14 23.7	2.356	3.119	13.2	20.0
2 11	11 7.14	−14 23.3	2.277	3.124	10.9	19.8
2 21	11 1.07	−14 1.5	2.219	3.130	8.4	19.7
3 2	10 54.14	−13 18.9	2.188	3.135	6.4	19.6
3 12	10 47.13	−12 18.9	2.184	3.141	5.9	19.5
3 22	10 40.80	−11 6.8	2.208	3.147	7.3	19.6
4 1	10 35.79	− 9 49.3	2.259	3.152	9.6	19.8
4 11	10 32.59	− 8 32.9	2.333	3.158	12.0	20.0

138560 2000 QM_{59} 3 2.5 209.°16 2.°1/28.9 18

2 1	11 16.31	+14 9.0	2.842	3.699	8.6	20.8
2 11	11 10.09	+14 36.2	2.765	3.693	6.0	20.6
2 21	11 2.54	+15 4.6	2.715	3.687	3.3	20.4
3 2	10 54.22	+15 30.1	2.697	3.680	2.2	20.3
3 12	10 45.83	+15 49.1	2.709	3.673	4.4	20.5
3 22	10 38.06	+15 58.9	2.751	3.665	7.2	20.6
4 1	10 31.51	+15 58.0	2.820	3.657	9.7	20.8
4 11	10 26.61	+15 46.1	2.912	3.649	11.9	21.0

205717 2002 AW_{84} 3 2.5 153.°91 3.°2/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.97	− 4 14.8	1.818	2.639	14.3	20.3
2 11	11 11.77	− 3 53.9	1.747	2.647	10.8	20.1
2 21	11 3.59	− 3 13.4	1.699	2.654	6.9	19.9
3 2	10 54.26	− 2 16.7	1.678	2.661	3.5	19.7
3 12	10 44.86	− 1 9.8	1.687	2.667	4.4	19.8
3 22	10 36.42	− 0 0.1	1.723	2.672	8.1	20.0
4 1	10 29.82	+ 1 5.2	1.786	2.677	11.9	20.2
4 11	10 25.62	+ 2 0.3	1.871	2.680	15.2	20.4

24441 Jopek 3 2.5 217.°06 1.°4/ 3.7 18

2 1	11 17.48	+ 0 24.2	1.730	2.572	13.9	18.8
2 11	11 11.63	+ 1 2.8	1.648	2.565	10.2	18.6
2 21	11 3.62	+ 1 58.9	1.591	2.558	5.8	18.3
3 2	10 54.27	+ 3 7.9	1.560	2.550	1.6	18.0
3 12	10 44.68	+ 4 22.3	1.559	2.541	4.3	18.2
3 22	10 35.98	+ 5 34.2	1.585	2.532	8.9	18.4
4 1	10 29.17	+ 6 36.4	1.637	2.522	13.1	18.6
4 11	10 24.89	+ 7 24.1	1.710	2.511	16.7	18.9

92503 2000 NQ_{15} 3 2.5 240.°24 1.°2/ 3.3 18

2 1	11 20.05	+ 2 50.3	1.653	2.501	14.2	19.5
2 11	11 13.54	+ 2 57.1	1.570	2.491	10.3	19.2
2 21	11 4.68	+ 3 17.3	1.512	2.481	5.8	18.9
3 2	10 54.32	+ 3 47.4	1.480	2.470	1.4	18.6
3 12	10 43.68	+ 4 21.5	1.477	2.459	4.6	18.8
3 22	10 34.00	+ 4 53.5	1.502	2.448	9.4	19.0
4 1	10 26.37	+ 5 18.2	1.551	2.436	13.7	19.3
4 11	10 21.48	+ 5 31.8	1.620	2.423	17.4	19.5

324527 2006 VN_{119} 3 2.5 79.°99 2.°2/29.6 18

2 1	11 17.52	+10 13.8	1.639	2.509	13.1	21.3
2 11	11 11.47	+11 5.8	1.589	2.524	9.0	21.1
2 21	11 3.40	+12 4.3	1.565	2.540	4.7	20.9
3 2	10 54.25	+13 1.7	1.568	2.556	2.3	20.8
3 12	10 45.22	+13 50.4	1.599	2.571	5.8	21.0
3 22	10 37.36	+14 25.2	1.656	2.586	9.9	21.3
4 1	10 31.55	+14 43.1	1.738	2.602	13.6	21.6
4 11	10 28.25	+14 43.7	1.839	2.617	16.6	21.8

265505 2005 JK_{52} 3 2.5 144.°08 5.°6/25.4 18

2 1	11 18.80	+22 2.9	2.096	2.964	10.7	21.4
2 11	11 12.15	+23 25.4	2.050	2.976	7.9	21.3
2 21	11 3.70	+24 43.0	2.031	2.987	5.9	21.2
3 2	10 54.27	+25 47.8	2.041	2.997	6.1	21.2
3 12	10 44.90	+26 33.5	2.079	3.007	8.2	21.4
3 22	10 36.54	+26 57.3	2.144	3.016	10.9	21.5
4 1	10 29.97	+26 59.0	2.232	3.024	13.5	21.7
4 11	10 25.68	+26 41.0	2.339	3.031	15.6	21.9

27229 1999 JX_{37} 3 2.5 80.°06 7.°2/11.4 18

2 1	11 13.76	−19 2.1	2.334	3.063	14.2	17.4
2 11	11 8.52	−19 14.9	2.266	3.082	12.0	17.2
2 21	11 1.77	−19 3.8	2.219	3.101	9.8	17.1
3 2	10 54.19	−18 28.6	2.197	3.120	7.9	17.0
3 12	10 46.59	−17 32.4	2.201	3.138	7.2	17.0
3 22	10 39.76	−16 20.5	2.233	3.157	8.1	17.1
4 1	10 34.38	−14 59.7	2.291	3.175	9.9	17.3
4 11	10 30.88	−13 37.6	2.373	3.193	12.0	17.4

503595 2016 GH_{70} 3 2.5 139.°08 2.°0/29.7 18

2 1	11 17.66	+11 1.9	1.917	2.781	11.8	21.4
2 11	11 11.45	+11 37.5	1.853	2.785	8.1	21.2
2 21	11 3.38	+12 17.8	1.815	2.789	4.3	21.0
3 2	10 54.26	+12 57.2	1.805	2.793	2.0	20.9
3 12	10 45.12	+13 29.8	1.825	2.796	5.2	21.1
3 22	10 36.95	+13 51.1	1.872	2.800	9.1	21.3
4 1	10 30.57	+13 58.7	1.944	2.803	12.5	21.5
4 11	10 26.48	+13 51.9	2.036	2.806	15.4	21.7

82038 2000 SF_{184} 3 2.5 246.°01 6.°9/12.0 18

2 1	11 11.98	−21 18.8	2.766	3.469	12.8	20.2
2 11	11 7.27	−21 11.4	2.659	3.455	11.0	20.0
2 21	11 1.15	−20 41.0	2.574	3.441	9.2	19.8
3 2	10 54.16	−19 46.9	2.514	3.426	7.5	19.7
3 12	10 46.99	−18 31.3	2.481	3.411	6.9	19.6
3 22	10 40.34	−16 58.8	2.476	3.396	7.6	19.7
4 1	10 34.85	−15 15.8	2.499	3.381	9.3	19.8
4 11	10 31.01	−13 29.6	2.548	3.365	11.4	19.9

459061 2012 BP_{20} 3 2.5 26.°84 0.°0/ 2.4 16

2 1	11 14.82	+ 4 24.6	1.281	2.153	15.8	21.2
2 11	11 10.04	+ 5 4.0	1.226	2.160	11.2	20.9
2 21	11 2.83	+ 5 59.2	1.194	2.168	5.9	20.6
3 2	10 54.24	+ 7 3.0	1.186	2.177	0.3	20.2
3 12	10 45.66	+ 8 5.7	1.205	2.187	5.3	20.6
3 22	10 38.40	+ 8 58.8	1.248	2.197	10.5	21.0
4 1	10 33.49	+ 9 36.2	1.314	2.208	15.1	21.2
4 11	10 31.47	+ 9 55.0	1.398	2.219	18.8	21.5

13718 Welcker 3 2.5 263°.72 2°.4/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.16	+10 40.9	1.426	2.298	14.5	18.8
2 11	11 13.92	+11 21.2	1.350	2.286	10.2	18.5
2 21	11 5.00	+12 9.8	1.298	2.274	5.4	18.2
3 2	10 54.35	+12 59.0	1.273	2.261	2.5	18.0
3 12	10 43.40	+13 39.8	1.274	2.248	6.7	18.2
3 22	10 33.61	+14 5.6	1.301	2.235	11.7	18.4
4 1	10 26.21	+14 12.7	1.351	2.221	16.3	18.7
4 11	10 21.93	+14 0.4	1.418	2.208	20.1	18.9

65609 3445 T-$_3$ 3 2.5 228°.56 0°.4/ 2.8 18

2 1	11 18.95	+ 2 58.5	1.661	2.511	14.0	21.1
2 11	11 12.80	+ 3 42.6	1.576	2.499	10.1	20.8
2 21	11 4.32	+ 4 43.1	1.516	2.487	5.5	20.5
3 2	10 54.33	+ 5 54.1	1.483	2.474	0.6	20.1
3 12	10 44.02	+ 7 7.6	1.479	2.460	4.8	20.4
3 22	10 34.62	+ 8 15.4	1.503	2.445	9.7	20.7
4 1	10 27.22	+ 9 10.6	1.551	2.430	14.1	20.9
4 11	10 22.52	+ 9 49.1	1.620	2.413	17.8	21.1

321245 2009 BV_{107} 3 2.5 97°.94 0°.9/ 1.5 17

2 1	11 14.16	+ 8 4.8	2.278	3.135	10.4	21.2
2 11	11 8.78	+ 8 39.4	2.212	3.141	7.2	21.0
2 21	11 1.92	+ 9 20.4	2.173	3.147	3.7	20.8
3 2	10 54.22	+10 3.3	2.163	3.153	0.9	20.6
3 12	10 46.50	+10 43.0	2.182	3.159	4.0	20.9
3 22	10 39.54	+11 15.3	2.230	3.164	7.5	21.1
4 1	10 34.00	+11 37.2	2.304	3.170	10.6	21.3
4 11	10 30.33	+11 47.1	2.401	3.175	13.2	21.5

331010 2009 UM_{91} 3 2.5 155°.21 0°.0/ 2.5 18

2 1	11 14.96	+ 4 0.2	2.233	3.079	11.0	21.7
2 11	11 9.38	+ 4 48.3	2.163	3.085	7.8	21.5
2 21	11 2.25	+ 5 47.0	2.120	3.092	4.1	21.3
3 2	10 54.24	+ 6 51.3	2.106	3.097	0.2	20.9
3 12	10 46.18	+ 7 55.2	2.123	3.102	3.7	21.2
3 22	10 38.88	+ 8 53.3	2.168	3.107	7.4	21.5
4 1	10 33.04	+ 9 41.1	2.241	3.111	10.7	21.7
4 11	10 29.12	+10 15.9	2.336	3.115	13.4	21.9

56235 1999 JX_{43} 3 2.5 252°.88 5°.9/25.8 18

2 1	11 20.00	+23 9.1	2.059	2.925	11.0	19.0
2 11	11 13.22	+24 5.7	1.986	2.910	8.3	18.8
2 21	11 4.40	+24 57.4	1.939	2.895	6.2	18.6
3 2	10 54.34	+25 36.5	1.921	2.879	6.2	18.6
3 12	10 44.13	+25 56.9	1.931	2.862	8.5	18.7
3 22	10 34.85	+25 55.6	1.968	2.846	11.4	18.8
4 1	10 27.41	+25 32.7	2.027	2.829	14.3	19.0
4 11	10 22.40	+24 50.5	2.106	2.812	16.8	19.2

59667 1999 JQ_{97} 3 2.5 193°.88 4°.4/26.2 18

2 1	11 15.55	+18 13.5	2.277	3.146	9.9	19.3
2 11	11 9.88	+19 38.1	2.213	3.144	7.1	19.1
2 21	11 2.55	+21 2.7	2.178	3.142	4.8	19.0
3 2	10 54.26	+22 19.8	2.171	3.139	4.7	19.0
3 12	10 45.87	+23 22.8	2.195	3.135	7.0	19.1
3 22	10 38.24	+24 7.4	2.246	3.131	9.9	19.3
4 1	10 32.13	+24 31.8	2.320	3.127	12.6	19.4
4 11	10 28.03	+24 36.7	2.415	3.122	14.9	19.6

88100 2000 WB_{73} 3 2.5 241°.35 3°.5/ 6.8 18

2 1	11 12.98	− 7 40.5	2.794	3.585	10.7	19.9
2 11	11 7.89	− 7 36.5	2.695	3.572	8.4	19.7
2 21	11 1.46	− 7 17.8	2.621	3.558	5.9	19.5
3 2	10 54.21	− 6 45.5	2.575	3.545	3.9	19.4
3 12	10 46.79	− 6 2.5	2.559	3.531	3.9	19.3
3 22	10 39.85	− 5 12.9	2.572	3.516	6.1	19.5
4 1	10 34.01	− 4 21.2	2.613	3.501	8.7	19.6
4 11	10 29.73	− 3 32.0	2.679	3.486	11.1	19.7

187725 2008 FV_{40} 3 2.5 273°.78 4°.5/27.6 17

2 1	11 18.11	+17 3.0	1.749	2.623	12.2	20.5
2 11	11 12.10	+17 58.9	1.676	2.611	8.7	20.3
2 21	11 3.89	+18 55.7	1.629	2.599	5.4	20.1
3 2	10 54.32	+19 45.2	1.610	2.586	4.8	20.0
3 12	10 44.58	+20 20.0	1.618	2.573	7.7	20.1
3 22	10 35.82	+20 35.4	1.652	2.561	11.4	20.3
4 1	10 29.06	+20 29.9	1.709	2.548	15.0	20.5
4 11	10 24.90	+20 4.5	1.785	2.535	18.0	20.7

124867 2001 TF_{31} 3 2.5 88°.73 0°.2/ 2.6 18

2 1	11 21.23	+ 5 1.3	1.429	2.289	15.3	19.9
2 11	11 14.27	+ 5 19.7	1.377	2.305	10.8	19.7
2 21	11 4.95	+ 5 50.5	1.349	2.322	5.7	19.4
3 2	10 54.37	+ 6 27.9	1.347	2.338	0.4	19.1
3 12	10 43.91	+ 7 4.7	1.373	2.355	5.0	19.5
3 22	10 34.88	+ 7 34.5	1.426	2.371	9.9	19.8
4 1	10 28.23	+ 7 53.0	1.502	2.386	14.1	20.1
4 11	10 24.49	+ 7 57.9	1.598	2.402	17.6	20.3

375315 2008 RG_{48} 3 2.5 222°.30 2°.8/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.92	+14 14.5	2.287	3.151	10.1	20.8
2 11	11 10.82	+15 1.1	2.211	3.142	7.1	20.6
2 21	11 3.05	+15 49.9	2.161	3.133	4.0	20.4
3 2	10 54.29	+16 35.5	2.142	3.124	3.0	20.3
3 12	10 45.40	+17 12.2	2.152	3.114	5.5	20.5
3 22	10 37.26	+17 36.2	2.191	3.104	8.8	20.7
4 1	10 30.61	+17 45.4	2.255	3.093	11.8	20.8
4 11	10 25.99	+17 39.5	2.340	3.082	14.4	21.0

374440 2005 WP_{177} 3 2.5 317°.47 3°.6/28.1 17

2 1	11 15.41	+14 16.4	1.758	2.634	12.0	20.8
2 11	11 10.10	+15 18.5	1.693	2.630	8.4	20.5
2 21	11 2.78	+16 24.1	1.653	2.626	4.9	20.3
3 2	10 54.28	+17 25.4	1.641	2.622	3.8	20.2
3 12	10 45.67	+18 14.7	1.656	2.618	6.9	20.4
3 22	10 38.04	+18 46.7	1.698	2.615	10.6	20.6
4 1	10 32.28	+18 59.0	1.763	2.611	14.1	20.8
4 11	10 28.96	+18 51.7	1.847	2.608	17.1	21.0

7485 Changchun 3 2.5 99°.73 5°.8/25.0 18

2 1	11 16.79	+22 58.3	2.132	3.002	10.5	16.7
2 11	11 10.68	+24 21.0	2.095	3.020	7.8	16.6
2 21	11 2.91	+25 37.7	2.085	3.038	6.0	16.5
3 2	10 54.28	+26 40.8	2.104	3.056	6.2	16.5
3 12	10 45.76	+27 24.5	2.150	3.073	8.2	16.7
3 22	10 38.24	+27 46.4	2.223	3.090	10.7	16.9
4 1	10 32.43	+27 46.7	2.319	3.107	13.1	17.1
4 11	10 28.77	+27 27.7	2.433	3.124	15.1	17.2

89770 2002 AX_{81} 3 2.5 84°.76 5°.8/ 7.2 18

2 1	11 17.69	− 8 59.9	1.467	2.280	17.5	18.4
2 11	11 11.88	− 9 2.7	1.406	2.295	13.7	18.2
2 21	11 3.76	− 8 38.4	1.366	2.309	9.7	18.0
3 2	10 54.33	− 7 48.7	1.351	2.323	6.4	17.9
3 12	10 44.88	− 6 40.0	1.362	2.337	6.3	17.9
3 22	10 36.66	− 5 21.5	1.400	2.350	9.4	18.1
4 1	10 30.66	− 4 3.1	1.461	2.364	13.2	18.4
4 11	10 27.45	− 2 53.1	1.544	2.377	16.7	18.6

326414 2001 SB_{326} 3 2.5 85°.91 5°.4/28.6 18

2 1	11 31.74	+22 40.4	1.730	2.585	13.3	20.2
2 11	11 21.35	+22 37.9	1.673	2.594	9.7	20.0
2 21	11 8.55	+22 25.8	1.642	2.602	6.5	19.8
3 2	10 54.55	+21 57.9	1.640	2.611	5.6	19.8
3 12	10 40.87	+21 11.3	1.669	2.619	7.9	20.0
3 22	10 28.86	+20 6.7	1.726	2.628	11.4	20.2
4 1	10 19.49	+18 47.4	1.809	2.637	14.7	20.4
4 11	10 13.22	+17 17.8	1.912	2.645	17.5	20.6

67303 2000 GR_{141} 3 2.5 152°.30 7°.2/24.3 18

2 1	11 21.24	+27 29.2	2.066	2.927	11.2	19.6
2 11	11 13.93	+28 38.8	2.021	2.935	8.8	19.5
2 21	11 4.67	+29 38.6	2.002	2.941	7.3	19.4
3 2	10 54.38	+30 20.6	2.011	2.948	7.6	19.4
3 12	10 44.18	+30 39.6	2.047	2.954	9.5	19.5
3 22	10 35.13	+30 34.1	2.108	2.959	11.9	19.7
4 1	10 28.06	+30 5.7	2.192	2.964	14.3	19.9
4 11	10 23.44	+29 18.0	2.295	2.968	16.4	20.0

236067 2005 JQ_{84} 3 2.5 210°.67 2°.0/ 4.9 18

2 1	11 12.06	− 2 50.2	2.372	3.195	11.3	20.4
2 11	11 7.36	− 2 8.8	2.288	3.192	8.4	20.2
2 21	11 1.22	− 1 11.9	2.230	3.189	5.2	20.0
3 2	10 54.22	− 0 3.0	2.200	3.186	2.3	19.8
3 12	10 47.12	+ 1 12.5	2.201	3.183	3.3	19.9
3 22	10 40.63	+ 2 28.6	2.231	3.179	6.6	20.1
4 1	10 35.43	+ 3 39.5	2.288	3.176	9.8	20.2
4 11	10 31.99	+ 4 40.6	2.369	3.172	12.6	20.4

154307 2002 UX_{48} 3 2.5 62°.93 6°.5/27.0 18

2 1	11 23.47	+22 9.0	1.479	2.354	13.9	19.8
2 11	11 15.66	+22 58.9	1.449	2.379	10.2	19.6
2 21	11 5.56	+23 40.4	1.444	2.405	7.2	19.5
3 2	10 54.42	+24 5.0	1.464	2.430	6.8	19.6
3 12	10 43.71	+24 7.1	1.512	2.455	9.3	19.8
3 22	10 34.69	+23 45.8	1.584	2.480	12.6	20.0
4 1	10 28.23	+23 3.5	1.678	2.506	15.7	20.3
4 11	10 24.70	+22 4.3	1.791	2.531	18.3	20.5

10379 Lake Placid 3 2.5 335°.30 1°.5/29.6 18

2 1	11 11.38	+ 9 56.0	2.564	3.426	9.2	18.1
2 11	11 6.78	+10 46.3	2.493	3.425	6.4	17.9
2 21	11 0.88	+11 41.9	2.449	3.424	3.3	17.7
3 2	10 54.21	+12 37.9	2.435	3.423	1.6	17.6
3 12	10 47.49	+13 29.3	2.451	3.422	4.2	17.8
3 22	10 41.38	+14 12.0	2.495	3.421	7.2	18.0
4 1	10 36.48	+14 43.0	2.566	3.420	10.0	18.2
4 11	10 33.20	+15 0.9	2.658	3.419	12.4	18.3

429866 2012 SH_{14} 3 2.5 232°.36 0°.0/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.66	+ 6 21.8	2.246	3.095	10.9	21.1
2 11	11 10.61	+ 6 31.0	2.169	3.093	7.7	20.9
2 21	11 2.94	+ 6 47.3	2.118	3.090	4.0	20.6
3 2	10 54.32	+ 7 7.3	2.096	3.087	0.2	20.3
3 12	10 45.60	+ 7 26.9	2.105	3.084	3.7	20.6
3 22	10 37.65	+ 7 42.2	2.142	3.082	7.4	20.8
4 1	10 31.17	+ 7 50.4	2.206	3.078	10.7	21.0
4 11	10 26.69	+ 7 49.5	2.292	3.075	13.5	21.2

306243 2011 QW_{71} 3 2.5 198°.15 2°.5/28.8 17

2 1	11 19.40	+16 31.4	2.921	3.774	8.5	21.4
2 11	11 12.20	+16 46.1	2.845	3.771	6.0	21.2
2 21	11 3.65	+16 59.7	2.799	3.768	3.5	21.1
3 2	10 54.35	+17 8.6	2.784	3.764	2.6	21.0
3 12	10 45.03	+17 9.5	2.800	3.760	4.6	21.1
3 22	10 36.39	+17 0.7	2.847	3.755	7.2	21.3
4 1	10 29.04	+16 41.5	2.921	3.750	9.7	21.4
4 11	10 23.39	+16 12.2	3.019	3.745	11.8	21.6

73055 2002 FG 3 2.5 248°.55 2°.0/ 4.7 18

2 1	11 13.74	− 2 16.7	2.304	3.128	11.5	20.1
2 11	11 8.67	− 1 41.2	2.207	3.112	8.6	19.9
2 21	11 1.98	− 0 49.8	2.136	3.096	5.3	19.6
3 2	10 54.27	+ 0 14.2	2.093	3.079	2.2	19.4
3 12	10 46.34	+ 1 25.8	2.080	3.062	3.5	19.5
3 22	10 38.99	+ 2 38.7	2.097	3.044	7.0	19.6
4 1	10 32.96	+ 3 47.0	2.140	3.025	10.5	19.8
4 11	10 28.82	+ 4 45.7	2.207	3.007	13.5	20.0

218979 2008 FT_{123} 3 2.5 172°.94 0°.4/ 2.1 16

2 1	11 15.23	+ 5 15.2	2.132	2.983	11.3	21.5
2 11	11 9.67	+ 6 8.0	2.060	2.986	7.9	21.3
2 21	11 2.46	+ 7 11.1	2.015	2.988	4.1	21.1
3 2	10 54.30	+ 8 19.1	1.999	2.990	0.4	20.8
3 12	10 46.05	+ 9 25.6	2.013	2.991	4.1	21.1
3 22	10 38.59	+10 24.6	2.055	2.992	7.9	21.3
4 1	10 32.64	+11 11.8	2.124	2.992	11.3	21.5
4 11	10 28.71	+11 44.6	2.215	2.992	14.1	21.7

493491 2015 AT_{190} 3 2.5 113°.83 1°.2/ 3.6 17

2 1	11 16.50	+ 2 0.3	1.963	2.806	12.5	21.9
2 11	11 10.63	+ 2 13.5	1.894	2.811	9.0	21.7
2 21	11 2.99	+ 2 38.8	1.849	2.817	5.1	21.5
3 2	10 54.32	+ 3 12.7	1.832	2.822	1.4	21.3
3 12	10 45.60	+ 3 50.1	1.845	2.827	3.8	21.4
3 22	10 37.76	+ 4 25.8	1.885	2.831	7.8	21.7
4 1	10 31.60	+ 4 55.2	1.952	2.836	11.3	21.9
4 11	10 27.62	+ 5 14.9	2.040	2.841	14.4	22.1

427769 2004 TA_{256} 3 2.5 110°.40 3°.0/27.9 18

2 1	11 16.61	+14 31.9	2.346	3.209	9.9	22.1
2 11	11 10.38	+15 42.0	2.302	3.234	6.8	22.0
2 21	11 2.72	+16 53.1	2.287	3.257	4.0	21.8
3 2	10 54.31	+17 58.7	2.301	3.280	3.2	21.8
3 12	10 46.01	+18 53.3	2.346	3.302	5.6	22.0
3 22	10 38.58	+19 33.3	2.420	3.324	8.5	22.2
4 1	10 32.65	+19 56.9	2.518	3.345	11.1	22.4
4 11	10 28.62	+20 4.5	2.638	3.365	13.3	22.6

465896 2010 UE_{56} 3 2.5 77°.87 2°.0/ 4.3 18

2 1	11 17.55	− 0 32.2	1.679	2.519	14.4	21.5
2 11	11 11.45	− 0 12.3	1.626	2.540	10.5	21.3
2 21	11 3.41	+ 0 24.2	1.596	2.561	6.2	21.1
3 2	10 54.35	+ 1 12.6	1.594	2.582	2.3	20.9
3 12	10 45.38	+ 2 6.4	1.620	2.602	4.2	21.1
3 22	10 37.56	+ 2 58.8	1.674	2.623	8.3	21.4
4 1	10 31.69	+ 3 43.8	1.752	2.643	12.1	21.7
4 11	10 28.26	+ 4 17.5	1.852	2.663	15.2	21.9

130686 2000 SR_{128} 3 2.5 189°.84 1°.6/29.9 18

2 1	11 16.99	+ 7 50.0	1.779	2.641	12.6	20.4
2 11	11 11.20	+ 8 57.7	1.709	2.641	8.8	20.2
2 21	11 3.38	+10 15.9	1.665	2.640	4.5	19.9
3 2	10 54.35	+11 37.1	1.649	2.638	1.7	19.7
3 12	10 45.20	+12 52.7	1.662	2.636	5.4	19.9
3 22	10 36.99	+13 55.7	1.703	2.633	9.7	20.2
4 1	10 30.64	+14 41.4	1.768	2.630	13.5	20.4
4 11	10 26.72	+15 8.0	1.854	2.626	16.6	20.6

457743 Balklavs 3 2.5 352°.71 2°.6/29.5 16

2 1	11 14.91	+ 9 50.3	1.274	2.157	15.1	21.0
2 11	11 10.28	+10 47.8	1.212	2.154	10.5	20.8
2 21	11 3.09	+11 56.1	1.174	2.151	5.5	20.5
3 2	10 54.34	+13 5.5	1.160	2.148	2.7	20.3
3 12	10 45.47	+14 5.7	1.172	2.146	7.0	20.5
3 22	10 37.87	+14 48.6	1.208	2.146	12.0	20.8
4 1	10 32.67	+15 9.7	1.265	2.145	16.5	21.1
4 11	10 30.50	+15 8.3	1.340	2.146	20.2	21.3

210168 2006 TM_{18} 3 2.5 205°.54 0°.9/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 13.43	+ 8 20.0	2.666	3.520	9.2	21.0
2 11	11 8.19	+ 8 59.1	2.589	3.516	6.4	20.8
2 21	11 1.63	+ 9 44.1	2.538	3.512	3.3	20.6
3 2	10 54.29	+10 30.9	2.518	3.508	0.9	20.4
3 12	10 46.86	+11 14.8	2.528	3.503	3.7	20.6
3 22	10 40.03	+11 52.0	2.568	3.498	6.8	20.8
4 1	10 34.40	+12 19.6	2.635	3.493	9.7	21.0
4 11	10 30.39	+12 35.8	2.724	3.488	12.1	21.1

134797 2000 EE_{25} 3 2.5 98°.66 0°.7/ 1.9 18

2 1	11 18.69	+ 6 55.4	1.792	2.649	12.8	20.1
2 11	11 12.16	+ 7 33.8	1.741	2.669	8.9	19.9
2 21	11 3.76	+ 8 20.9	1.714	2.688	4.6	19.7
3 2	10 54.39	+ 9 10.7	1.717	2.707	0.7	19.5
3 12	10 45.12	+ 9 56.7	1.748	2.726	4.6	19.8
3 22	10 36.98	+10 33.5	1.807	2.744	8.7	20.1
4 1	10 30.74	+10 57.7	1.891	2.762	12.3	20.3
4 11	10 26.88	+11 7.8	1.997	2.779	15.3	20.6

29160 1989 SP_{1} 3 2.5 338°.60 1°.8/29.9 18

2 1	11 14.05	+ 8 2.0	1.497	2.372	13.8	17.7
2 11	11 9.42	+ 9 4.0	1.429	2.367	9.6	17.5
2 21	11 2.56	+10 18.0	1.385	2.362	5.0	17.2
3 2	10 54.34	+11 35.7	1.368	2.358	1.9	17.0
3 12	10 45.97	+12 47.6	1.378	2.354	6.0	17.2
3 22	10 38.64	+13 45.6	1.413	2.350	10.7	17.5
4 1	10 33.38	+14 24.5	1.472	2.347	14.9	17.7
4 11	10 30.78	+14 42.3	1.549	2.345	18.4	17.9

372948 2011 BE_{76} 3 2.5 148°.72 0°.5/ 3.0 16

2 1	11 15.16	+ 2 48.5	2.086	2.931	11.8	21.8
2 11	11 9.63	+ 3 27.9	2.016	2.937	8.4	21.6
2 21	11 2.46	+ 4 19.3	1.972	2.942	4.5	21.4
3 2	10 54.34	+ 5 18.0	1.957	2.947	0.7	21.1
3 12	10 46.17	+ 6 18.0	1.971	2.952	3.7	21.4
3 22	10 38.80	+ 7 13.4	2.014	2.956	7.6	21.6
4 1	10 32.98	+ 7 59.5	2.083	2.960	11.0	21.8
4 11	10 29.19	+ 8 33.2	2.174	2.964	13.9	22.0

288769 2004 RU_{95} 3 2.5 150°.24 0°.9/ 3.6 18

2 1	11 12.93	− 1 9.6	2.026	2.862	12.4	20.8
2 11	11 8.15	+ 0 18.6	1.951	2.866	9.0	20.5
2 21	11 1.71	+ 2 5.3	1.902	2.870	5.0	20.3
3 2	10 54.31	+ 4 4.0	1.883	2.873	1.1	20.0
3 12	10 46.81	+ 6 5.8	1.894	2.876	3.7	20.2
3 22	10 40.08	+ 8 1.5	1.936	2.879	7.8	20.5
4 1	10 34.87	+ 9 43.8	2.004	2.882	11.4	20.7
4 11	10 31.68	+11 7.7	2.096	2.885	14.4	20.9

355861 2008 UQ_{258} 3 2.5 58°.55 4°.6/28.3 18

2 1	11 19.92	+15 13.4	1.310	2.192	14.9	21.1
2 11	11 13.66	+16 11.5	1.260	2.200	10.4	20.9
2 21	11 4.79	+17 11.5	1.234	2.207	6.1	20.7
3 2	10 54.46	+18 3.4	1.234	2.215	4.8	20.6
3 12	10 44.21	+18 38.0	1.259	2.223	8.3	20.8
3 22	10 35.48	+18 50.6	1.309	2.231	12.7	21.1
4 1	10 29.33	+18 40.2	1.380	2.239	16.7	21.3
4 11	10 26.29	+18 8.9	1.469	2.247	20.0	21.6

373825 2002 XD_{12} 3 2.5 83°.33 8°.5/ 8.1 17

2 1	11 24.08	−11 40.2	1.121	1.933	21.8	20.4
2 11	11 16.76	−12 18.5	1.075	1.958	17.5	20.2
2 21	11 6.46	−12 21.4	1.049	1.982	12.9	20.0
3 2	10 54.54	−11 48.5	1.044	2.007	9.3	19.9
3 12	10 42.80	−10 46.4	1.063	2.031	8.8	20.0
3 22	10 32.90	− 9 26.9	1.106	2.054	11.7	20.2
4 1	10 26.04	− 8 3.0	1.172	2.077	15.6	20.5
4 11	10 22.75	− 6 46.4	1.256	2.099	19.2	20.8

37005 2000 TO_{37} 3 2.5 123°.80 3°.0/27.7 18

2 1	11 13.19	+15 2.4	2.492	3.360	9.2	19.2
2 11	11 8.06	+16 8.3	2.435	3.368	6.4	19.1
2 21	11 1.57	+17 15.6	2.405	3.376	3.8	18.9
3 2	10 54.31	+18 18.5	2.406	3.383	3.2	18.9
3 12	10 47.04	+19 11.6	2.435	3.391	5.4	19.0
3 22	10 40.48	+19 51.1	2.493	3.398	8.2	19.2
4 1	10 35.23	+20 15.2	2.577	3.405	10.8	19.4
4 11	10 31.71	+20 23.5	2.681	3.412	13.0	19.6

373450 1999 WA_{11} 3 2.5 145°.56 3°.1/28.0 18

2 1	11 16.81	+15 46.4	2.446	3.309	9.6	21.5
2 11	11 10.57	+16 38.3	2.389	3.319	6.7	21.3
2 21	11 2.87	+17 30.5	2.359	3.329	4.0	21.1
3 2	10 54.37	+18 17.5	2.360	3.338	3.3	21.1
3 12	10 45.90	+18 54.3	2.391	3.347	5.5	21.3
3 22	10 38.22	+19 17.8	2.450	3.355	8.4	21.5
4 1	10 31.99	+19 26.6	2.535	3.363	11.0	21.6
4 11	10 27.64	+19 20.9	2.641	3.370	13.2	21.8

115372 2003 SA_{256} 3 2.5 223°.83 0°.6/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.20	+ 6 23.5	1.909	2.763	12.3	21.0
2 11	11 12.03	+ 7 3.5	1.827	2.754	8.7	20.8
2 21	11 3.86	+ 7 54.0	1.770	2.744	4.5	20.5
3 2	10 54.43	+ 8 49.4	1.742	2.733	0.6	20.2
3 12	10 44.78	+ 9 43.1	1.744	2.722	4.6	20.5
3 22	10 35.97	+10 29.1	1.773	2.710	8.9	20.7
4 1	10 28.90	+11 2.7	1.828	2.697	12.8	20.9
4 11	10 24.19	+11 21.5	1.904	2.684	16.0	21.1

365212 2009 HX_{15} 3 2.5 160°.00 4°.4/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.72	+16 47.2	1.849	2.720	11.8	21.0
2 11	11 12.33	+17 59.2	1.792	2.725	8.3	20.8
2 21	11 3.94	+19 11.6	1.761	2.730	5.2	20.6
3 2	10 54.43	+20 16.0	1.759	2.734	4.7	20.6
3 12	10 44.91	+21 5.2	1.785	2.737	7.4	20.8
3 22	10 36.44	+21 34.7	1.839	2.741	10.8	21.0
4 1	10 29.89	+21 43.2	1.915	2.743	14.0	21.2
4 11	10 25.78	+21 31.8	2.011	2.745	16.7	21.4

364302 2006 UA_{15} 3 2.5 191°.72 0°.6/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.05	+ 6 29.4	2.260	3.109	10.8	22.5
2 11	11 10.92	+ 7 15.5	2.182	3.107	7.6	22.3
2 21	11 3.15	+ 8 10.4	2.131	3.104	3.9	22.1
3 2	10 54.40	+ 9 8.9	2.111	3.101	0.6	21.8
3 12	10 45.53	+10 5.3	2.120	3.097	4.1	22.1
3 22	10 37.40	+10 54.4	2.160	3.093	7.8	22.3
4 1	10 30.75	+11 32.3	2.225	3.087	11.1	22.5
4 11	10 26.09	+11 56.8	2.313	3.081	13.9	22.7

265604 2005 SK_{6} 3 2.5 227°.72 1°.8/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.60	+10 35.5	1.881	2.744	12.0	20.5
2 11	11 12.26	+11 3.2	1.808	2.740	8.4	20.3
2 21	11 3.94	+11 36.3	1.761	2.735	4.4	20.0
3 2	10 54.44	+12 9.2	1.742	2.731	1.8	19.8
3 12	10 44.83	+12 36.2	1.752	2.726	5.2	20.0
3 22	10 36.16	+12 52.8	1.790	2.721	9.2	20.3
4 1	10 29.32	+12 56.3	1.853	2.716	12.9	20.5
4 11	10 24.87	+12 45.9	1.937	2.711	16.0	20.7

507281 2011 FE_{102} 3 2.5 11°.09 3°.7/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.76	− 2 2.1	1.643	2.477	14.9	20.9
2 11	11 12.57	− 2 34.3	1.571	2.478	11.3	20.6
2 21	11 4.18	− 2 50.4	1.522	2.479	7.3	20.4
3 2	10 54.45	− 2 51.6	1.499	2.481	4.0	20.2
3 12	10 44.59	− 2 41.3	1.504	2.483	5.0	20.3
3 22	10 35.75	− 2 24.5	1.536	2.486	8.8	20.5
4 1	10 28.95	− 2 6.7	1.593	2.489	12.7	20.7
4 11	10 24.78	− 1 53.1	1.671	2.493	16.1	21.0

118445 1999 VH_{29} 3 2.5 103°.00 2°.1/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.42	− 0 42.2	1.408	2.255	16.3	20.3
2 11	11 13.12	− 0 11.0	1.353	2.271	11.9	20.1
2 21	11 4.45	+ 0 40.5	1.320	2.286	6.9	19.8
3 2	10 54.47	+ 1 46.4	1.313	2.301	2.4	19.6
3 12	10 44.54	+ 2 58.2	1.333	2.316	4.8	19.8
3 22	10 35.95	+ 4 6.8	1.380	2.330	9.6	20.1
4 1	10 29.70	+ 5 4.5	1.451	2.344	13.9	20.4
4 11	10 26.32	+ 5 46.7	1.542	2.358	17.6	20.6

354344 2003 FS_{96} 3 2.5 224°.49 1°.3/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.38	+ 0 10.1	1.868	2.705	13.3	22.1
2 11	11 11.53	+ 0 52.2	1.780	2.695	9.7	21.8
2 21	11 3.64	+ 1 51.5	1.717	2.683	5.6	21.6
3 2	10 54.45	+ 3 3.5	1.682	2.671	1.6	21.3
3 12	10 44.98	+ 4 21.1	1.676	2.658	4.1	21.4
3 22	10 36.30	+ 5 36.6	1.699	2.644	8.5	21.6
4 1	10 29.35	+ 6 43.0	1.748	2.630	12.6	21.9
4 11	10 24.79	+ 7 35.4	1.818	2.614	16.0	22.1

283310 2011 KB_{25} 3 2.5 228°.44 0°.1/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.02	+ 4 20.9	2.131	2.982	11.3	21.4
2 11	11 8.88	+ 4 58.4	2.055	2.979	8.0	21.2
2 21	11 2.11	+ 5 46.7	2.004	2.976	4.3	21.0
3 2	10 54.37	+ 6 41.0	1.983	2.974	0.3	20.6
3 12	10 46.52	+ 7 35.7	1.990	2.971	3.8	20.9
3 22	10 39.41	+ 8 25.2	2.026	2.967	7.6	21.1
4 1	10 33.78	+ 9 5.1	2.088	2.964	11.1	21.3
4 11	10 30.13	+ 9 32.6	2.172	2.961	14.0	21.5

337707 2001 UO_{8} 3 2.5 144°.92 2°.7/28.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.99	+15 24.4	2.685	3.548	8.8	21.0
2 11	11 9.23	+16 10.6	2.626	3.557	6.2	20.8
2 21	11 2.16	+16 57.2	2.594	3.564	3.6	20.7
3 2	10 54.37	+17 39.6	2.593	3.572	2.9	20.6
3 12	10 46.60	+18 13.4	2.622	3.579	5.0	20.8
3 22	10 39.51	+18 35.6	2.679	3.586	7.6	21.0
4 1	10 33.70	+18 44.8	2.763	3.593	10.1	21.1
4 11	10 29.57	+18 40.9	2.868	3.599	12.3	21.3

267032 1996 TC_{60} 3 2.5 174°.59 0°.9/ 3.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.41	+ 1 51.4	2.487	3.319	10.5	21.8
2 11	11 10.33	+ 2 17.9	2.409	3.322	7.6	21.6
2 21	11 2.79	+ 2 54.9	2.358	3.325	4.3	21.4
3 2	10 54.41	+ 3 38.9	2.337	3.327	1.1	21.1
3 12	10 45.95	+ 4 25.4	2.347	3.328	3.2	21.3
3 22	10 38.16	+ 5 9.9	2.387	3.329	6.6	21.5
4 1	10 31.71	+ 5 48.4	2.454	3.329	9.7	21.7
4 11	10 27.06	+ 6 17.9	2.545	3.328	12.3	21.9

257300 2009 HE_{61} 3 2.5 280°.61 1°.4/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.19	+ 8 13.9	1.601	2.468	13.5	21.4
2 11	11 11.69	+ 8 56.4	1.517	2.451	9.5	21.1
2 21	11 3.84	+ 9 49.7	1.458	2.434	4.9	20.8
3 2	10 54.46	+10 47.2	1.426	2.416	1.5	20.5
3 12	10 44.75	+11 40.8	1.422	2.399	5.7	20.7
3 22	10 35.96	+12 23.3	1.444	2.381	10.5	20.9
4 1	10 29.19	+12 49.8	1.490	2.364	14.8	21.2
4 11	10 25.16	+12 58.1	1.555	2.346	18.5	21.4

200630 2001 SM_{164} 3 2.5 184°.30 1°.5/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.84	+ 9 8.3	1.855	2.712	12.4	20.5
2 11	11 13.85	+ 9 47.8	1.784	2.713	8.7	20.3
2 21	11 4.79	+10 34.6	1.739	2.713	4.5	20.1
3 2	10 54.51	+11 22.6	1.722	2.712	1.5	19.8
3 12	10 44.13	+12 5.1	1.736	2.710	5.1	20.1
3 22	10 34.75	+12 36.9	1.778	2.708	9.3	20.3
4 1	10 27.29	+12 54.7	1.844	2.705	13.1	20.6
4 11	10 22.31	+12 57.5	1.932	2.701	16.2	20.8

273996 2007 OQ 3 2.5 286°.84 5°.8/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.89	− 9 54.5	1.975	2.768	14.4	20.3
2 11	11 10.49	−10 21.8	1.879	2.752	11.6	20.1
2 21	11 3.12	−10 29.0	1.806	2.736	8.7	19.9
3 2	10 54.43	−10 15.5	1.759	2.720	6.3	19.7
3 12	10 45.41	− 9 43.7	1.738	2.704	6.2	19.6
3 22	10 37.05	− 8 58.3	1.745	2.688	8.5	19.7
4 1	10 30.30	− 8 6.0	1.778	2.672	11.7	19.9
4 11	10 25.83	− 7 13.9	1.833	2.656	14.9	20.1

216083 2006 QZ_{85} 3 2.5 120°.20 0°.3/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.24	+ 4 49.8	2.377	3.228	10.3	20.6
2 11	11 7.46	+ 5 49.7	2.309	3.235	7.2	20.4
2 21	11 1.29	+ 6 59.2	2.268	3.241	3.7	20.2
3 2	10 54.34	+ 8 13.2	2.257	3.248	0.4	19.9
3 12	10 47.35	+ 9 25.6	2.276	3.254	3.6	20.2
3 22	10 41.04	+10 31.1	2.324	3.261	7.1	20.4
4 1	10 36.02	+11 25.4	2.399	3.267	10.2	20.6
4 11	10 32.74	+12 6.0	2.497	3.273	12.7	20.8

53236 1999 CC_{118} 3 2.5 303°.10 5°.4/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.01	− 5 16.5	1.650	2.470	15.5	18.3
2 11	11 13.07	− 6 2.7	1.553	2.448	12.2	18.0
2 21	11 4.65	− 6 31.5	1.479	2.426	8.6	17.8
3 2	10 54.52	− 6 42.0	1.430	2.404	5.7	17.5
3 12	10 43.85	− 6 35.8	1.409	2.383	6.2	17.5
3 22	10 33.94	− 6 17.3	1.414	2.361	9.7	17.7
4 1	10 25.99	− 5 52.6	1.444	2.340	13.8	17.8
4 11	10 20.82	− 5 28.7	1.494	2.320	17.5	18.0

458762 2011 SJ_{33} 3 2.5 159°.56 2°.5/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.66	− 2 26.2	1.808	2.635	14.1	21.8
2 11	11 12.32	− 2 2.4	1.736	2.642	10.5	21.6
2 21	11 3.99	− 1 20.5	1.688	2.648	6.4	21.3
3 2	10 54.47	− 0 24.1	1.668	2.654	2.8	21.1
3 12	10 44.87	+ 0 40.3	1.677	2.659	4.2	21.2
3 22	10 36.24	+ 1 45.6	1.715	2.663	8.2	21.5
4 1	10 29.47	+ 2 44.9	1.778	2.666	12.1	21.7
4 11	10 25.13	+ 3 33.3	1.863	2.669	15.4	21.9

466159 2012 HP_{74} 3 2.5 243°.97 8°.0/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.80	+28 42.8	1.966	2.830	11.5	21.1
2 11	11 13.22	+30 1.5	1.909	2.821	9.3	21.0
2 21	11 4.49	+31 10.2	1.877	2.812	8.0	20.9
3 2	10 54.50	+32 0.0	1.872	2.803	8.5	20.9
3 12	10 44.43	+32 24.5	1.894	2.793	10.5	21.0
3 22	10 35.44	+32 21.6	1.940	2.784	13.1	21.1
4 1	10 28.47	+31 52.4	2.007	2.774	15.6	21.3
4 11	10 24.08	+31 0.9	2.091	2.763	17.8	21.4

357985 2006 CO_{38} 3 2.5 103°.02 0°.2/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.00	+ 2 51.2	1.528	2.383	14.7	21.6
2 11	11 11.99	+ 3 46.5	1.474	2.399	10.4	21.4
2 21	11 3.82	+ 4 57.4	1.443	2.415	5.5	21.2
3 2	10 54.47	+ 6 16.8	1.440	2.431	0.5	20.8
3 12	10 45.18	+ 7 35.4	1.465	2.446	4.7	21.2
3 22	10 37.12	+ 8 44.9	1.517	2.461	9.5	21.5
4 1	10 31.19	+ 9 39.2	1.594	2.476	13.6	21.8
4 11	10 27.91	+10 15.4	1.691	2.490	16.9	22.0

381605 2008 WT_5 3 2.5 177°.06 0°.6/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 14.51	+ 6 29.2	2.272	3.125	10.6	22.1
2 11	11 9.13	+ 7 13.6	2.199	3.126	7.4	21.9
2 21	11 2.21	+ 8 6.5	2.153	3.127	3.8	21.7
3 2	10 54.40	+ 9 2.9	2.137	3.127	0.6	21.4
3 12	10 46.51	+ 9 57.3	2.150	3.128	3.9	21.7
3 22	10 39.35	+10 44.6	2.192	3.128	7.5	21.9
4 1	10 33.60	+11 21.0	2.261	3.127	10.7	22.1
4 11	10 29.74	+11 44.5	2.352	3.127	13.5	22.3

349352 2007 VL_{124} 3 2.5 28°.79 4°.7/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.99	− 9 36.3	2.185	2.978	13.2	20.9
2 11	11 8.16	− 9 36.6	2.105	2.980	10.5	20.8
2 21	11 1.74	− 9 17.5	2.049	2.982	7.6	20.6
3 2	10 54.38	− 8 39.9	2.018	2.984	5.2	20.4
3 12	10 46.90	− 7 47.8	2.016	2.986	5.0	20.4
3 22	10 40.14	− 6 46.6	2.042	2.988	7.2	20.6
4 1	10 34.80	− 5 42.6	2.094	2.990	10.1	20.7
4 11	10 31.38	− 4 42.1	2.169	2.993	12.9	20.9

360761 2004 XY_{180} 3 2.5 53°.27 2°.8/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.20	+10 10.3	1.293	2.173	15.2	20.3
2 11	11 11.68	+11 15.8	1.248	2.188	10.4	20.0
2 21	11 3.73	+12 29.6	1.226	2.202	5.5	19.8
3 2	10 54.47	+13 41.9	1.230	2.217	2.9	19.7
3 12	10 45.33	+14 42.5	1.260	2.232	6.9	20.0
3 22	10 37.64	+15 24.4	1.314	2.248	11.6	20.3
4 1	10 32.38	+15 44.5	1.391	2.264	15.8	20.6
4 11	10 30.05	+15 42.9	1.486	2.280	19.1	20.8

275673 2000 QO_{157} 3 2.5 135°.98 1°.9/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.05	− 2 9.5	2.521	3.337	10.9	22.0
2 11	11 10.00	− 1 42.7	2.453	3.354	8.1	21.8
2 21	11 2.59	− 1 3.0	2.411	3.369	4.9	21.7
3 2	10 54.42	− 0 13.6	2.399	3.384	2.2	21.5
3 12	10 46.26	+ 0 41.1	2.418	3.398	3.2	21.6
3 22	10 38.82	+ 1 36.1	2.467	3.412	6.2	21.8
4 1	10 32.71	+ 2 26.9	2.544	3.425	9.2	22.0
4 11	10 28.34	+ 3 9.8	2.644	3.437	11.7	22.2

494191 2016 HC_1 3 2.5 222°.75 1°.1/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.42	+ 1 0.1	2.086	2.926	12.0	21.6
2 11	11 9.23	+ 1 35.9	2.005	2.921	8.7	21.3
2 21	11 2.34	+ 2 25.7	1.949	2.916	4.9	21.1
3 2	10 54.42	+ 3 25.2	1.921	2.911	1.3	20.8
3 12	10 46.35	+ 4 28.7	1.923	2.905	3.7	21.0
3 22	10 39.02	+ 5 29.9	1.954	2.899	7.6	21.2
4 1	10 33.18	+ 6 23.3	2.010	2.893	11.1	21.4
4 11	10 29.38	+ 7 5.0	2.089	2.887	14.2	21.6

238460 2004 RF_{32} 3 2.5 148°.06 0°.8/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.56	+ 5 23.2	1.668	2.527	13.5	20.8
2 11	11 11.66	+ 6 28.5	1.605	2.534	9.5	20.6
2 21	11 3.67	+ 7 46.8	1.567	2.541	4.9	20.3
3 2	10 54.48	+ 9 10.6	1.557	2.548	0.8	20.0
3 12	10 45.25	+10 30.8	1.576	2.554	5.0	20.3
3 22	10 37.07	+11 39.8	1.622	2.559	9.5	20.6
4 1	10 30.87	+12 32.1	1.693	2.564	13.5	20.9
4 11	10 27.19	+13 5.4	1.784	2.568	16.8	21.1

500335 2012 SS_{40} 3 2.5 120°.42 0°.7/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.65	+ 8 21.7	2.222	3.077	10.7	21.3
2 11	11 10.61	+ 8 39.7	2.153	3.081	7.5	21.0
2 21	11 2.98	+ 9 3.4	2.111	3.084	3.9	20.8
3 2	10 54.45	+ 9 28.9	2.098	3.088	0.8	20.6
3 12	10 45.90	+ 9 51.6	2.115	3.092	4.0	20.8
3 22	10 38.15	+10 7.9	2.160	3.096	7.6	21.1
4 1	10 31.91	+10 15.2	2.232	3.099	10.8	21.3
4 11	10 27.66	+10 11.9	2.325	3.102	13.5	21.5

458946 2011 UC_{341} 3 2.5 111°.99 2°.2/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.21	− 1 40.5	1.697	2.532	14.5	22.4
2 11	11 11.99	− 1 8.0	1.638	2.549	10.7	22.2
2 21	11 3.79	− 0 17.2	1.603	2.566	6.3	22.0
3 2	10 54.49	+ 0 46.9	1.595	2.582	2.5	21.7
3 12	10 45.24	+ 1 57.2	1.616	2.598	4.2	21.9
3 22	10 37.08	+ 3 5.8	1.665	2.614	8.4	22.2
4 1	10 30.89	+ 4 6.0	1.739	2.628	12.2	22.4
4 11	10 27.16	+ 4 53.2	1.835	2.642	15.5	22.7

407386 2010 RY_{180} 3 2.5 106°.69 8°.5/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.64	+30 23.5	1.862	2.719	12.4	20.5
2 11	11 16.40	+31 27.5	1.829	2.735	10.0	20.3
2 21	11 6.01	+32 17.1	1.821	2.752	8.6	20.3
3 2	10 54.60	+32 44.0	1.840	2.768	8.9	20.3
3 12	10 43.49	+32 43.7	1.886	2.784	10.7	20.5
3 22	10 33.87	+32 16.3	1.957	2.799	13.1	20.7
4 1	10 26.58	+31 25.2	2.048	2.814	15.4	20.9
4 11	10 22.06	+30 15.4	2.158	2.828	17.3	21.0

70895 1999 VC_{172} 3 2.5 94°.90 0°.7/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.67	+ 7 0.5	1.986	2.844	11.7	19.8
2 11	11 10.07	+ 7 33.7	1.920	2.849	8.2	19.6
2 21	11 2.75	+ 8 15.3	1.880	2.854	4.2	19.3
3 2	10 54.45	+ 9 0.1	1.869	2.859	0.7	19.1
3 12	10 46.11	+ 9 42.4	1.886	2.864	4.3	19.3
3 22	10 38.65	+10 17.2	1.932	2.869	8.2	19.6
4 1	10 32.83	+10 40.9	2.002	2.874	11.7	19.8
4 11	10 29.15	+10 51.6	2.095	2.879	14.6	20.0

380450 2003 SM_{333} 3 2.5 162°.15 0°.6/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.14	+ 7 38.8	2.384	3.234	10.3	22.2
2 11	11 10.88	+ 8 1.3	2.313	3.238	7.2	22.0
2 21	11 3.10	+ 8 29.9	2.270	3.243	3.7	21.8
3 2	10 54.47	+ 9 0.7	2.256	3.246	0.6	21.5
3 12	10 45.80	+ 9 29.3	2.272	3.250	3.8	21.8
3 22	10 37.89	+ 9 51.9	2.318	3.253	7.2	22.0
4 1	10 31.40	+10 5.8	2.391	3.255	10.3	22.2
4 11	10 26.81	+10 9.5	2.487	3.258	12.9	22.4

151132 2001 XP_{18} 3 2.5 70°.51 2°.9/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.33	+12 55.7	1.740	2.612	12.4	19.8
2 11	11 11.42	+13 42.3	1.682	2.617	8.6	19.6
2 21	11 3.52	+14 32.8	1.648	2.622	4.7	19.4
3 2	10 54.49	+15 19.9	1.643	2.628	3.1	19.3
3 12	10 45.46	+15 56.7	1.665	2.633	6.2	19.5
3 22	10 37.50	+16 18.8	1.714	2.638	10.1	19.7
4 1	10 31.48	+16 23.9	1.787	2.644	13.6	20.0
4 11	10 27.91	+16 12.1	1.880	2.649	16.5	20.2

213243 2001 BR_{17} 3 2.5 21°.81 2°.7/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.30	+10 2.2	1.151	2.039	16.0	19.8
2 11	11 10.63	+10 57.6	1.102	2.045	11.1	19.6
2 21	11 3.30	+12 2.9	1.076	2.053	5.8	19.3
3 2	10 54.48	+13 7.8	1.074	2.062	2.9	19.1
3 12	10 45.71	+14 1.6	1.096	2.072	7.2	19.4
3 22	10 38.43	+14 36.8	1.142	2.082	12.3	19.7
4 1	10 33.74	+14 49.8	1.209	2.094	16.8	20.0
4 11	10 32.17	+14 40.5	1.293	2.106	20.4	20.3

463524 2013 QK_{95} 3 2.5 234°.32 6°.9/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.67	−15 16.1	2.270	3.021	14.0	21.2
2 11	11 10.87	−15 42.8	2.172	3.010	11.7	21.0
2 21	11 3.27	−15 48.0	2.097	2.998	9.3	20.8
3 2	10 54.49	−15 30.6	2.046	2.985	7.4	20.7
3 12	10 45.42	−14 52.2	2.024	2.972	6.9	20.6
3 22	10 36.95	−13 57.2	2.029	2.959	8.4	20.7
4 1	10 29.94	−12 52.1	2.061	2.945	10.8	20.8
4 11	10 24.99	−11 44.1	2.115	2.930	13.5	20.9

105071 2000 KX_{66} 3 2.5 336°.96 10°.6/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.16	+34 42.2	1.820	2.683	12.4	18.9
2 11	11 10.25	+36 50.0	1.781	2.677	10.9	18.8
2 21	11 3.04	+38 41.8	1.767	2.671	10.6	18.7
3 2	10 54.47	+40 6.8	1.778	2.665	11.7	18.8
3 12	10 45.80	+40 57.9	1.812	2.659	13.6	18.9
3 22	10 38.26	+41 13.3	1.866	2.655	15.7	19.0
4 1	10 32.85	+40 55.3	1.939	2.650	17.8	19.2
4 11	10 30.17	+40 9.2	2.025	2.646	19.6	19.3

224523 2005 WG_{77} 3 2.5 176°.03 0°.9/ 1.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.62	+ 7 40.7	2.355	3.206	10.4	22.0
2 11	11 10.56	+ 8 20.8	2.282	3.208	7.2	21.8
2 21	11 2.96	+ 9 7.9	2.237	3.210	3.7	21.5
3 2	10 54.48	+ 9 57.3	2.222	3.212	0.9	21.3
3 12	10 45.93	+10 43.6	2.237	3.213	4.0	21.5
3 22	10 38.11	+11 22.5	2.281	3.213	7.5	21.8
4 1	10 31.72	+11 50.7	2.352	3.212	10.6	22.0
4 11	10 27.22	+12 6.5	2.445	3.211	13.2	22.1

474004 2016 FB_{41} 3 2.5 243°.49 3°.5/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.97	+13 55.9	2.068	2.938	10.8	21.1
2 11	11 9.73	+15 23.3	1.991	2.925	7.5	20.9
2 21	11 2.67	+16 56.1	1.940	2.912	4.4	20.7
3 2	10 54.47	+18 26.1	1.920	2.898	3.8	20.6
3 12	10 46.05	+19 45.2	1.929	2.884	6.6	20.7
3 22	10 38.36	+20 47.4	1.965	2.870	10.1	20.9
4 1	10 32.25	+21 29.1	2.025	2.855	13.3	21.1
4 11	10 28.29	+21 49.8	2.106	2.840	16.0	21.3

410494 2008 DG_{83} 3 2.5 22°.69 0°.9/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.90	+ 3 57.6	1.287	2.155	16.1	20.2
2 11	11 11.57	+ 4 2.9	1.231	2.162	11.5	19.9
2 21	11 3.75	+ 4 22.8	1.197	2.170	6.3	19.7
3 2	10 54.52	+ 4 52.4	1.188	2.179	1.1	19.3
3 12	10 45.29	+ 5 24.3	1.205	2.189	5.0	19.6
3 22	10 37.43	+ 5 51.8	1.247	2.199	10.2	19.9
4 1	10 31.96	+ 6 9.4	1.312	2.211	14.7	20.2
4 11	10 29.47	+ 6 13.7	1.395	2.223	18.5	20.5

462079 2007 FF_{21} 3 2.5 325°.13 0°.0/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 12.19	+ 3 48.7	1.431	2.300	14.7	20.7
2 11	11 8.36	+ 4 34.9	1.347	2.280	10.5	20.4
2 21	11 2.19	+ 5 39.2	1.286	2.261	5.6	20.1
3 2	10 54.45	+ 6 55.4	1.251	2.242	0.3	19.6
3 12	10 46.37	+ 8 14.1	1.242	2.224	5.2	19.9
3 22	10 39.19	+ 9 25.6	1.259	2.207	10.5	20.2
4 1	10 34.07	+10 22.1	1.298	2.191	15.2	20.4
4 11	10 31.73	+10 58.8	1.355	2.176	19.3	20.6

76042 2000 DY_{53} 3 2.5 145°.34 0°.6/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.60	+ 3 22.2	2.312	3.154	10.9	20.1
2 11	11 9.85	+ 3 42.2	2.241	3.159	7.8	19.9
2 21	11 2.59	+ 4 11.9	2.195	3.165	4.3	19.7
3 2	10 54.47	+ 4 47.7	2.179	3.170	0.8	19.4
3 12	10 46.31	+ 5 25.0	2.193	3.174	3.4	19.6
3 22	10 38.88	+ 5 59.5	2.236	3.179	6.9	19.9
4 1	10 32.87	+ 6 27.4	2.306	3.183	10.1	20.1
4 11	10 28.74	+ 6 46.1	2.398	3.187	12.8	20.3

281772 Matttaylor 3 2.5 162°.65 2°.1/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.41	− 1 57.2	2.179	3.004	12.1	21.6
2 11	11 9.82	− 1 29.9	2.103	3.009	8.9	21.4
2 21	11 2.62	− 0 47.6	2.053	3.013	5.4	21.2
3 2	10 54.48	+ 0 6.4	2.031	3.017	2.3	21.0
3 12	10 46.25	+ 1 6.7	2.038	3.020	3.6	21.1
3 22	10 38.79	+ 2 7.6	2.075	3.023	7.1	21.3
4 1	10 32.80	+ 3 3.4	2.139	3.025	10.4	21.5
4 11	10 28.78	+ 3 49.9	2.226	3.027	13.3	21.7

413896 2006 VU_{145} 3 2.5 138°.21 1°.3/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.45	+ 1 36.7	2.087	2.921	12.2	21.7
2 11	11 12.62	+ 1 48.2	2.021	2.934	8.8	21.5
2 21	11 4.07	+ 2 11.4	1.980	2.946	5.0	21.3
3 2	10 54.55	+ 2 42.7	1.968	2.957	1.5	21.0
3 12	10 45.03	+ 3 17.6	1.986	2.968	3.7	21.2
3 22	10 36.43	+ 3 51.1	2.034	2.978	7.4	21.4
4 1	10 29.49	+ 4 19.1	2.108	2.988	10.9	21.7
4 11	10 24.72	+ 4 38.4	2.205	2.996	13.7	21.9

363394 2003 AA_{28} 3 2.5 109°.68 5°.4/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.61	+19 44.8	1.954	2.826	11.2	20.4
2 11	11 11.43	+21 27.3	1.916	2.846	8.1	20.3
2 21	11 3.45	+23 6.5	1.905	2.866	5.8	20.1
3 2	10 54.52	+24 33.1	1.924	2.885	5.9	20.2
3 12	10 45.67	+25 39.9	1.971	2.904	8.2	20.4
3 22	10 37.89	+26 23.2	2.044	2.922	11.1	20.6
4 1	10 31.94	+26 42.4	2.140	2.939	13.7	20.8
4 11	10 28.27	+26 39.8	2.255	2.956	15.9	21.0

331292 2011 ED_{6} 3 2.5 201°.86 2°.6/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.88	+12 12.6	2.087	2.953	10.9	21.4
2 11	11 10.25	+13 11.3	2.018	2.951	7.5	21.2
2 21	11 2.88	+14 14.7	1.975	2.948	4.1	21.0
3 2	10 54.50	+15 16.3	1.960	2.945	2.7	20.9
3 12	10 46.01	+16 9.6	1.976	2.942	5.6	21.1
3 22	10 38.33	+16 49.7	2.019	2.938	9.1	21.3
4 1	10 32.25	+17 13.6	2.087	2.934	12.3	21.5
4 11	10 28.27	+17 20.8	2.176	2.929	15.0	21.7

223300 2003 KJ_{14} 3 2.5 52°.11 1°.3/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.53	+ 8 32.4	1.718	2.584	12.8	20.3
2 11	11 10.90	+ 9 10.2	1.655	2.588	8.9	20.1
2 21	11 3.28	+ 9 56.3	1.617	2.592	4.6	19.8
3 2	10 54.51	+10 44.3	1.606	2.596	1.4	19.6
3 12	10 45.71	+11 27.4	1.624	2.601	5.1	19.9
3 22	10 37.94	+12 0.2	1.669	2.605	9.4	20.1
4 1	10 32.06	+12 18.8	1.737	2.610	13.1	20.3
4 11	10 28.61	+12 22.1	1.826	2.614	16.3	20.6

169643 2002 JN_{27} 3 2.5 287°.65 3°.6/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.47	+12 41.3	1.520	2.397	13.5	20.3
2 11	11 12.11	+13 46.0	1.436	2.374	9.5	20.0
2 21	11 4.20	+14 59.0	1.376	2.350	5.4	19.7
3 2	10 54.57	+16 11.2	1.342	2.326	3.8	19.5
3 12	10 44.51	+17 12.6	1.336	2.302	7.5	19.7
3 22	10 35.37	+17 55.6	1.355	2.278	12.2	19.9
4 1	10 28.38	+18 15.7	1.396	2.254	16.6	20.1
4 11	10 24.34	+18 12.3	1.455	2.230	20.3	20.3

58757 1998 FF_{18} 3 2.5 41°.63 0°.0/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.04	+ 3 32.6	1.468	2.333	14.6	18.0
2 11	11 9.29	+ 4 27.2	1.416	2.347	10.3	17.8
2 21	11 2.46	+ 5 37.1	1.388	2.362	5.4	17.5
3 2	10 54.48	+ 6 54.9	1.386	2.377	0.3	17.2
3 12	10 46.55	+ 8 11.1	1.412	2.393	4.8	17.6
3 22	10 39.80	+ 9 17.6	1.463	2.410	9.5	17.9
4 1	10 35.10	+10 8.3	1.538	2.426	13.6	18.1
4 11	10 32.94	+10 40.4	1.633	2.443	17.0	18.4

74615 1999 RT_{21} 3 2.5 173°.01 1°.0/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.00	+ 7 26.1	2.025	2.879	11.7	20.6
2 11	11 11.73	+ 8 15.8	1.955	2.883	8.1	20.4
2 21	11 3.66	+ 9 14.2	1.912	2.886	4.2	20.2
3 2	10 54.55	+10 15.3	1.898	2.888	1.1	20.0
3 12	10 45.35	+11 12.6	1.914	2.890	4.6	20.2
3 22	10 37.03	+12 0.5	1.958	2.890	8.5	20.4
4 1	10 30.39	+12 35.2	2.029	2.891	12.0	20.7
4 11	10 25.94	+12 54.8	2.120	2.890	14.9	20.9

497954 2006 XG_{11} 3 2.5 75°.39 4°.0/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.00	− 8 7.5	2.388	3.184	12.1	21.2
2 11	11 8.05	− 8 5.9	2.311	3.190	9.5	21.1
2 21	11 1.66	− 7 47.2	2.258	3.196	6.7	20.9
3 2	10 54.45	− 7 13.1	2.233	3.202	4.4	20.8
3 12	10 47.16	− 6 27.1	2.236	3.208	4.4	20.8
3 22	10 40.53	− 5 34.1	2.267	3.214	6.6	20.9
4 1	10 35.22	− 4 39.4	2.326	3.220	9.4	21.1
4 11	10 31.67	− 3 48.3	2.408	3.226	11.9	21.3

140943 2001 VJ_{93} 3 2.5 59°.61 8°.7/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.20	−25 16.8	2.246	2.933	15.8	19.5
2 11	11 7.61	−25 13.3	2.175	2.951	13.8	19.3
2 21	11 1.46	−24 40.3	2.122	2.969	11.7	19.2
3 2	10 54.44	−23 37.5	2.093	2.987	9.8	19.1
3 12	10 47.41	−22 8.0	2.088	3.005	8.8	19.1
3 22	10 41.20	−20 18.5	2.111	3.024	9.1	19.1
4 1	10 36.50	−18 17.5	2.159	3.042	10.5	19.3
4 11	10 33.75	−16 14.5	2.233	3.060	12.4	19.4

408370 2013 GS_{94} 3 2.5 336°.12 3°.2/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.61	− 2 7.6	1.332	2.182	16.8	21.0
2 11	11 10.82	− 1 59.6	1.259	2.176	12.6	20.7
2 21	11 3.49	− 1 29.0	1.208	2.171	7.8	20.4
3 2	10 54.55	− 0 39.0	1.181	2.167	3.6	20.2
3 12	10 45.36	+ 0 23.0	1.179	2.162	5.2	20.3
3 22	10 37.29	+ 1 27.8	1.203	2.158	10.0	20.5
4 1	10 31.53	+ 2 26.5	1.249	2.155	14.8	20.8
4 11	10 28.76	+ 3 12.0	1.315	2.152	18.8	21.0

357509 2004 RT_{2} 3 2.5 128°.30 0°.0/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.28	+ 4 51.1	1.878	2.724	12.8	21.8
2 11	11 13.98	+ 5 22.0	1.821	2.743	9.0	21.6
2 21	11 4.80	+ 6 3.2	1.789	2.761	4.8	21.4
3 2	10 54.61	+ 6 49.5	1.787	2.778	0.3	21.0
3 12	10 44.50	+ 7 34.6	1.814	2.794	4.2	21.4
3 22	10 35.48	+ 8 13.2	1.871	2.810	8.3	21.7
4 1	10 28.38	+ 8 41.4	1.953	2.824	12.0	21.9
4 11	10 23.66	+ 8 57.1	2.057	2.838	14.9	22.2

214208 2005 EQ_{66} 3 2.5 274°.82 0°.2/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.05	+ 3 34.8	1.640	2.497	13.8	21.7
2 11	11 10.88	+ 4 16.6	1.554	2.481	9.9	21.4
2 21	11 3.45	+ 5 14.2	1.491	2.464	5.4	21.1
3 2	10 54.55	+ 6 22.2	1.456	2.447	0.4	20.6
3 12	10 45.31	+ 7 32.4	1.448	2.429	4.8	20.9
3 22	10 36.91	+ 8 36.8	1.467	2.412	9.7	21.2
4 1	10 30.43	+ 9 28.7	1.511	2.395	14.1	21.4
4 11	10 26.57	+10 3.8	1.574	2.377	17.8	21.6

91460 1999 RK_{71} 3 2.5 174°.81 1°.0/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.31	+ 8 10.2	2.026	2.885	11.5	19.7
2 11	11 10.55	+ 8 45.7	1.956	2.886	8.0	19.5
2 21	11 3.05	+ 9 28.6	1.912	2.887	4.1	19.3
3 2	10 54.53	+10 13.8	1.897	2.887	1.1	19.1
3 12	10 45.93	+10 55.3	1.911	2.887	4.5	19.3
3 22	10 38.19	+11 28.4	1.953	2.888	8.3	19.5
4 1	10 32.07	+11 49.6	2.020	2.888	11.8	19.7
4 11	10 28.09	+11 57.4	2.109	2.887	14.7	19.9

333451 2003 WW_{129} 3 2.5 122°.84 2°.1/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.64	+11 51.3	2.241	3.104	10.3	20.7
2 11	11 9.90	+12 38.5	2.181	3.113	7.1	20.5
2 21	11 2.63	+13 29.4	2.148	3.122	3.8	20.3
3 2	10 54.51	+14 18.5	2.145	3.131	2.2	20.2
3 12	10 46.40	+15 0.2	2.172	3.140	4.9	20.4
3 22	10 39.10	+15 30.7	2.226	3.148	8.2	20.6
4 1	10 33.30	+15 47.6	2.306	3.156	11.2	20.8
4 11	10 29.45	+15 50.3	2.408	3.164	13.7	21.0

412993 1998 VO_{48} 3 2.5 170°.32 0°.9/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.06	+ 7 10.8	1.972	2.828	11.8	21.6
2 11	11 11.11	+ 7 57.7	1.902	2.831	8.3	21.3
2 21	11 3.36	+ 8 53.7	1.859	2.833	4.3	21.1
3 2	10 54.55	+ 9 52.9	1.845	2.835	1.0	20.8
3 12	10 45.66	+10 48.6	1.860	2.837	4.6	21.1
3 22	10 37.66	+11 35.2	1.904	2.838	8.5	21.4
4 1	10 31.34	+12 8.8	1.973	2.839	12.1	21.6
4 11	10 27.23	+12 27.5	2.063	2.839	15.1	21.8

270600 2002 NC_{47} 3 2.5 207.°99 4.°6/25.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.69	+21 2.6	2.531	3.398	9.2	21.3
2 11	11 9.95	+22 13.8	2.466	3.392	6.7	21.1
2 21	11 2.68	+23 22.5	2.428	3.386	4.9	21.0
3 2	10 54.51	+24 22.5	2.420	3.380	5.0	21.0
3 12	10 46.26	+25 8.3	2.442	3.373	6.9	21.1
3 22	10 38.69	+25 36.7	2.490	3.366	9.4	21.2
4 1	10 32.52	+25 46.6	2.563	3.358	11.9	21.4
4 11	10 28.20	+25 38.8	2.656	3.350	13.9	21.5

500317 2012 RE_{24} 3 2.5 133.°61 4.°3/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.81	+22 42.5	2.823	3.682	8.6	21.7
2 11	11 11.15	+23 26.1	2.774	3.695	6.3	21.5
2 21	11 3.18	+24 5.0	2.754	3.709	4.6	21.4
3 2	10 54.54	+24 34.3	2.764	3.721	4.6	21.5
3 12	10 45.98	+24 50.5	2.803	3.734	6.2	21.6
3 22	10 38.20	+24 51.8	2.871	3.745	8.4	21.7
4 1	10 31.77	+24 38.3	2.964	3.757	10.5	21.9
4 11	10 27.09	+24 11.3	3.078	3.768	12.3	22.1

481321 2006 AF_{86} 3 2.5 255.°92 12.°5/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.55	−14 57.7	1.236	2.021	21.7	20.6
2 11	11 19.21	−17 0.0	1.158	2.013	18.6	20.4
2 21	11 8.31	−18 34.8	1.100	2.006	15.3	20.2
3 2	10 54.83	−19 33.4	1.063	1.998	12.9	20.0
3 12	10 40.54	−19 51.8	1.049	1.990	12.7	19.9
3 22	10 27.44	−19 33.6	1.059	1.982	14.8	20.0
4 1	10 17.30	−18 49.0	1.089	1.974	18.2	20.2
4 11	10 11.18	−17 51.9	1.137	1.966	21.7	20.4

146594 2001 TN_{153} 3 2.5 157.°07 3.°2/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.80	+13 25.5	1.903	2.773	11.6	20.8
2 11	11 10.99	+14 28.7	1.842	2.776	8.0	20.6
2 21	11 3.31	+15 35.6	1.807	2.780	4.5	20.4
3 2	10 54.55	+16 38.8	1.800	2.782	3.4	20.3
3 12	10 45.75	+17 31.2	1.822	2.785	6.2	20.5
3 22	10 37.91	+18 7.8	1.871	2.787	9.8	20.7
4 1	10 31.83	+18 26.1	1.945	2.789	13.2	20.9
4 11	10 28.04	+18 26.3	2.038	2.791	15.9	21.1

91440 1999 RK_{12} 3 2.5 179.°46 1.°3/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.89	+ 0 37.3	2.061	2.900	12.1	19.3
2 11	11 9.56	+ 1 6.7	1.985	2.900	8.8	19.1
2 21	11 2.54	+ 1 49.9	1.934	2.901	5.1	18.9
3 2	10 54.52	+ 2 43.0	1.912	2.901	1.5	18.6
3 12	10 46.39	+ 3 40.3	1.918	2.901	3.6	18.8
3 22	10 39.04	+ 4 35.9	1.954	2.900	7.5	19.0
4 1	10 33.22	+ 5 24.5	2.015	2.900	11.0	19.2
4 11	10 29.46	+ 6 2.3	2.099	2.899	14.0	19.4

368574 2004 PN_{1} 3 2.5 144.°13 7.°7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.02	−22 21.5	2.767	3.450	13.2	21.6
2 11	11 12.19	−23 2.2	2.688	3.464	11.5	21.4
2 21	11 3.84	−23 21.3	2.631	3.477	9.7	21.3
3 2	10 54.59	−23 17.6	2.599	3.489	8.3	21.3
3 12	10 45.21	−22 52.0	2.594	3.501	7.7	21.2
3 22	10 36.49	−22 8.1	2.617	3.512	8.3	21.3
4 1	10 29.13	−21 11.1	2.666	3.522	9.7	21.4
4 11	10 23.60	−20 7.5	2.740	3.531	11.3	21.5

88628 2001 RF_{34} 3 2.5 11.°42 4.°5/ 5.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.43	− 2 49.9	1.183	2.034	18.4	18.7
2 11	11 12.98	− 3 15.9	1.120	2.035	14.0	18.4
2 21	11 4.69	− 3 18.7	1.076	2.037	9.1	18.1
3 2	10 54.63	− 3 0.0	1.056	2.039	5.0	17.9
3 12	10 44.39	− 2 25.5	1.060	2.042	6.1	18.0
3 22	10 35.54	− 1 43.4	1.089	2.045	10.8	18.2
4 1	10 29.32	− 1 2.7	1.139	2.049	15.5	18.5
4 11	10 26.45	− 0 30.9	1.208	2.054	19.7	18.8

99277 2001 QU_{58} 3 2.5 314.°89 8.°2/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.32	+ 9 51.7	0.844	1.750	18.3	17.4
2 11	11 8.85	+14 43.7	0.790	1.742	12.6	17.0
2 21	11 2.91	+20 8.7	0.761	1.735	8.4	16.8
3 2	10 54.55	+25 28.8	0.759	1.728	10.4	16.9
3 12	10 45.69	+30 4.3	0.783	1.722	16.1	17.1
3 22	10 38.37	+33 30.9	0.828	1.716	21.8	17.4
4 1	10 34.32	+35 43.5	0.889	1.711	26.7	17.7
4 11	10 34.42	+36 50.2	0.961	1.706	30.3	18.0

176360 2001 TD_{102} 3 2.5 133.°34 3.°6/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.71	− 9 11.2	3.104	3.878	10.1	21.4
2 11	11 8.94	− 9 11.8	3.030	3.894	8.0	21.2
2 21	11 2.03	− 8 58.7	2.981	3.909	5.7	21.1
3 2	10 54.50	− 8 33.2	2.962	3.925	3.9	21.0
3 12	10 46.96	− 7 57.8	2.972	3.939	3.8	21.0
3 22	10 39.97	− 7 16.0	3.013	3.953	5.5	21.1
4 1	10 34.05	− 6 31.8	3.083	3.966	7.7	21.3
4 11	10 29.57	− 5 49.2	3.178	3.979	9.7	21.4

491725 2012 UR_{164} 3 2.5 154.°46 3.°4/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 14.71	− 5 44.3	2.515	3.318	11.4	21.4
2 11	11 9.20	− 5 47.3	2.435	3.321	8.7	21.2
2 21	11 2.27	− 5 35.8	2.380	3.325	6.0	21.1
3 2	10 54.52	− 5 11.4	2.353	3.328	3.7	20.9
3 12	10 46.67	− 4 37.3	2.356	3.331	3.9	20.9
3 22	10 39.47	− 3 57.6	2.388	3.334	6.4	21.1
4 1	10 33.53	− 3 17.0	2.447	3.336	9.2	21.3
4 11	10 29.33	− 2 39.8	2.530	3.338	11.7	21.4

160973 2002 CO_{26} 3 2.5 33.°82 20.°1/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.63	−33 24.1	1.308	1.974	26.1	18.5
2 11	11 17.24	−36 21.5	1.258	1.985	24.4	18.4
2 21	11 7.27	−38 35.8	1.222	1.997	22.6	18.3
3 2	10 54.80	−39 55.5	1.201	2.011	21.2	18.3
3 12	10 41.69	−40 15.9	1.196	2.025	20.3	18.2
3 22	10 30.02	−39 40.7	1.208	2.040	20.1	18.3
4 1	10 21.55	−38 21.0	1.236	2.056	20.6	18.3
4 11	10 17.25	−36 33.4	1.279	2.072	21.7	18.5

140542 2001 TP_{185} 3 2.5 230.°17 1.°5/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.53	− 0 25.4	2.697	3.522	10.0	21.3
2 11	11 8.36	− 0 0.9	2.604	3.511	7.4	21.1
2 21	11 1.85	+ 0 35.0	2.538	3.500	4.4	20.9
3 2	10 54.50	+ 1 19.8	2.501	3.488	1.7	20.7
3 12	10 47.01	+ 2 9.3	2.494	3.476	3.0	20.8
3 22	10 40.04	+ 2 59.2	2.518	3.463	6.1	21.0
4 1	10 34.20	+ 3 45.3	2.569	3.450	9.1	21.1
4 11	10 29.97	+ 4 24.0	2.644	3.437	11.7	21.3

148620 2001 RE_{122} 3 2.5 118.°59 1.°1/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.39	+ 8 26.1	1.924	2.782	12.0	20.8
2 11	11 11.99	+ 9 1.8	1.865	2.794	8.3	20.6
2 21	11 3.79	+ 9 44.5	1.832	2.806	4.3	20.3
3 2	10 54.61	+10 28.6	1.828	2.818	1.2	20.1
3 12	10 45.46	+11 8.1	1.854	2.830	4.6	20.4
3 22	10 37.31	+11 38.4	1.907	2.841	8.6	20.7
4 1	10 30.94	+11 56.2	1.986	2.852	12.0	20.9
4 11	10 26.83	+12 0.4	2.086	2.862	14.9	21.1

465733 2009 VQ_{24} 3 2.5 140.°06 5.°3/ 8.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.83	−12 21.9	2.207	2.980	13.7	21.6
2 11	11 9.45	−12 13.4	2.129	2.989	11.0	21.4
2 21	11 2.46	−11 43.1	2.075	2.997	8.2	21.2
3 2	10 54.54	−10 52.2	2.047	3.005	5.9	21.1
3 12	10 46.54	− 9 44.7	2.047	3.012	5.5	21.1
3 22	10 39.29	− 8 26.9	2.076	3.019	7.4	21.2
4 1	10 33.52	− 7 5.9	2.132	3.025	10.1	21.4
4 11	10 29.71	− 5 48.6	2.211	3.031	12.8	21.6

83271 2001 RL_{79} 3 2.5 194.°38 3.°4/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.65	+16 15.7	2.236	3.098	10.4	19.8
2 11	11 12.81	+16 58.8	2.166	3.096	7.3	19.6
2 21	11 4.23	+17 42.2	2.124	3.093	4.4	19.4
3 2	10 54.64	+18 19.8	2.111	3.090	3.6	19.3
3 12	10 44.99	+18 46.5	2.128	3.086	6.0	19.5
3 22	10 36.18	+18 58.9	2.174	3.081	9.1	19.6
4 1	10 29.01	+18 55.7	2.245	3.076	12.1	19.8
4 11	10 23.97	+18 37.5	2.337	3.070	14.7	20.0

426772 2013 TS_{107} 3 2.5 136.°70 0.°9/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.51	+ 1 36.7	2.118	2.960	11.7	21.5
2 11	11 9.23	+ 2 14.6	2.048	2.965	8.4	21.3
2 21	11 2.35	+ 3 5.1	2.002	2.971	4.7	21.1
3 2	10 54.54	+ 4 4.1	1.986	2.976	1.1	20.8
3 12	10 46.68	+ 5 5.5	1.999	2.981	3.6	21.0
3 22	10 39.59	+ 6 3.6	2.041	2.986	7.3	21.3
4 1	10 34.00	+ 6 53.3	2.109	2.990	10.8	21.5
4 11	10 30.39	+ 7 31.3	2.199	2.995	13.6	21.7

496938 2001 WF_{30} 3 2.5 120.°02 6.°9/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.85	+30 47.8	2.532	3.387	9.6	21.1
2 11	11 11.41	+31 54.3	2.495	3.397	7.9	21.0
2 21	11 3.41	+32 50.1	2.484	3.408	7.0	21.0
3 2	10 54.60	+33 29.1	2.501	3.418	7.4	21.0
3 12	10 45.88	+33 47.3	2.546	3.428	8.9	21.1
3 22	10 38.09	+33 43.7	2.615	3.438	10.7	21.2
4 1	10 31.90	+33 19.5	2.707	3.448	12.6	21.4
4 11	10 27.72	+32 37.6	2.816	3.457	14.2	21.5

81887 2000 LS_{22} 3 2.5 121.°17 5.°4/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.80	−14 52.9	2.829	3.573	11.7	18.9
2 11	11 9.14	−15 6.2	2.755	3.588	9.6	18.8
2 21	11 2.20	−15 1.8	2.704	3.604	7.5	18.7
3 2	10 54.54	−14 40.0	2.680	3.619	5.9	18.6
3 12	10 46.85	−14 3.0	2.685	3.634	5.4	18.6
3 22	10 39.76	−13 14.8	2.719	3.648	6.6	18.7
4 1	10 33.87	−12 20.3	2.780	3.662	8.5	18.8
4 11	10 29.58	−11 24.7	2.866	3.675	10.5	19.0

453839 2011 SM_{249} 3 2.5 110°.06 3°.6/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.44	+13 54.9	1.686	2.555	12.8	21.7
2 11	11 13.57	+15 4.2	1.641	2.575	8.9	21.5
2 21	11 4.65	+16 15.9	1.622	2.595	5.1	21.3
3 2	10 54.67	+17 21.2	1.632	2.613	3.8	21.3
3 12	10 44.83	+18 12.4	1.670	2.632	6.8	21.5
3 22	10 36.26	+18 45.1	1.735	2.649	10.6	21.8
4 1	10 29.79	+18 57.5	1.823	2.666	14.0	22.0
4 11	10 25.89	+18 50.9	1.931	2.683	16.8	22.3

165872 2001 SW_{125} 3 2.5 121°.72 0°.4/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.65	+ 3 45.2	2.478	3.320	10.2	20.7
2 11	11 9.11	+ 4 11.2	2.411	3.331	7.3	20.6
2 21	11 2.21	+ 4 45.9	2.371	3.341	3.9	20.4
3 2	10 54.55	+ 5 25.8	2.361	3.352	0.6	20.1
3 12	10 46.88	+ 6 6.4	2.381	3.362	3.2	20.3
3 22	10 39.92	+ 6 43.7	2.430	3.371	6.5	20.6
4 1	10 34.26	+ 7 14.0	2.506	3.381	9.5	20.8
4 11	10 30.33	+ 7 35.1	2.605	3.390	12.0	21.0

462633 2009 RV_{43} 3 2.5 257°.45 2°.6/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.46	− 1 33.7	1.902	2.732	13.4	21.6
2 11	11 11.64	− 1 31.2	1.811	2.718	10.0	21.3
2 21	11 3.80	− 1 13.0	1.744	2.704	6.2	21.1
3 2	10 54.64	− 0 41.3	1.704	2.689	2.9	20.8
3 12	10 45.19	− 0 0.7	1.693	2.674	4.2	20.9
3 22	10 36.47	+ 0 43.1	1.710	2.659	8.2	21.1
4 1	10 29.45	+ 1 24.2	1.753	2.644	12.1	21.3
4 11	10 24.78	+ 1 57.4	1.818	2.628	15.5	21.4

167813 2005 CP_{2} 3 2.5 305°.53 1°.6/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.95	+ 7 54.9	1.406	2.281	14.6	19.5
2 11	11 11.08	+ 8 43.3	1.329	2.265	10.3	19.2
2 21	11 3.69	+ 9 44.7	1.274	2.250	5.3	18.9
3 2	10 54.64	+10 51.5	1.245	2.235	1.6	18.6
3 12	10 45.27	+11 53.9	1.243	2.221	6.1	18.9
3 22	10 36.92	+12 43.6	1.266	2.206	11.3	19.1
4 1	10 30.80	+13 14.8	1.311	2.192	16.0	19.4
4 11	10 27.64	+13 25.2	1.374	2.179	19.9	19.6

306755 2000 YC_{56} 3 2.5 99°.76 4°.1/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.60	− 5 18.4	1.621	2.443	15.7	20.2
2 11	11 12.45	− 5 18.0	1.558	2.456	12.0	20.0
2 21	11 4.17	− 4 56.2	1.518	2.470	7.9	19.8
3 2	10 54.67	− 4 15.5	1.503	2.482	4.6	19.7
3 12	10 45.15	− 3 21.8	1.517	2.495	5.1	19.7
3 22	10 36.75	− 2 22.4	1.557	2.508	8.7	19.9
4 1	10 30.39	− 1 25.1	1.622	2.520	12.5	20.2
4 11	10 26.64	− 0 36.1	1.709	2.532	15.8	20.4

124514 2001 RE_{69} 3 2.5 122°.44 0°.4/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.81	+ 4 40.2	1.548	2.401	14.7	19.5
2 11	11 14.76	+ 4 54.0	1.487	2.412	10.4	19.2
2 21	11 5.40	+ 5 19.9	1.450	2.422	5.6	19.0
3 2	10 54.74	+ 5 52.8	1.441	2.432	0.6	18.6
3 12	10 44.09	+ 6 26.1	1.460	2.441	4.7	19.0
3 22	10 34.70	+ 6 54.1	1.506	2.450	9.5	19.3
4 1	10 27.56	+ 7 12.1	1.577	2.459	13.7	19.5
4 11	10 23.23	+ 7 17.7	1.667	2.467	17.1	19.8

85632 1998 KV_{52} 3 2.6 254°.61 2°.0/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.04	− 4 5.1	2.532	3.349	10.9	19.3
2 11	11 6.71	− 3 7.8	2.440	3.340	8.1	19.1
2 21	11 1.03	− 1 54.0	2.374	3.331	5.1	18.9
3 2	10 54.52	− 0 27.2	2.337	3.322	2.3	18.7
3 12	10 47.87	+ 1 7.0	2.331	3.312	3.1	18.8
3 22	10 41.76	+ 2 42.1	2.354	3.303	6.3	18.9
4 1	10 36.82	+ 4 11.8	2.407	3.293	9.4	19.1
4 11	10 33.50	+ 5 31.2	2.483	3.284	12.1	19.3

123490 2000 WS_{170} 3 2.6 201°.42 0°.4/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.32	+ 6 17.4	2.041	2.895	11.6	20.2
2 11	11 10.61	+ 6 49.8	1.967	2.893	8.2	19.9
2 21	11 3.14	+ 7 31.3	1.918	2.891	4.3	19.7
3 2	10 54.63	+ 8 17.1	1.898	2.889	0.4	19.4
3 12	10 46.01	+ 9 1.4	1.908	2.886	4.1	19.7
3 22	10 38.20	+ 9 39.1	1.945	2.884	8.1	19.9
4 1	10 32.00	+10 6.3	2.009	2.881	11.6	20.1
4 11	10 27.91	+10 20.8	2.094	2.878	14.6	20.3

5778 Jurafrance 3 2.6 192°.06 6°.6/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.62	−13 56.5	2.158	2.920	14.3	16.7
2 11	11 11.57	−14 23.8	2.072	2.918	11.8	16.5
2 21	11 3.69	−14 29.4	2.008	2.917	9.2	16.4
3 2	10 54.67	−14 12.6	1.970	2.915	7.1	16.2
3 12	10 45.42	−13 35.6	1.959	2.912	6.7	16.2
3 22	10 36.91	−12 43.3	1.976	2.909	8.4	16.3
4 1	10 29.96	−11 42.2	2.020	2.906	10.9	16.4
4 11	10 25.15	−10 39.7	2.086	2.902	13.6	16.6

193814 2001 PV_{57} 3 2.6 261°.43 0°.5/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.70	+ 2 10.4	1.500	2.356	14.9	20.6
2 11	11 11.53	+ 3 2.0	1.416	2.342	10.8	20.3
2 21	11 3.91	+ 4 13.4	1.356	2.327	5.9	20.0
3 2	10 54.68	+ 5 38.1	1.321	2.312	0.7	19.6
3 12	10 45.08	+ 7 6.9	1.315	2.297	5.0	19.8
3 22	10 36.41	+ 8 29.6	1.335	2.281	10.3	20.1
4 1	10 29.83	+ 9 38.0	1.378	2.265	15.0	20.3
4 11	10 26.09	+10 26.9	1.441	2.249	19.0	20.5

43058 1999 VT_{92} 3 2.6 323°.79 1°.0/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.33	+ 7 24.4	1.309	2.185	15.3	18.2
2 11	11 11.47	+ 7 53.5	1.235	2.172	10.8	17.9
2 21	11 3.94	+ 8 35.2	1.182	2.158	5.7	17.6
3 2	10 54.69	+ 9 22.8	1.155	2.146	1.0	17.2
3 12	10 45.12	+10 7.4	1.154	2.134	5.9	17.5
3 22	10 36.68	+10 41.4	1.177	2.123	11.4	17.8
4 1	10 30.62	+10 59.2	1.222	2.112	16.2	18.0
4 11	10 27.68	+10 58.5	1.285	2.102	20.3	18.3

58494 1996 UF_{1} 3 2.6 128°.10 3°.2/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.05	− 6 13.4	2.446	3.251	11.6	19.0
2 11	11 8.08	− 5 53.2	2.370	3.258	8.9	18.8
2 21	11 1.71	− 5 16.9	2.318	3.265	6.0	18.7
3 2	10 54.56	− 4 26.8	2.295	3.272	3.5	18.5
3 12	10 47.35	− 3 27.4	2.301	3.278	3.7	18.5
3 22	10 40.79	− 2 23.7	2.336	3.285	6.3	18.7
4 1	10 35.50	− 1 21.4	2.399	3.291	9.2	18.9
4 11	10 31.93	− 0 25.2	2.486	3.297	11.8	19.1

472437 2015 BL_{303} 3 2.6 303°.14 3°.0/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.33	+12 16.6	2.005	2.878	10.9	20.5
2 11	11 7.95	+13 38.6	1.928	2.864	7.6	20.3
2 21	11 1.81	+15 7.5	1.877	2.851	4.2	20.0
3 2	10 54.57	+16 35.5	1.855	2.837	3.3	19.9
3 12	10 47.14	+17 54.5	1.861	2.824	6.2	20.1
3 22	10 40.42	+18 58.2	1.895	2.810	9.8	20.3
4 1	10 35.24	+19 42.5	1.953	2.797	13.1	20.5
4 11	10 32.16	+20 6.3	2.031	2.784	16.0	20.6

522201 2016 AD_{262} 3 2.6 326°.91 1°.5/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.28	+ 0 56.8	1.467	2.324	15.1	21.5
2 11	11 9.76	+ 1 25.0	1.391	2.315	11.0	21.2
2 21	11 2.93	+ 2 12.0	1.336	2.306	6.3	20.9
3 2	10 54.64	+ 3 13.2	1.308	2.297	1.7	20.6
3 12	10 46.09	+ 4 20.5	1.306	2.289	4.7	20.8
3 22	10 38.53	+ 5 25.2	1.329	2.282	9.7	21.0
4 1	10 33.04	+ 6 19.8	1.377	2.275	14.2	21.3
4 11	10 30.27	+ 6 58.7	1.444	2.268	18.1	21.5

228389 2000 YV_{106} 3 2.6 53°.46 15°.1/13.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.01	+47 33.7	1.648	2.464	15.7	19.6
2 11	11 16.10	+49 49.0	1.654	2.485	15.1	19.6
2 21	11 6.20	+51 29.7	1.682	2.506	15.3	19.7
3 2	10 54.79	+52 27.0	1.730	2.527	16.2	19.8
3 12	10 43.79	+52 38.2	1.796	2.549	17.4	19.9
3 22	10 34.81	+52 7.5	1.879	2.571	18.8	20.1
4 1	10 28.93	+51 1.9	1.975	2.593	20.0	20.2
4 11	10 26.51	+49 30.0	2.082	2.615	20.9	20.4

388309 2006 SU_{258} 3 2.6 122°.68 1°.3/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.12	− 0 14.2	2.706	3.533	9.9	22.2
2 11	11 7.98	+ 0 15.4	2.638	3.546	7.2	22.1
2 21	11 1.62	+ 0 55.7	2.595	3.558	4.2	21.9
3 2	10 54.59	+ 1 43.8	2.582	3.570	1.5	21.7
3 12	10 47.54	+ 2 35.3	2.600	3.582	2.9	21.8
3 22	10 41.11	+ 3 26.0	2.648	3.594	5.8	22.1
4 1	10 35.84	+ 4 11.9	2.723	3.605	8.6	22.2
4 11	10 32.13	+ 4 49.7	2.823	3.616	11.0	22.4

28361 1999 FF_{59} 3 2.6 61°.38 3°.1/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.59	+11 48.9	1.485	2.360	13.9	17.9
2 11	11 12.36	+12 55.2	1.451	2.388	9.5	17.7
2 21	11 4.04	+14 5.7	1.442	2.417	5.1	17.5
3 2	10 54.71	+15 11.4	1.460	2.445	3.2	17.5
3 12	10 45.65	+16 3.9	1.505	2.474	6.6	17.8
3 22	10 37.98	+16 38.4	1.576	2.502	10.7	18.1
4 1	10 32.54	+16 52.8	1.670	2.530	14.2	18.3
4 11	10 29.72	+16 48.2	1.784	2.558	17.1	18.6

57024 2000 UD_{23} 3 2.6 194°.92 5°.7/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.94	+27 0.6	2.696	3.557	8.9	19.2
2 11	11 10.09	+28 4.0	2.642	3.555	7.0	19.1
2 21	11 2.78	+29 0.4	2.614	3.553	5.8	19.0
3 2	10 54.65	+29 44.1	2.616	3.551	6.1	19.0
3 12	10 46.51	+30 10.8	2.645	3.549	7.7	19.1
3 22	10 39.09	+30 18.5	2.701	3.547	9.8	19.2
4 1	10 33.07	+30 7.3	2.780	3.544	11.8	19.4
4 11	10 28.86	+29 39.2	2.878	3.541	13.5	19.5

132735 2002 PZ_{27} 3 2.6 190°.34 0°.3/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 14.29	+ 5 19.0	2.200	3.052	11.0	20.8
2 11	11 9.10	+ 6 0.6	2.126	3.051	7.7	20.6
2 21	11 2.33	+ 6 51.9	2.078	3.051	4.0	20.4
3 2	10 54.63	+ 7 48.1	2.059	3.050	0.3	20.1
3 12	10 46.85	+ 8 43.4	2.070	3.049	3.8	20.4
3 22	10 39.78	+ 9 32.6	2.109	3.048	7.5	20.6
4 1	10 34.16	+10 11.6	2.174	3.046	10.9	20.8
4 11	10 30.45	+10 37.7	2.262	3.045	13.7	21.0

451493 2011 UC_{198} 3 2.6 57°.93 3°.1/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.12	− 1 46.2	1.319	2.166	17.1	20.9
2 11	11 13.01	− 1 41.3	1.272	2.188	12.6	20.7
2 21	11 4.52	− 1 15.2	1.246	2.209	7.7	20.4
3 2	10 54.75	− 0 32.4	1.246	2.232	3.4	20.3
3 12	10 45.13	+ 0 19.5	1.271	2.254	5.0	20.4
3 22	10 36.97	+ 1 12.1	1.323	2.276	9.5	20.7
4 1	10 31.22	+ 1 57.9	1.398	2.299	13.8	21.0
4 11	10 28.39	+ 2 31.7	1.492	2.321	17.4	21.3

208964 2002 XS_{58} 3 2.6 95°.32 6°.0/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.04	+27 30.8	2.624	3.482	9.2	20.2
2 11	11 11.40	+28 47.9	2.602	3.512	7.2	20.1
2 21	11 3.38	+29 55.9	2.607	3.542	6.0	20.1
3 2	10 54.69	+30 48.7	2.641	3.572	6.4	20.2
3 12	10 46.15	+31 22.6	2.704	3.600	7.9	20.3
3 22	10 38.54	+31 36.3	2.793	3.629	9.8	20.5
4 1	10 32.44	+31 30.5	2.906	3.656	11.6	20.6
4 11	10 28.22	+31 7.8	3.037	3.683	13.1	20.8

221040 2005 QE_{71} 3 2.6 184°.27 3°.3/28.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.87	+16 49.6	2.417	3.275	9.9	21.3
2 11	11 13.57	+17 25.8	2.348	3.275	7.0	21.1
2 21	11 4.63	+18 1.4	2.307	3.275	4.2	21.0
3 2	10 54.76	+18 30.9	2.297	3.274	3.4	20.9
3 12	10 44.86	+18 49.8	2.317	3.273	5.6	21.1
3 22	10 35.79	+18 55.5	2.366	3.270	8.6	21.2
4 1	10 28.28	+18 46.8	2.441	3.267	11.4	21.4
4 11	10 22.80	+18 24.6	2.538	3.263	13.8	21.6

304848 2007 RD_{55} 3 2.6 282°.10 2°.6/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.24	− 1 1.3	1.491	2.337	15.6	20.9
2 11	11 11.93	− 0 51.2	1.407	2.323	11.6	20.6
2 21	11 4.15	− 0 21.4	1.345	2.310	7.1	20.3
3 2	10 54.75	+ 0 25.2	1.309	2.296	2.9	20.0
3 12	10 44.96	+ 1 21.9	1.299	2.282	4.9	20.1
3 22	10 36.13	+ 2 20.7	1.316	2.269	9.7	20.3
4 1	10 29.41	+ 3 13.5	1.357	2.255	14.4	20.5
4 11	10 25.56	+ 3 54.2	1.417	2.242	18.4	20.8

237681 2001 TS_{108} 3 2.6 220°.60 0°.7/ 2.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.86	+ 7 0.9	1.748	2.603	13.2	21.7
2 11	11 14.15	+ 7 31.6	1.668	2.595	9.3	21.4
2 21	11 5.19	+ 8 12.4	1.612	2.585	4.9	21.1
3 2	10 54.81	+ 8 57.7	1.585	2.575	0.7	20.8
3 12	10 44.18	+ 9 40.6	1.587	2.565	4.9	21.1
3 22	10 34.50	+10 15.2	1.616	2.554	9.5	21.3
4 1	10 26.79	+10 37.2	1.671	2.542	13.7	21.5
4 11	10 21.71	+10 44.4	1.746	2.529	17.1	21.7

271101 2003 QF_{94} 3 2.6 220°.58 0°.8/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.68	+ 6 49.0	2.404	3.255	10.2	21.5
2 11	11 9.33	+ 7 40.9	2.320	3.247	7.1	21.3
2 21	11 2.46	+ 8 41.3	2.264	3.238	3.7	21.1
3 2	10 54.66	+ 9 45.4	2.238	3.228	0.8	20.8
3 12	10 46.70	+10 47.4	2.241	3.218	4.0	21.1
3 22	10 39.37	+11 42.1	2.275	3.207	7.5	21.3
4 1	10 33.36	+12 25.7	2.335	3.196	10.6	21.4
4 11	10 29.16	+12 55.8	2.417	3.184	13.3	21.6

280176 2002 RO_{126} 3 2.6 72°.67 3°.8/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.82	+15 33.7	2.019	2.891	10.9	19.9
2 11	11 10.11	+16 51.3	1.983	2.917	7.6	19.8
2 21	11 2.79	+18 8.9	1.974	2.944	4.6	19.6
3 2	10 54.67	+19 19.0	1.994	2.970	4.0	19.6
3 12	10 46.70	+20 15.2	2.043	2.996	6.5	19.8
3 22	10 39.72	+20 53.6	2.118	3.022	9.5	20.1
4 1	10 34.41	+21 13.1	2.218	3.048	12.3	20.3
4 11	10 31.19	+21 14.3	2.338	3.073	14.6	20.5

296259 2009 DP_{33} 3 2.6 288°.83 0°.5/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.53	+ 5 47.5	2.294	3.149	10.5	20.7
2 11	11 7.84	+ 6 34.0	2.218	3.145	7.3	20.5
2 21	11 1.67	+ 7 29.7	2.167	3.141	3.8	20.2
3 2	10 54.62	+ 8 29.9	2.146	3.137	0.5	19.9
3 12	10 47.47	+ 9 28.8	2.154	3.133	3.8	20.2
3 22	10 40.97	+10 21.4	2.191	3.129	7.4	20.4
4 1	10 35.80	+11 3.4	2.254	3.125	10.6	20.6
4 11	10 32.45	+11 32.4	2.339	3.121	13.3	20.8

346822 2009 CO_{62} 3 2.6 340°.74 0°.6/ 2.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 13.68	+ 6 43.3	1.940	2.801	11.8	21.1
2 11	11 8.87	+ 7 15.4	1.866	2.796	8.3	20.9
2 21	11 2.29	+ 7 56.8	1.817	2.791	4.3	20.6
3 2	10 54.66	+ 8 42.5	1.795	2.786	0.6	20.3
3 12	10 46.91	+ 9 26.4	1.802	2.782	4.3	20.6
3 22	10 39.96	+10 3.3	1.837	2.778	8.3	20.8
4 1	10 34.61	+10 29.0	1.897	2.774	12.0	21.0
4 11	10 31.38	+10 41.3	1.977	2.771	15.0	21.2

308795 2006 QF_{50} 3 2.6 190°.03 0°.3/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.05	+ 3 55.2	2.087	2.930	11.8	22.2
2 11	11 11.83	+ 4 27.8	2.009	2.929	8.4	22.0
2 21	11 3.82	+ 5 11.4	1.957	2.928	4.5	21.8
3 2	10 54.75	+ 6 1.6	1.934	2.925	0.5	21.5
3 12	10 45.55	+ 6 52.6	1.942	2.922	3.9	21.7
3 22	10 37.15	+ 7 38.9	1.978	2.919	7.8	22.0
4 1	10 30.34	+ 8 16.1	2.041	2.914	11.4	22.2
4 11	10 25.68	+ 8 41.2	2.126	2.909	14.4	22.4

55817 1995 DA_{6} 3 2.6 180°.32 0°.5/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.46	+ 7 8.1	2.266	3.115	10.8	19.9
2 11	11 11.98	+ 7 34.9	2.192	3.116	7.6	19.7
2 21	11 3.85	+ 8 8.8	2.144	3.117	4.0	19.5
3 2	10 54.76	+ 8 45.6	2.126	3.117	0.5	19.2
3 12	10 45.59	+ 9 20.3	2.139	3.117	3.9	19.5
3 22	10 37.20	+ 9 48.8	2.181	3.116	7.6	19.7
4 1	10 30.32	+10 7.8	2.249	3.114	10.9	19.9
4 11	10 25.45	+10 15.7	2.340	3.112	13.6	20.1

135135 2001 QD_{180} 3 2.6 150°.44 2°.8/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.50	+15 35.1	2.406	3.267	9.8	19.9
2 11	11 11.89	+15 59.4	2.341	3.270	6.9	19.7
2 21	11 3.74	+16 23.6	2.304	3.274	4.0	19.6
3 2	10 54.75	+16 43.0	2.296	3.277	2.9	19.5
3 12	10 45.77	+16 53.7	2.319	3.281	5.2	19.6
3 22	10 37.61	+16 53.1	2.370	3.284	8.2	19.8
4 1	10 30.94	+16 40.2	2.447	3.287	11.0	20.0
4 11	10 26.22	+16 15.4	2.546	3.289	13.3	20.2

166828 2002 VF_{104} 3 2.6 165°.70 3°.5/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.18	− 5 53.8	2.301	3.108	12.1	20.0
2 11	11 9.00	− 5 48.8	2.220	3.109	9.3	19.8
2 21	11 2.30	− 5 27.7	2.164	3.110	6.3	19.6
3 2	10 54.69	− 4 52.2	2.135	3.111	3.8	19.5
3 12	10 46.97	− 4 6.1	2.135	3.112	4.1	19.5
3 22	10 39.92	− 3 14.4	2.164	3.113	6.8	19.6
4 1	10 34.23	− 2 22.7	2.220	3.113	9.8	19.8
4 11	10 30.40	− 1 35.9	2.299	3.113	12.5	20.0

370362 2002 SE_{62} 3 2.6 63°.77 8°.1/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.78	+30 32.8	1.950	2.807	11.9	20.2
2 11	11 14.99	+31 30.7	1.929	2.836	9.6	20.1
2 21	11 5.33	+32 14.2	1.934	2.864	8.2	20.1
3 2	10 54.85	+32 36.1	1.966	2.892	8.4	20.2
3 12	10 44.76	+32 32.9	2.024	2.921	10.1	20.3
3 22	10 36.11	+32 5.0	2.107	2.949	12.3	20.5
4 1	10 29.61	+31 15.7	2.211	2.977	14.4	20.7
4 11	10 25.64	+30 9.3	2.334	3.004	16.2	20.9

68209 2001 CV_{6} 3 2.6 250°.61 0°.3/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.35	+ 6 43.5	2.149	3.000	11.2	19.3
2 11	11 11.36	+ 7 1.4	2.064	2.990	7.9	19.1
2 21	11 3.61	+ 7 27.0	2.006	2.978	4.2	18.9
3 2	10 54.77	+ 7 56.5	1.976	2.967	0.3	18.5
3 12	10 45.75	+ 8 25.0	1.976	2.955	4.0	18.8
3 22	10 37.45	+ 8 48.2	2.005	2.944	7.9	19.0
4 1	10 30.68	+ 9 2.7	2.060	2.932	11.4	19.2
4 11	10 26.01	+ 9 6.3	2.137	2.919	14.4	19.4

452712 2005 YV_{130} 3 2.6 28°.66 3°.7/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.31	− 1 1.6	1.086	1.948	18.9	20.6
2 11	11 12.95	− 1 21.6	1.035	1.958	14.1	20.3
2 21	11 4.73	− 1 18.9	1.003	1.968	8.7	20.1
3 2	10 54.84	− 0 56.5	0.993	1.979	4.1	19.8
3 12	10 44.96	− 0 21.6	1.008	1.992	5.8	20.0
3 22	10 36.67	+ 0 17.1	1.047	2.005	10.9	20.3
4 1	10 31.17	+ 0 51.2	1.107	2.019	15.7	20.6
4 11	10 29.02	+ 1 14.4	1.185	2.034	19.8	20.9

29192 1990 VK_{2} 3 2.6 186°.14 2°.6/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.62	+16 2.5	3.098	3.958	7.9	19.4
2 11	11 8.99	+16 50.9	3.028	3.957	5.5	19.2
2 21	11 2.18	+17 39.6	2.988	3.956	3.3	19.1
3 2	10 54.70	+18 24.4	2.978	3.955	2.8	19.0
3 12	10 47.17	+19 1.4	2.999	3.953	4.6	19.2
3 22	10 40.18	+19 27.7	3.049	3.950	7.0	19.3
4 1	10 34.28	+19 41.7	3.126	3.947	9.3	19.5
4 11	10 29.86	+19 43.3	3.225	3.943	11.2	19.6

92511 2000 NK_{20} 3 2.6 207.°86 0.°9/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.17	+ 5 51.5	1.548	2.412	14.1	19.7
2 11	11 11.69	+ 6 50.1	1.479	2.410	9.9	19.4
2 21	11 3.94	+ 8 2.7	1.434	2.408	5.1	19.1
3 2	10 54.81	+ 9 21.6	1.415	2.406	0.9	18.8
3 12	10 45.51	+10 37.5	1.425	2.403	5.4	19.1
3 22	10 37.26	+11 42.1	1.461	2.400	10.2	19.4
4 1	10 31.08	+12 29.5	1.521	2.397	14.4	19.6
4 11	10 27.60	+12 57.3	1.600	2.394	18.0	19.9

473507 2015 XP_{136} 3 2.6 139.°56 1.°7/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.19	+ 8 23.5	1.612	2.475	13.7	21.7
2 11	11 13.62	+ 9 19.3	1.554	2.485	9.5	21.5
2 21	11 4.86	+10 24.4	1.520	2.495	4.9	21.2
3 2	10 54.86	+11 31.1	1.515	2.504	1.7	21.0
3 12	10 44.86	+12 31.0	1.538	2.513	5.6	21.3
3 22	10 36.04	+13 17.5	1.588	2.521	10.1	21.6
4 1	10 29.35	+13 46.8	1.662	2.528	14.0	21.8
4 11	10 25.33	+13 57.8	1.756	2.535	17.2	22.1

29303 1993 TO_{36} 3 2.6 166.°91 3.°4/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.34	− 4 42.4	2.354	3.154	12.1	18.5
2 11	11 13.27	− 4 56.8	2.273	3.160	9.3	18.3
2 21	11 4.55	− 4 57.0	2.219	3.165	6.2	18.1
3 2	10 54.84	− 4 44.3	2.193	3.169	3.7	18.0
3 12	10 45.03	− 4 21.5	2.198	3.173	4.2	18.0
3 22	10 35.96	− 3 52.7	2.233	3.175	6.9	18.2
4 1	10 28.39	− 3 22.6	2.295	3.178	10.0	18.4
4 11	10 22.82	− 2 55.5	2.382	3.179	12.7	18.5

182467 2001 SO_{92} 3 2.6 228.°75 0.°3/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.75	+ 4 28.9	1.794	2.646	13.0	20.5
2 11	11 11.86	+ 4 48.9	1.719	2.643	9.3	20.3
2 21	11 3.95	+ 5 20.4	1.669	2.640	5.0	20.0
3 2	10 54.81	+ 5 58.9	1.646	2.637	0.5	19.7
3 12	10 45.54	+ 6 38.4	1.653	2.634	4.3	20.0
3 22	10 37.18	+ 7 13.2	1.687	2.631	8.7	20.2
4 1	10 30.65	+ 7 38.6	1.745	2.627	12.6	20.5
4 11	10 26.54	+ 7 51.9	1.825	2.624	15.9	20.7

145395 2005 ND_{51} 3 2.6 7.°04 7.°5/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.66	− 9 43.7	1.464	2.273	17.7	19.5
2 11	11 12.92	−10 43.1	1.392	2.273	14.4	19.3
2 21	11 4.68	−11 18.4	1.341	2.274	10.8	19.1
3 2	10 54.86	−11 27.4	1.314	2.275	8.0	18.9
3 12	10 44.78	−11 12.4	1.312	2.277	7.9	18.9
3 22	10 35.79	−10 39.0	1.335	2.280	10.4	19.1
4 1	10 29.05	− 9 55.6	1.381	2.283	14.0	19.3
4 11	10 25.24	− 9 11.1	1.448	2.286	17.3	19.5

200993 2002 CE_{145} 3 2.6 68.°60 2.°2/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.25	+ 0 7.7	1.342	2.191	16.8	19.5
2 11	11 14.45	+ 0 16.4	1.298	2.216	12.2	19.3
2 21	11 5.28	+ 0 43.7	1.276	2.242	7.1	19.1
3 2	10 54.88	+ 1 24.6	1.279	2.267	2.6	18.9
3 12	10 44.72	+ 2 11.4	1.310	2.293	4.8	19.1
3 22	10 36.06	+ 2 56.5	1.367	2.318	9.5	19.4
4 1	10 29.88	+ 3 33.4	1.447	2.343	13.8	19.7
4 11	10 26.62	+ 3 57.9	1.548	2.368	17.3	20.0

219148 1999 JV_{23} 3 2.6 322.°80 6.°3/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.62	+20 23.6	1.455	2.337	13.6	19.5
2 11	11 13.01	+21 17.0	1.385	2.320	10.1	19.3
2 21	11 4.77	+22 7.5	1.338	2.304	7.0	19.1
3 2	10 54.87	+22 45.3	1.317	2.288	6.7	19.0
3 12	10 44.74	+23 1.8	1.322	2.272	9.6	19.1
3 22	10 35.80	+22 53.0	1.351	2.258	13.6	19.3
4 1	10 29.25	+22 18.6	1.400	2.244	17.4	19.5
4 11	10 25.76	+21 21.7	1.467	2.230	20.7	19.7

170226 2003 QF_{18} 3 2.6 124.°67 1.°1/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.94	+ 7 44.4	1.832	2.688	12.6	21.0
2 11	11 13.19	+ 8 26.9	1.776	2.704	8.8	20.8
2 21	11 4.54	+ 9 17.5	1.745	2.719	4.5	20.6
3 2	10 54.86	+10 10.0	1.744	2.734	1.1	20.4
3 12	10 45.23	+10 57.8	1.771	2.748	4.8	20.6
3 22	10 36.68	+11 35.6	1.827	2.761	8.9	20.9
4 1	10 30.03	+11 59.9	1.908	2.774	12.4	21.2
4 11	10 25.77	+12 9.4	2.010	2.786	15.4	21.4

243105 2007 RE_{103} 3 2.6 196.°11 0.°7/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.72	+ 2 22.4	2.058	2.896	12.2	21.8
2 11	11 12.37	+ 2 56.2	1.977	2.893	8.8	21.6
2 21	11 4.17	+ 3 42.8	1.921	2.889	4.9	21.3
3 2	10 54.84	+ 4 37.9	1.894	2.885	0.9	21.0
3 12	10 45.35	+ 5 35.4	1.898	2.879	3.8	21.2
3 22	10 36.64	+ 6 29.4	1.931	2.873	7.9	21.5
4 1	10 29.56	+ 7 14.8	1.990	2.866	11.6	21.7
4 11	10 24.68	+ 7 48.2	2.072	2.858	14.7	21.9

111410 2001 XK_{184} 3 2.6 126.°63 1.°3/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.46	+ 0 57.8	1.734	2.575	14.0	20.7
2 11	11 12.96	+ 1 31.6	1.673	2.590	10.1	20.5
2 21	11 4.47	+ 2 20.7	1.637	2.604	5.7	20.3
3 2	10 54.86	+ 3 20.2	1.628	2.618	1.5	20.0
3 12	10 45.27	+ 4 22.7	1.649	2.631	4.1	20.3
3 22	10 36.76	+ 5 21.4	1.698	2.644	8.5	20.5
4 1	10 30.21	+ 6 10.5	1.772	2.656	12.3	20.8
4 11	10 26.12	+ 6 46.1	1.868	2.667	15.6	21.0

495020 2010 RJ_{163} 3 2.6 189.°26 1.°3/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.84	+ 8 1.1	2.065	2.920	11.4	22.6
2 11	11 11.73	+ 8 55.0	1.991	2.920	8.0	22.4
2 21	11 3.82	+ 9 57.4	1.944	2.918	4.1	22.1
3 2	10 54.84	+11 2.2	1.926	2.916	1.3	21.9
3 12	10 45.74	+12 2.7	1.939	2.913	4.7	22.2
3 22	10 37.45	+12 53.3	1.979	2.909	8.5	22.4
4 1	10 30.79	+13 30.0	2.046	2.905	12.0	22.6
4 11	10 26.29	+13 51.1	2.134	2.900	14.9	22.8

213586 2002 NX_{60} 3 2.6 226.°40 1.°0/ 1.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.55	+ 7 41.2	1.949	2.804	12.0	21.6
2 11	11 12.38	+ 8 20.2	1.867	2.795	8.4	21.4
2 21	11 4.24	+ 9 8.0	1.811	2.784	4.4	21.1
3 2	10 54.87	+ 9 59.3	1.783	2.773	1.0	20.8
3 12	10 45.28	+10 47.5	1.785	2.762	4.7	21.1
3 22	10 36.50	+11 27.1	1.816	2.750	8.9	21.3
4 1	10 29.44	+11 54.0	1.871	2.737	12.6	21.5
4 11	10 24.70	+12 6.2	1.948	2.724	15.8	21.7

93172 2000 SQ_{100} 3 2.6 194.°72 3.°3/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.58	− 4 33.5	2.292	3.100	12.1	20.9
2 11	11 11.44	− 4 37.9	2.207	3.098	9.3	20.7
2 21	11 3.65	− 4 27.4	2.146	3.095	6.2	20.5
3 2	10 54.84	− 4 3.5	2.114	3.092	3.6	20.3
3 12	10 45.87	− 3 29.6	2.112	3.089	4.1	20.3
3 22	10 37.60	− 2 50.4	2.139	3.085	7.0	20.5
4 1	10 30.76	− 2 10.8	2.193	3.080	10.1	20.7
4 11	10 25.89	− 1 35.5	2.271	3.076	13.0	20.9

333234 2012 HQ_{49} 3 2.6 280.°81 0.°6/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.07	+ 5 35.4	1.788	2.648	12.7	21.4
2 11	11 10.08	+ 6 23.4	1.705	2.635	9.0	21.2
2 21	11 3.09	+ 7 24.1	1.647	2.621	4.7	20.9
3 2	10 54.81	+ 8 31.6	1.617	2.608	0.6	20.5
3 12	10 46.29	+ 9 38.2	1.616	2.595	4.7	20.8
3 22	10 38.57	+10 36.9	1.641	2.582	9.2	21.0
4 1	10 32.60	+11 22.1	1.691	2.568	13.2	21.3
4 11	10 28.99	+11 50.7	1.762	2.555	16.6	21.5

160572 1999 CM_{46} 3 2.6 88.°88 1.°7/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.72	+ 8 57.4	2.166	3.028	10.7	19.5
2 11	11 8.67	+10 8.9	2.112	3.044	7.3	19.3
2 21	11 2.12	+11 27.1	2.084	3.059	3.8	19.1
3 2	10 54.75	+12 45.4	2.086	3.074	1.8	19.0
3 12	10 47.40	+13 57.1	2.118	3.089	4.7	19.2
3 22	10 40.85	+14 56.9	2.178	3.104	8.1	19.4
4 1	10 35.77	+15 41.3	2.264	3.119	11.2	19.6
4 11	10 32.59	+16 9.2	2.371	3.133	13.7	19.8

437969 2003 HB_{58} 3 2.6 285.°90 6.°5/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.83	−17 27.3	2.486	3.225	13.2	21.7
2 11	11 7.40	−17 28.8	2.393	3.219	11.1	21.5
2 21	11 1.51	−17 8.0	2.322	3.214	9.0	21.4
3 2	10 54.72	−16 24.6	2.276	3.208	7.1	21.2
3 12	10 47.78	−15 21.4	2.257	3.203	6.5	21.2
3 22	10 41.42	−14 3.3	2.265	3.197	7.5	21.2
4 1	10 36.31	−12 36.8	2.301	3.192	9.6	21.4
4 11	10 32.94	−11 9.1	2.361	3.186	11.9	21.5

31912 Lukasgrafner 3 2.6 261.°72 1.°3/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.38	+ 8 18.8	1.869	2.730	12.2	20.0
2 11	11 11.67	+ 8 59.0	1.784	2.714	8.6	19.7
2 21	11 3.93	+ 9 48.4	1.724	2.698	4.5	19.4
3 2	10 54.87	+10 41.0	1.692	2.682	1.3	19.2
3 12	10 45.54	+11 30.1	1.689	2.665	5.0	19.4
3 22	10 37.00	+12 9.8	1.714	2.649	9.3	19.6
4 1	10 30.20	+12 35.7	1.764	2.631	13.2	19.8
4 11	10 25.78	+12 45.9	1.834	2.614	16.5	20.0

61888 2000 QO_{220} 3 2.6 59.°69 0.°4/ 2.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.53	+ 3 56.5	1.749	2.603	13.2	19.2
2 11	11 11.00	+ 4 22.4	1.681	2.606	9.4	18.9
2 21	11 3.49	+ 5 0.8	1.637	2.609	5.1	18.7
3 2	10 54.84	+ 5 46.6	1.621	2.612	0.6	18.3
3 12	10 46.10	+ 6 33.5	1.633	2.615	4.2	18.6
3 22	10 38.33	+ 7 15.3	1.672	2.618	8.6	18.9
4 1	10 32.39	+ 7 47.1	1.737	2.621	12.5	19.1
4 11	10 28.83	+ 8 6.0	1.822	2.625	15.8	19.4

92748 2000 QS_{111} 3 2.6 78°.24 0°.4/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.52	+ 5 59.4	1.422	2.285	15.2	19.7
2 11	11 13.93	+ 6 31.4	1.374	2.304	10.6	19.5
2 21	11 5.03	+ 7 15.0	1.350	2.324	5.5	19.2
3 2	10 54.92	+ 8 3.4	1.352	2.343	0.5	18.9
3 12	10 44.96	+ 8 48.7	1.382	2.362	5.1	19.3
3 22	10 36.40	+ 9 24.3	1.438	2.381	9.9	19.6
4 1	10 30.20	+ 9 46.2	1.517	2.400	14.1	19.9
4 11	10 26.82	+ 9 52.5	1.617	2.418	17.5	20.2

248820 2006 SS_{265} 3 2.6 193°.38 2°.0/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.74	+11 17.4	2.685	3.546	8.9	20.6
2 11	11 7.86	+12 24.6	2.613	3.545	6.1	20.4
2 21	11 1.68	+13 36.3	2.569	3.543	3.3	20.2
3 2	10 54.73	+14 47.4	2.556	3.540	2.1	20.1
3 12	10 47.70	+15 52.5	2.573	3.538	4.5	20.3
3 22	10 41.25	+16 47.0	2.619	3.535	7.4	20.5
4 1	10 35.96	+17 28.1	2.691	3.532	10.1	20.6
4 11	10 32.26	+17 54.6	2.786	3.528	12.3	20.8

242044 2002 RH_{132} 3 2.6 130°.94 5°.0/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.25	−11 5.2	2.292	3.072	13.0	20.5
2 11	11 9.09	−11 6.5	2.213	3.077	10.5	20.3
2 21	11 2.39	−10 48.2	2.156	3.082	7.7	20.2
3 2	10 54.78	−10 11.2	2.127	3.087	5.5	20.0
3 12	10 47.06	− 9 18.9	2.125	3.091	5.2	20.0
3 22	10 40.03	− 8 16.7	2.152	3.096	7.1	20.1
4 1	10 34.40	− 7 10.9	2.206	3.100	9.8	20.3
4 11	10 30.64	− 6 7.5	2.283	3.104	12.4	20.5

98632 2000 WQ_{103} 3 2.6 185°.02 4°.1/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.71	+15 17.6	1.811	2.682	12.0	20.1
2 11	11 12.56	+16 35.9	1.749	2.682	8.4	19.8
2 21	11 4.33	+17 56.9	1.712	2.682	5.1	19.6
3 2	10 54.89	+19 11.9	1.704	2.681	4.4	19.6
3 12	10 45.35	+20 12.6	1.725	2.680	7.3	19.8
3 22	10 36.81	+20 53.7	1.772	2.678	10.9	20.0
4 1	10 30.18	+21 13.1	1.843	2.676	14.3	20.2
4 11	10 26.04	+21 11.4	1.933	2.673	17.1	20.4

378742 2008 RA_{41} 3 2.6 36°.58 2°.4/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.89	− 4 6.7	1.742	2.575	14.2	20.8
2 11	11 7.73	− 3 7.2	1.674	2.583	10.6	20.6
2 21	11 1.76	− 1 45.7	1.630	2.591	6.5	20.3
3 2	10 54.75	− 0 7.6	1.613	2.599	2.8	20.1
3 12	10 47.67	+ 1 38.4	1.624	2.608	4.0	20.2
3 22	10 41.49	+ 3 23.0	1.664	2.617	8.0	20.5
4 1	10 37.01	+ 4 57.4	1.729	2.626	11.8	20.7
4 11	10 34.72	+ 6 15.8	1.816	2.636	15.1	20.9

310957 2003 UX_{94} 3 2.6 122°.46 0°.1/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.75	+ 4 6.0	1.805	2.655	13.1	22.0
2 11	11 12.42	+ 4 46.0	1.746	2.669	9.2	21.8
2 21	11 4.18	+ 5 37.9	1.712	2.683	4.9	21.5
3 2	10 54.89	+ 6 36.0	1.706	2.697	0.3	21.2
3 12	10 45.62	+ 7 33.5	1.729	2.710	4.2	21.5
3 22	10 37.39	+ 8 24.0	1.781	2.723	8.5	21.8
4 1	10 31.03	+ 9 2.9	1.858	2.735	12.2	22.1
4 11	10 27.03	+ 9 27.6	1.956	2.746	15.3	22.3

424402 2008 AT_{9} 3 2.6 263°.75 2°.9/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.39	− 2 20.9	1.770	2.601	14.2	21.4
2 11	11 11.81	− 2 15.0	1.679	2.586	10.7	21.2
2 21	11 4.06	− 1 51.2	1.611	2.571	6.8	20.9
3 2	10 54.89	− 1 11.8	1.571	2.555	3.3	20.6
3 12	10 45.38	− 0 21.9	1.558	2.540	4.5	20.7
3 22	10 36.65	+ 0 32.0	1.573	2.524	8.6	20.9
4 1	10 29.71	+ 1 22.9	1.613	2.507	12.7	21.1
4 11	10 25.27	+ 2 4.9	1.675	2.491	16.4	21.3

328286 2008 GS_{102} 3 2.6 146°.71 2°.2/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.45	+10 33.1	1.910	2.776	11.7	21.2
2 11	11 10.83	+11 34.2	1.847	2.781	8.1	21.0
2 21	11 3.37	+12 41.8	1.811	2.785	4.3	20.8
3 2	10 54.86	+13 48.8	1.802	2.789	2.4	20.7
3 12	10 46.29	+14 47.9	1.823	2.793	5.5	20.9
3 22	10 38.65	+15 33.7	1.872	2.797	9.3	21.1
4 1	10 32.72	+16 2.8	1.945	2.800	12.7	21.3
4 11	10 29.04	+16 14.4	2.038	2.803	15.6	21.5

322795 2001 QZ_{234} 3 2.6 123°.04 1°.8/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.85	+11 15.6	1.839	2.699	12.4	20.1
2 11	11 14.61	+11 29.6	1.776	2.706	8.7	19.9
2 21	11 5.35	+11 47.3	1.739	2.713	4.5	19.7
3 2	10 54.97	+12 3.6	1.731	2.720	1.8	19.5
3 12	10 44.62	+12 13.6	1.752	2.727	5.1	19.7
3 22	10 35.37	+12 13.8	1.801	2.733	9.1	20.0
4 1	10 28.09	+12 2.5	1.876	2.739	12.7	20.2
4 11	10 23.30	+11 39.3	1.971	2.745	15.7	20.4

366412 2001 TA_{6} 3 2.6 208°.40 1°.4/ 1.1 13 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.82	+ 8 54.7	2.388	3.241	10.2	22.8
2 11	11 10.88	+ 9 47.7	2.307	3.234	7.1	22.6
2 21	11 3.36	+10 47.6	2.253	3.226	3.7	22.4
3 2	10 54.86	+11 49.1	2.229	3.217	1.4	22.2
3 12	10 46.22	+12 46.5	2.235	3.208	4.4	22.4
3 22	10 38.23	+13 34.8	2.272	3.198	7.8	22.6
4 1	10 31.62	+14 10.6	2.335	3.187	11.0	22.7
4 11	10 26.90	+14 32.2	2.419	3.175	13.6	22.9

463625 2013 TE_{30} 3 2.6 187°.86 3°.9/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.60	+18 2.3	2.375	3.239	9.8	21.6
2 11	11 11.40	+18 56.7	2.309	3.239	7.0	21.4
2 21	11 3.60	+19 50.3	2.272	3.238	4.5	21.2
3 2	10 54.88	+20 36.9	2.264	3.236	4.1	21.2
3 12	10 46.10	+21 11.4	2.285	3.234	6.2	21.3
3 22	10 38.11	+21 30.6	2.335	3.232	9.1	21.5
4 1	10 31.61	+21 33.2	2.409	3.229	11.8	21.7
4 11	10 27.08	+21 19.8	2.504	3.225	14.1	21.8

268517 2005 YR_{191} 3 2.6 62°.36 0°.4/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.46	+ 4 12.5	1.807	2.660	12.9	21.1
2 11	11 10.88	+ 4 36.1	1.741	2.666	9.2	20.8
2 21	11 3.42	+ 5 11.1	1.701	2.672	4.9	20.6
3 2	10 54.87	+ 5 52.8	1.687	2.678	0.6	20.3
3 12	10 46.27	+ 6 35.4	1.703	2.684	4.1	20.6
3 22	10 38.63	+ 7 12.9	1.746	2.691	8.3	20.8
4 1	10 32.77	+ 7 41.1	1.814	2.697	12.1	21.1
4 11	10 29.21	+ 7 57.0	1.903	2.704	15.3	21.3

468245 2015 BV_{253} 3 2.6 164°.06 1°.1/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.10	+ 1 1.5	2.262	3.098	11.3	21.4
2 11	11 9.67	+ 1 33.1	2.187	3.101	8.2	21.2
2 21	11 2.70	+ 2 17.0	2.138	3.104	4.7	21.0
3 2	10 54.83	+ 3 9.4	2.118	3.107	1.3	20.8
3 12	10 46.88	+ 4 5.1	2.127	3.110	3.4	20.9
3 22	10 39.65	+ 4 58.8	2.166	3.112	7.0	21.2
4 1	10 33.82	+ 5 45.8	2.232	3.114	10.2	21.4
4 11	10 29.88	+ 6 22.4	2.321	3.115	13.0	21.6

1389 Onnie 3 2.6 50°.79 0°.2/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.53	+ 3 52.5	1.982	2.834	12.0	16.1
2 11	11 9.44	+ 4 29.2	1.911	2.835	8.5	15.9
2 21	11 2.64	+ 5 17.5	1.865	2.836	4.6	15.7
3 2	10 54.82	+ 6 12.6	1.847	2.838	0.4	15.3
3 12	10 46.92	+ 7 8.4	1.857	2.839	3.9	15.6
3 22	10 39.82	+ 7 58.9	1.896	2.840	7.9	15.9
4 1	10 34.31	+ 8 39.5	1.961	2.841	11.5	16.1
4 11	10 30.88	+ 9 7.1	2.047	2.843	14.5	16.3

454136 2013 CZ_{198} 3 2.6 16°.19 1°.3/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.73	+ 1 26.7	1.127	1.999	17.6	21.5
2 11	11 10.46	+ 2 0.3	1.070	2.002	12.7	21.2
2 21	11 3.48	+ 2 56.1	1.034	2.006	7.1	20.9
3 2	10 54.88	+ 4 7.0	1.021	2.011	1.6	20.6
3 12	10 46.19	+ 5 22.3	1.032	2.017	5.3	20.8
3 22	10 38.89	+ 6 31.1	1.068	2.024	11.0	21.2
4 1	10 34.16	+ 7 24.8	1.125	2.031	16.0	21.5
4 11	10 32.60	+ 7 58.3	1.200	2.039	20.1	21.7

318025 2004 EO_{6} 3 2.6 166°.83 2°.4/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.25	+13 11.2	2.043	2.901	11.4	20.3
2 11	11 14.78	+13 33.3	1.976	2.905	8.0	20.1
2 21	11 5.42	+13 57.3	1.936	2.908	4.3	19.8
3 2	10 55.00	+14 18.0	1.925	2.911	2.4	19.7
3 12	10 44.56	+14 30.6	1.945	2.914	5.3	19.9
3 22	10 35.12	+14 31.9	1.993	2.916	8.9	20.1
4 1	10 27.50	+14 20.5	2.067	2.917	12.3	20.3
4 11	10 22.22	+13 56.6	2.162	2.918	15.0	20.5

447212 2005 TY_{62} 3 2.6 39°.69 3°.1/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.87	+10 56.1	1.151	2.035	16.3	20.5
2 11	11 13.30	+11 49.1	1.102	2.043	11.3	20.3
2 21	11 4.93	+12 50.5	1.075	2.052	6.0	20.0
3 2	10 54.98	+13 49.9	1.073	2.061	3.2	19.8
3 12	10 45.09	+14 37.0	1.096	2.070	7.4	20.1
3 22	10 36.79	+15 4.8	1.143	2.080	12.6	20.4
4 1	10 31.21	+15 10.3	1.210	2.091	17.1	20.7
4 11	10 28.91	+14 54.1	1.295	2.102	20.8	21.0

496384 2013 TQ_{24} 3 2.6 206°.64 4°.0/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.87	− 9 0.3	2.439	3.226	12.1	22.6
2 11	11 9.53	− 8 41.4	2.347	3.220	9.6	22.4
2 21	11 2.66	− 8 4.0	2.278	3.214	6.8	22.2
3 2	10 54.85	− 7 9.6	2.238	3.207	4.4	22.1
3 12	10 46.88	− 6 2.4	2.227	3.200	4.3	22.0
3 22	10 39.50	− 4 47.8	2.246	3.192	6.7	22.2
4 1	10 33.41	− 3 32.2	2.292	3.183	9.6	22.3
4 11	10 29.13	− 2 21.4	2.363	3.174	12.3	22.5

464809 2004 RS_{103} 3 2.6 213°.53 1°.3/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.82	+ 0 30.1	2.617	3.441	10.3	22.5
2 11	11 10.80	+ 0 49.0	2.525	3.432	7.6	22.3
2 21	11 3.30	+ 1 18.8	2.459	3.422	4.4	22.1
3 2	10 54.90	+ 1 56.8	2.423	3.411	1.5	21.9
3 12	10 46.32	+ 2 39.0	2.418	3.400	3.1	22.0
3 22	10 38.31	+ 3 21.2	2.444	3.387	6.4	22.2
4 1	10 31.53	+ 3 59.3	2.497	3.374	9.5	22.4
4 11	10 26.48	+ 4 30.0	2.575	3.361	12.1	22.5

30473 Ethanbutson 3 2.6 281°.07 0°.0/ 2.7 18

2 1	11 14.31	+ 4 52.3	2.199	3.049	11.0	18.9
2 11	11 9.25	+ 5 21.4	2.113	3.037	7.8	18.7
2 21	11 2.56	+ 6 0.5	2.054	3.026	4.2	18.4
3 2	10 54.86	+ 6 45.3	2.023	3.014	0.3	18.1
3 12	10 46.97	+ 7 30.7	2.021	3.002	3.7	18.4
3 22	10 39.75	+ 8 11.7	2.048	2.990	7.5	18.6
4 1	10 33.94	+ 8 44.0	2.101	2.978	11.0	18.8
4 11	10 30.07	+ 9 4.9	2.176	2.966	13.9	18.9

338899 2004 CF_{93} 3 2.6 66°.70 5°.0/25.9 18

2 1	11 14.70	+18 55.8	1.977	2.853	10.9	19.6
2 11	11 9.53	+20 26.6	1.936	2.869	7.8	19.5
2 21	11 2.65	+21 55.2	1.921	2.885	5.4	19.4
3 2	10 54.85	+23 13.3	1.935	2.901	5.4	19.4
3 12	10 47.12	+24 13.9	1.977	2.917	7.7	19.6
3 22	10 40.34	+24 53.1	2.045	2.933	10.6	19.8
4 1	10 35.24	+25 10.1	2.136	2.949	13.3	20.0
4 11	10 32.28	+25 6.3	2.246	2.965	15.6	20.2

512280 2016 FL_{62} 3 2.6 168°.64 0°.6/ 1.7 17

2 1	11 12.39	+ 5 54.0	2.873	3.720	8.8	21.5
2 11	11 7.54	+ 6 59.3	2.799	3.724	6.1	21.4
2 21	11 1.51	+ 8 12.3	2.754	3.727	3.2	21.2
3 2	10 54.80	+ 9 28.4	2.739	3.730	0.6	21.0
3 12	10 48.02	+10 42.4	2.756	3.732	3.3	21.2
3 22	10 41.78	+11 49.8	2.803	3.734	6.3	21.4
4 1	10 36.61	+12 46.9	2.878	3.736	9.0	21.6
4 11	10 32.90	+13 31.5	2.977	3.737	11.2	21.7

172810 2004 GR_{32} 3 2.6 6°.10 0°.7/ 3.2 17

2 1	11 16.85	+ 4 23.2	2.017	2.865	12.0	19.4
2 11	11 11.06	+ 4 23.5	1.944	2.865	8.6	19.2
2 21	11 3.50	+ 4 33.1	1.896	2.866	4.7	19.0
3 2	10 54.92	+ 4 48.7	1.876	2.867	0.9	18.7
3 12	10 46.25	+ 5 6.2	1.886	2.868	3.7	18.9
3 22	10 38.42	+ 5 21.3	1.923	2.869	7.7	19.2
4 1	10 32.20	+ 5 30.7	1.987	2.870	11.2	19.4
4 11	10 28.12	+ 5 31.6	2.072	2.872	14.2	19.6

87911 2000 SZ_{312} 3 2.6 251°.39 3°.4/ 5.3 17

2 1	11 19.56	− 2 46.7	1.992	2.811	13.3	19.3
2 11	11 13.13	− 3 9.3	1.903	2.802	10.1	19.1
2 21	11 4.70	− 3 17.6	1.838	2.792	6.6	18.9
3 2	10 55.00	− 3 12.4	1.802	2.782	3.7	18.6
3 12	10 45.02	− 2 56.9	1.794	2.772	4.5	18.7
3 22	10 35.81	− 2 35.4	1.815	2.762	8.0	18.9
4 1	10 28.26	− 2 12.7	1.862	2.751	11.6	19.1
4 11	10 23.03	− 1 53.7	1.931	2.740	14.8	19.2

44747 1999 TN_{80} 3 2.6 334°.56 3°.4/29.2 18

2 1	11 17.66	+12 32.6	1.322	2.204	14.8	17.6
2 11	11 12.41	+13 17.4	1.256	2.196	10.4	17.4
2 21	11 4.52	+14 8.6	1.213	2.189	5.7	17.1
3 2	10 54.98	+14 57.3	1.196	2.182	3.5	16.9
3 12	10 45.26	+15 34.2	1.204	2.176	7.4	17.1
3 22	10 36.80	+15 53.1	1.237	2.170	12.2	17.4
4 1	10 30.77	+15 50.9	1.291	2.165	16.6	17.6
4 11	10 27.83	+15 28.1	1.363	2.161	20.3	17.9

167611 2004 CN_{7} 3 2.6 157°.62 1°.9/29.2 17

2 1	11 13.59	+10 40.8	2.523	3.383	9.4	20.2
2 11	11 8.51	+11 47.2	2.457	3.388	6.5	20.0
2 21	11 2.07	+12 58.6	2.419	3.393	3.4	19.8
3 2	10 54.84	+14 9.5	2.411	3.397	2.0	19.7
3 12	10 47.56	+15 14.0	2.434	3.401	4.5	19.9
3 22	10 40.93	+16 7.7	2.485	3.405	7.6	20.1
4 1	10 35.56	+16 47.7	2.563	3.408	10.4	20.3
4 11	10 31.88	+17 12.6	2.663	3.411	12.7	20.4

333106 2011 UG_{311} 3 2.6 46°.24 1°.3/ 3.6 18

2 1	11 17.25	+ 1 42.8	1.275	2.137	16.6	21.2
2 11	11 11.92	+ 2 9.1	1.223	2.150	11.9	20.9
2 21	11 4.13	+ 2 54.0	1.193	2.164	6.7	20.7
3 2	10 54.96	+ 3 51.2	1.188	2.178	1.6	20.4
3 12	10 45.84	+ 4 51.8	1.209	2.192	4.9	20.6
3 22	10 38.11	+ 5 46.9	1.255	2.207	10.1	21.0
4 1	10 32.78	+ 6 29.7	1.324	2.223	14.6	21.3
4 11	10 30.39	+ 6 56.1	1.412	2.238	18.3	21.5

488992 2005 UC_{395} 3 2.6 235°.19 1°.5/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.01	+ 7 57.2	1.612	2.475	13.7	22.1
2 11	11 13.82	+ 8 49.2	1.532	2.463	9.7	21.8
2 21	11 5.21	+ 9 52.8	1.475	2.450	5.0	21.5
3 2	10 55.03	+11 0.7	1.447	2.436	1.6	21.2
3 12	10 44.54	+12 4.1	1.446	2.422	5.7	21.5
3 22	10 35.00	+12 55.5	1.473	2.407	10.5	21.7
4 1	10 27.54	+13 29.8	1.524	2.392	14.9	21.9
4 11	10 22.88	+13 44.9	1.594	2.376	18.5	22.1

205338 2000 VH_{12} 3 2.6 62°.11 1°.6/ 1.4 18

2 1	11 18.04	+ 7 40.5	1.344	2.217	15.2	19.8
2 11	11 12.36	+ 8 35.9	1.297	2.233	10.5	19.6
2 21	11 4.31	+ 9 42.4	1.273	2.248	5.4	19.3
3 2	10 54.97	+10 51.2	1.274	2.264	1.6	19.1
3 12	10 45.74	+11 52.7	1.303	2.280	5.9	19.4
3 22	10 37.89	+12 39.5	1.357	2.297	10.8	19.7
4 1	10 32.39	+13 7.4	1.433	2.313	15.0	20.0
4 11	10 29.75	+13 15.6	1.529	2.329	18.4	20.3

519559 2012 RG_{44} 3 2.6 127°.52 3°.1/28.6 17

2 1	11 18.18	+16 11.2	2.339	3.202	10.0	21.5
2 11	11 11.75	+16 42.5	2.279	3.209	7.0	21.3
2 21	11 3.77	+17 13.3	2.246	3.216	4.1	21.2
3 2	10 54.94	+17 38.8	2.242	3.222	3.2	21.1
3 12	10 46.14	+17 54.5	2.268	3.228	5.5	21.3
3 22	10 38.19	+17 57.8	2.323	3.234	8.4	21.5
4 1	10 31.76	+17 47.7	2.403	3.240	11.2	21.7
4 11	10 27.30	+17 24.6	2.504	3.246	13.6	21.8

458177 2010 MF_{113} 3 2.6 244°.20 2°.0/29.6 17

2 1	11 17.54	+ 8 51.7	1.896	2.757	12.0	21.7
2 11	11 11.85	+10 4.7	1.808	2.739	8.4	21.5
2 21	11 4.09	+11 28.5	1.747	2.721	4.4	21.2
3 2	10 54.98	+12 55.7	1.714	2.702	2.1	21.0
3 12	10 45.53	+14 17.8	1.711	2.682	5.6	21.2
3 22	10 36.82	+15 27.1	1.736	2.662	9.9	21.4
4 1	10 29.82	+16 18.6	1.786	2.640	13.7	21.6
4 11	10 25.20	+16 50.0	1.856	2.618	17.0	21.7

304134 2006 KB_{64} 3 2.6 20°.20 5°.3/28.3 18

2 1	11 19.19	+16 14.6	1.133	2.023	16.0	20.3
2 11	11 13.61	+17 5.4	1.086	2.028	11.3	20.0
2 21	11 5.14	+17 56.8	1.061	2.034	6.8	19.8
3 2	10 55.05	+18 38.0	1.060	2.041	5.5	19.7
3 12	10 45.05	+18 59.5	1.083	2.048	9.1	19.9
3 22	10 36.72	+18 56.9	1.129	2.057	13.7	20.2
4 1	10 31.20	+18 30.0	1.195	2.066	18.0	20.5
4 11	10 29.04	+17 41.8	1.278	2.076	21.5	20.8

210478 1995 UN_{66} 3 2.6 212°.23 0°.3/ 3.0 17

2 1	11 13.03	+ 3 20.6	2.652	3.493	9.7	21.5
2 11	11 8.11	+ 3 58.8	2.570	3.488	6.9	21.3
2 21	11 1.88	+ 4 46.4	2.514	3.483	3.7	21.1
3 2	10 54.86	+ 5 39.8	2.488	3.478	0.5	20.8
3 12	10 47.74	+ 6 34.4	2.492	3.473	3.1	21.0
3 22	10 41.17	+ 7 25.7	2.526	3.467	6.3	21.2
4 1	10 35.76	+ 8 9.8	2.587	3.461	9.3	21.4
4 11	10 31.94	+ 8 43.8	2.672	3.455	11.8	21.5

154029 2002 CY_{46} 3 2.6 249°.91 4°.5/29.6 18

2 1	11 45.96	+18 28.9	1.719	2.549	14.6	20.4
2 11	11 32.69	+18 38.1	1.608	2.520	10.7	20.1
2 21	11 15.57	+18 41.4	1.525	2.489	6.6	19.8
3 2	10 55.71	+18 29.7	1.476	2.456	4.5	19.6
3 12	10 35.02	+17 56.3	1.462	2.421	8.0	19.7
3 22	10 15.63	+16 59.7	1.482	2.384	12.9	19.9
4 1	9 59.30	+15 43.1	1.530	2.345	17.6	20.1
4 11	9 47.02	+14 12.4	1.601	2.304	21.4	20.3

214911 Viehboeck 3 2.6 73°.72 1°.0/ 3.4 18

2 1	11 17.66	+ 1 38.9	1.449	2.304	15.4	21.0
2 11	11 12.00	+ 2 17.5	1.395	2.319	11.0	20.7
2 21	11 4.12	+ 3 13.2	1.364	2.334	6.1	20.5
3 2	10 54.99	+ 4 19.8	1.359	2.350	1.3	20.2
3 12	10 45.92	+ 5 28.5	1.382	2.365	4.6	20.5
3 22	10 38.09	+ 6 31.0	1.431	2.380	9.4	20.8
4 1	10 32.45	+ 7 20.9	1.504	2.396	13.7	21.1
4 11	10 29.51	+ 7 54.3	1.597	2.411	17.1	21.3

306410 1996 XV_{23} 3 2.6 83°.39 2°.8/ 4.9 18

2 1	11 19.44	− 2 32.0	1.555	2.389	15.6	20.7
2 11	11 13.07	− 2 10.9	1.504	2.414	11.6	20.5
2 21	11 4.60	− 1 30.0	1.477	2.438	7.1	20.3
3 2	10 55.03	− 0 34.1	1.476	2.461	3.1	20.1
3 12	10 45.58	+ 0 29.6	1.503	2.485	4.5	20.3
3 22	10 37.39	+ 1 33.0	1.557	2.508	8.6	20.5
4 1	10 31.32	+ 2 29.1	1.636	2.530	12.6	20.8
4 11	10 27.87	+ 3 13.0	1.736	2.552	15.9	21.1

162529 2000 QE_{141} 3 2.6 219°.77 0°.9/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.32	+ 6 29.7	1.834	2.689	12.6	21.1
2 11	11 12.37	+ 7 22.8	1.753	2.681	8.9	20.9
2 21	11 4.35	+ 8 27.5	1.698	2.672	4.6	20.6
3 2	10 55.04	+ 9 37.4	1.672	2.663	0.9	20.3
3 12	10 45.49	+10 44.8	1.675	2.652	4.9	20.6
3 22	10 36.79	+11 42.7	1.706	2.642	9.3	20.8
4 1	10 29.89	+12 26.1	1.762	2.630	13.2	21.0
4 11	10 25.41	+12 52.5	1.839	2.618	16.5	21.2

166699 2002 TA_{174} 3 2.6 160°.47 4°.9/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.26	+22 2.5	2.428	3.293	9.6	20.2
2 11	11 11.15	+23 0.7	2.372	3.297	7.1	20.1
2 21	11 3.50	+23 54.8	2.344	3.300	5.2	20.0
3 2	10 54.98	+24 38.6	2.345	3.304	5.2	20.0
3 12	10 46.47	+25 7.3	2.375	3.307	7.0	20.1
3 22	10 38.77	+25 18.5	2.432	3.310	9.5	20.3
4 1	10 32.57	+25 11.8	2.513	3.312	11.9	20.4
4 11	10 28.31	+24 48.5	2.614	3.314	14.0	20.6

289918 2005 NN_{22} 3 2.6 229°.99 3°.2/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.09	+15 54.6	2.807	3.672	8.4	20.8
2 11	11 8.18	+17 14.6	2.730	3.661	5.9	20.7
2 21	11 1.94	+18 36.7	2.682	3.650	3.7	20.5
3 2	10 54.89	+19 55.2	2.665	3.638	3.4	20.5
3 12	10 47.70	+21 4.3	2.678	3.626	5.5	20.6
3 22	10 41.02	+22 0.0	2.720	3.613	8.1	20.7
4 1	10 35.47	+22 39.8	2.787	3.600	10.5	20.9
4 11	10 31.49	+23 3.0	2.876	3.586	12.6	21.0

209111 2003 SJ_{131} 3 2.6 230°.36 0°.7/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.76	+ 6 37.7	1.862	2.716	12.5	21.2
2 11	11 12.68	+ 7 17.8	1.779	2.706	8.8	20.9
2 21	11 4.52	+ 8 8.5	1.721	2.694	4.6	20.6
3 2	10 55.06	+ 9 4.2	1.692	2.683	0.7	20.3
3 12	10 45.34	+ 9 58.0	1.692	2.670	4.7	20.6
3 22	10 36.46	+10 43.6	1.720	2.657	9.1	20.8
4 1	10 29.36	+11 16.3	1.774	2.644	13.0	21.0
4 11	10 24.67	+11 33.8	1.848	2.630	16.3	21.2

110539 2001 TE_{95} 3 2.6 281°.02 0°.5/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.10	+ 3 50.0	1.733	2.587	13.4	19.8
2 11	11 11.56	+ 4 10.9	1.655	2.580	9.6	19.6
2 21	11 3.94	+ 4 44.5	1.602	2.573	5.3	19.3
3 2	10 55.03	+ 5 26.3	1.575	2.566	0.7	19.0
3 12	10 45.91	+ 6 10.1	1.577	2.559	4.3	19.2
3 22	10 37.69	+ 6 49.7	1.606	2.552	8.8	19.5
4 1	10 31.32	+ 7 20.0	1.660	2.545	12.9	19.7
4 11	10 27.41	+ 7 37.5	1.734	2.539	16.4	19.9

437055 2012 UA_{39} 3 2.6 157°.99 5°.1/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.69	+23 9.4	2.359	3.222	9.9	21.1
2 11	11 12.18	+23 51.8	2.301	3.224	7.4	21.0
2 21	11 4.05	+24 28.7	2.270	3.225	5.4	20.9
3 2	10 55.03	+24 54.3	2.268	3.226	5.4	20.9
3 12	10 46.04	+25 4.3	2.295	3.227	7.2	21.0
3 22	10 37.92	+24 56.8	2.349	3.229	9.7	21.1
4 1	10 31.40	+24 32.0	2.427	3.230	12.2	21.3
4 11	10 26.93	+23 51.8	2.525	3.230	14.3	21.5

211685 2003 WK_{101} 3 2.6 90°.83 3°.1/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.93	− 2 59.0	2.126	2.942	12.7	19.8
2 11	11 12.39	− 3 14.8	2.060	2.958	9.6	19.7
2 21	11 4.18	− 3 16.6	2.020	2.973	6.2	19.5
3 2	10 55.04	− 3 5.8	2.008	2.988	3.4	19.3
3 12	10 45.90	− 2 46.1	2.026	3.004	4.1	19.4
3 22	10 37.64	− 2 21.6	2.072	3.019	7.1	19.6
4 1	10 30.98	− 1 57.1	2.145	3.033	10.3	19.8
4 11	10 26.42	− 1 36.6	2.241	3.048	13.1	20.0

428096 2006 QA_{63} 3 2.6 210°.30 0°.5/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.03	+ 1 59.0	2.925	3.758	9.1	22.2
2 11	11 8.05	+ 2 43.7	2.837	3.750	6.5	22.0
2 21	11 1.85	+ 3 38.2	2.775	3.743	3.6	21.8
3 2	10 54.91	+ 4 39.2	2.744	3.734	0.7	21.6
3 12	10 47.85	+ 5 42.3	2.744	3.725	2.8	21.7
3 22	10 41.28	+ 6 42.9	2.775	3.716	5.8	21.9
4 1	10 35.75	+ 7 37.1	2.834	3.706	8.6	22.1
4 11	10 31.67	+ 8 21.9	2.917	3.696	11.0	22.3

310425 1999 VV_{135} 3 2.6 115°.36 1°.7/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.82	+ 9 13.3	1.791	2.651	12.6	20.9
2 11	11 13.20	+ 9 59.8	1.737	2.668	8.8	20.7
2 21	11 4.66	+10 53.0	1.709	2.684	4.5	20.5
3 2	10 55.07	+11 46.5	1.710	2.699	1.7	20.3
3 12	10 45.56	+12 33.3	1.739	2.714	5.1	20.6
3 22	10 37.15	+13 8.4	1.797	2.728	9.2	20.9
4 1	10 30.67	+13 28.6	1.879	2.742	12.7	21.1
4 11	10 26.61	+13 33.2	1.982	2.755	15.7	21.3

358017 2006 DP_{171} 3 2.6 276°.49 2°.5/29.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.34	+11 9.4	1.515	2.386	13.9	21.4
2 11	11 14.24	+11 46.1	1.434	2.368	9.8	21.1
2 21	11 5.54	+12 30.1	1.376	2.351	5.3	20.8
3 2	10 55.14	+13 14.3	1.346	2.333	2.6	20.6
3 12	10 44.37	+13 50.3	1.342	2.316	6.5	20.8
3 22	10 34.62	+14 12.0	1.365	2.298	11.3	21.0
4 1	10 27.09	+14 15.8	1.411	2.280	15.8	21.2
4 11	10 22.55	+14 1.0	1.475	2.262	19.6	21.4

109454 2001 QQ_{209} 3 2.6 99°.35 5°.5/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.07	− 7 5.7	1.860	2.656	15.0	19.5
2 11	11 16.24	− 7 58.2	1.793	2.671	11.8	19.3
2 21	11 6.32	− 8 32.4	1.750	2.686	8.4	19.1
3 2	10 55.18	− 8 48.0	1.734	2.701	5.8	19.0
3 12	10 43.99	− 8 46.8	1.748	2.715	6.0	19.1
3 22	10 33.85	− 8 33.3	1.789	2.729	8.6	19.2
4 1	10 25.70	− 8 13.2	1.857	2.743	11.8	19.5
4 11	10 20.11	− 7 52.3	1.948	2.756	14.7	19.7

360528 2003 RL_{20} 3 2.6 193°.99 1°.7/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.98	+ 9 42.6	1.905	2.763	12.1	21.3
2 11	11 13.41	+10 23.5	1.832	2.761	8.5	21.1
2 21	11 4.85	+11 11.2	1.785	2.759	4.4	20.9
3 2	10 55.10	+11 59.6	1.767	2.756	1.7	20.7
3 12	10 45.21	+12 42.2	1.779	2.753	5.1	20.9
3 22	10 36.25	+13 13.9	1.819	2.748	9.2	21.1
4 1	10 29.11	+13 31.5	1.883	2.744	12.8	21.3
4 11	10 24.36	+13 33.8	1.969	2.738	15.9	21.5

197579 2004 HP 3 2.6 216°.01 4°.5/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.13	+16 30.1	1.720	2.589	12.7	20.5
2 11	11 15.20	+17 34.5	1.649	2.581	9.0	20.3
2 21	11 5.91	+18 40.6	1.604	2.573	5.6	20.0
3 2	10 55.16	+19 39.4	1.587	2.563	4.8	20.0
3 12	10 44.22	+20 22.8	1.598	2.554	7.7	20.1
3 22	10 34.34	+20 45.7	1.636	2.543	11.6	20.3
4 1	10 26.58	+20 46.6	1.697	2.531	15.2	20.5
4 11	10 21.58	+20 26.7	1.777	2.519	18.3	20.7

125597 2001 XW_{44} 3 2.6 123°.73 1°.6/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.30	+ 9 24.7	1.765	2.622	13.0	20.8
2 11	11 14.95	+10 5.2	1.711	2.640	9.0	20.6
2 21	11 5.58	+10 52.1	1.684	2.658	4.7	20.4
3 2	10 55.14	+11 38.9	1.685	2.675	1.7	20.2
3 12	10 44.80	+12 19.0	1.716	2.691	5.2	20.5
3 22	10 35.66	+12 47.5	1.775	2.706	9.3	20.7
4 1	10 28.56	+13 1.6	1.859	2.720	12.9	21.0
4 11	10 23.99	+13 0.9	1.964	2.734	15.9	21.2

256225 2006 VY_{144} 3 2.6 142°.11 1°.5/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.07	+ 9 43.9	1.993	2.850	11.7	21.0
2 11	11 13.29	+10 15.9	1.931	2.860	8.2	20.8
2 21	11 4.70	+10 53.4	1.895	2.869	4.2	20.6
3 2	10 55.09	+11 31.1	1.888	2.877	1.5	20.4
3 12	10 45.49	+12 3.3	1.911	2.886	4.7	20.6
3 22	10 36.86	+12 25.8	1.962	2.893	8.6	20.9
4 1	10 30.00	+12 36.1	2.039	2.900	12.0	21.1
4 11	10 25.40	+12 33.1	2.138	2.907	14.8	21.3

58877 1998 HM_{124} 3 2.6 234°.56 5°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.75	−15 33.6	2.622	3.370	12.4	18.6
2 11	11 7.32	−15 12.9	2.527	3.365	10.2	18.4
2 21	11 1.52	−14 30.9	2.454	3.359	7.9	18.2
3 2	10 54.90	−13 28.3	2.408	3.354	6.0	18.1
3 12	10 48.15	−12 8.6	2.391	3.348	5.4	18.1
3 22	10 41.94	−10 37.1	2.402	3.342	6.7	18.1
4 1	10 36.91	− 9 0.4	2.442	3.336	9.0	18.3
4 11	10 33.51	− 7 25.6	2.507	3.329	11.4	18.4

40531 1999 RB_{100} 3 2.6 136°.41 3°.5/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.62	− 6 36.4	2.260	3.062	12.5	19.7
2 11	11 10.07	− 6 21.8	2.186	3.072	9.6	19.6
2 21	11 2.97	− 5 49.8	2.137	3.082	6.5	19.4
3 2	10 54.99	− 5 2.8	2.115	3.091	3.9	19.2
3 12	10 46.95	− 4 5.1	2.123	3.099	4.1	19.3
3 22	10 39.64	− 3 2.5	2.160	3.108	6.8	19.4
4 1	10 33.77	− 2 0.7	2.224	3.116	9.8	19.6
4 11	10 29.80	− 1 5.2	2.312	3.123	12.6	19.8

298853 2004 RZ_{235} 3 2.6 215°.36 1°.9/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.24	− 0 38.7	1.705	2.543	14.3	20.8
2 11	11 12.43	− 0 10.6	1.624	2.537	10.6	20.5
2 21	11 4.45	+ 0 35.7	1.567	2.531	6.3	20.3
3 2	10 55.09	+ 1 36.0	1.537	2.525	2.2	20.0
3 12	10 45.49	+ 2 43.5	1.535	2.518	4.3	20.1
3 22	10 36.79	+ 3 50.4	1.561	2.510	8.8	20.4
4 1	10 29.99	+ 4 49.6	1.613	2.502	13.0	20.6
4 11	10 25.74	+ 5 35.8	1.685	2.494	16.6	20.8

502988 2015 FP_{75} 3 2.6 277°.50 4°.7/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.56	+21 21.3	2.335	3.201	9.9	20.9
2 11	11 11.49	+22 3.5	2.266	3.192	7.2	20.7
2 21	11 3.75	+22 42.2	2.224	3.183	5.1	20.6
3 2	10 55.05	+23 11.3	2.210	3.175	4.9	20.5
3 12	10 46.28	+23 26.2	2.226	3.166	6.9	20.7
3 22	10 38.30	+23 24.3	2.268	3.157	9.6	20.8
4 1	10 31.86	+23 5.2	2.335	3.149	12.3	21.0
4 11	10 27.45	+22 30.3	2.422	3.140	14.6	21.1

499725 2011 BS_{10} 3 2.6 208°.96 11°.7/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.54	−27 39.0	2.240	2.892	16.7	21.3
2 11	11 15.46	−29 10.8	2.151	2.888	15.1	21.2
2 21	11 6.12	−30 16.7	2.081	2.883	13.5	21.1
3 2	10 55.21	−30 51.6	2.033	2.878	12.3	21.0
3 12	10 43.81	−30 53.8	2.009	2.873	11.7	20.9
3 22	10 33.05	−30 25.4	2.009	2.868	12.1	20.9
4 1	10 24.01	−29 32.4	2.032	2.862	13.3	21.0
4 11	10 17.46	−28 23.8	2.077	2.855	14.9	21.1

283495 2001 SZ_{156} 3 2.6 130°.07 2°.5/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.41	− 1 49.0	1.680	2.511	14.8	21.0
2 11	11 13.80	− 1 32.5	1.616	2.525	11.0	20.7
2 21	11 5.07	− 0 57.9	1.576	2.537	6.7	20.5
3 2	10 55.14	− 0 9.1	1.563	2.549	2.9	20.3
3 12	10 45.19	+ 0 47.4	1.579	2.561	4.3	20.4
3 22	10 36.34	+ 1 44.5	1.623	2.572	8.5	20.7
4 1	10 29.52	+ 2 35.5	1.692	2.582	12.5	20.9
4 11	10 25.26	+ 3 15.5	1.782	2.592	15.8	21.2

196203 2003 BB_{10} 3 2.6 326°.93 3°.4/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.25	− 2 2.4	1.180	2.038	18.0	19.9
2 11	11 11.05	− 1 57.1	1.104	2.026	13.6	19.6
2 21	11 4.02	− 1 26.8	1.049	2.014	8.5	19.3
3 2	10 55.10	− 0 34.3	1.017	2.003	3.9	19.0
3 12	10 45.77	+ 0 32.4	1.009	1.993	5.5	19.1
3 22	10 37.60	+ 1 42.9	1.025	1.984	10.9	19.3
4 1	10 31.93	+ 2 46.5	1.063	1.975	16.1	19.6
4 11	10 29.57	+ 3 35.3	1.118	1.968	20.6	19.8

468415 2016 GZ_{204} 3 2.6 77°.05 1°.8/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.77	+ 9 10.0	1.825	2.691	12.2	21.3
2 11	11 10.44	+10 4.9	1.765	2.698	8.4	21.1
2 21	11 3.26	+11 7.4	1.731	2.706	4.4	20.8
3 2	10 55.04	+12 10.7	1.725	2.713	1.8	20.7
3 12	10 46.80	+13 7.6	1.747	2.721	5.2	20.9
3 22	10 39.51	+13 52.3	1.797	2.729	9.1	21.2
4 1	10 33.98	+14 21.3	1.871	2.736	12.7	21.4
4 11	10 30.71	+14 33.5	1.966	2.744	15.6	21.6

310889 2003 QT_{50} 3 2.6 123°.19 1°.9/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.48	+10 8.7	1.761	2.622	12.8	20.9
2 11	11 13.74	+10 52.9	1.705	2.636	8.8	20.7
2 21	11 4.99	+11 43.2	1.675	2.649	4.6	20.4
3 2	10 55.15	+12 32.8	1.673	2.662	2.0	20.3
3 12	10 45.36	+13 14.8	1.701	2.674	5.4	20.5
3 22	10 36.70	+13 44.5	1.756	2.686	9.5	20.8
4 1	10 30.02	+13 58.9	1.835	2.697	13.1	21.0
4 11	10 25.82	+13 57.6	1.936	2.707	16.0	21.3

400767 2010 CC_{148} 3 2.6 351°.71 0°.1/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.03	+ 3 0.5	1.020	1.904	17.9	20.2
2 11	11 8.91	+ 3 51.1	0.958	1.897	12.9	19.9
2 21	11 2.90	+ 5 5.7	0.915	1.891	7.0	19.5
3 2	10 55.04	+ 6 35.5	0.896	1.887	0.5	19.0
3 12	10 46.93	+ 8 7.4	0.899	1.884	6.1	19.4
3 22	10 40.19	+ 9 28.2	0.926	1.882	12.2	19.7
4 1	10 36.11	+10 28.1	0.972	1.881	17.6	20.0
4 11	10 35.41	+11 2.1	1.035	1.882	22.1	20.3

498018 2007 FQ_{4} 3 2.6 308°.53 0°.8/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.99	+ 8 46.0	1.643	2.506	13.4	20.9
2 11	11 13.79	+ 8 48.3	1.561	2.491	9.5	20.6
2 21	11 5.24	+ 8 57.5	1.503	2.477	5.0	20.3
3 2	10 55.19	+ 9 9.0	1.472	2.463	0.8	19.9
3 12	10 44.85	+ 9 17.3	1.469	2.449	5.0	20.2
3 22	10 35.47	+ 9 18.0	1.493	2.435	9.8	20.4
4 1	10 28.14	+ 9 8.2	1.542	2.422	14.1	20.7
4 11	10 23.54	+ 8 46.4	1.610	2.409	17.7	20.9

175642 2007 VB_{76} 3 2.6 31°.41 0°.5/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.48	+ 3 3.3	1.194	2.065	16.8	20.2
2 11	11 10.84	+ 3 41.1	1.144	2.077	12.0	19.9
2 21	11 3.67	+ 4 37.2	1.115	2.089	6.5	19.6
3 2	10 55.08	+ 5 44.1	1.111	2.102	0.8	19.3
3 12	10 46.53	+ 6 51.5	1.133	2.116	5.2	19.6
3 22	10 39.39	+ 7 50.0	1.178	2.131	10.6	20.0
4 1	10 34.70	+ 8 32.8	1.246	2.146	15.2	20.3
4 11	10 32.99	+ 8 56.5	1.332	2.162	19.0	20.6

18047 1999 RP_{145} 3 2.6 227°.42 2°.2/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.67	− 1 36.9	2.732	3.548	10.2	18.2
2 11	11 9.99	− 1 40.2	2.642	3.541	7.6	18.0
2 21	11 2.93	− 1 32.8	2.577	3.533	4.8	17.8
3 2	10 55.04	− 1 16.4	2.542	3.525	2.4	17.6
3 12	10 47.01	− 0 53.8	2.538	3.517	3.2	17.7
3 22	10 39.51	− 0 28.4	2.563	3.509	6.0	17.8
4 1	10 33.17	− 0 3.8	2.616	3.500	8.8	18.0
4 11	10 28.45	+ 0 16.7	2.693	3.491	11.3	18.2

464977 2005 YQ_{195} 3 2.6 199°.79 2°.6/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.51	− 2 48.0	1.980	2.807	13.1	21.6
2 11	11 10.24	− 2 31.7	1.902	2.806	9.8	21.4
2 21	11 3.19	− 1 58.7	1.847	2.805	6.2	21.2
3 2	10 55.06	− 1 11.8	1.820	2.804	3.0	20.9
3 12	10 46.78	− 0 16.3	1.821	2.803	3.9	21.0
3 22	10 39.29	+ 0 41.6	1.851	2.801	7.5	21.2
4 1	10 33.38	+ 1 35.9	1.907	2.800	11.1	21.4
4 11	10 29.61	+ 2 21.3	1.985	2.798	14.3	21.6

280531 2004 RN_{12} 3 2.6 150°.93 2°.1/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.77	− 0 5.3	1.721	2.556	14.3	21.0
2 11	11 14.08	+ 0 5.3	1.652	2.564	10.5	20.8
2 21	11 5.26	+ 0 31.8	1.607	2.571	6.2	20.6
3 2	10 55.19	+ 1 10.5	1.589	2.577	2.3	20.3
3 12	10 45.03	+ 1 55.5	1.601	2.583	4.2	20.5
3 22	10 35.93	+ 2 40.4	1.640	2.588	8.5	20.7
4 1	10 28.80	+ 3 19.4	1.705	2.593	12.5	21.0
4 11	10 24.24	+ 3 48.1	1.791	2.597	15.9	21.2

315334 2007 TC_{411} 3 2.7 219°.87 1°.3/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.38	+ 1 56.1	1.902	2.739	13.0	21.5
2 11	11 13.81	+ 2 10.2	1.815	2.730	9.5	21.3
2 21	11 5.16	+ 2 37.5	1.754	2.721	5.4	21.0
3 2	10 55.19	+ 3 14.5	1.721	2.710	1.5	20.7
3 12	10 44.95	+ 3 55.7	1.717	2.699	4.0	20.9
3 22	10 35.53	+ 4 35.5	1.743	2.688	8.4	21.1
4 1	10 27.89	+ 5 8.7	1.794	2.675	12.3	21.3
4 11	10 22.65	+ 5 31.5	1.867	2.662	15.7	21.5

212359 2006 EV_{52} 3 2.7 208°.63 0°.7/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.17	+ 0 46.5	2.602	3.418	10.6	22.0
2 11	11 14.66	+ 1 47.7	2.502	3.407	7.7	21.8
2 21	11 5.48	+ 3 2.2	2.430	3.395	4.3	21.6
3 2	10 55.22	+ 4 25.8	2.391	3.381	0.8	21.3
3 12	10 44.70	+ 5 52.4	2.386	3.365	3.3	21.5
3 22	10 34.75	+ 7 15.8	2.413	3.348	7.0	21.7
4 1	10 26.13	+ 8 30.5	2.470	3.328	10.2	21.8
4 11	10 19.41	+ 9 32.8	2.552	3.307	13.0	22.0

32432 2000 RT_{86} 3 2.7 5°.75 2°.4/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.29	− 2 8.4	2.070	2.900	12.4	18.3
2 11	11 8.61	− 1 54.1	1.994	2.901	9.3	18.1
2 21	11 2.29	− 1 24.6	1.942	2.901	5.8	17.9
3 2	10 55.01	− 0 42.6	1.917	2.902	2.7	17.7
3 12	10 47.63	+ 0 6.9	1.921	2.903	3.7	17.8
3 22	10 40.97	+ 0 58.3	1.953	2.905	7.1	18.0
4 1	10 35.79	+ 1 46.2	2.012	2.906	10.6	18.2
4 11	10 32.58	+ 2 25.8	2.092	2.909	13.5	18.4

325640 2009 SO_{307} 3 2.7 236°.96 4°.3/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.99	+18 23.0	2.157	3.022	10.6	22.4
2 11	11 13.39	+19 15.8	2.079	3.008	7.7	22.2
2 21	11 4.88	+20 8.1	2.028	2.993	5.0	22.0
3 2	10 55.18	+20 52.9	2.005	2.978	4.5	22.0
3 12	10 45.30	+21 24.2	2.013	2.962	6.9	22.1
3 22	10 36.21	+21 38.3	2.047	2.945	10.1	22.3
4 1	10 28.80	+21 33.9	2.107	2.928	13.1	22.4
4 11	10 23.63	+21 11.9	2.186	2.911	15.8	22.6

417186 2005 WK_{154} 3 2.7 83°.23 1°.1/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.39	+ 1 31.2	1.874	2.715	13.1	21.5
2 11	11 12.08	+ 2 0.4	1.825	2.742	9.4	21.3
2 21	11 4.04	+ 2 42.5	1.801	2.768	5.3	21.1
3 2	10 55.12	+ 3 32.8	1.805	2.794	1.3	20.9
3 12	10 46.33	+ 4 25.2	1.838	2.820	3.8	21.1
3 22	10 38.58	+ 5 13.7	1.899	2.846	7.7	21.4
4 1	10 32.63	+ 5 53.7	1.987	2.871	11.2	21.7
4 11	10 28.90	+ 6 22.1	2.097	2.895	14.1	21.9

417510 2006 SD_{263} 3 2.7 182°.84 0°.3/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.72	+ 5 28.8	2.226	3.072	11.1	23.1
2 11	11 11.62	+ 6 12.5	2.151	3.073	7.8	22.9
2 21	11 3.86	+ 7 5.7	2.102	3.073	4.1	22.6
3 2	10 55.12	+ 8 3.5	2.082	3.073	0.4	22.3
3 12	10 46.27	+ 9 0.1	2.093	3.072	3.9	22.6
3 22	10 38.16	+ 9 50.1	2.134	3.070	7.6	22.8
4 1	10 31.55	+10 29.6	2.201	3.067	11.0	23.0
4 11	10 26.94	+10 56.1	2.290	3.064	13.8	23.2

385024 2012 TM_{286} 3 2.7 155.°51 1.°3/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 13.77	− 0 10.2	2.688	3.514	10.0	21.7
2 11	11 8.61	+ 0 17.8	2.612	3.519	7.3	21.5
2 21	11 2.18	+ 0 56.7	2.562	3.525	4.3	21.4
3 2	10 55.02	+ 1 43.7	2.542	3.530	1.6	21.2
3 12	10 47.80	+ 2 34.5	2.552	3.534	2.9	21.3
3 22	10 41.17	+ 3 24.8	2.593	3.539	5.9	21.5
4 1	10 35.70	+ 4 10.4	2.661	3.543	8.8	21.7
4 11	10 31.81	+ 4 48.1	2.753	3.546	11.2	21.8

142050 2002 QP_{20} 3 2.7 284.°68 0.°3/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.90	+ 5 46.8	1.593	2.454	13.9	20.1
2 11	11 12.45	+ 6 16.1	1.506	2.435	9.9	19.8
2 21	11 4.61	+ 6 58.2	1.443	2.416	5.3	19.4
3 2	10 55.18	+ 7 47.7	1.407	2.398	0.4	19.0
3 12	10 45.37	+ 8 37.1	1.398	2.379	5.0	19.3
3 22	10 36.43	+ 9 19.5	1.416	2.360	10.0	19.6
4 1	10 29.50	+ 9 49.0	1.458	2.341	14.5	19.8
4 11	10 25.31	+10 2.6	1.519	2.322	18.4	20.0

155365 4308 T-$_3$ 3 2.7 158.°41 2.°8/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.88	+13 21.6	2.179	3.043	10.5	20.7
2 11	11 11.03	+14 17.9	2.116	3.048	7.3	20.5
2 21	11 3.54	+15 17.2	2.080	3.052	4.1	20.3
3 2	10 55.10	+16 13.4	2.073	3.056	2.9	20.2
3 12	10 46.63	+17 0.3	2.097	3.060	5.5	20.4
3 22	10 38.98	+17 33.8	2.148	3.063	8.8	20.6
4 1	10 32.88	+17 51.5	2.224	3.066	11.8	20.8
4 11	10 28.82	+17 53.4	2.321	3.069	14.4	21.0

179208 2001 TN_{199} 3 2.7 114.°79 2.°7/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.09	+13 55.6	2.385	3.250	9.7	20.5
2 11	11 9.64	+14 48.5	2.328	3.260	6.7	20.3
2 21	11 2.74	+15 43.4	2.297	3.269	3.8	20.1
3 2	10 55.05	+16 34.8	2.297	3.278	2.8	20.1
3 12	10 47.37	+17 17.4	2.325	3.287	5.2	20.2
3 22	10 40.44	+17 47.6	2.383	3.296	8.1	20.4
4 1	10 34.90	+18 3.5	2.465	3.305	10.9	20.6
4 11	10 31.17	+18 4.9	2.569	3.313	13.2	20.8

238671 2005 EM_{179} 3 2.7 270.°44 0.°1/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.07	+ 4 40.1	2.101	2.951	11.5	21.1
2 11	11 9.85	+ 5 9.1	2.025	2.949	8.1	20.8
2 21	11 2.96	+ 5 48.2	1.975	2.947	4.4	20.6
3 2	10 55.08	+ 6 33.1	1.953	2.944	0.3	20.3
3 12	10 47.08	+ 7 18.4	1.961	2.942	3.8	20.6
3 22	10 39.83	+ 7 59.0	1.997	2.940	7.6	20.8
4 1	10 34.09	+ 8 30.5	2.059	2.937	11.1	21.0
4 11	10 30.35	+ 8 50.5	2.142	2.935	14.0	21.2

229740 2007 HO_{53} 3 2.7 169.°07 5.°1/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.91	+19 23.2	1.941	2.814	11.2	20.0
2 11	11 11.27	+20 35.8	1.883	2.815	8.1	19.8
2 21	11 3.74	+21 46.6	1.852	2.815	5.6	19.6
3 2	10 55.13	+22 47.7	1.848	2.816	5.4	19.6
3 12	10 46.46	+23 32.1	1.873	2.816	7.8	19.8
3 22	10 38.74	+23 55.9	1.924	2.816	10.9	20.0
4 1	10 32.80	+23 58.3	1.997	2.817	13.9	20.1
4 11	10 29.15	+23 40.6	2.090	2.817	16.4	20.3

67446 2000 QF_{151} 3 2.7 80.°96 2.°4/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.18	+ 0 35.3	1.480	2.325	15.7	18.2
2 11	11 14.57	+ 0 27.7	1.419	2.336	11.5	18.0
2 21	11 5.59	+ 0 36.3	1.381	2.346	6.8	17.8
3 2	10 55.24	+ 0 57.9	1.369	2.356	2.6	17.5
3 12	10 44.87	+ 1 26.7	1.384	2.367	4.7	17.7
3 22	10 35.76	+ 1 56.4	1.426	2.377	9.3	18.0
4 1	10 28.92	+ 2 21.3	1.492	2.387	13.5	18.2
4 11	10 24.93	+ 2 36.8	1.579	2.397	17.1	18.5

127914 2003 GK_{29} 3 2.7 315.°54 2.°4/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.38	− 2 13.8	1.323	2.175	16.8	19.6
2 11	11 10.18	− 1 30.9	1.247	2.167	12.5	19.3
2 21	11 3.46	− 0 21.8	1.193	2.159	7.5	19.0
3 2	10 55.12	+ 1 8.2	1.163	2.151	2.8	18.7
3 12	10 46.47	+ 2 49.1	1.159	2.143	4.9	18.8
3 22	10 38.87	+ 4 29.2	1.180	2.136	10.2	19.1
4 1	10 33.51	+ 5 57.5	1.225	2.129	15.1	19.3
4 11	10 31.12	+ 7 6.4	1.288	2.123	19.3	19.6

338200 2002 RQ_{278} 3 2.7 154.°88 1.°4/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.29	+ 9 26.3	2.396	3.253	10.0	21.0
2 11	11 9.80	+10 11.6	2.329	3.258	6.9	20.8
2 21	11 2.85	+11 2.5	2.288	3.262	3.6	20.6
3 2	10 55.08	+11 54.0	2.278	3.267	1.4	20.5
3 12	10 47.26	+12 40.9	2.297	3.271	4.2	20.7
3 22	10 40.15	+13 18.9	2.346	3.274	7.5	20.9
4 1	10 34.40	+13 45.1	2.421	3.278	10.5	21.1
4 11	10 30.45	+13 58.3	2.517	3.281	13.0	21.2

437775 2015 BS_{73} 3 2.7 103.°09 2.°4/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.29	+11 32.1	1.997	2.863	11.3	21.2
2 11	11 10.69	+12 27.1	1.940	2.873	7.8	21.0
2 21	11 3.38	+13 26.8	1.908	2.882	4.2	20.8
3 2	10 55.11	+14 24.6	1.906	2.892	2.5	20.7
3 12	10 46.85	+15 14.2	1.932	2.901	5.4	20.9
3 22	10 39.48	+15 50.8	1.986	2.910	8.9	21.1
4 1	10 33.77	+16 11.7	2.065	2.919	12.1	21.3
4 11	10 30.19	+16 16.5	2.165	2.927	14.8	21.5

297666 2001 US_{67} 3 2.7 184.°84 1.°9/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.30	+ 9 33.3	1.853	2.711	12.4	21.8
2 11	11 13.72	+10 28.3	1.782	2.712	8.6	21.6
2 21	11 5.09	+11 31.0	1.738	2.712	4.5	21.4
3 2	10 55.24	+12 34.5	1.723	2.711	2.0	21.2
3 12	10 45.27	+13 31.3	1.737	2.709	5.4	21.4
3 22	10 36.25	+14 15.6	1.779	2.707	9.5	21.6
4 1	10 29.09	+14 43.7	1.846	2.703	13.2	21.9
4 11	10 24.39	+14 54.6	1.934	2.699	16.3	22.1

281260 2007 PO_{22} 3 2.7 112.°41 1.°9/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.09	+ 9 37.3	2.236	3.097	10.4	20.1
2 11	11 9.03	+10 46.9	2.176	3.108	7.2	19.9
2 21	11 2.48	+12 2.8	2.143	3.118	3.7	19.7
3 2	10 55.08	+13 18.6	2.140	3.127	1.9	19.6
3 12	10 47.66	+14 27.9	2.167	3.137	4.7	19.8
3 22	10 41.00	+15 25.4	2.223	3.147	8.1	20.0
4 1	10 35.76	+16 7.8	2.304	3.156	11.1	20.2
4 11	10 32.38	+16 33.8	2.406	3.165	13.6	20.4

158282 2001 UR_{34} 3 2.7 120.°61 4.°4/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.48	+15 40.4	1.670	2.540	12.9	20.4
2 11	11 14.54	+16 57.8	1.625	2.558	9.0	20.2
2 21	11 5.47	+18 16.0	1.605	2.575	5.5	20.0
3 2	10 55.27	+19 25.6	1.614	2.591	4.6	20.0
3 12	10 45.18	+20 18.7	1.651	2.607	7.5	20.2
3 22	10 36.36	+20 50.7	1.715	2.622	11.2	20.5
4 1	10 29.69	+21 0.5	1.802	2.636	14.5	20.7
4 11	10 25.66	+20 49.9	1.908	2.650	17.2	20.9

135046 2001 OX_{42} 3 2.7 149.°13 3.°0/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.45	− 4 22.2	2.473	3.282	11.3	19.1
2 11	11 9.91	− 4 22.6	2.394	3.286	8.6	19.0
2 21	11 2.93	− 4 9.2	2.341	3.290	5.7	18.8
3 2	10 55.11	− 3 43.8	2.315	3.294	3.3	18.6
3 12	10 47.20	− 3 9.6	2.320	3.297	3.7	18.7
3 22	10 39.94	− 2 31.1	2.353	3.301	6.4	18.8
4 1	10 33.97	− 1 52.6	2.414	3.304	9.2	19.0
4 11	10 29.75	− 1 18.4	2.499	3.307	11.8	19.2

272582 2005 VA_{39} 3 2.7 146.°64 0.°3/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.80	+ 3 22.1	2.015	2.862	12.0	21.5
2 11	11 10.39	+ 4 5.6	1.946	2.868	8.5	21.3
2 21	11 3.26	+ 5 1.2	1.902	2.872	4.6	21.1
3 2	10 55.14	+ 6 3.8	1.886	2.877	0.5	20.8
3 12	10 46.95	+ 7 7.0	1.900	2.881	3.8	21.0
3 22	10 39.57	+ 8 4.6	1.942	2.885	7.8	21.3
4 1	10 33.77	+ 8 51.9	2.011	2.889	11.4	21.5
4 11	10 30.07	+ 9 25.6	2.101	2.892	14.3	21.7

145568 2006 OJ_{11} 3 2.7 109.°99 3.°9/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.60	− 8 26.8	2.727	3.508	11.1	20.6
2 11	11 10.54	− 8 36.8	2.659	3.528	8.8	20.5
2 21	11 3.20	− 8 32.1	2.616	3.547	6.2	20.3
3 2	10 55.14	− 8 13.8	2.601	3.566	4.2	20.2
3 12	10 47.08	− 7 44.6	2.616	3.584	4.2	20.2
3 22	10 39.67	− 7 8.4	2.661	3.602	6.1	20.4
4 1	10 33.50	− 6 29.5	2.734	3.620	8.4	20.6
4 11	10 28.98	− 5 52.2	2.831	3.637	10.7	20.7

38644 2000 NN_{21} 3 2.7 189.°96 0.°4/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.61	+ 5 33.3	2.181	3.029	11.2	19.8
2 11	11 10.90	+ 6 16.0	2.105	3.029	7.9	19.6
2 21	11 3.53	+ 7 8.3	2.055	3.027	4.1	19.3
3 2	10 55.17	+ 8 5.4	2.034	3.025	0.4	19.0
3 12	10 46.69	+ 9 1.4	2.044	3.023	3.9	19.3
3 22	10 38.95	+ 9 50.8	2.082	3.020	7.7	19.5
4 1	10 32.71	+10 29.6	2.147	3.017	11.1	19.7
4 11	10 28.46	+10 55.3	2.234	3.013	14.0	19.9

497552 2006 DW_{47} 3 2.7 315.°05 1.°1/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.77	+ 3 39.0	1.897	2.741	12.8	21.5
2 11	11 13.31	+ 3 29.0	1.820	2.739	9.3	21.3
2 21	11 4.88	+ 3 29.0	1.768	2.737	5.2	21.1
3 2	10 55.26	+ 3 36.1	1.745	2.735	1.3	20.8
3 12	10 45.50	+ 3 46.4	1.751	2.733	3.9	21.0
3 22	10 36.63	+ 3 55.7	1.785	2.731	8.1	21.2
4 1	10 29.55	+ 4 0.5	1.844	2.729	11.9	21.4
4 11	10 24.82	+ 3 57.8	1.926	2.728	15.1	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
217847 2001 PR_{41}			3 2.7 261°.54	4°.3/ 6.5 17		
	h m	° ′			°	m
2 1	11 16.56	− 7 0.6	1.941	2.748	14.1	20.4
2 11	11 11.23	− 6 56.6	1.843	2.730	11.0	20.2
2 21	11 3.88	− 6 32.1	1.767	2.712	7.6	20.0
3 2	10 55.20	− 5 48.2	1.718	2.693	4.8	19.7
3 12	10 46.15	− 4 48.9	1.698	2.674	5.0	19.7
3 22	10 37.76	− 3 40.8	1.705	2.654	8.1	19.8
4 1	10 30.98	− 2 31.2	1.738	2.634	11.9	20.0
4 11	10 26.48	− 1 27.2	1.794	2.614	15.3	20.2
731 Sorga			3 2.7 183°.86	4°.0/26.9 18		A
2 1	11 16.85	+19 35.0	2.545	3.409	9.2	14.9
2 11	11 10.89	+20 27.4	2.482	3.409	6.7	14.8
2 21	11 3.45	+21 17.8	2.446	3.409	4.5	14.6
3 2	10 55.17	+22 0.6	2.441	3.408	4.3	14.6
3 12	10 46.85	+22 31.0	2.465	3.407	6.2	14.7
3 22	10 39.26	+22 46.3	2.516	3.406	8.8	14.9
4 1	10 33.05	+22 45.5	2.593	3.405	11.3	15.0
4 11	10 28.68	+22 29.3	2.690	3.403	13.4	15.2
454096 2013 BR_{55}			3 2.7 239°.06	2°.8/ 4.7 18		
2 1	11 19.85	− 1 39.8	1.624	2.458	15.1	21.4
2 11	11 13.79	− 1 31.3	1.537	2.447	11.3	21.2
2 21	11 5.33	− 1 4.1	1.473	2.435	7.0	20.9
3 2	10 55.30	− 0 20.7	1.436	2.422	3.1	20.6
3 12	10 44.90	+ 0 32.9	1.427	2.409	4.7	20.7
3 22	10 35.39	+ 1 29.3	1.445	2.396	9.2	20.9
4 1	10 27.89	+ 2 21.2	1.488	2.382	13.6	21.1
4 11	10 23.14	+ 3 2.4	1.552	2.367	17.5	21.3
460598 2014 UK_{46}			3 2.7 196°.99	1°.2/ 1.5 17		
2 1	11 18.41	+ 8 2.4	2.074	2.928	11.4	22.4
2 11	11 12.26	+ 8 49.1	1.998	2.925	8.0	22.2
2 21	11 4.29	+ 9 43.8	1.948	2.922	4.2	22.0
3 2	10 55.23	+10 41.1	1.928	2.917	1.2	21.7
3 12	10 46.02	+11 34.6	1.937	2.913	4.6	22.0
3 22	10 37.62	+12 18.8	1.975	2.907	8.5	22.2
4 1	10 30.83	+12 50.1	2.040	2.901	11.9	22.4
4 11	10 26.20	+13 6.6	2.125	2.894	14.9	22.6
409153 2003 UW_{128}			3 2.7 177°.52	2°.0/29.9 18		
2 1	11 19.89	+10 30.6	1.949	2.808	11.8	22.0
2 11	11 13.34	+11 16.1	1.880	2.810	8.2	21.8
2 21	11 4.87	+12 7.5	1.838	2.812	4.4	21.6
3 2	10 55.27	+12 58.5	1.825	2.813	2.0	21.4
3 12	10 45.59	+13 42.7	1.841	2.813	5.2	21.6
3 22	10 36.84	+14 15.0	1.886	2.812	9.1	21.8
4 1	10 29.87	+14 32.7	1.955	2.811	12.6	22.0
4 11	10 25.22	+14 34.8	2.046	2.810	15.5	22.3
33724 1999 NW_{4}			3 2.7 259°.71	5°.3/24.3 18		
2 1	11 13.12	+21 21.3	2.341	3.214	9.5	17.9
2 11	11 8.48	+23 9.2	2.283	3.212	7.1	17.7
2 21	11 2.26	+24 55.0	2.254	3.209	5.5	17.6
3 2	10 55.11	+26 30.6	2.255	3.207	5.9	17.7
3 12	10 47.83	+27 49.1	2.284	3.205	7.9	17.8
3 22	10 41.24	+28 46.1	2.339	3.202	10.5	17.9
4 1	10 36.06	+29 20.3	2.418	3.200	12.8	18.1
4 11	10 32.77	+29 32.5	2.515	3.197	14.9	18.3
156401 2002 AK_{3}			3 2.7 22°.83	7°.8/24.2 18		
2 1	11 13.23	+20 31.7	1.311	2.205	14.0	19.1
2 11	11 9.27	+22 44.1	1.275	2.214	10.3	18.9
2 21	11 2.89	+24 52.4	1.262	2.223	7.9	18.8
3 2	10 55.14	+26 42.3	1.275	2.234	8.5	18.9
3 12	10 47.43	+28 2.4	1.313	2.245	11.4	19.1
3 22	10 41.05	+28 47.5	1.372	2.258	14.9	19.3
4 1	10 37.00	+28 58.1	1.451	2.271	18.1	19.5
4 11	10 35.78	+28 38.2	1.546	2.285	20.8	19.8
242819 2006 BZ_{220}			3 2.7 2°.72	1°.0/ 3.5 18		
2 1	11 15.39	+ 1 41.4	1.201	2.069	17.0	20.3
2 11	11 10.98	+ 2 17.9	1.138	2.068	12.3	20.0
2 21	11 3.92	+ 3 15.6	1.096	2.068	6.9	19.7
3 2	10 55.22	+ 4 28.1	1.078	2.068	1.4	19.3
3 12	10 46.34	+ 5 44.8	1.085	2.069	5.2	19.6
3 22	10 38.74	+ 6 55.2	1.116	2.071	10.8	19.9
4 1	10 33.59	+ 7 50.6	1.170	2.073	15.8	20.2
4 11	10 31.56	+ 8 26.3	1.242	2.076	19.9	20.5
328345 2008 KW_{12}			3 2.7 316°.23	2°.1/ 4.4 17		
2 1	11 14.71	− 0 46.1	1.571	2.419	14.8	21.1
2 11	11 10.14	− 0 22.2	1.490	2.408	11.0	20.9
2 21	11 3.37	+ 0 21.2	1.432	2.398	6.6	20.6
3 2	10 55.18	+ 1 20.1	1.400	2.388	2.5	20.3
3 12	10 46.72	+ 2 27.5	1.394	2.378	4.4	20.4
3 22	10 39.16	+ 3 35.0	1.415	2.369	9.1	20.6
4 1	10 33.51	+ 4 35.0	1.460	2.360	13.5	20.9
4 11	10 30.46	+ 5 21.4	1.526	2.351	17.3	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
408479 2013 HU_{105}			3 2.7 161°.56	0°.2/ 2.8 18		
	h m	° ′			°	m
2 1	11 18.52	+ 3 51.7	2.034	2.878	12.1	22.6
2 11	11 12.29	+ 4 31.8	1.964	2.884	8.6	22.4
2 21	11 4.28	+ 5 23.3	1.920	2.890	4.6	22.1
3 2	10 55.24	+ 6 21.1	1.905	2.896	0.4	21.8
3 12	10 46.13	+ 7 19.1	1.920	2.900	3.9	22.1
3 22	10 37.88	+ 8 11.4	1.964	2.904	7.9	22.3
4 1	10 31.28	+ 8 53.4	2.034	2.908	11.4	22.6
4 11	10 26.83	+ 9 22.3	2.126	2.910	14.4	22.8
495339 2014 MK_{40}			3 2.7 231°.60	3°.0/29.1 17		
2 1	11 20.57	+12 35.2	1.781	2.646	12.5	22.4
2 11	11 14.13	+13 31.9	1.702	2.634	8.8	22.2
2 21	11 5.45	+14 34.5	1.649	2.622	4.9	21.9
3 2	10 55.33	+15 35.1	1.624	2.608	3.2	21.8
3 12	10 44.95	+16 26.0	1.628	2.594	6.4	21.9
3 22	10 35.49	+17 1.2	1.659	2.580	10.6	22.1
4 1	10 27.96	+17 17.5	1.714	2.564	14.4	22.3
4 11	10 23.04	+17 14.7	1.789	2.548	17.6	22.5
158897 2004 PF_{91}			3 2.7 104°.35	5°.7/26.0 18		
2 1	11 21.32	+24 0.0	2.171	3.033	10.7	20.1
2 11	11 14.05	+24 56.2	2.133	3.053	8.0	19.9
2 21	11 5.09	+25 45.1	2.122	3.074	6.0	19.8
3 2	10 55.30	+26 20.1	2.140	3.094	6.0	19.9
3 12	10 45.68	+26 36.6	2.187	3.113	7.9	20.0
3 22	10 37.17	+26 33.2	2.260	3.132	10.4	20.2
4 1	10 30.47	+26 10.7	2.357	3.151	12.8	20.4
4 11	10 26.01	+25 31.9	2.474	3.169	14.8	20.6
488729 2004 RU_{16}			3 2.7 223°.60	1°.3/ 1.5 17		
2 1	11 20.49	+ 8 10.7	1.958	2.811	12.1	22.8
2 11	11 13.93	+ 8 57.8	1.872	2.799	8.5	22.6
2 21	11 5.29	+ 9 53.9	1.812	2.786	4.4	22.3
3 2	10 55.33	+10 53.2	1.782	2.771	1.3	22.1
3 12	10 45.09	+11 48.7	1.781	2.756	4.9	22.3
3 22	10 35.64	+12 34.4	1.809	2.740	9.2	22.5
4 1	10 27.93	+13 6.0	1.863	2.723	13.0	22.7
4 11	10 22.59	+13 21.6	1.937	2.705	16.2	22.9
259936 2004 ES_{48}			3 2.7 51°.63	0°.0/ 2.6 18		
2 1	11 19.90	+ 6 9.3	1.537	2.398	14.4	20.2
2 11	11 13.64	+ 6 19.2	1.476	2.405	10.2	20.0
2 21	11 5.12	+ 6 39.3	1.439	2.412	5.4	19.7
3 2	10 55.31	+ 7 4.9	1.428	2.419	0.3	19.4
3 12	10 45.47	+ 7 29.6	1.445	2.427	4.7	19.7
3 22	10 36.83	+ 7 48.1	1.489	2.434	9.5	20.0
4 1	10 30.35	+ 7 56.5	1.556	2.442	13.6	20.3
4 11	10 26.59	+ 7 52.7	1.644	2.450	17.1	20.5
290127 Linakostenko			3 2.7 209°.82	5°.2/ 8.2 18		
2 1	11 18.68	−12 21.6	2.900	3.651	11.2	20.7
2 11	11 12.15	−13 0.7	2.804	3.645	9.2	20.6
2 21	11 4.16	−13 25.0	2.733	3.640	7.2	20.4
3 2	10 55.27	−13 33.7	2.690	3.634	5.6	20.3
3 12	10 46.16	−13 28.1	2.678	3.628	5.3	20.3
3 22	10 37.54	−13 10.6	2.694	3.621	6.7	20.4
4 1	10 30.09	−12 45.2	2.739	3.614	8.8	20.5
4 11	10 24.28	−12 16.5	2.809	3.607	10.9	20.6
139702 2001 QN_{226}			3 2.7 160°.88	1°.3/ 3.9 18		
2 1	11 17.95	+ 2 0.0	2.550	3.379	10.4	20.0
2 11	11 11.62	+ 1 57.1	2.472	3.382	7.6	19.9
2 21	11 3.85	+ 2 3.0	2.422	3.386	4.4	19.7
3 2	10 55.24	+ 2 15.6	2.401	3.389	1.5	19.4
3 12	10 46.56	+ 2 31.6	2.410	3.392	3.1	19.6
3 22	10 38.55	+ 2 47.7	2.450	3.394	6.3	19.8
4 1	10 31.86	+ 3 0.7	2.518	3.397	9.3	20.0
4 11	10 26.94	+ 3 8.2	2.609	3.399	11.9	20.2
60100 1999 TV_{175}			3 2.7 65°.39	1°.4/ 3.9 18		
2 1	11 15.95	+ 1 9.2	1.910	2.753	12.8	19.5
2 11	11 10.60	+ 1 28.2	1.839	2.756	9.3	19.2
2 21	11 3.44	+ 2 0.8	1.793	2.760	5.4	19.0
3 2	10 55.22	+ 2 43.3	1.774	2.763	1.6	18.8
3 12	10 46.91	+ 3 30.0	1.784	2.767	3.8	18.9
3 22	10 39.45	+ 4 15.2	1.822	2.771	7.8	19.2
4 1	10 33.66	+ 4 53.6	1.885	2.774	11.4	19.4
4 11	10 30.04	+ 5 21.6	1.971	2.778	14.6	19.6
810 Atossa			3 2.7 170°.70	0°.3/ 2.5 18		R
2 1	11 20.15	+ 4 29.6	1.706	2.557	13.7	16.5
2 11	11 13.74	+ 5 21.0	1.637	2.562	9.7	16.2
2 21	11 5.18	+ 6 25.8	1.593	2.565	5.1	16.0
3 2	10 55.34	+ 7 37.5	1.577	2.568	0.3	15.6
3 12	10 45.38	+ 8 48.0	1.590	2.570	4.7	16.0
3 22	10 36.45	+ 9 49.8	1.631	2.571	9.3	16.2
4 1	10 29.49	+10 37.5	1.698	2.572	13.3	16.5
4 11	10 25.10	+11 8.3	1.785	2.571	16.7	16.7

170427 2003 UY_{92} 3 2.7 65°.02 1°.6/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.75	+ 0 59.5	1.429	2.281	15.8	19.9
2 11	11 12.84	+ 1 22.6	1.378	2.299	11.4	19.7
2 21	11 4.68	+ 2 3.0	1.350	2.318	6.5	19.5
3 2	10 55.30	+ 2 55.3	1.348	2.337	1.9	19.2
3 12	10 46.02	+ 3 51.5	1.373	2.357	4.5	19.4
3 22	10 38.03	+ 4 43.9	1.424	2.376	9.3	19.8
4 1	10 32.29	+ 5 26.1	1.500	2.395	13.5	20.1
4 11	10 29.27	+ 5 54.3	1.595	2.414	16.9	20.3

276829 2004 PQ_{108} 3 2.7 212°.18 0°.5/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.17	+ 6 35.5	2.347	3.194	10.5	21.7
2 11	11 11.26	+ 7 10.0	2.264	3.187	7.4	21.5
2 21	11 3.74	+ 7 52.6	2.207	3.180	3.9	21.3
3 2	10 55.25	+ 8 38.8	2.181	3.172	0.5	21.0
3 12	10 46.60	+ 9 23.6	2.185	3.163	3.8	21.3
3 22	10 38.62	+10 2.4	2.218	3.154	7.4	21.5
4 1	10 32.02	+10 31.5	2.278	3.144	10.7	21.6
4 11	10 27.34	+10 48.8	2.360	3.133	13.5	21.8

385902 2006 SK_{352} 3 2.7 166°.93 0°.6/ 2.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.22	+ 7 56.9	2.650	3.498	9.4	21.6
2 11	11 10.37	+ 8 16.9	2.577	3.501	6.6	21.4
2 21	11 3.18	+ 8 42.1	2.531	3.503	3.4	21.2
3 2	10 55.21	+ 9 9.2	2.515	3.506	0.6	20.9
3 12	10 47.19	+ 9 34.1	2.530	3.508	3.4	21.2
3 22	10 39.82	+ 9 53.8	2.574	3.509	6.6	21.4
4 1	10 33.69	+10 5.7	2.646	3.511	9.4	21.6
4 11	10 29.24	+10 8.3	2.741	3.512	11.9	21.7

1493 Sigrid 3 2.7 194°.87 0°.3/ 2.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.84	+ 3 58.9	2.074	2.916	11.9	16.6
2 11	11 12.58	+ 4 30.1	1.994	2.914	8.5	16.4
2 21	11 4.49	+ 5 12.3	1.941	2.911	4.6	16.2
3 2	10 55.30	+ 6 1.2	1.916	2.907	0.5	15.8
3 12	10 45.96	+ 6 50.9	1.922	2.903	3.8	16.1
3 22	10 37.40	+ 7 36.0	1.957	2.898	7.9	16.3
4 1	10 30.45	+ 8 12.1	2.018	2.892	11.5	16.5
4 11	10 25.67	+ 8 36.1	2.101	2.886	14.5	16.7

372719 2009 XK_{19} 3 2.7 71°.33 0°.4/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.44	+ 3 42.0	1.880	2.731	12.6	20.6
2 11	11 10.86	+ 4 10.8	1.822	2.745	9.0	20.4
2 21	11 3.53	+ 4 51.0	1.789	2.760	4.8	20.2
3 2	10 55.24	+ 5 37.9	1.784	2.775	0.6	19.9
3 12	10 46.97	+ 6 25.2	1.808	2.790	3.9	20.2
3 22	10 39.65	+ 7 7.5	1.859	2.804	7.9	20.4
4 1	10 34.04	+ 7 40.3	1.936	2.819	11.5	20.7
4 11	10 30.61	+ 8 0.9	2.035	2.834	14.5	20.9

78749 2002 TN_{278} 3 2.7 170°.93 3°.7/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.25	− 7 14.4	2.489	3.283	11.7	19.5
2 11	11 9.82	− 7 14.3	2.406	3.285	9.1	19.3
2 21	11 2.95	− 6 58.4	2.348	3.287	6.4	19.1
3 2	10 55.21	− 6 28.2	2.317	3.289	4.1	19.0
3 12	10 47.36	− 5 46.9	2.317	3.290	4.1	19.0
3 22	10 40.12	− 4 59.0	2.345	3.291	6.5	19.1
4 1	10 34.17	− 4 9.6	2.400	3.291	9.2	19.3
4 11	10 29.96	− 3 23.6	2.480	3.292	11.8	19.5

238546 2004 VK_{65} 3 2.7 197°.64 0°.7/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.84	+ 2 15.5	1.897	2.738	12.9	21.6
2 11	11 12.73	+ 2 55.5	1.817	2.736	9.3	21.4
2 21	11 4.64	+ 3 49.8	1.763	2.732	5.2	21.1
3 2	10 55.32	+ 4 53.4	1.737	2.728	0.9	20.8
3 12	10 45.82	+ 5 59.6	1.741	2.722	4.0	21.0
3 22	10 37.16	+ 7 1.5	1.773	2.717	8.4	21.3
4 1	10 30.24	+ 7 53.3	1.831	2.710	12.3	21.5
4 11	10 25.65	+ 8 31.2	1.911	2.703	15.5	21.7

447267 2005 UE_{366} 3 2.7 79°.89 1°.7/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.48	− 0 55.4	1.333	2.183	16.8	21.3
2 11	11 12.78	− 0 5.4	1.283	2.203	12.2	21.1
2 21	11 4.70	+ 1 6.5	1.255	2.223	7.0	20.8
3 2	10 55.32	+ 2 33.1	1.253	2.242	2.1	20.6
3 12	10 46.04	+ 4 3.8	1.278	2.262	4.7	20.8
3 22	10 38.13	+ 5 28.2	1.329	2.281	9.7	21.1
4 1	10 32.56	+ 6 38.2	1.404	2.300	14.1	21.4
4 11	10 29.86	+ 7 29.1	1.499	2.319	17.8	21.7

32718 1103 T-3 3 2.7 232°.11 4°.1/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.75	− 5 36.5	1.713	2.530	15.2	19.3
2 11	11 12.95	− 5 30.4	1.624	2.520	11.7	19.1
2 21	11 4.89	− 5 2.5	1.559	2.510	7.9	18.8
3 2	10 55.36	− 4 14.7	1.519	2.498	4.5	18.6
3 12	10 45.48	− 3 12.1	1.508	2.487	5.0	18.6
3 22	10 36.44	− 2 2.3	1.524	2.475	8.8	18.8
4 1	10 29.28	− 0 53.4	1.565	2.462	12.9	19.0
4 11	10 24.72	+ 0 7.1	1.628	2.449	16.6	19.2

140993 2001 WB_{27} 3 2.7 62°.26 4°.6/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.12	+19 28.3	2.180	3.053	10.2	19.2
2 11	11 9.86	+20 35.5	2.128	3.059	7.4	19.0
2 21	11 2.99	+21 40.5	2.103	3.066	5.1	18.9
3 2	10 55.23	+22 36.5	2.106	3.073	4.9	18.9
3 12	10 47.46	+23 17.8	2.137	3.079	7.1	19.0
3 22	10 40.54	+23 41.1	2.195	3.086	9.8	19.2
4 1	10 35.17	+23 45.3	2.277	3.093	12.5	19.4
4 11	10 31.80	+23 31.7	2.378	3.100	14.7	19.6

363334 2002 PD_{174} 3 2.7 230°.79 0°.8/ 3.4 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.70	+ 2 6.4	1.991	2.831	12.4	23.0
2 11	11 11.93	+ 2 41.1	1.902	2.820	9.0	22.8
2 21	11 4.24	+ 3 29.7	1.839	2.808	5.0	22.5
3 2	10 55.32	+ 4 27.9	1.804	2.795	1.0	22.2
3 12	10 46.14	+ 5 29.5	1.799	2.781	3.9	22.4
3 22	10 37.69	+ 6 28.2	1.823	2.767	8.1	22.6
4 1	10 30.84	+ 7 18.1	1.873	2.753	12.0	22.8
4 11	10 26.23	+ 7 55.4	1.944	2.738	15.2	23.0

93934 2000 WC_{167} 3 2.7 140°.87 0°.3/ 2.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.37	+ 5 17.4	2.238	3.085	11.0	20.6
2 11	11 10.65	+ 6 2.0	2.172	3.095	7.7	20.4
2 21	11 3.39	+ 6 55.7	2.133	3.105	4.0	20.2
3 2	10 55.26	+ 7 53.7	2.123	3.114	0.3	19.9
3 12	10 47.09	+ 8 50.2	2.144	3.123	3.7	20.2
3 22	10 39.70	+ 9 40.1	2.193	3.131	7.4	20.4
4 1	10 33.76	+10 19.5	2.269	3.139	10.6	20.6
4 11	10 29.75	+10 46.1	2.368	3.146	13.3	20.8

375378 2008 SX_{153} 3 2.7 210°.96 1°.6/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.91	+ 9 55.8	2.142	3.002	10.9	20.8
2 11	11 11.18	+10 35.5	2.068	2.998	7.6	20.6
2 21	11 3.74	+11 21.1	2.021	2.995	4.0	20.4
3 2	10 55.28	+12 7.3	2.002	2.991	1.6	20.2
3 12	10 46.72	+12 48.4	2.013	2.986	4.7	20.4
3 22	10 38.92	+13 19.9	2.052	2.982	8.3	20.6
4 1	10 32.65	+13 38.7	2.117	2.977	11.6	20.8
4 11	10 28.44	+13 43.5	2.203	2.972	14.4	21.0

145577 2006 PK_{1} 3 2.7 173°.15 0°.1/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.84	+ 5 3.7	2.099	2.944	11.7	20.8
2 11	11 12.52	+ 5 38.7	2.026	2.947	8.3	20.6
2 21	11 4.44	+ 6 23.6	1.979	2.950	4.4	20.3
3 2	10 55.33	+ 7 13.6	1.961	2.952	0.3	20.0
3 12	10 46.13	+ 8 2.9	1.974	2.954	3.9	20.3
3 22	10 37.75	+ 8 46.4	2.016	2.955	7.8	20.5
4 1	10 30.98	+ 9 19.9	2.084	2.955	11.3	20.7
4 11	10 26.33	+ 9 40.9	2.174	2.954	14.3	20.9

328333 2008 JG_{34} 3 2.7 271°.39 7°.2/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.25	+24 43.9	1.952	2.823	11.3	20.8
2 11	11 12.59	+26 28.0	1.876	2.798	8.8	20.6
2 21	11 4.71	+28 8.7	1.827	2.773	7.3	20.5
3 2	10 55.36	+29 35.7	1.805	2.747	7.9	20.4
3 12	10 45.65	+30 40.1	1.811	2.721	10.3	20.5
3 22	10 36.72	+31 17.0	1.841	2.695	13.2	20.6
4 1	10 29.63	+31 25.3	1.892	2.668	16.1	20.8
4 11	10 25.08	+31 7.4	1.961	2.641	18.6	20.9

370767 2004 RX_{294} 3 2.7 133°.84 0°.1/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.89	+ 5 45.3	1.984	2.835	12.0	21.5
2 11	11 11.90	+ 6 7.6	1.915	2.840	8.5	21.3
2 21	11 4.12	+ 6 39.0	1.872	2.844	4.5	21.0
3 2	10 55.31	+ 7 15.1	1.858	2.849	0.3	20.7
3 12	10 46.44	+ 7 50.4	1.872	2.853	4.0	21.0
3 22	10 38.45	+ 8 20.1	1.915	2.857	8.0	21.3
4 1	10 32.13	+ 8 40.6	1.984	2.861	11.6	21.5
4 11	10 27.98	+ 8 49.6	2.075	2.865	14.5	21.7

155102 2005 SB_{219} 3 2.7 132°.91 4°.3/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.18	− 9 33.5	2.266	3.051	13.0	20.2
2 11	11 10.54	− 9 18.1	2.193	3.065	10.2	20.0
2 21	11 3.35	− 8 43.2	2.143	3.077	7.3	19.8
3 2	10 55.27	− 7 50.7	2.122	3.090	4.8	19.7
3 12	10 47.14	− 6 45.2	2.129	3.101	4.6	19.7
3 22	10 39.77	− 5 32.6	2.166	3.112	6.9	19.9
4 1	10 33.84	− 4 19.4	2.230	3.123	9.8	20.1
4 11	10 29.83	− 3 11.6	2.318	3.133	12.4	20.2

292471 2006 SQ_{387} 3 2.7 276°.20 1°.2/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.91	− 0 49.2	2.306	3.139	11.2	21.1
2 11	11 7.60	+ 0 7.0	2.223	3.135	8.2	20.9
2 21	11 1.83	+ 1 18.3	2.166	3.130	4.8	20.7
3 2	10 55.17	+ 2 40.3	2.137	3.126	1.5	20.4
3 12	10 48.39	+ 4 6.9	2.139	3.122	3.2	20.5
3 22	10 42.22	+ 5 31.4	2.170	3.117	6.8	20.8
4 1	10 37.32	+ 6 47.9	2.228	3.113	10.1	21.0
4 11	10 34.19	+ 7 52.0	2.310	3.109	13.0	21.1

432194 2009 DX_{67} 3 2.7 88°.39 0°.3/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 14.53	+ 5 18.8	2.189	3.041	11.0	21.5
2 11	11 9.37	+ 6 4.7	2.129	3.054	7.7	21.3
2 21	11 2.71	+ 6 59.6	2.095	3.067	4.0	21.1
3 2	10 55.23	+ 7 58.7	2.089	3.080	0.4	20.8
3 12	10 47.74	+ 8 56.1	2.114	3.093	3.7	21.1
3 22	10 41.04	+ 9 46.6	2.167	3.106	7.3	21.4
4 1	10 35.77	+10 26.3	2.246	3.119	10.5	21.6
4 11	10 32.39	+10 53.0	2.347	3.131	13.2	21.8

301777 2010 JG_{147} 3 2.7 249°.20 1°.0/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.53	+ 0 55.3	2.696	3.527	9.9	22.0
2 11	11 8.62	+ 1 31.2	2.599	3.510	7.2	21.8
2 21	11 2.35	+ 2 18.4	2.527	3.493	4.1	21.6
3 2	10 55.22	+ 3 13.9	2.486	3.475	1.2	21.4
3 12	10 47.89	+ 4 13.2	2.475	3.457	3.0	21.5
3 22	10 41.05	+ 5 11.4	2.494	3.438	6.2	21.6
4 1	10 35.31	+ 6 4.2	2.541	3.419	9.3	21.8
4 11	10 31.15	+ 6 48.1	2.611	3.400	11.9	22.0

304784 2007 MT_{15} 3 2.7 286°.57 4°.9/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.31	− 5 55.9	1.445	2.273	16.9	20.8
2 11	11 12.33	− 6 1.3	1.355	2.256	13.2	20.5
2 21	11 4.76	− 5 41.9	1.286	2.238	9.0	20.2
3 2	10 55.39	− 4 58.5	1.242	2.220	5.4	19.9
3 12	10 45.51	− 3 56.1	1.223	2.202	5.9	19.9
3 22	10 36.51	− 2 43.2	1.230	2.184	10.0	20.1
4 1	10 29.64	− 1 29.7	1.260	2.167	14.6	20.3
4 11	10 25.76	− 0 24.9	1.311	2.149	18.8	20.5

27680 1981 EQ_{8} 3 2.7 72°.27 2°.1/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.67	− 1 7.0	1.702	2.539	14.3	18.4
2 11	11 11.81	− 0 40.2	1.651	2.563	10.5	18.2
2 21	11 4.07	+ 0 3.6	1.624	2.587	6.2	18.0
3 2	10 55.33	+ 0 59.5	1.624	2.611	2.4	17.8
3 12	10 46.69	+ 2 0.7	1.652	2.635	4.0	18.0
3 22	10 39.16	+ 3 0.2	1.708	2.658	8.0	18.3
4 1	10 33.52	+ 3 51.8	1.789	2.682	11.8	18.5
4 11	10 30.25	+ 4 31.3	1.892	2.705	14.9	18.8

212865 2007 VX_{119} 3 2.7 74°.06 7°.0/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.88	+22 23.5	1.459	2.335	14.0	20.1
2 11	11 15.89	+23 25.7	1.413	2.343	10.4	19.9
2 21	11 6.37	+24 20.8	1.392	2.351	7.6	19.7
3 2	10 55.48	+24 58.8	1.396	2.360	7.4	19.7
3 12	10 44.73	+25 12.4	1.427	2.368	10.0	19.9
3 22	10 35.49	+24 59.5	1.482	2.376	13.4	20.1
4 1	10 28.80	+24 21.8	1.558	2.385	16.7	20.3
4 11	10 25.14	+23 23.6	1.652	2.393	19.5	20.6

66002 1998 OL_{5} 3 2.7 157°.65 0°.0/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.33	+ 3 32.9	1.668	2.519	13.9	19.9
2 11	11 13.19	+ 4 28.7	1.602	2.526	9.9	19.7
2 21	11 4.92	+ 5 39.2	1.560	2.532	5.3	19.4
3 2	10 55.40	+ 6 57.7	1.547	2.538	0.3	19.0
3 12	10 45.78	+ 8 15.7	1.562	2.542	4.6	19.4
3 22	10 37.21	+ 9 25.1	1.605	2.547	9.2	19.7
4 1	10 30.62	+10 20.0	1.673	2.550	13.3	19.9
4 11	10 26.59	+10 57.2	1.761	2.553	16.7	20.2

398115 2009 UM_{141} 3 2.7 46°.41 2°.8/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.85	+ 9 59.5	1.076	1.961	17.1	20.8
2 11	11 14.20	+10 51.0	1.031	1.972	11.9	20.6
2 21	11 5.63	+11 52.4	1.008	1.984	6.3	20.3
3 2	10 55.44	+12 53.0	1.008	1.997	2.8	20.1
3 12	10 45.36	+13 41.9	1.034	2.010	7.3	20.4
3 22	10 37.00	+14 11.7	1.082	2.023	12.7	20.8
4 1	10 31.50	+14 19.1	1.152	2.037	17.4	21.1
4 11	10 29.38	+14 4.7	1.238	2.052	21.1	21.4

519972 2013 TU_{166} 3 2.7 174°.41 0°.5/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.60	+ 2 49.5	2.317	3.157	10.9	22.1
2 11	11 10.14	+ 3 29.0	2.242	3.159	7.8	21.9
2 21	11 3.16	+ 4 19.5	2.192	3.161	4.3	21.7
3 2	10 55.28	+ 5 16.7	2.172	3.163	0.7	21.4
3 12	10 47.31	+ 6 15.4	2.182	3.163	3.4	21.6
3 22	10 40.02	+ 7 10.1	2.221	3.164	7.0	21.9
4 1	10 34.11	+ 7 56.5	2.288	3.164	10.2	22.1
4 11	10 30.05	+ 8 31.6	2.377	3.164	13.0	22.2

435278 2007 TP_{315} 3 2.7 36°.16 2°.8/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.32	− 3 34.2	1.936	2.764	13.3	21.0
2 11	11 8.73	− 3 11.8	1.868	2.772	10.0	20.8
2 21	11 2.46	− 2 31.8	1.824	2.781	6.3	20.6
3 2	10 55.23	− 1 37.4	1.806	2.790	3.1	20.4
3 12	10 47.94	− 0 34.5	1.817	2.799	3.9	20.5
3 22	10 41.47	+ 0 30.4	1.856	2.809	7.3	20.7
4 1	10 36.57	+ 1 30.9	1.921	2.819	10.8	20.9
4 11	10 33.71	+ 2 21.8	2.008	2.829	13.8	21.2

77958 2002 HR_{10} 3 2.7 237°.47 0°.2/ 2.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.74	+ 5 2.6	1.878	2.728	12.6	20.5
2 11	11 12.78	+ 5 38.9	1.792	2.716	9.0	20.2
2 21	11 4.75	+ 6 27.1	1.730	2.702	4.8	20.0
3 2	10 55.40	+ 7 22.2	1.697	2.688	0.3	19.6
3 12	10 45.76	+ 8 17.6	1.693	2.674	4.4	19.9
3 22	10 36.90	+ 9 6.7	1.718	2.658	8.8	20.1
4 1	10 29.78	+ 9 44.6	1.768	2.643	12.8	20.3
4 11	10 25.05	+10 8.1	1.839	2.627	16.2	20.5

318087 2004 GW_{48} 3 2.7 172°.47 3°.0/ 5.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.66	− 4 25.7	1.881	2.703	13.8	21.3
2 11	11 10.49	− 3 57.3	1.804	2.705	10.5	21.1
2 21	11 3.46	− 3 9.2	1.750	2.706	6.7	20.9
3 2	10 55.31	− 2 4.6	1.724	2.706	3.4	20.7
3 12	10 47.01	− 0 49.8	1.726	2.707	4.1	20.7
3 22	10 39.53	+ 0 27.6	1.756	2.707	7.8	20.9
4 1	10 33.72	+ 1 40.5	1.812	2.708	11.5	21.2
4 11	10 30.14	+ 2 42.7	1.891	2.707	14.7	21.4

192007 2005 YO_{33} 3 2.7 303°.98 0°.4/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.30	+ 5 28.7	1.749	2.610	12.9	20.9
2 11	11 10.42	+ 6 7.1	1.669	2.598	9.2	20.6
2 21	11 3.51	+ 6 57.6	1.613	2.587	4.9	20.3
3 2	10 55.32	+ 7 55.0	1.584	2.575	0.4	19.9
3 12	10 46.89	+ 8 52.0	1.584	2.564	4.6	20.2
3 22	10 39.29	+ 9 41.8	1.610	2.553	9.1	20.5
4 1	10 33.46	+10 19.2	1.661	2.543	13.1	20.7
4 11	10 30.01	+10 41.0	1.732	2.532	16.6	20.9

235639 2004 RR_{75} 3 2.7 172°.29 0°.7/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.25	+ 5 57.0	1.781	2.636	13.0	20.9
2 11	11 13.07	+ 6 48.5	1.712	2.639	9.2	20.7
2 21	11 4.85	+ 7 51.5	1.668	2.642	4.8	20.4
3 2	10 55.41	+ 8 59.4	1.653	2.644	0.7	20.1
3 12	10 45.85	+10 4.6	1.667	2.645	4.7	20.4
3 22	10 37.27	+11 0.4	1.708	2.646	9.1	20.7
4 1	10 30.56	+11 41.8	1.775	2.646	13.0	20.9
4 11	10 26.30	+12 6.6	1.863	2.646	16.2	21.1

466729 2014 YK_{22} 3 2.7 112°.27 2°.0/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.81	+10 2.8	1.994	2.859	11.4	21.4
2 11	11 10.45	+11 1.7	1.933	2.866	7.9	21.2
2 21	11 3.36	+12 7.0	1.899	2.873	4.1	21.0
3 2	10 55.31	+13 12.1	1.893	2.880	2.1	20.8
3 12	10 47.22	+14 10.3	1.916	2.887	5.1	21.0
3 22	10 39.99	+14 56.2	1.966	2.894	8.8	21.3
4 1	10 34.38	+15 26.6	2.042	2.900	12.1	21.5
4 11	10 30.88	+15 40.4	2.139	2.907	14.8	21.7

140474 2001 TM_{135} 3 2.7 332°.39 5°.3/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.33	− 9 55.9	1.967	2.764	14.3	19.2
2 11	11 8.89	−10 3.1	1.880	2.756	11.5	19.0
2 21	11 2.65	− 9 48.8	1.815	2.748	8.4	18.8
3 2	10 55.28	− 9 13.6	1.776	2.741	5.9	18.6
3 12	10 47.69	− 8 21.0	1.764	2.735	5.6	18.6
3 22	10 40.80	− 7 17.0	1.780	2.728	7.9	18.7
4 1	10 35.45	− 6 8.8	1.820	2.722	11.1	18.9
4 11	10 32.23	− 5 3.7	1.883	2.717	14.1	19.0

521001 2015 BV_{545} 3 2.7 152°.81 1°.2/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.94	+ 9 47.4	2.442	3.296	9.9	21.4
2 11	11 11.00	+10 10.3	2.373	3.300	6.9	21.2
2 21	11 3.59	+10 37.7	2.330	3.303	3.6	21.0
3 2	10 55.35	+11 5.5	2.317	3.307	1.2	20.8
3 12	10 47.07	+11 29.4	2.334	3.310	3.9	21.0
3 22	10 39.51	+11 46.0	2.381	3.312	7.2	21.2
4 1	10 33.31	+11 53.2	2.454	3.315	10.2	21.4
4 11	10 28.94	+11 49.8	2.549	3.317	12.7	21.6

225245 2009 QC_{28} 3 2.7 235°.61 1°.2/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.18	− 0 39.2	2.082	2.915	12.3	21.2
2 11	11 10.12	+ 0 14.8	1.991	2.903	9.0	20.9
2 21	11 3.29	+ 1 25.9	1.926	2.891	5.2	20.7
3 2	10 55.34	+ 2 49.6	1.890	2.879	1.5	20.4
3 12	10 47.15	+ 4 18.9	1.883	2.866	3.6	20.5
3 22	10 39.62	+ 5 46.3	1.905	2.852	7.7	20.7
4 1	10 33.57	+ 7 5.1	1.955	2.838	11.4	20.9
4 11	10 29.56	+ 8 10.1	2.027	2.823	14.6	21.1

293714 2007 QZ_{15} 3 2.7 201°.58 2°.3/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.01	+ 9 31.2	1.882	2.744	12.1	21.7
2 11	11 12.21	+10 49.6	1.808	2.740	8.4	21.5
2 21	11 4.43	+12 17.2	1.761	2.735	4.4	21.2
3 2	10 55.42	+13 46.0	1.743	2.730	2.4	21.1
3 12	10 46.23	+15 7.5	1.755	2.724	5.7	21.3
3 22	10 37.89	+16 14.5	1.795	2.718	9.7	21.5
4 1	10 31.30	+17 2.8	1.859	2.711	13.4	21.7
4 11	10 27.05	+17 30.8	1.944	2.703	16.4	21.9

113227 2002 RB_{122} 3 2.7 130°.72 4°.7/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.26	+20 30.9	2.274	3.142	10.0	19.8
2 11	11 11.34	+21 31.1	2.221	3.148	7.3	19.7
2 21	11 3.80	+22 28.2	2.195	3.155	5.1	19.5
3 2	10 55.38	+23 15.6	2.197	3.162	5.0	19.5
3 12	10 46.96	+23 48.2	2.229	3.168	7.0	19.7
3 22	10 39.40	+24 3.2	2.287	3.174	9.7	19.8
4 1	10 33.40	+23 59.8	2.369	3.180	12.2	20.0
4 11	10 29.42	+23 39.6	2.472	3.185	14.4	20.2

173026 2006 QL_{18} 3 2.7 175°.34 3°.3/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.90	+16 40.2	2.408	3.272	9.7	20.4
2 11	11 11.03	+17 22.7	2.343	3.273	6.8	20.2
2 21	11 3.63	+18 5.0	2.306	3.274	4.2	20.1
3 2	10 55.37	+18 41.9	2.298	3.275	3.5	20.0
3 12	10 47.07	+19 8.5	2.319	3.275	5.6	20.2
3 22	10 39.53	+19 21.8	2.369	3.275	8.5	20.3
4 1	10 33.41	+19 20.6	2.443	3.275	11.2	20.5
4 11	10 29.18	+19 5.1	2.539	3.275	13.5	20.7

226747 2004 RK_{25} 3 2.7 220°.31 0°.1/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.25	+ 5 17.5	1.997	2.847	12.0	20.8
2 11	11 11.55	+ 5 45.9	1.919	2.843	8.5	20.6
2 21	11 4.03	+ 6 24.4	1.867	2.839	4.5	20.3
3 2	10 55.40	+ 7 8.5	1.844	2.835	0.3	20.0
3 12	10 46.63	+ 7 52.4	1.849	2.830	4.0	20.3
3 22	10 38.64	+ 8 30.7	1.883	2.825	8.1	20.5
4 1	10 32.28	+ 8 59.3	1.943	2.820	11.7	20.7
4 11	10 28.09	+ 9 15.6	2.024	2.815	14.8	20.9

73797 1995 KD_{4} 3 2.7 318°.85 6°.0/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.68	+23 2.5	1.985	2.857	11.1	19.4
2 11	11 11.91	+24 4.1	1.926	2.852	8.3	19.2
2 21	11 4.22	+25 0.6	1.892	2.847	6.3	19.0
3 2	10 55.43	+25 44.3	1.886	2.843	6.4	19.0
3 12	10 46.57	+26 9.1	1.907	2.838	8.5	19.2
3 22	10 38.66	+26 12.2	1.953	2.834	11.4	19.3
4 1	10 32.55	+25 53.5	2.022	2.830	14.1	19.5
4 11	10 28.76	+25 15.4	2.110	2.826	16.5	19.7

37446 4067 $P–L$ 3 2.7 213°.58 0°.2/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.12	+ 4 29.3	2.844	3.684	9.1	20.1
2 11	11 8.94	+ 4 58.1	2.759	3.678	6.5	19.9
2 21	11 2.50	+ 5 34.7	2.701	3.671	3.5	19.7
3 2	10 55.31	+ 6 15.8	2.673	3.664	0.3	19.4
3 12	10 48.01	+ 6 57.6	2.676	3.657	2.9	19.7
3 22	10 41.22	+ 7 36.1	2.709	3.649	6.0	19.8
4 1	10 35.52	+ 8 8.2	2.769	3.641	8.8	20.0
4 11	10 31.33	+ 8 31.4	2.854	3.632	11.2	20.2

238813 2005 NT_{70} 3 2.7 223°.44 4°.0/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.35	+20 45.1	2.993	3.857	8.0	21.1
2 11	11 9.13	+21 57.1	2.921	3.846	5.9	20.9
2 21	11 2.62	+23 7.5	2.877	3.835	4.3	20.8
3 2	10 55.33	+24 11.1	2.864	3.823	4.3	20.8
3 12	10 47.90	+25 2.8	2.881	3.811	6.1	20.9
3 22	10 41.00	+25 39.8	2.926	3.798	8.3	21.0
4 1	10 35.20	+26 0.4	2.995	3.785	10.4	21.1
4 11	10 30.95	+26 5.0	3.086	3.771	12.3	21.3

453244 2008 RB_{138} 3 2.7 118°.94 2°.0/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.47	+ 0 16.7	1.639	2.475	14.9	22.0
2 11	11 15.35	+ 0 27.5	1.580	2.492	10.8	21.8
2 21	11 6.06	+ 0 54.2	1.544	2.509	6.4	21.5
3 2	10 55.56	+ 1 32.7	1.537	2.525	2.2	21.3
3 12	10 45.09	+ 2 16.8	1.557	2.540	4.3	21.5
3 22	10 35.83	+ 2 59.8	1.606	2.554	8.7	21.8
4 1	10 28.69	+ 3 36.2	1.680	2.568	12.7	22.0
4 11	10 24.21	+ 4 1.8	1.776	2.582	16.0	22.3

149706 2004 HY_{56} 3 2.7 211°.82 4°.4/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.33	+17 15.4	2.247	3.115	10.1	20.6
2 11	11 10.86	+18 57.1	2.177	3.108	7.2	20.4
2 21	11 3.67	+20 40.7	2.136	3.101	4.8	20.2
3 2	10 55.41	+22 18.0	2.125	3.093	4.8	20.2
3 12	10 46.96	+23 41.2	2.144	3.084	7.2	20.3
3 22	10 39.21	+24 44.9	2.190	3.075	10.1	20.5
4 1	10 32.94	+25 26.7	2.261	3.065	12.9	20.7
4 11	10 28.71	+25 46.8	2.351	3.054	15.3	20.8

426509 2013 RS_{39} 3 2.7 114°.46 0°.4/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.21	+ 2 36.1	2.003	2.849	12.1	21.4
2 11	11 10.04	+ 3 23.7	1.936	2.857	8.6	21.2
2 21	11 3.19	+ 4 24.0	1.895	2.865	4.7	21.0
3 2	10 55.37	+ 5 32.1	1.882	2.873	0.6	20.7
3 12	10 47.50	+ 6 41.0	1.898	2.880	3.7	20.9
3 22	10 40.44	+ 7 44.6	1.943	2.888	7.7	21.2
4 1	10 34.96	+ 8 37.6	2.014	2.895	11.2	21.4
4 11	10 31.53	+ 9 16.7	2.107	2.902	14.2	21.6

328389 2008 RK_{98} 3 2.7 262°.17 8°.7/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.02	+32 30.5	2.203	3.055	11.0	20.8
2 11	11 14.47	+34 5.9	2.135	3.030	9.3	20.7
2 21	11 5.72	+35 30.8	2.092	3.006	8.7	20.6
3 2	10 55.55	+36 35.9	2.077	2.980	9.4	20.6
3 12	10 45.09	+37 14.3	2.088	2.954	11.2	20.6
3 22	10 35.48	+37 23.4	2.122	2.928	13.5	20.7
4 1	10 27.73	+37 4.1	2.177	2.901	15.8	20.9
4 11	10 22.50	+36 20.0	2.248	2.873	17.7	21.0

21611 Rosoff 3 2.7 187°.33 4°.1/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.28	− 9 34.5	2.420	3.203	12.3	19.4
2 11	11 9.95	− 9 14.0	2.332	3.203	9.7	19.2
2 21	11 3.12	− 8 34.6	2.268	3.202	6.9	19.0
3 2	10 55.37	− 7 37.9	2.232	3.200	4.6	18.9
3 12	10 47.48	− 6 28.1	2.226	3.198	4.4	18.9
3 22	10 40.21	− 5 10.9	2.249	3.195	6.7	19.0
4 1	10 34.25	− 3 52.7	2.300	3.192	9.5	19.2
4 11	10 30.10	− 2 39.5	2.375	3.188	12.2	19.3

408319 2013 GC_{49} 3 2.7 353°.37 1°.5/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.42	+ 7 29.0	1.126	2.011	16.6	20.9
2 11	11 11.24	+ 8 9.9	1.065	2.005	11.7	20.6
2 21	11 4.23	+ 9 5.3	1.024	2.001	6.1	20.2
3 2	10 55.47	+10 6.5	1.008	1.998	1.5	19.9
3 12	10 46.51	+11 2.8	1.015	1.996	6.5	20.2
3 22	10 38.90	+11 44.9	1.046	1.995	12.1	20.5
4 1	10 33.89	+12 7.1	1.098	1.995	17.1	20.8
4 11	10 32.14	+12 7.4	1.167	1.996	21.2	21.1

150642 2001 CZ_{31} 3 2.7 340°.93 0°.1/29.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	10 57.11	+11 22.7	39.272	40.127	0.7	22.0
2 11	10 56.42	+11 27.9	39.197	40.126	0.5	22.0
2 21	10 55.67	+11 33.2	39.151	40.125	0.2	21.9
3 2	10 54.88	+11 38.6	39.135	40.123	0.1	21.9
3 12	10 54.09	+11 43.7	39.150	40.122	0.3	22.0
3 22	10 53.33	+11 48.4	39.194	40.121	0.5	22.0
4 1	10 52.63	+11 52.6	39.267	40.120	0.8	22.0
4 11	10 52.01	+11 56.1	39.365	40.118	1.0	22.0

331911 2004 RS_{68} 3 2.7 180°.34 2°.6/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.63	+14 5.3	2.303	3.161	10.3	21.0
2 11	11 13.01	+14 40.1	2.234	3.163	7.2	20.8
2 21	11 4.73	+15 16.4	2.192	3.163	4.0	20.6
3 2	10 55.50	+15 49.1	2.180	3.163	2.7	20.5
3 12	10 46.23	+16 13.5	2.198	3.163	5.2	20.6
3 22	10 37.75	+16 26.1	2.245	3.162	8.4	20.8
4 1	10 30.82	+16 25.4	2.318	3.161	11.4	21.0
4 11	10 25.92	+16 11.3	2.413	3.159	13.9	21.2

99381 2001 YO_{94} 3 2.7 202°.72 3°.5/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.29	+13 16.8	1.800	2.667	12.2	20.1
2 11	11 13.21	+14 33.4	1.731	2.664	8.6	19.9
2 21	11 5.02	+15 55.3	1.687	2.659	4.9	19.7
3 2	10 55.54	+17 13.9	1.673	2.654	3.7	19.6
3 12	10 45.88	+18 20.7	1.687	2.649	6.8	19.8
3 22	10 37.16	+19 9.5	1.729	2.643	10.7	20.0
4 1	10 30.33	+19 37.3	1.794	2.636	14.2	20.2
4 11	10 26.00	+19 44.0	1.878	2.628	17.2	20.4

498100 2007 RT_{292} 3 2.7 180°.71 0°.8/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.40	+ 7 35.4	2.389	3.241	10.2	22.4
2 11	11 10.00	+ 8 13.1	2.315	3.242	7.1	22.2
2 21	11 3.13	+ 8 57.8	2.269	3.242	3.7	22.0
3 2	10 55.40	+ 9 44.9	2.252	3.242	0.8	21.8
3 12	10 47.59	+10 29.4	2.265	3.242	3.8	22.0
3 22	10 40.45	+11 7.0	2.307	3.241	7.2	22.2
4 1	10 34.65	+11 34.4	2.375	3.241	10.3	22.4
4 11	10 30.65	+11 49.8	2.466	3.240	12.9	22.6

177531 2004 FR_{21} 3 2.7 38°.61 2°.0/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.61	+ 0 2.9	1.229	2.090	17.2	19.6
2 11	11 11.61	+ 0 26.2	1.184	2.109	12.5	19.3
2 21	11 4.20	+ 1 10.4	1.161	2.129	7.3	19.1
3 2	10 55.47	+ 2 9.1	1.161	2.150	2.4	18.9
3 12	10 46.87	+ 3 13.1	1.187	2.172	4.8	19.1
3 22	10 39.70	+ 4 13.2	1.238	2.194	9.8	19.4
4 1	10 34.93	+ 5 1.8	1.312	2.217	14.3	19.7
4 11	10 33.03	+ 5 34.5	1.405	2.241	18.0	20.0

390014 2012 TS_{318} 3 2.7 52°.76 0°.2/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.70	+ 2 41.6	2.094	2.942	11.6	20.6
2 11	11 8.20	+ 3 37.6	2.032	2.955	8.2	20.4
2 21	11 2.20	+ 4 45.9	1.997	2.967	4.4	20.2
3 2	10 55.34	+ 6 0.9	1.989	2.980	0.5	19.9
3 12	10 48.47	+ 7 16.0	2.012	2.993	3.6	20.1
3 22	10 42.37	+ 8 25.0	2.062	3.006	7.3	20.4
4 1	10 37.70	+ 9 22.8	2.139	3.020	10.7	20.6
4 11	10 34.92	+10 6.4	2.238	3.033	13.4	20.8

109173 2001 QZ_{64} 3 2.7 113°.86 4°.3/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.58	+18 32.9	1.929	2.792	11.8	19.4
2 11	11 15.88	+19 6.9	1.879	2.807	8.4	19.2
2 21	11 6.25	+19 37.9	1.855	2.821	5.3	19.0
3 2	10 55.62	+19 59.4	1.859	2.834	4.4	19.0
3 12	10 45.13	+20 6.6	1.893	2.848	6.8	19.2
3 22	10 35.83	+19 57.3	1.955	2.861	10.1	19.4
4 1	10 28.52	+19 31.6	2.041	2.873	13.1	19.6
4 11	10 23.68	+18 51.5	2.147	2.885	15.7	19.8

295946 2008 XM_{45} 3 2.7 7°.24 3°.0/ 5.5 17

2 1	11 16.36	− 2 41.4	2.123	2.945	12.5	19.6
2 11	11 10.85	− 2 51.9	2.045	2.945	9.4	19.4
2 21	11 3.66	− 2 48.2	1.991	2.945	6.1	19.2
3 2	10 55.45	− 2 32.1	1.965	2.946	3.3	19.0
3 12	10 47.12	− 2 7.1	1.967	2.947	4.0	19.1
3 22	10 39.52	− 1 37.7	1.998	2.948	7.1	19.3
4 1	10 33.42	− 1 8.7	2.056	2.949	10.4	19.5
4 11	10 29.34	− 0 44.4	2.136	2.950	13.4	19.7

473191 2015 KJ_{73} 3 2.7 269°.74 2°.9/ 6.4 17

2 1	11 12.55	− 6 1.8	2.615	3.418	11.0	21.5
2 11	11 8.05	− 5 34.2	2.511	3.399	8.5	21.3
2 21	11 2.15	− 4 50.5	2.433	3.380	5.7	21.1
3 2	10 55.36	− 3 52.7	2.382	3.360	3.3	20.9
3 12	10 48.35	− 2 44.8	2.362	3.341	3.5	20.9
3 22	10 41.81	− 1 32.0	2.371	3.321	6.2	21.1
4 1	10 36.39	− 0 19.9	2.408	3.301	9.1	21.2
4 11	10 32.58	+ 0 46.4	2.470	3.281	11.9	21.4

26173 1996 DQ_{2} 3 2.7 284°.77 3°.0/29.1 18

2 1	11 16.99	+11 39.3	1.642	2.515	12.9	17.8
2 11	11 11.73	+12 42.6	1.573	2.509	9.0	17.6
2 21	11 4.29	+13 53.0	1.530	2.504	4.9	17.3
3 2	10 55.52	+15 2.3	1.513	2.499	3.1	17.2
3 12	10 46.58	+16 1.8	1.524	2.493	6.5	17.4
3 22	10 38.62	+16 45.0	1.562	2.488	10.7	17.6
4 1	10 32.62	+17 8.4	1.622	2.482	14.6	17.8
4 11	10 29.20	+17 11.3	1.702	2.477	17.8	18.1

15717 1990 BL_{1} 3 2.7 69°.29 1°.9/ 4.7 18

2 1	11 14.71	− 2 51.8	1.646	2.483	14.8	17.3
2 11	11 9.91	− 1 46.5	1.588	2.500	10.8	17.1
2 21	11 3.21	− 0 20.0	1.554	2.517	6.4	16.9
3 2	10 55.44	+ 1 21.3	1.546	2.534	2.3	16.6
3 12	10 47.68	+ 3 7.8	1.568	2.551	4.0	16.8
3 22	10 40.95	+ 4 49.8	1.617	2.569	8.3	17.1
4 1	10 36.05	+ 6 19.1	1.692	2.586	12.2	17.3
4 11	10 33.49	+ 7 30.5	1.788	2.603	15.5	17.6

210229 2007 RA_{113} 3 2.7 138°.11 0°.9/ 3.6 18

2 1	11 17.61	+ 0 58.3	1.735	2.578	13.8	20.9
2 11	11 11.96	+ 1 50.3	1.669	2.587	10.0	20.7
2 21	11 4.32	+ 2 58.9	1.627	2.595	5.6	20.5
3 2	10 55.53	+ 4 18.2	1.613	2.603	1.2	20.2
3 12	10 46.67	+ 5 40.1	1.628	2.611	4.1	20.4
3 22	10 38.78	+ 6 56.4	1.671	2.618	8.5	20.7
4 1	10 32.75	+ 8 0.7	1.740	2.624	12.5	20.9
4 11	10 29.11	+ 8 48.8	1.830	2.630	15.8	21.2

378796 2008 SE_{103} 3 2.7 145°.24 1°.9/ 4.8 17

2 1	11 14.84	− 1 40.7	2.236	3.062	11.8	21.5
2 11	11 9.70	− 1 10.0	2.161	3.067	8.7	21.3
2 21	11 3.02	− 0 24.9	2.112	3.072	5.3	21.1
3 2	10 55.44	+ 0 31.4	2.090	3.077	2.2	20.9
3 12	10 47.78	+ 1 33.4	2.099	3.081	3.4	21.0
3 22	10 40.82	+ 2 35.4	2.136	3.085	6.8	21.2
4 1	10 35.26	+ 3 32.2	2.201	3.089	10.1	21.4
4 11	10 31.57	+ 4 19.4	2.288	3.093	12.9	21.6

219726 2001 XD_{127} 3 2.7 240°.12 2°.0/ 4.6 17

2 1	11 15.94	− 1 9.2	1.861	2.696	13.4	20.5
2 11	11 10.79	− 0 43.9	1.781	2.692	9.9	20.2
2 21	11 3.73	− 0 1.6	1.726	2.689	6.0	20.0
3 2	10 55.50	+ 0 53.8	1.698	2.685	2.3	19.8
3 12	10 47.09	+ 1 56.3	1.698	2.681	3.9	19.9
3 22	10 39.48	+ 2 59.1	1.726	2.677	8.0	20.1
4 1	10 33.55	+ 3 55.7	1.780	2.673	11.8	20.3
4 11	10 29.87	+ 4 41.0	1.856	2.669	15.1	20.5

370762 2004 RH_{264} 3 2.7 136°.94 0°.8/ 1.9 17

2 1	11 17.89	+ 7 29.6	2.185	3.037	11.0	22.0
2 11	11 11.81	+ 8 3.7	2.121	3.047	7.7	21.8
2 21	11 4.12	+ 8 44.9	2.083	3.056	4.0	21.6
3 2	10 55.53	+ 9 28.5	2.074	3.065	0.8	21.3
3 12	10 46.92	+10 9.0	2.096	3.073	4.0	21.6
3 22	10 39.13	+10 42.1	2.146	3.082	7.7	21.8
4 1	10 32.87	+11 4.6	2.223	3.089	10.9	22.1
4 11	10 28.62	+11 15.0	2.321	3.097	13.6	22.3

417080 2005 UF_{258} 3 2.7 39°.52 0°.3/ 3.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.67	+ 3 20.3	1.478	2.340	14.8	21.4
2 11	11 10.76	+ 3 59.6	1.425	2.353	10.5	21.2
2 21	11 3.73	+ 4 53.9	1.394	2.366	5.7	20.9
3 2	10 55.51	+ 5 56.8	1.389	2.380	0.6	20.6
3 12	10 47.30	+ 6 59.8	1.412	2.395	4.6	20.9
3 22	10 40.25	+ 7 55.3	1.461	2.410	9.3	21.3
4 1	10 35.26	+ 8 37.5	1.533	2.425	13.4	21.5
4 11	10 32.82	+ 9 3.3	1.626	2.441	16.8	21.8

12413 Johnnyweir 3 2.7 192°.11 1°.7/ 1.1 18

2 1	11 19.46	+ 9 45.6	2.033	2.890	11.5	19.4
2 11	11 13.12	+10 32.3	1.960	2.889	8.0	19.1
2 21	11 4.92	+11 25.6	1.913	2.886	4.2	18.9
3 2	10 55.60	+12 19.6	1.895	2.884	1.8	18.7
3 12	10 46.14	+13 7.9	1.907	2.880	4.9	18.9
3 22	10 37.53	+13 45.4	1.948	2.876	8.8	19.1
4 1	10 30.59	+14 8.7	2.014	2.871	12.3	19.3
4 11	10 25.88	+14 16.8	2.101	2.866	15.2	19.5

27656 1974 OU_{1} 3 2.7 289°.20 1°.7/ 1.2 18

2 1	11 17.78	+11 14.1	2.135	2.995	10.9	17.5
2 11	11 11.87	+11 35.8	2.060	2.990	7.6	17.3
2 21	11 4.22	+12 1.5	2.011	2.984	4.0	17.1
3 2	10 55.55	+12 26.5	1.991	2.979	1.8	16.9
3 12	10 46.77	+12 46.0	2.000	2.974	4.7	17.1
3 22	10 38.77	+12 56.3	2.038	2.969	8.3	17.3
4 1	10 32.34	+12 55.2	2.101	2.964	11.6	17.5
4 11	10 27.99	+12 41.9	2.186	2.959	14.4	17.7

246948 1999 RB_{142} 3 2.7 202°.59 0°.5/ 2.2 17

2 1	11 18.41	+ 5 34.6	2.134	2.981	11.5	22.0
2 11	11 12.35	+ 6 23.9	2.053	2.976	8.1	21.8
2 21	11 4.51	+ 7 23.7	1.998	2.970	4.3	21.5
3 2	10 55.57	+ 8 28.6	1.973	2.964	0.5	21.2
3 12	10 46.45	+ 9 32.3	1.978	2.956	4.1	21.5
3 22	10 38.06	+10 28.8	2.012	2.948	8.0	21.7
4 1	10 31.22	+11 13.5	2.073	2.939	11.6	21.9
4 11	10 26.47	+11 43.9	2.155	2.929	14.6	22.1

301996 2000 QU_{86} 3 2.7 134°.13 2°.3/ 4.8 18

2 1	11 19.98	− 1 44.7	1.812	2.639	14.0	20.8
2 11	11 13.54	− 1 23.9	1.746	2.652	10.4	20.6
2 21	11 5.14	− 0 46.1	1.704	2.665	6.3	20.4
3 2	10 55.61	+ 0 4.8	1.691	2.677	2.7	20.2
3 12	10 46.05	+ 1 2.8	1.706	2.688	4.0	20.3
3 22	10 37.49	+ 2 1.0	1.750	2.699	8.0	20.5
4 1	10 30.79	+ 2 53.2	1.819	2.708	11.8	20.8
4 11	10 26.47	+ 3 34.7	1.911	2.718	15.0	21.0

82634 2001 OA_{111} 3 2.7 206°.21 2°.2/29.0 17

2 1	11 13.69	+11 1.7	2.437	3.299	9.7	19.7
2 11	11 8.85	+12 11.8	2.365	3.296	6.7	19.5
2 21	11 2.57	+13 27.5	2.320	3.293	3.6	19.3
3 2	10 55.44	+14 42.8	2.305	3.290	2.3	19.2
3 12	10 48.18	+15 51.5	2.320	3.287	4.8	19.3
3 22	10 41.56	+16 48.8	2.364	3.283	7.9	19.5
4 1	10 36.21	+17 31.3	2.434	3.279	10.8	19.7
4 11	10 32.60	+17 57.7	2.526	3.275	13.3	19.9

333996 2000 SO_{347} 3 2.7 244°.51 6°.6/ 8.5 18

2 1	11 20.56	−13 49.9	2.360	3.111	13.5	21.0
2 11	11 13.96	−14 31.6	2.253	3.093	11.3	20.8
2 21	11 5.46	−14 54.6	2.170	3.074	8.9	20.6
3 2	10 55.65	−14 57.3	2.114	3.054	7.0	20.5
3 12	10 45.42	−14 40.4	2.086	3.034	6.7	20.4
3 22	10 35.71	−14 7.3	2.086	3.013	8.3	20.5
4 1	10 27.39	−13 23.2	2.113	2.992	10.9	20.6
4 11	10 21.15	−12 34.8	2.164	2.970	13.5	20.7

352637 2008 GW_{108} 3 2.7 249°.68 6°.1/22.9 17

2 1	11 14.60	+27 37.6	2.693	3.555	8.8	20.8
2 11	11 9.49	+28 57.3	2.636	3.548	7.1	20.7
2 21	11 2.91	+30 10.4	2.607	3.541	6.1	20.6
3 2	10 55.46	+31 10.6	2.605	3.534	6.5	20.6
3 12	10 47.92	+31 52.9	2.632	3.527	8.1	20.7
3 22	10 41.04	+32 15.0	2.684	3.519	10.1	20.8
4 1	10 35.47	+32 16.6	2.759	3.512	12.1	21.0
4 11	10 31.68	+31 59.3	2.852	3.504	13.8	21.1

122562 2000 RB_{3} 3 2.7 104°.89 3°.2/29.2 18

2 1	11 21.89	+15 21.2	1.908	2.772	11.8	19.4
2 11	11 14.78	+15 47.6	1.852	2.782	8.3	19.2
2 21	11 5.74	+16 14.1	1.821	2.792	4.8	19.0
3 2	10 55.66	+16 34.9	1.819	2.801	3.3	19.0
3 12	10 45.65	+16 44.8	1.846	2.811	6.0	19.1
3 22	10 36.73	+16 41.0	1.901	2.820	9.5	19.4
4 1	10 29.74	+16 22.7	1.981	2.830	12.8	19.6
4 11	10 25.14	+15 50.9	2.081	2.839	15.5	19.8

186535 2002 VM_{101} 3 2.8 100°.74 2°.4/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.70	+10 39.1	1.802	2.667	12.4	20.7
2 11	11 12.58	+11 41.3	1.753	2.685	8.5	20.6
2 21	11 4.58	+12 49.2	1.729	2.703	4.5	20.3
3 2	10 55.58	+13 55.2	1.734	2.721	2.5	20.2
3 12	10 46.66	+14 52.0	1.768	2.738	5.6	20.5
3 22	10 38.80	+15 34.4	1.829	2.755	9.4	20.7
4 1	10 32.81	+15 59.5	1.915	2.771	12.8	21.0
4 11	10 29.16	+16 7.0	2.021	2.787	15.6	21.2

345091 2005 MG_{19} 3 2.8 311°.77 2°.9/ 5.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.37	− 4 0.6	2.046	2.869	12.8	21.3
2 11	11 8.89	− 3 41.2	1.959	2.860	9.7	21.1
2 21	11 2.71	− 3 4.2	1.896	2.851	6.3	20.9
3 2	10 55.46	− 2 12.2	1.861	2.843	3.3	20.6
3 12	10 48.02	− 1 10.1	1.853	2.835	3.9	20.7
3 22	10 41.24	− 0 4.2	1.874	2.826	7.3	20.9
4 1	10 35.93	+ 0 58.9	1.921	2.819	10.8	21.0
4 11	10 32.63	+ 1 53.6	1.990	2.811	14.0	21.2

243443 2009 FD_{18} 3 2.8 39°.43 0°.2/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.03	+ 2 7.8	2.138	2.985	11.4	20.4
2 11	11 7.80	+ 3 17.9	2.067	2.989	8.1	20.2
2 21	11 2.05	+ 4 41.5	2.023	2.993	4.4	20.0
3 2	10 55.41	+ 6 13.0	2.007	2.998	0.4	19.7
3 12	10 48.69	+ 7 45.0	2.021	3.003	3.6	20.0
3 22	10 42.68	+ 9 10.6	2.064	3.007	7.4	20.2
4 1	10 38.05	+10 24.0	2.134	3.013	10.8	20.4
4 11	10 35.26	+11 21.6	2.226	3.018	13.6	20.6

73014 2002 EU_{52} 3 2.8 277°.23 0°.7/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.77	+ 4 8.1	1.555	2.416	14.2	20.2
2 11	11 11.12	+ 5 20.3	1.468	2.398	10.1	19.9
2 21	11 4.13	+ 6 51.2	1.406	2.380	5.4	19.6
3 2	10 55.57	+ 8 33.3	1.370	2.361	0.7	19.2
3 12	10 46.61	+10 16.2	1.363	2.343	5.3	19.5
3 22	10 38.48	+11 49.3	1.382	2.324	10.4	19.7
4 1	10 32.30	+13 4.5	1.425	2.305	15.0	19.9
4 11	10 28.83	+13 57.1	1.488	2.286	18.9	20.1

240068 2001 XM_{263} 3 2.8 224°.94 3°.2/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.73	− 6 32.9	2.569	3.368	11.2	20.8
2 11	11 8.85	− 6 19.2	2.478	3.362	8.7	20.6
2 21	11 2.58	− 5 49.9	2.413	3.356	6.0	20.4
3 2	10 55.46	− 5 6.8	2.375	3.350	3.6	20.2
3 12	10 48.19	− 4 13.5	2.367	3.343	3.8	20.2
3 22	10 41.46	− 3 14.8	2.388	3.336	6.2	20.4
4 1	10 35.91	− 2 15.9	2.437	3.329	9.0	20.6
4 11	10 32.02	− 1 21.6	2.510	3.322	11.7	20.7

122585 2000 RZ_{25} 3 2.8 107°.11 4°.2/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.69	− 7 24.7	1.963	2.767	14.0	20.1
2 11	11 11.17	− 7 19.6	1.892	2.778	10.9	19.9
2 21	11 3.88	− 6 54.6	1.845	2.788	7.5	19.7
3 2	10 55.56	− 6 11.6	1.824	2.798	4.7	19.5
3 12	10 47.16	− 5 15.4	1.832	2.808	4.8	19.6
3 22	10 39.61	− 4 12.3	1.868	2.817	7.5	19.7
4 1	10 33.70	− 3 9.2	1.930	2.827	10.8	20.0
4 11	10 29.95	− 2 12.2	2.014	2.836	13.8	20.2

500965 2013 QE_{57} 3 2.8 197°.35 1°.8/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.09	+10 40.4	2.265	3.122	10.5	22.9
2 11	11 12.03	+11 25.0	2.190	3.119	7.3	22.7
2 21	11 4.30	+12 14.7	2.142	3.116	3.9	22.5
3 2	10 55.59	+13 4.3	2.124	3.112	1.9	22.3
3 12	10 46.76	+13 48.0	2.136	3.107	4.7	22.5
3 22	10 38.67	+14 21.6	2.177	3.102	8.2	22.7
4 1	10 32.05	+14 42.1	2.243	3.096	11.3	22.9
4 11	10 27.43	+14 48.5	2.332	3.090	14.0	23.1

182646 2001 UH_{165} 3 2.8 107°.18 4°.0/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.30	+18 2.7	2.339	3.208	9.7	20.4
2 11	11 9.97	+19 11.7	2.287	3.217	6.9	20.2
2 21	11 3.15	+20 19.8	2.262	3.227	4.6	20.1
3 2	10 55.51	+21 20.5	2.266	3.236	4.3	20.1
3 12	10 47.85	+22 8.1	2.300	3.246	6.4	20.3
3 22	10 40.98	+22 39.4	2.360	3.255	9.1	20.4
4 1	10 35.54	+22 53.0	2.446	3.263	11.7	20.6
4 11	10 31.97	+22 49.4	2.551	3.272	13.8	20.8

221151 2005 TF_{62} 3 2.8 217°.80 0°.1/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.73	+ 4 1.0	2.120	2.965	11.6	22.2
2 11	11 11.20	+ 4 42.7	2.037	2.958	8.3	22.0
2 21	11 3.92	+ 5 36.1	1.980	2.951	4.5	21.7
3 2	10 55.57	+ 6 36.2	1.952	2.943	0.4	21.4
3 12	10 47.03	+ 7 37.2	1.954	2.934	3.8	21.6
3 22	10 39.19	+ 8 32.9	1.984	2.925	7.8	21.9
4 1	10 32.86	+ 9 18.7	2.041	2.916	11.4	22.1
4 11	10 28.57	+ 9 51.4	2.120	2.906	14.4	22.3

209085 2003 SS_{26} 3 2.8 176°.73 0°.8/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.04	+ 7 4.7	1.968	2.819	12.1	21.3
2 11	11 13.55	+ 7 43.0	1.897	2.822	8.5	21.1
2 21	11 5.18	+ 8 30.0	1.851	2.824	4.4	20.9
3 2	10 55.67	+ 9 20.4	1.834	2.825	0.8	20.6
3 12	10 46.06	+10 7.9	1.847	2.825	4.4	20.9
3 22	10 37.34	+10 47.1	1.889	2.825	8.5	21.1
4 1	10 30.35	+11 14.2	1.957	2.824	12.1	21.3
4 11	10 25.64	+11 27.4	2.046	2.823	15.1	21.5

212780 2007 TQ_{158} 3 2.8 183°.59 1°.0/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.18	+ 1 50.8	1.837	2.678	13.3	21.4
2 11	11 13.08	+ 2 19.7	1.761	2.678	9.6	21.2
2 21	11 4.98	+ 3 2.7	1.711	2.679	5.4	20.9
3 2	10 55.66	+ 3 55.5	1.688	2.678	1.3	20.7
3 12	10 46.19	+ 4 51.7	1.695	2.677	4.0	20.8
3 22	10 37.61	+ 5 44.7	1.729	2.676	8.3	21.1
4 1	10 30.82	+ 6 29.0	1.790	2.673	12.2	21.3
4 11	10 26.41	+ 7 0.6	1.872	2.671	15.5	21.5

370788 2004 TM_{27} 3 2.8 155°.90 1°.3/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.98	+ 8 54.3	2.019	2.877	11.5	21.2
2 11	11 12.06	+ 9 27.4	1.951	2.880	8.1	21.0
2 21	11 4.35	+10 7.1	1.909	2.882	4.2	20.8
3 2	10 55.62	+10 48.3	1.895	2.885	1.3	20.6
3 12	10 46.81	+11 25.2	1.911	2.887	4.5	20.8
3 22	10 38.86	+11 53.2	1.955	2.889	8.4	21.0
4 1	10 32.56	+12 9.2	2.024	2.891	11.8	21.3
4 11	10 28.41	+12 11.8	2.115	2.893	14.7	21.5

361640 2007 TH_{244} 3 2.8 214°.15 1°.9/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.07	− 0 39.9	2.073	2.897	12.6	21.6
2 11	11 13.64	− 0 23.2	1.982	2.889	9.4	21.4
2 21	11 5.28	+ 0 8.0	1.918	2.879	5.7	21.2
3 2	10 55.70	+ 0 50.9	1.881	2.868	2.2	20.9
3 12	10 45.85	+ 1 40.5	1.875	2.857	3.8	21.0
3 22	10 36.72	+ 2 31.0	1.898	2.845	7.7	21.2
4 1	10 29.19	+ 3 16.9	1.948	2.832	11.4	21.4
4 11	10 23.88	+ 3 53.8	2.021	2.818	14.6	21.6

112382 2002 NV_{27} 3 2.8 181°.71 0°.9/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.01	+ 2 58.4	2.378	3.212	10.9	19.8
2 11	11 11.89	+ 3 3.4	2.299	3.213	7.8	19.6
2 21	11 4.21	+ 3 17.5	2.246	3.213	4.4	19.4
3 2	10 55.61	+ 3 37.9	2.223	3.213	1.1	19.1
3 12	10 46.91	+ 4 1.0	2.231	3.213	3.2	19.3
3 22	10 38.91	+ 4 22.8	2.267	3.212	6.7	19.5
4 1	10 32.29	+ 4 40.0	2.331	3.211	9.9	19.7
4 11	10 27.55	+ 4 49.9	2.419	3.210	12.7	19.9

467661 2008 TZ_{167} 3 2.8 137°.95 0°.2/ 3.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.66	+ 3 43.9	2.180	3.025	11.3	22.1
2 11	11 10.31	+ 4 20.6	2.110	3.031	8.0	21.9
2 21	11 3.39	+ 5 7.9	2.066	3.036	4.4	21.7
3 2	10 55.55	+ 6 1.4	2.050	3.041	0.5	21.4
3 12	10 47.65	+ 6 55.4	2.065	3.046	3.5	21.6
3 22	10 40.49	+ 7 44.6	2.108	3.051	7.3	21.9
4 1	10 34.79	+ 8 24.8	2.178	3.056	10.6	22.1
4 11	10 31.02	+ 8 53.2	2.270	3.060	13.4	22.3

301677 2010 FC_{30} 3 2.8 341°.18 2°.7/ 1.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.57	+10 50.6	1.224	2.105	15.8	20.9
2 11	11 14.11	+11 27.9	1.161	2.100	11.1	20.6
2 21	11 5.80	+12 13.7	1.120	2.095	6.0	20.3
3 2	10 55.73	+12 59.3	1.103	2.092	2.8	20.1
3 12	10 45.48	+13 35.2	1.112	2.088	7.0	20.3
3 22	10 36.59	+13 54.7	1.146	2.086	12.3	20.6
4 1	10 30.31	+13 54.2	1.200	2.083	17.0	20.9
4 11	10 27.32	+13 33.6	1.272	2.082	20.9	21.1

405215 2003 QH_{48} 3 2.8 151°.55 2°.4/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.91	− 1 44.7	1.887	2.713	13.6	21.4
2 11	11 13.50	− 1 32.8	1.816	2.721	10.1	21.2
2 21	11 5.16	− 1 4.8	1.769	2.728	6.2	21.0
3 2	10 55.68	− 0 23.8	1.749	2.735	2.8	20.8
3 12	10 46.11	+ 0 24.9	1.759	2.741	4.0	20.9
3 22	10 37.46	+ 1 14.9	1.798	2.746	7.9	21.1
4 1	10 30.59	+ 2 0.6	1.862	2.751	11.6	21.4
4 11	10 26.05	+ 2 37.2	1.949	2.756	14.7	21.6

341626 2007 VT_{2} 3 2.8 133°.57 1°.5/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.62	+10 6.2	2.541	3.397	9.5	21.4
2 11	11 10.08	+10 47.9	2.478	3.406	6.6	21.2
2 21	11 3.19	+11 34.0	2.442	3.416	3.5	21.0
3 2	10 55.54	+12 20.1	2.436	3.425	1.5	20.9
3 12	10 47.87	+13 1.2	2.461	3.433	4.0	21.1
3 22	10 40.89	+13 33.8	2.515	3.442	7.1	21.3
4 1	10 35.20	+13 55.4	2.595	3.450	9.9	21.5
4 11	10 31.21	+14 4.7	2.698	3.458	12.3	21.7

329392 2001 YJ_{11} 3 2.8 70.°89 1.°8/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.87	+ 8 42.8	1.708	2.571	13.0	20.7
2 11	11 12.65	+ 9 48.4	1.671	2.603	8.9	20.5
2 21	11 4.59	+11 0.8	1.660	2.635	4.6	20.3
3 2	10 55.64	+12 12.4	1.678	2.666	1.9	20.2
3 12	10 46.89	+13 15.2	1.724	2.698	5.3	20.5
3 22	10 39.34	+14 3.8	1.798	2.729	9.2	20.8
4 1	10 33.74	+14 35.3	1.896	2.759	12.6	21.0
4 11	10 30.48	+14 49.1	2.014	2.789	15.4	21.3

157772 2007 EK_{130} 3 2.8 257.°49 0.°4/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.73	+ 3 1.8	1.498	2.354	15.0	21.1
2 11	11 13.28	+ 3 42.6	1.415	2.340	10.8	20.8
2 21	11 5.33	+ 4 41.1	1.355	2.326	5.9	20.5
3 2	10 55.72	+ 5 51.5	1.321	2.312	0.7	20.0
3 12	10 45.71	+ 7 5.0	1.315	2.297	4.9	20.3
3 22	10 36.63	+ 8 12.5	1.335	2.282	10.2	20.6
4 1	10 29.68	+ 9 6.7	1.379	2.266	14.9	20.8
4 11	10 25.60	+ 9 42.9	1.442	2.251	18.9	21.0

212931 2008 BZ_{10} 3 2.8 328.°49 0.°0/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.45	+ 4 46.3	1.949	2.806	12.0	20.1
2 11	11 9.03	+ 5 17.8	1.866	2.793	8.5	19.9
2 21	11 2.83	+ 6 0.8	1.809	2.781	4.6	19.6
3 2	10 55.53	+ 6 50.5	1.778	2.769	0.3	19.2
3 12	10 48.03	+ 7 40.9	1.776	2.758	4.0	19.5
3 22	10 41.24	+ 8 26.3	1.802	2.747	8.1	19.7
4 1	10 35.98	+ 9 1.8	1.853	2.737	11.9	19.9
4 11	10 32.82	+ 9 24.1	1.925	2.728	15.0	20.1

91282 1999 FL_{1} 3 2.8 301.°75 0.°3/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.29	+ 5 33.3	1.655	2.510	13.8	19.7
2 11	11 14.45	+ 5 36.5	1.550	2.475	10.0	19.4
2 21	11 6.04	+ 5 50.4	1.468	2.440	5.5	19.0
3 2	10 55.80	+ 6 11.4	1.414	2.405	0.6	18.6
3 12	10 44.88	+ 6 33.9	1.388	2.370	4.8	18.8
3 22	10 34.62	+ 6 52.4	1.388	2.334	10.0	19.0
4 1	10 26.26	+ 7 1.8	1.413	2.299	14.7	19.2
4 11	10 20.71	+ 6 58.9	1.458	2.264	18.9	19.4

109685 2001 RZ_{30} 3 2.8 272.°98 0.°5/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.36	+ 6 37.8	2.175	3.029	11.0	19.8
2 11	11 10.16	+ 7 10.2	2.101	3.027	7.7	19.6
2 21	11 3.35	+ 7 50.9	2.052	3.025	4.1	19.3
3 2	10 55.58	+ 8 35.3	2.033	3.024	0.5	19.0
3 12	10 47.71	+ 9 18.1	2.042	3.022	3.9	19.3
3 22	10 40.56	+ 9 54.6	2.081	3.020	7.6	19.5
4 1	10 34.85	+10 21.0	2.145	3.018	10.9	19.7
4 11	10 31.09	+10 35.3	2.231	3.016	13.8	19.9

495365 2014 OQ_{182} 3 2.8 135.°08 4.°2/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.95	+15 37.4	1.786	2.656	12.2	21.5
2 11	11 13.59	+16 51.1	1.734	2.666	8.6	21.3
2 21	11 5.22	+18 6.2	1.707	2.676	5.2	21.1
3 2	10 55.72	+19 14.1	1.709	2.686	4.4	21.1
3 12	10 46.22	+20 7.1	1.739	2.695	7.2	21.3
3 22	10 37.81	+20 40.6	1.796	2.704	10.7	21.5
4 1	10 31.36	+20 53.0	1.876	2.712	14.0	21.7
4 11	10 27.38	+20 45.4	1.976	2.719	16.7	21.9

209424 2004 FP_{45} 3 2.8 0.°68 9.°6/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.72	+35 6.7	1.891	2.731	13.0	19.6
2 11	11 20.46	+35 34.2	1.841	2.730	11.0	19.5
2 21	11 8.80	+35 42.9	1.815	2.729	9.7	19.4
3 2	10 55.97	+35 25.1	1.815	2.729	9.9	19.4
3 12	10 43.43	+34 37.2	1.843	2.730	11.4	19.5
3 22	10 32.52	+33 21.2	1.895	2.731	13.7	19.7
4 1	10 24.17	+31 41.8	1.969	2.732	16.0	19.8
4 11	10 18.84	+29 45.8	2.063	2.734	18.0	20.0

182698 2001 VV_{97} 3 2.8 154.°13 4.°4/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.05	−12 20.4	2.609	3.371	12.1	20.7
2 11	11 10.42	−11 54.2	2.528	3.382	9.7	20.6
2 21	11 3.40	−11 8.4	2.471	3.391	7.1	20.4
3 2	10 55.59	−10 5.0	2.442	3.401	5.0	20.3
3 12	10 47.71	− 8 47.8	2.443	3.409	4.6	20.3
3 22	10 40.47	− 7 22.7	2.474	3.416	6.4	20.4
4 1	10 34.49	− 5 55.9	2.533	3.423	8.8	20.6
4 11	10 30.21	− 4 33.5	2.618	3.429	11.3	20.8

426570 2013 SK_{11} 3 2.8 169.°92 1.°5/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.21	+10 15.3	2.292	3.145	10.5	22.2
2 11	11 12.76	+10 45.4	2.222	3.149	7.3	22.0
2 21	11 4.69	+11 20.1	2.179	3.152	3.9	21.7
3 2	10 55.68	+11 54.7	2.166	3.154	1.5	21.6
3 12	10 46.62	+12 24.3	2.183	3.157	4.3	21.8
3 22	10 38.34	+12 45.2	2.229	3.158	7.8	22.0
4 1	10 31.57	+12 55.0	2.302	3.159	10.9	22.2
4 11	10 26.78	+12 52.8	2.397	3.160	13.6	22.4

388261 2006 QA_{16} 3 2.8 133.°88 1.°2/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.94	+ 1 42.0	2.445	3.277	10.7	21.0
2 11	11 11.07	+ 1 48.0	2.372	3.283	7.8	20.8
2 21	11 3.76	+ 2 3.8	2.325	3.290	4.5	20.6
3 2	10 55.62	+ 2 26.7	2.307	3.296	1.5	20.4
3 12	10 47.41	+ 2 53.1	2.320	3.302	3.1	20.5
3 22	10 39.89	+ 3 19.0	2.361	3.307	6.4	20.8
4 1	10 33.71	+ 3 41.0	2.431	3.313	9.5	21.0
4 11	10 29.32	+ 3 56.2	2.523	3.318	12.1	21.1

52337 Compton 3 2.8 161.°56 0.°7/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.66	+ 6 21.5	2.047	2.895	11.8	19.9
2 11	11 13.21	+ 7 5.9	1.978	2.902	8.3	19.7
2 21	11 4.98	+ 7 59.4	1.937	2.909	4.3	19.4
3 2	10 55.70	+ 8 56.7	1.924	2.915	0.7	19.2
3 12	10 46.37	+ 9 51.3	1.942	2.920	4.2	19.4
3 22	10 37.90	+10 37.9	1.988	2.924	8.1	19.7
4 1	10 31.10	+11 12.4	2.061	2.927	11.6	19.9
4 11	10 26.47	+11 33.0	2.155	2.930	14.5	20.1

335603 2006 EY_{23} 3 2.8 165.°06 0.°1/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.50	+ 5 3.0	1.990	2.840	12.0	21.1
2 11	11 11.77	+ 5 22.9	1.917	2.841	8.6	20.9
2 21	11 4.24	+ 5 52.7	1.870	2.841	4.6	20.6
3 2	10 55.65	+ 6 27.9	1.851	2.842	0.4	20.3
3 12	10 46.96	+ 7 3.4	1.861	2.842	3.9	20.6
3 22	10 39.09	+ 7 34.3	1.899	2.843	7.9	20.8
4 1	10 32.85	+ 7 56.5	1.963	2.843	11.5	21.0
4 11	10 28.78	+ 8 7.6	2.049	2.843	14.5	21.2

256202 2006 VV_{94} 3 2.8 43.°42 2.°6/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.01	− 0 42.7	1.399	2.247	16.2	19.8
2 11	11 12.49	− 0 38.0	1.348	2.265	11.9	19.5
2 21	11 4.71	− 0 14.5	1.319	2.284	7.2	19.3
3 2	10 55.68	+ 0 23.9	1.316	2.303	3.0	19.1
3 12	10 46.73	+ 1 9.9	1.339	2.322	4.6	19.3
3 22	10 39.06	+ 1 56.2	1.387	2.342	9.1	19.6
4 1	10 33.62	+ 2 35.8	1.460	2.362	13.3	19.9
4 11	10 30.90	+ 3 4.0	1.553	2.383	16.8	20.1

435666 2008 SE_{291} 3 2.8 344.°75 8.°7/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 10.91	−18 58.3	0.967	1.774	24.9	20.6
2 11	11 8.52	−17 50.3	0.894	1.770	20.8	20.3
2 21	11 3.07	−15 39.1	0.837	1.767	15.8	20.0
3 2	10 55.59	−12 23.9	0.799	1.764	10.9	19.7
3 12	10 47.74	− 8 18.6	0.785	1.762	8.7	19.6
3 22	10 41.26	− 3 50.3	0.795	1.761	11.9	19.7
4 1	10 37.61	+ 0 29.3	0.828	1.760	17.3	20.0
4 11	10 37.58	+ 4 14.7	0.882	1.759	22.4	20.3

116819 2004 FM 3 2.8 99.°48 8.°3/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.49	−19 39.8	1.161	1.940	23.2	18.7
2 11	11 11.99	−18 26.5	1.094	1.952	19.2	18.4
2 21	11 4.69	−16 19.7	1.045	1.964	14.6	18.2
3 2	10 55.70	−13 21.8	1.017	1.976	10.2	18.0
3 12	10 46.62	− 9 46.2	1.015	1.987	8.3	17.9
3 22	10 38.99	− 5 55.4	1.040	1.998	10.9	18.1
4 1	10 34.01	− 2 13.1	1.091	2.009	15.3	18.3
4 11	10 32.29	+ 1 1.8	1.164	2.020	19.6	18.6

271182 2003 SA_{285} 3 2.8 262.°39 0.°4/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.30	+ 4 23.6	2.199	3.041	11.3	21.2
2 11	11 12.37	+ 4 38.2	2.102	3.021	8.2	21.0
2 21	11 4.63	+ 5 2.4	2.031	3.001	4.5	20.7
3 2	10 55.70	+ 5 32.8	1.990	2.980	0.6	20.4
3 12	10 46.48	+ 6 5.0	1.978	2.960	3.7	20.6
3 22	10 37.87	+ 6 34.3	1.995	2.938	7.6	20.8
4 1	10 30.72	+ 6 56.7	2.039	2.916	11.3	21.0
4 11	10 25.62	+ 7 9.2	2.105	2.894	14.4	21.1

375994 2009 XH_{20} 3 2.8 145.°21 1.°3/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.74	+ 1 1.8	2.252	3.083	11.5	22.0
2 11	11 11.73	+ 1 22.6	2.181	3.092	8.4	21.8
2 21	11 4.15	+ 1 55.2	2.137	3.101	4.8	21.6
3 2	10 55.66	+ 2 36.0	2.121	3.109	1.5	21.4
3 12	10 47.12	+ 3 20.4	2.135	3.117	3.3	21.5
3 22	10 39.34	+ 4 3.4	2.179	3.124	6.9	21.8
4 1	10 33.03	+ 4 40.7	2.249	3.131	10.2	22.0
4 11	10 28.65	+ 5 8.9	2.343	3.137	12.9	22.2

326478 2002 BN_{2} 3 2.8 203.°33 1.°5/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.87	+ 8 8.0	2.027	2.886	11.4	21.1
2 11	11 10.65	+ 9 10.1	1.954	2.884	8.0	20.9
2 21	11 3.67	+10 21.1	1.907	2.882	4.1	20.7
3 2	10 55.63	+11 34.7	1.890	2.879	1.5	20.5
3 12	10 47.46	+12 43.6	1.901	2.875	4.8	20.7
3 22	10 40.05	+13 41.8	1.941	2.872	8.6	20.9
4 1	10 34.21	+14 25.1	2.006	2.868	12.1	21.1
4 11	10 30.47	+14 51.5	2.092	2.864	15.0	21.3

385103 2012 VP_{78} 3 2.8 159°.66 0°.6/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.27	+ 7 1.9	2.351	3.203	10.3	21.6
2 11	11 9.99	+ 7 33.4	2.279	3.204	7.3	21.4
2 21	11 3.23	+ 8 12.0	2.233	3.206	3.8	21.2
3 2	10 55.61	+ 8 53.5	2.216	3.207	0.6	21.0
3 12	10 47.91	+ 9 33.2	2.229	3.208	3.7	21.2
3 22	10 40.89	+10 6.8	2.271	3.208	7.2	21.4
4 1	10 35.22	+10 31.0	2.339	3.209	10.3	21.6
4 11	10 31.36	+10 43.8	2.430	3.210	12.9	21.8

81637 2000 HW_{78} 3 2.8 218°.60 6°.2/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.57	+21 16.9	1.916	2.789	11.3	19.5
2 11	11 12.04	+22 59.4	1.856	2.784	8.4	19.3
2 21	11 4.49	+24 39.8	1.822	2.779	6.4	19.2
3 2	10 55.71	+26 8.3	1.817	2.773	6.7	19.2
3 12	10 46.76	+27 16.5	1.839	2.767	9.1	19.3
3 22	10 38.71	+27 59.6	1.887	2.760	12.1	19.5
4 1	10 32.47	+28 16.6	1.957	2.754	14.9	19.7
4 11	10 28.62	+28 9.4	2.045	2.747	17.4	19.9

425261 2009 WW_{86} 3 2.8 19°.43 7°.0/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.02	−12 0.7	1.682	2.474	16.5	20.2
2 11	11 11.06	−12 30.7	1.609	2.478	13.5	20.0
2 21	11 4.02	−12 35.4	1.557	2.481	10.3	19.8
3 2	10 55.67	−12 14.4	1.529	2.486	7.6	19.6
3 12	10 47.15	−11 30.9	1.527	2.491	7.1	19.6
3 22	10 39.55	−10 31.5	1.551	2.496	9.2	19.8
4 1	10 33.82	− 9 24.7	1.599	2.502	12.3	19.9
4 11	10 30.57	− 8 18.9	1.668	2.508	15.4	20.2

206204 2002 UN_{37} 3 2.8 46°.16 5°.8/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.70	−12 40.3	1.881	2.665	15.3	19.7
2 11	11 9.14	−12 32.4	1.817	2.682	12.4	19.6
2 21	11 2.85	−11 59.5	1.774	2.699	9.2	19.4
3 2	10 55.59	−11 3.0	1.757	2.716	6.6	19.3
3 12	10 48.30	− 9 48.3	1.766	2.733	6.0	19.3
3 22	10 41.89	− 8 22.8	1.803	2.751	7.9	19.4
4 1	10 37.11	− 6 54.9	1.866	2.769	10.8	19.6
4 11	10 34.46	− 5 32.5	1.951	2.788	13.6	19.9

298880 2004 SE_{33} 3 2.8 126°.79 1°.2/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.63	+ 7 13.2	1.854	2.707	12.6	21.5
2 11	11 13.95	+ 8 11.4	1.799	2.726	8.8	21.2
2 21	11 5.38	+ 9 18.6	1.770	2.744	4.5	21.0
3 2	10 55.78	+10 27.8	1.771	2.761	1.2	20.8
3 12	10 46.23	+11 31.6	1.801	2.777	4.8	21.1
3 22	10 37.74	+12 24.1	1.860	2.793	8.8	21.4
4 1	10 31.11	+13 1.4	1.944	2.807	12.4	21.6
4 11	10 26.82	+13 22.3	2.049	2.821	15.3	21.9

190513 2000 JP_{25} 3 2.8 337°.73 3°.1/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.98	+12 25.4	1.286	2.163	15.4	19.7
2 11	11 15.73	+12 55.4	1.223	2.160	10.9	19.4
2 21	11 6.67	+13 30.7	1.183	2.157	6.0	19.1
3 2	10 55.89	+14 3.2	1.168	2.155	3.2	18.9
3 12	10 44.96	+14 24.4	1.179	2.153	7.1	19.1
3 22	10 35.42	+14 28.9	1.215	2.151	12.1	19.4
4 1	10 28.50	+14 14.7	1.272	2.149	16.7	19.7
4 11	10 24.85	+13 42.2	1.348	2.148	20.4	19.9

85996 1999 JO_{65} 3 2.8 254°.56 7°.9/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.18	+27 50.6	1.860	2.724	12.1	19.3
2 11	11 15.34	+28 57.5	1.803	2.717	9.6	19.1
2 21	11 6.25	+29 54.4	1.771	2.711	8.0	19.0
3 2	10 55.85	+30 32.3	1.765	2.704	8.4	19.0
3 12	10 45.40	+30 44.9	1.786	2.697	10.4	19.1
3 22	10 36.09	+30 30.4	1.832	2.690	13.1	19.2
4 1	10 28.92	+29 50.3	1.899	2.683	15.8	19.4
4 11	10 24.44	+28 48.8	1.983	2.676	18.1	19.6

64759 2001 XU_{167} 3 2.8 287°.88 2°.1/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.88	+11 12.5	2.282	3.146	10.1	19.4
2 11	11 9.14	+12 7.7	2.205	3.138	7.0	19.2
2 21	11 2.84	+13 8.3	2.156	3.130	3.8	19.0
3 2	10 55.61	+14 8.7	2.135	3.122	2.2	18.9
3 12	10 48.24	+15 2.8	2.144	3.113	4.9	19.0
3 22	10 41.52	+15 46.0	2.182	3.105	8.2	19.2
4 1	10 36.16	+16 15.1	2.244	3.097	11.3	19.4
4 11	10 32.65	+16 28.7	2.328	3.090	13.9	19.6

463203 2012 CO_{26} 3 2.8 245°.09 2°.8/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.26	− 1 29.7	1.874	2.701	13.7	21.6
2 11	11 14.00	− 1 36.8	1.784	2.689	10.3	21.4
2 21	11 5.61	− 1 28.7	1.718	2.676	6.5	21.1
3 2	10 55.83	− 1 7.4	1.679	2.663	3.1	20.9
3 12	10 45.72	− 0 36.8	1.669	2.650	4.3	20.9
3 22	10 36.37	− 0 2.4	1.687	2.636	8.3	21.1
4 1	10 28.77	+ 0 30.3	1.731	2.622	12.2	21.3
4 11	10 23.60	+ 0 56.3	1.797	2.608	15.7	21.5

430385 2014 VO_{11} 3 2.8 94°.00 4°.1/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.03	+14 41.6	1.811	2.684	11.9	21.0
2 11	11 11.51	+16 18.5	1.766	2.701	8.3	20.8
2 21	11 4.12	+17 57.6	1.747	2.718	5.0	20.6
3 2	10 55.71	+19 29.4	1.758	2.734	4.4	20.6
3 12	10 47.34	+20 45.7	1.797	2.751	7.2	20.8
3 22	10 40.00	+21 41.0	1.862	2.767	10.6	21.0
4 1	10 34.48	+22 13.3	1.951	2.783	13.7	21.3
4 11	10 31.26	+22 23.5	2.059	2.798	16.2	21.5

431909 2008 TH_{34} 3 2.8 91°.37 0°.3/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.85	+ 3 16.0	2.110	2.955	11.7	22.0
2 11	11 10.44	+ 3 58.6	2.052	2.972	8.3	21.8
2 21	11 3.48	+ 4 52.1	2.020	2.990	4.5	21.6
3 2	10 55.66	+ 5 51.7	2.016	3.007	0.5	21.3
3 12	10 47.87	+ 6 51.4	2.042	3.024	3.5	21.6
3 22	10 40.91	+ 7 45.5	2.097	3.041	7.3	21.9
4 1	10 35.46	+ 8 29.8	2.178	3.057	10.6	22.1
4 11	10 31.96	+ 9 1.4	2.282	3.073	13.3	22.3

465745 2009 VC_{88} 3 2.8 82°.10 4°.4/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.39	+17 47.8	1.873	2.743	11.7	21.2
2 11	11 13.09	+18 42.5	1.826	2.758	8.3	21.0
2 21	11 4.93	+19 35.6	1.806	2.773	5.3	20.8
3 2	10 55.78	+20 19.7	1.813	2.788	4.6	20.8
3 12	10 46.73	+20 48.8	1.849	2.802	7.1	21.0
3 22	10 38.76	+20 59.9	1.911	2.817	10.3	21.2
4 1	10 32.68	+20 52.3	1.997	2.831	13.3	21.4
4 11	10 28.93	+20 27.6	2.103	2.845	15.8	21.6

40281 1999 JY_{47} 3 2.8 299°.94 8°.8/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.51	+29 40.7	1.767	2.630	12.7	17.4
2 11	11 15.66	+30 50.5	1.716	2.627	10.3	17.2
2 21	11 6.44	+31 47.8	1.690	2.624	8.9	17.1
3 2	10 55.90	+32 23.1	1.690	2.621	9.3	17.1
3 12	10 45.37	+32 30.3	1.715	2.618	11.2	17.3
3 22	10 36.12	+32 8.2	1.764	2.615	13.9	17.4
4 1	10 29.15	+31 19.2	1.834	2.612	16.5	17.6
4 11	10 24.99	+30 8.3	1.921	2.609	18.7	17.8

238659 2005 EG_{114} 3 2.8 306°.28 0°.6/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.91	+ 6 44.7	2.029	2.885	11.6	21.1
2 11	11 10.68	+ 7 16.2	1.955	2.882	8.2	20.9
2 21	11 3.71	+ 7 56.5	1.905	2.879	4.3	20.7
3 2	10 55.70	+ 8 40.7	1.885	2.875	0.6	20.4
3 12	10 47.56	+ 9 23.2	1.893	2.872	4.1	20.6
3 22	10 40.20	+ 9 58.8	1.929	2.869	8.0	20.9
4 1	10 34.38	+10 23.8	1.991	2.866	11.6	21.1
4 11	10 30.65	+10 35.9	2.074	2.863	14.6	21.3

234351 2001 HX_{28} 3 2.8 296°.45 19°.1/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 35.06	+51 15.1	1.335	2.137	19.5	19.4
2 11	11 26.45	+53 19.4	1.300	2.118	19.1	19.3
2 21	11 12.91	+54 45.5	1.283	2.099	19.6	19.2
3 2	10 56.39	+55 17.2	1.283	2.081	20.8	19.3
3 12	10 39.93	+54 47.4	1.300	2.062	22.5	19.3
3 22	10 26.41	+53 19.5	1.330	2.043	24.4	19.4
4 1	10 17.59	+51 3.9	1.372	2.025	26.2	19.5
4 11	10 13.92	+48 13.5	1.425	2.007	27.9	19.6

291835 2006 LC_{5} 3 2.8 219°.16 1°.2/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.60	+ 7 34.8	2.036	2.890	11.7	21.8
2 11	11 12.66	+ 8 27.5	1.954	2.880	8.2	21.5
2 21	11 4.82	+ 9 29.8	1.897	2.870	4.3	21.3
3 2	10 55.79	+10 35.6	1.870	2.860	1.2	21.0
3 12	10 46.54	+11 38.2	1.873	2.848	4.6	21.2
3 22	10 38.02	+12 31.4	1.904	2.836	8.7	21.5
4 1	10 31.12	+13 10.8	1.961	2.823	12.3	21.7
4 11	10 26.42	+13 34.3	2.039	2.810	15.4	21.8

169353 2001 UL_{17} 3 2.8 57°.19 7°.6/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.84	+29 32.0	2.165	3.028	10.6	19.3
2 11	11 11.30	+30 57.6	2.128	3.037	8.7	19.1
2 21	11 3.99	+32 12.5	2.116	3.045	7.6	19.1
3 2	10 55.72	+33 9.0	2.132	3.054	8.2	19.1
3 12	10 47.49	+33 41.8	2.174	3.063	9.9	19.3
3 22	10 40.22	+33 49.4	2.240	3.072	12.0	19.4
4 1	10 34.68	+33 32.8	2.327	3.081	14.1	19.6
4 11	10 31.32	+32 55.4	2.431	3.090	15.8	19.7

352116 2007 DU_{98} 3 2.8 44°.02 0°.8/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.17	+ 6 26.4	1.201	2.074	16.6	21.1
2 11	11 14.48	+ 6 58.6	1.145	2.079	11.8	20.8
2 21	11 6.01	+ 7 44.8	1.110	2.085	6.2	20.5
3 2	10 55.89	+ 8 37.1	1.100	2.091	0.8	20.1
3 12	10 45.70	+ 9 26.1	1.115	2.097	5.8	20.5
3 22	10 36.96	+10 3.6	1.155	2.103	11.3	20.8
4 1	10 30.84	+10 24.5	1.217	2.109	16.1	21.1
4 11	10 27.96	+10 26.8	1.297	2.116	20.1	21.4

484590 2008 RU_{23} 3 2.8 118°.01 7°.9/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.04	−18 51.3	1.198	1.977	22.6	21.2
2 11	11 13.06	−17 37.1	1.131	1.990	18.6	20.9
2 21	11 5.29	−15 31.6	1.081	2.002	14.0	20.7
3 2	10 55.84	−12 37.4	1.054	2.014	9.6	20.5
3 12	10 46.29	− 9 7.9	1.053	2.025	8.0	20.4
3 22	10 38.19	− 5 24.7	1.079	2.036	10.7	20.6
4 1	10 32.72	− 1 50.5	1.131	2.046	15.2	20.9
4 11	10 30.51	+ 1 17.3	1.206	2.056	19.4	21.2

241241 2007 TR_{204} 3 2.8 115°.92 4°.8/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.85	+20 15.4	2.206	3.075	10.2	20.5
2 11	11 11.24	+21 14.9	2.148	3.077	7.4	20.3
2 21	11 3.96	+22 11.8	2.117	3.079	5.2	20.2
3 2	10 55.73	+22 59.4	2.115	3.080	5.0	20.2
3 12	10 47.48	+23 32.2	2.141	3.082	7.1	20.3
3 22	10 40.05	+23 47.0	2.193	3.083	9.9	20.5
4 1	10 34.20	+23 43.2	2.270	3.085	12.5	20.7
4 11	10 30.39	+23 21.9	2.366	3.086	14.8	20.8

470159 2006 UG_{125} 3 2.8 343°.34 3°.5/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.79	− 6 15.3	2.301	3.107	12.2	21.2
2 11	11 9.06	− 6 6.8	2.219	3.106	9.4	21.0
2 21	11 2.81	− 5 41.6	2.160	3.106	6.4	20.8
3 2	10 55.65	− 5 1.5	2.129	3.105	3.9	20.7
3 12	10 48.36	− 4 10.7	2.127	3.104	4.0	20.7
3 22	10 41.71	− 3 14.2	2.153	3.104	6.7	20.8
4 1	10 36.37	− 2 17.6	2.207	3.103	9.7	21.0
4 11	10 32.85	− 1 26.2	2.283	3.103	12.4	21.2

282936 2007 QA_{10} 3 2.8 97°.39 1°.1/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.27	+ 6 52.5	2.163	3.019	10.9	20.1
2 11	11 9.38	+ 7 55.5	2.100	3.028	7.6	19.9
2 21	11 2.96	+ 9 7.1	2.063	3.037	3.9	19.6
3 2	10 55.66	+10 21.5	2.056	3.046	1.1	19.4
3 12	10 48.32	+11 32.1	2.079	3.055	4.2	19.7
3 22	10 41.74	+12 33.2	2.130	3.064	7.8	19.9
4 1	10 36.59	+13 20.7	2.207	3.073	11.0	20.1
4 11	10 33.33	+13 52.7	2.306	3.081	13.7	20.3

279425 2010 KR_{118} 3 2.8 218°.64 2°.9/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.89	+12 55.7	2.056	2.917	11.2	21.3
2 11	11 13.57	+13 53.7	1.977	2.907	7.9	21.1
2 21	11 5.31	+14 56.3	1.925	2.897	4.4	20.8
3 2	10 55.85	+15 56.8	1.903	2.886	3.0	20.7
3 12	10 46.17	+16 48.3	1.910	2.874	5.8	20.9
3 22	10 37.28	+17 25.6	1.945	2.862	9.5	21.1
4 1	10 30.06	+17 45.9	2.005	2.848	12.9	21.2
4 11	10 25.09	+17 48.7	2.086	2.834	15.8	21.4

146811 2001 YD_{90} 3 2.8 240°.72 2°.8/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.74	+14 46.2	2.586	3.450	9.1	20.0
2 11	11 9.61	+15 38.5	2.511	3.442	6.4	19.8
2 21	11 3.07	+16 32.7	2.463	3.433	3.7	19.6
3 2	10 55.68	+17 23.8	2.445	3.425	2.9	19.5
3 12	10 48.17	+18 6.7	2.457	3.416	5.1	19.6
3 22	10 41.26	+18 37.7	2.497	3.407	8.0	19.8
4 1	10 35.59	+18 54.6	2.562	3.398	10.7	20.0
4 11	10 31.63	+18 57.0	2.650	3.388	13.0	20.1

288251 2003 YJ_{119} 3 2.8 92°.14 2°.8/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.73	+14 1.6	2.178	3.041	10.6	20.6
2 11	11 11.72	+14 50.8	2.129	3.060	7.3	20.4
2 21	11 4.15	+15 41.4	2.107	3.079	4.2	20.2
3 2	10 55.77	+16 27.8	2.115	3.097	3.0	20.2
3 12	10 47.45	+17 4.4	2.152	3.115	5.4	20.4
3 22	10 40.03	+17 27.8	2.216	3.133	8.5	20.6
4 1	10 34.19	+17 36.5	2.307	3.150	11.4	20.8
4 11	10 30.34	+17 30.4	2.418	3.167	13.8	21.0

83697 2001 TA_{72} 3 2.8 221°.12 0°.9/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.54	+ 1 54.9	2.430	3.266	10.6	19.8
2 11	11 9.52	+ 2 22.1	2.348	3.262	7.7	19.6
2 21	11 3.04	+ 3 0.2	2.292	3.259	4.3	19.4
3 2	10 55.69	+ 3 45.8	2.265	3.254	1.1	19.1
3 12	10 48.22	+ 4 34.2	2.268	3.250	3.1	19.3
3 22	10 41.35	+ 5 20.7	2.300	3.246	6.6	19.5
4 1	10 35.74	+ 6 1.2	2.359	3.241	9.7	19.7
4 11	10 31.87	+ 6 32.3	2.442	3.237	12.5	19.8

221125 2005 SM_{231} 3 2.8 154°.17 0°.8/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.01	+ 2 6.6	1.996	2.837	12.4	21.2
2 11	11 11.46	+ 2 40.2	1.924	2.842	8.9	21.0
2 21	11 4.14	+ 3 26.7	1.877	2.845	5.0	20.8
3 2	10 55.78	+ 4 21.7	1.859	2.849	1.0	20.5
3 12	10 47.33	+ 5 19.2	1.870	2.853	3.7	20.7
3 22	10 39.69	+ 6 13.1	1.910	2.856	7.7	20.9
4 1	10 33.65	+ 6 58.3	1.975	2.858	11.3	21.2
4 11	10 29.74	+ 7 31.3	2.063	2.861	14.3	21.4

175037 2004 FO_{58} 3 2.8 274°.40 0°.4/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 14.48	+ 6 1.0	2.247	3.099	10.7	20.4
2 11	11 9.58	+ 6 39.5	2.168	3.093	7.6	20.2
2 21	11 3.11	+ 7 27.0	2.115	3.087	4.0	19.9
3 2	10 55.71	+ 8 19.0	2.091	3.082	0.5	19.6
3 12	10 48.16	+ 9 9.9	2.096	3.076	3.8	19.9
3 22	10 41.27	+ 9 54.8	2.130	3.070	7.4	20.1
4 1	10 35.75	+10 29.6	2.190	3.064	10.7	20.3
4 11	10 32.10	+10 51.9	2.272	3.058	13.6	20.5

17148 1999 JJ_{105} 3 2.8 157°.01 1°.4/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.42	− 1 15.1	2.877	3.697	9.6	19.5
2 11	11 8.51	− 0 38.8	2.800	3.703	7.1	19.3
2 21	11 2.42	+ 0 8.9	2.749	3.709	4.2	19.1
3 2	10 55.65	+ 1 4.8	2.727	3.714	1.7	18.9
3 12	10 48.82	+ 2 4.8	2.737	3.719	2.7	19.0
3 22	10 42.52	+ 3 4.5	2.777	3.724	5.5	19.2
4 1	10 37.29	+ 3 59.7	2.845	3.728	8.2	19.4
4 11	10 33.51	+ 4 47.0	2.938	3.732	10.6	19.6

379327 2009 WJ_{67} 3 2.8 6°.41 3°.3/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.63	− 4 6.5	1.475	2.317	15.9	20.1
2 11	11 8.84	− 3 40.0	1.406	2.317	12.1	19.9
2 21	11 2.92	− 2 49.6	1.359	2.318	7.7	19.6
3 2	10 55.70	− 1 39.3	1.336	2.321	3.8	19.4
3 12	10 48.32	− 0 17.2	1.340	2.324	4.6	19.5
3 22	10 41.94	+ 1 7.4	1.370	2.328	8.8	19.7
4 1	10 37.50	+ 2 25.1	1.424	2.333	13.1	20.0
4 11	10 35.59	+ 3 28.8	1.498	2.338	16.8	20.2

284163 2005 YX_{75} 3 2.8 6°.74 0°.8/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.02	+ 7 0.4	1.761	2.622	12.8	21.0
2 11	11 11.66	+ 7 33.8	1.693	2.622	9.0	20.7
2 21	11 4.32	+ 8 16.9	1.649	2.622	4.7	20.5
3 2	10 55.80	+ 9 4.0	1.632	2.623	0.8	20.2
3 12	10 47.17	+ 9 48.5	1.644	2.623	4.6	20.5
3 22	10 39.47	+10 24.7	1.683	2.624	8.9	20.7
4 1	10 33.58	+10 48.3	1.746	2.625	12.8	21.0
4 11	10 30.04	+10 57.4	1.831	2.626	16.0	21.2

6542 Jacquescousteau 3 2.8 21°.39 2°.0/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.54	+ 9 31.8	1.156	2.037	16.5	16.7
2 11	11 14.10	+10 1.7	1.102	2.042	11.6	16.5
2 21	11 5.84	+10 41.2	1.070	2.047	6.1	16.2
3 2	10 55.92	+11 22.1	1.063	2.052	2.1	15.9
3 12	10 45.98	+11 55.2	1.080	2.059	6.6	16.2
3 22	10 37.54	+12 13.6	1.121	2.066	11.9	16.5
4 1	10 31.80	+12 14.0	1.184	2.074	16.6	16.8
4 11	10 29.33	+11 55.7	1.264	2.083	20.5	17.1

365879 2011 UC_{318} 3 2.8 80°.74 1°.2/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.35	+ 7 23.4	1.473	2.339	14.5	21.9
2 11	11 13.51	+ 8 7.3	1.416	2.348	10.2	21.7
2 21	11 5.36	+ 9 2.0	1.383	2.358	5.3	21.4
3 2	10 55.89	+10 0.1	1.376	2.367	1.2	21.1
3 12	10 46.40	+10 53.2	1.397	2.376	5.4	21.4
3 22	10 38.13	+11 34.6	1.444	2.385	10.1	21.7
4 1	10 32.06	+11 59.7	1.515	2.394	14.3	22.0
4 11	10 28.74	+12 7.2	1.604	2.403	17.7	22.3

340705 2006 SK_{36} 3 2.8 182°.86 6°.1/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.58	+28 2.9	2.570	3.423	9.5	20.7
2 11	11 13.70	+28 49.8	2.515	3.423	7.5	20.6
2 21	11 5.22	+29 28.2	2.487	3.423	6.2	20.5
3 2	10 55.87	+29 52.4	2.487	3.423	6.4	20.5
3 12	10 46.55	+29 58.3	2.516	3.423	8.0	20.6
3 22	10 38.09	+29 44.7	2.572	3.422	10.1	20.8
4 1	10 31.19	+29 12.6	2.651	3.421	12.2	20.9
4 11	10 26.30	+28 24.3	2.750	3.420	14.0	21.1

104151 2000 EK_{68} 3 2.8 311°.52 0°.8/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.80	+ 7 14.9	2.008	2.866	11.6	19.8
2 11	11 10.65	+ 7 48.5	1.933	2.861	8.2	19.6
2 21	11 3.74	+ 8 30.7	1.883	2.857	4.3	19.3
3 2	10 55.77	+ 9 16.3	1.862	2.853	0.8	19.1
3 12	10 47.66	+ 9 59.7	1.870	2.849	4.2	19.3
3 22	10 40.33	+10 35.6	1.905	2.845	8.2	19.5
4 1	10 34.56	+11 0.3	1.966	2.841	11.7	19.8
4 11	10 30.89	+11 11.5	2.048	2.837	14.7	19.9

383755 2007 VP_{169} 3 2.8 94°.84 4°.5/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.91	+19 43.9	2.287	3.156	9.9	21.3
2 11	11 10.51	+20 50.9	2.235	3.165	7.2	21.2
2 21	11 3.56	+21 55.6	2.211	3.173	5.0	21.0
3 2	10 55.75	+22 51.3	2.216	3.181	4.8	21.1
3 12	10 47.94	+23 32.6	2.249	3.190	6.9	21.2
3 22	10 40.94	+23 56.4	2.309	3.198	9.5	21.4
4 1	10 35.43	+24 1.7	2.394	3.206	12.0	21.6
4 11	10 31.85	+23 49.6	2.498	3.214	14.2	21.7

331072 2009 WY_{58} 3 2.8 204.°41 0.°3/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.53	+ 5 16.6	2.062	2.913	11.6	21.7
2 11	11 11.13	+ 5 58.9	1.986	2.910	8.2	21.5
2 21	11 3.99	+ 6 51.7	1.935	2.907	4.4	21.2
3 2	10 55.80	+ 7 50.0	1.913	2.904	0.4	20.9
3 12	10 47.46	+ 8 47.5	1.921	2.901	4.0	21.2
3 22	10 39.88	+ 9 38.4	1.957	2.897	7.9	21.4
4 1	10 33.83	+10 18.3	2.019	2.893	11.5	21.6
4 11	10 29.86	+10 44.5	2.103	2.889	14.5	21.8

288931 2004 SH_{32} 3 2.8 169.°06 0.°5/ 2.4 18

2 1	11 19.55	+ 5 6.6	1.910	2.759	12.5	21.9
2 11	11 13.32	+ 6 0.6	1.840	2.764	8.8	21.6
2 21	11 5.18	+ 7 6.2	1.796	2.768	4.7	21.4
3 2	10 55.90	+ 8 17.3	1.781	2.771	0.5	21.1
3 12	10 46.51	+ 9 26.6	1.795	2.774	4.3	21.4
3 22	10 38.01	+10 27.3	1.838	2.776	8.5	21.6
4 1	10 31.27	+11 14.7	1.907	2.777	12.3	21.9
4 11	10 26.82	+11 46.2	1.997	2.777	15.4	22.1

42677 1998 HY_{129} 3 2.8 292.°82 0.°2/ 3.0 18

2 1	11 17.21	+ 3 44.9	1.490	2.350	14.8	19.7
2 11	11 12.29	+ 4 19.7	1.405	2.333	10.7	19.5
2 21	11 4.91	+ 5 10.9	1.344	2.316	5.8	19.1
3 2	10 55.89	+ 6 13.2	1.308	2.299	0.6	18.7
3 12	10 46.47	+ 7 18.0	1.300	2.283	4.9	19.0
3 22	10 37.94	+ 8 17.0	1.318	2.266	10.1	19.2
4 1	10 31.49	+ 9 3.1	1.359	2.250	14.9	19.5
4 11	10 27.86	+ 9 31.8	1.419	2.234	18.9	19.7

425797 2011 CT_{103} 3 2.8 243.°90 1.°3/ 3.9 17

2 1	11 17.30	+ 1 36.9	1.969	2.809	12.6	21.5
2 11	11 11.77	+ 1 53.4	1.888	2.804	9.2	21.2
2 21	11 4.38	+ 2 23.0	1.831	2.798	5.3	21.0
3 2	10 55.85	+ 3 2.1	1.803	2.792	1.5	20.7
3 12	10 47.12	+ 3 45.5	1.803	2.786	3.7	20.9
3 22	10 39.15	+ 4 27.5	1.832	2.780	7.8	21.1
4 1	10 32.80	+ 5 3.3	1.886	2.773	11.5	21.3
4 11	10 28.64	+ 5 28.8	1.962	2.767	14.7	21.5

260671 2005 JT_{21} 3 2.8 270.°17 0.°4/ 3.2 17

2 1	11 17.48	+ 3 8.8	1.729	2.580	13.5	21.5
2 11	11 12.24	+ 3 46.7	1.638	2.561	9.8	21.3
2 21	11 4.79	+ 4 40.0	1.572	2.543	5.4	21.0
3 2	10 55.89	+ 5 43.7	1.533	2.524	0.7	20.6
3 12	10 46.60	+ 6 50.6	1.522	2.505	4.4	20.8
3 22	10 38.07	+ 7 52.9	1.539	2.485	9.2	21.0
4 1	10 31.34	+ 8 44.0	1.581	2.466	13.5	21.2
4 11	10 27.12	+ 9 19.8	1.643	2.446	17.2	21.4

157646 2005 YO_{5} 3 2.8 315.°74 2.°3/29.8 17

2 1	11 16.60	+10 33.5	1.705	2.575	12.7	20.3
2 11	11 11.50	+11 23.9	1.634	2.568	8.9	20.0
2 21	11 4.31	+12 21.8	1.588	2.562	4.7	19.8
3 2	10 55.85	+13 20.1	1.569	2.556	2.4	19.6
3 12	10 47.21	+14 11.0	1.577	2.550	5.8	19.8
3 22	10 39.49	+14 48.5	1.613	2.544	10.0	20.0
4 1	10 33.64	+15 8.9	1.672	2.539	13.8	20.2
4 11	10 30.24	+15 11.1	1.750	2.534	17.1	20.4

80806 2000 CM_{105} 3 2.8 106.°22 0.°1/ 1.4 08 C

2 1	10 57.35	+10 25.8	42.098	42.950	0.7	23.0
2 11	10 56.69	+10 30.2	42.025	42.952	0.5	23.0
2 21	10 55.96	+10 34.8	41.980	42.954	0.2	22.9
3 2	10 55.21	+10 39.5	41.966	42.955	0.1	22.9
3 12	10 54.45	+10 43.9	41.982	42.957	0.3	22.9
3 22	10 53.72	+10 48.1	42.028	42.958	0.5	23.0
4 1	10 53.05	+10 51.7	42.102	42.960	0.7	23.0
4 11	10 52.44	+10 54.8	42.202	42.962	0.9	23.0

368780 2005 WH_{149} 3 2.8 133.°61 5.°6/ 8.7 16

2 1	11 17.85	−12 14.4	2.207	2.976	13.8	21.4
2 11	11 11.96	−12 24.9	2.132	2.988	11.2	21.2
2 21	11 4.40	−12 14.7	2.080	2.998	8.4	21.1
3 2	10 55.85	−11 44.2	2.054	3.008	6.1	20.9
3 12	10 47.21	−10 56.7	2.056	3.018	5.7	20.9
3 22	10 39.33	− 9 57.5	2.087	3.028	7.5	21.0
4 1	10 32.96	− 8 53.3	2.145	3.037	10.1	21.2
4 11	10 28.61	− 7 50.6	2.226	3.045	12.7	21.4

241291 2007 UY_{44} 3 2.8 57.°04 0.°9/ 1.9 17

2 1	11 16.00	+ 7 36.5	2.035	2.893	11.5	21.0
2 11	11 10.68	+ 8 9.8	1.973	2.901	8.0	20.8
2 21	11 3.71	+ 8 50.6	1.936	2.909	4.2	20.5
3 2	10 55.80	+ 9 34.0	1.927	2.918	0.9	20.3
3 12	10 47.86	+10 14.3	1.948	2.926	4.2	20.6
3 22	10 40.76	+10 46.7	1.996	2.935	7.9	20.8
4 1	10 35.22	+11 8.0	2.070	2.943	11.3	21.0
4 11	10 31.73	+11 16.5	2.166	2.952	14.1	21.2

214878 2007 RM_{142} 3 2.8 199.°57 1.°7/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.09	+ 9 50.5	2.115	2.968	11.3	21.4
2 11	11 14.35	+10 32.9	2.037	2.964	7.9	21.2
2 21	11 5.73	+11 21.5	1.986	2.959	4.2	20.9
3 2	10 55.97	+12 10.8	1.964	2.953	1.7	20.7
3 12	10 46.05	+12 54.7	1.973	2.946	4.8	20.9
3 22	10 36.92	+13 28.3	2.011	2.938	8.6	21.1
4 1	10 29.44	+13 48.6	2.074	2.930	12.0	21.3
4 11	10 24.16	+13 54.4	2.160	2.920	14.9	21.5

467510 2007 DZ_{14} 3 2.8 96.°34 1.°0/ 3.4 16

2 1	11 25.81	+ 5 22.0	1.798	2.640	13.5	21.2
2 11	11 17.81	+ 4 52.2	1.726	2.644	9.7	20.9
2 21	11 7.61	+ 4 30.0	1.679	2.648	5.4	20.7
3 2	10 56.12	+ 4 13.1	1.662	2.652	1.2	20.4
3 12	10 44.54	+ 3 58.5	1.674	2.656	4.1	20.6
3 22	10 34.05	+ 3 43.3	1.715	2.660	8.5	20.9
4 1	10 25.62	+ 3 24.9	1.783	2.664	12.4	21.1
4 11	10 19.83	+ 3 1.2	1.872	2.667	15.7	21.3

77779 2001 QR_{21} 3 2.8 166.°04 0.°5/ 2.4 18

2 1	11 17.98	+ 7 32.5	2.308	3.157	10.6	18.9
2 11	11 11.96	+ 7 45.3	2.234	3.158	7.5	18.7
2 21	11 4.37	+ 8 4.3	2.187	3.159	3.9	18.5
3 2	10 55.87	+ 8 25.8	2.169	3.160	0.5	18.2
3 12	10 47.28	+ 8 45.6	2.181	3.161	3.7	18.4
3 22	10 39.43	+ 9 0.2	2.223	3.161	7.2	18.7
4 1	10 33.02	+ 9 6.8	2.291	3.162	10.4	18.9
4 11	10 28.53	+ 9 4.0	2.381	3.162	13.1	19.1

343986 2011 OZ_{8} 3 2.8 334.°87 3.°8/ 6.7 17

2 1	11 14.90	− 6 28.2	2.231	3.035	12.5	21.5
2 11	11 9.92	− 6 30.4	2.148	3.034	9.8	21.3
2 21	11 3.34	− 6 15.9	2.089	3.033	6.7	21.1
3 2	10 55.80	− 5 46.1	2.057	3.031	4.2	21.0
3 12	10 48.10	− 5 4.5	2.054	3.030	4.3	21.0
3 22	10 41.05	− 4 16.1	2.079	3.029	6.9	21.1
4 1	10 35.39	− 3 26.5	2.131	3.028	10.0	21.3
4 11	10 31.63	− 2 41.0	2.206	3.027	12.8	21.5

315417 2007 VZ_{237} 3 2.8 125.°78 0.°7/ 2.2 18

2 1	11 19.45	+ 5 55.4	1.775	2.629	13.1	21.5
2 11	11 13.29	+ 6 44.3	1.715	2.642	9.2	21.3
2 21	11 5.17	+ 7 44.0	1.681	2.654	4.8	21.1
3 2	10 55.94	+ 8 47.9	1.675	2.666	0.7	20.8
3 12	10 46.71	+ 9 48.8	1.698	2.677	4.6	21.1
3 22	10 38.50	+10 40.1	1.749	2.688	8.8	21.4
4 1	10 32.17	+11 17.6	1.825	2.699	12.6	21.6
4 11	10 28.23	+11 39.1	1.923	2.708	15.7	21.8

81854 2000 KC_{61} 3 2.8 251.°50 4.°8/26.9 18

2 1	11 18.15	+17 43.3	1.944	2.815	11.3	19.9
2 11	11 12.52	+19 1.4	1.869	2.801	8.2	19.7
2 21	11 4.87	+20 21.1	1.821	2.786	5.4	19.5
3 2	10 55.93	+21 33.7	1.801	2.772	5.1	19.4
3 12	10 46.75	+22 31.4	1.809	2.756	7.7	19.5
3 22	10 38.37	+23 8.9	1.844	2.741	11.1	19.7
4 1	10 31.74	+23 24.1	1.902	2.725	14.3	19.9
4 11	10 27.46	+23 17.6	1.979	2.709	17.1	20.0

457688 2009 DM_{130} 3 2.8 350.°12 0.°5/ 3.2 18

2 1	11 16.23	+ 3 35.3	1.247	2.117	16.4	21.0
2 11	11 11.77	+ 4 1.1	1.180	2.112	11.8	20.7
2 21	11 4.67	+ 4 44.6	1.135	2.108	6.5	20.4
3 2	10 55.92	+ 5 39.6	1.114	2.105	0.9	20.0
3 12	10 46.93	+ 6 37.1	1.118	2.102	5.2	20.3
3 22	10 39.14	+ 7 28.0	1.147	2.100	10.7	20.6
4 1	10 33.74	+ 8 5.2	1.197	2.099	15.6	20.9
4 11	10 31.40	+ 8 24.6	1.266	2.099	19.7	21.1

36681 2000 RQ_{1} 3 2.8 64.°79 2.°9/ 1.2 18

2 1	11 26.25	+13 25.7	1.366	2.235	15.2	18.0
2 11	11 18.46	+13 32.8	1.314	2.247	10.7	17.7
2 21	11 8.03	+13 41.8	1.286	2.260	5.8	17.5
3 2	10 56.17	+13 46.1	1.285	2.273	2.9	17.3
3 12	10 44.48	+13 39.9	1.311	2.285	6.5	17.6
3 22	10 34.38	+13 20.3	1.363	2.298	11.2	17.9
4 1	10 26.93	+12 46.8	1.439	2.311	15.4	18.2
4 11	10 22.66	+12 0.7	1.533	2.324	18.8	18.4

64295 Tangtisheng 3 2.8 63.°16 0.°3/ 3.1 18

2 1	11 18.43	+ 2 30.3	1.274	2.137	16.6	18.8
2 11	11 13.01	+ 3 24.2	1.227	2.156	11.8	18.5
2 21	11 5.15	+ 4 36.5	1.202	2.175	6.4	18.3
3 2	10 55.95	+ 5 58.6	1.203	2.194	0.7	17.9
3 12	10 46.86	+ 7 19.8	1.230	2.213	5.0	18.3
3 22	10 39.17	+ 8 30.6	1.283	2.233	10.2	18.6
4 1	10 33.87	+ 9 24.1	1.359	2.252	14.7	19.0
4 11	10 31.47	+ 9 57.3	1.454	2.272	18.3	19.2

522643 2016 GU_{261} 3 2.8 273°.19 2°.2/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.41	+10 36.7	1.963	2.828	11.5	22.0
2 11	11 11.24	+11 32.0	1.880	2.813	8.1	21.8
2 21	11 4.18	+12 34.7	1.823	2.797	4.3	21.5
3 2	10 55.89	+13 38.2	1.795	2.782	2.3	21.4
3 12	10 47.36	+14 35.5	1.795	2.766	5.4	21.5
3 22	10 39.55	+15 20.5	1.823	2.750	9.3	21.7
4 1	10 33.36	+15 49.6	1.875	2.734	12.9	21.9
4 11	10 29.38	+16 1.1	1.948	2.718	16.0	22.1

246950 1999 RY_{185} 3 2.8 189°.78 0°.4/ 2.5 18

2 1	11 19.60	+ 5 35.4	2.047	2.894	11.9	21.4
2 11	11 13.32	+ 6 14.0	1.970	2.893	8.4	21.2
2 21	11 5.20	+ 7 2.7	1.920	2.891	4.5	20.9
3 2	10 55.97	+ 7 56.3	1.898	2.889	0.4	20.6
3 12	10 46.58	+ 8 48.9	1.906	2.886	4.1	20.9
3 22	10 38.00	+ 9 34.7	1.943	2.882	8.1	21.1
4 1	10 31.05	+10 9.6	2.007	2.877	11.7	21.3
4 11	10 26.28	+10 31.0	2.092	2.872	14.7	21.5

368692 2005 SF_{75} 3 2.8 213°.72 0°.2/ 3.0 17

2 1	11 17.71	+ 4 0.1	2.198	3.040	11.4	22.7
2 11	11 11.94	+ 4 36.4	2.114	3.033	8.1	22.5
2 21	11 4.46	+ 5 23.7	2.055	3.025	4.4	22.3
3 2	10 55.92	+ 6 17.6	2.026	3.017	0.4	21.9
3 12	10 47.18	+ 7 12.4	2.027	3.008	3.7	22.2
3 22	10 39.12	+ 8 2.7	2.057	2.999	7.5	22.4
4 1	10 32.53	+ 8 43.9	2.114	2.989	11.0	22.6
4 11	10 27.94	+ 9 13.0	2.193	2.978	14.0	22.8

52826 1998 RK_{34} 3 2.8 115°.79 3°.4/29.5 18

2 1	11 23.20	+13 2.0	1.424	2.295	14.6	19.0
2 11	11 16.34	+13 47.1	1.369	2.303	10.2	18.8
2 21	11 6.94	+14 36.3	1.338	2.311	5.7	18.5
3 2	10 56.10	+15 21.2	1.334	2.319	3.5	18.4
3 12	10 45.28	+15 53.4	1.357	2.326	7.0	18.6
3 22	10 35.85	+16 8.0	1.405	2.334	11.5	18.9
4 1	10 28.87	+16 3.3	1.477	2.341	15.5	19.1
4 11	10 24.90	+15 40.1	1.567	2.347	18.9	19.4

383282 2006 DM_{175} 3 2.8 142°.19 0°.9/ 1.9 18

2 1	11 16.01	+ 6 55.9	2.199	3.052	10.9	21.3
2 11	11 10.64	+ 7 47.4	2.133	3.059	7.6	21.1
2 21	11 3.70	+ 8 47.2	2.093	3.066	4.0	20.9
3 2	10 55.85	+ 9 49.9	2.082	3.072	0.9	20.7
3 12	10 47.95	+10 49.5	2.101	3.078	4.1	20.9
3 22	10 40.80	+11 40.7	2.148	3.083	7.7	21.2
4 1	10 35.10	+12 19.7	2.222	3.089	10.9	21.4
4 11	10 31.32	+12 44.6	2.318	3.094	13.6	21.6

502810 2015 DW_{112} 3 2.8 133°.54 5°.1/25.5 17

2 1	11 16.77	+21 8.6	2.319	3.187	9.8	21.4
2 11	11 11.15	+22 37.2	2.272	3.198	7.3	21.2
2 21	11 3.96	+24 2.6	2.252	3.208	5.4	21.1
3 2	10 55.87	+25 17.2	2.261	3.218	5.5	21.2
3 12	10 47.77	+26 15.1	2.299	3.227	7.5	21.3
3 22	10 40.47	+26 52.9	2.364	3.237	10.0	21.5
4 1	10 34.67	+27 9.7	2.453	3.245	12.4	21.6
4 11	10 30.84	+27 7.1	2.561	3.254	14.4	21.8

503164 2015 GM_{37} 3 2.8 144°.33 4°.0/27.1 18

2 1	11 16.52	+19 9.9	2.505	3.370	9.3	21.0
2 11	11 10.87	+20 3.7	2.447	3.375	6.7	20.8
2 21	11 3.77	+20 55.6	2.416	3.379	4.5	20.7
3 2	10 55.86	+21 40.0	2.415	3.384	4.2	20.6
3 12	10 47.93	+22 12.2	2.443	3.388	6.1	20.8
3 22	10 40.73	+22 29.4	2.499	3.392	8.7	20.9
4 1	10 34.90	+22 30.5	2.580	3.396	11.2	21.1
4 11	10 30.88	+22 16.3	2.681	3.400	13.3	21.3

178069 2006 SN_{90} 3 2.8 262°.10 0°.2/ 2.6 17

2 1	11 18.99	+ 5 24.3	1.784	2.637	13.0	21.3
2 11	11 13.27	+ 5 55.4	1.694	2.620	9.3	21.1
2 21	11 5.35	+ 6 38.5	1.630	2.602	5.0	20.8
3 2	10 56.00	+ 7 28.6	1.593	2.584	0.4	20.4
3 12	10 46.29	+ 8 18.9	1.585	2.566	4.5	20.6
3 22	10 37.35	+ 9 3.1	1.605	2.548	9.2	20.9
4 1	10 30.22	+ 9 35.8	1.650	2.529	13.4	21.1
4 11	10 25.57	+ 9 53.8	1.715	2.510	16.9	21.3

247843 2003 ST_{318} 3 2.8 235°.02 2°.3/ 1.0 16

2 1	11 21.24	+11 5.7	1.743	2.606	12.8	21.0
2 11	11 14.82	+11 44.1	1.666	2.597	9.0	20.8
2 21	11 6.15	+12 28.8	1.613	2.587	4.9	20.5
3 2	10 56.06	+13 13.1	1.589	2.577	2.3	20.3
3 12	10 45.73	+13 50.0	1.593	2.566	5.8	20.5
3 22	10 36.35	+14 14.0	1.625	2.555	10.1	20.7
4 1	10 28.93	+14 22.1	1.681	2.543	14.0	21.0
4 11	10 24.12	+14 13.6	1.757	2.531	17.3	21.2

81483 2000 GB_{153} 3 2.8 280°.98 3°.4/29.6 17

2 1	11 24.70	+15 26.6	1.694	2.559	13.0	19.6
2 11	11 17.33	+15 38.6	1.616	2.547	9.3	19.4
2 21	11 7.52	+15 50.5	1.563	2.534	5.4	19.1
3 2	10 56.18	+15 56.1	1.538	2.522	3.4	19.0
3 12	10 44.62	+15 49.9	1.542	2.510	6.5	19.1
3 22	10 34.15	+15 28.9	1.573	2.498	10.7	19.3
4 1	10 25.85	+14 52.5	1.628	2.486	14.6	19.6
4 11	10 20.39	+14 2.0	1.703	2.474	18.0	19.8

508159 2015 FE_{167} 3 2.8 236°.89 0°.8/ 1.9 17

2 1	11 14.52	+ 7 39.0	2.709	3.558	9.2	22.4
2 11	11 9.46	+ 8 18.5	2.622	3.547	6.5	22.2
2 21	11 3.05	+ 9 4.6	2.563	3.536	3.4	22.0
3 2	10 55.83	+ 9 53.3	2.534	3.524	0.8	21.8
3 12	10 48.45	+10 40.0	2.536	3.512	3.5	22.0
3 22	10 41.59	+11 20.7	2.567	3.500	6.7	22.2
4 1	10 35.86	+11 52.1	2.625	3.487	9.6	22.3
4 11	10 31.73	+12 12.3	2.706	3.475	12.0	22.5

467645 2008 SP_{186} 3 2.8 207°.55 1°.4/ 4.2 17

2 1	11 16.54	+ 0 47.8	2.117	2.952	12.0	22.0
2 11	11 11.13	+ 1 6.9	2.038	2.950	8.8	21.8
2 21	11 4.04	+ 1 38.7	1.983	2.948	5.1	21.6
3 2	10 55.92	+ 2 20.2	1.957	2.946	1.7	21.3
3 12	10 47.65	+ 3 6.1	1.961	2.943	3.5	21.4
3 22	10 40.10	+ 3 51.3	1.993	2.941	7.2	21.7
4 1	10 34.04	+ 4 30.9	2.051	2.938	10.7	21.9
4 11	10 29.99	+ 5 1.0	2.132	2.935	13.7	22.1

158892 2004 PT_{83} 3 2.8 122°.39 0°.3/ 3.2 18

2 1	11 16.21	+ 2 56.0	2.065	2.909	11.9	20.5
2 11	11 10.85	+ 3 43.0	1.999	2.919	8.5	20.3
2 21	11 3.84	+ 4 42.0	1.959	2.929	4.6	20.1
3 2	10 55.90	+ 5 48.0	1.948	2.939	0.6	19.8
3 12	10 47.91	+ 6 54.5	1.966	2.948	3.6	20.1
3 22	10 40.73	+ 7 55.4	2.013	2.957	7.5	20.3
4 1	10 35.08	+ 8 46.0	2.087	2.966	11.0	20.5
4 11	10 31.45	+ 9 23.1	2.182	2.974	13.8	20.8

374168 2004 VS_{56} 3 2.8 115°.31 2°.7/ 5.7 18

2 1	11 17.05	− 3 42.6	2.195	3.010	12.4	21.1
2 11	11 11.35	− 3 27.4	2.127	3.024	9.3	21.0
2 21	11 4.08	− 2 56.7	2.085	3.038	6.0	20.8
3 2	10 55.93	− 2 13.4	2.070	3.052	3.1	20.6
3 12	10 47.73	− 1 22.1	2.085	3.065	3.7	20.7
3 22	10 40.32	− 0 28.3	2.128	3.078	6.8	20.9
4 1	10 34.39	+ 0 22.6	2.199	3.090	9.9	21.1
4 11	10 30.40	+ 1 6.1	2.293	3.102	12.7	21.3

19321 1996 XY_{7} 3 2.8 354°.67 4°.9/27.4 18

2 1	11 16.87	+16 49.9	1.660	2.539	12.5	17.8
2 11	11 11.74	+18 4.0	1.601	2.537	8.9	17.5
2 21	11 4.48	+19 19.4	1.567	2.536	5.7	17.4
3 2	10 55.96	+20 26.9	1.561	2.535	5.1	17.3
3 12	10 47.34	+21 18.0	1.581	2.535	7.9	17.5
3 22	10 39.76	+21 47.8	1.626	2.535	11.6	17.7
4 1	10 34.14	+21 54.5	1.694	2.535	15.0	17.9
4 11	10 31.05	+21 39.3	1.780	2.535	17.9	18.1

406428 2007 TH_{213} 3 2.8 135°.89 1°.3/ 3.9 18

2 1	11 20.24	+ 1 1.9	1.907	2.742	13.1	22.6
2 11	11 13.77	+ 1 28.9	1.842	2.755	9.5	22.4
2 21	11 5.44	+ 2 9.7	1.802	2.768	5.5	22.1
3 2	10 56.04	+ 3 0.1	1.791	2.780	1.5	21.9
3 12	10 46.61	+ 3 53.9	1.809	2.791	3.8	22.1
3 22	10 38.14	+ 4 45.1	1.855	2.802	7.8	22.3
4 1	10 31.43	+ 5 28.4	1.928	2.812	11.5	22.6
4 11	10 27.01	+ 6 0.2	2.023	2.821	14.6	22.8

76232 2000 EU_{78} 3 2.8 22°.25 1°.7/ 1.2 18

2 1	11 16.09	+ 9 36.1	1.922	2.786	11.7	19.1
2 11	11 10.92	+10 19.5	1.856	2.788	8.2	18.8
2 21	11 3.95	+11 9.6	1.815	2.789	4.3	18.6
3 2	10 55.92	+12 0.6	1.803	2.791	1.7	18.4
3 12	10 47.82	+12 46.0	1.819	2.794	4.9	18.6
3 22	10 40.58	+13 20.8	1.862	2.796	8.8	18.9
4 1	10 34.98	+13 41.6	1.931	2.798	12.2	19.1
4 11	10 31.55	+13 47.0	2.020	2.801	15.2	19.3

454211 2013 HD_{60} 3 2.8 18°.23 4°.5/ 6.1 18

2 1	11 15.94	− 4 36.9	1.183	2.031	18.6	20.8
2 11	11 11.61	− 4 38.1	1.122	2.035	14.3	20.5
2 21	11 4.61	− 4 12.2	1.081	2.040	9.4	20.2
3 2	10 55.99	− 3 22.0	1.064	2.046	5.1	20.0
3 12	10 47.22	− 2 15.4	1.070	2.053	5.7	20.1
3 22	10 39.75	− 1 2.8	1.101	2.061	10.2	20.3
4 1	10 34.74	+ 0 5.2	1.154	2.069	14.9	20.6
4 11	10 32.83	+ 1 0.2	1.225	2.079	19.0	20.9

123688 2000 YG_{99} 3 2.8 71°.57 2°.4/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.17	+10 52.8	1.879	2.746	11.8	19.5
2 11	11 11.00	+11 52.9	1.817	2.750	8.2	19.3
2 21	11 4.01	+12 59.2	1.780	2.754	4.4	19.0
3 2	10 55.94	+14 4.7	1.771	2.758	2.5	18.9
3 12	10 47.81	+15 2.1	1.792	2.762	5.5	19.1
3 22	10 40.57	+15 46.0	1.839	2.766	9.3	19.4
4 1	10 35.02	+16 13.0	1.911	2.770	12.7	19.6
4 11	10 31.68	+16 22.3	2.003	2.774	15.6	19.8

387729 2003 FS_{40} 3 2.8 344°.48 1°.1/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.10	+ 5 45.3	2.126	2.983	11.0	20.2
2 11	11 8.03	+ 7 7.3	2.052	2.981	7.7	20.0
2 21	11 2.40	+ 8 40.9	2.004	2.979	4.0	19.7
3 2	10 55.82	+10 19.4	1.986	2.976	1.1	19.5
3 12	10 49.11	+11 55.0	1.998	2.975	4.3	19.8
3 22	10 43.07	+13 20.5	2.039	2.973	8.1	20.0
4 1	10 38.40	+14 30.7	2.105	2.971	11.4	20.2
4 11	10 35.61	+15 22.7	2.193	2.970	14.2	20.4

229595 2006 BE_{214} 3 2.8 186°.54 2°.4/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.71	− 2 9.2	2.014	2.840	12.9	20.4
2 11	11 11.34	− 1 56.2	1.936	2.840	9.6	20.2
2 21	11 4.19	− 1 27.4	1.882	2.840	6.0	20.0
3 2	10 55.97	− 0 45.7	1.855	2.840	2.8	19.8
3 12	10 47.59	+ 0 3.9	1.857	2.839	3.8	19.9
3 22	10 39.97	+ 0 55.6	1.888	2.839	7.4	20.1
4 1	10 33.92	+ 1 43.7	1.945	2.838	10.9	20.3
4 11	10 29.98	+ 2 23.4	2.024	2.837	14.0	20.5

110661 2001 TH_{182} 3 2.8 262°.72 3°.1/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.57	+14 12.7	1.848	2.712	12.1	19.4
2 11	11 15.00	+14 42.7	1.768	2.699	8.6	19.2
2 21	11 6.25	+15 14.9	1.714	2.686	4.9	18.9
3 2	10 56.14	+15 43.3	1.688	2.672	3.2	18.8
3 12	10 45.79	+16 1.5	1.691	2.659	6.1	18.9
3 22	10 36.35	+16 5.7	1.721	2.645	10.1	19.1
4 1	10 28.80	+15 53.9	1.776	2.631	13.8	19.3
4 11	10 23.78	+15 26.4	1.851	2.616	16.9	19.5

378338 2007 HX_{31} 3 2.8 221°.12 4°.5/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.67	− 9 53.4	2.305	3.089	12.8	21.5
2 11	11 10.52	− 9 44.8	2.212	3.082	10.2	21.3
2 21	11 3.74	− 9 16.6	2.143	3.074	7.4	21.1
3 2	10 55.94	− 8 30.0	2.101	3.066	5.0	21.0
3 12	10 47.93	− 7 28.6	2.087	3.058	4.8	20.9
3 22	10 40.52	− 6 18.0	2.102	3.049	7.0	21.1
4 1	10 34.46	− 5 4.8	2.145	3.040	10.0	21.2
4 11	10 30.29	− 3 55.2	2.212	3.031	12.8	21.4

70750 1999 VJ_{24} 3 2.8 93°.70 6°.0/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.46	+20 53.5	1.657	2.527	13.0	17.6
2 11	11 16.16	+22 1.1	1.621	2.549	9.5	17.4
2 21	11 6.71	+23 3.2	1.609	2.570	6.6	17.3
3 2	10 56.17	+23 50.6	1.626	2.591	6.3	17.3
3 12	10 45.84	+24 17.0	1.669	2.611	8.7	17.5
3 22	10 36.91	+24 20.1	1.739	2.631	11.9	17.7
4 1	10 30.24	+24 0.7	1.831	2.651	14.9	18.0
4 11	10 26.26	+23 22.2	1.941	2.670	17.4	18.2

155503 1999 LP_{5} 3 2.8 215°.27 13°.1/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.44	−25 42.9	1.352	2.076	23.0	20.3
2 11	11 13.61	−26 9.6	1.270	2.072	20.4	20.1
2 21	11 5.86	−25 51.4	1.203	2.068	17.5	19.9
3 2	10 56.13	−24 42.0	1.154	2.063	14.7	19.7
3 12	10 45.91	−22 42.4	1.127	2.057	13.1	19.6
3 22	10 36.82	−20 2.2	1.123	2.051	13.7	19.6
4 1	10 30.26	−16 58.3	1.142	2.045	16.1	19.7
4 11	10 27.07	−13 50.6	1.183	2.038	19.4	19.9

33560 D′Alessandro 3 2.9 250°.68 4°.6/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.03	+16 0.2	1.596	2.469	13.2	18.2
2 11	11 14.89	+17 1.8	1.526	2.460	9.4	18.0
2 21	11 6.29	+18 5.9	1.480	2.450	5.8	17.8
3 2	10 56.17	+19 3.4	1.461	2.439	4.8	17.7
3 12	10 45.80	+19 45.7	1.470	2.429	7.9	17.8
3 22	10 36.50	+20 7.2	1.504	2.418	11.9	18.0
4 1	10 29.37	+20 6.1	1.561	2.407	15.8	18.2
4 11	10 25.06	+19 43.5	1.636	2.396	19.0	18.4

401011 2011 RP_{13} 3 2.9 229°.34 0°.3/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.48	+ 4 16.6	1.715	2.566	13.6	22.2
2 11	11 13.67	+ 5 9.6	1.631	2.555	9.7	21.9
2 21	11 5.63	+ 6 17.6	1.571	2.543	5.2	21.6
3 2	10 56.12	+ 7 34.5	1.540	2.531	0.4	21.2
3 12	10 46.28	+ 8 51.7	1.537	2.518	4.7	21.5
3 22	10 37.29	+10 1.3	1.563	2.504	9.5	21.8
4 1	10 30.18	+10 56.7	1.613	2.489	13.7	22.0
4 11	10 25.64	+11 34.3	1.683	2.474	17.3	22.2

396615 2001 SB_{126} 3 2.9 204°.97 0°.8/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.39	+ 1 14.4	1.893	2.730	13.1	22.6
2 11	11 13.39	+ 2 2.7	1.809	2.725	9.5	22.4
2 21	11 5.38	+ 3 7.1	1.751	2.719	5.4	22.1
3 2	10 56.10	+ 4 22.4	1.721	2.712	1.1	21.8
3 12	10 46.57	+ 5 41.3	1.721	2.704	4.0	22.0
3 22	10 37.83	+ 6 56.3	1.750	2.695	8.4	22.2
4 1	10 30.81	+ 8 0.7	1.805	2.685	12.3	22.5
4 11	10 26.13	+ 8 50.2	1.882	2.674	15.7	22.7

500415 2012 TA_{116} 3 2.9 124°.29 3°.0/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.99	− 5 1.1	2.412	3.220	11.6	21.9
2 11	11 9.87	− 4 49.4	2.336	3.226	8.9	21.7
2 21	11 3.32	− 4 22.8	2.284	3.233	5.9	21.5
3 2	10 55.93	− 3 43.2	2.261	3.239	3.3	21.4
3 12	10 48.45	− 2 54.7	2.267	3.245	3.6	21.4
3 22	10 41.62	− 2 2.2	2.302	3.252	6.3	21.6
4 1	10 36.08	− 1 10.9	2.364	3.257	9.3	21.7
4 11	10 32.29	− 0 25.1	2.450	3.263	11.9	21.9

290043 2005 QQ_{42} 3 2.9 159°.43 0°.6/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.52	+ 5 55.0	2.274	3.120	10.9	21.9
2 11	11 11.69	+ 6 45.4	2.205	3.127	7.6	21.7
2 21	11 4.30	+ 7 44.6	2.162	3.134	4.0	21.5
3 2	10 56.01	+ 8 47.7	2.149	3.140	0.6	21.3
3 12	10 47.64	+ 9 48.5	2.167	3.145	3.8	21.5
3 22	10 40.01	+10 42.0	2.214	3.150	7.4	21.8
4 1	10 33.82	+11 24.2	2.288	3.154	10.6	22.0
4 11	10 29.54	+11 52.9	2.384	3.157	13.3	22.2

82632 2001 OY_{107} 3 2.9 78°.21 9°.1/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.42	+27 32.1	1.673	2.548	12.6	18.2
2 11	11 12.26	+29 59.4	1.639	2.557	10.2	18.1
2 21	11 4.82	+32 15.7	1.632	2.565	9.1	18.0
3 2	10 56.05	+34 8.3	1.651	2.574	10.0	18.1
3 12	10 47.22	+35 28.2	1.696	2.583	12.3	18.2
3 22	10 39.55	+36 12.4	1.763	2.592	14.9	18.4
4 1	10 34.02	+36 22.5	1.849	2.600	17.3	18.6
4 11	10 31.18	+36 3.3	1.951	2.609	19.3	18.8

37759 1997 EL_{36} 3 2.9 5°.01 1°.7/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.01	+ 2 16.2	1.635	2.484	14.3	18.0
2 11	11 13.26	+ 2 6.8	1.564	2.483	10.4	17.7
2 21	11 5.34	+ 2 10.4	1.517	2.484	6.1	17.5
3 2	10 56.10	+ 2 24.0	1.496	2.485	2.0	17.2
3 12	10 46.70	+ 2 42.8	1.503	2.486	4.2	17.3
3 22	10 38.31	+ 3 1.6	1.536	2.488	8.7	17.6
4 1	10 31.89	+ 3 15.6	1.595	2.490	12.8	17.8
4 11	10 28.04	+ 3 21.1	1.674	2.493	16.3	18.1

442939 2013 CO_{74} 3 2.9 66°.87 3°.8/28.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.76	+ 7 4.7	1.234	2.109	16.1	20.6
2 11	11 13.22	+10 5.8	1.204	2.143	10.9	20.4
2 21	11 5.26	+13 18.3	1.201	2.177	5.7	20.2
3 2	10 56.07	+16 23.6	1.226	2.210	4.1	20.2
3 12	10 47.12	+19 4.2	1.280	2.244	8.2	20.6
3 22	10 39.71	+21 9.5	1.360	2.277	12.7	20.9
4 1	10 34.75	+22 36.2	1.462	2.309	16.6	21.2
4 11	10 32.69	+23 26.9	1.583	2.342	19.6	21.5

427589 2003 SU_{74} 3 2.9 118°.59 0°.1/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.87	+ 5 51.4	2.090	2.939	11.6	21.8
2 11	11 12.03	+ 6 13.7	2.022	2.945	8.2	21.5
2 21	11 4.52	+ 6 44.4	1.980	2.951	4.4	21.3
3 2	10 56.03	+ 7 19.4	1.966	2.957	0.3	21.0
3 12	10 47.48	+ 7 53.7	1.982	2.963	3.8	21.3
3 22	10 39.75	+ 8 22.6	2.026	2.968	7.6	21.5
4 1	10 33.59	+ 8 42.6	2.097	2.974	11.0	21.8
4 11	10 29.48	+ 8 51.7	2.189	2.979	13.9	22.0

419572 2010 RQ_{50} 3 2.9 249°.61 0°.3/ 3.2 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.58	+ 3 13.1	1.873	2.718	12.9	22.4
2 11	11 12.94	+ 3 52.7	1.780	2.701	9.3	22.1
2 21	11 5.22	+ 4 46.7	1.713	2.683	5.1	21.8
3 2	10 56.10	+ 5 50.2	1.674	2.665	0.6	21.5
3 12	10 46.63	+ 6 56.3	1.664	2.645	4.2	21.7
3 22	10 37.87	+ 7 58.0	1.682	2.626	8.7	21.9
4 1	10 30.79	+ 8 49.2	1.726	2.606	12.8	22.1
4 11	10 26.08	+ 9 25.8	1.791	2.585	16.3	22.3

496061 2009 GX_{3} 3 2.9 257°.55 0°.7/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.91	+ 2 19.2	1.833	2.678	13.1	22.0
2 11	11 12.49	+ 2 53.5	1.742	2.661	9.6	21.8
2 21	11 4.97	+ 3 42.7	1.676	2.645	5.4	21.5
3 2	10 56.09	+ 4 42.6	1.637	2.627	1.0	21.1
3 12	10 46.85	+ 5 46.4	1.627	2.610	4.1	21.3
3 22	10 38.34	+ 6 47.0	1.645	2.592	8.6	21.5
4 1	10 31.54	+ 7 38.0	1.689	2.574	12.8	21.7
4 11	10 27.12	+ 8 15.3	1.754	2.555	16.3	21.9

466133 2012 FQ_{44} 3 2.9 287°.37 15°.0/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 42.27	+50 31.8	1.878	2.650	15.8	21.0
2 11	11 30.48	+51 43.3	1.823	2.625	15.1	20.9
2 21	11 14.77	+52 23.9	1.789	2.599	15.1	20.9
3 2	10 56.85	+52 21.4	1.776	2.573	15.8	20.9
3 12	10 39.15	+51 30.0	1.785	2.547	17.2	20.9
3 22	10 23.89	+49 52.4	1.813	2.521	18.9	21.0
4 1	10 12.56	+47 36.9	1.859	2.494	20.6	21.1
4 11	10 5.66	+44 54.6	1.919	2.468	22.2	21.1

501037 2013 RT_{71} 3 2.9 205°.93 0°.7/ 2.1 17

2 1	11 17.02	+ 6 25.4	2.277	3.126	10.8	22.2
2 11	11 11.43	+ 7 12.3	2.197	3.121	7.6	22.0
2 21	11 4.22	+ 8 8.1	2.143	3.115	4.0	21.8
3 2	10 56.02	+ 9 8.0	2.119	3.109	0.7	21.5
3 12	10 47.66	+10 6.0	2.125	3.103	3.9	21.8
3 22	10 39.97	+10 56.9	2.160	3.096	7.6	22.0
4 1	10 33.68	+11 36.7	2.222	3.088	10.9	22.2
4 11	10 29.31	+12 3.1	2.306	3.080	13.7	22.3

221237 2005 UT_{190} 3 2.9 182°.30 0°.7/ 3.6 16

2 1	11 17.43	+ 2 10.9	2.207	3.043	11.5	21.5
2 11	11 11.73	+ 2 43.0	2.129	3.044	8.3	21.3
2 21	11 4.38	+ 3 26.9	2.077	3.044	4.7	21.1
3 2	10 56.04	+ 4 18.6	2.054	3.044	1.0	20.8
3 12	10 47.57	+ 5 12.8	2.061	3.043	3.4	21.0
3 22	10 39.82	+ 6 4.1	2.097	3.042	7.2	21.3
4 1	10 33.52	+ 6 47.6	2.160	3.040	10.6	21.5
4 11	10 29.19	+ 7 20.3	2.246	3.038	13.5	21.7

323858 2005 SV_{122} 3 2.9 224°.35 0°.7/ 2.3 17

2 1	11 21.10	+ 7 54.3	2.133	2.981	11.4	21.7
2 11	11 14.43	+ 8 11.8	2.048	2.971	8.1	21.5
2 21	11 5.88	+ 8 36.1	1.990	2.961	4.3	21.2
3 2	10 56.17	+ 9 3.0	1.960	2.951	0.7	20.9
3 12	10 46.24	+ 9 27.5	1.961	2.940	4.1	21.2
3 22	10 37.06	+ 9 45.7	1.992	2.928	8.1	21.4
4 1	10 29.48	+ 9 54.2	2.048	2.916	11.6	21.6
4 11	10 24.08	+ 9 51.6	2.127	2.903	14.6	21.8

221065 2005 QP_{187} 3 2.9 186°.96 2°.4/29.3 16

2 1	11 18.01	+11 46.9	2.179	3.039	10.7	21.8
2 11	11 12.16	+12 46.0	2.109	3.039	7.5	21.6
2 21	11 4.62	+13 50.0	2.066	3.038	4.1	21.4
3 2	10 56.06	+14 52.6	2.052	3.037	2.5	21.2
3 12	10 47.39	+15 47.5	2.068	3.035	5.2	21.4
3 22	10 39.49	+16 29.8	2.112	3.033	8.7	21.6
4 1	10 33.10	+16 56.5	2.182	3.030	11.8	21.8
4 11	10 28.76	+17 7.0	2.273	3.026	14.5	22.0

207615 2006 RK_{15} 3 2.9 218°.70 1°.4/ 4.3 17

2 1	11 16.69	+ 1 3.9	2.473	3.302	10.7	20.4
2 11	11 11.09	+ 1 10.6	2.388	3.297	7.8	20.2
2 21	11 4.01	+ 1 27.7	2.330	3.293	4.6	20.0
3 2	10 56.02	+ 1 52.6	2.300	3.288	1.6	19.8
3 12	10 47.89	+ 2 21.8	2.301	3.283	3.1	19.9
3 22	10 40.36	+ 2 51.1	2.331	3.278	6.4	20.1
4 1	10 34.11	+ 3 16.9	2.388	3.273	9.6	20.3
4 11	10 29.63	+ 3 36.0	2.469	3.267	12.3	20.5

140631 2001 UV_{15} 3 2.9 240°.90 3°.6/ 7.1 18

2 1	11 14.98	− 7 47.0	2.693	3.481	11.1	20.6
2 11	11 9.88	− 7 40.4	2.592	3.467	8.7	20.5
2 21	11 3.38	− 7 18.3	2.516	3.453	6.1	20.3
3 2	10 55.97	− 6 42.0	2.468	3.438	4.0	20.1
3 12	10 48.35	− 5 54.3	2.450	3.423	4.0	20.1
3 22	10 41.21	− 4 59.6	2.461	3.407	6.2	20.2
4 1	10 35.19	− 4 3.0	2.500	3.391	8.9	20.3
4 11	10 30.78	− 3 9.2	2.563	3.375	11.5	20.5

28525 Andrewabboud 3 2.9 209°.85 1°.4/ 4.0 18

2 1	11 21.23	+ 1 9.3	1.790	2.627	13.8	19.8
2 11	11 14.81	+ 1 30.1	1.707	2.621	10.1	19.5
2 21	11 6.20	+ 2 6.1	1.648	2.614	5.8	19.2
3 2	10 56.21	+ 2 53.3	1.617	2.607	1.7	18.9
3 12	10 45.93	+ 3 45.6	1.616	2.598	4.1	19.1
3 22	10 36.53	+ 4 36.3	1.642	2.589	8.6	19.3
4 1	10 28.98	+ 5 19.5	1.694	2.580	12.7	19.6
4 11	10 23.95	+ 5 50.9	1.768	2.569	16.2	19.8

267468 2002 ER_{141} 3 2.9 43°.77 2°.7/ 1.1 18

2 1	11 23.18	+13 7.9	1.416	2.288	14.6	19.8
2 11	11 16.12	+13 20.4	1.376	2.310	10.2	19.6
2 21	11 6.75	+13 35.2	1.359	2.333	5.5	19.4
3 2	10 56.23	+13 45.8	1.369	2.356	2.8	19.2
3 12	10 45.98	+13 46.7	1.405	2.379	6.2	19.5
3 22	10 37.25	+13 34.7	1.468	2.403	10.5	19.8
4 1	10 30.95	+13 9.1	1.554	2.428	14.4	20.1
4 11	10 27.52	+12 30.9	1.660	2.452	17.5	20.4

81577 2000 HQ_{41} 3 2.9 257°.33 7°.6/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.97	+24 48.6	1.819	2.693	11.8	19.0
2 11	11 12.62	+26 40.8	1.760	2.682	9.2	18.8
2 21	11 5.06	+28 28.0	1.726	2.672	7.7	18.7
3 2	10 56.11	+29 59.2	1.720	2.662	8.3	18.7
3 12	10 46.94	+31 5.5	1.741	2.651	10.6	18.8
3 22	10 38.71	+31 42.3	1.785	2.640	13.5	18.9
4 1	10 32.43	+31 49.4	1.850	2.629	16.3	19.1
4 11	10 28.73	+31 29.9	1.932	2.618	18.7	19.3

385063 2012 UD_{57} 3 2.9 180°.25 4°.0/ 7.8 17

2 1	11 14.36	− 9 32.6	2.608	3.389	11.6	21.4
2 11	11 9.41	− 9 23.4	2.521	3.390	9.2	21.3
2 21	11 3.09	− 8 57.1	2.459	3.390	6.6	21.1
3 2	10 55.95	− 8 15.3	2.425	3.390	4.5	21.0
3 12	10 48.68	− 7 21.2	2.420	3.390	4.3	21.0
3 22	10 41.97	− 6 19.6	2.443	3.390	6.2	21.1
4 1	10 36.45	− 5 15.8	2.495	3.389	8.8	21.2
4 11	10 32.56	− 4 15.2	2.571	3.388	11.3	21.4

79159 1993 FP_{17} 3 2.9 25°.10 2°.5/29.3 18

2 1	11 14.39	+11 15.3	1.892	2.762	11.6	19.1
2 11	11 9.75	+12 16.5	1.832	2.767	8.0	18.9
2 21	11 3.36	+13 23.3	1.799	2.773	4.3	18.7
3 2	10 55.97	+14 28.9	1.793	2.779	2.6	18.6
3 12	10 48.53	+15 26.1	1.816	2.785	5.5	18.8
3 22	10 41.94	+16 9.4	1.865	2.792	9.2	19.0
4 1	10 36.99	+16 35.9	1.939	2.799	12.5	19.2
4 11	10 34.17	+16 44.6	2.033	2.806	15.3	19.4

86830 2000 GN_{147} 3 2.9 218°.92 2°.5/ 4.9 18

2 1	11 19.83	− 2 3.2	1.777	2.605	14.3	20.0
2 11	11 13.86	− 1 42.7	1.691	2.597	10.7	19.8
2 21	11 5.72	− 1 3.6	1.628	2.589	6.6	19.5
3 2	10 56.17	− 0 9.3	1.593	2.579	2.9	19.3
3 12	10 46.32	+ 0 54.4	1.587	2.569	4.2	19.3
3 22	10 37.29	+ 1 59.9	1.609	2.559	8.5	19.6
4 1	10 30.08	+ 3 0.1	1.656	2.548	12.6	19.8
4 11	10 25.37	+ 3 49.2	1.725	2.536	16.2	20.0

172401 2003 BG_{24} 3 2.9 34°.74 1°.8/ 4.9 18

2 1	11 11.89	− 3 12.7	1.769	2.605	13.9	19.2
2 11	11 8.02	− 2 0.3	1.709	2.621	10.2	19.0
2 21	11 2.44	− 0 27.5	1.674	2.637	6.1	18.8
3 2	10 55.90	+ 1 19.5	1.666	2.654	2.2	18.6
3 12	10 49.34	+ 3 11.5	1.687	2.672	3.7	18.7
3 22	10 43.67	+ 4 59.1	1.736	2.689	7.7	19.0
4 1	10 39.62	+ 6 34.3	1.811	2.708	11.4	19.3
4 11	10 37.65	+ 7 51.7	1.909	2.727	14.6	19.5

468842 2012 UZ_{101} 3 2.9 146°.81 0°.1/ 2.8 17

2 1	11 14.92	+ 4 59.1	2.740	3.581	9.4	22.1
2 11	11 9.67	+ 5 35.1	2.669	3.589	6.6	21.9
2 21	11 3.17	+ 6 18.8	2.626	3.597	3.5	21.7
3 2	10 55.96	+ 7 6.3	2.613	3.604	0.3	21.4
3 12	10 48.70	+ 7 53.3	2.631	3.611	3.0	21.7
3 22	10 42.03	+ 8 35.9	2.678	3.618	6.1	21.9
4 1	10 36.51	+ 9 10.8	2.753	3.624	8.9	22.1
4 11	10 32.54	+ 9 35.8	2.852	3.630	11.3	22.3

263930 2009 HA_{42} 3 2.9 350°.01 2°.6/28.9 17

2 1	11 14.52	+12 48.7	2.170	3.038	10.4	20.5
2 11	11 9.72	+13 42.1	2.103	3.036	7.3	20.3
2 21	11 3.31	+14 39.4	2.062	3.035	4.1	20.1
3 2	10 55.97	+15 34.6	2.049	3.033	2.7	20.0
3 12	10 48.54	+16 21.6	2.066	3.032	5.3	20.1
3 22	10 41.84	+16 56.1	2.110	3.031	8.6	20.3
4 1	10 36.59	+17 15.4	2.179	3.031	11.7	20.5
4 11	10 33.26	+17 18.8	2.269	3.030	14.3	20.7

357345 2003 QB_{35} 3 2.9 267°.52 1°.6/ 1.4 17

2 1	11 17.25	+ 6 29.2	1.655	2.517	13.4	20.9
2 11	11 12.27	+ 7 47.7	1.565	2.496	9.5	20.6
2 21	11 4.98	+ 9 22.1	1.500	2.475	5.0	20.3
3 2	10 56.12	+11 4.5	1.463	2.453	1.6	20.0
3 12	10 46.82	+12 44.6	1.454	2.430	5.7	20.2
3 22	10 38.27	+14 12.5	1.473	2.408	10.5	20.4
4 1	10 31.58	+15 21.1	1.516	2.384	14.9	20.6
4 11	10 27.52	+16 6.8	1.578	2.361	18.7	20.8

332725 2009 SZ_{274} 3 2.9 340°.45 1°.3/ 4.2 18

2 1	11 14.49	− 0 13.3	1.663	2.510	14.2	20.7
2 11	11 10.09	+ 0 34.0	1.588	2.507	10.4	20.5
2 21	11 3.67	+ 1 40.4	1.537	2.504	6.0	20.2
3 2	10 56.01	+ 3 0.5	1.512	2.502	1.7	19.9
3 12	10 48.16	+ 4 26.2	1.516	2.500	4.1	20.1
3 22	10 41.18	+ 5 48.6	1.546	2.498	8.6	20.3
4 1	10 35.98	+ 7 0.2	1.601	2.496	12.8	20.6
4 11	10 33.18	+ 7 55.6	1.677	2.495	16.3	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
157516 2005 SL_{122}			3 2.9 128.°96		3.°1/ 5.6 18	
	h m	° ′			°	m
2 1	11 19.90	− 4 33.3	1.626	2.449	15.6	20.5
2 11	11 13.83	− 3 58.5	1.562	2.463	11.7	20.2
2 21	11 5.62	− 3 1.3	1.520	2.476	7.4	20.0
3 2	10 56.16	− 1 46.1	1.506	2.489	3.6	19.8
3 12	10 46.65	− 0 20.7	1.519	2.501	4.4	19.9
3 22	10 38.23	+ 1 5.6	1.561	2.513	8.5	20.2
4 1	10 31.83	+ 2 24.4	1.628	2.523	12.6	20.4
4 11	10 27.99	+ 3 29.7	1.716	2.533	16.0	20.7
109272 2001 QY_{112}			3 2.9 175.°94		3.°3/ 6.8 17	
2 1	11 14.50	− 6 34.9	2.508	3.306	11.5	20.0
2 11	11 9.54	− 6 20.0	2.424	3.308	8.9	19.8
2 21	11 3.18	− 5 49.3	2.365	3.308	6.1	19.6
3 2	10 55.98	− 5 4.6	2.334	3.309	3.7	19.5
3 12	10 48.65	− 4 9.8	2.333	3.309	3.8	19.5
3 22	10 41.91	− 3 10.0	2.360	3.310	6.2	19.6
4 1	10 36.40	− 2 10.3	2.416	3.310	9.1	19.8
4 11	10 32.58	− 1 15.8	2.495	3.309	11.7	20.0
147801 2005 SR_{29}			3 2.9 75.°05		1.°3/ 3.9 18	
2 1	11 18.12	+ 1 30.9	1.724	2.569	13.8	20.5
2 11	11 12.48	+ 1 49.7	1.660	2.578	10.0	20.3
2 21	11 4.87	+ 2 22.9	1.620	2.588	5.7	20.1
3 2	10 56.11	+ 3 6.3	1.607	2.597	1.6	19.8
3 12	10 47.30	+ 3 53.5	1.623	2.606	4.0	20.0
3 22	10 39.47	+ 4 38.3	1.665	2.615	8.3	20.3
4 1	10 33.50	+ 5 15.2	1.733	2.625	12.2	20.5
4 11	10 29.91	+ 5 40.6	1.822	2.634	15.4	20.8
238433 2004 NP_{23}			3 2.9 146.°52		1.°1/ 3.9 18	
2 1	11 19.84	+ 0 22.5	1.909	2.742	13.2	21.8
2 11	11 13.55	+ 1 8.8	1.842	2.754	9.6	21.6
2 21	11 5.40	+ 2 10.6	1.800	2.766	5.5	21.3
3 2	10 56.16	+ 3 22.6	1.787	2.776	1.4	21.1
3 12	10 46.87	+ 4 37.8	1.803	2.786	3.8	21.3
3 22	10 38.50	+ 5 49.0	1.849	2.795	7.9	21.5
4 1	10 31.88	+ 6 50.1	1.921	2.803	11.6	21.8
4 11	10 27.53	+ 7 37.3	2.016	2.810	14.7	22.0
102086 1999 RT_{150}			3 2.9 119.°23		1.°1/ 1.9 18	
2 1	11 20.82	+ 7 30.6	1.839	2.693	12.7	20.2
2 11	11 14.22	+ 8 15.4	1.783	2.710	8.9	20.0
2 21	11 5.72	+ 9 8.5	1.754	2.727	4.6	19.8
3 2	10 56.19	+10 3.7	1.753	2.743	1.1	19.6
3 12	10 46.69	+10 54.3	1.781	2.759	4.6	19.9
3 22	10 38.25	+11 34.7	1.838	2.774	8.7	20.1
4 1	10 31.67	+12 1.6	1.920	2.788	12.3	20.4
4 11	10 27.45	+12 13.5	2.023	2.802	15.2	20.6
335772 2007 EA_{166}			3 2.9 80.°00		1.°2/ 3.8 17	
2 1	11 25.38	+ 0 34.3	1.353	2.197	17.0	21.3
2 11	11 17.60	+ 1 19.9	1.319	2.236	12.1	21.1
2 21	11 7.50	+ 2 23.6	1.308	2.276	6.8	20.9
3 2	10 56.33	+ 3 37.5	1.324	2.314	1.6	20.6
3 12	10 45.55	+ 4 52.0	1.368	2.351	4.6	20.9
3 22	10 36.42	+ 5 58.4	1.439	2.387	9.5	21.3
4 1	10 29.82	+ 6 50.6	1.534	2.422	13.7	21.6
4 11	10 26.16	+ 7 25.7	1.650	2.457	17.0	21.9
375901 2009 VA_{95}			3 2.9 129.°79		1.°2/ 4.1 18	
2 1	11 17.52	+ 1 17.7	2.090	2.926	12.1	21.5
2 11	11 11.82	+ 1 39.5	2.020	2.934	8.8	21.3
2 21	11 4.45	+ 2 13.8	1.976	2.942	5.1	21.0
3 2	10 56.10	+ 2 56.9	1.960	2.949	1.5	20.8
3 12	10 47.69	+ 3 43.4	1.973	2.956	3.5	21.0
3 22	10 40.08	+ 4 28.2	2.015	2.963	7.2	21.2
4 1	10 34.01	+ 5 6.4	2.084	2.970	10.7	21.4
4 11	10 29.97	+ 5 34.7	2.175	2.976	13.6	21.6
83953 2001 WA_{97}			3 2.9 280.°87		1.°5/ 1.3 17	
2 1	11 15.54	+ 9 30.0	2.273	3.131	10.4	20.0
2 11	11 10.49	+10 10.2	2.185	3.115	7.3	19.8
2 21	11 3.79	+10 57.0	2.124	3.098	3.9	19.5
3 2	10 56.06	+11 45.4	2.092	3.081	1.5	19.3
3 12	10 48.11	+12 30.0	2.090	3.064	4.4	19.5
3 22	10 40.78	+13 6.0	2.116	3.047	8.0	19.7
4 1	10 34.80	+13 30.0	2.167	3.031	11.3	19.9
4 11	10 30.73	+13 40.3	2.241	3.014	14.1	20.0
377322 2004 JM_{54}			3 2.9 198.°29		17.°7/16.0 17	
2 1	11 35.01	+45 46.6	1.274	2.100	18.9	20.8
2 11	11 26.02	+48 0.4	1.250	2.099	17.9	20.7
2 21	11 12.64	+49 37.8	1.245	2.097	17.9	20.7
3 2	10 56.77	+50 23.1	1.259	2.095	18.9	20.8
3 12	10 41.18	+50 9.9	1.292	2.092	20.6	20.9
3 22	10 28.37	+49 2.5	1.341	2.089	22.7	21.0
4 1	10 19.87	+47 11.6	1.403	2.086	24.6	21.2
4 11	10 16.09	+44 49.9	1.476	2.082	26.3	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
301475 2009 DO_{128}			3 2.9 322.°74		8.°3/23.9 17	
	h m	° ′			°	m
2 1	11 21.26	+30 21.3	1.944	2.804	11.8	19.7
2 11	11 14.82	+31 16.6	1.882	2.790	9.7	19.5
2 21	11 6.18	+32 0.0	1.845	2.776	8.4	19.4
3 2	10 56.26	+32 23.3	1.833	2.763	8.8	19.4
3 12	10 46.25	+32 20.9	1.848	2.750	10.6	19.5
3 22	10 37.33	+31 51.3	1.887	2.737	13.1	19.6
4 1	10 30.45	+30 56.6	1.948	2.725	15.7	19.8
4 11	10 26.18	+29 40.9	2.026	2.714	17.9	19.9
141135 2001 XD_{92}			3 2.9 259.°02		7.°5/22.7 18	
2 1	11 18.42	+30 33.4	2.324	3.181	10.3	19.8
2 11	11 12.51	+31 46.7	2.274	3.178	8.4	19.7
2 21	11 4.83	+32 49.7	2.251	3.175	7.5	19.6
3 2	10 56.15	+33 35.1	2.254	3.172	8.0	19.6
3 12	10 47.43	+33 58.1	2.284	3.170	9.6	19.7
3 22	10 39.60	+33 56.9	2.338	3.167	11.7	19.9
4 1	10 33.43	+33 32.7	2.414	3.164	13.7	20.0
4 11	10 29.41	+32 48.4	2.508	3.161	15.5	20.1
401090 2011 UM_{141}			3 2.9 212.°76		2.°8/29.4 18	
2 1	11 20.20	+11 11.9	1.788	2.651	12.5	21.5
2 11	11 14.10	+12 18.3	1.714	2.645	8.8	21.3
2 21	11 5.85	+13 32.3	1.665	2.638	4.8	21.0
3 2	10 56.24	+14 45.7	1.645	2.630	2.9	20.9
3 12	10 46.41	+15 50.3	1.653	2.622	6.1	21.1
3 22	10 37.48	+16 39.6	1.690	2.613	10.2	21.3
4 1	10 30.42	+17 9.8	1.750	2.603	14.0	21.5
4 11	10 25.88	+17 20.2	1.830	2.593	17.2	21.7
347189 2011 GM_{57}			3 2.9 333.°48		5.°5/26.8 17	
2 1	11 18.11	+20 0.7	1.785	2.660	11.9	19.7
2 11	11 12.59	+21 4.9	1.725	2.656	8.7	19.5
2 21	11 4.99	+22 6.7	1.689	2.652	6.1	19.3
3 2	10 56.17	+22 57.8	1.681	2.649	5.8	19.3
3 12	10 47.25	+23 31.0	1.700	2.645	8.3	19.4
3 22	10 39.33	+23 42.6	1.745	2.642	11.6	19.6
4 1	10 33.33	+23 31.8	1.812	2.640	14.7	19.8
4 11	10 29.80	+23 0.5	1.897	2.637	17.4	20.0
415837 2001 RH_{83}			3 2.9 193.°65		0.°1/ 2.9 16	
2 1	11 21.51	+ 5 38.6	2.259	3.098	11.2	21.9
2 11	11 14.60	+ 5 49.4	2.178	3.096	8.0	21.7
2 21	11 5.95	+ 6 7.9	2.123	3.093	4.3	21.5
3 2	10 56.26	+ 6 30.8	2.099	3.090	0.4	21.1
3 12	10 46.41	+ 6 53.6	2.105	3.086	3.6	21.4
3 22	10 37.31	+ 7 12.6	2.141	3.081	7.4	21.6
4 1	10 29.75	+ 7 24.5	2.204	3.076	10.8	21.8
4 11	10 24.25	+ 7 27.2	2.290	3.070	13.6	22.0
474102 2016 LL_{12}			3 2.9 148.°76		4.°1/26.4 17	
2 1	11 15.47	+19 35.8	2.663	3.528	8.8	20.9
2 11	11 10.16	+20 47.0	2.608	3.535	6.4	20.7
2 21	11 3.49	+21 56.4	2.581	3.541	4.5	20.6
3 2	10 56.05	+22 58.2	2.583	3.547	4.4	20.6
3 12	10 48.57	+23 47.3	2.616	3.553	6.2	20.7
3 22	10 41.75	+24 20.7	2.676	3.559	8.6	20.9
4 1	10 36.20	+24 37.1	2.760	3.564	10.9	21.0
4 11	10 32.33	+24 37.1	2.866	3.569	12.8	21.2
56611 2000 JH_{61}			3 2.9 41.°10		5.°5/28.1 18	
2 1	11 20.84	+16 19.9	1.201	2.087	15.6	18.2
2 11	11 15.06	+17 27.0	1.155	2.095	11.1	17.9
2 21	11 6.47	+18 35.0	1.132	2.103	6.9	17.7
3 2	10 56.30	+19 32.4	1.133	2.112	5.8	17.7
3 12	10 46.19	+20 9.2	1.159	2.121	9.1	17.9
3 22	10 37.65	+20 20.4	1.208	2.130	13.6	18.1
4 1	10 31.83	+20 5.6	1.278	2.140	17.6	18.4
4 11	10 29.25	+19 27.8	1.365	2.150	21.0	18.7
402957 2007 TJ_{400}			3 2.9 150.°24		0.°7/ 3.5 18	
2 1	11 20.80	+ 2 49.0	1.815	2.657	13.4	22.0
2 11	11 14.35	+ 3 14.2	1.747	2.665	9.6	21.8
2 21	11 5.89	+ 3 52.3	1.704	2.673	5.4	21.5
3 2	10 56.26	+ 4 38.7	1.689	2.679	1.0	21.2
3 12	10 46.54	+ 5 27.2	1.703	2.686	4.0	21.5
3 22	10 37.80	+ 6 11.6	1.745	2.691	8.3	21.7
4 1	10 30.91	+ 6 47.0	1.814	2.696	12.2	22.0
4 11	10 26.42	+ 7 10.2	1.903	2.701	15.4	22.2
468289 2015 DA_{147}			3 2.9 275.°86		4.°1/ 6.8 17	
2 1	11 16.07	− 6 42.0	1.980	2.788	13.8	20.3
2 11	11 11.07	− 6 41.0	1.889	2.777	10.8	20.1
2 21	11 4.20	− 6 20.7	1.822	2.767	7.5	19.9
3 2	10 56.13	− 5 42.2	1.781	2.756	4.6	19.7
3 12	10 47.78	− 4 49.7	1.768	2.745	4.7	19.6
3 22	10 40.11	− 3 49.2	1.783	2.734	7.7	19.8
4 1	10 33.99	− 2 47.6	1.824	2.723	11.2	20.0
4 11	10 30.03	− 1 51.3	1.887	2.712	14.4	20.2

148908 2001 XL_1 3 2.9 106°.71 6°.7/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.39	−16 38.3	2.290	3.025	14.3	19.2
2 11	11 13.71	−16 57.8	2.226	3.052	11.9	19.1
2 21	11 5.42	−16 54.4	2.185	3.078	9.4	19.0
3 2	10 56.22	−16 28.2	2.170	3.103	7.4	18.9
3 12	10 47.02	−15 42.2	2.183	3.128	6.7	18.9
3 22	10 38.68	−14 41.5	2.224	3.151	7.9	19.0
4 1	10 31.91	−13 33.1	2.292	3.174	10.0	19.2
4 11	10 27.17	−12 23.9	2.384	3.197	12.2	19.3

30077 2000 ES_{97} 3 2.9 264°.80 3°.5/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.49	− 7 33.5	2.539	3.333	11.5	18.9
2 11	11 9.69	− 7 12.9	2.431	3.310	9.0	18.7
2 21	11 3.37	− 6 35.0	2.347	3.288	6.3	18.5
3 2	10 56.07	− 5 41.2	2.291	3.264	3.9	18.3
3 12	10 48.48	− 4 35.2	2.264	3.241	3.9	18.3
3 22	10 41.35	− 3 22.2	2.267	3.217	6.4	18.4
4 1	10 35.37	− 2 8.2	2.298	3.192	9.5	18.6
4 11	10 31.10	− 0 58.9	2.354	3.167	12.3	18.7

506239 2016 NJ_{24} 3 2.9 334°.28 2°.8/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.65	− 5 8.6	2.234	3.049	12.2	21.3
2 11	11 8.42	− 4 38.3	2.150	3.045	9.3	21.1
2 21	11 2.67	− 3 50.6	2.090	3.042	6.1	20.9
3 2	10 56.00	− 2 48.1	2.058	3.039	3.3	20.7
3 12	10 49.19	− 1 36.0	2.055	3.036	3.6	20.7
3 22	10 43.00	− 0 20.5	2.081	3.033	6.7	20.9
4 1	10 38.12	+ 0 52.1	2.133	3.031	9.9	21.1
4 11	10 35.05	+ 1 56.2	2.209	3.029	12.8	21.3

334927 2004 AR_{22} 3 2.9 131°.64 5°.0/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.80	−10 21.7	2.416	3.191	12.6	21.4
2 11	11 11.92	−10 42.7	2.338	3.199	10.1	21.2
2 21	11 4.50	−10 46.3	2.283	3.206	7.5	21.1
3 2	10 56.16	−10 32.8	2.256	3.214	5.4	20.9
3 12	10 47.69	−10 4.9	2.257	3.221	5.2	20.9
3 22	10 39.90	− 9 26.6	2.288	3.228	7.0	21.1
4 1	10 33.47	− 8 43.2	2.345	3.235	9.5	21.2
4 11	10 28.89	− 8 0.0	2.426	3.241	11.9	21.4

426286 2012 TL_{36} 3 2.9 83°.22 3°.9/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.52	−10 9.9	2.216	3.005	13.1	21.3
2 11	11 8.96	− 9 21.2	2.145	3.019	10.3	21.1
2 21	11 2.91	− 8 10.9	2.097	3.034	7.2	20.9
3 2	10 56.03	− 6 42.1	2.077	3.048	4.5	20.8
3 12	10 49.11	− 5 1.1	2.086	3.062	4.2	20.8
3 22	10 42.92	− 3 15.3	2.125	3.077	6.6	21.0
4 1	10 38.11	− 1 32.6	2.192	3.091	9.6	21.2
4 11	10 35.11	+ 0 0.5	2.283	3.105	12.4	21.4

489522 2007 RR_{31} 3 2.9 214°.32 2°.2/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.77	− 3 45.7	2.926	3.729	9.9	23.1
2 11	11 10.34	− 3 27.3	2.829	3.719	7.5	23.0
2 21	11 3.62	− 2 56.5	2.758	3.709	4.9	22.8
3 2	10 56.10	− 2 15.3	2.717	3.698	2.5	22.6
3 12	10 48.41	− 1 27.0	2.707	3.686	3.0	22.6
3 22	10 41.17	− 0 35.7	2.727	3.674	5.6	22.8
4 1	10 34.99	+ 0 14.3	2.776	3.661	8.3	22.9
4 11	10 30.31	+ 0 59.2	2.850	3.647	10.8	23.1

31553 1999 EG_2 3 2.9 212°.08 0°.0/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.78	+ 4 32.9	1.968	2.817	12.2	20.1
2 11	11 12.20	+ 5 6.6	1.891	2.813	8.7	19.8
2 21	11 4.77	+ 5 51.6	1.839	2.810	4.7	19.6
3 2	10 56.20	+ 6 43.0	1.815	2.805	0.4	19.2
3 12	10 47.46	+ 7 34.9	1.820	2.801	4.0	19.5
3 22	10 39.50	+ 8 21.2	1.853	2.796	8.1	19.7
4 1	10 33.17	+ 8 57.5	1.913	2.792	11.8	20.0
4 11	10 29.02	+ 9 20.7	1.993	2.786	14.9	20.2

459256 2012 FZ_{46} 3 2.9 46°.30 4°.0/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 13.22	−10 14.0	1.486	2.299	17.3	21.3
2 11	11 9.31	− 8 47.7	1.419	2.311	13.4	21.1
2 21	11 3.31	− 6 47.6	1.374	2.323	9.0	20.8
3 2	10 56.08	− 4 20.1	1.356	2.335	4.9	20.6
3 12	10 48.78	− 1 37.4	1.365	2.348	4.7	20.6
3 22	10 42.53	+ 1 5.8	1.403	2.361	8.6	20.9
4 1	10 38.23	+ 3 35.8	1.467	2.374	12.9	21.2
4 11	10 36.42	+ 5 43.2	1.553	2.388	16.6	21.4

348196 2004 QA_{19} 3 2.9 233°.36 4°.9/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.33	− 9 19.4	2.436	3.212	12.5	21.3
2 11	11 13.87	− 9 45.7	2.334	3.198	10.0	21.1
2 21	11 5.66	− 9 55.9	2.256	3.183	7.4	20.9
3 2	10 56.29	− 9 49.6	2.207	3.168	5.3	20.8
3 12	10 46.58	− 9 28.8	2.187	3.152	5.2	20.7
3 22	10 37.41	− 8 57.0	2.196	3.135	7.3	20.8
4 1	10 29.58	− 8 19.1	2.233	3.118	10.1	21.0
4 11	10 23.68	− 7 40.7	2.294	3.100	12.8	21.1

60490 2000 DX_{74} 3 2.9 160°.94 0°.7/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.71	+ 3 10.2	1.887	2.730	12.9	18.8
2 11	11 13.57	+ 3 28.3	1.815	2.733	9.3	18.6
2 21	11 5.49	+ 3 58.3	1.768	2.736	5.2	18.4
3 2	10 56.27	+ 4 36.1	1.749	2.739	1.0	18.1
3 12	10 46.92	+ 5 16.2	1.759	2.742	3.9	18.3
3 22	10 38.47	+ 5 52.9	1.798	2.744	8.1	18.5
4 1	10 31.76	+ 6 21.8	1.862	2.746	11.8	18.8
4 11	10 27.37	+ 6 39.7	1.948	2.747	15.0	19.0

348478 2005 SN_{128} 3 2.9 132°.82 0°.1/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.01	+ 4 34.2	1.591	2.441	14.5	21.5
2 11	11 16.08	+ 5 1.5	1.530	2.453	10.3	21.2
2 21	11 6.88	+ 5 41.3	1.493	2.464	5.6	21.0
3 2	10 56.38	+ 6 27.8	1.484	2.475	0.5	20.6
3 12	10 45.86	+ 7 14.0	1.504	2.485	4.6	21.0
3 22	10 36.53	+ 7 53.4	1.551	2.495	9.3	21.3
4 1	10 29.37	+ 8 21.2	1.623	2.504	13.4	21.5
4 11	10 24.93	+ 8 34.9	1.715	2.513	16.8	21.8

358507 2007 RQ_{196} 3 2.9 212°.03 0°.3/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.95	+ 4 41.4	1.753	2.600	13.5	21.8
2 11	11 15.37	+ 4 58.5	1.674	2.595	9.7	21.5
2 21	11 6.56	+ 5 27.1	1.619	2.590	5.3	21.2
3 2	10 56.37	+ 6 2.7	1.592	2.583	0.6	20.9
3 12	10 45.93	+ 6 39.2	1.595	2.577	4.3	21.2
3 22	10 36.41	+ 7 11.0	1.625	2.569	8.9	21.4
4 1	10 28.83	+ 7 33.4	1.681	2.562	13.1	21.6
4 11	10 23.82	+ 7 43.5	1.757	2.553	16.5	21.8

283414 2000 SZ_{139} 3 2.9 151°.04 0°.9/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.61	+ 9 4.4	2.984	3.830	8.6	21.7
2 11	11 10.80	+ 9 28.7	2.915	3.839	6.0	21.5
2 21	11 3.80	+ 9 57.1	2.875	3.847	3.1	21.3
3 2	10 56.14	+10 26.1	2.864	3.854	0.9	21.2
3 12	10 48.46	+10 52.3	2.885	3.861	3.2	21.4
3 22	10 41.35	+11 12.8	2.936	3.868	6.0	21.5
4 1	10 35.35	+11 25.5	3.015	3.874	8.6	21.7
4 11	10 30.84	+11 29.2	3.118	3.880	10.7	21.9

53724 2000 ET_{30} 3 2.9 270°.43 5°.5/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.86	+17 2.0	1.377	2.256	14.5	19.5
2 11	11 15.78	+18 7.9	1.314	2.250	10.4	19.2
2 21	11 6.95	+19 15.2	1.275	2.244	6.6	19.0
3 2	10 56.42	+20 13.1	1.262	2.238	5.7	18.9
3 12	10 45.70	+20 52.0	1.274	2.232	9.0	19.1
3 22	10 36.27	+21 6.2	1.311	2.227	13.3	19.3
4 1	10 29.35	+20 54.6	1.370	2.221	17.3	19.5
4 11	10 25.58	+20 19.8	1.445	2.215	20.7	19.7

136877 1998 FB_{102} 3 2.9 335°.80 1°.8/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.00	+12 26.1	1.944	2.803	11.9	18.9
2 11	11 15.20	+12 20.1	1.867	2.796	8.4	18.7
2 21	11 6.40	+12 15.8	1.816	2.788	4.5	18.4
3 2	10 56.39	+12 9.1	1.793	2.782	1.8	18.2
3 12	10 46.24	+11 56.3	1.800	2.775	4.9	18.4
3 22	10 37.02	+11 34.7	1.835	2.769	8.8	18.6
4 1	10 29.60	+11 3.3	1.896	2.764	12.4	18.8
4 11	10 24.57	+10 22.0	1.978	2.759	15.5	19.0

217250 2003 TP_{11} 3 2.9 181°.43 0°.5/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.85	+ 3 8.9	2.052	2.891	12.2	21.3
2 11	11 13.59	+ 3 41.8	1.976	2.892	8.7	21.1
2 21	11 5.50	+ 4 26.6	1.925	2.893	4.8	20.8
3 2	10 56.31	+ 5 18.9	1.902	2.893	0.7	20.5
3 12	10 46.98	+ 6 12.6	1.911	2.892	3.7	20.8
3 22	10 38.44	+ 7 2.1	1.948	2.891	7.8	21.0
4 1	10 31.52	+ 7 42.7	2.011	2.889	11.4	21.2
4 11	10 26.77	+ 8 11.1	2.097	2.886	14.4	21.4

105804 2000 SY_{133} 3 2.9 44°.44 3°.3/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.43	− 3 59.6	2.116	2.933	12.7	19.4
2 11	11 11.09	− 4 8.3	2.046	2.942	9.7	19.2
2 21	11 4.11	− 4 1.8	2.000	2.951	6.4	19.0
3 2	10 56.19	− 3 41.8	1.982	2.961	3.6	18.9
3 12	10 48.20	− 3 12.1	1.992	2.971	4.0	18.9
3 22	10 40.97	− 2 37.3	2.030	2.981	7.0	19.1
4 1	10 35.24	− 2 2.6	2.095	2.991	10.1	19.3
4 11	10 31.48	− 1 32.5	2.182	3.002	13.0	19.5

346879 2009 HM_{26} 3 2.9 5°.77 2°.0/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.44	+11 10.4	2.095	2.959	10.9	21.1
2 11	11 10.43	+11 50.6	2.028	2.960	7.6	20.9
2 21	11 3.78	+12 35.7	1.986	2.960	4.1	20.7
3 2	10 56.17	+13 20.0	1.974	2.961	2.1	20.6
3 12	10 48.47	+13 58.1	1.990	2.962	4.9	20.8
3 22	10 41.55	+14 25.5	2.034	2.963	8.4	21.0
4 1	10 36.14	+14 39.5	2.103	2.965	11.6	21.2
4 11	10 32.72	+14 39.1	2.193	2.967	14.3	21.4

161744 2006 SK_{259} 3 2.9 260°.82 0°.1/ 3.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.87	+ 4 16.3	1.784	2.634	13.2	21.5
2 11	11 13.28	+ 4 48.4	1.695	2.618	9.5	21.3
2 21	11 5.53	+ 5 33.7	1.630	2.601	5.2	21.0
3 2	10 56.34	+ 6 27.4	1.593	2.584	0.5	20.6
3 12	10 46.80	+ 7 22.7	1.584	2.566	4.3	20.8
3 22	10 38.01	+ 8 12.9	1.604	2.548	9.0	21.1
4 1	10 31.00	+ 8 52.3	1.648	2.530	13.2	21.3
4 11	10 26.45	+ 9 17.2	1.713	2.511	16.8	21.5

238864 2005 WJ_{180} 3 2.9 72°.40 2°.1/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.57	− 1 2.0	1.301	2.150	17.2	20.6
2 11	11 13.94	− 0 30.1	1.248	2.167	12.6	20.4
2 21	11 5.85	+ 0 23.8	1.217	2.183	7.4	20.2
3 2	10 56.36	+ 1 33.7	1.212	2.200	2.6	19.9
3 12	10 46.89	+ 2 49.9	1.233	2.217	4.7	20.1
3 22	10 38.78	+ 4 2.6	1.279	2.233	9.7	20.4
4 1	10 33.07	+ 5 3.6	1.349	2.250	14.2	20.7
4 11	10 30.28	+ 5 47.8	1.439	2.267	18.0	21.0

407283 2010 GX_{120} 3 2.9 228°.07 1°.8/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.50	+ 8 56.8	1.663	2.525	13.4	21.9
2 11	11 14.48	+ 9 45.7	1.587	2.517	9.4	21.6
2 21	11 6.17	+10 44.2	1.535	2.509	5.0	21.3
3 2	10 56.40	+11 45.2	1.511	2.500	1.8	21.1
3 12	10 46.36	+12 40.6	1.516	2.491	5.6	21.3
3 22	10 37.28	+13 23.6	1.547	2.481	10.1	21.6
4 1	10 30.19	+13 50.0	1.603	2.471	14.3	21.8
4 11	10 25.75	+13 58.0	1.678	2.461	17.7	22.0

298758 2004 HT_{56} 3 2.9 308°.51 2°.0/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.28	− 5 50.6	2.160	2.974	12.6	20.3
2 11	11 8.28	− 4 21.0	2.066	2.964	9.5	20.1
2 21	11 2.69	− 2 28.2	1.998	2.954	5.9	19.8
3 2	10 56.11	− 0 17.4	1.959	2.945	2.5	19.6
3 12	10 49.32	+ 2 3.2	1.952	2.935	3.4	19.6
3 22	10 43.13	+ 4 23.7	1.975	2.926	7.1	19.8
4 1	10 38.28	+ 6 34.9	2.027	2.917	10.7	20.0
4 11	10 35.31	+ 8 29.7	2.103	2.908	13.9	20.2

422955 2002 WZ_4 3 2.9 140°.55 7°.1/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.49	−16 23.4	2.014	2.765	15.5	21.0
2 11	11 12.02	−16 29.1	1.936	2.773	12.9	20.8
2 21	11 4.71	−16 8.8	1.879	2.781	10.2	20.6
3 2	10 56.28	−15 22.1	1.847	2.788	7.9	20.5
3 12	10 47.71	−14 12.8	1.842	2.795	7.1	20.5
3 22	10 39.94	−12 47.4	1.864	2.801	8.5	20.6
4 1	10 33.82	−11 14.5	1.913	2.808	11.0	20.7
4 11	10 29.89	− 9 42.7	1.985	2.813	13.7	20.9

317023 2001 QD_{221} 3 2.9 195°.13 0°.9/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.09	+ 0 32.7	2.484	3.315	10.6	20.6
2 11	11 9.32	+ 1 19.7	2.402	3.314	7.7	20.5
2 21	11 3.16	+ 2 19.2	2.347	3.312	4.4	20.2
3 2	10 56.15	+ 3 27.3	2.320	3.310	1.2	20.0
3 12	10 49.02	+ 4 38.6	2.325	3.307	3.0	20.1
3 22	10 42.47	+ 5 47.6	2.359	3.305	6.4	20.3
4 1	10 37.13	+ 6 49.4	2.420	3.302	9.5	20.5
4 11	10 33.47	+ 7 40.3	2.505	3.299	12.2	20.7

279337 2009 YK_3 3 2.9 102°.70 1°.0/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.56	+ 7 9.8	2.042	2.897	11.5	20.8
2 11	11 11.20	+ 8 2.8	1.982	2.909	8.0	20.6
2 21	11 4.19	+ 9 4.1	1.948	2.921	4.2	20.4
3 2	10 56.24	+10 8.0	1.943	2.933	1.0	20.1
3 12	10 48.28	+11 8.0	1.967	2.944	4.3	20.4
3 22	10 41.14	+11 58.5	2.020	2.956	8.0	20.6
4 1	10 35.58	+12 35.8	2.098	2.967	11.4	20.9
4 11	10 32.04	+12 58.1	2.198	2.978	14.1	21.1

500412 2012 TY_{114} 3 2.9 163°.84 3°.1/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.81	− 5 59.0	2.470	3.272	11.5	22.3
2 11	11 9.83	− 5 42.2	2.389	3.275	8.9	22.2
2 21	11 3.43	− 5 9.7	2.332	3.277	6.0	22.0
3 2	10 56.19	− 4 23.6	2.303	3.280	3.5	21.8
3 12	10 48.83	− 3 28.0	2.304	3.282	3.7	21.8
3 22	10 42.07	− 2 27.8	2.333	3.283	6.2	22.0
4 1	10 36.56	− 1 28.5	2.391	3.285	9.1	22.2
4 11	10 32.75	− 0 34.8	2.472	3.286	11.8	22.4

278 Paulina 3 2.9 326°.73 5°.1/27.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.54	+17 44.3	1.621	2.500	12.7	13.2
2 11	11 12.45	+18 46.9	1.554	2.489	9.2	13.0
2 21	11 5.09	+19 50.0	1.511	2.479	6.0	12.7
3 2	10 56.34	+20 44.7	1.495	2.470	5.4	12.7
3 12	10 47.39	+21 22.9	1.506	2.460	8.2	12.8
3 22	10 39.46	+21 39.5	1.541	2.452	12.0	13.0
4 1	10 33.55	+21 32.9	1.599	2.444	15.5	13.2
4 11	10 30.29	+21 4.8	1.675	2.436	18.6	13.4

417334 2006 DX_{44} 3 2.9 76°.39 1°.7/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.39	+ 8 45.1	1.876	2.739	12.0	21.1
2 11	11 11.23	+ 9 41.3	1.816	2.747	8.4	20.9
2 21	11 4.26	+10 45.3	1.781	2.755	4.4	20.6
3 2	10 56.26	+11 50.7	1.774	2.763	1.7	20.5
3 12	10 48.21	+12 50.2	1.796	2.770	4.9	20.7
3 22	10 41.05	+13 38.1	1.845	2.778	8.8	20.9
4 1	10 35.57	+14 10.6	1.919	2.786	12.3	21.2
4 11	10 32.28	+14 26.4	2.014	2.794	15.2	21.4

39240 2000 YZ_{69} 3 2.9 129°.22 2°.4/ 5.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.40	− 2 29.7	1.960	2.787	13.2	18.9
2 11	11 11.23	− 2 9.7	1.884	2.789	9.9	18.6
2 21	11 4.29	− 1 33.1	1.833	2.792	6.2	18.4
3 2	10 56.27	− 0 43.0	1.809	2.794	2.8	18.2
3 12	10 48.11	+ 0 15.2	1.814	2.797	3.8	18.3
3 22	10 40.75	+ 1 15.1	1.847	2.799	7.4	18.5
4 1	10 34.96	+ 2 10.4	1.906	2.801	11.0	18.7
4 11	10 31.31	+ 2 56.3	1.988	2.803	14.2	18.9

284627 2007 VP_{162} 3 2.9 90°.77 0°.6/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.17	+ 6 57.9	2.247	3.099	10.8	21.0
2 11	11 10.83	+ 7 30.1	2.182	3.107	7.5	20.8
2 21	11 3.96	+ 8 9.6	2.142	3.115	4.0	20.6
3 2	10 56.24	+ 8 52.0	2.132	3.123	0.6	20.3
3 12	10 48.47	+ 9 32.3	2.152	3.131	3.7	20.6
3 22	10 41.45	+10 6.0	2.200	3.139	7.3	20.8
4 1	10 35.84	+10 29.9	2.274	3.147	10.5	21.0
4 11	10 32.10	+10 42.2	2.371	3.154	13.1	21.2

41394 2000 AW_{162} 3 2.9 179°.31 2°.8/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.90	+14 0.4	2.556	3.416	9.3	19.5
2 11	11 11.27	+15 4.4	2.488	3.417	6.5	19.3
2 21	11 4.19	+16 11.0	2.448	3.418	3.8	19.2
3 2	10 56.26	+17 14.4	2.439	3.419	2.9	19.1
3 12	10 48.25	+18 9.2	2.459	3.419	5.1	19.3
3 22	10 40.87	+18 51.3	2.509	3.418	8.0	19.4
4 1	10 34.80	+19 18.5	2.585	3.417	10.7	19.6
4 11	10 30.47	+19 30.2	2.682	3.415	13.0	19.8

153982 2002 AM_{120} 3 2.9 76°.80 0°.6/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.57	+ 3 12.4	1.800	2.644	13.4	19.7
2 11	11 14.02	+ 3 38.0	1.754	2.673	9.5	19.5
2 21	11 5.66	+ 4 15.2	1.733	2.702	5.2	19.3
3 2	10 56.38	+ 4 59.2	1.740	2.730	0.9	19.0
3 12	10 47.24	+ 5 43.6	1.776	2.759	3.8	19.3
3 22	10 39.22	+ 6 23.1	1.840	2.786	7.9	19.6
4 1	10 33.08	+ 6 53.4	1.930	2.814	11.5	19.9
4 11	10 29.24	+ 7 11.9	2.042	2.841	14.4	20.1

203485 2002 AZ_{61} 3 2.9 46°.96 0°.6/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.02	+ 3 12.1	1.224	2.090	16.9	20.5
2 11	11 13.68	+ 3 42.4	1.174	2.104	12.1	20.3
2 21	11 5.77	+ 4 30.0	1.145	2.118	6.6	20.0
3 2	10 56.40	+ 5 28.0	1.142	2.133	1.0	19.7
3 12	10 47.07	+ 6 26.8	1.164	2.148	5.0	20.0
3 22	10 39.16	+ 7 17.9	1.211	2.163	10.4	20.4
4 1	10 33.73	+ 7 54.7	1.280	2.179	15.0	20.7
4 11	10 31.32	+ 8 14.0	1.368	2.196	18.8	20.9

375371 2008 SD_{133} 3 2.9 277°.43 0°.2/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.54	+ 4 9.0	1.998	2.846	12.0	20.9
2 11	11 11.34	+ 4 37.1	1.920	2.843	8.6	20.7
2 21	11 4.35	+ 5 16.2	1.868	2.839	4.7	20.4
3 2	10 56.29	+ 6 2.1	1.844	2.835	0.6	20.1
3 12	10 48.06	+ 6 49.1	1.849	2.832	3.8	20.3
3 22	10 40.59	+ 7 31.6	1.883	2.828	7.8	20.6
4 1	10 34.68	+ 8 5.0	1.941	2.824	11.5	20.8
4 11	10 30.88	+ 8 26.5	2.022	2.821	14.6	21.0

423659 2005 YG_{108} 3 2.9 136°.24 0°.4/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.72	+ 3 8.5	2.367	3.204	10.9	22.5
2 11	11 11.83	+ 3 46.4	2.302	3.218	7.7	22.3
2 21	11 4.47	+ 4 34.4	2.263	3.231	4.2	22.1
3 2	10 56.29	+ 5 28.1	2.253	3.244	0.6	21.8
3 12	10 48.08	+ 6 22.5	2.274	3.256	3.2	22.1
3 22	10 40.61	+ 7 12.6	2.325	3.268	6.7	22.3
4 1	10 34.52	+ 7 54.3	2.403	3.279	9.9	22.5
4 11	10 30.26	+ 8 25.2	2.505	3.289	12.5	22.7

504507 2008 NB_2 3 2.9 315°.81 17°.6/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.63	−29 47.4	1.686	2.342	21.3	20.1
2 11	11 20.69	−32 47.0	1.592	2.319	20.0	19.9
2 21	11 10.23	−35 21.5	1.515	2.297	18.7	19.8
3 2	10 56.86	−37 19.0	1.459	2.275	17.8	19.6
3 12	10 41.92	−38 30.9	1.424	2.253	17.6	19.6
3 22	10 27.25	−38 54.7	1.409	2.232	18.2	19.5
4 1	10 14.79	−38 35.4	1.412	2.212	19.5	19.6
4 11	10 6.00	−37 44.9	1.432	2.192	21.2	19.6

151276 2002 AD_{182} 3 2.9 301.°67 7.°2/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.68	+22 41.4	1.685	2.563	12.4	19.2
2 11	11 12.66	+24 13.7	1.614	2.543	9.4	19.0
2 21	11 5.28	+25 43.4	1.569	2.524	7.4	18.8
3 2	10 56.38	+26 59.8	1.550	2.505	7.7	18.8
3 12	10 47.16	+27 53.4	1.557	2.485	10.3	18.9
3 22	10 38.87	+28 19.1	1.587	2.467	13.6	19.0
4 1	10 32.61	+28 15.8	1.639	2.448	16.8	19.2
4 11	10 29.06	+27 46.0	1.708	2.430	19.6	19.4

503762 2016 OS_4 3 2.9 347.°93 3.°8/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.71	− 4 14.3	2.091	2.903	13.0	20.7
2 11	11 12.83	− 4 44.5	2.009	2.901	10.0	20.5
2 21	11 5.16	− 5 0.2	1.951	2.899	6.8	20.3
3 2	10 56.36	− 5 2.1	1.921	2.897	4.2	20.1
3 12	10 47.37	− 4 52.6	1.919	2.895	4.5	20.1
3 22	10 39.11	− 4 35.6	1.946	2.894	7.4	20.3
4 1	10 32.39	− 4 15.9	1.999	2.893	10.6	20.5
4 11	10 27.77	− 3 58.0	2.074	2.892	13.6	20.7

388728 2007 VC_{223} 3 2.9 14.°29 1.°0/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.03	+ 7 20.7	1.861	2.724	12.1	20.7
2 11	11 10.32	+ 8 2.6	1.795	2.726	8.5	20.4
2 21	11 3.81	+ 8 53.6	1.755	2.729	4.5	20.2
3 2	10 56.25	+ 9 48.0	1.741	2.732	1.0	19.9
3 12	10 48.60	+10 39.0	1.757	2.735	4.5	20.2
3 22	10 41.80	+11 21.1	1.799	2.739	8.5	20.4
4 1	10 36.64	+11 50.2	1.866	2.744	12.1	20.7
4 11	10 33.64	+12 4.3	1.954	2.748	15.2	20.9

388405 2006 WS_{42} 3 2.9 213.°03 1.°3/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.28	+ 9 7.2	2.719	3.572	9.1	21.4
2 11	11 9.39	+ 9 56.4	2.640	3.567	6.3	21.3
2 21	11 3.19	+10 51.4	2.589	3.562	3.3	21.0
3 2	10 56.20	+11 47.5	2.568	3.557	1.3	20.9
3 12	10 49.10	+12 40.1	2.578	3.551	3.8	21.1
3 22	10 42.54	+13 25.1	2.617	3.545	6.8	21.2
4 1	10 37.11	+13 59.2	2.682	3.539	9.6	21.4
4 11	10 33.24	+14 21.0	2.771	3.532	11.9	21.6

379749 2011 GU_{75} 3 2.9 281.°25 1.°5/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.49	+ 8 9.1	1.947	2.809	11.7	21.0
2 11	11 10.62	+ 9 10.0	1.877	2.808	8.2	20.8
2 21	11 3.98	+10 20.0	1.833	2.807	4.3	20.5
3 2	10 56.27	+11 32.5	1.817	2.807	1.6	20.3
3 12	10 48.43	+12 40.3	1.831	2.806	4.8	20.6
3 22	10 41.38	+13 37.0	1.871	2.805	8.7	20.8
4 1	10 35.92	+14 18.4	1.937	2.804	12.2	21.0
4 11	10 32.57	+14 42.7	2.024	2.803	15.2	21.2

83748 2001 TT_{136} 3 2.9 213.°40 4.°5/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.48	+20 28.7	2.548	3.413	9.2	19.7
2 11	11 11.05	+21 35.8	2.482	3.408	6.7	19.5
2 21	11 4.11	+22 41.0	2.443	3.402	4.8	19.4
3 2	10 56.29	+23 38.1	2.434	3.396	4.7	19.4
3 12	10 48.35	+24 21.8	2.454	3.390	6.6	19.5
3 22	10 41.06	+24 48.9	2.502	3.384	9.1	19.7
4 1	10 35.11	+24 58.1	2.574	3.377	11.6	19.8
4 11	10 30.96	+24 50.1	2.666	3.370	13.7	20.0

309266 2007 RT_{102} 3 2.9 132.°78 0.°3/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.28	+ 3 19.3	1.846	2.689	13.1	21.7
2 11	11 13.97	+ 4 0.3	1.783	2.703	9.4	21.5
2 21	11 5.74	+ 4 53.9	1.746	2.716	5.1	21.3
3 2	10 56.42	+ 5 54.6	1.738	2.729	0.6	21.0
3 12	10 47.08	+ 6 55.6	1.759	2.740	4.0	21.3
3 22	10 38.72	+ 7 50.3	1.808	2.752	8.2	21.6
4 1	10 32.17	+ 8 33.9	1.883	2.762	12.0	21.8
4 11	10 27.95	+ 9 3.4	1.980	2.772	15.1	22.0

72324 2001 BM_{54} 3 2.9 242.°69 1.°0/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.27	+ 2 37.9	2.211	3.047	11.5	19.6
2 11	11 12.48	+ 2 48.8	2.123	3.037	8.4	19.4
2 21	11 4.97	+ 3 10.2	2.060	3.027	4.8	19.2
3 2	10 56.37	+ 3 39.2	2.027	3.016	1.2	18.9
3 12	10 47.56	+ 4 11.5	2.023	3.005	3.4	19.1
3 22	10 39.40	+ 4 42.4	2.048	2.994	7.2	19.3
4 1	10 32.68	+ 5 7.8	2.100	2.983	10.7	19.5
4 11	10 27.96	+ 5 24.6	2.174	2.971	13.7	19.6

98503 2000 VK_{15} 3 2.9 27.°16 4.°0/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.80	− 4 48.4	1.142	1.993	18.9	18.4
2 11	11 10.88	− 4 28.1	1.088	2.003	14.4	18.1
2 21	11 4.37	− 3 38.5	1.054	2.014	9.3	17.9
3 2	10 56.32	− 2 24.4	1.043	2.026	4.7	17.6
3 12	10 48.21	− 0 55.9	1.056	2.040	5.4	17.7
3 22	10 41.45	+ 0 34.7	1.093	2.054	10.1	18.0
4 1	10 37.14	+ 1 56.3	1.152	2.069	14.8	18.3
4 11	10 35.85	+ 3 0.6	1.231	2.085	18.8	18.6

345620 2006 SX_{244} 3 2.9 171.°26 1.°8/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.19	+11 49.8	2.718	3.573	9.0	21.5
2 11	11 10.68	+12 29.0	2.648	3.576	6.3	21.4
2 21	11 3.85	+13 11.3	2.606	3.578	3.4	21.2
3 2	10 56.27	+13 52.4	2.594	3.580	1.9	21.1
3 12	10 48.63	+14 28.0	2.612	3.581	4.1	21.2
3 22	10 41.59	+14 54.8	2.660	3.582	7.0	21.4
4 1	10 35.75	+15 10.5	2.734	3.583	9.7	21.6
4 11	10 31.53	+15 14.3	2.831	3.584	11.9	21.8

84868 2003 BX_{17} 3 2.9 247.°36 1.°1/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.14	+ 6 55.7	2.082	2.935	11.4	19.6
2 11	11 11.84	+ 7 52.8	1.993	2.920	8.1	19.4
2 21	11 4.69	+ 9 0.3	1.930	2.904	4.3	19.1
3 2	10 56.36	+10 12.8	1.897	2.887	1.1	18.9
3 12	10 47.75	+11 23.0	1.893	2.870	4.5	19.1
3 22	10 39.79	+12 24.6	1.918	2.852	8.5	19.3
4 1	10 33.32	+13 12.7	1.968	2.834	12.1	19.5
4 11	10 28.95	+13 44.6	2.040	2.815	15.2	19.6

170851 2004 FA_{103} 3 2.9 124.°03 0.°0/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.36	+ 4 31.1	2.328	3.173	10.7	21.1
2 11	11 10.27	+ 5 6.2	2.257	3.178	7.6	20.9
2 21	11 3.70	+ 5 50.6	2.212	3.183	4.1	20.7
3 2	10 56.27	+ 6 40.2	2.196	3.187	0.4	20.4
3 12	10 48.77	+ 7 29.7	2.211	3.192	3.4	20.7
3 22	10 41.95	+ 8 14.4	2.254	3.197	6.9	20.9
4 1	10 36.47	+ 8 50.5	2.324	3.201	10.1	21.1
4 11	10 32.78	+ 9 15.4	2.416	3.205	12.7	21.3

80495 2000 AO_{48} 3 2.9 152.°41 1.°3/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.78	+ 7 44.8	1.685	2.540	13.6	20.6
2 11	11 15.92	+ 8 30.8	1.622	2.549	9.5	20.4
2 21	11 6.87	+ 9 26.1	1.584	2.557	5.0	20.2
3 2	10 56.55	+10 24.1	1.575	2.565	1.3	19.9
3 12	10 46.17	+11 17.0	1.595	2.572	5.1	20.2
3 22	10 36.89	+11 58.7	1.642	2.578	9.5	20.5
4 1	10 29.68	+12 25.2	1.714	2.583	13.5	20.7
4 11	10 25.09	+12 35.1	1.807	2.588	16.7	20.9

463545 2013 RA_{45} 3 2.9 131.°42 4.°5/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.35	−10 6.3	2.051	2.842	14.0	21.1
2 11	11 10.47	− 9 41.9	1.973	2.847	11.1	20.9
2 21	11 3.89	− 8 54.9	1.918	2.853	7.9	20.7
3 2	10 56.30	− 7 47.6	1.890	2.858	5.2	20.6
3 12	10 48.58	− 6 25.3	1.889	2.863	4.8	20.6
3 22	10 41.62	− 4 55.1	1.918	2.868	7.3	20.7
4 1	10 36.17	− 3 25.0	1.973	2.873	10.4	20.9
4 11	10 32.74	− 2 2.2	2.052	2.878	13.4	21.1

113727 2002 TO_{141} 3 2.9 222.°47 3.°6/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.64	+16 28.1	2.095	2.953	11.2	19.9
2 11	11 16.38	+17 7.1	2.016	2.942	8.0	19.6
2 21	11 7.11	+17 46.4	1.963	2.931	4.9	19.4
3 2	10 56.59	+18 19.6	1.940	2.919	3.8	19.3
3 12	10 45.86	+18 40.9	1.947	2.906	6.3	19.4
3 22	10 35.99	+18 46.9	1.983	2.893	9.7	19.6
4 1	10 27.87	+18 36.3	2.043	2.878	13.0	19.8
4 11	10 22.10	+18 9.8	2.125	2.863	15.8	20.0

254482 2005 EE_{14} 3 2.9 293.°57 2.°7/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.34	+11 30.8	1.505	2.376	14.0	20.5
2 11	11 14.70	+12 8.2	1.423	2.357	9.9	20.2
2 21	11 6.48	+12 53.0	1.364	2.339	5.4	19.9
3 2	10 56.54	+13 37.5	1.332	2.320	2.8	19.6
3 12	10 46.19	+14 13.7	1.327	2.301	6.5	19.8
3 22	10 36.80	+14 35.0	1.348	2.283	11.3	20.0
4 1	10 29.58	+14 37.9	1.392	2.264	15.8	20.3
4 11	10 25.30	+14 21.6	1.454	2.246	19.6	20.5

330984 2009 TH_{41} 3 2.9 139.°50 2.°6/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.42	+13 12.7	2.068	2.929	11.2	20.8
2 11	11 13.95	+13 50.2	2.007	2.936	7.8	20.6
2 21	11 5.71	+14 30.2	1.972	2.944	4.4	20.4
3 2	10 56.47	+15 7.0	1.966	2.951	2.7	20.3
3 12	10 47.21	+15 35.2	1.989	2.957	5.3	20.5
3 22	10 38.86	+15 51.0	2.041	2.964	8.8	20.7
4 1	10 32.20	+15 52.7	2.118	2.970	12.0	20.9
4 11	10 27.71	+15 40.2	2.216	2.975	14.6	21.1

441845 2009 VU_{73} 3 2.9 149.°63 1.°0/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 12.64	+ 9 14.7	3.173	4.024	7.9	22.0
2 11	11 8.07	+ 9 48.3	3.100	4.026	5.5	21.8
2 21	11 2.43	+10 26.1	3.055	4.028	2.9	21.6
3 2	10 56.19	+11 4.6	3.040	4.029	1.0	21.5
3 12	10 49.89	+11 40.4	3.056	4.031	3.1	21.7
3 22	10 44.06	+12 10.3	3.101	4.032	5.8	21.8
4 1	10 39.18	+12 32.2	3.174	4.034	8.2	22.0
4 11	10 35.62	+12 44.7	3.270	4.035	10.2	22.2

347128 2010 JQ_{175} 3 2.9 227°.54 3°.5/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.21	+17 5.5	2.637	3.501	8.9	21.3
2 11	11 10.15	+18 14.2	2.564	3.493	6.4	21.1
2 21	11 3.66	+19 23.7	2.518	3.484	4.1	21.0
3 2	10 56.30	+20 28.3	2.503	3.475	3.8	20.9
3 12	10 48.81	+21 22.5	2.517	3.465	5.8	21.1
3 22	10 41.89	+22 2.5	2.560	3.456	8.4	21.2
4 1	10 36.19	+22 26.2	2.628	3.446	11.0	21.4
4 11	10 32.18	+22 33.5	2.717	3.435	13.1	21.5

439771 2015 GK_9 3 2.9 332°.87 10°.0/20.8 17

2 1	11 16.90	+31 42.6	1.708	2.577	12.7	19.9
2 11	11 12.16	+33 24.1	1.653	2.561	10.8	19.7
2 21	11 5.03	+34 52.9	1.623	2.546	10.0	19.6
3 2	10 56.43	+35 58.1	1.617	2.531	10.9	19.6
3 12	10 47.63	+36 31.8	1.635	2.517	12.9	19.7
3 22	10 39.92	+36 31.4	1.675	2.504	15.5	19.9
4 1	10 34.36	+35 58.4	1.733	2.492	18.0	20.0
4 11	10 31.58	+34 57.8	1.806	2.481	20.2	20.2

306914 2001 TR_{226} 3 2.9 118°.34 1°.8/29.9 18

2 1	11 17.09	+ 8 0.0	2.021	2.878	11.6	20.8
2 11	11 11.62	+ 9 25.0	1.965	2.894	8.0	20.6
2 21	11 4.47	+10 58.5	1.936	2.910	4.2	20.4
3 2	10 56.37	+12 32.9	1.936	2.925	1.8	20.3
3 12	10 48.26	+14 0.1	1.967	2.939	4.9	20.5
3 22	10 41.00	+15 13.8	2.026	2.953	8.6	20.8
4 1	10 35.34	+16 9.9	2.111	2.967	11.9	21.0
4 11	10 31.74	+16 47.0	2.217	2.980	14.5	21.2

328633 2009 SB_{203} 3 2.9 152°.68 2°.0/29.8 18

2 1	11 18.77	+11 11.1	2.234	3.091	10.6	21.6
2 11	11 12.71	+11 59.7	2.170	3.099	7.4	21.4
2 21	11 5.03	+12 52.8	2.133	3.106	4.0	21.2
3 2	10 56.42	+13 44.7	2.126	3.113	2.1	21.0
3 12	10 47.77	+14 29.8	2.149	3.119	4.8	21.2
3 22	10 39.92	+15 3.7	2.200	3.124	8.1	21.5
4 1	10 33.57	+15 24.0	2.277	3.130	11.2	21.7
4 11	10 29.21	+15 29.9	2.376	3.134	13.8	21.9

73257 2002 JM_{44} 3 2.9 287°.46 3°.7/ 5.6 18

2 1	11 18.79	− 3 13.8	1.530	2.363	15.9	19.4
2 11	11 13.58	− 3 18.4	1.441	2.348	12.2	19.1
2 21	11 5.89	− 3 2.6	1.375	2.333	7.9	18.8
3 2	10 56.52	− 2 27.9	1.334	2.317	4.2	18.5
3 12	10 46.70	− 1 39.5	1.320	2.302	5.0	18.5
3 22	10 37.72	− 0 44.6	1.332	2.287	9.4	18.7
4 1	10 30.77	+ 0 8.6	1.368	2.272	13.9	19.0
4 11	10 26.64	+ 0 52.9	1.425	2.257	17.9	19.2

195255 2002 EU_{50} 3 2.9 43°.22 0°.2/ 2.8 18

2 1	11 19.52	+ 4 56.5	1.154	2.027	17.2	19.9
2 11	11 14.11	+ 5 27.9	1.110	2.044	12.2	19.6
2 21	11 6.05	+ 6 14.8	1.087	2.061	6.5	19.3
3 2	10 56.53	+ 7 9.2	1.089	2.080	0.5	19.0
3 12	10 47.14	+ 8 1.6	1.116	2.099	5.4	19.4
3 22	10 39.29	+ 8 43.6	1.167	2.119	10.8	19.7
4 1	10 34.05	+ 9 9.8	1.241	2.139	15.4	20.1
4 11	10 31.90	+ 9 17.9	1.332	2.159	19.2	20.4

123065 2000 SY_{303} 3 2.9 134°.37 3°.1/ 5.7 18

2 1	11 19.19	− 3 23.8	2.002	2.819	13.3	20.5
2 11	11 13.19	− 3 27.0	1.928	2.826	10.1	20.3
2 21	11 5.38	− 3 14.3	1.879	2.832	6.5	20.1
3 2	10 56.49	− 2 47.8	1.856	2.837	3.5	19.9
3 12	10 47.47	− 2 11.6	1.863	2.843	4.1	20.0
3 22	10 39.28	− 1 31.0	1.898	2.848	7.4	20.2
4 1	10 32.71	− 0 51.6	1.960	2.853	10.9	20.4
4 11	10 28.32	− 0 18.2	2.044	2.858	13.9	20.6

430488 2001 TG_{39} 3 2.9 128°.74 9°.3/17.3 17

2 1	11 16.17	−30 54.1	2.855	3.467	14.1	21.1
2 11	11 10.86	−31 26.4	2.774	3.478	12.8	21.0
2 21	11 4.06	−31 34.1	2.710	3.488	11.4	20.9
3 2	10 56.38	−31 15.2	2.668	3.499	10.2	20.8
3 12	10 48.55	−30 30.5	2.649	3.508	9.4	20.8
3 22	10 41.35	−29 23.2	2.656	3.518	9.4	20.8
4 1	10 35.42	−27 58.8	2.687	3.527	10.1	20.8
4 11	10 31.26	−26 24.7	2.742	3.536	11.3	20.9

368729 2005 UN_{98} 3 2.9 94°.73 2°.2/ 5.2 18

2 1	11 17.41	− 2 39.9	1.939	2.764	13.4	21.3
2 11	11 11.87	− 2 4.1	1.880	2.784	9.9	21.1
2 21	11 4.62	− 1 11.2	1.845	2.804	6.1	20.9
3 2	10 56.42	− 0 5.7	1.837	2.823	2.6	20.8
3 12	10 48.23	+ 1 6.1	1.859	2.842	3.6	20.9
3 22	10 40.95	+ 2 17.1	1.909	2.860	7.3	21.1
4 1	10 35.31	+ 3 21.2	1.986	2.878	10.8	21.4
4 11	10 31.78	+ 4 13.6	2.086	2.896	13.8	21.6

206303 2003 HT 3 2.9 162°.47 1°.1/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.34	+ 7 0.6	1.958	2.809	12.2	21.3
2 11	11 14.03	+ 7 58.3	1.891	2.816	8.5	21.1
2 21	11 5.84	+ 9 5.5	1.850	2.823	4.5	20.9
3 2	10 56.55	+10 15.9	1.838	2.828	1.1	20.6
3 12	10 47.17	+11 22.1	1.857	2.833	4.6	20.9
3 22	10 38.68	+12 18.1	1.904	2.837	8.6	21.2
4 1	10 31.90	+12 59.6	1.976	2.840	12.2	21.4
4 11	10 27.38	+13 24.8	2.070	2.843	15.1	21.6

100483 NAOJ 3 2.9 82°.67 1°.8/ 1.4 18

2 1	11 20.17	+ 9 48.9	1.816	2.677	12.5	20.0
2 11	11 13.84	+10 31.3	1.769	2.699	8.7	19.8
2 21	11 5.67	+11 19.5	1.747	2.721	4.6	19.6
3 2	10 56.53	+12 7.1	1.754	2.742	1.8	19.4
3 12	10 47.50	+12 47.8	1.789	2.764	5.0	19.7
3 22	10 39.55	+13 16.8	1.852	2.785	8.9	20.0
4 1	10 33.46	+13 31.6	1.940	2.806	12.3	20.2
4 11	10 29.68	+13 31.6	2.049	2.826	15.1	20.5

112879 2002 QG_{41} 3 2.9 191°.91 1°.1/ 1.8 18

2 1	11 19.10	+ 7 27.8	2.069	2.921	11.6	21.1
2 11	11 13.15	+ 8 18.8	1.994	2.919	8.1	20.9
2 21	11 5.39	+ 9 18.7	1.944	2.917	4.3	20.7
3 2	10 56.52	+10 21.8	1.924	2.914	1.1	20.4
3 12	10 47.50	+11 21.4	1.934	2.911	4.4	20.6
3 22	10 39.25	+12 11.8	1.973	2.907	8.3	20.9
4 1	10 32.59	+12 48.9	2.038	2.902	11.8	21.1
4 11	10 28.06	+13 10.8	2.124	2.897	14.8	21.3

334910 2003 YJ_3 3 2.9 41°.50 1°.2/ 3.8 18

2 1	11 21.68	+ 4 3.2	1.849	2.692	13.1	19.5
2 11	11 14.99	+ 3 43.6	1.784	2.702	9.5	19.2
2 21	11 6.35	+ 3 33.4	1.744	2.712	5.4	19.0
3 2	10 56.60	+ 3 30.0	1.732	2.722	1.4	18.8
3 12	10 46.83	+ 3 29.8	1.750	2.733	3.8	19.0
3 22	10 38.05	+ 3 29.2	1.796	2.744	7.9	19.2
4 1	10 31.13	+ 3 25.0	1.867	2.755	11.6	19.5
4 11	10 26.57	+ 3 14.6	1.961	2.766	14.7	19.7

191979 2005 WZ_{62} 3 2.9 167°.22 0°.2/ 3.2 18

2 1	11 20.67	+ 2 51.4	1.861	2.702	13.1	21.4
2 11	11 14.36	+ 3 44.1	1.790	2.708	9.4	21.1
2 21	11 6.07	+ 4 50.8	1.744	2.713	5.1	20.9
3 2	10 56.58	+ 6 5.7	1.727	2.718	0.6	20.6
3 12	10 46.97	+ 7 21.3	1.740	2.721	4.1	20.8
3 22	10 38.27	+ 8 30.2	1.781	2.724	8.4	21.1
4 1	10 31.36	+ 9 26.6	1.849	2.725	12.3	21.3
4 11	10 26.80	+10 7.4	1.938	2.726	15.5	21.6

459477 2013 CE_{41} 3 2.9 89°.93 0°.9/ 2.2 18

2 1	11 19.31	+ 5 14.1	1.394	2.258	15.3	21.9
2 11	11 13.77	+ 6 17.2	1.339	2.270	10.8	21.7
2 21	11 5.85	+ 7 35.2	1.308	2.282	5.7	21.4
3 2	10 56.56	+ 8 59.2	1.303	2.294	0.9	21.1
3 12	10 47.25	+10 19.0	1.326	2.306	5.4	21.5
3 22	10 39.19	+11 25.7	1.374	2.317	10.3	21.8
4 1	10 33.38	+12 13.6	1.446	2.329	14.7	22.1
4 11	10 30.39	+12 40.5	1.537	2.340	18.2	22.3

465656 2009 RB_{50} 3 2.9 127°.38 0°.5/ 2.5 18

2 1	11 18.45	+ 6 1.5	2.050	2.899	11.7	22.5
2 11	11 12.59	+ 6 38.3	1.986	2.910	8.3	22.3
2 21	11 5.03	+ 7 24.1	1.947	2.919	4.4	22.1
3 2	10 56.49	+ 8 13.9	1.938	2.929	0.5	21.8
3 12	10 47.91	+ 9 1.7	1.958	2.938	3.9	22.1
3 22	10 40.18	+ 9 42.6	2.007	2.947	7.8	22.3
4 1	10 34.04	+10 12.6	2.081	2.955	11.2	22.5
4 11	10 29.99	+10 29.7	2.178	2.963	14.1	22.8

354816 2005 WA_{30} 3 2.9 9°.51 3°.4/ 6.9 17

2 1	11 14.30	− 6 26.9	2.525	3.325	11.4	21.0
2 11	11 9.52	− 6 26.7	2.442	3.325	8.9	20.8
2 21	11 3.35	− 6 11.6	2.384	3.325	6.1	20.7
3 2	10 56.35	− 5 43.0	2.353	3.326	3.8	20.5
3 12	10 49.22	− 5 4.2	2.351	3.326	3.9	20.5
3 22	10 42.66	− 4 19.4	2.378	3.327	6.2	20.7
4 1	10 37.29	− 3 33.4	2.432	3.328	8.9	20.8
4 11	10 33.59	− 2 50.8	2.510	3.328	11.5	21.0

320519 2007 YO_{22} 3 2.9 21°.59 0°.4/ 2.7 18

2 1	11 16.96	+ 5 3.9	1.310	2.180	15.7	20.9
2 11	11 12.27	+ 5 43.5	1.252	2.185	11.2	20.7
2 21	11 5.12	+ 6 38.3	1.216	2.190	6.0	20.4
3 2	10 56.52	+ 7 40.9	1.205	2.196	0.5	20.0
3 12	10 47.82	+ 8 41.9	1.220	2.203	5.2	20.4
3 22	10 40.34	+ 9 32.9	1.261	2.210	10.4	20.7
4 1	10 35.15	+10 8.0	1.323	2.218	14.9	21.0
4 11	10 32.82	+10 24.3	1.405	2.227	18.7	21.2

179130 2001 SM_{282} 3 2.9 222°.57 2°.0/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.70	+11 34.5	2.100	2.955	11.3	20.8
2 11	11 15.02	+12 3.3	2.019	2.946	7.9	20.5
2 21	11 6.42	+12 36.4	1.965	2.937	4.3	20.3
3 2	10 56.64	+13 8.4	1.940	2.927	2.0	20.1
3 12	10 46.66	+13 34.1	1.945	2.917	4.9	20.3
3 22	10 37.46	+13 49.2	1.978	2.906	8.7	20.5
4 1	10 29.92	+13 51.5	2.037	2.894	12.2	20.7
4 11	10 24.60	+13 40.2	2.118	2.882	15.1	20.9

183459 2003 BL_{46} 3 2.9 82°.91 4°.3/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.76	−10 51.1	1.818	2.608	15.5	20.1
2 11	11 12.15	− 9 53.7	1.763	2.638	12.1	20.0
2 21	11 4.78	− 8 30.3	1.731	2.669	8.4	19.8
3 2	10 56.48	− 6 45.7	1.726	2.698	5.1	19.7
3 12	10 48.27	− 4 48.3	1.750	2.727	4.7	19.7
3 22	10 41.09	− 2 47.9	1.804	2.756	7.5	19.9
4 1	10 35.69	− 0 54.2	1.884	2.784	10.9	20.2
4 11	10 32.50	+ 0 45.7	1.989	2.811	13.9	20.4

362315 2009 UN_{140} 3 2.9 348°.16 3°.4/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 11.73	− 8 57.0	3.092	3.873	10.0	20.6
2 11	11 7.53	− 8 48.7	3.004	3.873	7.9	20.5
2 21	11 2.22	− 8 26.4	2.941	3.872	5.7	20.3
3 2	10 56.26	− 7 51.5	2.906	3.872	3.8	20.2
3 12	10 50.21	− 7 6.7	2.901	3.871	3.6	20.2
3 22	10 44.59	− 6 15.7	2.924	3.871	5.3	20.3
4 1	10 39.92	− 5 22.6	2.976	3.871	7.5	20.4
4 11	10 36.57	− 4 31.7	3.053	3.871	9.7	20.6

26808 1982 VB_4 3 2.9 18°.75 3°.1/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.01	+11 34.6	1.307	2.188	15.0	17.3
2 11	11 13.02	+12 22.7	1.254	2.193	10.5	17.1
2 21	11 5.52	+13 17.6	1.223	2.198	5.7	16.8
3 2	10 56.56	+14 10.5	1.217	2.204	3.2	16.7
3 12	10 47.56	+14 52.3	1.237	2.211	6.9	16.9
3 22	10 39.87	+15 16.6	1.282	2.219	11.6	17.2
4 1	10 34.54	+15 20.7	1.348	2.227	15.8	17.4
4 11	10 32.13	+15 4.6	1.433	2.236	19.3	17.7

432183 2009 CR_{57} 3 2.9 99°.82 0°.8/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.21	+ 3 28.2	2.296	3.134	11.1	20.9
2 11	11 12.29	+ 3 35.2	2.227	3.143	8.0	20.7
2 21	11 4.83	+ 3 51.2	2.185	3.152	4.5	20.5
3 2	10 56.50	+ 4 13.2	2.171	3.161	1.0	20.2
3 12	10 48.13	+ 4 37.1	2.188	3.170	3.2	20.4
3 22	10 40.50	+ 4 59.2	2.233	3.179	6.7	20.7
4 1	10 34.29	+ 5 15.9	2.306	3.188	9.9	20.9
4 11	10 29.98	+ 5 24.8	2.401	3.196	12.6	21.1

54315 2000 JU_{75} 3 2.9 298°.60 2°.1/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.00	+ 7 26.8	1.325	2.200	15.3	18.7
2 11	11 12.54	+ 8 38.2	1.250	2.186	10.8	18.4
2 21	11 5.44	+10 5.7	1.197	2.173	5.7	18.0
3 2	10 56.58	+11 40.0	1.171	2.160	2.1	17.8
3 12	10 47.32	+13 9.1	1.170	2.147	6.5	18.0
3 22	10 39.10	+14 22.5	1.194	2.134	11.9	18.3
4 1	10 33.16	+15 13.1	1.241	2.122	16.7	18.5
4 11	10 30.27	+15 38.3	1.305	2.110	20.7	18.7

184783 2005 TU_{39} 3 2.9 205°.82 1°.2/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.19	+ 8 1.7	2.248	3.099	10.8	21.2
2 11	11 12.43	+ 8 50.2	2.169	3.094	7.6	21.0
2 21	11 4.99	+ 9 46.5	2.116	3.088	4.0	20.7
3 2	10 56.53	+10 45.4	2.092	3.082	1.2	20.5
3 12	10 47.89	+11 40.8	2.099	3.075	4.2	20.7
3 22	10 39.94	+12 27.7	2.135	3.067	7.9	20.9
4 1	10 33.42	+13 2.3	2.197	3.059	11.2	21.1
4 11	10 28.87	+13 22.7	2.281	3.050	14.0	21.3

410045 2007 AV_3 3 2.9 75°.91 1°.6/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.36	+ 9 14.5	1.728	2.584	13.2	20.7
2 11	11 16.00	+ 9 55.7	1.693	2.621	9.2	20.5
2 21	11 6.78	+10 42.7	1.683	2.656	4.8	20.4
3 2	10 56.67	+11 28.9	1.702	2.691	1.6	20.2
3 12	10 46.83	+12 7.9	1.750	2.726	4.9	20.5
3 22	10 38.29	+12 35.1	1.826	2.760	8.9	20.8
4 1	10 31.80	+12 48.4	1.928	2.793	12.3	21.1
4 11	10 27.76	+12 47.3	2.050	2.826	15.1	21.4

462619 2009 PV_8 3 2.9 120°.70 0°.3/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.81	+ 6 22.9	2.273	3.115	11.0	21.3
2 11	11 14.05	+ 6 47.5	2.215	3.135	7.8	21.2
2 21	11 5.74	+ 7 19.3	2.183	3.154	4.1	21.0
3 2	10 56.59	+ 7 54.0	2.181	3.172	0.4	20.7
3 12	10 47.48	+ 8 26.9	2.210	3.189	3.6	21.0
3 22	10 39.22	+ 8 54.1	2.268	3.206	7.1	21.2
4 1	10 32.50	+ 9 12.6	2.354	3.223	10.3	21.5
4 11	10 27.75	+ 9 20.7	2.462	3.238	12.9	21.7

374135 2004 TO_{130} 3 2.9 192°.71 0°.7/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.94	+ 6 35.2	2.483	3.329	10.1	21.9
2 11	11 11.40	+ 7 24.7	2.404	3.327	7.1	21.7
2 21	11 4.39	+ 8 22.4	2.353	3.325	3.7	21.5
3 2	10 56.48	+ 9 23.4	2.331	3.321	0.7	21.3
3 12	10 48.43	+10 22.5	2.340	3.317	3.7	21.5
3 22	10 41.00	+11 14.7	2.379	3.313	7.1	21.7
4 1	10 34.85	+11 56.2	2.444	3.308	10.1	21.9
4 11	10 30.45	+12 25.0	2.533	3.302	12.7	22.1

330473 2007 ET_{204} 3 2.9 89°.15 0°.9/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.72	+ 7 22.9	1.804	2.662	12.7	21.7
2 11	11 12.98	+ 7 58.6	1.742	2.670	8.9	21.4
2 21	11 5.32	+ 8 43.0	1.706	2.679	4.7	21.2
3 2	10 56.56	+ 9 30.4	1.697	2.687	0.9	20.9
3 12	10 47.76	+10 14.4	1.717	2.696	4.5	21.2
3 22	10 39.92	+10 49.4	1.764	2.704	8.7	21.5
4 1	10 33.88	+11 11.9	1.836	2.712	12.4	21.7
4 11	10 30.15	+11 20.0	1.929	2.720	15.4	21.9

55358 2001 SP_{161} 3 2.9 233°.68 2°.3/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.21	− 1 35.8	1.806	2.639	13.8	18.8
2 11	11 12.04	− 1 15.1	1.729	2.638	10.3	18.6
2 21	11 4.90	− 0 36.9	1.675	2.636	6.3	18.3
3 2	10 56.54	+ 0 15.1	1.647	2.634	2.6	18.1
3 12	10 47.98	+ 1 15.1	1.649	2.632	3.9	18.1
3 22	10 40.25	+ 2 16.1	1.677	2.630	8.0	18.4
4 1	10 34.24	+ 3 11.5	1.732	2.628	11.9	18.6
4 11	10 30.53	+ 3 56.0	1.808	2.625	15.3	18.8

157108 2004 LF_5 3 2.9 306°.55 2°.6/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.50	− 3 11.7	1.338	2.183	17.0	19.8
2 11	11 12.08	− 2 24.6	1.265	2.179	12.8	19.6
2 21	11 5.13	− 1 10.4	1.213	2.176	7.9	19.3
3 2	10 56.57	+ 0 25.5	1.186	2.173	3.1	19.0
3 12	10 47.72	+ 2 12.8	1.185	2.170	4.7	19.1
3 22	10 39.94	+ 3 59.4	1.210	2.167	9.9	19.3
4 1	10 34.38	+ 5 34.1	1.259	2.164	14.7	19.6
4 11	10 31.74	+ 6 49.0	1.328	2.161	18.9	19.9

17530 1993 FZ_{23} 3 2.9 217°.59 3°.2/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.71	+18 13.4	2.902	3.758	8.5	18.7
2 11	11 12.50	+18 48.2	2.825	3.749	6.1	18.5
2 21	11 4.92	+19 21.7	2.776	3.740	3.9	18.3
3 2	10 56.54	+19 49.6	2.758	3.731	3.3	18.3
3 12	10 48.06	+20 8.1	2.770	3.721	5.1	18.4
3 22	10 40.17	+20 14.6	2.812	3.711	7.6	18.5
4 1	10 33.48	+20 8.3	2.880	3.701	10.0	18.7
4 11	10 28.42	+19 49.3	2.970	3.690	12.1	18.8

33875 Laurencooney 3 2.9 242°.31 4°.9/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.61	+16 19.8	1.576	2.449	13.4	19.1
2 11	11 15.52	+17 31.1	1.505	2.439	9.6	18.9
2 21	11 6.92	+18 45.2	1.460	2.429	6.0	18.6
3 2	10 56.74	+19 52.3	1.441	2.418	5.2	18.5
3 12	10 46.28	+20 42.9	1.450	2.407	8.2	18.7
3 22	10 36.88	+21 11.3	1.485	2.396	12.3	18.9
4 1	10 29.67	+21 15.2	1.542	2.384	16.1	19.1
4 11	10 25.33	+20 56.2	1.616	2.372	19.3	19.3

408877 2001 TO_{138} 3 2.9 98°.39 2°.3/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.27	+11 32.7	1.964	2.822	11.8	21.5
2 11	11 14.52	+12 22.4	1.919	2.848	8.2	21.4
2 21	11 6.02	+13 15.7	1.900	2.873	4.4	21.2
3 2	10 56.64	+14 6.3	1.911	2.897	2.4	21.1
3 12	10 47.38	+14 48.1	1.951	2.921	5.2	21.3
3 22	10 39.17	+15 17.0	2.019	2.944	8.7	21.6
4 1	10 32.75	+15 30.9	2.113	2.967	11.9	21.8
4 11	10 28.55	+15 29.8	2.228	2.989	14.5	22.0

436981 2012 TN_{199} 3 2.9 53°.27 3°.8/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.99	+17 6.1	2.019	2.887	11.1	20.7
2 11	11 13.01	+17 45.2	1.965	2.896	7.9	20.5
2 21	11 5.27	+18 23.4	1.937	2.905	4.9	20.4
3 2	10 56.58	+18 54.5	1.938	2.915	4.0	20.3
3 12	10 47.92	+19 13.4	1.967	2.925	6.3	20.5
3 22	10 40.21	+19 17.2	2.023	2.935	9.4	20.7
4 1	10 34.20	+19 4.9	2.103	2.945	12.4	20.9
4 11	10 30.36	+18 37.5	2.204	2.955	14.9	21.1

61264 2000 OH_{29} 3 2.9 124°.25 0°.4/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.51	+ 3 51.7	2.127	2.972	11.6	19.2
2 11	11 11.20	+ 5 7.8	2.064	2.986	8.1	19.0
2 21	11 4.31	+ 6 35.6	2.029	3.000	4.3	18.8
3 2	10 56.50	+ 8 8.7	2.023	3.014	0.5	18.5
3 12	10 48.66	+ 9 39.6	2.048	3.027	3.9	18.8
3 22	10 41.60	+11 1.5	2.102	3.039	7.6	19.1
4 1	10 36.02	+12 9.3	2.182	3.051	11.0	19.3
4 11	10 32.40	+13 0.3	2.285	3.063	13.7	19.5

260752 2005 MS_{21} 3 2.9 205°.89 1°.0/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.80	+ 1 57.2	1.995	2.833	12.5	21.5
2 11	11 13.03	+ 2 21.6	1.914	2.829	9.1	21.3
2 21	11 5.40	+ 2 59.0	1.858	2.825	5.2	21.0
3 2	10 56.61	+ 3 45.5	1.831	2.821	1.3	20.7
3 12	10 47.63	+ 4 35.5	1.833	2.816	3.7	20.9
3 22	10 39.41	+ 5 23.2	1.864	2.811	7.8	21.1
4 1	10 32.80	+ 6 3.4	1.921	2.805	11.5	21.4
4 11	10 28.37	+ 6 32.5	1.999	2.799	14.7	21.6

33976 2000 NL_{19} 3 2.9 284°.68 1°.9/ 4.3 18

2 1	11 19.54	+ 0 46.0	1.449	2.298	15.7	18.8
2 11	11 14.26	+ 0 56.8	1.363	2.282	11.7	18.5
2 21	11 6.37	+ 1 26.1	1.300	2.267	6.9	18.2
3 2	10 56.72	+ 2 10.1	1.262	2.251	2.3	17.8
3 12	10 46.59	+ 3 2.1	1.251	2.235	4.7	17.9
3 22	10 37.37	+ 3 54.2	1.265	2.219	9.9	18.2
4 1	10 30.30	+ 4 38.7	1.304	2.203	14.8	18.4
4 11	10 26.18	+ 5 9.9	1.361	2.187	18.9	18.6

239797 3037 T-$_3$ 3 2.9 95°.17 1°.3/ 1.6 18

2 1	11 18.11	+ 9 8.3	2.241	3.094	10.7	21.1
2 11	11 12.19	+ 9 48.6	2.188	3.115	7.4	20.9
2 21	11 4.77	+10 34.3	2.162	3.135	3.9	20.7
3 2	10 56.56	+11 20.3	2.166	3.155	1.3	20.6
3 12	10 48.39	+12 1.3	2.199	3.174	4.1	20.8
3 22	10 41.05	+12 33.4	2.262	3.194	7.5	21.0
4 1	10 35.21	+12 53.8	2.350	3.213	10.5	21.3
4 11	10 31.27	+13 1.5	2.461	3.231	13.1	21.5

238499 2004 SA_{30} 3 2.9 180°.80 1°.6/ 1.8 18

2 1	11 23.07	+ 9 15.7	1.771	2.626	13.0	20.3
2 11	11 16.20	+ 9 48.9	1.701	2.628	9.2	20.1
2 21	11 7.14	+10 29.4	1.656	2.629	4.9	19.8
3 2	10 56.78	+11 11.1	1.639	2.629	1.6	19.6
3 12	10 46.28	+11 47.3	1.652	2.628	5.1	19.8
3 22	10 36.80	+12 12.9	1.693	2.627	9.4	20.1
4 1	10 29.28	+12 24.7	1.758	2.625	13.3	20.3
4 11	10 24.32	+12 21.6	1.845	2.623	16.5	20.5

330293 2006 TK_{22} 3 2.9 73°.59 1°.4/ 1.8 18

2 1	11 19.68	+ 7 44.6	1.589	2.452	13.8	21.5
2 11	11 13.75	+ 8 35.5	1.542	2.473	9.6	21.3
2 21	11 5.75	+ 9 35.6	1.520	2.494	5.0	21.1
3 2	10 56.66	+10 37.3	1.524	2.514	1.4	20.9
3 12	10 47.65	+11 32.9	1.557	2.535	5.1	21.2
3 22	10 39.84	+12 16.0	1.617	2.555	9.4	21.5
4 1	10 34.07	+12 43.2	1.701	2.576	13.2	21.8
4 11	10 30.81	+12 53.3	1.805	2.596	16.3	22.0

486703 2013 YQ_{104} 3 2.9 188°.03 15°.3/13.5 18

2 1	11 25.36	−25 59.0	1.410	2.118	22.9	20.8
2 11	11 18.84	−27 47.1	1.336	2.118	20.6	20.6
2 21	11 9.07	−28 58.8	1.277	2.118	18.2	20.4
3 2	10 57.00	−29 25.3	1.237	2.117	16.2	20.3
3 12	10 44.22	−29 3.3	1.218	2.115	15.3	20.2
3 22	10 32.54	−27 57.1	1.220	2.113	15.8	20.2
4 1	10 23.54	−26 18.2	1.243	2.111	17.6	20.3
4 11	10 18.20	−24 22.2	1.284	2.108	20.0	20.5

377187 2003 UV_{255} 3 2.9 120°.09 1°.3/ 1.6 17

2 1	11 17.37	+ 8 51.3	2.165	3.020	11.0	22.0
2 11	11 11.81	+ 9 32.6	2.101	3.028	7.6	21.8
2 21	11 4.65	+10 20.2	2.063	3.036	4.0	21.6
3 2	10 56.56	+11 9.0	2.054	3.044	1.3	21.4
3 12	10 48.43	+11 53.4	2.075	3.051	4.3	21.6
3 22	10 41.09	+12 28.8	2.125	3.058	7.8	21.8
4 1	10 35.24	+12 52.0	2.200	3.065	11.0	22.0
4 11	10 31.35	+13 1.8	2.297	3.072	13.7	22.2

271184 2003 SF_{298} 3 2.9 153°.05 3°.0/28.9 18

2 1	11 18.56	+14 23.6	2.170	3.033	10.6	20.7
2 11	11 12.69	+15 10.6	2.107	3.037	7.5	20.5
2 21	11 5.14	+15 59.5	2.070	3.040	4.3	20.3
3 2	10 56.62	+16 44.5	2.062	3.044	3.1	20.2
3 12	10 48.05	+17 19.8	2.083	3.047	5.5	20.4
3 22	10 40.28	+17 41.8	2.133	3.049	8.8	20.6
4 1	10 34.08	+17 48.5	2.207	3.052	11.8	20.8
4 11	10 29.91	+17 39.9	2.303	3.054	14.4	20.9

462392 2008 SC_{208} 3 2.9 193°.39 6°.8/21.9 17

2 1	11 20.82	+32 35.6	2.905	3.746	8.9	22.1
2 11	11 14.13	+33 52.8	2.854	3.743	7.5	22.0
2 21	11 5.87	+35 0.1	2.830	3.739	6.8	21.9
3 2	10 56.69	+35 51.3	2.835	3.735	7.3	22.0
3 12	10 47.43	+36 22.2	2.868	3.730	8.7	22.0
3 22	10 38.89	+36 31.3	2.926	3.724	10.4	22.1
4 1	10 31.77	+36 19.4	3.007	3.718	12.0	22.3
4 11	10 26.55	+35 49.0	3.105	3.711	13.5	22.4

386941 2011 PJ_{10} 3 2.9 162°.31 1°.5/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 14.51	+ 9 9.0	2.631	3.485	9.3	21.3
2 11	11 9.63	+10 8.6	2.561	3.489	6.5	21.1
2 21	11 3.44	+11 14.1	2.519	3.492	3.4	21.0
3 2	10 56.47	+12 20.4	2.507	3.495	1.5	20.8
3 12	10 49.43	+13 22.3	2.526	3.498	4.0	21.0
3 22	10 42.96	+14 15.3	2.573	3.500	7.0	21.2
4 1	10 37.67	+14 56.2	2.648	3.502	9.8	21.4
4 11	10 33.98	+15 23.5	2.745	3.504	12.1	21.5

503565 2016 FT_{57} 3 2.9 274°.08 5°.1/ 7.9 17

2 1	11 15.86	− 9 51.1	1.861	2.657	15.0	21.2
2 11	11 11.22	− 9 39.7	1.765	2.643	12.0	21.0
2 21	11 4.57	− 9 3.9	1.692	2.628	8.7	20.7
3 2	10 56.60	− 8 4.6	1.644	2.613	5.8	20.5
3 12	10 48.26	− 6 46.3	1.623	2.597	5.4	20.5
3 22	10 40.60	− 5 16.6	1.630	2.582	8.2	20.6
4 1	10 34.56	− 3 44.4	1.663	2.567	11.8	20.8
4 11	10 30.82	− 2 18.1	1.718	2.551	15.3	21.0

5772 Johnlambert 3 2.9 258°.03 6°.9/ 8.8 18

2 1	11 18.98	−12 43.8	1.923	2.696	15.4	17.4
2 11	11 13.42	−13 15.5	1.828	2.685	12.7	17.2
2 21	11 5.77	−13 24.6	1.756	2.672	9.8	17.0
3 2	10 56.71	−13 9.7	1.709	2.660	7.5	16.8
3 12	10 47.25	−12 32.8	1.688	2.647	7.0	16.8
3 22	10 38.46	−11 38.9	1.694	2.635	9.0	16.9
4 1	10 31.34	−10 35.4	1.726	2.622	12.0	17.0
4 11	10 26.58	− 9 30.5	1.780	2.608	15.0	17.2

17361 1978 UF_7 3 2.9 234°.71 3°.9/ 8.2 18

2 1	11 14.21	−10 22.5	2.908	3.679	10.8	19.8
2 11	11 9.43	−10 7.0	2.805	3.666	8.6	19.7
2 21	11 3.36	− 9 35.3	2.726	3.652	6.3	19.5
3 2	10 56.48	− 8 48.3	2.676	3.638	4.3	19.3
3 12	10 49.41	− 7 49.1	2.655	3.624	4.0	19.3
3 22	10 42.77	− 6 42.0	2.664	3.609	5.8	19.4
4 1	10 37.15	− 5 32.0	2.701	3.594	8.3	19.5
4 11	10 33.01	− 4 24.4	2.764	3.578	10.7	19.6

352115 2007 DD_{32} 3 2.9 242°.56 0°.8/ 2.0 17

2 1	11 15.65	+ 8 42.6	2.775	3.625	9.0	21.3
2 11	11 10.40	+ 9 3.9	2.695	3.620	6.3	21.1
2 21	11 3.84	+ 9 30.0	2.643	3.615	3.3	20.9
3 2	10 56.52	+ 9 57.5	2.620	3.610	0.8	20.7
3 12	10 49.10	+10 22.6	2.628	3.605	3.3	20.9
3 22	10 42.22	+10 42.2	2.665	3.600	6.4	21.1
4 1	10 36.47	+10 53.9	2.729	3.595	9.1	21.3
4 11	10 32.28	+10 56.2	2.817	3.590	11.5	21.4

240878 2006 DN_{29} 3 2.9 205°.06 2°.2/29.9 18

2 1	11 20.01	+ 9 27.3	1.854	2.713	12.3	20.9
2 11	11 14.06	+10 36.0	1.778	2.708	8.7	20.7
2 21	11 6.04	+11 53.7	1.729	2.702	4.6	20.4
3 2	10 56.73	+13 12.9	1.709	2.696	2.2	20.3
3 12	10 47.20	+14 25.3	1.718	2.689	5.5	20.5
3 22	10 38.51	+15 24.1	1.755	2.682	9.7	20.7
4 1	10 31.61	+16 5.1	1.816	2.673	13.4	20.9
4 11	10 27.10	+16 26.6	1.898	2.664	16.5	21.1

388367 2006 UR_{47} 3 2.9 125°.13 1°.1/ 4.1 17

2 1	11 18.82	+ 2 26.4	2.479	3.309	10.6	21.0
2 11	11 12.68	+ 2 25.0	2.406	3.316	7.7	20.9
2 21	11 5.08	+ 2 32.4	2.359	3.323	4.5	20.7
3 2	10 56.64	+ 2 46.2	2.341	3.330	1.4	20.4
3 12	10 48.14	+ 3 3.1	2.354	3.337	3.0	20.6
3 22	10 40.31	+ 3 19.6	2.397	3.343	6.3	20.8
4 1	10 33.82	+ 3 32.6	2.468	3.350	9.4	21.0
4 11	10 29.12	+ 3 39.5	2.562	3.356	12.0	21.2

17691 1997 CF_{17} 3 2.9 52°.23 1°.7/ 4.7 18

2 1	11 15.99	− 0 5.0	2.084	2.917	12.2	18.5
2 11	11 10.88	+ 0 9.3	2.019	2.930	9.0	18.3
2 21	11 4.17	+ 0 36.7	1.979	2.942	5.4	18.1
3 2	10 56.56	+ 1 13.9	1.967	2.954	2.0	17.9
3 12	10 48.91	+ 1 56.2	1.984	2.967	3.4	18.0
3 22	10 42.04	+ 2 38.3	2.029	2.980	6.9	18.2
4 1	10 36.66	+ 3 15.4	2.100	2.993	10.3	18.5
4 11	10 33.24	+ 3 44.0	2.194	3.006	13.1	18.7

47900 2000 GS_{48} 3 2.9 54°.93 0°.6/ 2.4 18

2 1	11 17.09	+ 6 31.1	1.870	2.727	12.4	18.8
2 11	11 11.77	+ 7 5.6	1.813	2.740	8.7	18.6
2 21	11 4.68	+ 7 49.1	1.781	2.754	4.6	18.4
3 2	10 56.61	+ 8 36.3	1.777	2.767	0.6	18.1
3 12	10 48.53	+ 9 20.9	1.801	2.782	4.2	18.4
3 22	10 41.38	+ 9 57.6	1.854	2.796	8.2	18.6
4 1	10 35.92	+10 22.8	1.931	2.810	11.7	18.9
4 11	10 32.63	+10 34.5	2.030	2.825	14.6	19.1

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

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