495841 2001 XD_{15} 3 4.9 135°.28 5°.7/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.36	+21 7.1	2.242	3.093	10.8	21.5
2 11	11 21.76	+22 46.3	2.193	3.107	8.2	21.3
2 21	11 14.37	+24 22.7	2.172	3.121	6.1	21.2
3 2	11 5.87	+25 48.1	2.179	3.134	5.9	21.2
3 12	10 57.17	+26 55.5	2.216	3.146	7.6	21.4
3 22	10 49.17	+27 40.9	2.280	3.157	10.1	21.5
4 1	10 42.63	+28 3.3	2.368	3.168	12.5	21.7
4 11	10 38.09	+28 4.1	2.475	3.179	14.6	21.9

422193 2014 RS_{41} 3 4.9 146°.66 0°.1/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.52	+ 3 11.2	2.029	2.853	12.9	21.9
2 11	11 22.69	+ 3 46.4	1.957	2.863	9.5	21.7
2 21	11 14.95	+ 4 33.4	1.911	2.873	5.6	21.4
3 2	11 6.02	+ 5 27.7	1.893	2.882	1.3	21.2
3 12	10 56.83	+ 6 23.3	1.905	2.891	2.9	21.3
3 22	10 48.33	+ 7 14.1	1.946	2.899	7.0	21.6
4 1	10 41.34	+ 7 55.4	2.014	2.906	10.7	21.8
4 11	10 36.44	+ 8 24.2	2.105	2.912	13.8	22.0

178626 2000 GT_{68} 3 4.9 236°.69 2°.8/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.79	+11 23.3	1.837	2.687	12.9	20.5
2 11	11 22.47	+12 10.1	1.760	2.681	9.3	20.3
2 21	11 14.98	+13 3.4	1.708	2.675	5.5	20.0
3 2	11 6.05	+13 56.4	1.684	2.670	2.8	19.9
3 12	10 56.72	+14 41.9	1.688	2.663	5.1	20.0
3 22	10 48.07	+15 14.3	1.720	2.657	9.1	20.2
4 1	10 41.07	+15 29.9	1.776	2.651	12.8	20.4
4 11	10 36.39	+15 27.9	1.854	2.644	16.0	20.6

307245 2002 JK_{125} 3 4.9 339°.06 2°.2/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.69	+ 9 44.6	1.411	2.268	15.6	19.9
2 11	11 24.35	+10 8.7	1.341	2.265	11.4	19.6
2 21	11 16.27	+10 41.4	1.293	2.262	6.6	19.3
3 2	11 6.37	+11 15.7	1.271	2.260	2.4	19.1
3 12	10 56.00	+11 43.9	1.275	2.257	5.1	19.2
3 22	10 46.57	+11 59.8	1.306	2.255	10.1	19.5
4 1	10 39.30	+11 59.7	1.359	2.254	14.6	19.8
4 11	10 34.93	+11 42.5	1.432	2.252	18.5	20.0

71033 1999 XU_{70} 3 4.9 120°.26 0°.4/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.97	+ 2 17.0	2.112	2.938	12.4	19.4
2 11	11 20.07	+ 2 49.1	2.039	2.945	9.1	19.2
2 21	11 13.43	+ 3 33.3	1.990	2.951	5.4	19.0
3 2	11 5.67	+ 4 25.7	1.968	2.958	1.5	18.7
3 12	10 57.66	+ 5 20.4	1.977	2.964	2.7	18.8
3 22	10 50.25	+ 6 11.9	2.014	2.970	6.6	19.1
4 1	10 44.20	+ 6 55.2	2.078	2.976	10.1	19.3
4 11	10 40.06	+ 7 27.0	2.165	2.982	13.1	19.5

129806 1999 KL_{11} 3 4.9 260°.32 1°.7/ 3.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.29	+ 7 3.7	1.668	2.515	14.1	20.7
2 11	11 22.42	+ 7 57.9	1.579	2.499	10.3	20.4
2 21	11 15.14	+ 9 5.4	1.515	2.483	6.0	20.1
3 2	11 6.13	+10 19.3	1.477	2.466	1.9	19.8
3 12	10 56.50	+11 31.0	1.467	2.449	4.6	20.0
3 22	10 47.46	+12 32.2	1.485	2.432	9.4	20.2
4 1	10 40.14	+13 16.7	1.527	2.414	13.8	20.4
4 11	10 35.35	+13 41.4	1.590	2.396	17.5	20.6

418281 2008 EC_{113} 3 4.9 328°.18 4°.7/ 9.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.99	−10 33.3	1.637	2.429	16.9	21.7
2 11	11 18.48	− 9 57.8	1.551	2.425	13.6	21.5
2 21	11 12.77	− 8 52.8	1.486	2.421	9.8	21.2
3 2	11 5.56	− 7 20.1	1.446	2.417	6.1	21.0
3 12	10 57.88	− 5 26.6	1.432	2.413	4.8	20.9
3 22	10 50.84	− 3 22.7	1.446	2.410	7.7	21.1
4 1	10 45.44	− 1 20.2	1.485	2.407	11.7	21.3
4 11	10 42.40	+ 0 30.6	1.548	2.404	15.5	21.5

350606 2001 SK_{11} 3 4.9 81°.90 2°.0/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.89	+ 0 3.5	1.430	2.255	17.2	21.2
2 11	11 27.00	+ 0 1.7	1.380	2.282	12.9	20.9
2 21	11 17.57	+ 0 17.4	1.351	2.309	8.0	20.7
3 2	11 6.63	+ 0 46.5	1.348	2.335	3.1	20.5
3 12	10 55.58	+ 1 22.9	1.373	2.360	3.6	20.6
3 22	10 45.77	+ 1 59.4	1.425	2.386	8.3	20.9
4 1	10 38.23	+ 2 29.9	1.503	2.410	12.6	21.2
4 11	10 33.54	+ 2 50.0	1.601	2.435	16.2	21.5

12932 Conedera 3 4.9 174°.14 1°.3/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.01	+ 7 3.6	2.072	2.907	12.2	19.4
2 11	11 22.36	+ 7 55.3	1.997	2.911	8.9	19.2
2 21	11 14.80	+ 8 56.4	1.947	2.913	5.1	19.0
3 2	11 6.00	+10 1.1	1.926	2.915	1.5	18.7
3 12	10 56.90	+11 2.9	1.935	2.917	3.8	18.9
3 22	10 48.43	+11 55.6	1.973	2.917	7.6	19.1
4 1	10 41.42	+12 35.0	2.038	2.917	11.2	19.4
4 11	10 36.47	+12 58.9	2.125	2.916	14.2	19.6

456838 2007 UU_4 3 4.9 96°.81 0°.7/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.68	+ 1 55.1	1.647	2.476	15.1	21.9
2 11	11 23.78	+ 2 22.8	1.588	2.496	11.2	21.7
2 21	11 15.66	+ 3 5.3	1.553	2.515	6.7	21.5
3 2	11 6.19	+ 3 57.6	1.545	2.534	1.9	21.2
3 12	10 56.54	+ 4 52.5	1.565	2.552	3.2	21.3
3 22	10 47.82	+ 5 43.2	1.613	2.571	7.8	21.6
4 1	10 40.99	+ 6 23.8	1.687	2.588	11.9	21.9
4 11	10 36.62	+ 6 50.9	1.782	2.605	15.2	22.2

394372 2007 DZ_{56} 3 4.9 150°.00 0°.7/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.87	+ 4 12.5	1.703	2.537	14.5	22.0
2 11	11 23.99	+ 5 7.8	1.635	2.547	10.6	21.8
2 21	11 15.85	+ 6 17.1	1.592	2.557	6.1	21.5
3 2	11 6.25	+ 7 33.7	1.575	2.565	1.4	21.2
3 12	10 56.34	+ 8 49.3	1.589	2.573	3.8	21.4
3 22	10 47.27	+ 9 55.9	1.630	2.580	8.4	21.7
4 1	10 40.01	+10 47.8	1.697	2.586	12.5	22.0
4 11	10 35.21	+11 21.9	1.786	2.591	15.9	22.2

203462 2001 YM_{124} 3 4.9 142°.63 3°.2/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.36	− 3 45.1	1.707	2.513	15.7	20.0
2 11	11 24.39	− 3 46.5	1.633	2.521	12.2	19.8
2 21	11 16.11	− 3 29.1	1.581	2.529	8.1	19.6
3 2	11 6.33	− 2 54.8	1.556	2.537	4.2	19.4
3 12	10 56.17	− 2 8.9	1.559	2.544	3.8	19.3
3 22	10 46.81	− 1 17.9	1.590	2.550	7.6	19.6
4 1	10 39.26	− 0 28.8	1.647	2.556	11.6	19.8
4 11	10 34.20	+ 0 12.4	1.726	2.561	15.1	20.1

80229 1999 VA_{171} 3 4.9 179°.06 0°.3/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.35	+ 4 28.4	1.752	2.582	14.3	20.6
2 11	11 25.11	+ 5 1.8	1.675	2.585	10.5	20.3
2 21	11 16.55	+ 5 47.9	1.622	2.586	6.1	20.1
3 2	11 6.44	+ 6 41.4	1.597	2.587	1.4	19.8
3 12	10 55.92	+ 7 35.3	1.601	2.587	3.6	19.9
3 22	10 46.16	+ 8 22.9	1.634	2.586	8.2	20.2
4 1	10 38.20	+ 8 58.8	1.692	2.584	12.4	20.4
4 11	10 32.74	+ 9 19.9	1.773	2.581	15.9	20.7

227820 2007 BL_{101} 3 4.9 207°.26 1°.0/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.69	+ 6 48.7	2.100	2.936	12.0	21.3
2 11	11 21.42	+ 7 25.9	2.019	2.933	8.8	21.1
2 21	11 14.28	+ 8 12.1	1.963	2.929	5.0	20.8
3 2	11 5.90	+ 9 2.5	1.935	2.925	1.3	20.5
3 12	10 57.18	+ 9 51.2	1.937	2.920	3.5	20.7
3 22	10 49.02	+10 32.7	1.968	2.915	7.4	20.9
4 1	10 42.27	+11 2.9	2.025	2.910	11.0	21.1
4 11	10 37.51	+11 19.4	2.105	2.904	14.0	21.3

363012 1988 PH_4 3 5.0 185°.82 0°.8/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.61	− 0 19.0	2.951	3.751	9.9	22.5
2 11	11 20.15	+ 0 21.9	2.860	3.751	7.4	22.3
2 21	11 13.35	+ 1 13.9	2.795	3.750	4.6	22.1
3 2	11 5.66	+ 2 13.9	2.761	3.748	1.6	21.9
3 12	10 57.73	+ 3 17.7	2.758	3.745	2.1	21.9
3 22	10 50.18	+ 4 20.8	2.787	3.741	5.1	22.1
4 1	10 43.61	+ 5 18.8	2.846	3.737	8.0	22.3
4 11	10 38.47	+ 6 8.4	2.930	3.731	10.4	22.5

23668 Eunbekim 3 5.0 351°.23 0°.6/ 4.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.97	+ 5 42.6	1.299	2.158	16.6	18.3
2 11	11 21.80	+ 6 2.1	1.229	2.153	12.2	18.0
2 21	11 14.88	+ 6 35.8	1.180	2.149	7.1	17.7
3 2	11 6.08	+ 7 17.7	1.155	2.146	1.6	17.4
3 12	10 56.77	+ 7 59.6	1.156	2.143	4.3	17.6
3 22	10 48.37	+ 8 33.7	1.182	2.141	9.7	17.9
4 1	10 42.12	+ 8 53.9	1.231	2.141	14.6	18.1
4 11	10 38.81	+ 8 57.1	1.299	2.141	18.8	18.4

225611 2000 YY_{77} 3 5.0 128°.70 3°.4/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.50	− 6 52.5	2.286	3.066	13.0	20.5
2 11	11 21.07	− 6 48.5	2.209	3.079	10.2	20.3
2 21	11 13.97	− 6 27.7	2.157	3.092	7.1	20.1
3 2	11 5.82	− 5 51.7	2.131	3.104	4.3	20.0
3 12	10 57.42	− 5 4.4	2.135	3.115	3.7	20.0
3 22	10 49.61	− 4 10.8	2.169	3.126	6.1	20.1
4 1	10 43.11	− 3 16.7	2.230	3.137	9.1	20.3
4 11	10 38.44	− 2 27.1	2.315	3.147	11.9	20.5

87046 2000 KT_{12} 3 5.0 131°.09 3°.6/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.55	− 5 33.0	1.609	2.415	16.6	19.8
2 11	11 23.19	− 5 23.9	1.537	2.423	12.9	19.6
2 21	11 15.47	− 4 52.4	1.486	2.431	8.7	19.4
3 2	11 6.20	− 4 0.9	1.461	2.439	4.8	19.2
3 12	10 56.55	− 2 55.4	1.463	2.447	4.2	19.1
3 22	10 47.71	− 1 44.0	1.492	2.454	7.8	19.4
4 1	10 40.74	− 0 35.2	1.547	2.461	11.9	19.6
4 11	10 36.31	+ 0 23.8	1.624	2.467	15.6	19.9

227810 2007 BM_{43} 3 5.0 257°.12 2°.9/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.31	+10 43.3	1.972	2.822	12.1	20.4
2 11	11 20.65	+11 56.3	1.885	2.807	8.8	20.1
2 21	11 13.96	+13 18.3	1.824	2.791	5.2	19.9
3 2	11 5.86	+14 41.9	1.791	2.775	2.9	19.7
3 12	10 57.27	+15 58.9	1.787	2.759	5.3	19.8
3 22	10 49.19	+17 2.2	1.811	2.742	9.1	20.0
4 1	10 42.56	+17 47.0	1.860	2.726	12.7	20.2
4 11	10 38.04	+18 11.4	1.930	2.708	15.9	20.4

148256 2000 FL_{16} 3 5.0 26°.49 1°.7/ 3.5 18

2 1	11 22.84	+ 5 21.3	1.366	2.226	15.8	19.1
2 11	11 19.28	+ 6 38.4	1.306	2.232	11.5	18.8
2 21	11 13.28	+ 8 12.1	1.269	2.239	6.5	18.6
3 2	11 5.69	+ 9 53.1	1.257	2.246	1.9	18.3
3 12	10 57.77	+11 29.6	1.272	2.255	4.9	18.5
3 22	10 50.76	+12 51.4	1.312	2.263	9.9	18.8
4 1	10 45.71	+13 51.5	1.376	2.273	14.3	19.1
4 11	10 43.28	+14 27.0	1.459	2.283	18.0	19.3

28567 2000 EA_{61} 3 5.0 278°.04 1°.8/ 3.8 18

2 1	11 32.41	+10 28.4	1.739	2.582	13.8	19.0
2 11	11 26.09	+10 34.5	1.650	2.567	10.2	18.7
2 21	11 17.25	+10 45.8	1.584	2.551	5.9	18.4
3 2	11 6.65	+10 57.3	1.546	2.535	2.0	18.1
3 12	10 55.47	+11 3.6	1.537	2.519	4.5	18.2
3 22	10 44.95	+11 0.3	1.556	2.503	9.0	18.5
4 1	10 36.26	+10 44.6	1.601	2.487	13.3	18.7
4 11	10 30.19	+10 15.8	1.666	2.471	16.9	18.9

371958 2008 FX_{49} 3 5.0 272°.98 0°.4/ 4.7 17

2 1	11 26.12	+ 4 31.6	1.758	2.598	13.9	21.6
2 11	11 21.40	+ 5 6.1	1.673	2.587	10.2	21.3
2 21	11 14.45	+ 5 53.9	1.611	2.577	6.0	21.1
3 2	11 5.99	+ 6 49.9	1.576	2.566	1.3	20.7
3 12	10 57.03	+ 7 47.2	1.569	2.555	3.5	20.9
3 22	10 48.67	+ 8 38.7	1.590	2.545	8.2	21.1
4 1	10 41.93	+ 9 18.7	1.636	2.534	12.4	21.3
4 11	10 37.52	+ 9 43.4	1.704	2.523	16.0	21.5

275678 2000 RY_{13} 3 5.0 135°.20 3°.2/ 8.6 18

2 1	11 25.90	− 6 48.9	2.292	3.074	13.0	20.9
2 11	11 20.64	− 6 32.2	2.215	3.086	10.2	20.7
2 21	11 13.73	− 5 58.1	2.161	3.098	7.0	20.5
3 2	11 5.77	− 5 8.8	2.135	3.110	4.1	20.4
3 12	10 57.59	− 4 8.6	2.139	3.121	3.4	20.4
3 22	10 49.97	− 3 3.3	2.172	3.131	6.0	20.5
4 1	10 43.65	− 1 58.7	2.233	3.141	9.1	20.7
4 11	10 39.14	− 1 0.3	2.319	3.150	11.9	20.9

16398 Hummel 3 5.0 190°.02 0°.7/ 4.3 18

2 1	11 28.42	+ 5 1.5	2.083	2.912	12.4	19.3
2 11	11 22.71	+ 5 51.4	2.001	2.911	9.1	19.0
2 21	11 15.05	+ 6 52.7	1.944	2.909	5.2	18.8
3 2	11 6.11	+ 8 0.1	1.916	2.906	1.2	18.5
3 12	10 56.80	+ 9 6.9	1.919	2.903	3.4	18.7
3 22	10 48.07	+10 6.7	1.951	2.898	7.4	18.9
4 1	10 40.78	+10 54.5	2.009	2.893	11.1	19.1
4 11	10 35.56	+11 27.4	2.091	2.887	14.2	19.3

353704 2011 UK_{394} 3 5.0 326°.07 4°.4/28.6 18

2 1	11 23.06	+18 32.1	2.416	3.271	10.0	20.5
2 11	11 18.61	+19 37.2	2.349	3.268	7.4	20.4
2 21	11 12.57	+20 42.3	2.307	3.265	5.1	20.2
3 2	11 5.51	+21 40.9	2.295	3.263	4.5	20.2
3 12	10 58.20	+22 27.5	2.311	3.260	6.1	20.3
3 22	10 51.42	+22 58.1	2.354	3.257	8.7	20.4
4 1	10 45.86	+23 10.7	2.422	3.255	11.3	20.6
4 11	10 42.03	+23 5.8	2.511	3.252	13.6	20.7

466910 2015 FA_{1} 3 5.0 217°.12 3°.5/ 1.6 17

2 1	11 27.29	+14 34.3	2.023	2.874	11.8	20.7
2 11	11 21.91	+15 20.2	1.952	2.873	8.6	20.5
2 21	11 14.58	+16 8.9	1.906	2.871	5.3	20.3
3 2	11 5.99	+16 53.7	1.889	2.870	3.5	20.2
3 12	10 57.11	+17 28.5	1.901	2.868	5.5	20.3
3 22	10 48.91	+17 48.9	1.940	2.867	8.9	20.5
4 1	10 42.23	+17 52.5	2.004	2.865	12.1	20.7
4 11	10 37.67	+17 39.4	2.089	2.863	15.0	20.9

389451 2010 CU_{196} 3 5.0 216°.90 1°.5/ 3.6 18

2 1	11 31.09	+11 18.8	2.623	3.452	10.2	21.0
2 11	11 24.27	+11 20.9	2.536	3.446	7.4	20.8
2 21	11 15.80	+11 25.5	2.477	3.441	4.3	20.6
3 2	11 6.27	+11 29.1	2.447	3.435	1.6	20.4
3 12	10 56.48	+11 28.5	2.450	3.429	3.3	20.5
3 22	10 47.21	+11 21.1	2.483	3.423	6.5	20.7
4 1	10 39.19	+11 5.5	2.544	3.416	9.5	20.9
4 11	10 32.94	+10 40.9	2.630	3.409	12.1	21.1

251016 2006 QA_{30} 3 5.0 252°.45 1°.8/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.60	+ 7 57.1	1.823	2.667	13.2	20.7
2 11	11 22.49	+ 8 49.6	1.733	2.651	9.7	20.4
2 21	11 15.13	+ 9 53.3	1.667	2.635	5.6	20.2
3 2	11 6.17	+11 1.8	1.629	2.618	2.0	19.9
3 12	10 56.65	+12 7.1	1.620	2.600	4.5	20.0
3 22	10 47.66	+13 2.1	1.638	2.582	8.9	20.2
4 1	10 40.27	+13 41.3	1.682	2.564	13.0	20.4
4 11	10 35.22	+14 2.1	1.747	2.545	16.5	20.6

67375 2000 NQ_{19} 3 5.0 248°.63 1°.7/ 3.2 17

2 1	11 26.19	+ 8 10.4	2.180	3.019	11.6	20.0
2 11	11 21.15	+ 9 6.1	2.085	3.001	8.4	19.8
2 21	11 14.21	+10 11.4	2.015	2.982	4.8	19.5
3 2	11 5.94	+11 20.6	1.975	2.963	1.8	19.3
3 12	10 57.20	+12 27.1	1.964	2.943	4.0	19.4
3 22	10 48.88	+13 24.5	1.982	2.922	7.9	19.6
4 1	10 41.86	+14 8.2	2.027	2.901	11.4	19.8
4 11	10 36.79	+14 35.6	2.094	2.880	14.5	19.9

140006 2001 SE_{43} 3 5.0 84°.36 5°.1/29.2 18

2 1	11 30.74	+21 50.7	2.224	3.070	11.1	19.4
2 11	11 24.18	+22 23.8	2.165	3.077	8.4	19.2
2 21	11 15.76	+22 52.4	2.132	3.084	6.0	19.1
3 2	11 6.25	+23 10.6	2.128	3.092	5.2	19.0
3 12	10 56.61	+23 13.5	2.153	3.099	6.7	19.1
3 22	10 47.78	+22 59.3	2.205	3.106	9.3	19.3
4 1	10 40.53	+22 28.1	2.283	3.114	11.9	19.5
4 11	10 35.38	+21 41.7	2.381	3.121	14.2	19.7

88372 2001 PT_{17} 3 5.0 229°.23 5°.0/29.8 18

2 1	11 31.22	+15 55.9	1.677	2.531	13.7	20.6
2 11	11 25.31	+17 5.2	1.600	2.521	10.1	20.4
2 21	11 16.82	+18 18.4	1.547	2.510	6.6	20.1
3 2	11 6.58	+19 26.1	1.522	2.499	5.0	20.0
3 12	10 55.79	+20 19.0	1.525	2.487	7.4	20.1
3 22	10 45.75	+20 50.7	1.555	2.474	11.3	20.3
4 1	10 37.64	+20 58.6	1.608	2.461	15.1	20.5
4 11	10 32.23	+20 43.4	1.680	2.447	18.3	20.7

170315 2003 SS_{46} 3 5.0 133°.13 0°.2/ 5.2 18

2 1	11 29.45	+ 3 16.5	1.817	2.645	14.0	21.0
2 11	11 23.56	+ 3 44.6	1.749	2.657	10.3	20.8
2 21	11 15.57	+ 4 25.5	1.704	2.667	6.1	20.6
3 2	11 6.25	+ 5 14.2	1.688	2.677	1.5	20.3
3 12	10 56.65	+ 6 4.5	1.700	2.687	3.1	20.4
3 22	10 47.84	+ 6 50.1	1.741	2.696	7.5	20.7
4 1	10 40.74	+ 7 25.9	1.808	2.705	11.5	21.0
4 11	10 35.94	+ 7 48.8	1.898	2.713	14.8	21.2

462900 2010 XK_{44} 3 5.0 88°.03 7°.4/27.1 18

2 1	11 30.59	+23 50.0	1.742	2.598	13.1	21.4
2 11	11 24.44	+25 17.6	1.705	2.619	10.1	21.3
2 21	11 16.04	+26 38.0	1.694	2.639	7.9	21.2
3 2	11 6.34	+27 41.4	1.709	2.659	7.6	21.2
3 12	10 56.55	+28 20.7	1.751	2.678	9.4	21.4
3 22	10 47.85	+28 33.0	1.818	2.698	12.1	21.6
4 1	10 41.15	+28 19.2	1.907	2.717	14.8	21.8
4 11	10 36.96	+27 43.1	2.015	2.736	17.0	22.0

386198 2007 VG_{230} 3 5.0 72°.21 0°.1/ 4.9 15

2 1	11 24.89	+ 4 13.2	2.162	2.993	12.0	21.8
2 11	11 19.93	+ 4 43.2	2.099	3.009	8.7	21.6
2 21	11 13.32	+ 5 23.1	2.062	3.026	5.1	21.4
3 2	11 5.71	+ 6 8.5	2.053	3.042	1.2	21.1
3 12	10 57.94	+ 6 54.0	2.073	3.059	2.8	21.3
3 22	10 50.82	+ 7 34.9	2.122	3.076	6.5	21.6
4 1	10 45.06	+ 8 7.0	2.198	3.092	9.8	21.8
4 11	10 41.13	+ 8 27.8	2.297	3.108	12.6	22.0

492636 2014 OK_{317} 3 5.0 212°.76 0°.8/ 4.3 17

2 1	11 29.53	+ 5 45.7	1.998	2.828	12.8	23.2
2 11	11 23.67	+ 6 23.5	1.910	2.821	9.4	23.0
2 21	11 15.70	+ 7 12.0	1.847	2.812	5.4	22.7
3 2	11 6.32	+ 8 6.4	1.813	2.803	1.3	22.4
3 12	10 56.47	+ 9 0.2	1.809	2.793	3.5	22.6
3 22	10 47.19	+ 9 47.4	1.834	2.782	7.8	22.8
4 1	10 39.43	+10 23.0	1.885	2.770	11.6	23.0
4 11	10 33.85	+10 44.3	1.959	2.758	14.9	23.2

36537 2000 QW_{89} 3 5.0 75°.17 1°.8/ 6.8 18

2 1	11 28.81	− 1 37.0	1.864	2.675	14.4	19.3
2 11	11 22.85	− 1 15.8	1.813	2.708	10.8	19.1
2 21	11 15.01	− 0 38.8	1.786	2.740	6.8	19.0
3 2	11 6.10	+ 0 9.9	1.787	2.772	2.8	18.8
3 12	10 57.13	+ 1 4.4	1.816	2.803	2.9	18.8
3 22	10 49.05	+ 1 58.3	1.875	2.834	6.7	19.1
4 1	10 42.64	+ 2 46.1	1.960	2.865	10.3	19.4
4 11	10 38.40	+ 3 23.6	2.068	2.895	13.3	19.7

14121 Stüwe 3 5.0 159.°45 1.°7/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.74	− 0 40.8	1.764	2.579	14.9	18.0
2 11	11 24.64	− 0 24.4	1.689	2.586	11.3	17.8
2 21	11 16.28	+ 0 8.6	1.637	2.592	7.1	17.6
3 2	11 6.45	+ 0 54.6	1.612	2.598	2.8	17.3
3 12	10 56.24	+ 1 47.7	1.616	2.603	3.2	17.3
3 22	10 46.80	+ 2 41.0	1.648	2.607	7.5	17.6
4 1	10 39.12	+ 3 28.3	1.707	2.610	11.6	17.9
4 11	10 33.88	+ 4 4.5	1.788	2.613	15.1	18.1

127857 2003 FZ_{114} 3 5.0 250.°27 2.°8/ 2.4 18

2 1	11 27.67	+ 9 16.7	1.695	2.545	13.8	20.2
2 11	11 22.72	+10 30.4	1.608	2.529	10.0	19.9
2 21	11 15.36	+11 56.4	1.545	2.513	5.9	19.6
3 2	11 6.27	+13 26.5	1.509	2.495	2.8	19.4
3 12	10 56.55	+14 50.7	1.502	2.478	5.6	19.5
3 22	10 47.41	+16 0.4	1.522	2.459	10.0	19.7
4 1	10 39.98	+16 49.6	1.567	2.440	14.3	19.9
4 11	10 35.06	+17 16.0	1.631	2.421	17.9	20.1

306015 2010 DL_{18} 3 5.0 190.°97 4.°7/29.7 18

2 1	11 29.97	+15 51.9	1.788	2.642	13.0	21.4
2 11	11 24.15	+17 3.5	1.720	2.641	9.5	21.2
2 21	11 16.02	+18 18.0	1.677	2.639	6.2	21.0
3 2	11 6.39	+19 26.7	1.662	2.638	4.7	20.9
3 12	10 56.38	+20 21.1	1.675	2.635	7.0	21.0
3 22	10 47.16	+20 55.5	1.715	2.632	10.5	21.2
4 1	10 39.73	+21 7.5	1.779	2.628	14.0	21.4
4 11	10 34.77	+20 58.1	1.863	2.624	17.0	21.6

134819 2000 GW_{20} 3 5.0 122.°38 0.°5/ 4.5 18

2 1	11 29.57	+ 5 29.7	2.176	3.001	12.1	19.9
2 11	11 23.28	+ 6 2.7	2.113	3.021	8.8	19.7
2 21	11 15.25	+ 6 44.4	2.077	3.041	5.0	19.5
3 2	11 6.18	+ 7 30.2	2.070	3.059	1.1	19.3
3 12	10 56.96	+ 8 14.7	2.093	3.077	3.0	19.5
3 22	10 48.46	+ 8 53.0	2.145	3.094	6.8	19.7
4 1	10 41.44	+ 9 21.6	2.226	3.111	10.1	20.0
4 11	10 36.39	+ 9 38.2	2.329	3.127	12.9	20.2

522567 2016 EF_{244} 3 5.0 222.°03 4.°0/ 1.0 17

2 1	11 30.52	+18 10.3	2.416	3.258	10.5	21.9
2 11	11 24.06	+18 45.7	2.335	3.249	7.8	21.8
2 21	11 15.79	+19 20.1	2.282	3.240	5.1	21.6
3 2	11 6.33	+19 48.2	2.257	3.230	4.0	21.5
3 12	10 56.58	+20 4.9	2.263	3.220	5.6	21.6
3 22	10 47.40	+20 7.1	2.297	3.210	8.4	21.7
4 1	10 39.60	+19 53.7	2.358	3.199	11.3	21.9
4 11	10 33.74	+19 25.2	2.441	3.187	13.8	22.0

301884 1998 KB_3 3 5.0 225.°75 6.°6/14.5 17

2 1	11 22.41	−21 41.0	2.922	3.600	12.7	21.0
2 11	11 18.04	−21 46.2	2.816	3.591	11.0	20.8
2 21	11 12.25	−21 30.6	2.731	3.583	9.2	20.7
3 2	11 5.50	−20 53.2	2.670	3.574	7.6	20.5
3 12	10 58.44	−19 55.4	2.636	3.565	6.6	20.5
3 22	10 51.72	−18 40.8	2.630	3.555	7.0	20.5
4 1	10 45.97	−17 14.6	2.652	3.545	8.4	20.5
4 11	10 41.70	−15 43.6	2.700	3.535	10.3	20.7

310928 2003 SV_{236} 3 5.0 173.°92 1.°1/ 3.5 17

2 1	11 23.65	+ 9 26.2	3.076	3.908	8.7	21.1
2 11	11 18.69	+ 9 50.3	2.997	3.910	6.3	20.9
2 21	11 12.50	+10 18.4	2.945	3.911	3.6	20.7
3 2	11 5.54	+10 47.4	2.923	3.912	1.2	20.6
3 12	10 58.40	+11 13.6	2.932	3.912	2.8	20.7
3 22	10 51.66	+11 34.3	2.971	3.913	5.5	20.9
4 1	10 45.86	+11 47.1	3.039	3.913	8.0	21.0
4 11	10 41.41	+11 50.7	3.130	3.913	10.2	21.2

491668 2012 TK_{308} 3 5.0 146.°15 2.°9/ 8.4 17

2 1	11 25.53	− 5 30.6	2.667	3.448	11.4	21.5
2 11	11 20.23	− 5 35.6	2.584	3.455	8.9	21.4
2 21	11 13.47	− 5 27.4	2.525	3.461	6.2	21.2
3 2	11 5.78	− 5 7.1	2.494	3.467	3.6	21.0
3 12	10 57.85	− 4 37.7	2.493	3.473	3.2	21.0
3 22	10 50.38	− 4 2.8	2.522	3.478	5.4	21.2
4 1	10 44.00	− 3 26.6	2.579	3.484	8.1	21.3
4 11	10 39.19	− 2 53.2	2.661	3.489	10.6	21.5

203798 2002 TU_{101} 3 5.0 74.°10 0.°3/ 4.7 18

2 1	11 27.44	+ 6 5.6	2.084	2.917	12.2	20.1
2 11	11 21.90	+ 6 17.2	2.013	2.925	8.9	19.9
2 21	11 14.54	+ 6 36.9	1.967	2.932	5.2	19.6
3 2	11 6.03	+ 7 0.9	1.949	2.939	1.2	19.4
3 12	10 57.29	+ 7 24.5	1.961	2.946	3.0	19.5
3 22	10 49.21	+ 7 43.5	2.001	2.954	6.9	19.8
4 1	10 42.59	+ 7 54.5	2.068	2.961	10.4	20.0
4 11	10 37.97	+ 7 55.5	2.158	2.968	13.4	20.2

505047 2011 SG_1 3 5.0 219.°17 1.°5/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.17	− 1 51.9	2.517	3.324	11.2	21.9
2 11	11 17.91	− 1 19.3	2.428	3.321	8.5	21.7
2 21	11 12.18	− 0 33.0	2.364	3.317	5.4	21.5
3 2	11 5.48	+ 0 23.9	2.329	3.314	2.3	21.3
3 12	10 58.51	+ 1 26.9	2.324	3.311	2.4	21.3
3 22	10 51.96	+ 2 30.8	2.348	3.307	5.5	21.5
4 1	10 46.48	+ 3 30.4	2.400	3.303	8.7	21.7
4 11	10 42.56	+ 4 21.4	2.476	3.299	11.5	21.9

307920 2004 EF_{20} 3 5.0 178.°67 0.°7/ 5.7 18

2 1	11 26.28	+ 1 8.4	1.931	2.755	13.4	20.6
2 11	11 21.27	+ 1 45.3	1.852	2.756	10.0	20.4
2 21	11 14.28	+ 2 37.2	1.796	2.757	6.0	20.1
3 2	11 5.99	+ 3 39.5	1.769	2.757	1.8	19.9
3 12	10 57.35	+ 4 45.9	1.770	2.757	2.9	19.9
3 22	10 49.32	+ 5 49.5	1.800	2.757	7.1	20.2
4 1	10 42.79	+ 6 44.2	1.856	2.756	11.0	20.4
4 11	10 38.38	+ 7 25.8	1.936	2.755	14.3	20.6

78282 2002 PF_{40} 3 5.0 158.°46 1.°2/ 3.7 18 R

2 1	11 25.48	+ 7 44.2	2.352	3.188	10.9	20.2
2 11	11 20.34	+ 8 22.7	2.278	3.192	7.9	20.0
2 21	11 13.59	+ 9 8.5	2.229	3.196	4.5	19.8
3 2	11 5.81	+ 9 56.7	2.210	3.199	1.3	19.5
3 12	10 57.79	+10 42.3	2.220	3.202	3.3	19.7
3 22	10 50.32	+11 20.7	2.260	3.205	6.8	19.9
4 1	10 44.09	+11 48.3	2.327	3.207	9.9	20.1
4 11	10 39.63	+12 3.3	2.417	3.210	12.6	20.3

175430 2006 QU_{16} 3 5.0 201.°31 1.°2/ 3.9 18

2 1	11 28.09	+ 6 48.1	2.074	2.908	12.3	20.6
2 11	11 22.52	+ 7 34.2	1.991	2.905	8.9	20.4
2 21	11 14.99	+ 8 30.1	1.934	2.900	5.1	20.2
3 2	11 6.17	+ 9 30.5	1.905	2.895	1.4	19.9
3 12	10 56.96	+10 28.7	1.906	2.889	3.7	20.1
3 22	10 48.32	+11 18.8	1.937	2.882	7.6	20.3
4 1	10 41.13	+11 56.4	1.993	2.875	11.3	20.5
4 11	10 36.00	+12 19.0	2.073	2.867	14.4	20.7

318755 2005 SX_{38} 3 5.0 107.°07 2.°1/ 3.3 18

2 1	11 29.01	+10 10.5	1.778	2.626	13.4	20.4
2 11	11 23.37	+10 39.5	1.708	2.628	9.7	20.2
2 21	11 15.54	+11 15.0	1.662	2.630	5.6	20.0
3 2	11 6.29	+11 51.1	1.644	2.632	2.2	19.7
3 12	10 56.73	+12 21.4	1.654	2.634	4.5	19.9
3 22	10 47.95	+12 40.9	1.691	2.636	8.6	20.1
4 1	10 40.91	+12 46.4	1.754	2.637	12.5	20.4
4 11	10 36.24	+12 37.0	1.838	2.639	15.7	20.6

88417 2001 QJ_{48} 3 5.0 143.°83 2.°5/ 2.4 18 R

2 1	11 24.85	+ 8 31.3	1.816	2.666	13.0	19.6
2 11	11 20.33	+ 9 56.6	1.748	2.670	9.3	19.4
2 21	11 13.76	+11 32.5	1.705	2.673	5.4	19.1
3 2	11 5.88	+13 10.8	1.690	2.677	2.5	19.0
3 12	10 57.67	+14 42.2	1.704	2.680	5.1	19.1
3 22	10 50.14	+15 58.8	1.746	2.682	9.0	19.4
4 1	10 44.19	+16 55.6	1.813	2.685	12.7	19.6
4 11	10 40.42	+17 30.7	1.901	2.688	15.8	19.8

11110 1995 VT_1 3 5.0 125.°74 3.°4/ 9.3 18

2 1	11 23.32	− 8 14.6	2.636	3.407	11.7	17.7
2 11	11 18.65	− 8 6.2	2.554	3.416	9.3	17.5
2 21	11 12.56	− 7 42.0	2.496	3.425	6.6	17.4
3 2	11 5.58	− 7 3.6	2.466	3.434	4.2	17.2
3 12	10 58.38	− 6 14.2	2.465	3.442	3.5	17.2
3 22	10 51.63	− 5 18.4	2.493	3.450	5.4	17.3
4 1	10 45.97	− 4 21.2	2.550	3.458	8.0	17.5
4 11	10 41.83	− 3 27.4	2.632	3.466	10.5	17.7

400300 2007 TQ_{126} 3 5.0 88.°50 0.°8/ 4.3 18

2 1	11 29.23	+ 5 19.4	1.587	2.429	15.0	21.3
2 11	11 23.55	+ 6 3.8	1.532	2.448	10.9	21.1
2 21	11 15.61	+ 7 0.5	1.501	2.468	6.2	20.8
3 2	11 6.30	+ 8 2.7	1.497	2.487	1.4	20.5
3 12	10 56.81	+ 9 2.2	1.522	2.506	3.9	20.8
3 22	10 48.31	+ 9 52.2	1.573	2.525	8.5	21.1
4 1	10 41.74	+10 27.7	1.650	2.543	12.5	21.4
4 11	10 37.67	+10 46.4	1.747	2.561	15.9	21.6

40343 1999 NH_9 3 5.0 132.°70 2.°3/ 2.8 18

2 1	11 27.94	+ 8 38.0	1.816	2.661	13.2	18.9
2 11	11 22.49	+ 9 46.8	1.753	2.672	9.5	18.7
2 21	11 14.98	+11 4.7	1.716	2.683	5.4	18.5
3 2	11 6.16	+12 24.3	1.707	2.694	2.3	18.3
3 12	10 57.08	+13 37.0	1.727	2.704	4.7	18.5
3 22	10 48.79	+14 36.2	1.775	2.714	8.7	18.7
4 1	10 42.18	+15 17.6	1.848	2.723	12.4	18.9
4 11	10 37.84	+15 39.8	1.942	2.731	15.4	19.2

374572 2006 BD_{278} 3 5.0 311.°49 1.°1/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.93	+ 1 12.3	1.943	2.767	13.4	21.1
2 11	11 21.01	+ 1 26.8	1.862	2.766	10.0	20.9
2 21	11 14.14	+ 1 54.8	1.806	2.766	6.1	20.7
3 2	11 5.97	+ 2 32.9	1.777	2.765	2.1	20.4
3 12	10 57.46	+ 3 15.9	1.777	2.764	2.8	20.5
3 22	10 49.54	+ 3 58.1	1.804	2.763	6.9	20.7
4 1	10 43.11	+ 4 34.3	1.858	2.763	10.8	20.9
4 11	10 38.77	+ 5 0.4	1.935	2.762	14.1	21.1

123342 2000 VS_{54} 3 5.0 51.°69 3.°9/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.52	+14 50.6	1.590	2.447	14.1	19.6
2 11	11 24.46	+15 24.4	1.542	2.466	10.2	19.4
2 21	11 16.10	+15 59.6	1.519	2.485	6.2	19.2
3 2	11 6.40	+16 28.9	1.522	2.504	3.9	19.1
3 12	10 56.62	+16 45.8	1.552	2.523	6.1	19.2
3 22	10 47.93	+16 46.6	1.609	2.543	9.8	19.5
4 1	10 41.28	+16 30.3	1.690	2.563	13.4	19.8
4 11	10 37.20	+15 57.9	1.791	2.583	16.4	20.0

362054 2009 BH_{43} 3 5.0 1.°19 0.°9/ 5.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.14	+ 2 57.6	1.316	2.163	17.1	21.1
2 11	11 23.38	+ 3 1.1	1.246	2.162	12.8	20.8
2 21	11 15.84	+ 3 20.6	1.197	2.162	7.7	20.5
3 2	11 6.41	+ 3 52.0	1.173	2.162	2.2	20.2
3 12	10 56.47	+ 4 28.0	1.174	2.162	3.8	20.3
3 22	10 47.47	+ 5 1.4	1.201	2.163	9.2	20.6
4 1	10 40.66	+ 5 25.5	1.251	2.165	14.1	20.9
4 11	10 36.82	+ 5 36.1	1.321	2.167	18.3	21.1

164173 2004 BM_{10} 3 5.0 82.°01 1.°7/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.12	− 1 41.4	2.135	2.947	12.8	20.3
2 11	11 19.46	− 1 16.4	2.063	2.958	9.6	20.2
2 21	11 13.11	− 0 36.7	2.016	2.970	6.1	20.0
3 2	11 5.72	+ 0 14.5	1.996	2.981	2.6	19.8
3 12	10 58.09	+ 1 11.8	2.006	2.993	2.7	19.8
3 22	10 51.07	+ 2 9.6	2.044	3.004	6.2	20.0
4 1	10 45.39	+ 3 2.3	2.110	3.016	9.6	20.2
4 11	10 41.54	+ 3 45.7	2.199	3.027	12.5	20.5

421172 2013 RS_{50} 3 5.0 149.°66 2.°5/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.34	− 3 8.3	2.002	2.808	13.7	21.4
2 11	11 21.25	− 3 1.3	1.922	2.811	10.6	21.2
2 21	11 14.26	− 2 38.0	1.865	2.814	7.0	21.0
3 2	11 6.01	− 2 0.6	1.835	2.816	3.5	20.8
3 12	10 57.42	− 1 13.9	1.833	2.819	3.2	20.8
3 22	10 49.42	− 0 23.6	1.860	2.821	6.6	21.0
4 1	10 42.88	+ 0 24.5	1.914	2.823	10.3	21.2
4 11	10 38.39	+ 1 5.2	1.991	2.825	13.5	21.4

20347 Wunderlich 3 5.0 240.°23 2.°0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.04	+ 8 53.9	2.038	2.883	12.0	19.0
2 11	11 20.34	+ 9 51.0	1.957	2.877	8.7	18.7
2 21	11 13.75	+10 56.8	1.902	2.870	5.0	18.5
3 2	11 5.89	+12 5.2	1.875	2.863	2.1	18.3
3 12	10 57.67	+13 9.1	1.878	2.856	4.3	18.4
3 22	10 49.99	+14 2.4	1.908	2.848	8.1	18.6
4 1	10 43.72	+14 40.6	1.964	2.841	11.7	18.8
4 11	10 39.46	+15 1.7	2.042	2.833	14.7	19.0

2134 Dennispalm 3 5.0 10.°86 18.°6/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	12 5.50	+48 33.3	1.176	1.964	22.4	16.1
2 11	11 51.06	+48 44.2	1.137	1.968	20.5	16.0
2 21	11 31.54	+48 10.2	1.116	1.975	19.0	15.9
3 2	11 9.85	+46 35.4	1.116	1.983	18.6	15.9
3 12	10 49.59	+43 57.7	1.137	1.993	19.3	16.0
3 22	10 33.43	+40 29.4	1.181	2.005	21.0	16.1
4 1	10 22.57	+36 29.9	1.246	2.018	23.1	16.3
4 11	10 16.92	+32 18.3	1.330	2.033	25.1	16.5

343991 2011 OZ_{38} 3 5.0 128.°23 2.°1/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.62	− 1 41.7	2.287	3.092	12.2	20.9
2 11	11 20.52	− 1 41.3	2.204	3.095	9.3	20.7
2 21	11 13.75	− 1 28.0	2.146	3.097	6.1	20.5
3 2	11 5.89	− 1 3.8	2.116	3.099	2.9	20.3
3 12	10 57.73	− 0 32.4	2.115	3.101	2.8	20.3
3 22	10 50.10	+ 0 1.8	2.143	3.103	6.0	20.5
4 1	10 43.73	+ 0 34.2	2.199	3.105	9.3	20.7
4 11	10 39.15	+ 1 0.8	2.278	3.106	12.2	20.9

89188 2001 UT_{75} 3 5.0 201.°37 0.°8/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.39	+ 0 23.2	1.879	2.698	14.0	20.7
2 11	11 22.94	+ 1 3.9	1.793	2.694	10.5	20.5
2 21	11 15.35	+ 2 1.2	1.731	2.690	6.4	20.2
3 2	11 6.29	+ 3 10.7	1.696	2.684	2.0	19.9
3 12	10 56.78	+ 4 25.6	1.691	2.678	3.0	20.0
3 22	10 47.86	+ 5 38.3	1.714	2.671	7.5	20.2
4 1	10 40.51	+ 6 41.9	1.765	2.663	11.6	20.5
4 11	10 35.41	+ 7 31.5	1.838	2.654	15.1	20.7

219457 2000 WY_{165} 3 5.0 188.°66 5.°5/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.83	−14 5.7	2.314	3.057	14.0	20.6
2 11	11 20.04	−14 4.2	2.222	3.056	11.6	20.5
2 21	11 13.52	−13 41.0	2.151	3.055	8.9	20.3
3 2	11 5.85	−12 56.2	2.106	3.054	6.5	20.1
3 12	10 57.81	−11 52.8	2.088	3.052	5.5	20.1
3 22	10 50.25	−10 36.0	2.100	3.050	6.8	20.1
4 1	10 43.94	− 9 12.9	2.139	3.047	9.3	20.3
4 11	10 39.45	− 7 50.8	2.202	3.044	12.1	20.5

77717 2001 OX_{50} 3 5.0 148.°15 4.°5/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.44	+19 0.5	2.453	3.303	10.0	19.5
2 11	11 20.30	+20 8.3	2.392	3.309	7.4	19.3
2 21	11 13.57	+21 15.3	2.359	3.315	5.2	19.2
3 2	11 5.83	+22 15.0	2.354	3.320	4.5	19.2
3 12	10 57.90	+23 1.8	2.378	3.325	6.2	19.3
3 22	10 50.54	+23 32.1	2.431	3.329	8.7	19.4
4 1	10 44.45	+23 44.4	2.508	3.334	11.2	19.6
4 11	10 40.12	+23 39.2	2.606	3.338	13.3	19.8

56665 2000 KJ_{62} 3 5.0 211.°50 12.°9/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 34.72	+44 59.9	2.027	2.826	13.8	19.3
2 11	11 28.07	+47 0.3	1.996	2.822	13.0	19.2
2 21	11 18.50	+48 38.1	1.988	2.818	13.0	19.2
3 2	11 7.04	+49 42.9	2.003	2.814	13.8	19.2
3 12	10 55.20	+50 9.1	2.039	2.809	15.1	19.3
3 22	10 44.52	+49 56.5	2.093	2.803	16.6	19.4
4 1	10 36.26	+49 8.9	2.164	2.798	18.1	19.5
4 11	10 31.12	+47 53.2	2.247	2.792	19.3	19.7

60076 1999 TC_{143} 3 5.0 5.°65 2.°0/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.74	+ 8 21.9	1.150	2.021	17.4	17.5
2 11	11 21.87	+ 8 50.0	1.090	2.021	12.7	17.3
2 21	11 15.04	+ 9 30.2	1.050	2.022	7.3	17.0
3 2	11 6.25	+10 14.8	1.034	2.024	2.3	16.7
3 12	10 57.01	+10 54.1	1.042	2.027	5.4	16.9
3 22	10 48.87	+11 20.1	1.074	2.031	10.8	17.2
4 1	10 43.11	+11 27.9	1.128	2.036	15.8	17.5
4 11	10 40.49	+11 16.0	1.199	2.043	19.9	17.7

386563 2009 DL_{86} 3 5.0 232.°76 0.°3/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.06	+ 7 12.6	2.416	3.240	11.1	20.9
2 11	11 23.68	+ 7 6.1	2.330	3.237	8.1	20.7
2 21	11 15.56	+ 7 5.0	2.270	3.234	4.7	20.4
3 2	11 6.33	+ 7 6.5	2.240	3.230	1.1	20.2
3 12	10 56.80	+ 7 7.3	2.241	3.227	2.7	20.3
3 22	10 47.82	+ 7 4.7	2.273	3.223	6.3	20.5
4 1	10 40.14	+ 6 56.2	2.332	3.220	9.6	20.7
4 11	10 34.31	+ 6 40.3	2.415	3.216	12.4	20.9

105090 2000 KW_{82} 3 5.0 266.°69 5.°3/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.81	+20 22.1	2.196	3.050	10.9	19.5
2 11	11 20.86	+21 31.4	2.123	3.041	8.2	19.3
2 21	11 14.03	+22 39.6	2.077	3.031	5.9	19.2
3 2	11 5.98	+23 39.4	2.059	3.021	5.4	19.1
3 12	10 57.58	+24 24.2	2.069	3.011	7.2	19.2
3 22	10 49.77	+24 49.7	2.105	3.001	10.0	19.3
4 1	10 43.35	+24 54.2	2.166	2.991	12.7	19.5
4 11	10 38.94	+24 38.8	2.247	2.981	15.1	19.7

273944 2007 JX_{26} 3 5.0 197.°77 2.°1/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.19	+ 9 20.7	2.114	2.958	11.7	20.7
2 11	11 20.36	+10 16.6	2.038	2.957	8.4	20.5
2 21	11 13.72	+11 20.1	1.988	2.955	4.8	20.3
3 2	11 5.91	+12 25.4	1.966	2.954	2.1	20.1
3 12	10 57.78	+13 25.5	1.974	2.952	4.3	20.2
3 22	10 50.22	+14 15.0	2.010	2.949	7.9	20.4
4 1	10 44.03	+14 49.9	2.073	2.947	11.2	20.6
4 11	10 39.78	+15 8.5	2.157	2.944	14.1	20.8

60136 1999 TV_{279} 3 5.0 233.°32 0.°7/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.26	+ 6 28.8	2.788	3.617	9.6	19.6
2 11	11 18.61	+ 7 5.1	2.697	3.607	7.0	19.5
2 21	11 12.58	+ 7 48.5	2.632	3.598	4.0	19.2
3 2	11 5.63	+ 8 35.6	2.598	3.587	1.0	19.0
3 12	10 58.40	+ 9 22.0	2.594	3.577	2.7	19.1
3 22	10 51.54	+10 3.4	2.620	3.566	5.8	19.3
4 1	10 45.67	+10 36.7	2.673	3.555	8.7	19.5
4 11	10 41.25	+10 59.3	2.751	3.544	11.3	19.6

433969 1999 TD_{73} 3 5.0 239.°30 0.°0/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.30	+ 4 58.2	2.679	3.502	10.2	21.4
2 11	11 20.14	+ 5 12.5	2.587	3.493	7.5	21.2
2 21	11 13.49	+ 5 34.3	2.521	3.483	4.4	21.0
3 2	11 5.85	+ 6 0.7	2.484	3.474	1.0	20.7
3 12	10 57.92	+ 6 27.9	2.478	3.464	2.4	20.8
3 22	10 50.39	+ 6 52.4	2.502	3.454	5.7	21.0
4 1	10 43.92	+ 7 10.9	2.554	3.444	8.8	21.2
4 11	10 39.01	+ 7 21.2	2.630	3.434	11.4	21.4

408131 2013 CL_{66} 3 5.0 3°.44 1°.7/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.56	+ 0 43.8	1.208	2.057	18.2	21.2
2 11	11 22.43	+ 0 49.3	1.140	2.056	13.8	20.9
2 21	11 15.38	+ 1 15.4	1.093	2.056	8.5	20.6
3 2	11 6.36	+ 1 57.8	1.069	2.057	3.1	20.3
3 12	10 56.79	+ 2 48.7	1.069	2.058	3.9	20.4
3 22	10 48.20	+ 3 38.9	1.094	2.060	9.4	20.7
4 1	10 41.90	+ 4 20.2	1.142	2.062	14.6	21.0
4 11	10 38.69	+ 4 46.7	1.209	2.066	18.9	21.3

492041 2013 GB_{102} 3 5.0 328°.78 2°.2/ 3.6 18

2 1	11 25.60	+ 8 32.3	1.165	2.036	17.2	20.8
2 11	11 22.02	+ 9 1.9	1.087	2.018	12.7	20.5
2 21	11 15.34	+ 9 44.8	1.031	2.002	7.4	20.1
3 2	11 6.39	+10 33.4	0.997	1.986	2.4	19.8
3 12	10 56.64	+11 17.7	0.988	1.972	5.7	19.9
3 22	10 47.74	+11 48.5	1.002	1.958	11.5	20.2
4 1	10 41.19	+11 59.6	1.037	1.946	16.8	20.4
4 11	10 37.93	+11 48.9	1.090	1.935	21.4	20.7

88511 2001 QK_{154} 3 5.0 132°.92 3°.6/ 8.9 18

2 1	11 26.72	− 7 43.3	2.153	2.933	13.8	20.2
2 11	11 21.38	− 7 29.0	2.077	2.946	10.9	20.0
2 21	11 14.27	− 6 55.8	2.024	2.958	7.6	19.8
3 2	11 6.04	− 6 5.6	1.998	2.970	4.6	19.7
3 12	10 57.55	− 5 2.9	2.002	2.982	3.8	19.6
3 22	10 49.68	− 3 53.9	2.034	2.993	6.3	19.8
4 1	10 43.20	− 2 45.2	2.094	3.003	9.5	20.0
4 11	10 38.65	− 1 42.7	2.178	3.013	12.4	20.2

271831 2004 TW_{170} 3 5.0 130°.00 3°.4/ 1.6 18

2 1	11 27.52	+14 11.8	2.107	2.956	11.5	20.7
2 11	11 21.98	+15 5.1	2.045	2.965	8.3	20.5
2 21	11 14.62	+16 1.1	2.008	2.973	5.1	20.3
3 2	11 6.12	+16 53.3	2.000	2.981	3.4	20.2
3 12	10 57.41	+17 35.5	2.021	2.988	5.3	20.3
3 22	10 49.39	+18 3.4	2.070	2.996	8.5	20.5
4 1	10 42.86	+18 14.7	2.145	3.003	11.6	20.8
4 11	10 38.35	+18 9.5	2.241	3.009	14.2	21.0

178200 2006 UL_{288} 3 5.0 0°.16 2°.8/ 2.2 17

2 1	11 27.07	+14 14.0	2.315	3.161	10.7	19.8
2 11	11 21.55	+14 40.2	2.243	3.161	7.8	19.6
2 21	11 14.34	+15 8.2	2.196	3.161	4.7	19.4
3 2	11 6.06	+15 33.0	2.178	3.161	2.8	19.3
3 12	10 57.54	+15 50.1	2.190	3.161	4.6	19.4
3 22	10 49.62	+15 56.1	2.230	3.161	7.7	19.6
4 1	10 43.05	+15 49.3	2.296	3.161	10.7	19.8
4 11	10 38.33	+15 29.5	2.385	3.161	13.2	20.0

62236 2000 SK_{73} 3 5.0 171°.00 2°.2/ 2.2 18

2 1	11 24.49	+12 33.3	2.831	3.671	9.2	20.0
2 11	11 19.43	+13 16.1	2.757	3.674	6.6	19.8
2 21	11 13.01	+14 2.0	2.711	3.676	3.9	19.7
3 2	11 5.73	+14 46.5	2.694	3.678	2.2	19.5
3 12	10 58.26	+15 25.2	2.708	3.680	3.8	19.6
3 22	10 51.24	+15 54.7	2.752	3.681	6.5	19.8
4 1	10 45.27	+16 12.7	2.823	3.682	9.1	20.0
4 11	10 40.78	+16 18.2	2.917	3.682	11.3	20.2

494890 2008 SG_{267} 3 5.0 161°.71 6°.4/13.0 17

2 1	11 25.32	−18 19.3	2.565	3.272	13.6	21.3
2 11	11 20.27	−18 32.7	2.475	3.277	11.6	21.2
2 21	11 13.61	−18 24.7	2.407	3.282	9.4	21.0
3 2	11 5.90	−17 54.8	2.363	3.286	7.4	20.9
3 12	10 57.88	−17 4.8	2.347	3.290	6.4	20.8
3 22	10 50.32	−15 58.9	2.359	3.294	7.1	20.9
4 1	10 43.93	−14 43.2	2.399	3.297	8.9	21.0
4 11	10 39.25	−13 24.5	2.463	3.299	11.1	21.1

425796 2011 CC_{103} 3 5.0 4°.15 1°.5/ 6.3 17

2 1	11 26.33	+ 0 31.2	1.724	2.552	14.6	21.3
2 11	11 21.53	+ 0 38.4	1.647	2.551	11.0	21.1
2 21	11 14.56	+ 1 0.8	1.593	2.552	6.9	20.9
3 2	11 6.14	+ 1 35.1	1.565	2.552	2.6	20.6
3 12	10 57.34	+ 2 16.0	1.565	2.553	3.1	20.6
3 22	10 49.22	+ 2 57.2	1.592	2.553	7.5	20.9
4 1	10 42.76	+ 3 32.7	1.645	2.554	11.6	21.1
4 11	10 38.63	+ 3 58.1	1.720	2.556	15.1	21.4

141048 2001 WR_{91} 3 5.0 68°.48 1°.4/ 3.6 18

2 1	11 25.98	+ 8 55.1	2.192	3.032	11.4	19.6
2 11	11 20.72	+ 9 25.4	2.132	3.049	8.2	19.4
2 21	11 13.82	+10 1.6	2.098	3.065	4.7	19.2
3 2	11 5.93	+10 38.9	2.093	3.082	1.6	19.1
3 12	10 57.90	+11 12.3	2.117	3.098	3.5	19.2
3 22	10 50.55	+11 37.6	2.170	3.115	7.0	19.5
4 1	10 44.57	+11 52.0	2.249	3.131	10.1	19.7
4 11	10 40.45	+11 54.2	2.351	3.148	12.8	19.9

348945 2006 TV_{96} 3 5.0 127°.13 1°.5/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.55	+ 7 52.3	2.011	2.849	12.4	21.8
2 11	11 22.75	+ 8 39.9	1.948	2.863	9.0	21.6
2 21	11 15.08	+ 9 35.5	1.911	2.877	5.1	21.4
3 2	11 6.24	+10 33.4	1.902	2.891	1.7	21.2
3 12	10 57.20	+11 26.9	1.923	2.903	3.9	21.4
3 22	10 48.90	+12 10.6	1.972	2.916	7.7	21.6
4 1	10 42.15	+12 40.8	2.048	2.928	11.1	21.9
4 11	10 37.49	+12 56.0	2.146	2.939	14.0	22.1

452997 2007 HD_{61} 3 5.1 22°.58 2°.3/ 3.3 18

2 1	11 26.10	+ 7 5.7	1.235	2.099	16.9	20.8
2 11	11 22.01	+ 8 12.4	1.174	2.102	12.2	20.5
2 21	11 15.09	+ 9 34.7	1.134	2.104	7.0	20.2
3 2	11 6.30	+11 2.9	1.118	2.107	2.4	19.9
3 12	10 57.06	+12 25.0	1.129	2.110	5.6	20.1
3 22	10 48.83	+13 30.6	1.163	2.114	10.9	20.4
4 1	10 42.86	+14 13.2	1.221	2.118	15.7	20.7
4 11	10 39.89	+14 30.8	1.296	2.122	19.7	21.0

238031 2002 WF_{4} 3 5.1 98°.74 3°.1/ 8.8 18

2 1	11 24.27	− 7 1.5	2.424	3.205	12.4	20.9
2 11	11 19.40	− 6 44.7	2.353	3.223	9.7	20.7
2 21	11 13.04	− 6 11.5	2.306	3.241	6.7	20.6
3 2	11 5.76	− 5 24.0	2.286	3.259	3.9	20.4
3 12	10 58.30	− 4 26.6	2.296	3.277	3.3	20.4
3 22	10 51.40	− 3 24.3	2.335	3.294	5.6	20.6
4 1	10 45.69	− 2 22.7	2.402	3.311	8.4	20.8
4 11	10 41.65	− 1 26.7	2.494	3.327	11.1	21.0

127626 2003 BZ_{72} 3 5.1 306°.67 3°.9/ 9.1 18

2 1	11 24.09	− 7 29.2	2.274	3.057	13.0	19.9
2 11	11 19.52	− 7 37.7	2.184	3.053	10.4	19.7
2 21	11 13.25	− 7 29.4	2.116	3.048	7.4	19.5
3 2	11 5.84	− 7 5.1	2.075	3.044	4.7	19.3
3 12	10 58.06	− 6 27.8	2.063	3.040	4.1	19.3
3 22	10 50.75	− 5 42.1	2.078	3.037	6.3	19.4
4 1	10 44.65	− 4 53.4	2.121	3.033	9.3	19.6
4 11	10 40.35	− 4 7.3	2.188	3.029	12.2	19.7

460870 2014 WP_{136} 3 5.1 158°.30 0°.3/ 4.7 16

2 1	11 26.90	+ 4 29.2	1.812	2.649	13.6	21.6
2 11	11 21.85	+ 5 4.1	1.738	2.651	10.0	21.4
2 21	11 14.70	+ 5 51.3	1.687	2.652	5.8	21.1
3 2	11 6.18	+ 6 45.7	1.664	2.654	1.3	20.8
3 12	10 57.32	+ 7 40.5	1.669	2.655	3.4	21.0
3 22	10 49.14	+ 8 29.2	1.702	2.656	7.8	21.2
4 1	10 42.57	+ 9 6.6	1.761	2.657	11.7	21.5
4 11	10 38.25	+ 9 29.7	1.842	2.658	15.1	21.7

89138 2001 UU_{19} 3 5.1 12°.77 0°.5/ 5.5 18

2 1	11 23.65	+ 2 44.6	1.888	2.723	13.2	19.5
2 11	11 19.38	+ 3 7.2	1.815	2.726	9.8	19.3
2 21	11 13.22	+ 3 42.4	1.765	2.728	5.8	19.1
3 2	11 5.83	+ 4 26.2	1.743	2.732	1.6	18.8
3 12	10 58.13	+ 5 12.8	1.748	2.735	2.9	18.9
3 22	10 51.08	+ 5 56.4	1.781	2.740	7.1	19.2
4 1	10 45.49	+ 6 31.8	1.840	2.744	10.9	19.4
4 11	10 41.95	+ 6 55.5	1.921	2.749	14.1	19.6

256718 2008 AB_{57} 3 5.1 140°.04 0°.7/ 5.8 18

2 1	11 28.67	+ 1 16.5	2.055	2.871	13.0	21.5
2 11	11 22.84	+ 1 48.2	1.984	2.884	9.7	21.3
2 21	11 15.14	+ 2 33.2	1.938	2.897	5.8	21.1
3 2	11 6.27	+ 3 27.2	1.920	2.908	1.8	20.9
3 12	10 57.16	+ 4 24.3	1.932	2.919	2.7	20.9
3 22	10 48.73	+ 5 18.6	1.973	2.929	6.7	21.2
4 1	10 41.79	+ 6 5.0	2.042	2.939	10.3	21.5
4 11	10 36.91	+ 6 39.8	2.134	2.947	13.4	21.7

243107 2007 RV_{109} 3 5.1 232°.20 0°.7/ 5.7 17

2 1	11 28.16	+ 1 4.5	1.858	2.680	14.0	21.7
2 11	11 22.90	+ 1 38.7	1.765	2.668	10.5	21.4
2 21	11 15.42	+ 2 29.1	1.695	2.656	6.4	21.2
3 2	11 6.39	+ 3 31.6	1.654	2.642	1.9	20.8
3 12	10 56.80	+ 4 39.6	1.641	2.628	3.1	20.9
3 22	10 47.73	+ 5 45.8	1.657	2.613	7.7	21.1
4 1	10 40.22	+ 6 43.2	1.699	2.598	11.9	21.3
4 11	10 35.00	+ 7 27.2	1.763	2.582	15.6	21.5

149474 2003 EA_{20} 3 5.1 305°.24 0°.9/ 5.8 18

2 1	11 25.21	+ 1 26.2	1.677	2.511	14.7	20.0
2 11	11 20.89	+ 1 47.7	1.590	2.500	11.0	19.8
2 21	11 14.30	+ 2 25.4	1.526	2.488	6.7	19.5
3 2	11 6.13	+ 3 15.4	1.488	2.477	2.1	19.2
3 12	10 57.42	+ 4 11.1	1.478	2.466	3.2	19.2
3 22	10 49.31	+ 5 5.5	1.494	2.455	7.9	19.5
4 1	10 42.84	+ 5 51.6	1.536	2.444	12.3	19.7
4 11	10 38.77	+ 6 24.6	1.599	2.434	16.1	19.9

320926 2008 GG_{113} 3 5.1 114.°41 2.°5/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.22	+ 9 53.8	1.736	2.587	13.5	21.0
2 11	11 22.15	+10 45.4	1.669	2.590	9.7	20.8
2 21	11 14.90	+11 45.1	1.625	2.593	5.6	20.6
3 2	11 6.25	+12 45.7	1.609	2.596	2.5	20.4
3 12	10 57.27	+13 39.6	1.621	2.599	4.9	20.5
3 22	10 49.05	+14 20.3	1.660	2.602	9.0	20.8
4 1	10 42.55	+14 44.2	1.724	2.604	12.8	21.0
4 11	10 38.40	+14 49.9	1.809	2.607	16.0	21.2

453901 2011 UC_{298} 3 5.1 65.°90 1.°8/ 3.7 18

2 1	11 28.70	+ 7 14.5	1.380	2.235	16.0	21.4
2 11	11 23.48	+ 8 5.1	1.329	2.252	11.6	21.2
2 21	11 15.73	+ 9 7.5	1.301	2.270	6.6	20.9
3 2	11 6.43	+10 13.4	1.298	2.287	2.0	20.7
3 12	10 56.94	+11 13.4	1.322	2.305	4.8	20.9
3 22	10 48.55	+11 59.9	1.372	2.323	9.6	21.2
4 1	10 42.31	+12 28.3	1.446	2.340	13.9	21.5
4 11	10 38.82	+12 37.2	1.539	2.358	17.5	21.8

89711 2001 YE_{110} 3 5.1 28.°56 6.°9/10.2 18

2 1	11 28.02	−10 29.8	1.591	2.376	17.6	18.7
2 11	11 22.97	−11 22.2	1.520	2.383	14.5	18.5
2 21	11 15.50	−11 51.3	1.468	2.390	11.0	18.3
3 2	11 6.41	−11 55.5	1.441	2.398	7.9	18.2
3 12	10 56.88	−11 36.8	1.439	2.407	6.9	18.1
3 22	10 48.12	−11 0.7	1.462	2.416	8.8	18.2
4 1	10 41.23	−10 14.7	1.510	2.425	12.1	18.4
4 11	10 36.93	− 9 27.4	1.580	2.435	15.3	18.7

430498 2001 UP_{57} 3 5.1 187.°48 2.°7/ 1.8 17

2 1	11 26.56	+14 34.2	2.732	3.573	9.4	21.9
2 11	11 21.00	+15 11.6	2.657	3.572	6.8	21.7
2 21	11 13.97	+15 50.6	2.608	3.571	4.2	21.5
3 2	11 6.01	+16 26.7	2.589	3.570	2.7	21.4
3 12	10 57.84	+16 55.4	2.601	3.568	4.3	21.5
3 22	10 50.14	+17 13.7	2.642	3.566	7.0	21.7
4 1	10 43.58	+17 19.5	2.710	3.563	9.6	21.9
4 11	10 38.61	+17 12.6	2.801	3.560	11.9	22.0

100932 1998 MV_{22} 3 5.1 71.°81 12.°9/19.4 18

2 1	11 25.61	−29 45.2	1.708	2.366	21.0	19.6
2 11	11 21.41	−30 37.3	1.630	2.371	19.1	19.4
2 21	11 14.70	−30 52.9	1.566	2.376	16.9	19.3
3 2	11 6.25	−30 26.7	1.520	2.382	14.8	19.1
3 12	10 57.26	−29 18.0	1.495	2.388	13.3	19.0
3 22	10 49.02	−27 31.8	1.493	2.393	13.0	19.0
4 1	10 42.67	−25 18.5	1.514	2.399	14.0	19.1
4 11	10 39.00	−22 52.1	1.557	2.405	15.8	19.2

136720 1995 UD_{24} 3 5.1 227.°33 0.°2/ 5.3 17

2 1	11 24.25	+ 3 31.5	2.429	3.254	11.0	21.0
2 11	11 19.50	+ 3 55.0	2.345	3.251	8.1	20.8
2 21	11 13.18	+ 4 28.2	2.286	3.248	4.8	20.6
3 2	11 5.84	+ 5 7.6	2.255	3.245	1.2	20.3
3 12	10 58.22	+ 5 48.8	2.255	3.241	2.5	20.4
3 22	10 51.07	+ 6 27.3	2.283	3.238	6.0	20.6
4 1	10 45.06	+ 6 59.2	2.340	3.235	9.3	20.8
4 11	10 40.73	+ 7 21.5	2.419	3.231	12.1	21.0

498008 2007 ER_{117} 3 5.1 280.°10 4.°4/ 1.1 17

2 1	11 28.71	+16 28.5	1.912	2.765	12.3	21.8
2 11	11 23.30	+17 17.0	1.827	2.748	9.1	21.5
2 21	11 15.66	+18 7.5	1.767	2.730	5.9	21.3
3 2	11 6.47	+18 52.9	1.734	2.711	4.4	21.2
3 12	10 56.78	+19 25.9	1.730	2.693	6.5	21.2
3 22	10 47.69	+19 41.6	1.753	2.675	10.0	21.4
4 1	10 40.22	+19 37.6	1.800	2.656	13.5	21.6
4 11	10 35.07	+19 14.3	1.867	2.637	16.6	21.8

420929 2013 NJ_{18} 3 5.1 224.°76 0.°1/ 5.2 17

2 1	11 27.01	+ 3 13.3	1.967	2.796	13.1	22.2
2 11	11 21.89	+ 3 44.2	1.881	2.789	9.7	21.9
2 21	11 14.75	+ 4 27.9	1.820	2.783	5.7	21.7
3 2	11 6.25	+ 5 20.1	1.786	2.775	1.4	21.4
3 12	10 57.32	+ 6 14.6	1.781	2.768	3.0	21.5
3 22	10 48.96	+ 7 5.5	1.805	2.760	7.3	21.7
4 1	10 42.06	+ 7 47.1	1.855	2.752	11.2	21.9
4 11	10 37.28	+ 8 16.0	1.928	2.743	14.6	22.1

171669 2000 OM_{54} 3 5.1 183.°15 2.°9/ 8.4 18

2 1	11 24.75	− 5 31.9	2.587	3.371	11.6	20.3
2 11	11 19.80	− 5 31.8	2.498	3.371	9.1	20.1
2 21	11 13.33	− 5 17.8	2.433	3.371	6.3	20.0
3 2	11 5.89	− 4 51.2	2.396	3.370	3.7	19.8
3 12	10 58.16	− 4 15.0	2.389	3.370	3.2	19.7
3 22	10 50.86	− 3 33.3	2.411	3.369	5.5	19.9
4 1	10 44.65	− 2 50.7	2.461	3.368	8.4	20.1
4 11	10 40.03	− 2 11.5	2.537	3.367	11.0	20.2

85265 1993 VR 3 5.1 90.°70 6.°7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.29	−15 11.9	1.867	2.617	16.6	19.2
2 11	11 21.37	−15 20.7	1.796	2.633	13.8	19.1
2 21	11 14.41	−15 3.1	1.745	2.648	10.7	18.9
3 2	11 6.16	−14 19.0	1.718	2.664	7.9	18.8
3 12	10 57.61	−13 12.3	1.718	2.679	6.7	18.7
3 22	10 49.79	−11 49.8	1.744	2.695	7.9	18.8
4 1	10 43.59	−10 20.4	1.797	2.710	10.6	19.0
4 11	10 39.58	− 8 52.9	1.874	2.724	13.5	19.2

503139 2015 GT_{15} 3 5.1 189.°56 1.°8/ 7.4 17

2 1	11 22.82	− 3 18.6	2.594	3.391	11.2	21.6
2 11	11 18.39	− 2 47.3	2.505	3.390	8.6	21.4
2 21	11 12.51	− 2 1.9	2.441	3.389	5.6	21.2
3 2	11 5.70	− 1 5.1	2.406	3.388	2.6	21.0
3 12	10 58.62	− 0 1.3	2.400	3.386	2.4	21.0
3 22	10 51.95	+ 1 4.4	2.425	3.385	5.4	21.2
4 1	10 46.34	+ 2 7.0	2.478	3.382	8.4	21.4
4 11	10 42.26	+ 3 1.9	2.556	3.380	11.1	21.6

89781 2002 AT_{105} 3 5.1 143.°88 0.°1/ 5.2 18

2 1	11 30.41	+ 2 59.5	1.967	2.788	13.3	21.0
2 11	11 24.19	+ 3 36.6	1.897	2.802	9.8	20.8
2 21	11 15.98	+ 4 26.2	1.853	2.815	5.8	20.5
3 2	11 6.53	+ 5 23.3	1.837	2.827	1.4	20.3
3 12	10 56.83	+ 6 21.6	1.851	2.838	3.0	20.4
3 22	10 47.87	+ 7 14.8	1.895	2.848	7.2	20.7
4 1	10 40.51	+ 7 57.9	1.966	2.857	10.9	20.9
4 11	10 35.34	+ 8 27.9	2.059	2.866	14.1	21.2

164593 4114 P–L 3 5.1 131.°68 3.°0/ 1.8 17

2 1	11 29.64	+16 5.3	2.679	3.517	9.7	20.7
2 11	11 23.15	+16 34.9	2.618	3.531	7.1	20.5
2 21	11 15.18	+17 4.4	2.583	3.544	4.4	20.4
3 2	11 6.33	+17 29.2	2.579	3.557	3.0	20.3
3 12	10 57.36	+17 45.4	2.605	3.569	4.5	20.4
3 22	10 49.01	+17 50.5	2.661	3.581	7.1	20.6
4 1	10 41.93	+17 43.2	2.745	3.593	9.7	20.8
4 11	10 36.55	+17 23.9	2.851	3.604	11.8	21.0

142891 2002 VT_{45} 3 5.1 37.°25 8.°5/26.8 18

2 1	11 30.84	+25 38.3	1.591	2.450	14.0	19.9
2 11	11 25.09	+26 57.7	1.540	2.453	11.1	19.7
2 21	11 16.73	+28 9.0	1.513	2.455	8.9	19.6
3 2	11 6.74	+29 1.4	1.511	2.458	8.7	19.5
3 12	10 56.47	+29 26.9	1.535	2.461	10.7	19.7
3 22	10 47.28	+29 22.3	1.583	2.464	13.5	19.8
4 1	10 40.27	+28 48.9	1.651	2.467	16.5	20.0
4 11	10 36.07	+27 51.3	1.738	2.470	19.0	20.2

207325 2005 GC_{132} 3 5.1 328.°39 1.°7/ 3.4 17

2 1	11 24.51	+ 8 33.3	2.052	2.897	11.9	20.9
2 11	11 19.95	+ 9 17.2	1.976	2.895	8.6	20.7
2 21	11 13.56	+10 9.1	1.925	2.893	4.9	20.4
3 2	11 5.99	+11 3.4	1.902	2.891	1.8	20.2
3 12	10 58.10	+11 54.0	1.908	2.889	3.9	20.4
3 22	10 50.78	+12 35.4	1.942	2.887	7.7	20.6
4 1	10 44.86	+13 3.6	2.002	2.885	11.2	20.8
4 11	10 40.89	+13 16.7	2.084	2.883	14.2	21.0

78781 2002 VD_{71} 3 5.1 294.°32 1.°4/ 3.6 18

2 1	11 24.24	+ 7 45.0	2.134	2.976	11.6	19.7
2 11	11 19.69	+ 8 29.7	2.057	2.974	8.4	19.5
2 21	11 13.39	+ 9 22.7	2.005	2.972	4.8	19.3
3 2	11 5.95	+10 19.0	1.981	2.970	1.5	19.1
3 12	10 58.20	+11 12.4	1.987	2.968	3.7	19.2
3 22	10 50.99	+11 57.4	2.020	2.966	7.4	19.4
4 1	10 45.11	+12 30.1	2.080	2.964	10.8	19.6
4 11	10 41.12	+12 48.3	2.163	2.962	13.7	19.8

281897 2011 BS_{5} 3 5.1 273.°94 1.°8/ 3.3 17

2 1	11 25.52	+ 7 52.8	1.845	2.691	13.0	21.0
2 11	11 20.99	+ 8 46.6	1.758	2.678	9.5	20.8
2 21	11 14.33	+ 9 51.3	1.697	2.665	5.4	20.5
3 2	11 6.20	+11 0.7	1.663	2.651	1.9	20.3
3 12	10 57.58	+12 6.9	1.657	2.637	4.4	20.4
3 22	10 49.51	+13 2.8	1.679	2.624	8.6	20.6
4 1	10 42.97	+13 43.3	1.726	2.610	12.6	20.8
4 11	10 38.65	+14 5.5	1.794	2.596	16.0	21.0

109629 2001 QR_{323} 3 5.1 111.°62 2.°1/ 2.5 18

2 1	11 23.35	+ 9 41.6	2.346	3.190	10.7	19.0
2 11	11 18.86	+10 46.9	2.279	3.198	7.6	18.9
2 21	11 12.81	+11 58.5	2.239	3.206	4.4	18.7
3 2	11 5.80	+13 10.8	2.227	3.214	2.1	18.5
3 12	10 58.56	+14 17.4	2.246	3.221	4.1	18.7
3 22	10 51.87	+15 13.2	2.293	3.228	7.3	18.9
4 1	10 46.38	+15 54.7	2.367	3.236	10.2	19.1
4 11	10 42.60	+16 20.3	2.464	3.243	12.8	19.3

115137 2003 SX_{57} 3 5.1 63°.39 0°.7/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.53	+ 1 21.5	1.516	2.354	15.8	19.3
2 11	11 21.92	+ 1 56.6	1.447	2.358	11.7	19.1
2 21	11 14.92	+ 2 49.5	1.400	2.363	7.1	18.8
3 2	11 6.34	+ 3 55.0	1.378	2.367	2.0	18.5
3 12	10 57.37	+ 5 4.7	1.384	2.372	3.4	18.6
3 22	10 49.23	+ 6 10.2	1.416	2.376	8.3	18.9
4 1	10 42.96	+ 7 4.2	1.474	2.381	12.8	19.2
4 11	10 39.25	+ 7 41.9	1.552	2.386	16.6	19.4

212856 2007 VX_{73} 3 5.1 15°.51 0°.7/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.61	+ 1 35.0	1.246	2.099	17.6	20.3
2 11	11 20.90	+ 2 7.0	1.183	2.102	13.1	20.0
2 21	11 14.48	+ 2 59.5	1.140	2.105	7.9	19.8
3 2	11 6.25	+ 4 6.5	1.120	2.110	2.2	19.4
3 12	10 57.59	+ 5 18.3	1.127	2.115	3.8	19.5
3 22	10 49.89	+ 6 24.8	1.158	2.121	9.3	19.9
4 1	10 44.35	+ 7 17.5	1.211	2.128	14.3	20.2
4 11	10 41.70	+ 7 51.5	1.285	2.135	18.4	20.4

269419 2009 ST_{66} 3 5.1 51°.57 3°.1/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.46	+11 50.6	1.673	2.529	13.6	20.1
2 11	11 22.34	+12 37.1	1.615	2.538	9.8	19.9
2 21	11 15.02	+13 29.0	1.580	2.548	5.8	19.7
3 2	11 6.35	+14 19.2	1.573	2.558	3.1	19.5
3 12	10 57.43	+15 0.2	1.593	2.568	5.4	19.7
3 22	10 49.39	+15 26.6	1.639	2.578	9.3	19.9
4 1	10 43.15	+15 35.6	1.710	2.589	13.0	20.2
4 11	10 39.30	+15 26.9	1.802	2.599	16.1	20.4

250200 2002 UM_{40} 3 5.1 47°.20 2°.6/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.21	− 5 52.6	1.381	2.204	17.9	20.0
2 11	11 19.50	− 4 50.4	1.327	2.225	13.7	19.8
2 21	11 13.45	− 3 20.3	1.293	2.246	8.9	19.6
3 2	11 5.97	− 1 28.9	1.284	2.268	4.1	19.4
3 12	10 58.28	+ 0 32.8	1.302	2.290	3.5	19.4
3 22	10 51.57	+ 2 32.2	1.347	2.313	8.0	19.7
4 1	10 46.78	+ 4 18.3	1.417	2.336	12.4	20.0
4 11	10 44.51	+ 5 44.0	1.509	2.359	16.2	20.3

306981 2001 VY_{105} 3 5.1 148°.99 4°.1/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.80	− 9 8.2	2.254	3.023	13.5	21.1
2 11	11 21.46	− 9 3.8	2.172	3.032	10.8	21.0
2 21	11 14.39	− 8 40.6	2.113	3.040	7.8	20.8
3 2	11 6.20	− 7 59.8	2.082	3.048	5.0	20.6
3 12	10 57.71	− 7 5.2	2.079	3.055	4.2	20.6
3 22	10 49.78	− 6 2.1	2.105	3.062	6.3	20.7
4 1	10 43.17	− 4 57.0	2.159	3.068	9.3	20.9
4 11	10 38.42	− 3 55.7	2.238	3.073	12.1	21.1

500467 2012 TR_{222} 3 5.1 150°.57 2°.9/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.59	+15 18.3	2.822	3.665	9.1	21.9
2 11	11 20.25	+16 4.3	2.756	3.672	6.6	21.7
2 21	11 13.53	+16 51.3	2.718	3.680	4.1	21.6
3 2	11 5.97	+17 34.8	2.709	3.687	2.9	21.5
3 12	10 58.25	+18 10.2	2.730	3.693	4.4	21.6
3 22	10 51.02	+18 34.6	2.781	3.699	6.9	21.8
4 1	10 44.87	+18 46.0	2.859	3.705	9.4	21.9
4 11	10 40.26	+18 44.2	2.959	3.711	11.5	22.1

453377 2009 BE_{115} 3 5.1 101°.41 3°.3/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.25	+10 23.7	1.540	2.396	14.6	21.0
2 11	11 23.07	+11 43.3	1.485	2.409	10.5	20.7
2 21	11 15.51	+13 11.7	1.454	2.422	6.1	20.5
3 2	11 6.47	+14 39.1	1.450	2.435	3.3	20.4
3 12	10 57.18	+15 55.5	1.473	2.447	6.0	20.6
3 22	10 48.83	+16 53.4	1.523	2.459	10.2	20.8
4 1	10 42.44	+17 28.9	1.597	2.471	14.0	21.1
4 11	10 38.62	+17 41.5	1.691	2.482	17.3	21.3

326398 2001 RH_{97} 3 5.1 93°.90 0°.1/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.59	+ 3 40.8	1.796	2.628	14.0	20.9
2 11	11 23.00	+ 4 5.6	1.733	2.643	10.2	20.7
2 21	11 15.35	+ 4 42.6	1.694	2.657	6.0	20.4
3 2	11 6.43	+ 5 26.8	1.682	2.671	1.5	20.2
3 12	10 57.28	+ 6 12.2	1.699	2.686	3.1	20.3
3 22	10 48.95	+ 6 52.7	1.744	2.700	7.4	20.6
4 1	10 42.31	+ 7 23.6	1.815	2.713	11.3	20.9
4 11	10 37.93	+ 7 42.0	1.908	2.727	14.6	21.1

361589 2007 RB_{244} 3 5.1 170°.84 2°.8/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.01	+11 32.6	1.829	2.674	13.2	21.1
2 11	11 24.87	+12 18.6	1.759	2.677	9.5	20.9
2 21	11 16.51	+13 10.4	1.714	2.680	5.6	20.7
3 2	11 6.72	+14 1.1	1.697	2.682	2.8	20.5
3 12	10 56.60	+14 43.5	1.709	2.684	5.1	20.6
3 22	10 47.26	+15 12.4	1.749	2.685	9.0	20.9
4 1	10 39.68	+15 24.7	1.814	2.686	12.7	21.1
4 11	10 34.48	+15 19.9	1.901	2.685	15.8	21.3

373466 2000 RT_{19} 3 5.1 229°.89 2°.1/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.48	− 3 26.5	2.589	3.379	11.4	22.8
2 11	11 21.18	− 3 5.5	2.482	3.363	8.8	22.6
2 21	11 14.25	− 2 30.3	2.401	3.347	5.8	22.4
3 2	11 6.19	− 1 42.9	2.348	3.330	2.8	22.2
3 12	10 57.72	− 0 47.2	2.326	3.312	2.7	22.1
3 22	10 49.58	+ 0 12.0	2.335	3.293	5.7	22.3
4 1	10 42.50	+ 1 9.4	2.372	3.273	8.9	22.5
4 11	10 37.07	+ 2 0.5	2.434	3.253	11.8	22.6

226787 2004 RQ_{166} 3 5.1 84°.69 1°.1/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.72	− 1 3.2	1.907	2.727	13.8	20.9
2 11	11 20.09	− 0 11.5	1.843	2.744	10.3	20.7
2 21	11 13.62	+ 0 56.9	1.803	2.761	6.3	20.5
3 2	11 6.02	+ 2 17.0	1.790	2.778	2.1	20.2
3 12	10 58.21	+ 3 41.4	1.807	2.795	2.7	20.3
3 22	10 51.11	+ 5 2.4	1.852	2.811	6.8	20.6
4 1	10 45.50	+ 6 13.6	1.924	2.828	10.5	20.8
4 11	10 41.91	+ 7 10.3	2.019	2.844	13.6	21.1

212679 2006 VK_{67} 3 5.1 276°.40 1°.8/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.92	+ 9 44.5	2.400	3.242	10.5	20.3
2 11	11 19.33	+10 24.8	2.317	3.234	7.6	20.1
2 21	11 13.15	+11 11.2	2.260	3.227	4.4	19.9
3 2	11 5.92	+11 58.9	2.232	3.220	1.8	19.7
3 12	10 58.39	+12 42.7	2.234	3.212	3.7	19.8
3 22	10 51.32	+13 18.0	2.264	3.205	7.0	20.0
4 1	10 45.43	+13 41.7	2.321	3.197	10.1	20.2
4 11	10 41.23	+13 52.0	2.401	3.190	12.8	20.4

79074 3530 T_{-3} 3 5.1 79°.52 0°.5/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.15	+ 2 26.6	2.073	2.900	12.5	19.6
2 11	11 20.33	+ 2 53.3	2.002	2.909	9.3	19.4
2 21	11 13.75	+ 3 31.9	1.956	2.917	5.5	19.2
3 2	11 6.06	+ 4 18.5	1.937	2.926	1.5	19.0
3 12	10 58.12	+ 5 7.5	1.947	2.935	2.7	19.1
3 22	10 50.80	+ 5 53.4	1.986	2.943	6.6	19.3
4 1	10 44.87	+ 6 31.6	2.052	2.952	10.1	19.6
4 11	10 40.86	+ 6 58.7	2.140	2.960	13.1	19.8

502064 2015 AH_{180} 3 5.1 108°.12 3°.3/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.83	+12 53.8	1.962	2.815	12.0	21.4
2 11	11 20.97	+13 56.5	1.896	2.818	8.7	21.2
2 21	11 14.18	+15 3.9	1.855	2.822	5.3	21.0
3 2	11 6.17	+16 9.0	1.843	2.825	3.3	20.9
3 12	10 57.87	+17 4.5	1.859	2.829	5.5	21.0
3 22	10 50.26	+17 45.0	1.903	2.832	8.9	21.3
4 1	10 44.15	+18 7.6	1.972	2.835	12.2	21.5
4 11	10 40.13	+18 11.6	2.061	2.838	15.0	21.7

239493 2007 VO_{34} 3 5.1 291°.84 7°.8/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.96	+29 36.0	2.216	3.061	11.1	20.0
2 11	11 22.49	+30 52.1	2.163	3.060	9.2	19.9
2 21	11 15.05	+31 59.1	2.134	3.058	7.9	19.8
3 2	11 6.37	+32 49.1	2.133	3.056	8.1	19.8
3 12	10 57.45	+33 16.2	2.158	3.054	9.6	19.9
3 22	10 49.27	+33 18.2	2.208	3.052	11.7	20.1
4 1	10 42.67	+32 55.5	2.280	3.051	13.8	20.2
4 11	10 38.23	+32 11.3	2.370	3.049	15.8	20.4

416577 2004 EP_{98} 3 5.1 179°.69 0°.4/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.96	+ 4 21.0	2.249	3.075	11.7	21.1
2 11	11 21.60	+ 5 8.1	2.169	3.076	8.6	20.9
2 21	11 14.49	+ 6 6.1	2.114	3.077	5.0	20.7
3 2	11 6.25	+ 7 10.2	2.088	3.078	1.1	20.4
3 12	10 57.70	+ 8 14.3	2.093	3.078	3.0	20.5
3 22	10 49.68	+ 9 12.7	2.127	3.077	6.8	20.8
4 1	10 42.97	+10 0.8	2.189	3.075	10.2	21.0
4 11	10 38.13	+10 35.4	2.274	3.073	13.1	21.2

229501 2005 VY_{55} 3 5.1 84°.35 1°.7/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.77	− 0 38.4	1.805	2.625	14.4	20.7
2 11	11 21.77	− 0 24.1	1.732	2.632	10.9	20.5
2 21	11 14.70	+ 0 6.1	1.682	2.639	6.8	20.2
3 2	11 6.31	+ 0 48.8	1.660	2.646	2.7	20.0
3 12	10 57.59	+ 1 38.5	1.665	2.652	3.0	20.0
3 22	10 49.58	+ 2 28.5	1.698	2.659	7.1	20.3
4 1	10 43.18	+ 3 13.1	1.757	2.666	11.0	20.5
4 11	10 39.00	+ 3 47.3	1.839	2.672	14.4	20.8

518162 2016 GL_{259} 3 5.1 217°.69 2°.2/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.45	+10 12.0	2.205	3.049	11.3	21.7
2 11	11 20.58	+11 5.3	2.126	3.044	8.1	21.5
2 21	11 13.93	+12 5.2	2.073	3.040	4.7	21.3
3 2	11 6.12	+13 6.1	2.048	3.035	2.2	21.1
3 12	10 57.99	+14 1.7	2.053	3.029	4.3	21.3
3 22	10 50.38	+14 46.6	2.087	3.024	7.8	21.5
4 1	10 44.09	+15 17.2	2.147	3.018	11.0	21.6
4 11	10 39.68	+15 32.0	2.229	3.012	13.9	21.8

459965 2014 OA_1 3 5.1 183°.03 1°.8/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.75	+ 7 26.4	2.056	2.892	12.2	22.1
2 11	11 22.34	+ 8 36.1	1.978	2.893	8.9	21.9
2 21	11 15.00	+ 9 56.1	1.927	2.894	5.1	21.7
3 2	11 6.39	+11 19.7	1.905	2.893	1.9	21.4
3 12	10 57.42	+12 39.2	1.913	2.892	4.2	21.6
3 22	10 49.04	+13 47.7	1.950	2.890	8.0	21.8
4 1	10 42.12	+14 40.5	2.014	2.887	11.6	22.0
4 11	10 37.25	+15 15.3	2.100	2.884	14.6	22.2

413662 2005 VL_{76} 3 5.1 146°.92 6°.4/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.84	−17 1.6	2.416	3.131	14.2	21.5
2 11	11 22.20	−17 20.6	2.332	3.142	11.9	21.3
2 21	11 14.83	−17 17.9	2.270	3.153	9.6	21.2
3 2	11 6.34	−16 53.1	2.233	3.163	7.4	21.1
3 12	10 57.54	−16 8.0	2.224	3.172	6.4	21.0
3 22	10 49.28	−15 7.2	2.243	3.180	7.3	21.1
4 1	10 42.30	−13 56.9	2.290	3.188	9.3	21.2
4 11	10 37.17	−12 44.1	2.361	3.195	11.6	21.4

430593 2002 SK_{38} 3 5.1 89°.09 0°.9/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.95	+ 6 45.5	2.299	3.130	11.3	21.8
2 11	11 21.37	+ 7 20.8	2.243	3.155	8.2	21.6
2 21	11 14.22	+ 8 3.3	2.214	3.179	4.6	21.4
3 2	11 6.16	+ 8 48.3	2.213	3.203	1.2	21.2
3 12	10 58.01	+ 9 30.9	2.243	3.226	3.0	21.4
3 22	10 50.52	+10 6.6	2.302	3.249	6.5	21.7
4 1	10 44.38	+10 32.3	2.388	3.272	9.6	21.9
4 11	10 40.03	+10 46.3	2.498	3.295	12.2	22.1

252218 2001 KO_{25} 3 5.1 287°.86 1°.1/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.74	+ 6 9.3	1.614	2.461	14.5	20.9
2 11	11 22.19	+ 6 47.9	1.526	2.445	10.7	20.6
2 21	11 15.20	+ 7 39.9	1.462	2.430	6.2	20.3
3 2	11 6.49	+ 8 39.2	1.424	2.414	1.6	20.0
3 12	10 57.15	+ 9 38.0	1.414	2.399	4.2	20.1
3 22	10 48.43	+10 28.5	1.431	2.383	9.1	20.4
4 1	10 41.44	+11 4.7	1.471	2.368	13.6	20.6
4 11	10 37.01	+11 23.0	1.533	2.352	17.5	20.8

405885 2006 EC_{67} 3 5.1 285°.49 1°.5/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.67	+ 5 27.6	1.456	2.308	15.5	21.6
2 11	11 21.61	+ 6 30.4	1.373	2.295	11.4	21.3
2 21	11 14.96	+ 7 50.6	1.313	2.281	6.6	21.0
3 2	11 6.45	+ 9 20.6	1.278	2.268	1.8	20.6
3 12	10 57.29	+10 49.9	1.271	2.255	4.8	20.8
3 22	10 48.80	+12 8.2	1.290	2.241	10.0	21.1
4 1	10 42.20	+13 7.5	1.332	2.228	14.8	21.3
4 11	10 38.34	+13 43.8	1.394	2.215	18.8	21.5

492211 2013 SO_{29} 3 5.1 152°.33 2°.3/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.19	− 2 52.1	2.118	2.922	13.1	21.4
2 11	11 21.13	− 2 41.2	2.037	2.925	10.1	21.2
2 21	11 14.27	− 2 14.9	1.980	2.929	6.6	21.0
3 2	11 6.23	− 1 35.6	1.950	2.932	3.2	20.8
3 12	10 57.86	− 0 47.8	1.949	2.935	3.0	20.8
3 22	10 50.07	+ 0 2.9	1.977	2.938	6.3	21.0
4 1	10 43.63	+ 0 51.1	2.033	2.940	9.8	21.2
4 11	10 39.13	+ 1 31.9	2.112	2.943	12.9	21.4

170242 2003 QL_{35} 3 5.1 112°.89 0°.2/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.00	+ 3 59.5	1.759	2.590	14.2	21.0
2 11	11 24.06	+ 4 35.6	1.697	2.607	10.4	20.8
2 21	11 16.00	+ 5 24.1	1.660	2.624	6.1	20.6
3 2	11 6.63	+ 6 19.5	1.651	2.641	1.4	20.3
3 12	10 57.05	+ 7 14.8	1.670	2.656	3.3	20.5
3 22	10 48.33	+ 8 3.5	1.718	2.672	7.7	20.8
4 1	10 41.38	+ 8 40.6	1.792	2.686	11.6	21.0
4 11	10 36.78	+ 9 3.4	1.887	2.700	14.9	21.3

386961 2011 SN_{237} 3 5.1 258°.42 0°.2/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.34	+ 4 41.3	2.477	3.304	10.7	21.4
2 11	11 19.65	+ 5 9.8	2.383	3.291	7.9	21.2
2 21	11 13.37	+ 5 47.5	2.315	3.279	4.6	21.0
3 2	11 6.02	+ 6 30.9	2.276	3.266	1.1	20.7
3 12	10 58.32	+ 7 15.2	2.267	3.252	2.6	20.8
3 22	10 51.02	+ 7 56.0	2.287	3.239	6.2	21.0
4 1	10 44.83	+ 8 29.2	2.335	3.226	9.5	21.2
4 11	10 40.29	+ 8 52.0	2.406	3.212	12.3	21.4

178432 1998 TR_{35} 3 5.1 59°.02 2°.6/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.20	− 3 6.6	1.474	2.297	16.9	20.4
2 11	11 22.28	− 2 44.7	1.420	2.319	12.9	20.2
2 21	11 15.05	− 2 1.3	1.388	2.342	8.3	20.0
3 2	11 6.41	− 1 0.9	1.381	2.365	3.7	19.8
3 12	10 57.58	+ 0 8.7	1.400	2.387	3.5	19.9
3 22	10 49.75	+ 1 18.8	1.447	2.410	7.8	20.2
4 1	10 43.88	+ 2 21.4	1.518	2.434	12.0	20.5
4 11	10 40.53	+ 3 10.8	1.611	2.457	15.5	20.7

321060 2008 RH_{138} 3 5.1 112°.38 0°.0/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.81	+ 3 56.8	2.084	2.913	12.4	21.3
2 11	11 21.54	+ 4 22.0	2.014	2.922	9.1	21.1
2 21	11 14.48	+ 4 57.7	1.968	2.931	5.4	20.8
3 2	11 6.28	+ 5 39.7	1.950	2.939	1.3	20.6
3 12	10 57.84	+ 6 22.8	1.961	2.948	2.8	20.7
3 22	10 50.04	+ 7 1.7	2.001	2.956	6.7	21.0
4 1	10 43.65	+ 7 32.3	2.068	2.964	10.3	21.2
4 11	10 39.24	+ 7 51.6	2.159	2.972	13.3	21.4

128070 2003 OE_8 3 5.1 223°.86 2°.3/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.92	− 2 5.8	2.410	3.205	12.0	20.2
2 11	11 23.04	− 2 14.3	2.312	3.196	9.3	20.0
2 21	11 15.39	− 2 10.6	2.239	3.186	6.1	19.7
3 2	11 6.52	− 1 56.1	2.194	3.175	3.1	19.5
3 12	10 57.24	− 1 33.8	2.180	3.165	2.9	19.5
3 22	10 48.38	− 1 7.5	2.196	3.153	6.0	19.7
4 1	10 40.74	− 0 41.5	2.240	3.142	9.3	19.9
4 11	10 34.90	− 0 19.6	2.308	3.129	12.3	20.0

135495 2001 XB_{58} 3 5.1 139°.35 0°.8/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.32	+ 6 59.0	2.841	3.669	9.5	20.8
2 11	11 19.33	+ 7 37.1	2.770	3.680	6.8	20.7
2 21	11 13.02	+ 8 21.5	2.725	3.690	3.9	20.5
3 2	11 5.92	+ 9 8.3	2.711	3.700	1.1	20.3
3 12	10 58.65	+ 9 53.2	2.727	3.710	2.7	20.4
3 22	10 51.83	+10 32.6	2.774	3.719	5.6	20.6
4 1	10 46.04	+11 3.3	2.848	3.727	8.4	20.8
4 11	10 41.69	+11 23.6	2.947	3.736	10.7	21.0

431988 2008 UX_{237} 3 5.1 195°.75 5°.2/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.79	+22 36.0	2.467	3.311	10.2	21.6
2 11	11 23.58	+23 28.3	2.399	3.308	7.8	21.5
2 21	11 15.62	+24 16.9	2.358	3.306	5.8	21.3
3 2	11 6.56	+24 55.5	2.346	3.302	5.3	21.3
3 12	10 57.24	+25 18.9	2.362	3.299	6.8	21.4
3 22	10 48.55	+25 24.4	2.407	3.294	9.2	21.5
4 1	10 41.24	+25 11.4	2.476	3.290	11.7	21.7
4 11	10 35.85	+24 41.3	2.567	3.285	13.8	21.8

175360 2005 QN_{57} 3 5.1 252°.63 1°.7/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.00	− 1 35.2	2.514	3.318	11.3	20.6
2 11	11 19.37	− 1 23.1	2.419	3.309	8.6	20.4
2 21	11 13.20	− 0 58.6	2.350	3.301	5.6	20.2
3 2	11 5.99	− 0 23.7	2.308	3.292	2.5	20.0
3 12	10 58.46	+ 0 17.8	2.296	3.283	2.5	20.0
3 22	10 51.31	+ 1 1.4	2.314	3.274	5.6	20.1
4 1	10 45.25	+ 1 42.7	2.360	3.264	8.8	20.3
4 11	10 40.81	+ 2 17.6	2.429	3.255	11.6	20.5

57252 2001 QS_{96} 3 5.1 349°.85 3°.3/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.07	+14 4.0	1.519	2.374	14.8	17.0
2 11	11 26.80	+14 10.7	1.449	2.371	10.9	16.8
2 21	11 17.84	+14 19.2	1.401	2.368	6.6	16.5
3 2	11 7.13	+14 23.2	1.380	2.366	3.4	16.3
3 12	10 56.01	+14 16.6	1.387	2.364	5.7	16.4
3 22	10 45.87	+13 56.0	1.419	2.362	10.1	16.7
4 1	10 37.88	+13 20.2	1.477	2.362	14.3	16.9
4 11	10 32.76	+12 30.4	1.554	2.361	17.8	17.2

31165 1997 WN_{43} 3 5.1 177°.25 4°.0/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.30	− 9 38.7	2.544	3.302	12.5	20.2
2 11	11 21.73	− 9 36.9	2.452	3.305	10.0	20.0
2 21	11 14.55	− 9 18.1	2.385	3.307	7.3	19.8
3 2	11 6.32	− 8 43.1	2.345	3.308	4.8	19.7
3 12	10 57.76	− 7 54.9	2.335	3.308	4.1	19.6
3 22	10 49.66	− 6 58.0	2.354	3.308	5.9	19.7
4 1	10 42.72	− 5 57.9	2.402	3.307	8.6	19.9
4 11	10 37.48	− 5 0.1	2.476	3.305	11.3	20.1

124890 2001 TU_{46} 3 5.1 145°.17 2°.6/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.78	− 3 35.0	1.792	2.597	15.2	20.6
2 11	11 23.99	− 3 15.3	1.718	2.607	11.6	20.4
2 21	11 16.04	− 2 36.6	1.668	2.617	7.6	20.1
3 2	11 6.68	− 1 41.9	1.644	2.626	3.6	19.9
3 12	10 56.99	− 0 37.3	1.649	2.635	3.4	19.9
3 22	10 48.04	+ 0 29.9	1.682	2.642	7.2	20.2
4 1	10 40.81	+ 1 32.5	1.742	2.649	11.2	20.4
4 11	10 35.91	+ 2 24.6	1.825	2.656	14.6	20.6

425667 2010 XQ_{63} 3 5.1 119°.18 4°.2/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.55	+15 12.2	1.862	2.716	12.6	21.6
2 11	11 23.01	+16 17.7	1.804	2.725	9.1	21.4
2 21	11 15.41	+17 25.5	1.771	2.735	5.8	21.2
3 2	11 6.52	+18 27.8	1.766	2.744	4.2	21.1
3 12	10 57.39	+19 17.1	1.789	2.752	6.3	21.2
3 22	10 49.07	+19 48.5	1.840	2.761	9.7	21.5
4 1	10 42.44	+19 59.9	1.915	2.769	12.9	21.7
4 11	10 38.08	+19 51.9	2.010	2.777	15.7	21.9

226751 2004 RE_{28} 3 5.1 117°.96 0°.3/ 4.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.40	+ 4 3.5	2.205	3.031	11.9	21.1
2 11	11 21.12	+ 4 49.2	2.139	3.048	8.7	21.0
2 21	11 14.17	+ 5 45.4	2.100	3.063	5.0	20.8
3 2	11 6.21	+ 6 47.1	2.089	3.079	1.1	20.5
3 12	10 58.06	+ 7 48.4	2.108	3.094	2.9	20.7
3 22	10 50.54	+ 8 43.7	2.157	3.108	6.6	20.9
4 1	10 44.37	+ 9 28.7	2.233	3.122	9.9	21.2
4 11	10 40.04	+10 0.7	2.332	3.135	12.7	21.4

389280 2009 HQ_{46} 3 5.1 270°.91 0°.2/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.77	+ 1 32.5	2.387	3.210	11.2	21.4
2 11	11 17.80	+ 2 24.6	2.300	3.205	8.3	21.2
2 21	11 12.29	+ 3 29.6	2.239	3.200	4.9	21.0
3 2	11 5.78	+ 4 43.3	2.206	3.196	1.3	20.7
3 12	10 58.96	+ 5 59.8	2.204	3.191	2.5	20.8
3 22	10 52.58	+ 7 13.3	2.231	3.186	6.1	21.0
4 1	10 47.30	+ 8 18.2	2.285	3.181	9.4	21.2
4 11	10 43.65	+ 9 10.7	2.363	3.176	12.3	21.4

232737 2004 FS_{30} 3 5.1 224°.68 3°.3/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.32	+10 34.3	1.672	2.523	13.9	20.9
2 11	11 24.02	+11 52.1	1.592	2.514	10.1	20.7
2 21	11 16.26	+13 20.5	1.536	2.503	6.0	20.4
3 2	11 6.78	+14 50.5	1.508	2.493	3.3	20.2
3 12	10 56.73	+16 12.0	1.508	2.481	6.0	20.3
3 22	10 47.35	+17 16.8	1.536	2.469	10.3	20.6
4 1	10 39.76	+17 59.5	1.588	2.456	14.4	20.8
4 11	10 34.74	+18 18.8	1.660	2.443	17.9	21.0

246204 2007 RA_{142} 3 5.1 190°.41 0°.0/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.34	+ 2 41.2	2.050	2.872	12.8	21.5
2 11	11 22.81	+ 3 27.2	1.966	2.871	9.5	21.3
2 21	11 15.32	+ 4 26.6	1.907	2.869	5.6	21.0
3 2	11 6.52	+ 5 34.7	1.877	2.867	1.4	20.7
3 12	10 57.34	+ 6 44.9	1.877	2.863	3.0	20.9
3 22	10 48.72	+ 7 50.4	1.906	2.859	7.2	21.1
4 1	10 41.55	+ 8 45.6	1.963	2.854	11.0	21.3
4 11	10 36.44	+ 9 26.7	2.042	2.848	14.2	21.5

12510 1998 FM_{121} 3 5.1 186°.21 1°.9/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.32	− 2 21.4	2.118	2.920	13.2	19.5
2 11	11 22.75	− 1 58.8	2.031	2.920	10.1	19.3
2 21	11 15.26	− 1 20.3	1.969	2.920	6.5	19.1
3 2	11 6.51	− 0 28.7	1.934	2.918	2.9	18.9
3 12	10 57.38	+ 0 30.8	1.930	2.916	2.9	18.8
3 22	10 48.79	+ 1 32.1	1.954	2.913	6.5	19.1
4 1	10 41.60	+ 2 29.3	2.007	2.910	10.2	19.3
4 11	10 36.42	+ 3 17.3	2.083	2.905	13.4	19.5

501846 2014 WH_{165} 3 5.1 39°.50 4°.4/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.56	+14 34.0	1.530	2.394	14.2	20.7
2 11	11 22.62	+15 31.5	1.477	2.403	10.3	20.5
2 21	11 15.30	+16 32.2	1.447	2.413	6.4	20.3
3 2	11 6.51	+17 27.2	1.443	2.424	4.4	20.2
3 12	10 57.48	+18 8.4	1.466	2.435	6.7	20.4
3 22	10 49.44	+18 30.3	1.515	2.446	10.6	20.6
4 1	10 43.36	+18 31.0	1.587	2.458	14.2	20.9
4 11	10 39.85	+18 11.4	1.678	2.470	17.4	21.1

505075 2011 SW_{271} 3 5.1 201°.53 2°.8/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.90	− 6 53.6	2.795	3.571	11.0	22.1
2 11	11 18.43	− 6 36.8	2.700	3.568	8.7	21.9
2 21	11 12.59	− 6 5.4	2.630	3.564	6.1	21.7
3 2	11 5.85	− 5 20.9	2.588	3.561	3.6	21.6
3 12	10 58.85	− 4 26.7	2.576	3.557	3.0	21.5
3 22	10 52.21	− 3 27.1	2.594	3.552	5.1	21.6
4 1	10 46.54	− 2 27.1	2.640	3.548	7.8	21.8
4 11	10 42.31	− 1 31.1	2.712	3.543	10.4	22.0

494715 2005 QB_{82} 3 5.1 140°.06 1°.7/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.40	+ 6 34.9	1.727	2.566	14.1	22.2
2 11	11 24.47	+ 7 43.5	1.664	2.580	10.2	22.0
2 21	11 16.31	+ 9 3.9	1.626	2.593	5.8	21.8
3 2	11 6.76	+10 28.2	1.616	2.605	1.9	21.5
3 12	10 56.93	+11 47.5	1.635	2.616	4.4	21.7
3 22	10 47.95	+12 54.1	1.683	2.627	8.7	22.0
4 1	10 40.77	+13 43.2	1.756	2.636	12.6	22.3
4 11	10 36.02	+14 12.6	1.850	2.645	15.9	22.5

433232 2012 VN_{33} 3 5.1 167°.08 0°.5/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.81	+ 5 19.8	2.661	3.487	10.1	21.8
2 11	11 19.09	+ 6 0.2	2.582	3.490	7.3	21.6
2 21	11 12.97	+ 6 48.7	2.529	3.493	4.2	21.4
3 2	11 5.94	+ 7 41.4	2.506	3.496	1.0	21.2
3 12	10 58.70	+ 8 33.6	2.513	3.498	2.6	21.3
3 22	10 51.89	+ 9 21.0	2.550	3.499	5.8	21.5
4 1	10 46.14	+ 9 59.8	2.615	3.501	8.8	21.7
4 11	10 41.91	+10 27.6	2.705	3.502	11.3	21.9

433144 2012 TH_{231} 3 5.1 86°.19 7°.5/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.53	+30 35.0	2.359	3.196	10.9	20.6
2 11	11 24.13	+31 33.4	2.317	3.209	8.9	20.5
2 21	11 15.91	+32 21.1	2.301	3.221	7.7	20.4
3 2	11 6.63	+32 51.6	2.312	3.233	7.7	20.4
3 12	10 57.28	+33 0.4	2.351	3.246	9.0	20.5
3 22	10 48.78	+32 46.3	2.414	3.258	10.9	20.7
4 1	10 41.89	+32 10.7	2.501	3.270	12.8	20.8
4 11	10 37.10	+31 16.7	2.606	3.282	14.5	21.0

124457 2001 QE_{280} 3 5.1 198°.26 3°.4/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.89	+12 13.5	1.822	2.668	13.1	20.6
2 11	11 24.93	+13 17.2	1.746	2.665	9.6	20.4
2 21	11 16.67	+14 27.4	1.696	2.661	5.7	20.1
3 2	11 6.88	+15 36.2	1.674	2.657	3.4	20.0
3 12	10 56.65	+16 35.5	1.681	2.651	5.7	20.1
3 22	10 47.12	+17 18.8	1.715	2.645	9.6	20.3
4 1	10 39.33	+17 42.5	1.775	2.638	13.4	20.5
4 11	10 33.97	+17 46.3	1.855	2.631	16.5	20.7

31185 1997 YK_5 3 5.1 112°.13 8°.0/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.69	+25 22.9	1.823	2.681	12.6	17.7
2 11	11 22.62	+27 8.0	1.774	2.685	10.0	17.5
2 21	11 15.29	+28 46.6	1.750	2.689	8.2	17.4
3 2	11 6.53	+30 8.3	1.753	2.692	8.3	17.4
3 12	10 57.47	+31 4.8	1.782	2.696	10.2	17.6
3 22	10 49.25	+31 32.2	1.836	2.700	12.8	17.7
4 1	10 42.85	+31 30.7	1.911	2.703	15.4	17.9
4 11	10 38.88	+31 3.5	2.003	2.707	17.6	18.1

322810 2001 SX_{24} 3 5.1 183°.63 1°.6/ 6.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.58	− 2 40.4	2.249	3.052	12.5	22.3
2 11	11 20.65	− 1 58.4	2.163	3.052	9.5	22.1
2 21	11 14.00	− 1 0.0	2.101	3.052	6.1	21.9
3 2	11 6.22	+ 0 11.2	2.067	3.052	2.5	21.7
3 12	10 58.11	+ 1 29.5	2.063	3.051	2.6	21.7
3 22	10 50.50	+ 2 48.5	2.090	3.049	6.1	21.9
4 1	10 44.15	+ 4 1.7	2.144	3.046	9.6	22.1
4 11	10 39.61	+ 5 4.2	2.223	3.043	12.7	22.3

326701 2003 BK_7 3 5.1 31°.32 2°.6/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.05	+ 0 21.8	1.485	2.314	16.5	19.9
2 11	11 25.28	− 0 10.7	1.418	2.321	12.6	19.6
2 21	11 16.95	− 0 28.2	1.373	2.329	8.1	19.4
3 2	11 6.94	− 0 32.5	1.353	2.338	3.6	19.1
3 12	10 56.57	− 0 27.3	1.361	2.347	3.8	19.2
3 22	10 47.13	− 0 17.8	1.395	2.357	8.2	19.5
4 1	10 39.75	− 0 9.1	1.454	2.367	12.5	19.7
4 11	10 35.12	− 0 6.1	1.534	2.378	16.2	20.0

496032 2008 SS_{294} 3 5.1 200°.74 4°.5/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.42	−10 50.5	2.677	3.425	12.2	22.1
2 11	11 21.83	−11 4.5	2.578	3.421	9.9	22.0
2 21	11 14.64	−11 2.5	2.503	3.415	7.5	21.8
3 2	11 6.38	−10 44.3	2.455	3.410	5.2	21.6
3 12	10 57.75	−10 12.0	2.436	3.403	4.5	21.6
3 22	10 49.50	− 9 29.3	2.447	3.396	6.0	21.7
4 1	10 42.33	− 8 41.0	2.486	3.389	8.5	21.8
4 11	10 36.79	− 7 52.3	2.551	3.380	11.0	22.0

331635 2002 GC_{184} 3 5.1 261°.45 0°.5/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.61	+ 1 35.7	1.989	2.816	13.0	21.5
2 11	11 20.16	+ 2 11.9	1.904	2.810	9.7	21.3
2 21	11 13.82	+ 3 2.3	1.843	2.805	5.8	21.0
3 2	11 6.19	+ 4 2.9	1.810	2.799	1.7	20.7
3 12	10 58.18	+ 5 7.5	1.805	2.793	2.8	20.8
3 22	10 50.70	+ 6 9.5	1.829	2.787	7.0	21.1
4 1	10 44.60	+ 7 2.8	1.880	2.781	10.8	21.3
4 11	10 40.52	+ 7 43.4	1.953	2.775	14.1	21.5

204875 2007 SZ_8 3 5.1 99°.87 1°.0/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.09	+ 6 55.2	2.284	3.119	11.2	20.8
2 11	11 20.15	+ 7 37.1	2.218	3.132	8.1	20.6
2 21	11 13.63	+ 8 26.9	2.178	3.144	4.6	20.4
3 2	11 6.12	+ 9 19.6	2.167	3.156	1.3	20.2
3 12	10 58.42	+10 9.9	2.185	3.168	3.2	20.3
3 22	10 51.31	+10 52.8	2.233	3.180	6.7	20.6
4 1	10 45.47	+11 24.8	2.308	3.192	9.8	20.8
4 11	10 41.41	+11 44.0	2.405	3.203	12.5	21.0

431275 2006 UC_{115} 3 5.1 195°.41 2°.5/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.56	− 5 11.0	2.472	3.263	11.8	21.8
2 11	11 18.33	− 4 45.6	2.383	3.263	9.2	21.6
2 21	11 12.60	− 4 4.5	2.319	3.262	6.2	21.4
3 2	11 5.88	− 3 9.9	2.282	3.261	3.3	21.2
3 12	10 58.89	− 2 6.3	2.275	3.260	2.8	21.1
3 22	10 52.32	− 0 58.9	2.298	3.259	5.5	21.3
4 1	10 46.85	+ 0 6.8	2.348	3.258	8.6	21.5
4 11	10 42.98	+ 1 5.7	2.424	3.256	11.4	21.7

48620 1995 MN_5 3 5.1 98°.89 3°.0/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.33	+12 19.4	2.192	3.042	11.1	19.4
2 11	11 19.72	+13 29.2	2.129	3.051	8.0	19.2
2 21	11 13.42	+14 43.6	2.093	3.059	4.8	19.0
3 2	11 6.08	+15 56.0	2.086	3.068	3.0	18.9
3 12	10 58.51	+16 59.8	2.108	3.076	5.0	19.1
3 22	10 51.55	+17 49.9	2.158	3.085	8.1	19.3
4 1	10 45.91	+18 23.1	2.233	3.093	11.1	19.5
4 11	10 42.11	+18 38.6	2.330	3.101	13.7	19.7

210929 2001 TP_{74} 3 5.1 215°.99 1°.7/ 7.3 18

2 1	11 23.04	− 2 50.5	2.564	3.364	11.2	20.5
2 11	11 18.65	− 2 21.6	2.472	3.360	8.6	20.3
2 21	11 12.78	− 1 38.8	2.405	3.355	5.6	20.1
3 2	11 5.93	− 0 44.8	2.367	3.350	2.6	19.9
3 12	10 58.79	+ 0 16.3	2.358	3.344	2.4	19.9
3 22	10 52.05	+ 1 19.3	2.379	3.339	5.4	20.0
4 1	10 46.36	+ 2 19.2	2.428	3.333	8.5	20.2
4 11	10 42.22	+ 3 11.4	2.502	3.327	11.3	20.4

265409 2004 TL_{90} 3 5.1 215°.34 0°.3/ 4.8 18

2 1	11 27.43	+ 5 8.5	2.217	3.045	11.8	21.0
2 11	11 22.05	+ 5 33.7	2.131	3.039	8.7	20.7
2 21	11 14.85	+ 6 8.4	2.070	3.033	5.1	20.5
3 2	11 6.44	+ 6 48.6	2.037	3.027	1.2	20.2
3 12	10 57.68	+ 7 29.3	2.035	3.020	2.9	20.3
3 22	10 49.42	+ 8 5.4	2.061	3.013	6.8	20.6
4 1	10 42.48	+ 8 33.0	2.115	3.005	10.3	20.8
4 11	10 37.45	+ 8 49.4	2.192	2.998	13.3	21.0

330081 2005 WV_{35} 3 5.1 155°.07 2°.6/ 7.7 17

2 1	11 25.98	− 3 55.9	2.016	2.818	13.8	21.0
2 11	11 21.10	− 3 40.6	1.935	2.822	10.6	20.8
2 21	11 14.33	− 3 8.0	1.877	2.824	7.1	20.5
3 2	11 6.32	− 2 20.6	1.846	2.827	3.6	20.3
3 12	10 57.97	− 1 23.3	1.844	2.829	3.2	20.3
3 22	10 50.20	− 0 22.3	1.870	2.832	6.5	20.5
4 1	10 43.84	+ 0 36.0	1.924	2.834	10.2	20.7
4 11	10 39.50	+ 1 26.1	2.001	2.835	13.4	20.9

73908 1997 GS_{18} 3 5.1 245°.29 3°.6/ 1.5 18

2 1	11 29.43	+16 10.0	2.316	3.160	10.8	20.1
2 11	11 23.51	+16 49.4	2.230	3.146	8.0	19.9
2 21	11 15.72	+17 30.0	2.170	3.131	5.1	19.7
3 2	11 6.67	+18 6.1	2.139	3.116	3.6	19.6
3 12	10 57.22	+18 32.2	2.137	3.101	5.4	19.6
3 22	10 48.30	+18 44.5	2.164	3.085	8.5	19.8
4 1	10 40.73	+18 41.1	2.218	3.069	11.5	20.0
4 11	10 35.12	+18 22.0	2.293	3.052	14.2	20.1

111008 2001 VF_3 3 5.1 323°.23 3°.4/ 2.4 18

2 1	11 28.39	+12 51.2	1.630	2.487	13.9	19.0
2 11	11 23.30	+13 31.2	1.558	2.481	10.1	18.8
2 21	11 15.80	+14 16.4	1.509	2.476	6.1	18.5
3 2	11 6.70	+14 59.4	1.486	2.471	3.4	18.4
3 12	10 57.18	+15 32.7	1.491	2.466	5.8	18.5
3 22	10 48.43	+15 50.7	1.523	2.461	9.9	18.7
4 1	10 41.54	+15 50.5	1.578	2.457	13.9	18.9
4 11	10 37.20	+15 31.9	1.653	2.452	17.3	19.1

244159 2001 WN_{103} 3 5.1 73°.90 4°.2/29.2 18

2 1	11 24.34	+16 40.6	2.236	3.091	10.7	20.3
2 11	11 19.73	+17 50.6	2.177	3.098	7.8	20.1
2 21	11 13.43	+19 1.5	2.144	3.105	5.2	19.9
3 2	11 6.09	+20 6.7	2.139	3.112	4.2	19.9
3 12	10 58.54	+20 59.9	2.163	3.119	6.0	20.0
3 22	10 51.59	+21 36.6	2.214	3.126	8.8	20.2
4 1	10 45.97	+21 54.9	2.291	3.133	11.5	20.4
4 11	10 42.19	+21 55.0	2.388	3.140	13.9	20.6

212597 2006 SM_{220} 3 5.1 253°.11 1°.1/ 6.3 17

2 1	11 23.86	+ 0 10.8	2.429	3.243	11.4	20.8
2 11	11 19.35	+ 0 35.4	2.335	3.233	8.6	20.6
2 21	11 13.25	+ 1 12.4	2.266	3.222	5.3	20.4
3 2	11 6.08	+ 1 58.9	2.225	3.212	1.9	20.1
3 12	10 58.56	+ 2 50.5	2.214	3.201	2.4	20.1
3 22	10 51.44	+ 3 42.1	2.232	3.190	5.9	20.3
4 1	10 45.43	+ 4 29.1	2.278	3.180	9.2	20.5
4 11	10 41.08	+ 5 7.3	2.348	3.168	12.1	20.7

107203 2001 BC_{33} 3 5.1 39°.31 2°.0/ 3.6 18

2 1	11 25.88	+ 6 46.3	1.297	2.159	16.4	19.0
2 11	11 21.71	+ 7 47.0	1.243	2.169	11.9	18.8
2 21	11 14.93	+ 9 1.8	1.210	2.180	6.8	18.5
3 2	11 6.49	+10 21.5	1.202	2.191	2.1	18.3
3 12	10 57.75	+11 35.5	1.221	2.204	5.1	18.5
3 22	10 50.05	+12 34.5	1.264	2.216	10.1	18.8
4 1	10 44.49	+13 13.0	1.331	2.229	14.6	19.1
4 11	10 41.71	+13 29.0	1.416	2.243	18.3	19.4

19335 1996 YL_2 3 5.1 330°.99 4°.9/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.66	+13 58.6	1.417	2.285	14.9	17.7
2 11	11 22.34	+15 17.4	1.352	2.281	10.9	17.4
2 21	11 15.38	+16 43.0	1.309	2.276	6.8	17.2
3 2	11 6.63	+18 4.6	1.292	2.272	5.0	17.1
3 12	10 57.41	+19 11.5	1.302	2.269	7.6	17.2
3 22	10 49.06	+19 55.6	1.336	2.265	11.8	17.4
4 1	10 42.77	+20 13.5	1.392	2.262	15.9	17.7
4 11	10 39.27	+20 5.6	1.467	2.260	19.4	17.9

169510 2002 CQ_{276} 3 5.1 139°.50 0°.9/ 5.9 18

2 1	11 30.21	+ 1 9.3	1.828	2.648	14.3	21.1
2 11	11 24.26	+ 1 36.7	1.758	2.659	10.6	20.9
2 21	11 16.20	+ 2 18.7	1.711	2.671	6.4	20.7
3 2	11 6.80	+ 3 11.1	1.693	2.681	2.0	20.4
3 12	10 57.09	+ 4 7.3	1.703	2.691	3.0	20.5
3 22	10 48.16	+ 5 0.8	1.743	2.700	7.3	20.8
4 1	10 40.92	+ 5 45.8	1.809	2.709	11.3	21.0
4 11	10 35.98	+ 6 18.5	1.897	2.716	14.6	21.3

468751 2011 BP_{79} 3 5.1 13°.54 9°.1/25.4 18

2 1	11 22.55	+22 23.5	1.286	2.169	15.1	19.7
2 11	11 19.49	+24 34.5	1.245	2.173	11.7	19.5
2 21	11 13.72	+26 40.9	1.227	2.179	9.4	19.4
3 2	11 6.22	+28 27.8	1.233	2.185	9.6	19.4
3 12	10 58.39	+29 43.1	1.263	2.193	12.0	19.5
3 22	10 51.63	+30 21.3	1.315	2.202	15.3	19.8
4 1	10 47.06	+30 22.4	1.385	2.212	18.4	20.0
4 11	10 45.33	+29 51.1	1.472	2.223	21.1	20.2

321494 2009 ST_{72} 3 5.1 248°.88 0°.5/ 5.6 17

2 1	11 27.76	+ 2 35.3	2.007	2.832	13.0	21.5
2 11	11 22.56	+ 2 58.1	1.912	2.817	9.7	21.3
2 21	11 15.31	+ 3 33.9	1.842	2.803	5.9	21.0
3 2	11 6.62	+ 4 18.9	1.798	2.787	1.6	20.7
3 12	10 57.41	+ 5 7.6	1.785	2.772	2.9	20.8
3 22	10 48.68	+ 5 54.3	1.800	2.756	7.2	21.0
4 1	10 41.36	+ 6 33.4	1.841	2.739	11.2	21.2
4 11	10 36.16	+ 7 1.0	1.905	2.723	14.6	21.4

152688 1998 QE_{61} 3 5.1 174°.20 2°.7/ 7.7 16

2 1	11 31.05	− 3 31.5	2.309	3.096	12.7	21.8
2 11	11 24.60	− 3 38.4	2.223	3.100	9.9	21.6
2 21	11 16.32	− 3 31.4	2.160	3.103	6.6	21.4
3 2	11 6.83	− 3 12.1	2.127	3.105	3.5	21.2
3 12	10 57.00	− 2 43.6	2.124	3.107	3.2	21.2
3 22	10 47.70	− 2 10.4	2.150	3.107	6.2	21.4
4 1	10 39.75	− 1 37.0	2.206	3.107	9.4	21.6
4 11	10 33.74	− 1 7.8	2.286	3.106	12.4	21.8

289026 2004 TU_{120} 3 5.1 184°.73 3°.8/ 1.9 18

2 1	11 32.38	+14 23.0	1.841	2.687	13.0	21.3
2 11	11 25.96	+15 14.6	1.770	2.688	9.5	21.1
2 21	11 17.26	+16 9.5	1.724	2.688	5.9	20.9
3 2	11 7.07	+17 0.2	1.706	2.687	3.8	20.8
3 12	10 56.51	+17 39.4	1.718	2.686	6.0	20.9
3 22	10 46.74	+18 2.0	1.757	2.683	9.7	21.1
4 1	10 38.76	+18 5.8	1.821	2.681	13.2	21.3
4 11	10 33.23	+17 51.2	1.906	2.677	16.3	21.5

489584 2007 TS_{110} 3 5.1 78°.04 5°.0/11.3 18

2 1	11 25.29	−13 22.4	2.326	3.072	13.8	21.5
2 11	11 20.26	−13 14.4	2.262	3.101	11.3	21.3
2 21	11 13.68	−12 45.6	2.221	3.129	8.5	21.2
3 2	11 6.17	−11 57.4	2.206	3.158	6.0	21.1
3 12	10 58.53	−10 53.5	2.219	3.186	5.0	21.1
3 22	10 51.52	− 9 39.8	2.261	3.213	6.2	21.2
4 1	10 45.81	− 8 22.9	2.331	3.241	8.6	21.4
4 11	10 41.85	− 7 9.0	2.426	3.267	11.1	21.6

26946 Ziziyu 3 5.1 74°.71 6°.2/29.9 18

2 1	11 33.05	+17 29.3	1.291	2.156	16.2	17.9
2 11	11 26.97	+18 35.3	1.245	2.171	11.9	17.7
2 21	11 17.98	+19 41.1	1.222	2.185	7.9	17.5
3 2	11 7.23	+20 35.2	1.224	2.199	6.2	17.4
3 12	10 56.30	+21 8.2	1.251	2.213	8.6	17.6
3 22	10 46.71	+21 15.3	1.304	2.227	12.6	17.9
4 1	10 39.64	+20 56.6	1.377	2.241	16.4	18.1
4 11	10 35.70	+20 15.3	1.469	2.255	19.7	18.4

378539 2008 BA_6 3 5.1 120°.03 1°.5/ 3.2 17

2 1	11 23.04	+ 8 13.5	2.471	3.311	10.4	20.8
2 11	11 18.64	+ 9 9.7	2.400	3.316	7.4	20.6
2 21	11 12.78	+10 13.0	2.355	3.321	4.2	20.4
3 2	11 5.97	+11 18.4	2.338	3.327	1.6	20.3
3 12	10 58.95	+12 20.1	2.353	3.332	3.5	20.4
3 22	10 52.42	+13 13.3	2.396	3.337	6.7	20.6
4 1	10 47.01	+13 54.4	2.466	3.341	9.6	20.8
4 11	10 43.21	+14 21.4	2.559	3.346	12.2	21.0

328505 2009 PM_{16} 3 5.1 94°.31 0°.4/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.07	+ 1 30.3	1.805	2.636	13.9	20.5
2 11	11 20.62	+ 2 14.5	1.731	2.639	10.3	20.3
2 21	11 14.14	+ 3 14.5	1.679	2.642	6.2	20.0
3 2	11 6.33	+ 4 25.2	1.655	2.645	1.7	19.7
3 12	10 58.17	+ 5 39.1	1.660	2.647	3.0	19.8
3 22	10 50.67	+ 6 48.9	1.692	2.650	7.4	20.1
4 1	10 44.72	+ 7 47.9	1.751	2.653	11.4	20.3
4 11	10 40.93	+ 8 31.9	1.831	2.655	14.8	20.6

272465 2005 UQ_{66} 3 5.1 105°.33 2°.7/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.28	+10 41.4	1.995	2.841	12.2	21.1
2 11	11 21.93	+11 52.5	1.940	2.860	8.7	20.9
2 21	11 14.75	+13 9.6	1.912	2.878	5.1	20.7
3 2	11 6.45	+14 25.4	1.911	2.896	2.7	20.6
3 12	10 57.98	+15 32.5	1.941	2.914	4.9	20.8
3 22	10 50.26	+16 25.3	1.998	2.931	8.3	21.0
4 1	10 44.06	+17 0.6	2.082	2.947	11.6	21.2
4 11	10 39.92	+17 17.7	2.187	2.964	14.3	21.5

15622 Westrich 3 5.1 314°.33 0°.8/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.19	+ 4 5.7	1.326	2.179	16.7	18.3
2 11	11 22.15	+ 4 55.7	1.251	2.173	12.3	18.0
2 21	11 15.37	+ 6 4.3	1.199	2.167	7.2	17.7
3 2	11 6.68	+ 7 24.4	1.171	2.161	1.7	17.3
3 12	10 57.40	+ 8 45.4	1.170	2.156	4.4	17.5
3 22	10 48.94	+ 9 57.0	1.194	2.151	9.9	17.8
4 1	10 42.56	+10 51.1	1.241	2.146	14.9	18.1
4 11	10 39.08	+11 23.3	1.307	2.141	19.1	18.3

498635 2008 RC_{142} 3 5.1 222°.88 2°.3/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.88	− 2 13.1	2.407	3.201	12.0	22.1
2 11	11 23.06	− 2 19.4	2.309	3.192	9.3	21.9
2 21	11 15.47	− 2 13.3	2.235	3.182	6.1	21.6
3 2	11 6.67	− 1 56.2	2.191	3.172	3.1	21.4
3 12	10 57.44	− 1 31.2	2.176	3.161	2.9	21.4
3 22	10 48.63	− 1 2.2	2.192	3.149	6.0	21.6
4 1	10 41.04	− 0 33.6	2.235	3.137	9.3	21.7
4 11	10 35.24	− 0 9.4	2.303	3.125	12.3	21.9

140924 2001 VU_{67} 3 5.1 60°.61 3°.5/ 8.6 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.11	− 5 46.6	2.271	3.058	12.9	19.7
2 11	11 21.05	− 6 1.3	2.186	3.060	10.2	19.5
2 21	11 14.27	− 6 0.7	2.125	3.062	7.1	19.3
3 2	11 6.37	− 5 45.9	2.091	3.064	4.3	19.1
3 12	10 58.14	− 5 19.6	2.086	3.066	3.7	19.1
3 22	10 50.40	− 4 46.2	2.110	3.068	6.1	19.2
4 1	10 43.94	− 4 10.5	2.161	3.070	9.2	19.4
4 11	10 39.29	− 3 37.4	2.236	3.073	12.1	19.6

91970 1999 VK_{92} 3 5.1 68°.25 4°.3/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.86	+16 53.6	1.829	2.681	12.8	19.0
2 11	11 24.69	+17 30.1	1.774	2.694	9.4	18.8
2 21	11 16.41	+18 6.1	1.744	2.706	6.0	18.6
3 2	11 6.86	+18 34.8	1.742	2.719	4.3	18.6
3 12	10 57.16	+18 50.4	1.767	2.732	6.2	18.7
3 22	10 48.38	+18 49.5	1.820	2.745	9.5	18.9
4 1	10 41.41	+18 31.2	1.898	2.757	12.8	19.1
4 11	10 36.80	+17 57.1	1.996	2.770	15.5	19.4

404962 1998 SL_{40} 3 5.1 93°.11 1°.2/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.09	+ 7 39.8	1.780	2.617	13.8	21.9
2 11	11 25.52	+ 8 7.6	1.727	2.641	10.0	21.7
2 21	11 16.86	+ 8 43.3	1.698	2.664	5.7	21.5
3 2	11 6.97	+ 9 21.5	1.698	2.687	1.6	21.3
3 12	10 56.96	+ 9 55.9	1.726	2.710	3.8	21.5
3 22	10 47.92	+10 21.4	1.783	2.732	7.9	21.8
4 1	10 40.72	+10 35.0	1.866	2.753	11.6	22.1
4 11	10 35.88	+10 35.2	1.971	2.774	14.7	22.3

136349 2004 CA_{71} 3 5.1 246°.77 2°.6/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.23	+10 42.4	2.287	3.134	10.8	20.2
2 11	11 18.99	+11 55.8	2.208	3.128	7.8	19.9
2 21	11 13.09	+13 16.3	2.156	3.122	4.6	19.7
3 2	11 6.09	+14 37.4	2.132	3.117	2.6	19.6
3 12	10 58.77	+15 52.3	2.139	3.111	4.6	19.7
3 22	10 51.92	+16 55.1	2.174	3.105	7.9	19.9
4 1	10 46.27	+17 41.9	2.235	3.099	11.0	20.1
4 11	10 42.39	+18 10.9	2.319	3.092	13.7	20.3

9524 O′Rourke 3 5.1 250°.67 2°.9/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.50	− 3 4.3	1.698	2.506	15.7	18.7
2 11	11 25.05	− 3 1.9	1.597	2.488	12.2	18.4
2 21	11 17.03	− 2 40.3	1.519	2.469	8.1	18.1
3 2	11 7.12	− 2 0.9	1.467	2.449	4.0	17.8
3 12	10 56.42	− 1 8.6	1.443	2.428	3.8	17.8
3 22	10 46.19	− 0 10.1	1.446	2.407	8.1	18.0
4 1	10 37.64	+ 0 46.5	1.475	2.385	12.7	18.2
4 11	10 31.68	+ 1 34.5	1.527	2.362	16.7	18.4

510096 2010 OD_{64} 3 5.1 246°.98 6°.8/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.41	+28 7.4	2.609	3.452	9.7	21.7
2 11	11 21.30	+29 34.1	2.540	3.438	7.9	21.6
2 21	11 14.45	+30 55.0	2.498	3.423	6.8	21.5
3 2	11 6.43	+32 2.9	2.484	3.407	7.1	21.5
3 12	10 58.05	+32 51.9	2.498	3.392	8.5	21.5
3 22	10 50.14	+33 18.7	2.537	3.376	10.5	21.6
4 1	10 43.49	+33 22.5	2.599	3.360	12.6	21.8
4 11	10 38.67	+33 5.2	2.681	3.343	14.4	21.9

488744 2004 RT_{254} 3 5.1 203°.51 4°.7/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.86	+16 0.2	1.761	2.613	13.3	21.3
2 11	11 25.76	+17 4.0	1.690	2.609	9.8	21.1
2 21	11 17.25	+18 10.6	1.643	2.605	6.3	20.8
3 2	11 7.13	+19 11.3	1.623	2.600	4.7	20.7
3 12	10 56.58	+19 57.8	1.632	2.594	7.0	20.9
3 22	10 46.81	+20 24.5	1.668	2.588	10.6	21.0
4 1	10 38.89	+20 29.2	1.729	2.581	14.2	21.3
4 11	10 33.52	+20 12.8	1.809	2.574	17.3	21.4

196890 2003 SK_{322} 3 5.1 300°.14 1°.6/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.43	+ 8 17.7	2.011	2.855	12.2	20.5
2 11	11 20.73	+ 9 2.2	1.936	2.854	8.8	20.3
2 21	11 14.16	+ 9 55.0	1.886	2.853	5.1	20.1
3 2	11 6.37	+10 50.7	1.863	2.852	1.8	19.8
3 12	10 58.25	+11 42.6	1.870	2.851	3.9	20.0
3 22	10 50.73	+12 25.2	1.905	2.850	7.8	20.2
4 1	10 44.63	+12 54.5	1.965	2.849	11.3	20.4
4 11	10 40.54	+13 8.4	2.048	2.848	14.3	20.6

144576 2004 FH_{27} 3 5.1 56°.79 0°.1/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.05	+ 3 9.2	1.619	2.457	14.9	20.4
2 11	11 22.26	+ 3 39.1	1.549	2.462	11.0	20.2
2 21	11 15.19	+ 4 23.6	1.502	2.466	6.5	19.9
3 2	11 6.63	+ 5 17.5	1.481	2.471	1.6	19.6
3 12	10 57.71	+ 6 13.6	1.488	2.476	3.3	19.8
3 22	10 49.58	+ 7 4.6	1.522	2.480	8.1	20.1
4 1	10 43.22	+ 7 44.5	1.582	2.485	12.3	20.3
4 11	10 39.29	+ 8 9.6	1.662	2.491	15.9	20.5

120466 1991 VS_{7} 3 5.1 200°.04 2°.0/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.15	+10 13.4	2.354	3.192	10.8	21.1
2 11	11 21.79	+11 1.5	2.273	3.188	7.8	20.9
2 21	11 14.71	+11 55.5	2.218	3.184	4.6	20.6
3 2	11 6.51	+12 50.3	2.193	3.180	2.1	20.5
3 12	10 57.99	+13 40.1	2.198	3.174	4.0	20.6
3 22	10 49.98	+14 20.2	2.232	3.169	7.3	20.8
4 1	10 43.23	+14 47.2	2.293	3.163	10.5	21.0
4 11	10 38.29	+14 59.6	2.377	3.156	13.2	21.1

175324 2005 MR_{39} 3 5.1 213°.72 2°.6/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.75	− 4 30.9	2.651	3.438	11.3	20.9
2 11	11 19.89	− 4 29.0	2.558	3.434	8.8	20.7
2 21	11 13.55	− 4 14.1	2.489	3.430	6.0	20.5
3 2	11 6.23	− 3 47.4	2.449	3.425	3.3	20.3
3 12	10 58.60	− 3 12.1	2.438	3.421	2.9	20.3
3 22	10 51.36	− 2 32.0	2.457	3.416	5.4	20.5
4 1	10 45.17	− 1 51.6	2.504	3.410	8.2	20.6
4 11	10 40.52	− 1 15.0	2.576	3.405	10.9	20.8

250254 2003 BL_{23} 3 5.1 80°.20 5°.1/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.34	−11 40.3	1.791	2.562	16.5	20.3
2 11	11 22.15	−11 25.7	1.731	2.589	13.3	20.1
2 21	11 14.96	−10 45.8	1.692	2.615	9.7	20.0
3 2	11 6.56	− 9 42.5	1.679	2.641	6.4	19.8
3 12	10 57.98	− 8 21.6	1.692	2.667	5.2	19.8
3 22	10 50.24	− 6 51.4	1.734	2.693	7.2	20.0
4 1	10 44.18	− 5 20.8	1.802	2.718	10.4	20.2
4 11	10 40.34	− 3 57.7	1.895	2.742	13.5	20.5

382747 2003 CA_{26} 3 5.2 350°.92 4°.1/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.38	+15 37.4	2.181	3.037	10.9	20.4
2 11	11 19.16	+16 55.8	2.114	3.036	7.9	20.2
2 21	11 13.22	+18 17.1	2.073	3.035	5.2	20.0
3 2	11 6.16	+19 34.0	2.060	3.035	4.2	20.0
3 12	10 58.81	+20 39.3	2.077	3.034	6.1	20.1
3 22	10 52.01	+21 28.0	2.121	3.034	9.0	20.2
4 1	10 46.53	+21 57.2	2.189	3.034	11.9	20.4
4 11	10 42.90	+22 6.8	2.278	3.033	14.4	20.6

347419 2012 SL_{48} 3 5.2 358°.69 3°.2/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.21	+13 49.1	1.823	2.677	12.8	20.1
2 11	11 22.92	+14 14.3	1.753	2.675	9.3	19.9
2 21	11 15.50	+14 42.2	1.708	2.674	5.6	19.7
3 2	11 6.72	+15 6.8	1.690	2.674	3.2	19.5
3 12	10 57.62	+15 22.2	1.699	2.674	5.3	19.6
3 22	10 49.28	+15 24.5	1.736	2.674	9.0	19.8
4 1	10 42.62	+15 11.6	1.798	2.675	12.5	20.1
4 11	10 38.25	+14 43.6	1.881	2.676	15.6	20.3

291765 2006 KE_{19} 3 5.2 262°.98 3°.3/ 2.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.32	+10 12.7	1.701	2.553	13.6	21.5
2 11	11 22.67	+11 32.6	1.612	2.534	9.9	21.2
2 21	11 15.61	+13 4.4	1.547	2.515	5.9	20.9
3 2	11 6.80	+14 39.6	1.510	2.494	3.3	20.7
3 12	10 57.33	+16 8.0	1.501	2.474	6.0	20.8
3 22	10 48.39	+17 20.6	1.519	2.453	10.3	21.0
4 1	10 41.11	+18 11.4	1.561	2.431	14.5	21.2
4 11	10 36.32	+18 38.1	1.623	2.409	18.1	21.4

398675 2012 VD_{46} 3 5.2 58°.32 2°.1/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.69	− 1 5.9	1.214	2.054	18.8	20.8
2 11	11 23.94	− 0 47.5	1.157	2.067	14.2	20.6
2 21	11 16.35	− 0 6.1	1.121	2.081	8.9	20.3
3 2	11 6.94	+ 0 53.3	1.108	2.095	3.5	20.1
3 12	10 57.19	+ 2 1.6	1.121	2.109	3.8	20.1
3 22	10 48.58	+ 3 8.5	1.159	2.124	9.1	20.5
4 1	10 42.30	+ 4 5.2	1.220	2.138	14.0	20.8
4 11	10 39.05	+ 4 45.7	1.301	2.153	18.1	21.1

268848 2006 XL_{8} 3 5.2 171°.70 3°.5/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.86	− 6 31.9	2.128	2.912	13.8	20.6
2 11	11 22.45	− 6 28.6	2.043	2.915	10.8	20.4
2 21	11 15.17	− 6 7.5	1.981	2.918	7.6	20.2
3 2	11 6.65	− 5 30.0	1.946	2.920	4.5	20.0
3 12	10 57.76	− 4 39.9	1.940	2.921	3.8	19.9
3 22	10 49.42	− 3 43.0	1.963	2.922	6.5	20.1
4 1	10 42.46	− 2 45.4	2.014	2.923	9.8	20.3
4 11	10 37.49	− 1 52.9	2.088	2.923	12.9	20.5

415898 2001 TT_{192} 3 5.2 113°.14 3°.4/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.51	+15 1.4	2.226	3.066	11.3	21.6
2 11	11 24.80	+15 48.8	2.175	3.089	8.2	21.4
2 21	11 16.36	+16 37.2	2.150	3.112	5.1	21.3
3 2	11 6.90	+17 20.4	2.155	3.135	3.4	21.2
3 12	10 57.36	+17 53.1	2.191	3.156	5.1	21.3
3 22	10 48.62	+18 11.8	2.255	3.177	8.1	21.5
4 1	10 41.41	+18 15.3	2.345	3.197	11.0	21.8
4 11	10 36.22	+18 3.9	2.458	3.216	13.4	22.0

276546 2003 ST_{100} 3 5.2 136°.19 3°.0/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.91	− 7 39.9	2.369	3.148	12.7	21.1
2 11	11 19.37	− 7 3.4	2.287	3.157	9.9	20.9
2 21	11 13.27	− 6 8.4	2.230	3.166	6.9	20.8
3 2	11 6.18	− 4 57.5	2.200	3.174	3.9	20.6
3 12	10 58.85	− 3 35.9	2.199	3.182	3.2	20.5
3 22	10 52.01	− 2 9.7	2.229	3.190	5.7	20.7
4 1	10 46.36	− 0 45.6	2.287	3.197	8.8	20.9
4 11	10 42.40	+ 0 30.6	2.370	3.204	11.6	21.1

131323 2001 GE_{11} 3 5.2 299°.22 2°.0/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.97	− 2 47.9	1.938	2.753	13.8	19.6
2 11	11 19.20	− 2 15.6	1.836	2.731	10.6	19.4
2 21	11 13.45	− 1 24.1	1.757	2.710	6.9	19.1
3 2	11 6.28	− 0 16.1	1.704	2.688	3.0	18.8
3 12	10 58.55	+ 1 2.6	1.680	2.667	3.0	18.8
3 22	10 51.22	+ 2 24.5	1.683	2.646	7.0	19.0
4 1	10 45.23	+ 3 41.9	1.713	2.625	11.1	19.2
4 11	10 41.28	+ 4 48.1	1.766	2.604	14.7	19.3

39546 1992 DT_{5} 3 5.2 67°.06 0°.7/ 4.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.69	+ 4 44.8	1.922	2.761	12.9	19.0
2 11	11 20.26	+ 5 34.4	1.848	2.763	9.4	18.8
2 21	11 13.93	+ 6 36.2	1.799	2.765	5.4	18.5
3 2	11 6.36	+ 7 44.6	1.777	2.767	1.3	18.2
3 12	10 58.47	+ 8 52.5	1.785	2.770	3.4	18.4
3 22	10 51.19	+ 9 53.1	1.820	2.772	7.5	18.7
4 1	10 45.37	+10 41.2	1.881	2.774	11.3	18.9
4 11	10 41.59	+11 13.6	1.964	2.777	14.4	19.1

415791 2001 AR_{21} 3 5.2 60°.76 5°.1/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.04	− 8 52.3	1.733	2.511	16.6	21.4
2 11	11 25.48	− 9 15.0	1.686	2.550	13.2	21.2
2 21	11 16.84	− 9 15.4	1.661	2.588	9.5	21.1
3 2	11 7.02	− 8 54.9	1.661	2.627	6.2	21.0
3 12	10 57.16	− 8 17.7	1.690	2.664	5.2	21.0
3 22	10 48.32	− 7 30.4	1.746	2.702	7.4	21.2
4 1	10 41.35	− 6 40.1	1.828	2.739	10.5	21.5
4 11	10 36.78	− 5 53.5	1.934	2.776	13.5	21.7

181710 1993 SO_{8} 3 5.2 179°.23 2°.5/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.18	+12 47.8	2.433	3.267	10.7	21.5
2 11	11 24.62	+13 22.5	2.357	3.269	7.8	21.3
2 21	11 16.33	+14 0.1	2.307	3.271	4.6	21.1
3 2	11 6.93	+14 35.7	2.287	3.271	2.5	20.9
3 12	10 57.26	+15 4.3	2.299	3.271	4.3	21.1
3 22	10 48.18	+15 22.3	2.340	3.270	7.4	21.3
4 1	10 40.45	+15 27.6	2.408	3.269	10.4	21.4
4 11	10 34.59	+15 19.7	2.500	3.266	13.0	21.6

493482 2015 AH_{15} 3 5.2 166°.30 7°.0/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.34	+25 14.3	1.994	2.844	12.0	20.8
2 11	11 24.41	+26 18.6	1.937	2.845	9.4	20.6
2 21	11 16.34	+27 16.3	1.904	2.845	7.5	20.5
3 2	11 6.94	+27 59.3	1.899	2.846	7.2	20.5
3 12	10 57.28	+28 21.1	1.920	2.846	8.8	20.6
3 22	10 48.45	+28 19.1	1.968	2.847	11.4	20.7
4 1	10 41.35	+27 53.5	2.038	2.847	14.0	20.9
4 11	10 36.59	+27 7.2	2.128	2.847	16.3	21.1

265688 2005 UR_{107} 3 5.2 218°.21 2°.7/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.69	+11 50.9	2.285	3.126	11.0	21.5
2 11	11 22.30	+12 50.8	2.200	3.117	8.0	21.2
2 21	11 15.09	+13 56.4	2.142	3.107	4.8	21.0
3 2	11 6.66	+15 1.7	2.113	3.096	2.7	20.9
3 12	10 57.83	+16 0.1	2.114	3.085	4.7	21.0
3 22	10 49.49	+16 46.5	2.144	3.073	8.1	21.2
4 1	10 42.45	+17 17.3	2.201	3.061	11.3	21.3
4 11	10 37.30	+17 31.2	2.279	3.047	14.0	21.5

141325 2001 YK_{134} 3 5.2 286°.72 5°.2/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.37	−12 14.4	2.403	3.155	13.3	19.8
2 11	11 19.83	−12 33.0	2.309	3.151	11.0	19.6
2 21	11 13.62	−12 33.2	2.237	3.146	8.4	19.4
3 2	11 6.30	−12 14.6	2.191	3.142	6.1	19.3
3 12	10 58.60	−11 39.5	2.173	3.138	5.3	19.2
3 22	10 51.32	−10 51.8	2.183	3.133	6.6	19.3
4 1	10 45.19	− 9 57.1	2.220	3.129	9.0	19.4
4 11	10 40.78	− 9 1.3	2.282	3.125	11.6	19.6

209400 2004 EY_{82} 3 5.2 331°.35 3°.6/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.16	+13 22.0	1.778	2.639	12.7	20.1
2 11	11 20.16	+14 13.4	1.698	2.624	9.3	19.9
2 21	11 14.02	+15 10.3	1.643	2.610	5.7	19.6
3 2	11 6.42	+16 5.5	1.614	2.597	3.6	19.5
3 12	10 58.36	+16 51.2	1.613	2.584	5.9	19.6
3 22	10 50.91	+17 21.5	1.638	2.572	9.7	19.8
4 1	10 45.04	+17 33.0	1.686	2.560	13.4	20.0
4 11	10 41.42	+17 24.9	1.755	2.550	16.6	20.1

31958 2000 GN_{135} 3 5.2 212°.87 0°.8/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.44	+ 5 6.5	2.328	3.155	11.3	19.9
2 11	11 21.34	+ 6 1.4	2.238	3.147	8.3	19.7
2 21	11 14.52	+ 7 7.1	2.174	3.139	4.8	19.5
3 2	11 6.52	+ 8 18.7	2.140	3.129	1.2	19.2
3 12	10 58.15	+ 9 30.1	2.136	3.119	3.1	19.3
3 22	10 50.21	+10 35.1	2.162	3.109	6.9	19.5
4 1	10 43.49	+11 29.1	2.215	3.097	10.3	19.7
4 11	10 38.57	+12 8.7	2.292	3.085	13.2	19.9

116130 2003 WB_{141} 3 5.2 180°.13 5°.7/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.65	+22 3.6	2.261	3.113	10.7	19.6
2 11	11 21.53	+23 19.1	2.200	3.114	8.2	19.4
2 21	11 14.61	+24 31.8	2.165	3.114	6.2	19.3
3 2	11 6.54	+25 34.1	2.159	3.114	5.8	19.3
3 12	10 58.19	+26 19.9	2.181	3.114	7.5	19.4
3 22	10 50.47	+26 45.3	2.229	3.113	10.0	19.6
4 1	10 44.16	+26 49.4	2.301	3.113	12.5	19.7
4 11	10 39.80	+26 33.5	2.393	3.112	14.7	19.9

19840 2000 SB_{280} 3 5.2 232°.92 0°.1/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.57	+ 4 24.1	1.768	2.598	14.2	18.2
2 11	11 25.61	+ 4 35.2	1.680	2.588	10.6	18.0
2 21	11 17.26	+ 4 58.0	1.616	2.579	6.3	17.7
3 2	11 7.24	+ 5 28.4	1.579	2.568	1.6	17.3
3 12	10 56.65	+ 6 0.9	1.570	2.557	3.3	17.4
3 22	10 46.68	+ 6 29.7	1.590	2.546	8.0	17.7
4 1	10 38.43	+ 6 49.9	1.636	2.534	12.4	17.9
4 11	10 32.66	+ 6 58.2	1.704	2.522	16.1	18.1

506339 2017 OX_{38} 3 5.2 235°.27 0°.4/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.62	+ 4 17.1	2.368	3.192	11.3	22.5
2 11	11 21.51	+ 5 5.6	2.269	3.176	8.3	22.3
2 21	11 14.65	+ 6 5.4	2.196	3.159	4.9	22.0
3 2	11 6.58	+ 7 12.2	2.152	3.141	1.1	21.7
3 12	10 58.06	+ 8 20.3	2.138	3.123	2.9	21.8
3 22	10 49.92	+ 9 23.7	2.155	3.104	6.7	22.0
4 1	10 42.94	+10 17.3	2.199	3.084	10.2	22.2
4 11	10 37.74	+10 57.7	2.267	3.064	13.2	22.4

520910 2014 WA_{530} 3 5.2 349°.61 9°.2/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.17	−19 33.8	1.757	2.489	18.1	20.2
2 11	11 19.57	−20 10.0	1.671	2.485	15.7	20.0
2 21	11 13.76	−20 16.8	1.603	2.482	13.0	19.9
3 2	11 6.40	−19 51.3	1.556	2.479	10.6	19.7
3 12	10 58.51	−18 54.8	1.533	2.476	9.2	19.6
3 22	10 51.19	−17 32.9	1.535	2.474	9.8	19.6
4 1	10 45.47	−15 54.7	1.561	2.473	11.9	19.8
4 11	10 42.09	−14 11.2	1.610	2.472	14.7	19.9

67262 2000 EU_{136} 3 5.2 255°.38 1°.9/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.63	+ 8 24.1	1.750	2.597	13.6	19.0
2 11	11 22.68	+ 9 8.4	1.672	2.591	9.9	18.7
2 21	11 15.50	+10 2.5	1.618	2.585	5.7	18.5
3 2	11 6.81	+11 0.0	1.591	2.580	2.0	18.2
3 12	10 57.67	+11 53.3	1.592	2.573	4.4	18.4
3 22	10 49.20	+12 35.9	1.621	2.567	8.8	18.6
4 1	10 42.39	+13 3.2	1.675	2.561	12.8	18.8
4 11	10 37.94	+13 13.2	1.749	2.555	16.2	19.0

159018 2004 TZ_{35} 3 5.2 146°.34 2°.0/ 3.3 18

2 1	11 28.30	+10 4.6	2.043	2.885	12.1	20.8
2 11	11 22.80	+10 39.5	1.972	2.889	8.8	20.6
2 21	11 15.38	+11 20.4	1.926	2.893	5.1	20.4
3 2	11 6.76	+12 1.8	1.909	2.896	2.1	20.2
3 12	10 57.85	+12 38.0	1.920	2.899	4.1	20.3
3 22	10 49.60	+13 4.2	1.960	2.902	7.8	20.5
4 1	10 42.84	+13 17.4	2.026	2.905	11.3	20.7
4 11	10 38.14	+13 16.5	2.114	2.908	14.2	20.9

398724 2012 XX_{114} 3 5.2 160°.54 4°.3/ 1.7 18

2 1	11 30.69	+12 54.5	1.442	2.302	15.2	21.1
2 11	11 25.26	+14 6.4	1.379	2.304	11.1	20.9
2 21	11 17.13	+15 25.3	1.340	2.307	6.8	20.7
3 2	11 7.22	+16 41.0	1.327	2.309	4.3	20.5
3 12	10 56.89	+17 43.2	1.341	2.311	7.0	20.7
3 22	10 47.53	+18 24.3	1.380	2.312	11.3	20.9
4 1	10 40.31	+18 41.2	1.442	2.314	15.4	21.2
4 11	10 35.95	+18 34.4	1.524	2.315	18.9	21.4

280438 2003 YR_{164} 3 5.2 196°.80 1°.6/ 3.5 18

2 1	11 25.77	+ 8 43.9	2.270	3.109	11.2	20.8
2 11	11 20.84	+ 9 26.6	2.192	3.108	8.1	20.6
2 21	11 14.22	+10 16.4	2.140	3.106	4.7	20.4
3 2	11 6.49	+11 8.2	2.116	3.105	1.7	20.2
3 12	10 58.46	+11 56.5	2.123	3.103	3.7	20.3
3 22	10 50.96	+12 36.2	2.158	3.101	7.1	20.6
4 1	10 44.72	+13 3.9	2.219	3.098	10.4	20.7
4 11	10 40.30	+13 17.8	2.304	3.096	13.2	20.9

119658 2001 XX_{58} 3 5.2 15°.18 2°.5/ 3.3 18

2 1	11 24.77	+ 8 53.8	1.351	2.216	15.6	18.7
2 11	11 20.94	+ 9 42.0	1.293	2.221	11.3	18.5
2 21	11 14.59	+10 41.1	1.256	2.226	6.5	18.2
3 2	11 6.60	+11 42.6	1.244	2.233	2.5	18.0
3 12	10 58.27	+12 37.3	1.259	2.240	5.3	18.2
3 22	10 50.89	+13 17.4	1.298	2.248	10.0	18.5
4 1	10 45.53	+13 38.3	1.360	2.258	14.4	18.7
4 11	10 42.86	+13 38.6	1.441	2.268	18.0	19.0

380035 2013 RG_{14} 3 5.2 210°.73 0°.6/ 5.9 17

2 1	11 25.50	+ 0 18.9	2.181	2.997	12.4	22.0
2 11	11 20.76	+ 1 8.0	2.091	2.992	9.3	21.8
2 21	11 14.24	+ 2 12.2	2.027	2.986	5.6	21.6
3 2	11 6.52	+ 3 27.2	1.991	2.979	1.7	21.3
3 12	10 58.41	+ 4 46.8	1.984	2.972	2.6	21.3
3 22	10 50.77	+ 6 4.3	2.008	2.964	6.6	21.6
4 1	10 44.40	+ 7 13.3	2.059	2.956	10.2	21.8
4 11	10 39.90	+ 8 9.4	2.133	2.948	13.4	22.0

488602 2002 RV_{49} 3 5.2 201°.31 1°.4/ 4.0 18

2 1	11 33.60	+ 7 40.7	1.890	2.721	13.4	22.1
2 11	11 26.95	+ 8 15.5	1.806	2.717	9.8	21.9
2 21	11 17.99	+ 8 59.6	1.746	2.711	5.7	21.6
3 2	11 7.45	+ 9 47.4	1.715	2.704	1.7	21.3
3 12	10 56.42	+10 32.1	1.714	2.697	4.0	21.5
3 22	10 46.05	+11 8.0	1.742	2.688	8.3	21.7
4 1	10 37.37	+11 30.7	1.797	2.678	12.3	21.9
4 11	10 31.10	+11 38.4	1.873	2.667	15.7	22.2

432910 2011 QA_{35} 3 5.2 212°.48 4°.8/11.2 18

2 1	11 25.68	−13 36.0	3.053	3.780	11.2	21.7
2 11	11 20.51	−13 54.5	2.950	3.773	9.4	21.6
2 21	11 13.94	−13 57.6	2.869	3.765	7.3	21.4
3 2	11 6.43	−13 45.1	2.816	3.757	5.5	21.3
3 12	10 58.59	−13 18.4	2.792	3.748	4.8	21.2
3 22	10 51.05	−12 40.4	2.797	3.739	5.8	21.3
4 1	10 44.42	−11 55.2	2.830	3.729	7.7	21.4
4 11	10 39.20	−11 7.6	2.890	3.719	9.8	21.5

302816 2003 BU_{75} 3 5.2 298°.52 1°.1/ 5.9 18

2 1	11 32.98	+ 3 49.3	2.180	2.995	12.5	19.9
2 11	11 26.39	+ 3 19.1	2.073	2.971	9.4	19.7
2 21	11 17.66	+ 2 55.7	1.990	2.948	5.8	19.4
3 2	11 7.39	+ 2 37.8	1.937	2.924	2.0	19.1
3 12	10 56.50	+ 2 22.8	1.914	2.901	2.8	19.1
3 22	10 45.99	+ 2 8.3	1.921	2.877	6.8	19.3
4 1	10 36.86	+ 1 51.7	1.957	2.854	10.7	19.5
4 11	10 29.84	+ 1 30.5	2.016	2.831	14.0	19.7

190160 2005 TE_{173} 3 5.2 171°.95 1°.8/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 31.52	− 0 44.3	1.730	2.544	15.2	20.8
2 11	11 25.51	− 0 30.5	1.651	2.548	11.5	20.5
2 21	11 17.17	+ 0 0.2	1.596	2.551	7.3	20.3
3 2	11 7.25	+ 0 44.4	1.567	2.553	2.9	20.0
3 12	10 56.89	+ 1 36.3	1.567	2.555	3.2	20.0
3 22	10 47.26	+ 2 28.9	1.596	2.555	7.6	20.3
4 1	10 39.41	+ 3 15.7	1.650	2.556	11.8	20.5
4 11	10 34.04	+ 3 51.7	1.727	2.555	15.5	20.8

325165 2008 FJ_{42} 3 5.2 128°.29 0°.8/ 5.9 18

2 1	11 27.41	+ 0 44.8	1.940	2.761	13.5	21.5
2 11	11 22.20	+ 1 21.8	1.869	2.772	10.1	21.3
2 21	11 15.07	+ 2 13.5	1.823	2.782	6.1	21.1
3 2	11 6.71	+ 3 15.3	1.804	2.792	1.9	20.8
3 12	10 58.07	+ 4 20.9	1.814	2.802	2.8	20.9
3 22	10 50.12	+ 5 23.6	1.853	2.811	6.9	21.2
4 1	10 43.67	+ 6 17.4	1.919	2.820	10.7	21.4
4 11	10 39.32	+ 6 58.5	2.008	2.829	13.9	21.7

16114 Alyono 3 5.2 228°.32 0°.3/ 5.5 18

2 1	11 29.08	+ 2 50.5	1.980	2.804	13.2	19.1
2 11	11 23.61	+ 3 18.7	1.888	2.793	9.8	18.9
2 21	11 16.03	+ 4 0.1	1.820	2.781	5.9	18.6
3 2	11 6.99	+ 4 50.5	1.780	2.769	1.6	18.3
3 12	10 57.43	+ 5 44.2	1.769	2.756	3.0	18.3
3 22	10 48.38	+ 6 34.9	1.787	2.742	7.3	18.6
4 1	10 40.80	+ 7 17.0	1.832	2.728	11.3	18.8
4 11	10 35.38	+ 7 46.7	1.900	2.713	14.8	19.0

197839 2004 PN_{99} 3 5.2 228°.44 6°.5/11.9 18

2 1	11 28.84	−16 40.0	2.603	3.313	13.3	20.4
2 11	11 23.14	−17 12.6	2.493	3.299	11.4	20.2
2 21	11 15.65	−17 26.4	2.405	3.285	9.2	20.0
3 2	11 6.89	−17 19.6	2.344	3.270	7.3	19.9
3 12	10 57.61	−16 53.0	2.310	3.254	6.5	19.8
3 22	10 48.63	−16 9.7	2.304	3.237	7.3	19.8
4 1	10 40.76	−15 14.5	2.327	3.220	9.4	19.9
4 11	10 34.64	−14 14.0	2.374	3.202	11.8	20.0

13336 1998 SN_{114} 3 5.2 130°.65 1°.2/ 3.8 18

2 1	11 25.98	+ 7 13.8	2.386	3.219	10.9	19.0
2 11	11 20.85	+ 8 0.4	2.318	3.231	7.9	18.8
2 21	11 14.15	+ 8 54.4	2.277	3.242	4.5	18.6
3 2	11 6.48	+ 9 51.1	2.264	3.253	1.3	18.4
3 12	10 58.61	+10 44.9	2.282	3.263	3.2	18.6
3 22	10 51.30	+11 31.1	2.329	3.274	6.6	18.8
4 1	10 45.22	+12 6.2	2.403	3.283	9.7	19.0
4 11	10 40.86	+12 28.2	2.501	3.293	12.3	19.2

420825 2013 HS_{118} 3 5.2 230°.77 1°.7/ 3.6 16

2 1	11 29.44	+ 8 16.9	1.991	2.828	12.6	22.5
2 11	11 23.88	+ 9 3.0	1.902	2.816	9.2	22.3
2 21	11 16.20	+ 9 58.4	1.837	2.803	5.3	22.0
3 2	11 7.04	+10 57.5	1.801	2.789	1.9	21.7
3 12	10 57.38	+11 53.2	1.794	2.775	4.1	21.9
3 22	10 48.24	+12 39.3	1.816	2.760	8.2	22.1
4 1	10 40.59	+13 11.5	1.865	2.744	12.1	22.3
4 11	10 35.12	+13 27.3	1.935	2.727	15.3	22.5

359682 2011 SE_{144} 3 5.2 77°.22 0°.0/ 4.9 18

2 1	11 28.03	+ 1 50.2	1.435	2.275	16.4	21.2
2 11	11 23.08	+ 2 49.4	1.382	2.295	12.0	20.9
2 21	11 15.73	+ 4 6.8	1.350	2.315	7.0	20.7
3 2	11 6.90	+ 5 34.7	1.345	2.335	1.7	20.4
3 12	10 57.85	+ 7 2.9	1.368	2.355	3.6	20.6
3 22	10 49.81	+ 8 21.8	1.417	2.374	8.6	20.9
4 1	10 43.78	+ 9 24.4	1.491	2.394	13.0	21.2
4 11	10 40.36	+10 6.9	1.586	2.413	16.6	21.5

97173 1999 VJ_{197} 3 5.2 71°.83 5°.3/28.9 18

2 1	11 28.09	+18 15.5	1.847	2.704	12.5	19.1
2 11	11 22.71	+19 32.9	1.805	2.725	9.2	19.0
2 21	11 15.34	+20 48.9	1.788	2.747	6.3	18.8
3 2	11 6.79	+21 55.0	1.799	2.768	5.4	18.8
3 12	10 58.12	+22 44.1	1.838	2.789	7.3	19.0
3 22	10 50.35	+23 12.1	1.903	2.810	10.2	19.2
4 1	10 44.29	+23 18.0	1.992	2.831	13.1	19.4
4 11	10 40.46	+23 3.5	2.101	2.852	15.6	19.6

468408 2016 GH_{174} 3 5.2 237°.54 2°.1/ 3.1 17

2 1	11 26.39	+ 9 23.9	2.034	2.879	12.1	21.7
2 11	11 21.54	+10 14.5	1.954	2.872	8.7	21.4
2 21	11 14.76	+11 13.1	1.899	2.866	5.1	21.2
3 2	11 6.69	+12 13.7	1.872	2.859	2.1	21.0
3 12	10 58.24	+13 9.4	1.874	2.853	4.3	21.1
3 22	10 50.35	+13 54.6	1.905	2.846	8.1	21.3
4 1	10 43.87	+14 25.2	1.961	2.839	11.6	21.5
4 11	10 39.42	+14 39.3	2.039	2.831	14.7	21.7

57647 2001 TL_{203} 3 5.2 37°.80 10°.0/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 31.36	+29 15.5	1.537	2.394	14.5	18.0
2 11	11 25.70	+30 43.8	1.496	2.400	11.9	17.9
2 21	11 17.33	+31 59.4	1.478	2.407	10.2	17.8
3 2	11 7.30	+32 50.9	1.484	2.415	10.3	17.8
3 12	10 57.08	+33 10.7	1.515	2.423	12.1	18.0
3 22	10 48.05	+32 56.8	1.569	2.431	14.7	18.1
4 1	10 41.33	+32 11.9	1.642	2.439	17.3	18.3
4 11	10 37.52	+31 1.7	1.732	2.448	19.6	18.5

72949 2002 CC_{43} 3 5.2 271°.74 3°.3/ 2.6 18

2 1	11 31.06	+11 51.5	1.699	2.548	13.8	18.9
2 11	11 25.56	+12 38.6	1.603	2.523	10.2	18.6
2 21	11 17.45	+13 33.6	1.531	2.498	6.1	18.3
3 2	11 7.42	+14 29.2	1.487	2.472	3.3	18.0
3 12	10 56.61	+15 17.1	1.470	2.445	5.8	18.1
3 22	10 46.30	+15 50.1	1.481	2.418	10.3	18.3
4 1	10 37.75	+16 3.8	1.516	2.391	14.6	18.5
4 11	10 31.83	+15 57.1	1.571	2.363	18.3	18.7

464980 2005 YW_{265} 3 5.2 116°.93 3°.6/ 1.6 16

2 1	11 28.06	+13 57.4	1.963	2.813	12.1	21.5
2 11	11 22.69	+14 57.4	1.902	2.823	8.8	21.3
2 21	11 15.36	+16 0.7	1.867	2.832	5.4	21.2
3 2	11 6.82	+17 0.1	1.860	2.841	3.6	21.1
3 12	10 58.04	+17 48.7	1.882	2.849	5.6	21.2
3 22	10 50.00	+18 21.6	1.931	2.858	9.0	21.4
4 1	10 43.53	+18 36.5	2.006	2.866	12.2	21.6
4 11	10 39.19	+18 33.3	2.101	2.874	14.9	21.8

506407 2017 SQ_{8} 3 5.2 115°.01 1°.2/ 3.7 18

2 1	11 23.03	+ 6 48.6	2.402	3.239	10.7	20.6
2 11	11 18.77	+ 7 46.5	2.328	3.243	7.7	20.4
2 21	11 12.99	+ 8 52.9	2.280	3.247	4.4	20.2
3 2	11 6.24	+10 2.6	2.262	3.251	1.4	20.0
3 12	10 59.25	+11 9.8	2.274	3.255	3.3	20.2
3 22	10 52.74	+12 9.2	2.314	3.259	6.6	20.4
4 1	10 47.38	+12 56.7	2.382	3.263	9.7	20.6
4 11	10 43.65	+13 29.8	2.473	3.267	12.4	20.8

16237 2000 GX_{76} 3 5.2 285°.66 3°.3/ 8.1 18

2 1	11 25.08	− 5 12.7	1.743	2.551	15.4	17.8
2 11	11 20.98	− 4 57.3	1.647	2.535	12.1	17.5
2 21	11 14.65	− 4 20.0	1.573	2.519	8.2	17.3
3 2	11 6.71	− 3 22.6	1.524	2.503	4.4	17.0
3 12	10 58.16	− 2 10.5	1.502	2.488	3.8	16.9
3 22	10 50.10	− 0 51.4	1.508	2.472	7.5	17.1
4 1	10 43.57	+ 0 26.2	1.540	2.456	11.7	17.3
4 11	10 39.36	+ 1 34.4	1.593	2.441	15.6	17.5

465183 2007 ER_{219} 3 5.2 167°.54 0°.9/ 4.4 17

2 1	11 28.58	+ 6 49.1	1.960	2.796	12.8	21.8
2 11	11 23.13	+ 7 13.7	1.884	2.797	9.3	21.6
2 21	11 15.67	+ 7 47.0	1.833	2.798	5.4	21.4
3 2	11 6.92	+ 8 24.5	1.810	2.799	1.4	21.1
3 12	10 57.83	+ 9 0.5	1.816	2.800	3.4	21.3
3 22	10 49.39	+ 9 29.7	1.850	2.801	7.5	21.5
4 1	10 42.48	+ 9 48.4	1.910	2.801	11.2	21.7
4 11	10 37.70	+ 9 54.4	1.993	2.802	14.4	21.9

175621 2006 WX_{125} 3 5.2 190°.13 5°.3/26.2 18

2 1	11 25.37	+25 0.9	2.931	3.775	8.8	20.5
2 11	11 20.33	+26 15.1	2.869	3.773	6.9	20.4
2 21	11 13.85	+27 25.0	2.835	3.772	5.5	20.3
3 2	11 6.46	+28 25.0	2.830	3.770	5.5	20.3
3 12	10 58.83	+29 10.2	2.854	3.767	6.8	20.4
3 22	10 51.65	+29 37.8	2.905	3.765	8.7	20.5
4 1	10 45.56	+29 46.9	2.980	3.761	10.7	20.6
4 11	10 41.01	+29 38.4	3.076	3.758	12.4	20.8

326124 2011 YZ_{53} 3 5.2 27°.38 2°.6/ 3.2 18

2 1	11 26.14	+ 8 43.7	1.243	2.110	16.6	20.6
2 11	11 22.10	+ 9 37.9	1.189	2.118	12.0	20.3
2 21	11 15.34	+10 43.9	1.157	2.128	6.9	20.1
3 2	11 6.86	+11 52.3	1.150	2.138	2.7	19.8
3 12	10 58.04	+12 52.5	1.168	2.149	5.6	20.1
3 22	10 50.31	+13 36.4	1.210	2.161	10.6	20.4
4 1	10 44.79	+13 59.1	1.274	2.173	15.1	20.6
4 11	10 42.15	+13 59.7	1.358	2.186	18.8	20.9

55102 2001 QX_{137} 3 5.2 313°.71 4°.4/ 8.1 18

2 1	11 29.66	− 4 15.3	1.375	2.194	18.1	18.5
2 11	11 24.79	− 4 41.6	1.295	2.189	14.3	18.3
2 21	11 17.08	− 4 46.4	1.235	2.183	9.8	18.0
3 2	11 7.34	− 4 30.0	1.199	2.178	5.6	17.7
3 12	10 56.91	− 3 56.6	1.189	2.173	4.9	17.7
3 22	10 47.24	− 3 13.2	1.204	2.168	8.9	17.9
4 1	10 39.67	− 2 28.1	1.243	2.164	13.6	18.1
4 11	10 35.07	− 1 49.4	1.302	2.159	17.8	18.4

208205 2000 SE_{24} 3 5.2 82°.52 9°.2/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 45.18	+28 40.4	1.484	2.323	16.0	19.9
2 11	11 35.68	+29 10.3	1.435	2.334	12.8	19.7
2 21	11 23.06	+29 25.2	1.410	2.346	10.1	19.5
3 2	11 8.69	+29 15.1	1.411	2.358	9.2	19.5
3 12	10 54.37	+28 34.5	1.438	2.369	10.8	19.6
3 22	10 41.78	+27 24.6	1.492	2.381	13.7	19.8
4 1	10 32.10	+25 50.6	1.568	2.392	16.8	20.1
4 11	10 25.91	+24 0.1	1.664	2.403	19.5	20.3

140577 2001 TF_{219} 3 5.2 86°.79 4°.4/29.1 18

2 1	11 25.58	+17 56.5	2.257	3.110	10.7	19.6
2 11	11 20.70	+19 3.6	2.201	3.119	7.9	19.4
2 21	11 14.13	+20 10.4	2.170	3.129	5.3	19.3
3 2	11 6.53	+21 10.2	2.169	3.138	4.5	19.3
3 12	10 58.73	+21 57.0	2.196	3.148	6.2	19.4
3 22	10 51.56	+22 27.0	2.250	3.157	8.9	19.6
4 1	10 45.75	+22 38.4	2.329	3.166	11.5	19.7
4 11	10 41.78	+22 31.9	2.429	3.176	13.8	19.9

343021 2009 BL_{108} 3 5.2 54°.82 0°.6/ 4.6 17

2 1	11 27.44	+ 6 56.6	2.145	2.979	11.9	20.9
2 11	11 22.10	+ 7 10.0	2.073	2.985	8.7	20.8
2 21	11 14.98	+ 7 30.6	2.026	2.991	5.0	20.5
3 2	11 6.75	+ 7 54.7	2.007	2.997	1.2	20.3
3 12	10 58.27	+ 8 17.7	2.018	3.003	3.0	20.4
3 22	10 50.41	+ 8 35.4	2.057	3.009	6.8	20.7
4 1	10 43.94	+ 8 44.7	2.123	3.016	10.2	20.9
4 11	10 39.40	+ 8 43.7	2.212	3.022	13.1	21.1

422480 2014 SR_{329} 3 5.2 181°.94 3°.0/ 7.9 18

2 1	11 28.66	− 4 30.1	1.912	2.710	14.6	21.2
2 11	11 23.30	− 4 21.7	1.828	2.711	11.3	21.0
2 21	11 15.85	− 3 54.8	1.766	2.711	7.6	20.7
3 2	11 7.00	− 3 11.6	1.732	2.711	4.0	20.5
3 12	10 57.71	− 2 16.8	1.726	2.711	3.5	20.5
3 22	10 49.03	− 1 16.9	1.749	2.710	6.9	20.7
4 1	10 41.88	− 0 18.7	1.798	2.708	10.7	20.9
4 11	10 36.93	+ 0 31.8	1.871	2.706	14.1	21.1

144878 2004 RO_{13} 3 5.2 306°.65 6°.5/12.4 18

2 1	11 22.45	−16 2.1	2.257	2.994	14.5	19.5
2 11	11 18.68	−16 15.0	2.151	2.977	12.3	19.3
2 21	11 13.13	−16 5.3	2.066	2.960	9.8	19.1
3 2	11 6.34	−15 31.9	2.006	2.943	7.6	18.9
3 12	10 59.06	−14 36.6	1.971	2.927	6.5	18.8
3 22	10 52.14	−13 24.0	1.964	2.911	7.4	18.8
4 1	10 46.40	−12 0.8	1.983	2.895	9.8	18.9
4 11	10 42.47	−10 34.9	2.027	2.879	12.5	19.1

354850 2005 YY_{148} 3 5.2 68°.55 4°.3/ 2.1 18

2 1	11 31.18	+12 34.9	1.284	2.148	16.4	21.0
2 11	11 25.65	+13 39.7	1.238	2.165	11.8	20.8
2 21	11 17.33	+14 50.4	1.214	2.182	7.1	20.5
3 2	11 7.33	+15 56.5	1.216	2.200	4.3	20.4
3 12	10 57.15	+16 47.8	1.244	2.217	6.9	20.6
3 22	10 48.22	+17 17.8	1.297	2.235	11.3	20.9
4 1	10 41.67	+17 24.1	1.372	2.253	15.5	21.2
4 11	10 38.10	+17 8.2	1.466	2.270	18.9	21.5

208031 1999 NE_{23} 3 5.2 189°.58 1°.8/ 6.7 18

2 1	11 31.41	− 1 18.4	1.757	2.568	15.1	21.1
2 11	11 25.49	− 0 56.0	1.673	2.568	11.5	20.9
2 21	11 17.23	− 0 15.6	1.612	2.566	7.3	20.6
3 2	11 7.35	+ 0 39.3	1.578	2.564	2.9	20.3
3 12	10 56.97	+ 1 42.5	1.573	2.561	3.2	20.3
3 22	10 47.25	+ 2 46.6	1.597	2.557	7.6	20.6
4 1	10 39.27	+ 3 44.3	1.647	2.552	11.9	20.8
4 11	10 33.74	+ 4 30.1	1.720	2.546	15.6	21.1

361578 2007 RS_{174} 3 5.2 215°.11 0°.7/ 4.5 17

2 1	11 27.52	+ 3 53.7	1.801	2.635	13.8	21.6
2 11	11 22.62	+ 4 53.7	1.717	2.629	10.2	21.3
2 21	11 15.53	+ 6 9.0	1.658	2.623	5.9	21.1
3 2	11 6.93	+ 7 33.4	1.626	2.616	1.4	20.7
3 12	10 57.85	+ 8 58.5	1.623	2.608	3.6	20.9
3 22	10 49.36	+10 16.0	1.649	2.600	8.2	21.1
4 1	10 42.46	+11 19.2	1.701	2.592	12.4	21.4
4 11	10 37.84	+12 4.1	1.774	2.583	15.9	21.6

205906 2002 GA_{80} 3 5.2 306°.11 3°.9/ 2.3 17

2 1	11 27.71	+11 48.0	1.363	2.228	15.5	19.9
2 11	11 23.52	+12 41.7	1.279	2.207	11.4	19.6
2 21	11 16.43	+13 45.3	1.217	2.186	6.9	19.2
3 2	11 7.22	+14 50.1	1.180	2.166	3.9	19.0
3 12	10 57.19	+15 45.3	1.170	2.146	6.7	19.1
3 22	10 47.86	+16 22.2	1.183	2.126	11.7	19.3
4 1	10 40.60	+16 35.7	1.219	2.107	16.5	19.5
4 11	10 36.37	+16 24.7	1.273	2.088	20.6	19.7

538 Friederike 3 5.2 145°.43 0°.9/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.86	+ 6 47.4	2.772	3.601	9.7	15.1
2 11	11 19.17	+ 7 34.7	2.698	3.609	7.0	15.0
2 21	11 13.15	+ 8 29.0	2.652	3.617	4.0	14.8
3 2	11 6.30	+ 9 26.1	2.635	3.624	1.1	14.6
3 12	10 59.25	+10 21.2	2.649	3.631	2.8	14.7
3 22	10 52.64	+11 10.1	2.693	3.638	5.8	14.9
4 1	10 47.04	+11 49.5	2.765	3.644	8.6	15.1
4 11	10 42.90	+12 17.3	2.860	3.650	11.0	15.3

498166 2007 TU_{177} 3 5.2 134°.84 3°.3/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.03	+15 58.4	2.555	3.399	9.9	21.7
2 11	11 21.56	+16 47.0	2.493	3.409	7.2	21.6
2 21	11 14.56	+17 36.2	2.457	3.419	4.6	21.4
3 2	11 6.64	+18 20.8	2.451	3.428	3.4	21.4
3 12	10 58.55	+18 56.0	2.475	3.437	4.9	21.5
3 22	10 51.02	+19 18.4	2.528	3.445	7.6	21.6
4 1	10 44.71	+19 26.3	2.607	3.453	10.2	21.8
4 11	10 40.09	+19 19.7	2.708	3.461	12.4	22.0

17136 1999 JE_{82} 3 5.2 63°.11 4°.0/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.26	+12 20.0	1.616	2.476	13.8	17.0
2 11	11 21.67	+13 45.2	1.565	2.491	9.9	16.8
2 21	11 14.89	+15 16.5	1.539	2.506	6.0	16.6
3 2	11 6.74	+16 44.1	1.539	2.521	4.0	16.5
3 12	10 58.37	+17 58.7	1.568	2.536	6.4	16.7
3 22	10 50.88	+18 53.4	1.622	2.551	10.1	16.9
4 1	10 45.20	+19 25.1	1.700	2.567	13.7	17.2
4 11	10 41.89	+19 33.9	1.798	2.582	16.7	17.4

70288 1999 RS_{118} 3 5.2 234°.54 2°.4/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.27	− 3 27.9	1.809	2.618	14.9	19.5
2 11	11 22.48	− 3 3.6	1.718	2.609	11.5	19.3
2 21	11 15.48	− 2 19.3	1.648	2.599	7.5	19.0
3 2	11 6.94	− 1 17.7	1.606	2.589	3.5	18.7
3 12	10 57.84	− 0 4.8	1.591	2.578	3.3	18.7
3 22	10 49.28	+ 1 11.8	1.605	2.567	7.3	18.9
4 1	10 42.27	+ 2 24.0	1.645	2.556	11.5	19.1
4 11	10 37.54	+ 3 25.3	1.708	2.544	15.2	19.3

211220 2002 PV_{85} 3 5.2 206°.38 2°.2/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.97	+ 9 37.4	2.059	2.899	12.1	21.4
2 11	11 23.43	+10 30.5	1.978	2.893	8.8	21.2
2 21	11 15.89	+11 31.5	1.922	2.888	5.1	20.9
3 2	11 7.02	+12 34.2	1.894	2.881	2.2	20.7
3 12	10 57.73	+13 31.6	1.897	2.874	4.4	20.9
3 22	10 49.02	+14 17.9	1.928	2.866	8.2	21.1
4 1	10 41.76	+14 49.1	1.985	2.858	11.7	21.3
4 11	10 36.59	+15 3.7	2.064	2.849	14.8	21.5

206255 2002 XL_{68} 3 5.2 96°.50 3°.5/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.60	− 6 16.6	2.331	3.112	12.8	19.9
2 11	11 22.10	− 6 29.8	2.257	3.126	10.1	19.7
2 21	11 14.95	− 6 27.8	2.206	3.140	7.1	19.5
3 2	11 6.76	− 6 11.6	2.183	3.154	4.3	19.4
3 12	10 58.33	− 5 44.2	2.189	3.168	3.7	19.4
3 22	10 50.47	− 5 9.9	2.224	3.181	5.9	19.5
4 1	10 43.89	− 4 33.4	2.287	3.195	8.8	19.7
4 11	10 39.11	− 3 59.6	2.374	3.208	11.6	19.9

224615 2005 YW_{69} 3 5.2 54°.06 1°.4/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.96	+ 7 28.0	1.822	2.666	13.2	20.7
2 11	11 22.06	+ 8 5.2	1.752	2.669	9.6	20.5
2 21	11 15.11	+ 8 51.8	1.705	2.672	5.5	20.2
3 2	11 6.82	+ 9 42.1	1.686	2.676	1.6	20.0
3 12	10 58.21	+10 29.3	1.696	2.679	3.9	20.1
3 22	10 50.29	+11 7.6	1.733	2.683	8.0	20.4
4 1	10 43.98	+11 32.7	1.796	2.686	11.8	20.6
4 11	10 39.86	+11 42.6	1.880	2.690	15.1	20.9

83438 2001 SN_{55} 3 5.2 270°.54 5°.2/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.64	+17 44.8	1.814	2.670	12.8	19.3
2 11	11 24.27	+18 45.2	1.735	2.655	9.5	19.0
2 21	11 16.55	+19 47.1	1.679	2.639	6.4	18.8
3 2	11 7.21	+20 42.2	1.651	2.624	5.2	18.7
3 12	10 57.34	+21 22.4	1.651	2.609	7.4	18.8
3 22	10 48.13	+21 42.2	1.677	2.593	10.8	19.0
4 1	10 40.63	+21 39.7	1.727	2.577	14.3	19.2
4 11	10 35.58	+21 15.5	1.797	2.561	17.4	19.3

374513 2005 YX_{236} 3 5.2 355°.34 0°.0/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.15	+ 3 20.6	1.548	2.394	15.1	20.8
2 11	11 20.36	+ 3 53.5	1.474	2.391	11.1	20.5
2 21	11 14.27	+ 4 42.0	1.422	2.388	6.6	20.3
3 2	11 6.64	+ 5 40.7	1.397	2.386	1.6	19.9
3 12	10 58.58	+ 6 41.7	1.398	2.385	3.5	20.0
3 22	10 51.23	+ 7 37.3	1.425	2.385	8.3	20.3
4 1	10 45.63	+ 8 20.9	1.477	2.385	12.7	20.6
4 11	10 42.46	+ 8 48.3	1.549	2.386	16.5	20.8

522316 2016 BB_{102} 3 5.2 170°.25 1°.1/ 4.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.68	+ 5 58.1	2.035	2.870	12.4	21.4
2 11	11 21.70	+ 6 50.2	1.959	2.873	9.0	21.2
2 21	11 14.84	+ 7 53.0	1.909	2.875	5.2	20.9
3 2	11 6.76	+ 9 0.8	1.887	2.877	1.4	20.7
3 12	10 58.35	+10 6.7	1.895	2.878	3.5	20.8
3 22	10 50.54	+11 4.6	1.931	2.879	7.5	21.1
4 1	10 44.14	+11 49.4	1.994	2.880	11.1	21.3
4 11	10 39.76	+12 18.8	2.079	2.880	14.1	21.5

273852 2007 GD_{47} 3 5.2 190°.94 0°.7/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.14	+ 0 53.6	2.120	2.940	12.5	21.2
2 11	11 20.54	+ 1 32.9	2.038	2.940	9.4	21.0
2 21	11 14.16	+ 2 26.2	1.980	2.939	5.7	20.8
3 2	11 6.60	+ 3 29.5	1.950	2.938	1.7	20.5
3 12	10 58.71	+ 4 36.9	1.949	2.937	2.6	20.6
3 22	10 51.33	+ 5 41.9	1.977	2.935	6.5	20.8
4 1	10 45.27	+ 6 38.9	2.033	2.934	10.2	21.0
4 11	10 41.09	+ 7 23.8	2.112	2.932	13.3	21.2

85726 1998 SF_{71} 3 5.2 222°.75 1°.0/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.37	+ 0 59.3	1.680	2.504	15.1	20.5
2 11	11 24.90	+ 1 21.4	1.593	2.496	11.4	20.2
2 21	11 16.98	+ 2 0.1	1.529	2.488	7.0	19.9
3 2	11 7.35	+ 2 51.5	1.491	2.479	2.3	19.6
3 12	10 57.12	+ 3 49.2	1.482	2.470	3.2	19.6
3 22	10 47.51	+ 4 45.6	1.500	2.459	8.1	19.9
4 1	10 39.66	+ 5 33.8	1.544	2.449	12.6	20.1
4 11	10 34.34	+ 6 8.9	1.610	2.437	16.4	20.4

408632 2014 LE_{12} 3 5.2 216°.69 2°.5/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.44	− 3 13.9	1.880	2.681	14.7	22.4
2 11	11 24.76	− 3 0.2	1.785	2.673	11.4	22.2
2 21	11 16.83	− 2 28.3	1.714	2.663	7.5	21.9
3 2	11 7.31	− 1 40.3	1.670	2.653	3.6	21.7
3 12	10 57.20	− 0 41.3	1.655	2.641	3.3	21.6
3 22	10 47.62	+ 0 22.0	1.669	2.629	7.3	21.8
4 1	10 39.60	+ 1 22.3	1.709	2.616	11.4	22.1
4 11	10 33.89	+ 2 13.5	1.773	2.602	15.1	22.3

292319 2006 SA_{166} 3 5.2 117°.25 0°.1/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.02	+ 4 37.7	2.363	3.187	11.3	20.4
2 11	11 21.69	+ 4 48.0	2.285	3.191	8.3	20.2
2 21	11 14.73	+ 5 6.7	2.233	3.195	4.9	20.0
3 2	11 6.74	+ 5 30.5	2.209	3.198	1.2	19.7
3 12	10 58.48	+ 5 55.3	2.215	3.202	2.5	19.8
3 22	10 50.76	+ 6 17.4	2.251	3.205	6.1	20.1
4 1	10 44.28	+ 6 33.3	2.314	3.209	9.3	20.3
4 11	10 39.55	+ 6 40.6	2.400	3.212	12.1	20.5

149730 2004 KG_{5} 3 5.2 233°.94 1°.3/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.73	+ 7 23.2	2.017	2.855	12.4	20.8
2 11	11 22.58	+ 8 4.1	1.931	2.846	9.1	20.6
2 21	11 15.44	+ 8 54.5	1.871	2.837	5.2	20.4
3 2	11 6.94	+ 9 49.0	1.838	2.827	1.6	20.1
3 12	10 58.01	+10 41.3	1.835	2.817	3.7	20.2
3 22	10 49.61	+11 25.5	1.860	2.807	7.8	20.4
4 1	10 42.65	+11 57.0	1.911	2.796	11.5	20.6
4 11	10 37.76	+12 13.5	1.985	2.785	14.7	20.8

346801 2009 BP_{176} 3 5.2 272°.77 0°.3/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.03	+ 3 34.4	2.284	3.113	11.4	21.5
2 11	11 18.89	+ 4 24.3	2.203	3.112	8.4	21.3
2 21	11 13.15	+ 5 25.7	2.147	3.111	4.9	21.0
3 2	11 6.36	+ 6 34.0	2.120	3.110	1.1	20.8
3 12	10 59.27	+ 7 43.2	2.123	3.109	2.7	20.9
3 22	10 52.66	+ 8 47.5	2.155	3.108	6.4	21.1
4 1	10 47.22	+ 9 41.8	2.213	3.107	9.8	21.3
4 11	10 43.50	+10 22.9	2.295	3.105	12.7	21.5

289875 2005 MU_{21} 3 5.2 202°.86 0°.0/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.13	+ 3 34.9	2.882	3.700	9.7	22.2
2 11	11 19.39	+ 4 5.3	2.793	3.696	7.1	22.0
2 21	11 13.33	+ 4 44.2	2.730	3.691	4.2	21.8
3 2	11 6.39	+ 5 28.5	2.697	3.687	1.1	21.5
3 12	10 59.20	+ 6 14.1	2.695	3.681	2.2	21.6
3 22	10 52.37	+ 6 57.2	2.723	3.676	5.3	21.8
4 1	10 46.50	+ 7 34.1	2.779	3.670	8.1	22.0
4 11	10 42.02	+ 8 2.2	2.860	3.664	10.6	22.2

488647 2003 QL_{81} 3 5.2 210°.09 0°.0/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.21	+ 3 43.8	2.110	2.930	12.6	23.1
2 11	11 24.33	+ 4 14.0	2.019	2.923	9.3	22.9
2 21	11 16.45	+ 4 55.7	1.953	2.915	5.5	22.6
3 2	11 7.20	+ 5 45.0	1.916	2.906	1.4	22.3
3 12	10 57.49	+ 6 36.0	1.909	2.896	2.9	22.4
3 22	10 48.30	+ 7 23.2	1.932	2.885	7.1	22.7
4 1	10 40.51	+ 8 1.5	1.982	2.874	10.9	22.9
4 11	10 34.80	+ 8 27.7	2.055	2.861	14.1	23.0

61472 2000 QS_{35} 3 5.2 137°.26 0°.7/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.47	+ 6 26.6	2.856	3.682	9.5	19.9
2 11	11 19.58	+ 7 5.4	2.785	3.693	6.9	19.8
2 21	11 13.39	+ 7 50.7	2.740	3.704	3.9	19.6
3 2	11 6.41	+ 8 38.8	2.725	3.714	1.0	19.4
3 12	10 59.25	+ 9 25.5	2.741	3.724	2.6	19.5
3 22	10 52.53	+10 6.9	2.787	3.733	5.5	19.7
4 1	10 46.81	+10 39.9	2.861	3.742	8.2	19.9
4 11	10 42.52	+11 2.7	2.959	3.751	10.6	20.1

182642 2001 UO_{160} 3 5.2 203°.87 3°.0/ 2.1 18

2 1	11 28.55	+12 52.7	2.195	3.038	11.3	20.8
2 11	11 23.02	+13 46.4	2.116	3.034	8.2	20.6
2 21	11 15.63	+14 44.6	2.064	3.029	5.0	20.4
3 2	11 6.99	+15 41.1	2.041	3.024	3.0	20.3
3 12	10 58.01	+16 29.6	2.048	3.018	5.0	20.4
3 22	10 49.58	+17 5.0	2.083	3.012	8.3	20.6
4 1	10 42.54	+17 24.6	2.144	3.005	11.5	20.8
4 11	10 37.48	+17 27.5	2.227	2.997	14.3	20.9

8244 Mikolaichuk 3 5.2 133°.69 1°.2/ 6.4 18

2 1	11 29.20	− 0 48.5	1.870	2.684	14.2	18.7
2 11	11 23.60	− 0 7.5	1.801	2.698	10.7	18.5
2 21	11 15.98	+ 0 50.3	1.756	2.712	6.6	18.3
3 2	11 7.07	+ 2 0.2	1.738	2.725	2.3	18.0
3 12	10 57.89	+ 3 15.1	1.750	2.737	2.8	18.1
3 22	10 49.44	+ 4 27.7	1.790	2.749	7.0	18.4
4 1	10 42.61	+ 5 31.5	1.858	2.760	10.9	18.6
4 11	10 37.97	+ 6 21.7	1.948	2.770	14.2	18.9

59306 1999 CN_{79} 3 5.2 230°.12 0°.2/ 5.4 18

2 1	11 27.72	+ 1 34.3	1.759	2.587	14.4	19.3
2 11	11 22.88	+ 2 25.3	1.670	2.577	10.7	19.0
2 21	11 15.77	+ 3 34.0	1.605	2.567	6.4	18.8
3 2	11 7.08	+ 4 55.2	1.567	2.556	1.7	18.4
3 12	10 57.82	+ 6 20.8	1.557	2.545	3.3	18.5
3 22	10 49.13	+ 7 42.2	1.577	2.533	8.0	18.8
4 1	10 42.03	+ 8 51.8	1.622	2.520	12.4	19.0
4 11	10 37.29	+ 9 44.4	1.688	2.507	16.1	19.2

358011 2006 DW_{115} 3 5.2 202°.26 2°.8/ 2.7 17

2 1	11 32.85	+12 21.2	2.083	2.920	12.1	21.7
2 11	11 26.27	+13 1.3	2.001	2.915	8.8	21.5
2 21	11 17.59	+13 46.0	1.945	2.909	5.3	21.3
3 2	11 7.50	+14 29.2	1.918	2.902	2.8	21.1
3 12	10 57.00	+15 4.6	1.921	2.895	4.8	21.2
3 22	10 47.13	+15 27.6	1.954	2.887	8.5	21.4
4 1	10 38.81	+15 35.4	2.012	2.877	11.9	21.6
4 11	10 32.70	+15 27.6	2.093	2.867	14.9	21.8

400573 2008 YJ_{14} 3 5.2 354°.75 5°.1/ 8.9 18

2 1	11 27.89	− 6 46.2	1.403	2.214	18.3	20.0
2 11	11 23.41	− 7 5.7	1.327	2.212	14.6	19.8
2 21	11 16.25	− 7 0.7	1.270	2.211	10.3	19.5
3 2	11 7.21	− 6 31.5	1.237	2.211	6.3	19.3
3 12	10 57.58	− 5 42.6	1.229	2.210	5.4	19.2
3 22	10 48.72	− 4 41.8	1.246	2.210	8.7	19.4
4 1	10 41.88	− 3 38.6	1.288	2.210	13.1	19.6
4 11	10 37.87	− 2 41.8	1.350	2.211	17.1	19.9

22425 1996 AZ 3 5.2 83°.80 2°.0/ 3.2 18

2 1	11 26.36	+ 9 6.4	1.935	2.781	12.5	18.9
2 11	11 21.50	+ 9 57.8	1.870	2.789	9.0	18.7
2 21	11 14.74	+10 56.8	1.831	2.798	5.2	18.5
3 2	11 6.78	+11 57.3	1.819	2.806	2.1	18.3
3 12	10 58.56	+12 52.1	1.836	2.815	4.3	18.4
3 22	10 51.03	+13 35.9	1.881	2.823	8.0	18.7
4 1	10 45.01	+14 4.6	1.951	2.832	11.5	18.9
4 11	10 41.05	+14 17.0	2.043	2.840	14.5	19.1

500410 2012 TD_{112} 3 5.2 135°.54 3°.3/ 9.2 17

2 1	11 24.23	− 7 46.8	2.501	3.276	12.2	22.4
2 11	11 19.64	− 7 34.1	2.418	3.283	9.7	22.2
2 21	11 13.54	− 7 4.9	2.358	3.290	6.8	22.1
3 2	11 6.48	− 6 20.9	2.326	3.296	4.2	21.9
3 12	10 59.16	− 5 25.8	2.323	3.302	3.4	21.9
3 22	10 52.30	− 4 24.4	2.349	3.308	5.5	22.0
4 1	10 46.56	− 3 22.3	2.403	3.314	8.4	22.2
4 11	10 42.42	− 2 24.6	2.482	3.319	11.0	22.4

370647 2004 BP_{55} 3 5.2 48°.04 0°.5/ 5.7 18

2 1	11 26.42	+ 2 19.6	1.736	2.569	14.3	20.8
2 11	11 21.56	+ 2 48.0	1.685	2.594	10.5	20.6
2 21	11 14.74	+ 3 29.9	1.656	2.619	6.2	20.4
3 2	11 6.76	+ 4 20.2	1.655	2.644	1.7	20.1
3 12	10 58.65	+ 5 12.3	1.682	2.670	2.9	20.3
3 22	10 51.39	+ 5 59.8	1.736	2.696	7.2	20.6
4 1	10 45.79	+ 6 37.8	1.816	2.721	10.9	20.9
4 11	10 42.35	+ 7 2.9	1.919	2.748	14.1	21.1

288265 2003 YR_{150} 3 5.2 54°.03 3°.0/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.76	+13 45.4	2.049	2.896	11.9	20.4
2 11	11 23.18	+14 15.0	1.982	2.901	8.6	20.2
2 21	11 15.69	+14 47.1	1.940	2.905	5.2	20.0
3 2	11 7.01	+15 16.1	1.927	2.910	3.0	19.8
3 12	10 58.09	+15 36.5	1.942	2.915	4.9	20.0
3 22	10 49.86	+15 44.8	1.985	2.919	8.3	20.2
4 1	10 43.16	+15 38.9	2.054	2.924	11.5	20.4
4 11	10 38.53	+15 18.8	2.145	2.929	14.3	20.6

465132 2006 YG_{15} 3 5.2 104°.10 1°.2/ 6.4 18

2 1	11 29.59	+ 0 16.3	1.919	2.734	13.9	21.6
2 11	11 23.78	+ 0 38.5	1.856	2.754	10.4	21.4
2 21	11 16.03	+ 1 14.9	1.817	2.774	6.4	21.2
3 2	11 7.09	+ 2 1.5	1.806	2.793	2.3	21.0
3 12	10 57.96	+ 2 52.6	1.824	2.812	2.7	21.0
3 22	10 49.60	+ 3 42.1	1.871	2.830	6.7	21.3
4 1	10 42.83	+ 4 24.8	1.945	2.848	10.4	21.6
4 11	10 38.22	+ 4 56.7	2.042	2.865	13.6	21.8

243183 2007 TC_{212} 3 5.2 46°.43 4°.0/ 9.4 17

2 1	11 24.20	− 8 2.8	2.045	2.831	14.2	20.2
2 11	11 19.90	− 7 59.9	1.969	2.840	11.3	20.0
2 21	11 13.80	− 7 37.5	1.915	2.848	8.0	19.8
3 2	11 6.56	− 6 57.2	1.887	2.857	5.0	19.7
3 12	10 59.02	− 6 3.0	1.886	2.866	4.1	19.6
3 22	10 52.06	− 5 0.9	1.914	2.875	6.4	19.8
4 1	10 46.45	− 3 57.5	1.968	2.884	9.6	20.0
4 11	10 42.77	− 2 59.1	2.047	2.894	12.6	20.2

409936 2006 UN_{67} 3 5.2 99°.35 3°.0/ 2.4 18

2 1	11 31.41	+12 6.2	1.935	2.777	12.6	22.5
2 11	11 25.01	+13 3.2	1.887	2.804	9.1	22.3
2 21	11 16.68	+14 4.0	1.866	2.831	5.4	22.2
3 2	11 7.24	+15 1.7	1.873	2.856	3.0	22.0
3 12	10 57.71	+15 49.5	1.909	2.881	5.0	22.2
3 22	10 49.07	+16 22.9	1.974	2.906	8.5	22.5
4 1	10 42.14	+16 39.6	2.065	2.930	11.7	22.7
4 11	10 37.41	+16 39.6	2.177	2.953	14.4	23.0

206068 2002 RM_{3} 3 5.2 257°.35 2°.1/ 3.4 17

2 1	11 28.70	+ 8 46.3	1.824	2.668	13.2	20.6
2 11	11 23.60	+ 9 35.2	1.733	2.651	9.7	20.3
2 21	11 16.21	+10 34.3	1.667	2.634	5.7	20.1
3 2	11 7.21	+11 37.1	1.629	2.617	2.2	19.8
3 12	10 57.62	+12 36.0	1.619	2.599	4.6	19.9
3 22	10 48.55	+13 24.1	1.637	2.580	8.9	20.1
4 1	10 41.06	+13 56.2	1.680	2.561	13.0	20.3
4 11	10 35.91	+14 10.2	1.744	2.542	16.5	20.5

332134 2005 WU_{107} 3 5.2 115°.35 3°.5/ 1.6 18

2 1	11 27.98	+13 51.6	2.054	2.903	11.8	21.0
2 11	11 22.57	+14 55.8	1.996	2.916	8.5	20.8
2 21	11 15.32	+16 3.1	1.965	2.929	5.2	20.6
3 2	11 6.93	+17 6.6	1.961	2.941	3.5	20.5
3 12	10 58.34	+17 59.4	1.987	2.954	5.5	20.7
3 22	10 50.45	+18 36.7	2.041	2.966	8.7	20.9
4 1	10 44.08	+18 56.3	2.120	2.977	11.7	21.1
4 11	10 39.74	+18 58.0	2.221	2.988	14.4	21.3

333225 2012 HD_{40} 3 5.2 301°.52 3°.7/ 2.1 17

2 1	11 27.68	+12 53.4	1.653	2.511	13.7	20.4
2 11	11 22.98	+13 44.9	1.575	2.499	10.0	20.1
2 21	11 15.88	+14 42.7	1.520	2.486	6.1	19.9
3 2	11 7.13	+15 39.1	1.491	2.474	3.7	19.7
3 12	10 57.85	+16 25.6	1.490	2.463	6.1	19.8
3 22	10 49.24	+16 55.8	1.515	2.451	10.2	20.0
4 1	10 42.40	+17 6.2	1.564	2.440	14.1	20.2
4 11	10 38.07	+16 56.0	1.632	2.429	17.6	20.4

468169 2014 WS_{478} 3 5.2 101°.39 5°.3/27.4 18

2 1	11 26.20	+17 37.2	2.098	2.953	11.3	20.4
2 11	11 21.31	+19 42.6	2.052	2.972	8.3	20.2
2 21	11 14.61	+21 48.4	2.034	2.990	5.9	20.1
3 2	11 6.77	+23 44.8	2.046	3.008	5.5	20.1
3 12	10 58.70	+25 23.1	2.087	3.026	7.4	20.2
3 22	10 51.31	+26 37.9	2.156	3.043	10.2	20.4
4 1	10 45.37	+27 27.1	2.249	3.060	12.8	20.6
4 11	10 41.43	+27 51.7	2.362	3.077	15.0	20.8

459051 2012 BF_{4} 3 5.2 19°.14 3°.0/ 7.5 18

2 1	11 27.70	− 2 29.1	1.449	2.274	17.0	20.9
2 11	11 23.12	− 2 32.3	1.376	2.276	13.1	20.6
2 21	11 16.00	− 2 15.1	1.325	2.279	8.6	20.4
3 2	11 7.16	− 1 40.0	1.298	2.281	4.2	20.1
3 12	10 57.84	− 0 52.7	1.298	2.285	3.8	20.1
3 22	10 49.34	− 0 1.1	1.323	2.288	8.2	20.4
4 1	10 42.78	+ 0 47.1	1.373	2.292	12.7	20.6
4 11	10 38.92	+ 1 25.3	1.444	2.296	16.6	20.9

365155 2009 DT_{97} 3 5.2 12°.37 2°.5/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.85	+ 8 9.0	1.203	2.071	17.0	20.6
2 11	11 22.10	+ 9 1.1	1.143	2.073	12.3	20.3
2 21	11 15.51	+10 6.8	1.105	2.075	7.1	20.0
3 2	11 7.05	+11 16.8	1.090	2.079	2.6	19.8
3 12	10 58.13	+12 20.0	1.101	2.084	5.6	20.0
3 22	10 50.25	+13 7.4	1.136	2.089	10.8	20.3
4 1	10 44.62	+13 33.3	1.193	2.095	15.6	20.5
4 11	10 41.99	+13 36.2	1.268	2.102	19.6	20.8

79977 1999 CS_{155} 3 5.2 215°.87 3°.7/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.14	− 6 0.3	2.228	3.008	13.4	18.9
2 11	11 24.26	− 6 17.3	2.131	3.000	10.6	18.7
2 21	11 16.43	− 6 18.7	2.058	2.992	7.5	18.5
3 2	11 7.26	− 6 5.0	2.012	2.984	4.6	18.3
3 12	10 57.61	− 5 38.9	1.996	2.975	4.0	18.2
3 22	10 48.40	− 5 4.6	2.009	2.966	6.5	18.4
4 1	10 40.51	− 4 27.2	2.050	2.956	9.8	18.6
4 11	10 34.59	− 3 52.0	2.114	2.945	12.9	18.7

272993 2006 DU_{44} 3 5.2 181°.84 1°.5/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.73	+ 8 53.6	2.208	3.045	11.5	21.6
2 11	11 22.37	+ 9 28.2	2.131	3.046	8.4	21.4
2 21	11 15.23	+10 9.5	2.080	3.046	4.8	21.2
3 2	11 6.94	+10 52.5	2.057	3.046	1.7	21.0
3 12	10 58.34	+11 31.9	2.065	3.045	3.6	21.1
3 22	10 50.31	+12 3.1	2.101	3.045	7.2	21.4
4 1	10 43.63	+12 22.6	2.163	3.044	10.6	21.6
4 11	10 38.85	+12 28.8	2.249	3.042	13.4	21.8

284900 2009 US_{80} 3 5.2 121°.63 5°.9/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.25	−14 12.0	2.029	2.779	15.4	20.7
2 11	11 20.76	−14 9.1	1.946	2.786	12.8	20.5
2 21	11 14.37	−13 41.7	1.884	2.792	9.8	20.3
3 2	11 6.74	−12 50.0	1.847	2.798	7.1	20.2
3 12	10 58.75	−11 37.7	1.838	2.804	5.9	20.1
3 22	10 51.34	−10 11.5	1.856	2.809	7.2	20.2
4 1	10 45.35	− 8 39.4	1.900	2.815	10.0	20.4
4 11	10 41.36	− 7 10.0	1.970	2.820	12.9	20.6

230460 2002 RU_{141} 3 5.2 148°.64 2°.4/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.99	− 2 16.7	1.652	2.463	16.0	21.6
2 11	11 25.96	− 2 4.1	1.579	2.472	12.2	21.4
2 21	11 17.54	− 1 32.7	1.529	2.481	7.9	21.2
3 2	11 7.53	− 0 45.6	1.505	2.489	3.5	20.9
3 12	10 57.13	+ 0 11.1	1.509	2.496	3.4	20.9
3 22	10 47.54	+ 1 9.9	1.541	2.502	7.7	21.2
4 1	10 39.82	+ 2 3.5	1.600	2.508	11.9	21.4
4 11	10 34.66	+ 2 46.3	1.680	2.513	15.6	21.7

493489 2015 AN_{182} 3 5.2 156°.68 2°.8/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.72	+11 55.2	2.116	2.963	11.6	21.5
2 11	11 21.70	+12 53.5	2.047	2.966	8.4	21.3
2 21	11 14.86	+13 56.9	2.003	2.969	5.0	21.1
3 2	11 6.85	+14 59.1	1.988	2.972	2.8	21.0
3 12	10 58.55	+15 53.6	2.002	2.974	4.8	21.1
3 22	10 50.87	+16 35.1	2.045	2.977	8.2	21.3
4 1	10 44.58	+17 0.5	2.113	2.979	11.4	21.5
4 11	10 40.25	+17 8.9	2.203	2.981	14.2	21.7

104847 2000 HV_{73} 3 5.2 334°.86 6°.0/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.60	+20 35.7	1.968	2.827	11.7	19.4
2 11	11 21.11	+21 58.1	1.905	2.824	8.9	19.3
2 21	11 14.61	+23 19.2	1.868	2.821	6.5	19.1
3 2	11 6.80	+24 30.4	1.858	2.818	6.1	19.1
3 12	10 58.66	+25 24.0	1.876	2.816	8.0	19.2
3 22	10 51.18	+25 55.4	1.919	2.813	10.8	19.3
4 1	10 45.24	+26 3.1	1.985	2.811	13.7	19.5
4 11	10 41.44	+25 48.4	2.071	2.809	16.1	19.7

453298 2008 UR_{109} 3 5.2 291°.57 5°.6/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.77	− 8 3.4	1.409	2.214	18.5	21.2
2 11	11 23.45	− 8 20.9	1.325	2.206	14.9	21.0
2 21	11 16.37	− 8 12.3	1.260	2.198	10.8	20.7
3 2	11 7.31	− 7 37.3	1.218	2.190	6.9	20.4
3 12	10 57.51	− 6 39.9	1.202	2.182	5.8	20.4
3 22	10 48.39	− 5 28.2	1.211	2.174	9.0	20.5
4 1	10 41.25	− 4 12.5	1.243	2.167	13.4	20.7
4 11	10 36.99	− 3 2.9	1.297	2.159	17.6	21.0

451007 2008 UE_{53} 3 5.2 72°.60 2°.2/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.56	+ 8 21.7	1.341	2.194	16.5	21.8
2 11	11 26.48	+ 9 10.0	1.298	2.220	11.9	21.6
2 21	11 17.79	+10 8.2	1.277	2.245	6.8	21.4
3 2	11 7.56	+11 7.7	1.282	2.271	2.4	21.2
3 12	10 57.25	+11 59.2	1.314	2.296	5.0	21.4
3 22	10 48.21	+12 36.0	1.372	2.321	9.8	21.8
4 1	10 41.47	+12 54.5	1.454	2.346	14.0	22.1
4 11	10 37.59	+12 54.1	1.556	2.370	17.5	22.4

353940 1998 QG_{85} 3 5.2 198°.62 4°.1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.62	− 7 35.7	1.950	2.730	15.0	21.8
2 11	11 24.84	− 7 32.0	1.858	2.726	12.0	21.5
2 21	11 16.88	− 7 7.7	1.788	2.722	8.4	21.3
3 2	11 7.40	− 6 23.7	1.745	2.717	5.1	21.1
3 12	10 57.40	− 5 24.3	1.730	2.710	4.3	21.0
3 22	10 47.94	− 4 15.8	1.744	2.703	7.2	21.2
4 1	10 40.01	− 3 5.8	1.786	2.695	10.8	21.4
4 11	10 34.32	− 2 1.4	1.851	2.686	14.3	21.6

224228 2005 SM_{65} 3 5.2 263°.91 7°.2/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 44.84	+26 22.2	1.886	2.714	13.6	20.6
2 11	11 35.41	+26 40.8	1.802	2.699	10.7	20.4
2 21	11 23.11	+26 48.8	1.744	2.684	8.2	20.2
3 2	11 8.94	+26 38.0	1.715	2.669	7.2	20.1
3 12	10 54.32	+26 2.5	1.715	2.653	8.8	20.2
3 22	10 40.75	+25 1.3	1.744	2.637	11.8	20.3
4 1	10 29.48	+23 37.4	1.799	2.621	15.0	20.5
4 11	10 21.26	+21 56.3	1.875	2.605	17.9	20.7

41694 2000 UT_{41} 3 5.2 34°.67 1°.1/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.60	+ 0 36.4	1.652	2.484	15.0	18.8
2 11	11 21.26	+ 1 1.0	1.583	2.490	11.2	18.6
2 21	11 14.75	+ 1 42.1	1.537	2.497	6.9	18.3
3 2	11 6.85	+ 2 35.4	1.517	2.505	2.3	18.1
3 12	10 58.62	+ 3 34.0	1.524	2.512	3.0	18.1
3 22	10 51.12	+ 4 30.6	1.559	2.521	7.5	18.4
4 1	10 45.31	+ 5 18.7	1.618	2.529	11.7	18.7
4 11	10 41.81	+ 5 53.7	1.700	2.538	15.2	18.9

135497 2001 XM_{76} 3 5.2 191°.66 1°.7/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.32	− 2 24.3	2.774	3.570	10.6	20.8
2 11	11 19.61	− 2 4.2	2.684	3.569	8.1	20.6
2 21	11 13.52	− 1 31.9	2.619	3.567	5.3	20.4
3 2	11 6.53	− 0 49.7	2.582	3.565	2.4	20.2
3 12	10 59.27	− 0 1.3	2.576	3.562	2.3	20.2
3 22	10 52.39	+ 0 49.0	2.600	3.559	5.1	20.4
4 1	10 46.49	+ 1 36.9	2.652	3.556	8.0	20.5
4 11	10 42.05	+ 2 18.7	2.730	3.552	10.5	20.7

468250 2015 BO_{278} 3 5.2 234°.02 0°.5/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.03	+ 4 43.0	2.227	3.058	11.7	21.2
2 11	11 20.47	+ 5 28.5	2.140	3.051	8.5	21.0
2 21	11 14.17	+ 6 24.9	2.079	3.044	5.0	20.7
3 2	11 6.71	+ 7 27.7	2.046	3.036	1.2	20.4
3 12	10 58.89	+ 8 30.8	2.043	3.029	3.0	20.6
3 22	10 51.53	+ 9 28.4	2.069	3.021	6.8	20.8
4 1	10 45.41	+10 15.8	2.122	3.013	10.3	21.0
4 11	10 41.10	+10 49.6	2.198	3.004	13.3	21.2

341688 2007 VQ_{119} 3 5.2 122°.82 0°.8/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.89	+ 0 17.8	2.237	3.055	12.1	20.8
2 11	11 19.56	+ 0 58.3	2.158	3.058	9.0	20.6
2 21	11 13.60	+ 1 52.5	2.104	3.062	5.5	20.4
3 2	11 6.57	+ 2 56.4	2.077	3.065	1.8	20.1
3 12	10 59.27	+ 4 4.4	2.081	3.069	2.4	20.2
3 22	10 52.46	+ 5 10.5	2.113	3.072	6.1	20.4
4 1	10 46.89	+ 6 9.1	2.173	3.075	9.5	20.7
4 11	10 43.05	+ 6 56.4	2.257	3.078	12.5	20.9

2903 Zhuhai 3 5.2 47°.31 8°.2/13.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.18	−17 47.1	1.708	2.450	18.2	15.8
2 11	11 21.09	−18 6.1	1.628	2.455	15.5	15.6
2 21	11 14.76	−17 55.0	1.568	2.460	12.5	15.4
3 2	11 6.90	−17 12.0	1.529	2.465	9.7	15.2
3 12	10 58.58	−16 0.2	1.515	2.470	8.2	15.1
3 22	10 50.93	−14 26.4	1.527	2.475	9.1	15.2
4 1	10 44.96	−12 41.0	1.565	2.480	11.6	15.4
4 11	10 41.37	−10 55.0	1.625	2.486	14.6	15.6

419699 2010 UF_{55} 3 5.2 61°.08 8°.0/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.57	+24 38.4	1.544	2.401	14.5	20.7
2 11	11 27.15	+25 43.5	1.504	2.417	11.3	20.5
2 21	11 18.17	+26 39.9	1.487	2.433	8.7	20.4
3 2	11 7.68	+27 17.6	1.496	2.450	8.1	20.4
3 12	10 57.12	+27 29.7	1.531	2.466	9.9	20.5
3 22	10 47.81	+27 14.1	1.591	2.483	12.8	20.7
4 1	10 40.78	+26 32.9	1.672	2.500	15.7	21.0
4 11	10 36.56	+25 30.6	1.772	2.516	18.3	21.2

122283 2000 PH_{14} 3 5.2 151°.24 1°.4/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.63	− 0 34.2	2.433	3.234	11.7	20.7
2 11	11 22.85	− 0 18.7	2.354	3.244	8.9	20.5
2 21	11 15.45	+ 0 8.9	2.301	3.253	5.6	20.3
3 2	11 7.03	+ 0 45.7	2.277	3.262	2.3	20.1
3 12	10 58.36	+ 1 27.6	2.283	3.270	2.4	20.1
3 22	10 50.22	+ 2 10.0	2.320	3.278	5.7	20.4
4 1	10 43.31	+ 2 48.7	2.385	3.284	8.9	20.6
4 11	10 38.16	+ 3 19.9	2.474	3.291	11.7	20.8

184601 2005 QY_{160} 3 5.2 221°.34 2°.0/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.99	+ 9 51.3	2.152	2.990	11.7	22.2
2 11	11 23.45	+10 34.7	2.066	2.981	8.5	21.9
2 21	11 15.97	+11 25.0	2.006	2.971	5.0	21.7
3 2	11 7.19	+12 16.7	1.974	2.962	2.1	21.5
3 12	10 57.99	+13 3.7	1.973	2.951	4.1	21.6
3 22	10 49.31	+13 40.8	2.000	2.940	7.8	21.8
4 1	10 42.01	+14 4.3	2.054	2.928	11.3	22.0
4 11	10 36.72	+14 12.6	2.130	2.916	14.3	22.2

503545 2016 FQ_{34} 3 5.2 216°.36 0°.1/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.40	+ 4 15.0	2.345	3.167	11.4	22.4
2 11	11 22.13	+ 4 46.1	2.254	3.160	8.4	22.1
2 21	11 15.13	+ 5 27.3	2.189	3.152	5.0	21.9
3 2	11 6.97	+ 6 14.7	2.153	3.143	1.2	21.6
3 12	10 58.44	+ 7 3.3	2.147	3.134	2.7	21.7
3 22	10 50.35	+ 7 48.0	2.171	3.124	6.4	21.9
4 1	10 43.47	+ 8 24.6	2.223	3.113	9.9	22.1
4 11	10 38.39	+ 8 50.0	2.298	3.103	12.8	22.3

208456 2001 TY_{185} 3 5.2 204°.72 1°.6/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.56	− 1 56.4	2.782	3.579	10.5	21.3
2 11	11 19.81	− 1 35.8	2.688	3.574	8.0	21.1
2 21	11 13.67	− 1 3.3	2.620	3.570	5.2	20.9
3 2	11 6.60	− 0 21.2	2.581	3.564	2.3	20.7
3 12	10 59.24	+ 0 26.8	2.572	3.559	2.2	20.7
3 22	10 52.25	+ 1 16.6	2.593	3.552	5.1	20.8
4 1	10 46.23	+ 2 3.8	2.643	3.546	8.0	21.0
4 11	10 41.67	+ 2 44.6	2.718	3.539	10.6	21.2

89698 2001 YB_{78} 3 5.3 157°.57 5°.7/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.30	+25 1.8	2.665	3.511	9.5	19.9
2 11	11 21.16	+26 14.1	2.609	3.515	7.4	19.8
2 21	11 14.45	+27 21.5	2.580	3.518	6.0	19.7
3 2	11 6.78	+28 17.7	2.580	3.522	5.9	19.7
3 12	10 58.90	+28 57.8	2.608	3.525	7.3	19.7
3 22	10 51.56	+29 19.0	2.663	3.528	9.3	19.9
4 1	10 45.44	+29 20.6	2.742	3.531	11.3	20.0
4 11	10 41.02	+29 4.0	2.841	3.533	13.1	20.2

342694 2008 VQ_{69} 3 5.3 191°.40 0°.5/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.77	+ 2 1.5	2.236	3.056	12.0	21.6
2 11	11 20.97	+ 2 29.9	2.153	3.055	8.9	21.4
2 21	11 14.45	+ 3 10.1	2.095	3.055	5.4	21.2
3 2	11 6.80	+ 3 58.6	2.065	3.053	1.6	20.9
3 12	10 58.84	+ 4 50.2	2.065	3.052	2.5	21.0
3 22	10 51.37	+ 5 39.6	2.094	3.051	6.3	21.2
4 1	10 45.16	+ 6 22.0	2.150	3.049	9.8	21.4
4 11	10 40.76	+ 6 53.8	2.229	3.047	12.8	21.6

89361 2001 VR_{80} 3 5.3 236°.19 6°.8/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.30	−16 14.2	2.122	2.855	15.4	20.1
2 11	11 21.65	−16 26.9	2.022	2.845	13.0	19.9
2 21	11 15.02	−16 15.5	1.942	2.835	10.4	19.7
3 2	11 6.98	−15 38.6	1.886	2.824	7.9	19.5
3 12	10 58.42	−14 38.1	1.857	2.813	6.8	19.4
3 22	10 50.28	−13 19.4	1.855	2.801	7.9	19.4
4 1	10 43.48	−11 50.0	1.880	2.789	10.4	19.6
4 11	10 38.69	−10 18.6	1.929	2.777	13.3	19.7

139574 2001 QR_{90} 3 5.3 175°.65 5°.9/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.60	+25 42.2	2.777	3.622	9.2	20.5
2 11	11 20.67	+27 20.4	2.721	3.624	7.3	20.4
2 21	11 14.21	+28 53.9	2.693	3.625	6.1	20.3
3 2	11 6.74	+30 16.1	2.695	3.626	6.2	20.3
3 12	10 59.01	+31 21.0	2.725	3.627	7.6	20.4
3 22	10 51.73	+32 5.5	2.783	3.628	9.5	20.5
4 1	10 45.60	+32 28.6	2.863	3.628	11.5	20.7
4 11	10 41.11	+32 31.6	2.964	3.627	13.2	20.8

19756 2000 EW_{50} 3 5.3 187°.16 1°.0/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.32	+ 5 35.1	2.158	2.988	12.0	18.6
2 11	11 22.16	+ 6 29.8	2.077	2.988	8.7	18.4
2 21	11 15.19	+ 7 35.1	2.023	2.987	5.0	18.1
3 2	11 7.01	+ 8 45.9	1.996	2.986	1.3	17.9
3 12	10 58.48	+ 9 55.4	2.000	2.984	3.3	18.0
3 22	10 50.48	+10 57.3	2.034	2.981	7.2	18.2
4 1	10 43.82	+11 46.9	2.094	2.978	10.7	18.4
4 11	10 39.09	+12 21.4	2.177	2.974	13.7	18.6

504381 2007 VA_{145} 3 5.3 80°.59 4°.2/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.03	−10 30.7	2.294	3.060	13.4	21.3
2 11	11 19.62	−10 20.1	2.219	3.074	10.8	21.1
2 21	11 13.61	− 9 50.0	2.165	3.088	7.9	21.0
3 2	11 6.60	− 9 1.9	2.139	3.101	5.3	20.8
3 12	10 59.35	− 7 59.6	2.140	3.115	4.3	20.8
3 22	10 52.64	− 6 48.9	2.170	3.128	6.0	20.9
4 1	10 47.15	− 5 36.1	2.228	3.142	8.8	21.1
4 11	10 43.39	− 4 27.4	2.311	3.155	11.5	21.3

341732 2007 VL_{240} 3 5.3 40°.61 1°.0/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.12	− 0 46.3	1.771	2.598	14.3	20.4
2 11	11 19.22	+ 0 5.1	1.715	2.619	10.7	20.2
2 21	11 13.46	+ 1 13.7	1.682	2.641	6.5	20.0
3 2	11 6.56	+ 2 33.8	1.676	2.664	2.2	19.8
3 12	10 59.48	+ 3 57.6	1.698	2.687	2.7	19.9
3 22	10 53.15	+ 5 17.1	1.749	2.710	6.9	20.2
4 1	10 48.35	+ 6 25.8	1.825	2.734	10.7	20.5
4 11	10 45.57	+ 7 19.2	1.924	2.758	13.9	20.7

459042 2011 YY_{78} 3 5.3 249°.23 7°.5/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.61	−13 23.8	1.804	2.558	17.0	21.0
2 11	11 25.17	−14 15.3	1.708	2.549	14.2	20.8
2 21	11 17.28	−14 44.4	1.634	2.539	11.2	20.6
3 2	11 7.60	−14 48.2	1.584	2.528	8.6	20.4
3 12	10 57.19	−14 27.3	1.559	2.518	7.6	20.3
3 22	10 47.27	−13 45.7	1.561	2.507	9.1	20.4
4 1	10 38.97	−12 50.6	1.589	2.496	12.1	20.5
4 11	10 33.16	−11 51.0	1.639	2.485	15.3	20.7

127345 2002 JQ_{119} 3 5.3 339°.34 7°.7/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.56	+19 52.4	1.430	2.307	14.2	18.6
2 11	11 19.61	+21 49.2	1.366	2.295	10.8	18.4
2 21	11 14.09	+23 48.1	1.326	2.283	8.2	18.2
3 2	11 6.79	+25 35.7	1.311	2.272	8.0	18.1
3 12	10 58.94	+26 59.6	1.321	2.262	10.6	18.2
3 22	10 51.87	+27 51.8	1.354	2.253	14.1	18.4
4 1	10 46.74	+28 9.8	1.408	2.245	17.6	18.6
4 11	10 44.33	+27 55.6	1.477	2.238	20.7	18.8

402872 2007 RA_{206} 3 5.3 197°.09 0°.2/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.99	+ 1 58.6	2.118	2.935	12.7	23.2
2 11	11 23.46	+ 2 45.8	2.030	2.932	9.4	23.0
2 21	11 16.00	+ 3 47.0	1.968	2.928	5.6	22.8
3 2	11 7.23	+ 4 57.5	1.934	2.923	1.5	22.5
3 12	10 58.04	+ 6 10.9	1.930	2.917	2.8	22.5
3 22	10 49.37	+ 7 20.5	1.956	2.910	6.9	22.8
4 1	10 42.07	+ 8 20.4	2.010	2.902	10.7	23.0
4 11	10 36.78	+ 9 6.7	2.087	2.893	13.9	23.2

270511 2002 FA_{29} 3 5.3 10°.89 3°.6/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.77	+ 9 28.7	1.380	2.250	15.1	19.4
2 11	11 18.84	+11 2.3	1.321	2.252	10.9	19.1
2 21	11 13.52	+12 48.2	1.285	2.256	6.4	18.9
3 2	11 6.62	+14 35.6	1.275	2.261	3.6	18.7
3 12	10 59.34	+16 12.2	1.291	2.266	6.4	18.9
3 22	10 52.91	+17 28.4	1.333	2.273	10.9	19.2
4 1	10 48.35	+18 18.4	1.396	2.281	15.0	19.4
4 11	10 46.33	+18 41.2	1.479	2.289	18.4	19.7

80303 1999 XG_{65} 3 5.3 77°.43 1°.3/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.24	+ 0 6.7	1.288	2.126	18.0	19.7
2 11	11 25.08	+ 0 33.9	1.231	2.141	13.5	19.5
2 21	11 17.17	+ 1 22.0	1.195	2.156	8.3	19.2
3 2	11 7.52	+ 2 25.2	1.183	2.171	2.8	18.9
3 12	10 57.55	+ 3 34.3	1.198	2.187	3.6	19.0
3 22	10 48.67	+ 4 39.9	1.239	2.202	8.9	19.4
4 1	10 42.06	+ 5 33.6	1.303	2.217	13.7	19.7
4 11	10 38.38	+ 6 10.5	1.388	2.232	17.7	20.0

79776 1998 UO_{19} 3 5.3 59°.63 8°.3/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.11	−18 38.3	1.554	2.298	19.7	19.0
2 11	11 21.76	−18 42.5	1.493	2.321	16.6	18.8
2 21	11 15.10	−18 12.4	1.451	2.344	13.2	18.6
3 2	11 6.99	−17 7.8	1.430	2.368	10.0	18.5
3 12	10 58.62	−15 33.9	1.434	2.391	8.3	18.5
3 22	10 51.16	−13 40.1	1.464	2.415	9.1	18.6
4 1	10 45.59	−11 38.6	1.520	2.439	11.7	18.8
4 11	10 42.51	− 9 41.4	1.598	2.462	14.7	19.0

218631 2005 RG_{24} 3 5.3 117°.86 3°.0/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.93	+14 11.9	2.215	3.052	11.5	20.3
2 11	11 26.00	+14 45.0	2.158	3.072	8.3	20.1
2 21	11 17.28	+15 19.5	2.128	3.091	5.0	19.9
3 2	11 7.50	+15 49.9	2.127	3.109	3.0	19.8
3 12	10 57.61	+16 11.2	2.157	3.127	4.7	20.0
3 22	10 48.51	+16 20.4	2.216	3.145	7.8	20.2
4 1	10 40.97	+16 15.9	2.301	3.161	10.8	20.4
4 11	10 35.47	+15 58.1	2.409	3.177	13.4	20.6

453376 2009 BZ_{95} 3 5.3 49°.14 2°.8/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.48	− 1 20.2	1.224	2.060	18.9	20.6
2 11	11 25.29	− 1 26.7	1.172	2.079	14.4	20.3
2 21	11 17.30	− 1 11.6	1.141	2.098	9.2	20.1
3 2	11 7.55	− 0 38.5	1.133	2.118	4.1	19.9
3 12	10 57.55	+ 0 5.2	1.150	2.138	4.0	19.9
3 22	10 48.74	+ 0 51.2	1.193	2.159	8.8	20.3
4 1	10 42.30	+ 1 31.3	1.259	2.180	13.5	20.6
4 11	10 38.87	+ 1 59.9	1.345	2.201	17.4	20.9

499785 2011 CC_{53} 3 5.3 216°.34 1°.0/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.26	+ 2 6.8	1.872	2.696	13.8	21.6
2 11	11 23.82	+ 2 8.4	1.792	2.696	10.4	21.4
2 21	11 16.27	+ 2 22.4	1.736	2.695	6.4	21.1
3 2	11 7.31	+ 2 45.6	1.707	2.695	2.1	20.9
3 12	10 57.95	+ 3 13.3	1.707	2.694	2.9	20.9
3 22	10 49.23	+ 3 40.5	1.734	2.694	7.1	21.2
4 1	10 42.09	+ 4 2.3	1.789	2.694	11.1	21.4
4 11	10 37.17	+ 4 15.2	1.865	2.693	14.5	21.6

173018 2006 PS_{27} 3 5.3 125°.55 8°.7/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.48	+38 13.6	2.739	3.554	10.2	20.2
2 11	11 23.61	+39 50.2	2.713	3.568	9.1	20.1
2 21	11 15.95	+41 12.7	2.713	3.582	8.7	20.1
3 2	11 7.20	+42 14.4	2.739	3.595	9.1	20.2
3 12	10 58.26	+42 51.1	2.790	3.607	10.2	20.3
3 22	10 50.02	+43 1.7	2.864	3.620	11.6	20.4
4 1	10 43.26	+42 47.8	2.958	3.631	12.9	20.5
4 11	10 38.48	+42 12.7	3.068	3.643	14.1	20.6

450193 2001 XD_{229} 3 5.3 69°.99 2°.6/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.76	+ 9 10.2	1.320	2.176	16.5	21.4
2 11	11 26.04	+10 0.2	1.274	2.197	11.9	21.2
2 21	11 17.64	+10 59.7	1.250	2.218	6.9	20.9
3 2	11 7.64	+11 59.6	1.251	2.239	2.7	20.7
3 12	10 57.47	+12 50.7	1.280	2.260	5.4	20.9
3 22	10 48.54	+13 25.9	1.333	2.281	10.1	21.3
4 1	10 41.90	+13 41.8	1.411	2.302	14.4	21.6
4 11	10 38.16	+13 37.9	1.507	2.323	17.9	21.9

449126 2013 AA_{14} 3 5.3 93°.32 2°.1/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.58	+ 7 21.4	1.424	2.274	15.9	21.6
2 11	11 25.11	+ 8 23.0	1.370	2.291	11.5	21.4
2 21	11 17.10	+ 9 36.6	1.340	2.308	6.6	21.2
3 2	11 7.52	+10 53.4	1.335	2.324	2.3	20.9
3 12	10 57.68	+12 3.5	1.358	2.340	4.9	21.1
3 22	10 48.89	+12 58.9	1.408	2.356	9.7	21.4
4 1	10 42.22	+13 34.6	1.481	2.371	13.9	21.7
4 11	10 38.29	+13 49.4	1.575	2.386	17.4	22.0

172515 2003 SC_{247} 3 5.3 132°.24 0°.4/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.31	+ 4 25.5	1.880	2.709	13.6	20.9
2 11	11 24.46	+ 5 2.5	1.813	2.722	9.9	20.7
2 21	11 16.56	+ 5 51.2	1.771	2.734	5.8	20.5
3 2	11 7.38	+ 6 46.2	1.756	2.746	1.4	20.2
3 12	10 57.93	+ 7 40.8	1.772	2.758	3.2	20.4
3 22	10 49.23	+ 8 29.0	1.815	2.768	7.4	20.6
4 1	10 42.17	+ 9 6.0	1.886	2.778	11.3	20.9
4 11	10 37.33	+ 9 29.1	1.978	2.788	14.4	21.1

477524 2010 EH_{43} 3 5.3 309°.91 49°.2/15.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	16 46.73	+70 30.8	0.668	1.261	50.7	20.3
2 11	16 26.64	+74 27.6	0.617	1.255	50.6	20.1
2 21	15 13.29	+78 56.4	0.565	1.249	50.3	19.9
3 2	12 5.33	+79 52.0	0.517	1.243	49.7	19.7
3 12	9 46.14	+72 11.9	0.480	1.238	49.2	19.5
3 22	9 1.06	+59 37.4	0.463	1.233	49.4	19.4
4 1	8 48.22	+45 21.8	0.471	1.230	50.6	19.5
4 11	8 47.45	+31 35.7	0.504	1.226	52.4	19.7

425388 2010 CA_{62} 3 5.3 277°.63 0°.7/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.39	+ 7 39.9	2.191	3.021	11.9	20.8
2 11	11 24.54	+ 7 44.4	2.092	3.001	8.8	20.6
2 21	11 16.69	+ 7 55.3	2.017	2.981	5.1	20.3
3 2	11 7.45	+ 8 9.2	1.972	2.961	1.3	20.0
3 12	10 57.69	+ 8 21.8	1.956	2.941	3.1	20.1
3 22	10 48.36	+ 8 29.3	1.970	2.921	7.1	20.3
4 1	10 40.38	+ 8 28.6	2.011	2.900	10.8	20.5
4 11	10 34.40	+ 8 17.7	2.075	2.879	14.0	20.7

368747 2005 UC_{421} 3 5.3 101°.78 2°.4/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.43	+10 42.0	1.934	2.778	12.6	21.8
2 11	11 23.73	+11 26.7	1.876	2.793	9.1	21.6
2 21	11 16.09	+12 17.0	1.842	2.808	5.3	21.4
3 2	11 7.25	+13 6.5	1.837	2.823	2.4	21.2
3 12	10 58.22	+13 48.9	1.861	2.838	4.5	21.4
3 22	10 49.98	+14 19.4	1.913	2.852	8.2	21.7
4 1	10 43.33	+14 35.0	1.990	2.866	11.6	21.9
4 11	10 38.84	+14 35.0	2.090	2.880	14.4	22.1

385004 2012 TX_{231} 3 5.3 141°.31 1°.6/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.06	+ 8 4.2	2.383	3.221	10.7	20.5
2 11	11 19.62	+ 9 6.4	2.310	3.226	7.7	20.3
2 21	11 13.63	+10 16.3	2.264	3.230	4.4	20.1
3 2	11 6.65	+11 28.6	2.247	3.234	1.7	19.9
3 12	10 59.41	+12 37.0	2.260	3.239	3.6	20.1
3 22	10 52.67	+13 36.2	2.302	3.242	6.9	20.3
4 1	10 47.09	+14 22.3	2.371	3.246	10.0	20.5
4 11	10 43.19	+14 53.2	2.463	3.250	12.6	20.7

360044 2013 AU_{58} 3 5.3 75°.73 0°.8/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.62	+ 1 1.5	1.332	2.170	17.5	21.9
2 11	11 25.20	+ 1 37.3	1.280	2.191	13.0	21.7
2 21	11 17.17	+ 2 32.2	1.250	2.213	7.8	21.5
3 2	11 7.54	+ 3 39.7	1.245	2.234	2.3	21.2
3 12	10 57.69	+ 4 50.5	1.267	2.255	3.5	21.3
3 22	10 48.98	+ 5 55.2	1.315	2.277	8.7	21.7
4 1	10 42.48	+ 6 46.7	1.388	2.297	13.3	22.0
4 11	10 38.80	+ 7 20.9	1.481	2.318	17.1	22.3

5914 Kathywhaler 3 5.3 203°.79 3°.6/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.00	+18 19.0	2.997	3.843	8.5	16.8
2 11	11 19.35	+19 11.5	2.926	3.841	6.3	16.6
2 21	11 13.38	+20 3.7	2.881	3.838	4.3	16.5
3 2	11 6.58	+20 50.8	2.867	3.835	3.6	16.4
3 12	10 59.57	+21 28.6	2.882	3.833	5.0	16.5
3 22	10 52.96	+21 54.0	2.925	3.829	7.2	16.7
4 1	10 47.32	+22 5.3	2.995	3.826	9.4	16.8
4 11	10 43.10	+22 2.5	3.087	3.823	11.4	17.0

291712 2006 JZ_{17} 3 5.3 210°.45 2°.9/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.36	+12 2.9	2.120	2.960	11.8	22.2
2 11	11 24.52	+13 1.0	2.037	2.953	8.6	22.0
2 21	11 16.66	+14 5.0	1.980	2.945	5.2	21.8
3 2	11 7.44	+15 8.3	1.952	2.936	3.0	21.6
3 12	10 57.79	+16 3.9	1.954	2.926	5.0	21.7
3 22	10 48.68	+16 46.4	1.985	2.915	8.5	21.9
4 1	10 41.02	+17 12.1	2.042	2.903	11.9	22.1
4 11	10 35.45	+17 20.2	2.120	2.891	14.9	22.3

420595 2012 HM_{39} 3 5.3 285°.58 1°.8/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.54	+ 9 57.8	1.761	2.604	13.7	20.6
2 11	11 25.80	+10 11.0	1.670	2.587	10.1	20.3
2 21	11 17.62	+10 30.5	1.603	2.570	5.9	20.0
3 2	11 7.72	+10 51.4	1.564	2.552	2.1	19.7
3 12	10 57.20	+11 7.5	1.553	2.535	4.3	19.9
3 22	10 47.27	+11 14.2	1.570	2.518	8.8	20.1
4 1	10 39.06	+11 8.1	1.612	2.501	13.0	20.3
4 11	10 33.35	+10 47.9	1.675	2.484	16.7	20.5

275047 2009 UZ_{83} 3 5.3 12°.55 3°.3/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.02	+11 39.5	1.518	2.380	14.4	20.0
2 11	11 21.79	+12 30.6	1.456	2.383	10.4	19.8
2 21	11 15.20	+13 28.6	1.418	2.386	6.2	19.5
3 2	11 7.08	+14 25.6	1.405	2.390	3.3	19.4
3 12	10 58.61	+15 12.8	1.419	2.395	5.8	19.5
3 22	10 50.99	+15 44.0	1.458	2.400	10.0	19.8
4 1	10 45.24	+15 55.8	1.521	2.406	13.9	20.0
4 11	10 42.00	+15 47.5	1.603	2.412	17.3	20.2

306496 1999 UJ_{12} 3 5.3 167°.71 1°.8/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.31	+ 8 55.6	2.071	2.906	12.2	21.3
2 11	11 24.39	+ 9 42.8	1.998	2.911	8.9	21.1
2 21	11 16.52	+10 37.4	1.950	2.916	5.1	20.9
3 2	11 7.39	+11 33.8	1.932	2.919	2.0	20.7
3 12	10 57.95	+12 25.3	1.943	2.922	4.0	20.8
3 22	10 49.16	+13 6.6	1.983	2.925	7.8	21.1
4 1	10 41.87	+13 34.1	2.050	2.926	11.3	21.3
4 11	10 36.66	+13 46.2	2.140	2.927	14.2	21.5

39548 1992 DA_{8} 3 5.3 232°.05 1°.4/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.64	+ 7 13.7	2.125	2.963	11.8	19.3
2 11	11 21.02	+ 8 5.2	2.043	2.958	8.6	19.1
2 21	11 14.57	+ 9 6.3	1.986	2.952	5.0	18.9
3 2	11 6.92	+10 11.4	1.957	2.946	1.6	18.6
3 12	10 58.89	+11 14.1	1.958	2.940	3.7	18.7
3 22	10 51.37	+12 8.3	1.988	2.934	7.4	19.0
4 1	10 45.17	+12 49.6	2.044	2.927	11.0	19.2
4 11	10 40.88	+13 15.5	2.122	2.921	14.0	19.4

269396 2009 QQ_{60} 3 5.3 87°.01 2°.2/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 38.28	+12 41.8	2.017	2.846	12.8	20.5
2 11	11 29.91	+12 43.7	1.965	2.874	9.2	20.4
2 21	11 19.56	+12 47.3	1.938	2.901	5.4	20.2
3 2	11 8.10	+12 48.1	1.941	2.928	2.3	20.0
3 12	10 56.64	+12 42.0	1.976	2.954	4.1	20.2
3 22	10 46.21	+12 26.9	2.040	2.980	7.7	20.5
4 1	10 37.63	+12 1.9	2.132	3.005	11.0	20.7
4 11	10 31.41	+11 27.3	2.247	3.030	13.8	21.0

100081 1992 SU_{8} 3 5.3 300°.91 0°.9/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.37	+ 6 42.7	2.024	2.863	12.4	20.2
2 11	11 21.61	+ 7 12.2	1.944	2.858	9.0	19.9
2 21	11 14.94	+ 7 50.9	1.888	2.853	5.2	19.7
3 2	11 7.01	+ 8 34.0	1.859	2.849	1.4	19.4
3 12	10 58.72	+ 9 15.8	1.860	2.845	3.3	19.5
3 22	10 50.98	+ 9 51.0	1.889	2.840	7.3	19.8
4 1	10 44.64	+10 15.5	1.944	2.836	11.0	20.0
4 11	10 40.31	+10 26.8	2.021	2.832	14.1	20.2

413051 2001 QT_{280} 3 5.3 94°.54 4°.0/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.76	+13 28.5	1.943	2.792	12.3	21.2
2 11	11 23.19	+15 3.2	1.899	2.819	8.9	21.0
2 21	11 15.74	+16 41.2	1.882	2.846	5.5	20.9
3 2	11 7.18	+18 13.5	1.894	2.872	4.0	20.8
3 12	10 58.49	+19 32.1	1.935	2.897	6.0	21.0
3 22	10 50.62	+20 31.4	2.005	2.922	9.2	21.3
4 1	10 44.36	+21 9.0	2.099	2.947	12.2	21.5
4 11	10 40.22	+21 25.4	2.214	2.970	14.7	21.7

457425 2008 UA_{28} 3 5.3 146°.83 3°.3/ 2.5 18

2 1	11 32.43	+11 54.4	1.679	2.526	14.0	21.8
2 11	11 26.28	+12 50.6	1.616	2.535	10.2	21.6
2 21	11 17.75	+13 52.9	1.578	2.543	6.1	21.4
3 2	11 7.71	+14 53.1	1.567	2.551	3.3	21.2
3 12	10 57.36	+15 43.2	1.584	2.558	5.6	21.4
3 22	10 47.89	+16 17.2	1.629	2.564	9.7	21.6
4 1	10 40.33	+16 32.1	1.699	2.570	13.4	21.9
4 11	10 35.33	+16 27.9	1.789	2.575	16.6	22.1

216622 2002 WQ_{7} 3 5.3 180°.61 2°.8/ 2.8 18

2 1	11 32.10	+10 25.3	1.777	2.620	13.6	21.2
2 11	11 26.03	+11 25.9	1.705	2.622	9.9	21.0
2 21	11 17.64	+12 34.5	1.657	2.623	5.8	20.8
3 2	11 7.71	+13 43.6	1.637	2.623	2.8	20.6
3 12	10 57.36	+14 44.8	1.647	2.623	5.2	20.7
3 22	10 47.76	+15 31.4	1.685	2.621	9.3	20.9
4 1	10 39.93	+15 59.6	1.747	2.619	13.1	21.2
4 11	10 34.56	+16 8.4	1.831	2.616	16.4	21.4

290314 2005 SP_{195} 3 5.3 257°.35 1°.4/ 6.7 18

2 1	11 27.03	+ 0 29.2	2.478	3.285	11.4	20.4
2 11	11 21.81	+ 0 26.3	2.385	3.278	8.6	20.2
2 21	11 14.97	+ 0 33.8	2.317	3.270	5.5	19.9
3 2	11 7.03	+ 0 49.6	2.277	3.262	2.2	19.7
3 12	10 58.73	+ 1 10.6	2.267	3.254	2.4	19.7
3 22	10 50.85	+ 1 33.1	2.287	3.246	5.7	19.9
4 1	10 44.10	+ 1 53.3	2.335	3.238	8.9	20.1
4 11	10 39.04	+ 2 7.9	2.407	3.230	11.8	20.3

33797 1999 TO_{88} 3 5.3 245°.44 0°.9/ 4.1 18

2 1	11 24.45	+ 7 7.5	2.672	3.502	9.9	19.2
2 11	11 19.85	+ 7 44.4	2.580	3.491	7.2	19.0
2 21	11 13.78	+ 8 28.5	2.515	3.480	4.2	18.8
3 2	11 6.73	+ 9 16.0	2.479	3.468	1.2	18.5
3 12	10 59.36	+10 2.3	2.474	3.457	2.9	18.7
3 22	10 52.37	+10 43.1	2.498	3.445	6.1	18.8
4 1	10 46.39	+11 14.8	2.550	3.433	9.1	19.0
4 11	10 41.93	+11 35.2	2.625	3.420	11.7	19.2

428903 2008 VZ 3 5.3 90°.80 4°.5/29.5 18

2 1	11 27.31	+17 6.9	2.062	2.915	11.5	21.1
2 11	11 22.19	+18 12.8	2.006	2.925	8.5	20.9
2 21	11 15.20	+19 19.1	1.976	2.936	5.6	20.8
3 2	11 7.08	+20 18.5	1.973	2.946	4.5	20.7
3 12	10 58.74	+21 4.5	2.000	2.956	6.4	20.8
3 22	10 51.11	+21 32.8	2.054	2.967	9.3	21.0
4 1	10 44.98	+21 41.9	2.132	2.977	12.2	21.2
4 11	10 40.88	+21 32.3	2.231	2.987	14.6	21.4

113372 2002 SK_{6} 3 5.3 232°.46 0°.1/ 5.2 16

2 1	11 28.39	+ 3 36.0	1.954	2.781	13.2	21.4
2 11	11 23.24	+ 4 11.7	1.863	2.771	9.8	21.2
2 21	11 16.01	+ 5 0.5	1.797	2.760	5.8	20.9
3 2	11 7.33	+ 5 57.9	1.759	2.749	1.4	20.6
3 12	10 58.15	+ 6 57.5	1.750	2.737	3.1	20.7
3 22	10 49.47	+ 7 52.6	1.770	2.724	7.5	21.0
4 1	10 42.25	+ 8 37.8	1.816	2.711	11.5	21.2
4 11	10 37.19	+ 9 9.1	1.884	2.698	14.9	21.4

32979 1996 VH_{7} 3 5.3 139°.59 4°.7/ 9.9 18

2 1	11 28.08	− 9 27.9	2.077	2.847	14.5	18.9
2 11	11 22.82	− 9 38.5	1.996	2.854	11.7	18.7
2 21	11 15.65	− 9 29.4	1.937	2.861	8.6	18.5
3 2	11 7.21	− 9 1.2	1.904	2.867	5.7	18.3
3 12	10 58.42	− 8 17.1	1.899	2.873	4.8	18.3
3 22	10 50.21	− 7 22.6	1.922	2.879	6.8	18.4
4 1	10 43.41	− 6 24.0	1.973	2.884	9.9	18.6
4 11	10 38.63	− 5 28.0	2.047	2.889	12.8	18.8

89278 2001 VD_{16} 3 5.3 201°.92 1°.0/ 4.2 18

2 1	11 25.77	+ 4 54.4	2.012	2.846	12.6	19.7
2 11	11 21.20	+ 5 58.5	1.931	2.844	9.2	19.5
2 21	11 14.73	+ 7 15.4	1.876	2.841	5.3	19.3
3 2	11 7.00	+ 8 39.0	1.849	2.838	1.4	19.0
3 12	10 58.88	+10 1.7	1.852	2.835	3.5	19.1
3 22	10 51.30	+11 16.3	1.883	2.832	7.6	19.4
4 1	10 45.10	+12 17.0	1.941	2.828	11.3	19.6
4 11	10 40.91	+13 0.5	2.021	2.823	14.4	19.8

315323 2007 TD_{353} 3 5.3 183°.67 2°.5/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 31.67	+10 35.5	1.835	2.677	13.3	21.5
2 11	11 25.65	+11 18.0	1.761	2.678	9.7	21.3
2 21	11 17.40	+12 7.2	1.712	2.678	5.7	21.1
3 2	11 7.67	+12 56.7	1.691	2.677	2.5	20.9
3 12	10 57.55	+13 39.3	1.699	2.676	4.8	21.0
3 22	10 48.15	+14 9.5	1.734	2.675	8.8	21.2
4 1	10 40.47	+14 24.0	1.796	2.672	12.6	21.5
4 11	10 35.16	+14 21.8	1.879	2.670	15.8	21.7

272744 2005 YB_{117} 3 5.3 76°.38 1°.9/ 3.5 18

2 1	11 27.23	+ 8 34.2	1.835	2.681	13.1	21.5
2 11	11 22.30	+ 9 20.6	1.771	2.689	9.5	21.3
2 21	11 15.36	+10 15.4	1.730	2.697	5.5	21.1
3 2	11 7.14	+11 12.4	1.718	2.706	2.0	20.9
3 12	10 58.65	+12 4.4	1.733	2.714	4.2	21.0
3 22	10 50.88	+12 45.5	1.777	2.722	8.2	21.3
4 1	10 44.70	+13 12.0	1.845	2.731	11.8	21.5
4 11	10 40.70	+13 22.1	1.936	2.739	14.9	21.8

201326 2002 TR_{136} 3 5.3 126°.05 3°.8/ 9.5 17

2 1	11 26.27	− 8 8.7	2.384	3.156	12.8	20.2
2 11	11 21.26	− 8 13.5	2.302	3.164	10.2	20.1
2 21	11 14.64	− 8 1.7	2.244	3.172	7.3	19.9
3 2	11 6.96	− 7 34.4	2.212	3.179	4.7	19.7
3 12	10 59.00	− 6 54.5	2.209	3.186	3.9	19.7
3 22	10 51.53	− 6 6.7	2.236	3.193	5.9	19.8
4 1	10 45.26	− 5 16.4	2.290	3.200	8.7	20.0
4 11	10 40.72	− 4 28.7	2.369	3.207	11.4	20.2

401010 2011 RX_{10} 3 5.3 179°.31 0°.5/ 5.7 18

2 1	11 31.02	+ 2 0.5	1.959	2.777	13.5	22.9
2 11	11 25.06	+ 2 32.7	1.878	2.779	10.1	22.6
2 21	11 17.02	+ 3 18.6	1.821	2.781	6.1	22.4
3 2	11 7.58	+ 4 13.8	1.792	2.781	1.7	22.1
3 12	10 57.74	+ 5 12.3	1.794	2.781	2.9	22.2
3 22	10 48.53	+ 6 7.6	1.824	2.780	7.2	22.5
4 1	10 40.87	+ 6 54.0	1.882	2.778	11.1	22.7
4 11	10 35.40	+ 7 27.8	1.962	2.775	14.4	22.9

49722 1999 VS_{63} 3 5.3 287°.74 4°.6/ 1.7 18

2 1	11 30.31	+15 3.9	1.554	2.413	14.3	18.9
2 11	11 25.13	+15 56.5	1.478	2.402	10.6	18.6
2 21	11 17.32	+16 53.2	1.426	2.391	6.7	18.4
3 2	11 7.70	+17 45.3	1.400	2.380	4.6	18.2
3 12	10 57.51	+18 23.9	1.401	2.370	7.0	18.3
3 22	10 48.09	+18 42.8	1.428	2.359	11.1	18.5
4 1	10 40.65	+18 39.4	1.478	2.348	15.1	18.7
4 11	10 35.95	+18 14.2	1.547	2.338	18.6	18.9

204230 2004 CV_{128} 3 5.3 65°.06 1°.5/ 3.8 18

2 1	11 25.46	+ 7 50.2	2.068	2.910	12.0	20.4
2 11	11 20.82	+ 8 34.9	2.002	2.919	8.7	20.2
2 21	11 14.42	+ 9 27.7	1.962	2.928	5.0	20.0
3 2	11 6.91	+10 23.0	1.949	2.938	1.6	19.8
3 12	10 59.17	+11 14.7	1.965	2.947	3.6	20.0
3 22	10 52.05	+11 57.5	2.010	2.957	7.3	20.2
4 1	10 46.31	+12 27.6	2.081	2.966	10.7	20.4
4 11	10 42.48	+12 43.2	2.174	2.976	13.6	20.6

399594 2003 UH_{162} 3 5.3 121°.58 1°.0/ 6.3 18

2 1	11 29.85	+ 0 11.4	1.899	2.714	14.0	21.7
2 11	11 24.11	+ 0 43.6	1.833	2.731	10.5	21.5
2 21	11 16.38	+ 1 30.7	1.791	2.748	6.4	21.3
3 2	11 7.41	+ 2 28.5	1.776	2.764	2.2	21.0
3 12	10 58.20	+ 3 30.5	1.791	2.779	2.8	21.1
3 22	10 49.73	+ 4 30.2	1.835	2.793	6.9	21.4
4 1	10 42.87	+ 5 21.6	1.906	2.807	10.7	21.6
4 11	10 38.18	+ 6 0.8	1.999	2.821	13.9	21.9

394843 2008 SZ_{241} 3 5.3 119°.58 1°.7/ 3.9 18

2 1	11 30.40	+ 6 24.4	1.567	2.411	15.1	21.2
2 11	11 24.88	+ 7 26.4	1.507	2.424	10.9	21.0
2 21	11 16.98	+ 8 41.0	1.471	2.438	6.3	20.8
3 2	11 7.58	+10 0.2	1.461	2.450	1.9	20.5
3 12	10 57.87	+11 14.8	1.480	2.462	4.4	20.7
3 22	10 49.08	+12 16.5	1.526	2.474	9.0	21.0
4 1	10 42.22	+13 0.4	1.597	2.485	13.2	21.3
4 11	10 37.92	+13 24.2	1.688	2.496	16.6	21.5

57392 2001 RW_{77} 3 5.3 351°.22 6°.6/11.9 18

2 1	11 23.29	−14 25.7	1.652	2.420	17.7	18.5
2 11	11 19.82	−14 19.1	1.567	2.418	14.8	18.3
2 21	11 14.12	−13 42.0	1.502	2.416	11.4	18.1
3 2	11 6.89	−12 34.4	1.460	2.415	8.1	17.9
3 12	10 59.17	−11 0.8	1.443	2.414	6.6	17.8
3 22	10 52.06	− 9 9.9	1.453	2.413	8.2	17.9
4 1	10 46.60	− 7 12.9	1.488	2.412	11.5	18.1
4 11	10 43.49	− 5 21.0	1.547	2.412	15.0	18.3

48586 1994 PE_{39} 3 5.3 254.°76 0.°0/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.41	+ 2 27.2	1.765	2.597	14.1	19.7
2 11	11 21.99	+ 3 17.2	1.677	2.587	10.5	19.5
2 21	11 15.37	+ 4 23.9	1.613	2.576	6.3	19.2
3 2	11 7.21	+ 5 41.9	1.576	2.565	1.6	18.8
3 12	10 58.52	+ 7 3.3	1.567	2.554	3.3	18.9
3 22	10 50.37	+ 8 19.7	1.587	2.543	8.0	19.2
4 1	10 43.77	+ 9 23.9	1.632	2.531	12.3	19.4
4 11	10 39.46	+10 11.3	1.698	2.520	16.0	19.6

397923 2008 WM_{14} 3 5.3 198.°89 2.°3/ 7.3 18

2 1	11 30.04	− 3 2.0	1.811	2.616	15.0	22.6
2 11	11 24.58	− 2 39.7	1.723	2.613	11.5	22.4
2 21	11 16.86	− 1 58.2	1.659	2.609	7.5	22.1
3 2	11 7.58	− 1 0.4	1.622	2.605	3.4	21.9
3 12	10 57.78	+ 0 7.7	1.613	2.600	3.2	21.8
3 22	10 48.58	+ 1 18.8	1.633	2.594	7.3	22.1
4 1	10 40.99	+ 2 25.1	1.679	2.587	11.5	22.3
4 11	10 35.75	+ 3 20.5	1.748	2.579	15.1	22.5

154401 2003 AP_{52} 3 5.3 83.°87 1.°7/ 4.1 18

2 1	11 33.41	+ 7 48.7	1.349	2.199	16.6	19.6
2 11	11 27.30	+ 8 22.2	1.297	2.216	12.1	19.3
2 21	11 18.46	+ 9 6.4	1.267	2.234	7.0	19.1
3 2	11 7.95	+ 9 53.7	1.262	2.251	2.1	18.8
3 12	10 57.21	+10 35.6	1.285	2.269	4.7	19.0
3 22	10 47.66	+11 5.4	1.334	2.286	9.7	19.4
4 1	10 40.43	+11 18.9	1.406	2.302	14.1	19.7
4 11	10 36.13	+11 15.2	1.498	2.319	17.8	19.9

110434 2001 TK_{27} 3 5.3 261.°33 1.°1/ 6.3 18

2 1	11 27.76	+ 0 59.2	1.792	2.617	14.3	19.9
2 11	11 22.87	+ 1 14.7	1.711	2.614	10.8	19.6
2 21	11 15.83	+ 1 45.0	1.653	2.612	6.7	19.4
3 2	11 7.32	+ 2 26.8	1.621	2.609	2.3	19.1
3 12	10 58.36	+ 3 14.2	1.618	2.606	2.9	19.1
3 22	10 50.03	+ 4 0.8	1.642	2.603	7.3	19.4
4 1	10 43.28	+ 4 40.8	1.692	2.600	11.4	19.6
4 11	10 38.80	+ 5 9.7	1.765	2.597	15.0	19.8

9028 Konrádbeneš 3 5.3 64.°93 2.°4/ 3.3 18

2 1	11 28.80	+ 8 26.9	1.435	2.290	15.5	17.3
2 11	11 23.81	+ 9 27.3	1.384	2.307	11.2	17.1
2 21	11 16.37	+10 38.2	1.356	2.324	6.4	16.9
3 2	11 7.42	+11 50.7	1.354	2.342	2.5	16.7
3 12	10 58.25	+12 55.2	1.379	2.359	5.1	16.9
3 22	10 50.11	+13 44.4	1.430	2.377	9.7	17.2
4 1	10 44.00	+14 14.0	1.505	2.394	13.8	17.5
4 11	10 40.53	+14 22.9	1.600	2.412	17.2	17.7

406383 2007 RP_{322} 3 5.3 180.°26 0.°0/ 5.2 18

2 1	11 31.95	+ 4 29.4	1.862	2.688	13.8	22.1
2 11	11 25.84	+ 4 49.6	1.783	2.690	10.2	21.9
2 21	11 17.52	+ 5 21.2	1.728	2.690	6.0	21.6
3 2	11 7.74	+ 5 59.6	1.701	2.691	1.5	21.3
3 12	10 57.54	+ 6 39.0	1.704	2.690	3.1	21.4
3 22	10 48.02	+ 7 13.9	1.735	2.689	7.6	21.7
4 1	10 40.17	+ 7 39.4	1.793	2.688	11.6	21.9
4 11	10 34.64	+ 7 52.7	1.873	2.686	15.0	22.1

498803 2008 UP_{268} 3 5.3 194.°41 1.°4/ 3.8 17

2 1	11 26.50	+ 8 0.0	2.207	3.044	11.5	21.9
2 11	11 21.57	+ 8 42.1	2.129	3.043	8.4	21.7
2 21	11 14.89	+ 9 32.0	2.076	3.042	4.8	21.5
3 2	11 7.06	+10 24.8	2.052	3.040	1.6	21.3
3 12	10 58.92	+11 14.5	2.057	3.039	3.5	21.4
3 22	10 51.30	+11 56.1	2.091	3.037	7.2	21.6
4 1	10 44.98	+12 25.8	2.152	3.035	10.5	21.8
4 11	10 40.53	+12 41.5	2.236	3.032	13.4	22.0

234513 2001 TU_{232} 3 5.3 201.°42 2.°1/ 3.3 18

2 1	11 29.28	+ 7 24.7	1.786	2.626	13.6	21.4
2 11	11 24.04	+ 8 36.3	1.706	2.623	9.9	21.2
2 21	11 16.54	+10 0.2	1.652	2.619	5.7	20.9
3 2	11 7.51	+11 28.8	1.626	2.614	2.2	20.7
3 12	10 57.99	+12 53.2	1.629	2.608	4.6	20.8
3 22	10 49.10	+14 5.1	1.660	2.602	9.0	21.1
4 1	10 41.86	+14 58.8	1.716	2.595	13.0	21.3
4 11	10 36.98	+15 31.9	1.794	2.587	16.3	21.5

434709 2006 CJ_{69} 3 5.3 342.°37 0.°3/ 1.3 15

2 1	11 7.29	+15 58.7	32.419	33.261	0.9	22.9
2 11	11 6.50	+16 6.0	32.342	33.258	0.6	22.9
2 21	11 5.62	+16 13.3	32.293	33.255	0.4	22.8
3 2	11 4.69	+16 20.3	32.275	33.252	0.3	22.8
3 12	11 3.75	+16 26.7	32.287	33.249	0.4	22.8
3 22	11 2.84	+16 32.5	32.328	33.247	0.7	22.9
4 1	11 1.98	+16 37.3	32.397	33.244	0.9	22.9
4 11	11 1.22	+16 41.0	32.491	33.241	1.2	22.9

331222 2011 BW_{63} 3 5.3 166.°40 4.°1/29.5 18

2 1	11 25.04	+13 1.3	1.943	2.798	12.1	20.7
2 11	11 20.76	+14 45.9	1.876	2.799	8.7	20.5
2 21	11 14.52	+16 37.2	1.835	2.800	5.5	20.3
3 2	11 6.99	+18 25.9	1.823	2.801	4.1	20.2
3 12	10 59.10	+20 2.8	1.840	2.801	6.4	20.4
3 22	10 51.80	+21 20.5	1.885	2.802	9.7	20.6
4 1	10 45.97	+22 14.9	1.955	2.803	13.0	20.8
4 11	10 42.20	+22 45.5	2.045	2.803	15.7	20.9

522579 2016 EO_{245} 3 5.3 337.°55 1.°8/ 6.7 17

2 1	11 28.47	+ 0 11.1	1.679	2.503	15.1	21.6
2 11	11 23.51	+ 0 12.3	1.599	2.501	11.5	21.3
2 21	11 16.26	+ 0 29.0	1.542	2.499	7.3	21.1
3 2	11 7.45	+ 0 58.5	1.511	2.498	2.9	20.8
3 12	10 58.16	+ 1 35.4	1.508	2.496	3.1	20.8
3 22	10 49.55	+ 2 13.6	1.532	2.495	7.6	21.1
4 1	10 42.64	+ 2 47.1	1.582	2.493	11.8	21.3
4 11	10 38.15	+ 3 11.0	1.653	2.492	15.5	21.5

247312 2001 TM_{162} 3 5.3 196.°39 2.°9/ 8.8 18

2 1	11 23.58	− 6 45.6	2.450	3.232	12.2	20.5
2 11	11 19.33	− 6 22.4	2.359	3.231	9.6	20.3
2 21	11 13.54	− 5 42.3	2.293	3.230	6.7	20.2
3 2	11 6.73	− 4 47.4	2.254	3.229	3.8	20.0
3 12	10 59.62	− 3 41.8	2.244	3.227	3.1	19.9
3 22	10 52.93	− 2 30.9	2.264	3.226	5.6	20.1
4 1	10 47.33	− 1 20.6	2.312	3.224	8.6	20.3
4 11	10 43.35	− 0 16.3	2.385	3.222	11.4	20.4

470386 2007 TD_{328} 3 5.3 285.°83 3.°9/ 9.1 16

2 1	11 25.96	− 7 24.7	2.185	2.967	13.5	21.7
2 11	11 21.47	− 7 26.8	2.070	2.939	10.9	21.5
2 21	11 15.03	− 7 10.6	1.977	2.911	7.8	21.3
3 2	11 7.16	− 6 36.7	1.911	2.882	4.9	21.0
3 12	10 58.66	− 5 47.7	1.873	2.853	4.1	20.9
3 22	10 50.42	− 4 48.7	1.864	2.824	6.7	21.0
4 1	10 43.36	− 3 46.0	1.882	2.794	10.2	21.2
4 11	10 38.21	− 2 46.3	1.923	2.765	13.6	21.3

127560 2002 YQ_{26} 3 5.3 172.°15 1.°2/ 6.2 18

2 1	11 30.85	+ 1 5.2	1.480	2.311	16.4	20.0
2 11	11 25.51	+ 1 19.8	1.405	2.312	12.4	19.7
2 21	11 17.54	+ 1 51.9	1.353	2.313	7.7	19.4
3 2	11 7.79	+ 2 37.3	1.326	2.314	2.6	19.1
3 12	10 57.51	+ 3 29.0	1.326	2.314	3.4	19.2
3 22	10 48.05	+ 4 19.2	1.353	2.314	8.5	19.5
4 1	10 40.60	+ 5 0.8	1.404	2.314	13.2	19.7
4 11	10 35.90	+ 5 28.9	1.477	2.314	17.1	20.0

244610 2003 AZ_{10} 3 5.3 82.°36 6.°6/13.6 18

2 1	11 25.02	−18 13.0	2.333	3.048	14.6	20.5
2 11	11 20.41	−18 20.9	2.258	3.066	12.4	20.3
2 21	11 14.17	−18 5.5	2.204	3.084	9.9	20.2
3 2	11 6.89	−17 26.7	2.175	3.102	7.7	20.1
3 12	10 59.37	−16 27.1	2.172	3.120	6.6	20.1
3 22	10 52.41	−15 12.0	2.197	3.137	7.2	20.1
4 1	10 46.72	−13 48.2	2.249	3.155	9.1	20.3
4 11	10 42.81	−12 23.2	2.326	3.172	11.3	20.4

230928 2004 VD_{54} 3 5.3 141.°82 3.°5/ 8.4 17 R

2 1	11 28.98	− 5 0.8	2.075	2.866	13.8	20.6
2 11	11 23.50	− 5 15.7	1.993	2.869	10.9	20.4
2 21	11 16.09	− 5 14.7	1.934	2.873	7.5	20.2
3 2	11 7.39	− 4 58.7	1.901	2.876	4.4	20.0
3 12	10 58.33	− 4 31.1	1.898	2.880	3.8	19.9
3 22	10 49.83	− 3 56.4	1.923	2.883	6.5	20.1
4 1	10 42.74	− 3 20.0	1.975	2.886	9.9	20.3
4 11	10 37.69	− 2 47.2	2.051	2.888	13.0	20.5

523683 2014 CP_{23} 3 5.3 357.°56 0.°2/ 1.8 18

2 1	11 6.94	+14 47.9	37.304	38.146	0.8	22.0
2 11	11 6.25	+14 54.7	37.229	38.145	0.6	22.0
2 21	11 5.49	+15 1.6	37.181	38.145	0.3	21.9
3 2	11 4.68	+15 8.3	37.164	38.144	0.2	21.9
3 12	11 3.86	+15 14.5	37.177	38.144	0.3	21.9
3 22	11 3.06	+15 20.2	37.219	38.143	0.6	22.0
4 1	11 2.31	+15 25.2	37.289	38.143	0.8	22.0
4 11	11 1.65	+15 29.2	37.385	38.142	1.0	22.0

283581 2001 XN_{109} 3 5.3 141.°63 2.°3/ 2.4 18

2 1	11 25.34	+11 48.1	2.597	3.437	9.9	21.1
2 11	11 20.46	+12 39.0	2.528	3.444	7.1	20.9
2 21	11 14.12	+13 33.9	2.486	3.451	4.2	20.7
3 2	11 6.88	+14 27.7	2.474	3.458	2.3	20.6
3 12	10 59.42	+15 15.4	2.491	3.464	4.0	20.7
3 22	10 52.45	+15 53.1	2.538	3.470	6.8	20.9
4 1	10 46.60	+16 17.9	2.612	3.476	9.6	21.1
4 11	10 42.33	+16 29.0	2.709	3.481	11.9	21.3

283004 2007 TQ_{393} 3 5.3 315°.36 6°.2/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.21	−15 8.5	2.192	2.934	14.7	20.5
2 11	11 20.04	−15 20.9	2.101	2.931	12.3	20.3
2 21	11 14.08	−15 10.8	2.030	2.928	9.7	20.1
3 2	11 6.90	−14 37.5	1.984	2.926	7.3	20.0
3 12	10 59.32	−13 43.6	1.964	2.923	6.2	19.9
3 22	10 52.19	−12 33.9	1.972	2.921	7.3	19.9
4 1	10 46.33	−11 15.4	2.007	2.919	9.7	20.1
4 11	10 42.33	− 9 55.9	2.066	2.917	12.4	20.2

498156 2007 TU_{116} 3 5.3 123°.50 4°.8/11.3 17

2 1	11 26.00	−12 59.2	2.651	3.389	12.5	21.8
2 11	11 20.94	−13 5.1	2.570	3.403	10.3	21.7
2 21	11 14.42	−12 53.3	2.513	3.417	7.8	21.5
3 2	11 6.96	−12 24.0	2.482	3.430	5.7	21.4
3 12	10 59.27	−11 40.0	2.480	3.443	4.8	21.4
3 22	10 52.04	−10 45.4	2.507	3.456	5.9	21.5
4 1	10 45.92	− 9 45.5	2.562	3.468	8.1	21.6
4 11	10 41.38	− 8 45.8	2.642	3.480	10.4	21.8

274353 2008 RA_{47} 3 5.3 197°.76 0°.8/ 6.2 17

2 1	11 25.80	+ 0 25.5	2.397	3.209	11.6	21.8
2 11	11 20.97	+ 1 0.2	2.309	3.206	8.7	21.6
2 21	11 14.53	+ 1 47.5	2.246	3.203	5.3	21.4
3 2	11 7.01	+ 2 44.2	2.212	3.199	1.8	21.2
3 12	10 59.15	+ 3 45.2	2.208	3.195	2.3	21.2
3 22	10 51.74	+ 4 45.1	2.233	3.191	5.9	21.4
4 1	10 45.48	+ 5 38.8	2.287	3.186	9.3	21.6
4 11	10 40.92	+ 6 22.4	2.365	3.181	12.2	21.8

348413 2005 MW_{36} 3 5.3 138°.01 1°.8/ 3.8 18

2 1	11 31.77	+ 7 9.5	1.557	2.400	15.2	21.7
2 11	11 25.96	+ 8 5.7	1.494	2.411	11.0	21.5
2 21	11 17.68	+ 9 13.8	1.454	2.420	6.4	21.2
3 2	11 7.81	+10 26.0	1.441	2.430	2.1	21.0
3 12	10 57.59	+11 33.1	1.457	2.439	4.6	21.2
3 22	10 48.28	+12 27.4	1.499	2.447	9.2	21.4
4 1	10 40.96	+13 4.0	1.567	2.454	13.5	21.7
4 11	10 36.29	+13 21.0	1.655	2.461	17.0	22.0

284674 2008 RV_{46} 3 5.3 123°.92 0°.9/ 4.6 18

2 1	11 32.54	+ 6 12.4	1.509	2.351	15.6	21.0
2 11	11 26.60	+ 6 40.3	1.444	2.359	11.5	20.8
2 21	11 18.09	+ 7 20.0	1.402	2.368	6.7	20.5
3 2	11 7.92	+ 8 5.4	1.386	2.376	1.7	20.2
3 12	10 57.38	+ 8 48.8	1.398	2.383	4.0	20.4
3 22	10 47.79	+ 9 23.5	1.437	2.391	8.9	20.7
4 1	10 40.25	+ 9 44.7	1.501	2.398	13.3	21.0
4 11	10 35.45	+ 9 50.2	1.585	2.405	17.0	21.2

214572 2006 QV_{36} 3 5.3 266°.44 1°.5/ 4.0 17

2 1	11 29.55	+ 7 24.1	1.724	2.566	14.0	21.0
2 11	11 24.47	+ 8 3.4	1.631	2.548	10.3	20.8
2 21	11 16.95	+ 8 54.3	1.562	2.528	6.0	20.5
3 2	11 7.68	+ 9 50.9	1.520	2.509	1.8	20.1
3 12	10 57.73	+10 45.6	1.506	2.489	4.3	20.3
3 22	10 48.30	+11 31.2	1.519	2.468	9.0	20.5
4 1	10 40.52	+12 2.1	1.558	2.448	13.4	20.7
4 11	10 35.22	+12 15.5	1.617	2.427	17.1	20.9

74503 Madola 3 5.3 334°.78 2°.8/ 3.5 17

2 1	11 32.67	+13 46.6	1.725	2.573	13.7	19.2
2 11	11 26.63	+13 42.3	1.642	2.561	10.1	19.0
2 21	11 18.13	+13 39.1	1.583	2.549	6.1	18.7
3 2	11 7.96	+13 32.1	1.551	2.537	2.9	18.5
3 12	10 57.28	+13 16.3	1.548	2.527	5.0	18.6
3 22	10 47.35	+12 48.7	1.572	2.517	9.1	18.8
4 1	10 39.27	+12 8.3	1.621	2.508	13.1	19.0
4 11	10 33.75	+11 15.6	1.692	2.499	16.6	19.2

350010 2010 HP_{68} 3 5.3 317°.55 9°.9/12.5 17

2 1	11 27.80	−18 52.7	1.958	2.677	16.9	19.8
2 11	11 23.25	−20 15.1	1.847	2.650	14.9	19.6
2 21	11 16.33	−21 16.3	1.756	2.624	12.7	19.4
3 2	11 7.57	−21 51.6	1.688	2.598	10.8	19.2
3 12	10 57.89	−21 58.5	1.644	2.572	9.9	19.1
3 22	10 48.41	−21 38.4	1.625	2.547	10.7	19.1
4 1	10 40.31	−20 56.2	1.630	2.522	12.7	19.1
4 11	10 34.53	−20 0.5	1.656	2.498	15.4	19.2

397168 2005 YA_{86} 3 5.3 154°.90 1°.0/ 4.4 18

2 1	11 31.83	+ 5 51.8	1.923	2.751	13.3	22.5
2 11	11 25.63	+ 6 39.9	1.852	2.762	9.7	22.3
2 21	11 17.35	+ 7 38.8	1.807	2.771	5.6	22.1
3 2	11 7.73	+ 8 42.6	1.790	2.780	1.5	21.8
3 12	10 57.81	+ 9 44.0	1.804	2.787	3.6	21.9
3 22	10 48.61	+10 36.8	1.846	2.794	7.7	22.2
4 1	10 41.04	+11 16.4	1.915	2.800	11.5	22.5
4 11	10 35.72	+11 40.3	2.007	2.805	14.7	22.7

359820 2011 UA_{290} 3 5.3 175°.11 2°.8/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.32	+ 9 25.4	1.756	2.602	13.6	21.4
2 11	11 24.05	+10 39.3	1.685	2.604	9.8	21.2
2 21	11 16.54	+12 3.0	1.639	2.606	5.8	20.9
3 2	11 7.55	+13 28.5	1.621	2.607	2.8	20.7
3 12	10 58.15	+14 46.5	1.632	2.608	5.2	20.9
3 22	10 49.46	+15 49.5	1.671	2.608	9.3	21.1
4 1	10 42.48	+16 32.9	1.734	2.608	13.1	21.3
4 11	10 37.86	+16 55.1	1.819	2.607	16.4	21.6

496007 2007 XS_{56} 3 5.3 83°.87 7°.0/13.1 18

2 1	11 30.80	−18 7.0	2.518	3.217	14.0	20.7
2 11	11 24.53	−18 58.5	2.448	3.242	11.9	20.6
2 21	11 16.56	−19 29.8	2.400	3.266	9.8	20.5
3 2	11 7.52	−19 39.4	2.377	3.290	7.9	20.4
3 12	10 58.23	−19 28.4	2.382	3.314	7.0	20.4
3 22	10 49.50	−19 0.0	2.415	3.338	7.6	20.5
4 1	10 42.08	−18 19.3	2.474	3.361	9.2	20.6
4 11	10 36.49	−17 32.5	2.559	3.384	11.1	20.8

23843 1998 QU_{106} 3 5.3 109°.98 2°.1/ 3.1 18

2 1	11 27.58	+10 16.9	2.229	3.069	11.3	18.5
2 11	11 22.24	+11 4.5	2.168	3.083	8.1	18.3
2 21	11 15.23	+11 57.4	2.132	3.098	4.7	18.1
3 2	11 7.18	+12 50.1	2.126	3.112	2.1	18.0
3 12	10 58.95	+13 36.9	2.149	3.126	4.0	18.1
3 22	10 51.35	+14 13.2	2.201	3.140	7.3	18.3
4 1	10 45.11	+14 36.1	2.280	3.153	10.4	18.5
4 11	10 40.72	+14 44.6	2.381	3.166	13.0	18.7

480111 2015 FW_{71} 3 5.3 290°.59 2°.8/ 8.4 16

2 1	11 23.03	− 5 51.5	2.246	3.039	12.8	21.8
2 11	11 19.20	− 5 23.8	2.139	3.018	10.1	21.6
2 21	11 13.63	− 4 37.4	2.055	2.997	6.9	21.4
3 2	11 6.83	− 3 34.1	1.998	2.976	3.8	21.1
3 12	10 59.55	− 2 18.4	1.969	2.954	3.1	21.0
3 22	10 52.60	− 0 56.7	1.970	2.933	6.1	21.2
4 1	10 46.78	+ 0 24.2	1.999	2.912	9.6	21.4
4 11	10 42.73	+ 1 37.8	2.051	2.891	12.9	21.5

237004 2008 RT_{94} 3 5.3 179°.17 0°.5/ 5.9 18

2 1	11 25.59	+ 1 7.4	2.202	3.020	12.2	20.8
2 11	11 20.94	+ 1 49.8	2.119	3.021	9.1	20.6
2 21	11 14.56	+ 2 45.7	2.062	3.021	5.5	20.4
3 2	11 7.05	+ 3 50.9	2.033	3.022	1.6	20.2
3 12	10 59.21	+ 4 59.6	2.034	3.022	2.5	20.2
3 22	10 51.88	+ 6 5.7	2.064	3.021	6.4	20.5
4 1	10 45.81	+ 7 3.5	2.122	3.021	9.9	20.7
4 11	10 41.55	+ 7 49.2	2.203	3.020	12.9	20.9

333446 2003 UM_{135} 3 5.3 207°.09 5°.9/13.1 17

2 1	11 26.12	−18 15.5	2.905	3.602	12.4	21.9
2 11	11 21.10	−18 24.6	2.800	3.595	10.6	21.8
2 21	11 14.59	−18 14.6	2.716	3.588	8.6	21.6
3 2	11 7.06	−17 44.8	2.658	3.580	6.8	21.5
3 12	10 59.17	−16 56.7	2.628	3.571	5.9	21.4
3 22	10 51.61	−15 53.7	2.627	3.561	6.5	21.4
4 1	10 45.03	−14 41.0	2.654	3.551	8.2	21.5
4 11	10 39.94	−13 24.8	2.707	3.540	10.3	21.7

117849 2005 JV_{146} 3 5.3 136°.35 2°.1/ 2.8 18

2 1	11 27.88	+ 8 25.6	2.180	3.016	11.7	20.8
2 11	11 22.53	+ 9 46.4	2.116	3.031	8.4	20.6
2 21	11 15.45	+11 15.5	2.079	3.045	4.8	20.4
3 2	11 7.27	+12 45.8	2.072	3.058	2.2	20.3
3 12	10 58.85	+14 9.8	2.095	3.071	4.2	20.4
3 22	10 51.05	+15 21.2	2.148	3.083	7.7	20.7
4 1	10 44.63	+16 16.0	2.228	3.095	10.9	20.9
4 11	10 40.11	+16 52.6	2.330	3.105	13.6	21.1

214079 2004 HW_{25} 3 5.3 320°.39 6°.3/28.1 17

2 1	11 27.19	+21 37.9	1.886	2.744	12.2	19.9
2 11	11 22.57	+22 39.4	1.808	2.726	9.4	19.7
2 21	11 15.74	+23 38.9	1.755	2.708	7.0	19.5
3 2	11 7.38	+24 27.9	1.729	2.690	6.4	19.4
3 12	10 58.55	+24 59.0	1.729	2.673	8.3	19.5
3 22	10 50.34	+25 7.6	1.755	2.656	11.3	19.6
4 1	10 43.75	+24 52.3	1.804	2.640	14.4	19.8
4 11	10 39.47	+24 14.9	1.872	2.624	17.2	20.0

327282 2005 TR_{9} 3 5.3 152°.48 2°.9/ 8.9 18

2 1	11 26.36	− 7 43.4	2.477	3.249	12.4	21.8
2 11	11 21.30	− 7 8.1	2.394	3.259	9.7	21.6
2 21	11 14.69	− 6 14.9	2.335	3.269	6.7	21.4
3 2	11 7.08	− 5 6.5	2.304	3.277	3.9	21.2
3 12	10 59.22	− 3 47.6	2.303	3.285	3.1	21.2
3 22	10 51.85	− 2 24.0	2.333	3.293	5.5	21.4
4 1	10 45.64	− 1 2.2	2.392	3.299	8.5	21.6
4 11	10 41.09	+ 0 12.3	2.476	3.305	11.3	21.8

107081 2001 AC_{24} 3 5.3 343°.35 2°.6/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.45	− 1 26.7	1.185	2.026	19.1	19.1
2 11	11 24.31	− 1 23.6	1.113	2.023	14.7	18.8
2 21	11 17.13	− 0 56.9	1.061	2.020	9.5	18.5
3 2	11 7.79	− 0 9.6	1.032	2.018	4.1	18.2
3 12	10 57.75	+ 0 50.5	1.027	2.015	4.0	18.1
3 22	10 48.63	+ 1 53.5	1.047	2.014	9.5	18.4
4 1	10 41.82	+ 2 49.4	1.089	2.013	14.8	18.7
4 11	10 38.23	+ 3 30.7	1.150	2.012	19.4	19.0

207494 2006 HV_{68} 3 5.3 279°.03 0°.0/ 5.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.41	+ 2 51.1	1.530	2.370	15.5	21.5
2 11	11 23.06	+ 3 29.8	1.445	2.359	11.6	21.3
2 21	11 16.19	+ 4 26.0	1.384	2.348	6.9	21.0
3 2	11 7.53	+ 5 34.3	1.347	2.337	1.8	20.6
3 12	10 58.25	+ 6 46.4	1.338	2.326	3.6	20.7
3 22	10 49.59	+ 7 53.4	1.356	2.315	8.8	21.0
4 1	10 42.75	+ 8 47.5	1.398	2.304	13.5	21.2
4 11	10 38.52	+ 9 23.9	1.461	2.293	17.6	21.4

387246 2012 UG_{69} 3 5.3 82°.02 2°.5/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.52	+12 49.4	2.271	3.112	11.1	21.1
2 11	11 22.91	+13 18.0	2.208	3.124	8.0	21.0
2 21	11 15.62	+13 49.3	2.171	3.135	4.8	20.8
3 2	11 7.31	+14 18.3	2.162	3.147	2.5	20.6
3 12	10 58.82	+14 40.5	2.184	3.158	4.2	20.8
3 22	10 50.98	+14 52.2	2.234	3.170	7.4	21.0
4 1	10 44.50	+14 51.6	2.310	3.181	10.4	21.2
4 11	10 39.89	+14 38.3	2.410	3.192	13.0	21.4

231683 1995 UD_{67} 3 5.3 283°.32 0°.6/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.28	+ 2 53.0	1.365	2.207	16.9	21.3
2 11	11 25.51	+ 3 5.0	1.280	2.194	12.8	21.0
2 21	11 17.82	+ 3 34.1	1.216	2.179	7.8	20.7
3 2	11 7.99	+ 4 16.0	1.176	2.165	2.3	20.3
3 12	10 57.33	+ 5 3.3	1.163	2.151	3.7	20.3
3 22	10 47.37	+ 5 47.7	1.176	2.137	9.4	20.6
4 1	10 39.48	+ 6 21.9	1.212	2.123	14.6	20.9
4 11	10 34.61	+ 6 40.7	1.267	2.110	19.1	21.1

226807 2004 RB_{217} 3 5.3 252°.82 5°.8/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.21	−13 25.3	2.176	2.924	14.6	20.6
2 11	11 21.63	−13 33.1	2.071	2.910	12.2	20.4
2 21	11 15.13	−13 18.9	1.987	2.895	9.4	20.2
3 2	11 7.25	−12 41.9	1.929	2.879	6.8	20.0
3 12	10 58.83	−11 44.6	1.898	2.863	5.8	19.9
3 22	10 50.77	−10 31.9	1.895	2.847	7.2	20.0
4 1	10 43.98	− 9 10.9	1.919	2.831	10.1	20.1
4 11	10 39.12	− 7 49.7	1.967	2.814	13.1	20.3

187873 2000 QN_{78} 3 5.3 167°.01 0°.5/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.51	+ 1 49.7	2.415	3.227	11.4	21.1
2 11	11 22.17	+ 2 22.3	2.334	3.233	8.5	20.9
2 21	11 15.22	+ 3 6.2	2.279	3.237	5.1	20.7
3 2	11 7.23	+ 3 57.6	2.252	3.241	1.5	20.4
3 12	10 58.95	+ 4 51.8	2.257	3.244	2.3	20.5
3 22	10 51.17	+ 5 43.5	2.291	3.247	5.9	20.7
4 1	10 44.59	+ 6 28.4	2.353	3.249	9.2	20.9
4 11	10 39.74	+ 7 3.2	2.440	3.250	12.0	21.1

504656 2008 YJ_{160} 3 5.3 245°.19 2°.6/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.62	− 2 59.2	2.331	3.127	12.4	21.4
2 11	11 22.39	− 3 10.5	2.240	3.123	9.6	21.2
2 21	11 15.43	− 3 8.8	2.174	3.119	6.4	20.9
3 2	11 7.30	− 2 55.3	2.135	3.114	3.4	20.7
3 12	10 58.79	− 2 33.1	2.126	3.110	3.1	20.7
3 22	10 50.74	− 2 6.1	2.146	3.106	5.9	20.9
4 1	10 43.89	− 1 38.7	2.193	3.101	9.2	21.1
4 11	10 38.85	− 1 15.0	2.265	3.097	12.1	21.3

109163 2001 QX_{62} 3 5.3 147°.08 1°.7/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.25	+ 0 33.7	1.869	2.684	14.2	19.8
2 11	11 25.34	+ 0 26.4	1.790	2.687	10.8	19.6
2 21	11 17.27	+ 0 32.2	1.736	2.691	6.8	19.4
3 2	11 7.77	+ 0 48.8	1.708	2.694	2.8	19.1
3 12	10 57.88	+ 1 11.9	1.709	2.696	3.0	19.1
3 22	10 48.65	+ 1 36.6	1.739	2.699	7.0	19.4
4 1	10 41.06	+ 1 58.0	1.795	2.702	11.0	19.6
4 11	10 35.74	+ 2 12.1	1.874	2.704	14.3	19.8

126458 2002 CW_{29} 3 5.3 65°.77 2°.9/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.88	+11 5.6	1.324	2.180	16.5	18.7
2 11	11 27.70	+11 36.2	1.275	2.198	12.0	18.5
2 21	11 18.75	+12 13.3	1.248	2.216	7.0	18.2
3 2	11 8.12	+12 49.0	1.247	2.234	3.0	18.0
3 12	10 57.31	+13 15.0	1.272	2.252	5.5	18.2
3 22	10 47.76	+13 26.1	1.323	2.270	10.2	18.5
4 1	10 40.59	+13 19.9	1.397	2.288	14.5	18.8
4 11	10 36.41	+12 56.6	1.491	2.306	18.1	19.1

380084 2013 SK_{48} 3 5.3 119°.01 2°.6/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.61	+10 38.5	2.004	2.851	12.1	20.8
2 11	11 21.80	+11 38.0	1.936	2.856	8.7	20.6
2 21	11 15.11	+12 44.1	1.894	2.861	5.1	20.4
3 2	11 7.21	+13 50.2	1.880	2.866	2.6	20.2
3 12	10 59.02	+14 49.2	1.896	2.871	4.7	20.4
3 22	10 51.46	+15 35.4	1.939	2.875	8.3	20.6
4 1	10 45.36	+16 5.4	2.007	2.880	11.6	20.8
4 11	10 41.28	+16 17.9	2.097	2.884	14.5	21.0

363772 2005 EE_{146} 3 5.3 281°.21 0°.9/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.09	− 0 59.9	1.649	2.477	15.2	21.0
2 11	11 21.29	− 0 4.3	1.553	2.457	11.6	20.7
2 21	11 15.15	+ 1 14.2	1.478	2.438	7.2	20.4
3 2	11 7.29	+ 2 50.8	1.431	2.419	2.4	20.1
3 12	10 58.75	+ 4 37.0	1.411	2.399	3.2	20.1
3 22	10 50.67	+ 6 22.3	1.418	2.379	8.2	20.3
4 1	10 44.19	+ 7 56.7	1.452	2.359	12.9	20.5
4 11	10 40.11	+ 9 13.0	1.506	2.340	17.1	20.7

367569 2009 SK_{120} 3 5.3 175°.69 1°.1/ 6.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.39	− 0 24.2	2.548	3.350	11.2	23.1
2 11	11 22.04	+ 0 7.5	2.462	3.353	8.5	22.9
2 21	11 15.13	+ 0 51.4	2.402	3.356	5.3	22.7
3 2	11 7.21	+ 1 44.5	2.371	3.358	2.0	22.4
3 12	10 59.01	+ 2 42.3	2.371	3.359	2.2	22.5
3 22	10 51.25	+ 3 39.5	2.401	3.359	5.6	22.7
4 1	10 44.62	+ 4 31.7	2.460	3.358	8.7	22.9
4 11	10 39.63	+ 5 14.9	2.544	3.357	11.5	23.1

331420 2012 FQ_{72} 3 5.3 16°.26 0°.0/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.38	+ 5 26.7	1.358	2.208	16.5	19.9
2 11	11 24.54	+ 5 27.9	1.293	2.212	12.2	19.6
2 21	11 17.02	+ 5 41.5	1.250	2.216	7.2	19.3
3 2	11 7.73	+ 6 2.6	1.232	2.221	1.8	19.0
3 12	10 58.02	+ 6 24.8	1.240	2.227	3.7	19.2
3 22	10 49.27	+ 6 41.8	1.273	2.234	9.0	19.5
4 1	10 42.65	+ 6 48.9	1.330	2.242	13.6	19.8
4 11	10 38.87	+ 6 43.0	1.407	2.250	17.5	20.0

428696 2008 PM_{6} 3 5.3 144°.86 1°.4/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.37	− 0 39.6	2.355	3.160	11.9	21.9
2 11	11 22.09	− 0 19.8	2.278	3.169	9.0	21.7
2 21	11 15.18	+ 0 12.7	2.225	3.178	5.7	21.5
3 2	11 7.22	+ 0 54.9	2.200	3.186	2.3	21.3
3 12	10 59.01	+ 1 42.3	2.206	3.193	2.4	21.3
3 22	10 51.32	+ 2 30.0	2.241	3.200	5.8	21.5
4 1	10 44.87	+ 3 13.4	2.304	3.207	9.0	21.8
4 11	10 40.16	+ 3 48.6	2.391	3.213	11.9	21.9

107658 2001 EF_{27} 3 5.3 2°.37 4°.8/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.44	− 7 20.0	1.454	2.262	17.9	19.4
2 11	11 22.38	− 7 26.5	1.377	2.261	14.3	19.2
2 21	11 15.78	− 7 7.5	1.321	2.261	10.1	18.9
3 2	11 7.44	− 6 24.1	1.287	2.261	6.1	18.7
3 12	10 58.55	− 5 21.4	1.280	2.262	5.1	18.6
3 22	10 50.39	− 4 7.8	1.298	2.263	8.3	18.8
4 1	10 44.12	− 2 53.3	1.340	2.264	12.5	19.1
4 11	10 40.52	− 1 46.7	1.404	2.266	16.5	19.3

26109 1991 LJ_{3} 3 5.3 268°.19 1°.3/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.62	− 0 4.5	1.477	2.308	16.5	19.3
2 11	11 24.13	+ 0 22.7	1.386	2.293	12.6	19.1
2 21	11 16.95	+ 1 10.7	1.317	2.277	7.9	18.7
3 2	11 7.77	+ 2 15.7	1.273	2.260	2.8	18.4
3 12	10 57.81	+ 3 30.2	1.255	2.244	3.5	18.4
3 22	10 48.41	+ 4 44.6	1.264	2.227	8.8	18.6
4 1	10 40.88	+ 5 49.8	1.298	2.210	13.9	18.9
4 11	10 36.13	+ 6 39.2	1.352	2.193	18.2	19.1

233235 2005 YT_{58} 3 5.3 7°.11 1°.9/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.90	− 0 18.1	1.628	2.456	15.4	20.2
2 11	11 22.42	− 0 16.2	1.553	2.456	11.7	19.9
2 21	11 15.67	+ 0 2.3	1.500	2.457	7.4	19.7
3 2	11 7.39	+ 0 34.3	1.472	2.458	3.1	19.4
3 12	10 58.68	+ 1 14.4	1.472	2.460	3.2	19.4
3 22	10 50.67	+ 1 56.1	1.498	2.462	7.5	19.7
4 1	10 44.37	+ 2 33.0	1.550	2.465	11.8	19.9
4 11	10 40.48	+ 3 0.0	1.623	2.468	15.5	20.2

289894 2005 MH_{36} 3 5.3 133°.41 10°.0/15.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 34.48	−24 40.9	2.275	2.927	16.4	21.6
2 11	11 27.67	−25 59.0	2.195	2.940	14.6	21.5
2 21	11 18.67	−26 52.7	2.134	2.953	12.7	21.3
3 2	11 8.16	−27 17.9	2.096	2.965	11.0	21.3
3 12	10 57.12	−27 13.5	2.084	2.976	10.1	21.2
3 22	10 46.62	−26 42.4	2.097	2.987	10.3	21.2
4 1	10 37.65	−25 50.3	2.136	2.998	11.5	21.3
4 11	10 30.93	−24 45.8	2.198	3.007	13.2	21.5

414768 2010 MF_{90} 3 5.3 215°.53 1°.6/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.64	+ 7 47.9	2.108	2.941	12.1	22.0
2 11	11 24.07	+ 8 35.9	2.021	2.933	8.9	21.8
2 21	11 16.52	+ 9 33.2	1.958	2.924	5.1	21.5
3 2	11 7.60	+10 34.2	1.925	2.914	1.7	21.3
3 12	10 58.24	+11 32.3	1.922	2.903	3.8	21.4
3 22	10 49.37	+12 21.6	1.947	2.891	7.7	21.6
4 1	10 41.90	+12 57.6	2.000	2.879	11.4	21.8
4 11	10 36.48	+13 18.1	2.075	2.866	14.5	22.0

500387 2012 TX_{83} 3 5.3 123°.18 5°.4/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.25	−15 59.3	2.419	3.150	13.8	22.2
2 11	11 19.15	−15 40.0	2.330	3.155	11.5	22.0
2 21	11 13.50	−14 57.9	2.263	3.160	8.9	21.9
3 2	11 6.82	−13 53.7	2.221	3.164	6.6	21.7
3 12	10 59.85	−12 30.8	2.207	3.169	5.4	21.7
3 22	10 53.35	−10 55.1	2.222	3.174	6.4	21.7
4 1	10 47.99	− 9 14.0	2.265	3.178	8.7	21.9
4 11	10 44.30	− 7 35.0	2.334	3.182	11.2	22.0

249136 2007 YR_{68} 3 5.3 273°.65 7°.0/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.93	+27 33.2	2.389	3.235	10.4	20.3
2 11	11 22.01	+28 53.8	2.323	3.224	8.4	20.2
2 21	11 15.25	+30 8.3	2.283	3.212	7.2	20.1
3 2	11 7.27	+31 9.0	2.271	3.201	7.3	20.0
3 12	10 58.94	+31 50.0	2.286	3.190	8.8	20.1
3 22	10 51.16	+32 7.9	2.327	3.178	10.9	20.2
4 1	10 44.74	+32 2.3	2.390	3.166	13.1	20.4
4 11	10 40.27	+31 35.1	2.471	3.155	15.1	20.5

234461 2001 SR_{192} 3 5.3 79°.08 0°.8/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.18	− 0 12.2	1.385	2.222	17.0	20.5
2 11	11 22.90	+ 0 39.7	1.318	2.228	12.8	20.3
2 21	11 16.06	+ 1 53.8	1.273	2.235	7.8	20.0
3 2	11 7.50	+ 3 23.7	1.252	2.241	2.4	19.7
3 12	10 58.51	+ 4 59.2	1.259	2.248	3.4	19.8
3 22	10 50.39	+ 6 29.4	1.292	2.254	8.7	20.1
4 1	10 44.28	+ 7 45.0	1.349	2.261	13.5	20.4
4 11	10 40.88	+ 8 40.6	1.427	2.267	17.5	20.7

14983 1997 TE_{25} 3 5.3 166°.97 0°.8/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.79	+ 0 25.5	2.508	3.313	11.3	20.0
2 11	11 22.34	+ 1 1.2	2.425	3.319	8.5	19.8
2 21	11 15.31	+ 1 48.8	2.369	3.325	5.2	19.6
3 2	11 7.28	+ 2 44.9	2.342	3.329	1.7	19.4
3 12	10 58.97	+ 3 44.7	2.346	3.333	2.2	19.4
3 22	10 51.14	+ 4 43.0	2.380	3.336	5.7	19.7
4 1	10 44.47	+ 5 35.1	2.443	3.339	8.9	19.9
4 11	10 39.47	+ 6 17.5	2.530	3.340	11.6	20.0

520965 2014 YM_{61} 3 5.3 133°.68 0°.1/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.34	+ 3 58.5	2.017	2.842	12.9	21.7
2 11	11 23.77	+ 4 14.8	1.942	2.848	9.5	21.5
2 21	11 16.27	+ 4 41.5	1.893	2.854	5.7	21.3
3 2	11 7.53	+ 5 15.0	1.871	2.860	1.5	21.0
3 12	10 58.48	+ 5 49.9	1.878	2.866	2.8	21.1
3 22	10 50.07	+ 6 21.4	1.915	2.871	6.9	21.4
4 1	10 43.15	+ 6 45.3	1.978	2.876	10.5	21.6
4 11	10 38.29	+ 6 58.5	2.064	2.881	13.7	21.9

329605 2003 FZ_{121} 3 5.3 359°.57 7°.7/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.91	−22 53.7	1.550	2.276	20.4	19.8
2 11	11 18.28	−21 41.7	1.458	2.274	17.6	19.5
2 21	11 13.34	−19 42.6	1.384	2.272	14.1	19.3
3 2	11 6.82	−16 55.7	1.332	2.272	10.4	19.1
3 12	10 59.85	−13 28.5	1.307	2.272	7.9	18.9
3 22	10 53.57	− 9 36.8	1.311	2.273	8.7	19.0
4 1	10 49.05	− 5 40.7	1.345	2.275	12.0	19.2
4 11	10 46.99	− 1 59.9	1.405	2.278	15.8	19.4

476504 2008 GD_{20} 3 5.3 196°.63 14°.3/26.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.02	+34 47.4	1.191	2.028	19.3	22.0
2 11	11 41.48	+36 15.6	1.142	2.027	16.5	21.8
2 21	11 27.40	+37 21.6	1.113	2.025	14.6	21.7
3 2	11 10.39	+37 47.6	1.106	2.022	14.6	21.7
3 12	10 52.99	+37 22.8	1.122	2.018	16.4	21.8
3 22	10 37.75	+36 7.8	1.159	2.013	19.4	21.9
4 1	10 26.47	+34 12.2	1.216	2.008	22.5	22.1
4 11	10 19.84	+31 49.0	1.287	2.001	25.3	22.3

124683 2001 SL_{113} 3 5.3 102°.32 3°.5/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.42	− 5 49.9	1.490	2.300	17.4	20.3
2 11	11 23.67	− 5 28.3	1.421	2.310	13.6	20.1
2 21	11 16.45	− 4 41.7	1.373	2.320	9.2	19.8
3 2	11 7.60	− 3 33.2	1.349	2.329	4.8	19.6
3 12	10 58.35	− 2 10.3	1.353	2.339	4.0	19.6
3 22	10 49.94	− 0 42.6	1.383	2.348	7.9	19.8
4 1	10 43.45	+ 0 40.0	1.438	2.357	12.3	20.1
4 11	10 39.58	+ 1 49.8	1.516	2.366	16.1	20.3

266244 2006 XX_{60} 3 5.3 85°.61 2°.7/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.54	+10 1.1	1.800	2.643	13.4	21.4
2 11	11 24.61	+11 11.2	1.756	2.674	9.6	21.2
2 21	11 16.68	+12 27.6	1.738	2.704	5.6	21.0
3 2	11 7.60	+13 42.2	1.748	2.734	2.7	20.9
3 12	10 58.44	+14 47.4	1.787	2.763	4.9	21.1
3 22	10 50.22	+15 37.2	1.855	2.791	8.6	21.4
4 1	10 43.74	+16 8.9	1.947	2.819	12.0	21.6
4 11	10 39.51	+16 21.8	2.061	2.846	14.8	21.9

292470 2006 SB_{382} 3 5.3 189°.46 3°.4/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.06	+14 55.5	2.397	3.246	10.3	20.8
2 11	11 20.47	+15 56.5	2.327	3.246	7.5	20.6
2 21	11 14.26	+17 0.0	2.283	3.246	4.8	20.5
3 2	11 7.02	+18 0.1	2.268	3.245	3.5	20.4
3 12	10 59.51	+18 50.9	2.282	3.245	5.2	20.5
3 22	10 52.50	+19 28.1	2.324	3.244	8.0	20.7
4 1	10 46.69	+19 49.2	2.392	3.244	10.8	20.8
4 11	10 42.61	+19 53.8	2.482	3.243	13.2	21.0

464327 2016 AB_{110} 3 5.3 329°.22 1°.8/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.20	+ 7 57.9	1.327	2.188	16.2	20.6
2 11	11 23.22	+ 8 27.3	1.249	2.175	11.9	20.3
2 21	11 16.44	+ 9 9.1	1.193	2.162	7.0	20.0
3 2	11 7.65	+ 9 56.5	1.161	2.151	2.2	19.6
3 12	10 58.18	+10 40.6	1.155	2.140	4.9	19.8
3 22	10 49.49	+11 13.3	1.174	2.130	10.2	20.0
4 1	10 42.87	+11 29.1	1.215	2.120	15.2	20.3
4 11	10 39.19	+11 25.4	1.275	2.112	19.4	20.5

51832 2001 OS_{46} 3 5.3 196°.64 3°.2/ 1.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.25	+12 14.6	2.208	3.058	11.0	19.2
2 11	11 20.01	+13 34.6	2.137	3.057	8.0	19.0
2 21	11 14.05	+15 0.5	2.091	3.057	4.8	18.8
3 2	11 6.98	+16 25.2	2.075	3.056	3.2	18.7
3 12	10 59.59	+17 41.4	2.088	3.056	5.2	18.9
3 22	10 52.71	+18 43.3	2.130	3.055	8.3	19.0
4 1	10 47.10	+19 27.3	2.197	3.054	11.4	19.2
4 11	10 43.30	+19 52.1	2.286	3.053	14.0	19.4

233234 2005 YM_{52} 3 5.3 118°.90 2°.7/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.25	− 4 4.5	2.020	2.820	13.9	20.9
2 11	11 22.27	− 3 56.0	1.942	2.827	10.7	20.7
2 21	11 15.41	− 3 30.5	1.888	2.833	7.2	20.5
3 2	11 7.33	− 2 50.4	1.860	2.840	3.7	20.3
3 12	10 58.91	− 2 0.3	1.861	2.846	3.2	20.2
3 22	10 51.09	− 1 6.1	1.891	2.853	6.4	20.5
4 1	10 44.68	− 0 13.7	1.947	2.859	10.0	20.7
4 11	10 40.28	+ 0 31.5	2.027	2.865	13.1	20.9

57724 2001 UT_{148} 3 5.3 337°.20 1°.5/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.47	+ 7 24.1	1.688	2.535	14.0	19.3
2 11	11 22.80	+ 8 3.3	1.614	2.533	10.2	19.0
2 21	11 15.89	+ 8 53.2	1.563	2.531	5.9	18.8
3 2	11 7.47	+ 9 47.5	1.540	2.529	1.8	18.5
3 12	10 58.63	+10 38.8	1.544	2.527	4.1	18.6
3 22	10 50.49	+11 20.5	1.575	2.526	8.6	18.9
4 1	10 44.04	+11 47.7	1.631	2.524	12.7	19.1
4 11	10 39.96	+11 58.2	1.708	2.523	16.1	19.3

469589 2004 CX_{31} 3 5.3 99°.70 2°.7/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.28	+10 35.9	2.181	3.028	11.2	20.8
2 11	11 19.99	+11 54.4	2.114	3.034	8.1	20.6
2 21	11 14.02	+13 19.6	2.074	3.040	4.8	20.4
3 2	11 6.97	+14 44.7	2.062	3.046	2.7	20.3
3 12	10 59.65	+16 2.4	2.081	3.052	4.7	20.4
3 22	10 52.88	+17 6.7	2.127	3.058	8.0	20.6
4 1	10 47.39	+17 53.9	2.200	3.064	11.1	20.8
4 11	10 43.71	+18 22.5	2.294	3.070	13.7	21.0

466349 2013 RP_{52} 3 5.3 307°.51 1°.9/ 3.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.41	+ 7 49.7	1.711	2.560	13.7	21.6
2 11	11 22.04	+ 8 41.9	1.634	2.554	10.0	21.4
2 21	11 15.45	+ 9 45.2	1.581	2.549	5.8	21.1
3 2	11 7.37	+10 52.7	1.555	2.544	2.0	20.8
3 12	10 58.83	+11 56.5	1.557	2.539	4.4	21.0
3 22	10 50.94	+12 49.1	1.586	2.534	8.8	21.2
4 1	10 44.69	+13 25.5	1.640	2.529	12.8	21.4
4 11	10 40.76	+13 43.3	1.714	2.525	16.3	21.7

239901 2000 SR_{122} 3 5.3 162°.49 0°.6/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.43	+ 6 22.0	3.183	4.004	8.7	21.5
2 11	11 19.61	+ 7 0.1	3.104	4.010	6.3	21.4
2 21	11 13.60	+ 7 44.3	3.053	4.016	3.7	21.2
3 2	11 6.85	+ 8 31.3	3.032	4.021	1.0	21.0
3 12	10 59.92	+ 9 17.2	3.042	4.026	2.3	21.1
3 22	10 53.34	+ 9 58.5	3.083	4.030	5.1	21.3
4 1	10 47.65	+10 32.4	3.153	4.034	7.6	21.5
4 11	10 43.23	+10 56.9	3.248	4.037	9.8	21.6

442738 2012 VK_{101} 3 5.3 106°.14 0°.5/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.85	+ 1 27.6	1.392	2.228	17.0	21.8
2 11	11 25.52	+ 2 7.7	1.331	2.241	12.7	21.5
2 21	11 17.56	+ 3 6.7	1.292	2.254	7.6	21.3
3 2	11 7.90	+ 4 18.3	1.278	2.267	2.1	21.0
3 12	10 57.88	+ 5 33.1	1.291	2.279	3.5	21.1
3 22	10 48.86	+ 6 41.6	1.331	2.291	8.8	21.4
4 1	10 41.96	+ 7 36.6	1.395	2.302	13.4	21.7
4 11	10 37.86	+ 8 13.5	1.480	2.313	17.3	22.0

463585 2013 SD_{30} 3 5.3 212°.82 2°.3/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.14	− 5 19.5	2.546	3.329	11.8	22.5
2 11	11 21.24	− 4 44.0	2.445	3.320	9.2	22.3
2 21	11 14.75	− 3 52.1	2.369	3.311	6.2	22.1
3 2	11 7.18	− 2 46.2	2.322	3.301	3.2	21.8
3 12	10 59.23	− 1 30.7	2.305	3.290	2.7	21.8
3 22	10 51.65	− 0 11.3	2.318	3.279	5.5	22.0
4 1	10 45.13	+ 1 5.9	2.361	3.266	8.7	22.1
4 11	10 40.24	+ 2 15.7	2.429	3.253	11.6	22.3

468597 2007 UD_{49} 3 5.3 144°.70 1°.9/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.40	− 3 52.9	2.612	3.404	11.3	22.0
2 11	11 19.83	− 3 23.2	2.530	3.412	8.7	21.9
2 21	11 13.83	− 2 39.5	2.473	3.419	5.7	21.7
3 2	11 6.93	− 1 44.4	2.445	3.426	2.8	21.5
3 12	10 59.79	− 0 42.2	2.446	3.432	2.4	21.5
3 22	10 53.08	+ 0 22.1	2.478	3.438	5.2	21.7
4 1	10 47.43	+ 1 23.4	2.538	3.444	8.2	21.9
4 11	10 43.30	+ 2 17.4	2.623	3.450	10.8	22.1

62411 2000 SX_{178} 3 5.3 285°.55 1°.1/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.59	+ 7 24.8	1.492	2.338	15.5	18.5
2 11	11 26.21	+ 7 39.8	1.411	2.329	11.5	18.2
2 21	11 18.10	+ 8 5.3	1.353	2.320	6.7	17.9
3 2	11 8.09	+ 8 35.8	1.321	2.311	1.8	17.5
3 12	10 57.44	+ 9 4.3	1.316	2.301	4.2	17.7
3 22	10 47.54	+ 9 24.5	1.337	2.292	9.3	18.0
4 1	10 39.64	+ 9 31.7	1.383	2.283	14.0	18.2
4 11	10 34.57	+ 9 23.8	1.449	2.274	18.0	18.4

348511 2005 TP_{186} 3 5.3 38°.72 2°.3/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.24	− 0 10.7	1.171	2.014	19.1	20.2
2 11	11 25.49	− 0 16.9	1.112	2.022	14.5	20.0
2 21	11 17.73	− 0 2.1	1.072	2.032	9.2	19.7
3 2	11 7.97	+ 0 30.2	1.055	2.041	3.8	19.4
3 12	10 57.77	+ 1 12.7	1.063	2.052	3.9	19.5
3 22	10 48.68	+ 1 56.6	1.096	2.063	9.2	19.8
4 1	10 42.01	+ 2 33.6	1.152	2.074	14.3	20.1
4 11	10 38.51	+ 2 57.9	1.227	2.086	18.6	20.4

20940 1236 $T\text{-}_2$ 3 5.3 152°.43 0°.0/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.30	+ 3 38.7	1.869	2.696	13.7	19.4
2 11	11 24.63	+ 4 9.9	1.796	2.703	10.1	19.2
2 21	11 16.86	+ 4 53.5	1.747	2.710	6.0	18.9
3 2	11 7.72	+ 5 44.8	1.726	2.715	1.5	18.7
3 12	10 58.25	+ 6 37.3	1.734	2.721	3.0	18.8
3 22	10 49.46	+ 7 24.8	1.771	2.726	7.4	19.1
4 1	10 42.30	+ 8 2.2	1.833	2.730	11.3	19.3
4 11	10 37.37	+ 8 26.3	1.919	2.734	14.6	19.5

329236 2012 FH_{10} 3 5.3 338°.89 6°.9/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.89	+19 2.5	1.598	2.465	13.5	20.0
2 11	11 21.86	+20 57.7	1.538	2.462	10.2	19.7
2 21	11 15.43	+22 54.5	1.503	2.460	7.5	19.6
3 2	11 7.38	+24 40.8	1.495	2.458	7.1	19.5
3 12	10 58.89	+26 5.5	1.514	2.456	9.4	19.7
3 22	10 51.17	+27 1.6	1.557	2.454	12.8	19.9
4 1	10 45.28	+27 26.9	1.622	2.452	16.0	20.1
4 11	10 41.92	+27 23.2	1.704	2.451	18.8	20.3

77278 2001 FL_{61} 3 5.3 223°.25 2°.4/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.47	+10 11.9	1.842	2.685	13.2	19.5
2 11	11 24.92	+10 53.5	1.762	2.679	9.6	19.3
2 21	11 17.12	+11 42.4	1.706	2.672	5.7	19.0
3 2	11 7.81	+12 32.6	1.678	2.665	2.4	18.8
3 12	10 58.04	+13 16.8	1.679	2.658	4.7	19.0
3 22	10 48.90	+13 49.3	1.708	2.650	8.8	19.2
4 1	10 41.40	+14 6.2	1.762	2.642	12.6	19.4
4 11	10 36.23	+14 6.4	1.837	2.633	15.9	19.6

258885 2002 QP_{55} 3 5.3 220°.16 1°.3/ 4.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.72	+ 7 21.8	2.091	2.923	12.2	22.6
2 11	11 24.17	+ 8 4.4	2.002	2.914	9.0	22.3
2 21	11 16.61	+ 8 56.3	1.938	2.903	5.2	22.1
3 2	11 7.68	+ 9 52.4	1.904	2.893	1.6	21.8
3 12	10 58.29	+10 46.3	1.899	2.881	3.7	21.9
3 22	10 49.39	+11 32.1	1.923	2.869	7.6	22.2
4 1	10 41.90	+12 5.4	1.974	2.856	11.3	22.4
4 11	10 36.47	+12 23.9	2.047	2.842	14.5	22.5

503611 2016 GN_{109} 3 5.3 292°.44 2°.2/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.27	+ 9 18.8	1.771	2.619	13.3	21.4
2 11	11 22.65	+10 4.9	1.691	2.611	9.7	21.2
2 21	11 15.82	+10 59.9	1.635	2.603	5.7	20.9
3 2	11 7.49	+11 57.5	1.607	2.594	2.3	20.7
3 12	10 58.69	+12 50.2	1.606	2.586	4.6	20.8
3 22	10 50.51	+13 31.3	1.633	2.578	8.8	21.0
4 1	10 43.94	+13 56.4	1.684	2.570	12.8	21.2
4 11	10 39.66	+14 3.8	1.757	2.562	16.2	21.4

274138 2008 FU_6 3 5.3 246°.59 6°.3/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 47.31	−11 38.9	1.202	1.972	23.0	20.7
2 11	11 39.91	−11 12.6	1.080	1.941	19.1	20.3
2 21	11 27.68	−10 1.3	0.975	1.906	14.0	19.8
3 2	11 10.93	− 7 57.6	0.893	1.866	8.4	19.4
3 12	10 51.16	− 5 3.4	0.840	1.822	6.9	19.1
3 22	10 30.84	− 1 34.9	0.815	1.773	13.1	19.3
4 1	10 12.81	+ 2 1.3	0.818	1.720	20.9	19.5
4 11	9 59.24	+ 5 19.6	0.842	1.662	28.2	19.7

39935 1998 FR_{85} 3 5.3 356°.89 1°.4/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.78	+ 4 11.6	1.590	2.439	14.6	18.2
2 11	11 19.48	+ 5 38.3	1.517	2.437	10.6	17.9
2 21	11 14.00	+ 7 22.8	1.468	2.436	6.1	17.6
3 2	11 7.03	+ 9 16.6	1.446	2.435	1.7	17.3
3 12	10 59.64	+11 8.7	1.451	2.435	4.3	17.5
3 22	10 52.90	+12 48.7	1.484	2.435	9.0	17.8
4 1	10 47.81	+14 8.7	1.541	2.435	13.2	18.0
4 11	10 45.03	+15 4.7	1.619	2.436	16.8	18.3

155590 2000 BZ_9 3 5.3 141°.75 0°.6/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.98	+ 2 5.0	1.488	2.321	16.2	20.8
2 11	11 25.60	+ 2 31.5	1.417	2.326	12.1	20.5
2 21	11 17.64	+ 3 14.8	1.369	2.331	7.3	20.3
3 2	11 7.96	+ 4 9.9	1.347	2.336	2.1	19.9
3 12	10 57.83	+ 5 8.9	1.352	2.340	3.4	20.0
3 22	10 48.55	+ 6 3.7	1.384	2.344	8.5	20.3
4 1	10 41.27	+ 6 47.5	1.441	2.347	13.1	20.6
4 11	10 36.71	+ 7 15.9	1.518	2.351	17.0	20.9

384212 2009 CB_{30} 3 5.3 114°.98 2°.4/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.47	+10 42.5	2.424	3.267	10.4	21.4
2 11	11 19.97	+11 53.9	2.359	3.277	7.5	21.2
2 21	11 13.95	+13 10.8	2.322	3.287	4.4	21.0
3 2	11 6.98	+14 27.3	2.313	3.297	2.4	20.9
3 12	10 59.79	+15 37.1	2.335	3.307	4.2	21.0
3 22	10 53.11	+16 35.1	2.386	3.317	7.2	21.2
4 1	10 47.60	+17 18.2	2.463	3.326	10.1	21.4
4 11	10 43.73	+17 44.9	2.563	3.335	12.5	21.6

82061 2000 WF_{49} 3 5.3 111°.81 15°.8/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 35.16	−24 38.4	1.236	1.952	25.1	18.7
2 11	11 29.71	−26 43.6	1.169	1.958	22.6	18.5
2 21	11 20.64	−28 11.7	1.117	1.964	19.8	18.3
3 2	11 8.83	−28 52.3	1.082	1.970	17.3	18.2
3 12	10 55.97	−28 41.0	1.067	1.976	15.9	18.1
3 22	10 44.02	−27 41.5	1.072	1.981	16.1	18.1
4 1	10 34.77	−26 5.7	1.097	1.986	17.8	18.2
4 11	10 29.34	−24 10.9	1.140	1.991	20.2	18.4

20685 1999 VX_{48} 3 5.3 6°.66 6°.9/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.73	−12 1.9	1.651	2.428	17.4	17.1
2 11	11 21.67	−12 39.1	1.572	2.429	14.4	16.9
2 21	11 15.32	−12 51.7	1.513	2.430	11.1	16.7
3 2	11 7.39	−12 38.2	1.477	2.432	8.1	16.5
3 12	10 58.95	−12 1.2	1.467	2.434	6.9	16.5
3 22	10 51.15	−11 6.5	1.482	2.437	8.5	16.6
4 1	10 45.04	−10 2.2	1.522	2.441	11.6	16.8
4 11	10 41.33	− 8 57.5	1.583	2.446	14.9	17.0

377847 2006 BF_{178} 3 5.3 250°.07 0°.4/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.87	+ 3 0.5	2.033	2.857	12.8	21.8
2 11	11 22.83	+ 3 17.6	1.945	2.850	9.6	21.5
2 21	11 15.83	+ 3 46.5	1.882	2.843	5.8	21.3
3 2	11 7.50	+ 4 23.5	1.847	2.836	1.7	21.0
3 12	10 58.74	+ 5 3.6	1.840	2.828	2.7	21.1
3 22	10 50.49	+ 5 41.4	1.863	2.820	6.9	21.3
4 1	10 43.63	+ 6 12.1	1.911	2.813	10.7	21.5
4 11	10 38.81	+ 6 32.2	1.983	2.805	14.0	21.7

109692 2001 RV_{35} 3 5.3 29°.46 2°.3/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.03	− 3 36.2	1.463	2.290	16.8	19.0
2 11	11 20.49	− 2 56.3	1.395	2.297	12.9	18.8
2 21	11 14.61	− 1 52.3	1.349	2.304	8.3	18.5
3 2	11 7.19	− 0 28.8	1.327	2.312	3.7	18.3
3 12	10 59.39	+ 1 5.2	1.332	2.320	3.3	18.3
3 22	10 52.37	+ 2 39.5	1.363	2.329	7.8	18.6
4 1	10 47.16	+ 4 4.2	1.419	2.338	12.3	18.8
4 11	10 44.42	+ 5 12.5	1.496	2.348	16.2	19.1

459269 2012 FR_{64} 3 5.3 50°.67 0°.6/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.89	− 0 3.8	1.581	2.415	15.5	21.5
2 11	11 20.98	+ 0 56.2	1.512	2.421	11.5	21.2
2 21	11 14.84	+ 2 16.4	1.466	2.428	7.0	21.0
3 2	11 7.25	+ 3 50.4	1.446	2.435	2.1	20.7
3 12	10 59.29	+ 5 28.8	1.453	2.442	3.1	20.8
3 22	10 52.06	+ 7 1.7	1.488	2.449	8.0	21.1
4 1	10 46.55	+ 8 20.8	1.548	2.456	12.3	21.3
4 11	10 43.39	+ 9 20.9	1.630	2.464	16.0	21.6

281602 2008 US_{184} 3 5.3 157°.09 0°.4/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.30	+ 2 27.0	2.264	3.084	11.9	21.2
2 11	11 21.43	+ 2 55.8	2.184	3.087	8.8	21.0
2 21	11 14.88	+ 3 35.8	2.130	3.090	5.3	20.8
3 2	11 7.24	+ 4 23.5	2.104	3.093	1.5	20.6
3 12	10 59.31	+ 5 13.6	2.108	3.095	2.5	20.6
3 22	10 51.88	+ 6 1.0	2.141	3.098	6.2	20.9
4 1	10 45.71	+ 6 41.2	2.201	3.100	9.6	21.1
4 11	10 41.32	+ 7 10.9	2.285	3.102	12.5	21.3

375031 2007 HM_{17} 3 5.4 274°.72 3°.2/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.16	+12 43.2	1.893	2.743	12.5	20.3
2 11	11 23.18	+13 31.5	1.816	2.736	9.2	20.1
2 21	11 16.09	+14 25.0	1.763	2.729	5.6	19.9
3 2	11 7.58	+15 17.0	1.738	2.721	3.2	19.7
3 12	10 58.65	+16 0.4	1.741	2.714	5.3	19.8
3 22	10 50.34	+16 29.8	1.772	2.707	9.0	20.0
4 1	10 43.59	+16 41.9	1.827	2.699	12.6	20.2
4 11	10 39.05	+16 36.2	1.904	2.692	15.7	20.4

127294 2002 JN_{79} 3 5.4 45°.22 2°.0/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.88	− 2 5.0	1.803	2.620	14.6	19.6
2 11	11 21.49	− 1 45.6	1.729	2.625	11.1	19.4
2 21	11 15.07	− 1 8.6	1.677	2.630	7.2	19.1
3 2	11 7.31	− 0 17.3	1.652	2.636	3.2	18.9
3 12	10 59.21	+ 0 42.4	1.654	2.642	3.0	18.9
3 22	10 51.75	+ 1 43.5	1.684	2.648	6.9	19.2
4 1	10 45.82	+ 2 39.4	1.740	2.654	10.8	19.4
4 11	10 42.05	+ 3 24.7	1.819	2.660	14.2	19.6

190297 1995 UL_{43} 3 5.4 251°.26 2°.0/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.53	+ 9 39.7	2.064	2.904	12.1	20.3
2 11	11 23.33	+10 16.8	1.977	2.893	8.8	20.1
2 21	11 16.15	+11 1.0	1.915	2.881	5.2	19.8
3 2	11 7.60	+11 47.0	1.882	2.870	2.1	19.6
3 12	10 58.61	+12 28.7	1.878	2.857	4.1	19.7
3 22	10 50.13	+13 0.8	1.902	2.845	7.9	19.9
4 1	10 43.06	+13 19.7	1.952	2.832	11.5	20.1
4 11	10 38.04	+13 23.5	2.024	2.820	14.7	20.3

473753 2016 EB_{18} 3 5.4 211°.26 5°.7/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.13	+23 4.6	2.497	3.339	10.2	22.2
2 11	11 24.26	+24 21.6	2.424	3.330	7.9	22.0
2 21	11 16.58	+25 35.8	2.378	3.321	6.1	21.9
3 2	11 7.70	+26 40.0	2.362	3.311	5.8	21.8
3 12	10 58.45	+27 28.0	2.375	3.301	7.4	21.9
3 22	10 49.71	+27 56.1	2.415	3.290	9.7	22.0
4 1	10 42.28	+28 3.2	2.480	3.277	12.1	22.2
4 11	10 36.74	+27 50.4	2.565	3.265	14.2	22.3

258112 2001 QZ_{227} 3 5.4 82°.10 4°.8/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.12	− 9 15.1	1.895	2.666	15.7	20.8
2 11	11 25.76	− 9 29.4	1.838	2.698	12.5	20.6
2 21	11 17.42	− 9 22.7	1.804	2.729	9.0	20.5
3 2	11 7.88	− 8 56.1	1.796	2.760	5.9	20.3
3 12	10 58.20	− 8 13.7	1.815	2.790	4.9	20.3
3 22	10 49.37	− 7 21.6	1.864	2.820	7.0	20.5
4 1	10 42.24	− 6 26.6	1.939	2.849	10.1	20.8
4 11	10 37.35	− 5 35.4	2.038	2.878	13.0	21.0

14903 1993 DF_{2} 3 5.4 307°.43 0°.9/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.88	+ 4 1.0	1.343	2.194	16.6	17.9
2 11	11 22.93	+ 4 56.1	1.268	2.188	12.3	17.7
2 21	11 16.26	+ 6 10.2	1.215	2.182	7.2	17.3
3 2	11 7.68	+ 7 36.0	1.186	2.176	1.8	17.0
3 12	10 58.48	+ 9 2.6	1.184	2.171	4.3	17.1
3 22	10 50.05	+10 19.5	1.208	2.165	9.8	17.4
4 1	10 43.66	+11 18.2	1.255	2.160	14.8	17.7
4 11	10 40.12	+11 54.3	1.321	2.155	18.9	17.9

341299 2007 RQ_{317} 3 5.4 135°.72 4°.9/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.83	−13 58.5	2.455	3.196	13.3	21.4
2 11	11 19.59	−13 45.5	2.367	3.201	11.0	21.3
2 21	11 13.79	−13 11.6	2.301	3.206	8.4	21.1
3 2	11 6.98	−12 17.5	2.261	3.211	6.0	21.0
3 12	10 59.88	−11 6.7	2.249	3.215	4.9	20.9
3 22	10 53.24	− 9 44.6	2.266	3.219	6.1	21.0
4 1	10 47.72	− 8 17.7	2.311	3.224	8.6	21.1
4 11	10 43.84	− 6 53.0	2.381	3.227	11.1	21.3

170307 2003 SN_{33} 3 5.4 237°.83 1°.6/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.35	+ 7 32.2	1.872	2.709	13.3	21.4
2 11	11 24.91	+ 8 16.0	1.782	2.696	9.7	21.1
2 21	11 17.20	+ 9 10.3	1.716	2.681	5.7	20.9
3 2	11 7.90	+10 9.5	1.678	2.667	1.8	20.6
3 12	10 58.02	+11 6.2	1.669	2.651	4.1	20.7
3 22	10 48.67	+11 53.8	1.688	2.635	8.4	20.9
4 1	10 40.87	+12 27.2	1.734	2.619	12.5	21.1
4 11	10 35.38	+12 43.9	1.801	2.601	16.0	21.3

210580 1999 VN_{74} 3 5.4 256°.43 2°.1/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.03	+11 44.1	2.602	3.441	9.9	21.0
2 11	11 21.14	+12 20.5	2.514	3.429	7.2	20.8
2 21	11 14.69	+13 1.1	2.452	3.417	4.3	20.6
3 2	11 7.22	+13 41.4	2.420	3.405	2.2	20.4
3 12	10 59.42	+14 16.7	2.417	3.392	3.8	20.5
3 22	10 52.01	+14 43.0	2.444	3.380	6.8	20.7
4 1	10 45.70	+14 57.8	2.498	3.367	9.8	20.9
4 11	10 40.98	+14 59.7	2.574	3.354	12.3	21.0

147614 2004 HX_{3} 3 5.4 233°.00 4°.1/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.76	+14 43.4	2.090	2.939	11.6	20.5
2 11	11 22.79	+16 0.5	2.010	2.929	8.5	20.2
2 21	11 15.84	+17 22.4	1.955	2.918	5.4	20.0
3 2	11 7.54	+18 41.3	1.930	2.906	4.1	19.9
3 12	10 58.78	+19 49.4	1.933	2.894	6.1	20.0
3 22	10 50.54	+20 40.8	1.964	2.882	9.4	20.2
4 1	10 43.69	+21 12.0	2.021	2.869	12.6	20.4
4 11	10 38.90	+21 22.5	2.098	2.855	15.4	20.5

334919 2003 YD_{92} 3 5.4 95°.56 1°.4/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.51	+ 0 31.1	2.169	2.980	12.6	20.9
2 11	11 23.05	+ 0 35.7	2.097	2.993	9.5	20.7
2 21	11 15.83	+ 0 52.2	2.050	3.005	5.9	20.5
3 2	11 7.51	+ 1 17.9	2.031	3.017	2.3	20.3
3 12	10 58.94	+ 1 48.6	2.041	3.029	2.5	20.3
3 22	10 50.98	+ 2 19.7	2.081	3.041	6.1	20.6
4 1	10 44.40	+ 2 46.9	2.148	3.053	9.5	20.8
4 11	10 39.71	+ 3 6.7	2.239	3.064	12.5	21.0

64194 2001 TD_{72} 3 5.4 337°.37 3°.0/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.86	+ 8 38.8	1.261	2.127	16.5	18.3
2 11	11 23.04	+ 9 44.0	1.193	2.121	12.1	18.0
2 21	11 16.37	+11 3.4	1.147	2.117	7.1	17.7
3 2	11 7.72	+12 27.3	1.125	2.112	3.0	17.5
3 12	10 58.48	+13 44.0	1.128	2.109	6.0	17.7
3 22	10 50.12	+14 43.3	1.156	2.105	11.2	17.9
4 1	10 43.94	+15 18.9	1.206	2.102	16.0	18.2
4 11	10 40.74	+15 29.0	1.275	2.100	20.0	18.4

452726 2006 AN_{36} 3 5.4 115°.75 0°.5/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.02	+ 2 5.5	1.676	2.499	15.2	22.4
2 11	11 26.70	+ 2 32.7	1.615	2.519	11.3	22.1
2 21	11 18.11	+ 3 14.4	1.578	2.538	6.8	21.9
3 2	11 8.10	+ 4 5.6	1.567	2.556	2.0	21.6
3 12	10 57.84	+ 4 59.4	1.586	2.573	3.1	21.8
3 22	10 48.50	+ 5 48.8	1.632	2.590	7.7	22.1
4 1	10 41.05	+ 6 28.4	1.705	2.606	11.8	22.4
4 11	10 36.08	+ 6 54.6	1.800	2.621	15.2	22.6

199481 2006 DO_{74} 3 5.4 152°.54 1°.3/ 3.9 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.76	+ 7 2.0	2.192	3.026	11.7	21.1
2 11	11 21.82	+ 7 51.2	2.118	3.031	8.5	20.9
2 21	11 15.14	+ 8 49.2	2.071	3.036	4.9	20.7
3 2	11 7.35	+ 9 50.6	2.052	3.040	1.5	20.5
3 12	10 59.27	+10 49.3	2.062	3.045	3.4	20.6
3 22	10 51.75	+11 39.9	2.102	3.048	7.1	20.9
4 1	10 45.54	+12 18.2	2.168	3.052	10.4	21.1
4 11	10 41.18	+12 42.0	2.257	3.055	13.3	21.3

386190 2007 VD_{142} 3 5.4 167°.34 0°.6/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.56	+ 5 54.8	2.809	3.632	9.7	22.3
2 11	11 20.61	+ 6 33.3	2.729	3.636	7.1	22.1
2 21	11 14.30	+ 7 19.2	2.677	3.640	4.1	21.9
3 2	11 7.12	+ 8 8.5	2.654	3.643	1.0	21.7
3 12	10 59.72	+ 8 57.0	2.662	3.646	2.5	21.8
3 22	10 52.73	+ 9 40.6	2.700	3.649	5.6	22.0
4 1	10 46.74	+10 15.9	2.767	3.651	8.4	22.2
4 11	10 42.21	+10 40.9	2.858	3.652	10.8	22.4

93397 2000 SH_{287} 3 5.4 181°.39 4°.2/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.39	− 9 41.7	2.495	3.252	12.7	20.4
2 11	11 22.91	− 9 49.7	2.403	3.253	10.3	20.2
2 21	11 15.77	− 9 40.9	2.334	3.253	7.6	20.0
3 2	11 7.52	− 9 15.7	2.292	3.253	5.1	19.9
3 12	10 58.91	− 8 36.7	2.280	3.253	4.3	19.8
3 22	10 50.73	− 7 48.1	2.297	3.251	6.0	19.9
4 1	10 43.71	− 6 55.3	2.343	3.250	8.7	20.1
4 11	10 38.41	− 6 3.8	2.413	3.247	11.4	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
23036 1999 XF_{18}			3 5.4 246°.64	1°.4/ 4.4 18		
	h m	° ′			°	m
2 1	11 32.14	+ 6 42.2	1.497	2.341	15.6	18.1
2 11	11 26.72	+ 7 17.7	1.412	2.328	11.6	17.8
2 21	11 18.52	+ 8 6.4	1.349	2.315	6.8	17.5
3 2	11 8.30	+ 9 2.1	1.313	2.302	1.9	17.1
3 12	10 57.34	+ 9 56.3	1.303	2.288	4.4	17.3
3 22	10 47.05	+10 40.8	1.321	2.274	9.7	17.5
4 1	10 38.74	+11 9.6	1.363	2.259	14.5	17.8
4 11	10 33.30	+11 19.9	1.425	2.243	18.6	18.0
144463 2004 EA_{48}			3 5.4 259°.81	0°.5/ 4.7 17		
2 1	11 23.09	+ 3 18.3	2.358	3.186	11.2	20.1
2 11	11 19.14	+ 4 26.9	2.267	3.176	8.2	19.9
2 21	11 13.60	+ 5 48.4	2.202	3.166	4.8	19.6
3 2	11 6.98	+ 7 17.9	2.166	3.156	1.2	19.3
3 12	10 59.99	+ 8 48.5	2.161	3.146	2.9	19.5
3 22	10 53.39	+10 13.7	2.185	3.136	6.5	19.7
4 1	10 47.90	+11 27.7	2.237	3.125	9.9	19.9
4 11	10 44.05	+12 26.5	2.312	3.115	12.8	20.0
150292 1999 TJ_{162}			3 5.4 138°.02	1°.1/ 6.4 18		
2 1	11 29.91	− 1 2.8	1.555	2.378	16.2	20.6
2 11	11 24.71	− 0 13.5	1.486	2.388	12.2	20.4
2 21	11 17.09	+ 0 56.7	1.439	2.397	7.5	20.1
3 2	11 7.88	+ 2 22.0	1.419	2.406	2.6	19.8
3 12	10 58.28	+ 3 53.5	1.426	2.415	3.2	19.9
3 22	10 49.50	+ 5 21.4	1.462	2.423	8.1	20.2
4 1	10 42.61	+ 6 37.2	1.523	2.430	12.5	20.5
4 11	10 38.29	+ 7 35.4	1.606	2.436	16.3	20.7
239795 1273 T_{-2}			3 5.4 222°.21	0°.6/ 4.8 17		
2 1	11 31.57	+ 5 13.5	1.907	2.735	13.4	21.6
2 11	11 25.75	+ 5 47.7	1.816	2.725	9.9	21.3
2 21	11 17.69	+ 6 33.7	1.750	2.713	5.9	21.0
3 2	11 8.06	+ 7 26.6	1.712	2.701	1.5	20.7
3 12	10 57.86	+ 8 19.9	1.703	2.688	3.4	20.8
3 22	10 48.20	+ 9 7.1	1.723	2.675	7.9	21.1
4 1	10 40.09	+ 9 43.0	1.769	2.660	12.0	21.3
4 11	10 34.28	+10 4.3	1.838	2.645	15.5	21.5
83335 2001 RE_{132}			3 5.4 89°.61	1°.8/ 3.5 18		
2 1	11 27.33	+ 9 48.1	2.308	3.145	11.0	19.9
2 11	11 22.06	+10 25.2	2.247	3.162	8.0	19.7
2 21	11 15.19	+11 7.5	2.213	3.178	4.6	19.5
3 2	11 7.36	+11 50.1	2.207	3.194	1.8	19.4
3 12	10 59.35	+12 27.9	2.231	3.210	3.6	19.5
3 22	10 51.97	+12 56.7	2.284	3.226	6.9	19.7
4 1	10 45.88	+13 14.0	2.364	3.242	9.9	20.0
4 11	10 41.57	+13 18.5	2.467	3.257	12.5	20.2
488987 2005 UA_{367}			3 5.4 259°.50	4°.5/ 1.8 17		
2 1	11 30.42	+13 0.4	1.421	2.282	15.3	21.8
2 11	11 25.52	+14 11.1	1.348	2.273	11.2	21.5
2 21	11 17.80	+15 30.2	1.298	2.264	7.0	21.3
3 2	11 8.12	+16 47.4	1.273	2.255	4.5	21.1
3 12	10 57.80	+17 51.8	1.275	2.246	7.2	21.2
3 22	10 48.28	+18 35.0	1.302	2.236	11.7	21.4
4 1	10 40.86	+18 53.0	1.352	2.227	16.0	21.7
4 11	10 36.37	+18 45.8	1.420	2.217	19.7	21.9
137219 1999 PX_{2}			3 5.4 149°.11	1°.2/ 6.4 18		
2 1	11 32.65	+ 0 5.1	1.648	2.466	15.6	20.7
2 11	11 26.61	+ 0 31.6	1.576	2.476	11.8	20.5
2 21	11 18.18	+ 1 15.4	1.528	2.485	7.3	20.2
3 2	11 8.17	+ 2 12.1	1.506	2.494	2.5	20.0
3 12	10 57.76	+ 3 14.7	1.513	2.501	3.1	20.0
3 22	10 48.18	+ 4 15.3	1.549	2.508	7.8	20.3
4 1	10 40.47	+ 5 7.2	1.610	2.514	12.1	20.6
4 11	10 35.31	+ 5 45.6	1.693	2.520	15.8	20.8
258636 2002 EU_{31}			3 5.4 350°.74	1°.9/ 4.0 15		
2 1	11 24.93	+ 6 25.9	1.171	2.039	17.4	20.8
2 11	11 21.76	+ 7 16.1	1.104	2.033	12.8	20.5
2 21	11 15.69	+ 8 23.5	1.058	2.028	7.4	20.2
3 2	11 7.58	+ 9 39.3	1.035	2.024	2.2	19.9
3 12	10 58.88	+10 52.1	1.036	2.021	5.2	20.0
3 22	10 51.08	+11 51.2	1.062	2.019	10.8	20.3
4 1	10 45.51	+12 29.3	1.109	2.018	15.9	20.6
4 11	10 43.00	+12 43.2	1.174	2.019	20.2	20.9
34956 1327 T_{-2}			3 5.4 236°.65	0°.1/ 5.2 18		
2 1	11 25.41	+ 4 14.5	2.875	3.692	9.7	20.1
2 11	11 20.58	+ 4 45.2	2.775	3.678	7.2	19.9
2 21	11 14.36	+ 5 24.3	2.702	3.663	4.2	19.7
3 2	11 7.18	+ 6 8.6	2.658	3.647	1.1	19.4
3 12	10 59.67	+ 6 54.2	2.645	3.632	2.2	19.5
3 22	10 52.46	+ 7 37.0	2.663	3.615	5.4	19.7
4 1	10 46.19	+ 8 13.4	2.709	3.598	8.4	19.8
4 11	10 41.33	+ 8 40.7	2.779	3.581	10.9	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
470453 2007 YA_{39}			3 5.4 242°.64	4°.6/28.7 17		
	h m	° ′			°	m
2 1	11 25.55	+18 48.8	2.404	3.255	10.2	21.1
2 11	11 20.91	+19 56.9	2.335	3.251	7.6	20.9
2 21	11 14.62	+21 5.0	2.292	3.248	5.3	20.8
3 2	11 7.24	+22 6.6	2.277	3.244	4.6	20.7
3 12	10 59.57	+22 55.5	2.292	3.240	6.3	20.8
3 22	10 52.41	+23 27.8	2.334	3.236	8.8	21.0
4 1	10 46.48	+23 41.7	2.401	3.232	11.4	21.2
4 11	10 42.30	+23 37.2	2.489	3.228	13.7	21.3
131821 2002 AG_{95}			3 5.4 319°.28	3°.0/ 3.1 18		
2 1	11 27.58	+ 9 22.4	1.311	2.175	16.2	19.5
2 11	11 23.58	+10 16.5	1.237	2.165	11.8	19.3
2 21	11 16.73	+11 23.2	1.185	2.155	7.0	19.0
3 2	11 7.88	+12 33.7	1.158	2.145	3.0	18.7
3 12	10 58.36	+13 37.3	1.156	2.136	5.9	18.8
3 22	10 49.64	+14 24.7	1.179	2.128	11.0	19.1
4 1	10 43.05	+14 50.2	1.224	2.119	15.8	19.3
4 11	10 39.42	+14 51.9	1.287	2.112	19.9	19.6
1684 Iguassú			3 5.4 277°.53	1°.5/ 3.8 18		A
2 1	11 25.03	+ 8 5.3	2.292	3.131	11.1	16.0
2 11	11 20.62	+ 8 48.9	2.203	3.118	8.1	15.8
2 21	11 14.51	+ 9 40.6	2.140	3.106	4.7	15.5
3 2	11 7.25	+10 35.6	2.106	3.094	1.6	15.3
3 12	10 59.60	+11 28.1	2.100	3.082	3.5	15.4
3 22	10 52.38	+12 13.0	2.124	3.069	7.1	15.6
4 1	10 46.35	+12 46.2	2.174	3.057	10.4	15.8
4 11	10 42.07	+13 5.4	2.247	3.045	13.3	15.9
506372 2017 QB_{25}			3 5.4 161°.78	1°.6/ 3.3 17		
2 1	11 25.75	+ 9 41.8	2.890	3.722	9.2	22.3
2 11	11 20.72	+10 26.9	2.816	3.728	6.7	22.1
2 21	11 14.37	+11 16.8	2.769	3.733	3.9	21.9
3 2	11 7.18	+12 7.3	2.752	3.738	1.6	21.8
3 12	10 59.79	+12 54.0	2.765	3.743	3.2	21.9
3 22	10 52.81	+13 33.2	2.809	3.747	6.0	22.1
4 1	10 46.83	+14 2.0	2.881	3.751	8.6	22.3
4 11	10 42.28	+14 19.2	2.977	3.754	10.9	22.4
210777 2001 BU_{24}			3 5.4 29°.93	0°.4/ 5.1 18		
2 1	11 26.07	+ 3 23.4	1.216	2.073	17.6	19.9
2 11	11 22.32	+ 4 6.7	1.161	2.083	13.0	19.7
2 21	11 15.85	+ 5 8.7	1.126	2.093	7.6	19.4
3 2	11 7.61	+ 6 21.7	1.114	2.104	1.9	19.1
3 12	10 59.00	+ 7 35.1	1.129	2.116	4.0	19.3
3 22	10 51.43	+ 8 38.9	1.168	2.129	9.5	19.6
4 1	10 46.04	+ 9 25.7	1.229	2.143	14.4	19.9
4 11	10 43.52	+ 9 51.8	1.310	2.157	18.4	20.2
135362 2001 TF_{121}			3 5.4 131°.79	3°.9/ 9.9 18		
2 1	11 26.45	− 8 57.4	2.592	3.355	12.1	19.7
2 11	11 21.40	− 9 6.2	2.509	3.363	9.8	19.6
2 21	11 14.85	− 8 59.3	2.449	3.371	7.1	19.4
3 2	11 7.32	− 8 37.5	2.416	3.379	4.7	19.3
3 12	10 59.52	− 8 3.5	2.412	3.386	3.9	19.2
3 22	10 52.16	− 7 21.2	2.438	3.393	5.6	19.3
4 1	10 45.91	− 6 35.4	2.491	3.400	8.2	19.5
4 11	10 41.25	− 5 50.9	2.570	3.407	10.7	19.7
365852 2011 UK_{106}			3 5.4 31°.06	2°.2/ 3.7 18		
2 1	11 26.84	+ 7 19.8	1.216	2.081	17.1	20.5
2 11	11 22.89	+ 8 14.8	1.163	2.090	12.4	20.3
2 21	11 16.19	+ 9 23.7	1.131	2.101	7.1	20.0
3 2	11 7.70	+10 37.2	1.123	2.112	2.4	19.7
3 12	10 58.87	+11 44.3	1.140	2.124	5.2	20.0
3 22	10 51.11	+12 36.0	1.182	2.136	10.4	20.3
4 1	10 45.58	+13 6.6	1.246	2.149	15.0	20.6
4 11	10 42.95	+13 14.8	1.329	2.163	18.9	20.9
337385 2001 QQ_{118}			3 5.4 133°.41	1°.7/ 7.5 17		
2 1	11 26.74	− 1 59.6	2.796	3.589	10.6	21.2
2 11	11 21.46	− 1 50.4	2.719	3.601	8.1	21.0
2 21	11 14.81	− 1 30.1	2.666	3.613	5.2	20.9
3 2	11 7.30	− 1 0.8	2.643	3.625	2.5	20.7
3 12	10 59.60	− 0 25.8	2.651	3.637	2.3	20.7
3 22	10 52.34	+ 0 11.0	2.688	3.648	4.9	20.9
4 1	10 46.12	+ 0 46.0	2.755	3.658	7.7	21.1
4 11	10 41.37	+ 1 15.8	2.847	3.668	10.2	21.2
299567 2006 DU_{203}			3 5.4 286°.44	5°.2/ 1.6 18		
2 1	11 31.44	+15 31.3	1.437	2.298	15.1	20.1
2 11	11 26.26	+16 28.6	1.365	2.289	11.2	19.9
2 21	11 18.24	+17 30.0	1.316	2.280	7.2	19.6
3 2	11 8.27	+18 25.7	1.292	2.271	5.2	19.5
3 12	10 57.69	+19 6.0	1.295	2.262	7.6	19.6
3 22	10 47.98	+19 24.2	1.323	2.254	11.8	19.8
4 1	10 40.40	+19 18.0	1.374	2.245	16.0	20.0
4 11	10 35.78	+18 48.4	1.442	2.237	19.6	20.2

347329 2011 SZ_{263} 3 5.4 323°.22 0°.1/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.35	+ 4 26.9	2.289	3.117	11.5	20.9
2 11	11 20.79	+ 4 51.3	2.207	3.115	8.5	20.7
2 21	11 14.57	+ 5 25.2	2.150	3.112	5.0	20.4
3 2	11 7.27	+ 6 4.9	2.121	3.110	1.3	20.2
3 12	10 59.66	+ 6 45.7	2.122	3.108	2.6	20.3
3 22	10 52.52	+ 7 22.8	2.151	3.106	6.3	20.5
4 1	10 46.59	+ 7 52.2	2.208	3.105	9.6	20.7
4 11	10 42.40	+ 8 11.1	2.287	3.103	12.6	20.9

150955 2001 TT_{131} 3 5.4 69°.10 0°.9/ 4.3 18

2 1	11 25.67	+ 1 1.8	1.638	2.471	15.0	19.8
2 11	11 21.38	+ 3 3.2	1.583	2.495	10.9	19.6
2 21	11 15.01	+ 5 23.5	1.555	2.520	6.2	19.3
3 2	11 7.37	+ 7 52.5	1.554	2.544	1.5	19.1
3 12	10 59.53	+10 17.5	1.584	2.568	3.9	19.3
3 22	10 52.51	+12 27.0	1.643	2.592	8.4	19.6
4 1	10 47.17	+14 13.2	1.728	2.616	12.4	19.9
4 11	10 44.08	+15 32.7	1.835	2.640	15.6	20.2

306466 1999 RZ_{83} 3 5.4 116°.01 0°.9/ 4.6 18

2 1	11 30.28	+ 5 15.3	1.814	2.646	13.8	20.9
2 11	11 24.62	+ 6 3.0	1.752	2.663	10.1	20.7
2 21	11 16.88	+ 7 2.1	1.715	2.679	5.8	20.5
3 2	11 7.85	+ 8 6.5	1.706	2.695	1.5	20.2
3 12	10 58.59	+ 9 8.8	1.725	2.710	3.5	20.4
3 22	10 50.11	+10 2.5	1.774	2.725	7.7	20.7
4 1	10 43.32	+10 42.7	1.848	2.739	11.5	20.9
4 11	10 38.78	+11 7.2	1.944	2.752	14.7	21.2

98413 2000 UO_{16} 3 5.4 152°.58 1°.4/ 4.3 18

2 1	11 32.94	+ 7 57.9	1.807	2.642	13.7	19.2
2 11	11 26.66	+ 8 26.2	1.737	2.649	10.0	19.0
2 21	11 18.16	+ 9 2.8	1.691	2.656	5.8	18.7
3 2	11 8.20	+ 9 42.4	1.673	2.662	1.7	18.5
3 12	10 57.91	+10 18.4	1.684	2.667	3.9	18.6
3 22	10 48.40	+10 45.5	1.723	2.672	8.1	18.9
4 1	10 40.64	+11 0.1	1.789	2.676	12.0	19.1
4 11	10 35.27	+11 0.5	1.876	2.680	15.3	19.4

160574 1999 EH_{11} 3 5.4 333°.78 0°.9/ 4.7 18

2 1	11 25.56	+ 3 56.3	1.269	2.125	17.1	19.8
2 11	11 22.11	+ 4 49.6	1.196	2.118	12.6	19.5
2 21	11 15.87	+ 6 2.9	1.144	2.112	7.4	19.2
3 2	11 7.68	+ 7 28.5	1.116	2.106	1.8	18.8
3 12	10 58.86	+ 8 55.4	1.114	2.100	4.4	18.9
3 22	10 50.83	+10 12.3	1.136	2.095	10.1	19.2
4 1	10 44.89	+11 10.5	1.182	2.091	15.1	19.5
4 11	10 41.87	+11 45.3	1.246	2.087	19.4	19.8

6106 Stoss 3 5.4 200°.52 0°.6/ 4.6 18

2 1	11 24.70	+ 5 52.4	2.863	3.687	9.5	18.5
2 11	11 20.03	+ 6 29.9	2.776	3.683	7.0	18.4
2 21	11 14.02	+ 7 14.7	2.716	3.680	4.0	18.2
3 2	11 7.13	+ 8 3.4	2.686	3.676	1.0	17.9
3 12	10 59.98	+ 8 51.5	2.687	3.671	2.5	18.0
3 22	10 53.19	+ 9 35.1	2.717	3.666	5.5	18.2
4 1	10 47.35	+10 10.8	2.776	3.661	8.3	18.4
4 11	10 42.93	+10 36.3	2.859	3.656	10.8	18.6

86489 2000 DU_{9} 3 5.4 142°.83 0°.2/ 5.6 18

2 1	11 32.37	+ 2 41.0	1.691	2.517	15.0	20.1
2 11	11 26.36	+ 3 13.5	1.622	2.528	11.1	19.9
2 21	11 18.02	+ 4 0.5	1.577	2.538	6.6	19.6
3 2	11 8.18	+ 4 56.9	1.559	2.548	1.8	19.3
3 12	10 57.99	+ 5 55.3	1.569	2.557	3.2	19.4
3 22	10 48.61	+ 6 48.7	1.608	2.565	7.9	19.7
4 1	10 41.07	+ 7 31.2	1.673	2.572	12.1	20.0
4 11	10 36.00	+ 7 59.3	1.760	2.579	15.6	20.2

214243 2005 EM_{215} 3 5.4 280°.39 1°.0/ 6.1 17

2 1	11 30.69	+ 2 26.3	1.605	2.435	15.4	20.3
2 11	11 25.50	+ 2 27.1	1.516	2.423	11.6	20.0
2 21	11 17.75	+ 2 41.9	1.450	2.411	7.2	19.7
3 2	11 8.17	+ 3 7.7	1.410	2.398	2.4	19.4
3 12	10 57.91	+ 3 38.9	1.398	2.386	3.2	19.4
3 22	10 48.26	+ 4 9.3	1.412	2.373	8.2	19.7
4 1	10 40.40	+ 4 33.1	1.452	2.361	12.9	19.9
4 11	10 35.17	+ 4 46.0	1.513	2.349	16.9	20.1

308354 2005 QW_{85} 3 5.4 159°.15 0°.9/ 4.3 18

2 1	11 28.05	+ 6 10.4	2.594	3.416	10.5	22.2
2 11	11 22.53	+ 7 1.2	2.519	3.426	7.6	22.0
2 21	11 15.50	+ 8 0.0	2.471	3.434	4.4	21.8
3 2	11 7.51	+ 9 2.3	2.453	3.442	1.2	21.6
3 12	10 59.28	+10 2.7	2.466	3.449	2.9	21.7
3 22	10 51.54	+10 56.4	2.509	3.455	6.1	22.0
4 1	10 44.94	+11 39.7	2.581	3.460	9.1	22.2
4 11	10 39.97	+12 10.5	2.677	3.464	11.7	22.3

422630 2036 $P–L$ 3 5.4 116°.76 1°.3/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.37	− 0 50.8	2.141	2.947	13.0	21.5
2 11	11 23.67	− 0 20.3	2.075	2.967	9.7	21.3
2 21	11 16.22	+ 0 24.3	2.034	2.987	6.1	21.1
3 2	11 7.69	+ 1 19.1	2.021	3.007	2.3	20.9
3 12	10 58.96	+ 2 18.7	2.038	3.026	2.5	20.9
3 22	10 50.90	+ 3 17.2	2.085	3.044	6.1	21.2
4 1	10 44.25	+ 4 9.3	2.159	3.061	9.6	21.4
4 11	10 39.54	+ 4 51.0	2.258	3.078	12.5	21.7

522704 2016 LX_{59} 3 5.4 201°.61 2°.0/ 7.9 17

2 1	11 24.85	− 3 52.0	2.791	3.579	10.7	22.6
2 11	11 20.20	− 3 29.2	2.696	3.575	8.3	22.4
2 21	11 14.15	− 2 53.1	2.627	3.570	5.5	22.2
3 2	11 7.18	− 2 6.0	2.585	3.565	2.8	22.0
3 12	10 59.91	− 1 11.5	2.575	3.560	2.4	22.0
3 22	10 52.99	− 0 14.1	2.594	3.554	5.0	22.1
4 1	10 47.03	+ 0 41.7	2.642	3.548	7.9	22.3
4 11	10 42.52	+ 1 31.6	2.716	3.541	10.5	22.5

8149 Ruff 3 5.4 286°.09 4°.9/ 1.3 18

2 1	11 29.26	+14 10.3	1.463	2.325	14.8	16.9
2 11	11 24.72	+15 22.4	1.383	2.309	11.0	16.6
2 21	11 17.41	+16 42.1	1.327	2.293	7.0	16.3
3 2	11 8.10	+17 59.2	1.297	2.276	5.0	16.2
3 12	10 58.08	+19 2.9	1.292	2.260	7.6	16.3
3 22	10 48.75	+19 44.8	1.314	2.244	11.9	16.5
4 1	10 41.42	+20 0.6	1.357	2.228	16.2	16.7
4 11	10 36.95	+19 50.5	1.418	2.212	19.9	16.9

490146 2008 UW_{157} 3 5.4 121°.30 4°.6/11.6 16

2 1	11 26.14	−13 41.6	2.648	3.382	12.6	22.9
2 11	11 21.13	−13 30.7	2.570	3.400	10.4	22.8
2 21	11 14.66	−13 0.8	2.515	3.418	7.9	22.6
3 2	11 7.30	−12 12.9	2.487	3.436	5.6	22.5
3 12	10 59.73	−11 10.2	2.487	3.452	4.6	22.5
3 22	10 52.65	− 9 57.8	2.517	3.469	5.8	22.6
4 1	10 46.69	− 8 41.4	2.576	3.484	8.0	22.7
4 11	10 42.30	− 7 26.9	2.661	3.500	10.3	22.9

24001 1999 RK_{34} 3 5.4 165°.93 1°.3/ 6.7 18

2 1	11 28.02	− 1 23.9	1.901	2.714	14.1	19.4
2 11	11 23.04	− 0 42.5	1.822	2.718	10.7	19.1
2 21	11 16.04	+ 0 16.6	1.766	2.721	6.7	18.9
3 2	11 7.69	+ 1 29.1	1.738	2.724	2.5	18.7
3 12	10 58.96	+ 2 48.2	1.739	2.727	2.7	18.7
3 22	10 50.84	+ 4 6.3	1.768	2.729	6.9	18.9
4 1	10 44.21	+ 5 16.3	1.825	2.730	10.9	19.2
4 11	10 39.73	+ 6 13.0	1.905	2.731	14.3	19.4

135217 2001 RH_{88} 3 5.4 154°.66 2°.6/ 2.5 18

2 1	11 28.23	+13 36.4	2.523	3.362	10.2	20.2
2 11	11 22.71	+14 11.4	2.452	3.367	7.4	20.0
2 21	11 15.63	+14 48.7	2.407	3.371	4.5	19.8
3 2	11 7.56	+15 23.4	2.392	3.375	2.6	19.7
3 12	10 59.26	+15 51.1	2.407	3.378	4.2	19.8
3 22	10 51.49	+16 8.3	2.451	3.382	7.1	20.0
4 1	10 44.94	+16 13.1	2.522	3.385	9.9	20.2
4 11	10 40.09	+16 4.9	2.616	3.388	12.3	20.4

34670 2000 YL_{11} 3 5.4 28°.79 7°.0/24.7 18

2 1	11 24.22	+24 33.4	2.192	3.048	10.8	17.4
2 11	11 20.18	+26 32.4	2.141	3.051	8.5	17.3
2 21	11 14.31	+28 27.0	2.117	3.054	7.1	17.2
3 2	11 7.24	+30 8.0	2.121	3.057	7.3	17.2
3 12	10 59.85	+31 27.8	2.153	3.061	9.0	17.3
3 22	10 53.03	+32 22.1	2.210	3.064	11.3	17.5
4 1	10 47.59	+32 49.6	2.290	3.068	13.6	17.6
4 11	10 44.09	+32 52.3	2.387	3.071	15.5	17.8

19781 2000 QK_{68} 3 5.4 251°.61 0°.2/ 5.1 18

2 1	11 27.06	+ 3 38.3	2.097	2.924	12.4	19.2
2 11	11 22.33	+ 4 21.2	2.001	2.908	9.2	18.9
2 21	11 15.66	+ 5 17.1	1.929	2.892	5.5	18.7
3 2	11 7.62	+ 6 21.5	1.885	2.875	1.4	18.4
3 12	10 59.07	+ 7 28.2	1.871	2.858	3.0	18.4
3 22	10 50.93	+ 8 30.5	1.886	2.840	7.1	18.7
4 1	10 44.09	+ 9 22.9	1.928	2.822	11.0	18.9
4 11	10 39.22	+10 1.3	1.992	2.803	14.3	19.0

162055 1996 VA_{3} 3 5.4 194°.12 0°.2/ 5.6 17

2 1	11 30.28	+ 2 51.0	2.027	2.847	13.1	21.6
2 11	11 24.64	+ 3 23.4	1.942	2.845	9.7	21.3
2 21	11 16.97	+ 4 8.5	1.882	2.842	5.8	21.1
3 2	11 7.94	+ 5 2.1	1.850	2.839	1.6	20.8
3 12	10 58.48	+ 5 58.2	1.847	2.835	2.8	20.9
3 22	10 49.57	+ 6 50.7	1.874	2.830	7.1	21.1
4 1	10 42.12	+ 7 34.2	1.928	2.824	10.9	21.4
4 11	10 36.77	+ 8 5.2	2.005	2.818	14.2	21.6

198209 2004 TE_{160} 3 5.4 255°.27 4°.9/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.64	−11 36.9	2.182	2.942	14.2	20.5
2 11	11 21.27	−11 29.9	2.077	2.927	11.7	20.3
2 21	11 15.03	−11 1.0	1.994	2.912	8.8	20.1
3 2	11 7.46	−10 10.4	1.936	2.896	6.0	19.9
3 12	10 59.37	− 9 1.3	1.907	2.880	4.9	19.8
3 22	10 51.64	− 7 39.4	1.906	2.863	6.8	19.9
4 1	10 45.14	− 6 12.3	1.932	2.847	9.8	20.0
4 11	10 40.54	− 4 47.6	1.983	2.830	13.0	20.2

313649 2003 SP_{128} 3 5.4 174°.81 0°.9/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.12	− 0 0.1	2.148	2.957	12.8	21.9
2 11	11 23.65	+ 0 39.4	2.065	2.961	9.6	21.7
2 21	11 16.32	+ 1 33.5	2.007	2.964	5.9	21.4
3 2	11 7.76	+ 2 38.3	1.978	2.965	2.0	21.2
3 12	10 58.85	+ 3 47.7	1.979	2.967	2.5	21.2
3 22	10 50.48	+ 4 55.4	2.009	2.967	6.5	21.5
4 1	10 43.47	+ 5 55.5	2.068	2.967	10.1	21.7
4 11	10 38.41	+ 6 43.8	2.150	2.965	13.2	21.9

51201 2000 JG_{6} 3 5.4 106°.72 5°.0/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.22	−12 13.4	1.941	2.703	15.7	19.2
2 11	11 22.37	−11 54.5	1.869	2.720	12.7	19.0
2 21	11 15.59	−11 10.9	1.817	2.736	9.4	18.8
3 2	11 7.57	−10 4.2	1.792	2.752	6.3	18.6
3 12	10 59.28	− 8 39.6	1.794	2.768	5.0	18.6
3 22	10 51.66	− 7 4.8	1.824	2.783	6.9	18.7
4 1	10 45.54	− 5 28.6	1.882	2.798	10.0	19.0
4 11	10 41.50	− 3 58.8	1.964	2.812	13.0	19.2

467889 2011 FJ_{45} 3 5.4 263°.35 1°.8/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.00	+ 9 8.7	1.961	2.803	12.5	21.5
2 11	11 23.00	+ 9 44.6	1.885	2.802	9.1	21.3
2 21	11 16.00	+10 27.9	1.833	2.800	5.3	21.1
3 2	11 7.70	+11 13.2	1.810	2.798	2.0	20.9
3 12	10 59.03	+11 54.2	1.815	2.796	4.0	21.0
3 22	10 50.97	+12 25.7	1.848	2.794	7.9	21.2
4 1	10 44.39	+12 44.0	1.907	2.792	11.5	21.4
4 11	10 39.91	+12 47.4	1.988	2.790	14.6	21.6

413967 2007 CM_{38} 3 5.4 57°.51 0°.7/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.86	+ 1 50.9	1.547	2.382	15.7	21.0
2 11	11 23.82	+ 2 15.0	1.492	2.401	11.6	20.8
2 21	11 16.52	+ 2 54.5	1.459	2.420	7.0	20.6
3 2	11 7.82	+ 3 44.5	1.451	2.440	2.1	20.3
3 12	10 58.89	+ 4 37.5	1.472	2.460	3.1	20.4
3 22	10 50.88	+ 5 26.6	1.519	2.480	7.8	20.7
4 1	10 44.75	+ 6 5.6	1.591	2.500	11.9	21.0
4 11	10 41.07	+ 6 30.9	1.685	2.520	15.4	21.3

179984 2002 XQ_{53} 3 5.4 94°.23 0°.2/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.16	+ 2 27.4	1.728	2.559	14.5	20.4
2 11	11 23.23	+ 3 4.7	1.661	2.569	10.7	20.2
2 21	11 16.17	+ 3 56.6	1.617	2.579	6.4	20.0
3 2	11 7.74	+ 4 57.9	1.601	2.590	1.7	19.7
3 12	10 58.99	+ 6 1.2	1.612	2.600	3.0	19.8
3 22	10 50.99	+ 6 59.5	1.652	2.610	7.5	20.1
4 1	10 44.66	+ 7 46.7	1.717	2.620	11.6	20.4
4 11	10 40.61	+ 8 19.2	1.804	2.629	15.0	20.6

297632 2001 TX_{90} 3 5.4 217°.81 1°.3/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.27	+ 0 11.7	1.796	2.611	14.6	22.3
2 11	11 25.68	+ 0 31.4	1.705	2.604	11.1	22.0
2 21	11 17.76	+ 1 7.4	1.639	2.595	7.0	21.8
3 2	11 8.19	+ 1 56.3	1.599	2.586	2.5	21.5
3 12	10 58.03	+ 2 52.1	1.588	2.576	3.0	21.5
3 22	10 48.44	+ 3 48.0	1.605	2.565	7.6	21.7
4 1	10 40.47	+ 4 37.2	1.649	2.554	11.9	21.9
4 11	10 34.88	+ 5 14.7	1.715	2.541	15.6	22.2

491622 2012 TE_{101} 3 5.4 83°.60 0°.6/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.38	+ 2 26.2	2.442	3.256	11.3	21.9
2 11	11 22.02	+ 2 43.0	2.379	3.279	8.3	21.7
2 21	11 15.18	+ 3 9.3	2.342	3.301	5.0	21.6
3 2	11 7.45	+ 3 41.9	2.334	3.323	1.5	21.4
3 12	10 59.57	+ 4 16.7	2.357	3.344	2.2	21.4
3 22	10 52.28	+ 4 49.4	2.408	3.366	5.6	21.7
4 1	10 46.20	+ 5 16.6	2.488	3.387	8.6	21.9
4 11	10 41.79	+ 5 35.6	2.592	3.408	11.2	22.1

421196 2013 RQ_{83} 3 5.4 179°.71 3°.8/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.53	− 9 45.1	2.241	3.010	13.6	21.4
2 11	11 21.02	− 9 19.3	2.151	3.011	10.9	21.2
2 21	11 14.78	− 8 32.7	2.084	3.011	7.9	21.0
3 2	11 7.39	− 7 27.0	2.044	3.012	4.9	20.9
3 12	10 59.64	− 6 6.8	2.032	3.011	3.9	20.8
3 22	10 52.37	− 4 38.6	2.050	3.011	6.1	20.9
4 1	10 46.33	− 3 9.7	2.096	3.010	9.2	21.1
4 11	10 42.10	− 1 47.0	2.167	3.009	12.2	21.3

154872 2004 RC_{106} 3 5.4 250°.45 1°.2/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.99	+ 1 4.8	2.107	2.921	12.8	20.4
2 11	11 23.73	+ 1 13.5	2.010	2.908	9.7	20.2
2 21	11 16.48	+ 1 34.8	1.938	2.894	6.1	19.9
3 2	11 7.85	+ 2 5.9	1.893	2.880	2.2	19.6
3 12	10 58.71	+ 2 42.4	1.878	2.866	2.6	19.6
3 22	10 50.00	+ 3 19.4	1.892	2.851	6.6	19.9
4 1	10 42.62	+ 3 51.8	1.933	2.836	10.5	20.1
4 11	10 37.25	+ 4 15.5	1.997	2.821	13.8	20.2

208326 2001 PF_{53} 3 5.4 149°.70 0°.0/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.25	+ 3 16.7	2.796	3.612	10.0	21.4
2 11	11 20.41	+ 3 56.1	2.719	3.621	7.3	21.2
2 21	11 14.24	+ 4 44.4	2.669	3.629	4.3	21.0
3 2	11 7.22	+ 5 38.0	2.648	3.637	1.1	20.8
3 12	10 59.99	+ 6 32.6	2.658	3.644	2.2	20.9
3 22	10 53.19	+ 7 23.7	2.698	3.651	5.3	21.1
4 1	10 47.38	+ 8 7.7	2.767	3.658	8.2	21.3
4 11	10 43.02	+ 8 42.0	2.861	3.664	10.6	21.5

243821 2000 SB_{344} 3 5.4 232°.28 2°.8/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.87	+14 52.9	2.619	3.455	9.9	20.6
2 11	11 23.95	+15 16.5	2.535	3.447	7.3	20.4
2 21	11 16.40	+15 41.2	2.477	3.439	4.5	20.2
3 2	11 7.80	+16 2.7	2.449	3.430	2.8	20.1
3 12	10 58.90	+16 16.7	2.452	3.422	4.3	20.2
3 22	10 50.47	+16 20.3	2.484	3.412	7.1	20.4
4 1	10 43.22	+16 11.9	2.543	3.403	9.9	20.5
4 11	10 37.68	+15 51.2	2.626	3.394	12.4	20.7

54394 2000 KB_{73} 3 5.4 18°.01 3°.9/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.19	+ 9 10.9	1.400	2.266	15.1	17.7
2 11	11 20.06	+11 3.6	1.340	2.270	10.9	17.5
2 21	11 14.51	+13 10.0	1.304	2.274	6.4	17.3
3 2	11 7.35	+15 17.9	1.295	2.279	3.9	17.1
3 12	10 59.78	+17 14.0	1.312	2.285	6.7	17.3
3 22	10 53.01	+18 47.6	1.355	2.291	11.1	17.6
4 1	10 48.13	+19 52.4	1.420	2.297	15.2	17.8
4 11	10 45.79	+20 27.4	1.505	2.305	18.6	18.1

198380 2004 VT_{28} 3 5.4 108°.23 2°.0/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.66	− 2 25.0	2.030	2.838	13.5	20.5
2 11	11 21.92	− 2 6.9	1.953	2.844	10.3	20.3
2 21	11 15.33	− 1 32.8	1.899	2.850	6.7	20.1
3 2	11 7.54	− 0 45.7	1.873	2.856	3.1	19.9
3 12	10 59.42	+ 0 9.3	1.875	2.862	2.8	19.8
3 22	10 51.88	+ 1 6.3	1.906	2.868	6.3	20.1
4 1	10 45.72	+ 1 59.2	1.964	2.874	9.9	20.3
4 11	10 41.53	+ 2 43.2	2.045	2.880	13.1	20.5

172338 2002 VX_{43} 3 5.4 186°.98 4°.6/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.38	+20 24.8	2.564	3.408	9.9	20.4
2 11	11 22.89	+21 20.8	2.496	3.408	7.4	20.3
2 21	11 15.78	+22 15.1	2.455	3.407	5.3	20.1
3 2	11 7.64	+23 1.6	2.443	3.406	4.7	20.1
3 12	10 59.24	+23 35.2	2.461	3.405	6.1	20.2
3 22	10 51.37	+23 52.7	2.506	3.403	8.5	20.3
4 1	10 44.74	+23 53.0	2.577	3.401	11.0	20.5
4 11	10 39.84	+23 36.7	2.669	3.398	13.1	20.7

119158 2001 QX_{21} 3 5.4 184°.09 0°.7/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.05	+ 1 11.7	2.518	3.323	11.3	21.5
2 11	11 23.38	+ 1 36.9	2.430	3.324	8.4	21.3
2 21	11 16.09	+ 2 13.1	2.368	3.324	5.2	21.1
3 2	11 7.73	+ 2 57.3	2.335	3.323	1.7	20.9
3 12	10 59.05	+ 3 45.1	2.334	3.321	2.2	20.9
3 22	10 50.81	+ 4 31.8	2.362	3.319	5.7	21.1
4 1	10 43.73	+ 5 13.0	2.419	3.315	9.0	21.3
4 11	10 38.35	+ 5 45.4	2.501	3.311	11.8	21.5

345712 2006 VV_{170} 3 5.4 149°.72 1°.7/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.45	− 2 29.5	2.600	3.398	11.2	21.7
2 11	11 19.97	− 2 8.9	2.516	3.402	8.5	21.5
2 21	11 14.05	− 1 35.4	2.457	3.405	5.5	21.4
3 2	11 7.19	− 0 51.6	2.426	3.409	2.6	21.2
3 12	11 0.08	− 0 1.4	2.425	3.412	2.3	21.1
3 22	10 53.39	+ 0 50.7	2.453	3.414	5.2	21.3
4 1	10 47.74	+ 1 40.0	2.510	3.417	8.2	21.5
4 11	10 43.61	+ 2 22.6	2.592	3.420	10.9	21.7

262767 2006 XY_{72} 3 5.4 89°.32 0°.1/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.56	+ 4 5.5	1.740	2.574	14.3	20.6
2 11	11 24.22	+ 4 32.9	1.676	2.586	10.5	20.4
2 21	11 16.74	+ 5 12.7	1.635	2.598	6.2	20.1
3 2	11 7.90	+ 5 59.6	1.621	2.611	1.6	19.8
3 12	10 58.79	+ 6 47.3	1.636	2.623	3.1	20.0
3 22	10 50.45	+ 7 29.3	1.678	2.635	7.6	20.3
4 1	10 43.83	+ 8 0.8	1.746	2.647	11.6	20.5
4 11	10 39.51	+ 8 18.9	1.837	2.659	14.9	20.8

429304 2010 DA_{19} 3 5.4 302°.57 6°.0/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.77	+19 31.5	2.086	2.946	11.1	20.5
2 11	11 19.99	+21 31.4	2.016	2.936	8.4	20.3
2 21	11 14.30	+23 33.0	1.974	2.926	6.3	20.2
3 2	11 7.30	+25 26.8	1.960	2.917	6.2	20.2
3 12	10 59.87	+27 3.4	1.975	2.908	8.2	20.3
3 22	10 52.92	+28 16.6	2.016	2.898	11.0	20.4
4 1	10 47.32	+29 3.3	2.081	2.889	13.8	20.6
4 11	10 43.70	+29 23.9	2.164	2.880	16.1	20.7

469500 2003 AV_{94} 3 5.4 308°.23 4°.7/28.7 17

2 1	11 24.06	+16 39.1	2.105	2.962	11.2	20.6
2 11	11 20.12	+18 5.9	2.031	2.952	8.3	20.4
2 21	11 14.34	+19 35.9	1.982	2.943	5.6	20.2
3 2	11 7.31	+21 1.1	1.962	2.933	4.8	20.1
3 12	10 59.88	+22 13.6	1.971	2.923	6.7	20.2
3 22	10 52.95	+23 7.7	2.006	2.914	9.7	20.4
4 1	10 47.34	+23 40.1	2.065	2.905	12.7	20.5
4 11	10 43.66	+23 50.6	2.145	2.896	15.3	20.7

223608 2004 HK_{19} 3 5.4 260°.62 4°.4/ 1.2 18

2 1	11 32.27	+17 12.8	2.123	2.966	11.7	20.1
2 11	11 26.26	+18 2.7	2.029	2.943	8.7	19.9
2 21	11 18.05	+18 54.2	1.960	2.919	5.8	19.6
3 2	11 8.29	+19 40.4	1.920	2.894	4.4	19.5
3 12	10 57.94	+20 14.5	1.909	2.868	6.3	19.6
3 22	10 48.05	+20 31.7	1.926	2.842	9.6	19.7
4 1	10 39.62	+20 29.6	1.969	2.815	12.9	19.9
4 11	10 33.38	+20 8.6	2.032	2.788	15.9	20.0

43685 2002 JK_{26} 3 5.4 270°.50 3°.0/ 8.7 18

2 1	11 24.40	− 6 39.5	2.099	2.890	13.7	19.1
2 11	11 20.41	− 6 6.2	1.997	2.874	10.8	18.9
2 21	11 14.55	− 5 11.9	1.917	2.858	7.5	18.6
3 2	11 7.38	− 3 58.7	1.864	2.842	4.1	18.4
3 12	10 59.71	− 2 31.9	1.840	2.825	3.3	18.3
3 22	10 52.42	− 0 58.5	1.845	2.809	6.4	18.5
4 1	10 46.37	+ 0 33.4	1.878	2.792	10.1	18.6
4 11	10 42.22	+ 1 56.5	1.934	2.775	13.5	18.8

222341 2000 VH_{51} 3 5.4 60°.44 6°.9/28.8 18

2 1	11 33.19	+23 3.0	1.700	2.554	13.6	19.9
2 11	11 26.92	+23 57.7	1.654	2.568	10.4	19.7
2 21	11 18.30	+24 46.0	1.633	2.582	7.7	19.6
3 2	11 8.29	+25 19.3	1.638	2.597	7.0	19.6
3 12	10 58.15	+25 31.1	1.669	2.611	8.7	19.7
3 22	10 49.07	+25 19.1	1.726	2.626	11.6	19.9
4 1	10 42.03	+24 44.3	1.807	2.641	14.5	20.1
4 11	10 37.57	+23 50.1	1.906	2.656	17.0	20.3

219414 2000 SK_{279} 3 5.4 114°.10 3°.4/ 9.4 18

2 1	11 27.78	− 8 24.3	2.407	3.174	12.8	20.8
2 11	11 22.40	− 8 3.8	2.337	3.197	10.1	20.6
2 21	11 15.46	− 7 25.8	2.290	3.219	7.1	20.5
3 2	11 7.56	− 6 32.3	2.271	3.241	4.3	20.3
3 12	10 59.48	− 5 27.8	2.282	3.261	3.5	20.3
3 22	10 51.96	− 4 17.8	2.322	3.281	5.6	20.5
4 1	10 45.69	− 3 8.2	2.392	3.301	8.5	20.7
4 11	10 41.14	− 2 4.4	2.486	3.320	11.1	20.9

296000 2008 YF_{96} 3 5.4 101°.71 1°.9/ 3.8 18

2 1	11 31.97	+ 7 35.6	1.618	2.459	14.7	21.7
2 11	11 26.03	+ 8 32.9	1.565	2.481	10.7	21.5
2 21	11 17.80	+ 9 40.2	1.536	2.502	6.1	21.3
3 2	11 8.17	+10 49.9	1.534	2.523	2.1	21.1
3 12	10 58.35	+11 53.4	1.561	2.543	4.5	21.3
3 22	10 49.50	+12 43.7	1.616	2.562	8.8	21.6
4 1	10 42.57	+13 16.9	1.695	2.581	12.7	21.9
4 11	10 38.14	+13 31.5	1.796	2.599	15.9	22.1

252999 2002 QM_{134} 3 5.4 245°.11 2°.0/ 3.6 17

2 1	11 29.07	+ 8 17.9	1.847	2.688	13.2	21.6
2 11	11 24.04	+ 9 9.3	1.760	2.676	9.7	21.4
2 21	11 16.78	+10 11.1	1.697	2.663	5.7	21.1
3 2	11 7.97	+11 17.0	1.662	2.650	2.1	20.9
3 12	10 58.60	+12 19.3	1.656	2.636	4.4	21.0
3 22	10 49.78	+13 11.0	1.677	2.622	8.7	21.2
4 1	10 42.50	+13 47.0	1.724	2.607	12.7	21.4
4 11	10 37.50	+14 5.0	1.793	2.593	16.1	21.6

275012 2009 UC_{7} 3 5.4 39°.15 0°.1/ 5.3 17

2 1	11 22.42	+ 3 59.8	2.619	3.445	10.3	20.5
2 11	11 18.44	+ 4 32.9	2.549	3.456	7.5	20.4
2 21	11 13.11	+ 5 14.7	2.505	3.468	4.4	20.2
3 2	11 6.96	+ 6 1.4	2.490	3.479	1.1	20.0
3 12	11 0.63	+ 6 48.6	2.504	3.491	2.2	20.1
3 22	10 54.74	+ 7 32.2	2.548	3.503	5.4	20.3
4 1	10 49.87	+ 8 8.5	2.620	3.516	8.3	20.5
4 11	10 46.45	+ 8 34.9	2.715	3.528	10.8	20.7

287322 2002 TG_{268} 3 5.4 88°.22 1°.8/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 34.48	+ 9 26.3	1.756	2.593	14.0	21.4
2 11	11 27.64	+ 9 50.6	1.704	2.618	10.1	21.2
2 21	11 18.64	+10 21.1	1.678	2.643	5.9	21.0
3 2	11 8.38	+10 52.1	1.679	2.667	2.0	20.8
3 12	10 58.01	+11 17.5	1.709	2.691	4.1	21.0
3 22	10 48.64	+11 33.0	1.768	2.715	8.1	21.3
4 1	10 41.17	+11 35.9	1.852	2.738	11.8	21.5
4 11	10 36.12	+11 25.6	1.959	2.760	14.9	21.8

371706 2007 EK_{28} 3 5.4 108°.34 0°.5/ 5.7 17

2 1	11 36.76	+ 5 32.1	1.870	2.690	14.0	20.3
2 11	11 29.45	+ 5 6.4	1.792	2.695	10.4	20.1
2 21	11 19.84	+ 4 48.1	1.740	2.700	6.3	19.8
3 2	11 8.73	+ 4 34.8	1.716	2.704	1.8	19.6
3 12	10 57.25	+ 4 23.2	1.722	2.709	2.9	19.6
3 22	10 46.54	+ 4 10.3	1.757	2.714	7.3	19.9
4 1	10 37.63	+ 3 53.6	1.820	2.718	11.3	20.2
4 11	10 31.18	+ 3 30.8	1.906	2.722	14.7	20.4

434607 2005 UU_{362} 3 5.4 234°.43 3°.0/ 9.5 17

2 1	11 23.38	− 8 6.4	2.833	3.601	11.1	22.0
2 11	11 19.18	− 7 46.9	2.731	3.592	8.8	21.9
2 21	11 13.61	− 7 11.8	2.653	3.582	6.3	21.7
3 2	11 7.11	− 6 22.6	2.602	3.572	3.9	21.5
3 12	11 0.30	− 5 22.6	2.582	3.561	3.1	21.4
3 22	10 53.80	− 4 16.2	2.591	3.551	5.1	21.5
4 1	10 48.21	− 3 8.5	2.629	3.540	7.7	21.7
4 11	10 44.03	− 2 4.5	2.693	3.529	10.3	21.8

52551 1997 AL 3 5.4 52°.42 2°.4/ 7.8 17

2 1	11 26.79	− 2 34.5	2.256	3.056	12.6	18.8
2 11	11 21.88	− 2 38.8	2.175	3.060	9.7	18.6
2 21	11 15.27	− 2 29.7	2.118	3.064	6.4	18.5
3 2	11 7.55	− 2 8.8	2.088	3.069	3.3	18.3
3 12	10 59.52	− 1 39.8	2.087	3.073	2.9	18.2
3 22	10 51.99	− 1 7.0	2.116	3.077	5.9	18.4
4 1	10 45.71	− 0 34.9	2.171	3.081	9.1	18.6
4 11	10 41.23	− 0 7.9	2.251	3.086	12.1	18.8

498790 2008 UK_{173} 3 5.4 178°.21 0°.9/ 4.5 17

2 1	11 27.19	+ 6 29.3	2.246	3.077	11.5	22.1
2 11	11 22.19	+ 7 4.0	2.168	3.078	8.4	21.9
2 21	11 15.46	+ 7 47.3	2.114	3.079	4.9	21.7
3 2	11 7.60	+ 8 34.6	2.090	3.079	1.3	21.4
3 12	10 59.43	+ 9 20.5	2.095	3.079	3.1	21.6
3 22	10 51.78	+10 0.2	2.129	3.079	6.7	21.8
4 1	10 45.41	+10 29.7	2.190	3.079	10.1	22.0
4 11	10 40.86	+10 46.7	2.274	3.078	13.0	22.2

40542 1999 RS_{106} 3 5.4 239°.50 3°.8/ 9.2 18

2 1	11 26.34	− 7 22.6	2.096	2.879	14.0	19.7
2 11	11 21.78	− 7 18.1	2.003	2.873	11.1	19.5
2 21	11 15.34	− 6 54.7	1.933	2.867	7.9	19.3
3 2	11 7.60	− 6 13.4	1.889	2.861	4.8	19.1
3 12	10 59.41	− 5 18.1	1.874	2.854	3.9	19.0
3 22	10 51.67	− 4 14.6	1.886	2.848	6.5	19.1
4 1	10 45.25	− 3 9.5	1.926	2.841	9.9	19.3
4 11	10 40.76	− 2 9.3	1.990	2.834	13.1	19.5

359773 2011 US_{134} 3 5.4 170°.44 0°.5/ 5.8 18

2 1	11 29.61	+ 1 27.6	1.738	2.563	14.7	21.6
2 11	11 24.41	+ 2 7.4	1.661	2.566	10.9	21.3
2 21	11 16.96	+ 3 3.4	1.608	2.569	6.6	21.1
3 2	11 8.02	+ 4 10.7	1.582	2.571	1.9	20.8
3 12	10 58.64	+ 5 21.8	1.584	2.572	3.0	20.9
3 22	10 49.94	+ 6 28.9	1.615	2.573	7.7	21.1
4 1	10 42.92	+ 7 25.3	1.671	2.574	11.9	21.4
4 11	10 38.25	+ 8 6.7	1.750	2.574	15.5	21.6

20468 Petercook 3 5.4 205°.75 0°.6/ 4.6 17

2 1	11 25.01	+ 6 20.6	3.082	3.904	9.0	20.5
2 11	11 20.22	+ 6 54.5	2.992	3.899	6.6	20.3
2 21	11 14.16	+ 7 34.8	2.930	3.893	3.8	20.1
3 2	11 7.27	+ 8 18.4	2.897	3.886	1.0	19.9
3 12	11 0.12	+ 9 1.3	2.895	3.879	2.3	20.0
3 22	10 53.30	+ 9 40.0	2.924	3.872	5.2	20.2
4 1	10 47.36	+10 11.4	2.981	3.864	7.9	20.4
4 11	10 42.74	+10 33.5	3.063	3.856	10.2	20.5

505943 2015 FY_{75} 3 5.4 300°.03 5°.2/11.5 17

2 1	11 22.73	−13 17.5	2.217	2.972	14.2	21.3
2 11	11 19.13	−13 4.6	2.113	2.957	11.7	21.1
2 21	11 13.79	−12 28.6	2.031	2.942	9.0	20.9
3 2	11 7.21	−11 29.7	1.973	2.928	6.4	20.7
3 12	11 0.19	−10 11.2	1.943	2.913	5.2	20.6
3 22	10 53.53	− 8 39.1	1.941	2.899	6.6	20.7
4 1	10 48.05	− 7 1.1	1.967	2.885	9.5	20.8
4 11	10 44.35	− 5 25.3	2.018	2.871	12.5	21.0

133091 2003 MH_{10} 3 5.4 194.°76 0.°4/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.94	− 0 23.1	2.533	3.340	11.1	20.6
2 11	11 20.43	+ 0 44.8	2.443	3.338	8.3	20.4
2 21	11 14.40	+ 2 7.2	2.378	3.335	5.1	20.2
3 2	11 7.35	+ 3 39.7	2.344	3.332	1.5	20.0
3 12	10 59.99	+ 5 16.1	2.340	3.328	2.2	20.0
3 22	10 53.02	+ 6 49.8	2.368	3.324	5.8	20.2
4 1	10 47.10	+ 8 14.9	2.425	3.319	9.0	20.4
4 11	10 42.77	+ 9 27.0	2.506	3.313	11.8	20.6

173824 2001 SU_{344} 3 5.4 140.°35 3.°1/29.8 17

2 1	11 25.15	+14 37.0	2.826	3.668	9.1	20.5
2 11	11 20.39	+15 54.7	2.764	3.680	6.6	20.3
2 21	11 14.27	+17 14.6	2.730	3.691	4.2	20.2
3 2	11 7.31	+18 31.2	2.726	3.701	3.2	20.1
3 12	11 0.14	+19 38.8	2.753	3.711	4.7	20.3
3 22	10 53.42	+20 33.6	2.809	3.721	7.1	20.4
4 1	10 47.72	+21 13.0	2.892	3.730	9.5	20.6
4 11	10 43.48	+21 36.3	2.998	3.739	11.6	20.8

221129 2005 SQ_{259} 3 5.4 90.°59 2.°0/ 3.3 18

2 1	11 26.77	+ 6 23.7	1.843	2.684	13.2	20.3
2 11	11 22.07	+ 7 55.1	1.787	2.704	9.5	20.1
2 21	11 15.45	+ 9 37.7	1.756	2.723	5.4	19.9
3 2	11 7.62	+11 23.4	1.754	2.742	2.0	19.8
3 12	10 59.57	+13 2.7	1.782	2.761	4.3	19.9
3 22	10 52.26	+14 27.9	1.838	2.779	8.3	20.2
4 1	10 46.50	+15 33.6	1.920	2.798	11.8	20.5
4 11	10 42.84	+16 18.1	2.023	2.816	14.8	20.7

341364 2007 TE_{86} 3 5.4 171.°02 0.°5/ 4.8 17

2 1	11 25.60	+ 5 2.4	2.437	3.264	10.9	22.0
2 11	11 20.91	+ 5 41.8	2.358	3.266	8.0	21.8
2 21	11 14.67	+ 6 30.4	2.304	3.267	4.7	21.6
3 2	11 7.43	+ 7 24.0	2.279	3.268	1.2	21.3
3 12	10 59.90	+ 8 17.4	2.284	3.269	2.7	21.4
3 22	10 52.83	+ 9 5.8	2.318	3.270	6.1	21.7
4 1	10 46.91	+ 9 45.1	2.380	3.271	9.3	21.9
4 11	10 42.62	+10 12.6	2.466	3.271	12.1	22.1

186533 2002 VR_{86} 3 5.4 13.°32 3.°2/ 7.7 18

2 1	11 25.15	− 2 15.4	1.189	2.032	18.9	19.4
2 11	11 21.83	− 2 24.2	1.127	2.036	14.6	19.1
2 21	11 15.73	− 2 9.8	1.085	2.042	9.6	18.9
3 2	11 7.75	− 1 34.8	1.065	2.049	4.6	18.6
3 12	10 59.31	− 0 46.1	1.070	2.058	4.1	18.6
3 22	10 51.82	+ 0 7.0	1.098	2.068	8.8	18.9
4 1	10 46.51	+ 0 55.6	1.150	2.079	13.6	19.2
4 11	10 44.13	+ 1 32.3	1.220	2.091	17.8	19.5

290219 2005 SX_{50} 3 5.4 84.°95 3.°0/ 2.9 18

2 1	11 32.52	+12 44.0	1.808	2.653	13.3	20.4
2 11	11 26.26	+13 17.9	1.754	2.671	9.6	20.2
2 21	11 17.88	+13 55.2	1.725	2.690	5.8	20.0
3 2	11 8.24	+14 29.4	1.723	2.708	3.0	19.9
3 12	10 58.44	+14 54.6	1.751	2.726	5.0	20.0
3 22	10 49.55	+15 6.5	1.806	2.743	8.7	20.3
4 1	10 42.46	+15 3.3	1.886	2.761	12.1	20.5
4 11	10 37.70	+14 45.1	1.988	2.778	15.1	20.7

240731 2005 JU_{25} 3 5.4 8.°55 24.°2/14.6 17

2 1	11 52.23	+52 35.5	0.970	1.777	24.8	20.1
2 11	11 44.28	+54 53.5	0.955	1.777	24.2	20.1
2 21	11 29.79	+56 22.1	0.955	1.777	24.3	20.1
3 2	11 11.33	+56 41.9	0.968	1.778	25.1	20.1
3 12	10 53.07	+55 45.6	0.994	1.779	26.5	20.2
3 22	10 38.62	+53 40.7	1.032	1.781	28.1	20.4
4 1	10 29.86	+50 42.7	1.081	1.783	29.7	20.5
4 11	10 26.89	+47 9.1	1.140	1.785	31.2	20.7

413851 2006 SD_{399} 3 5.4 156.°51 1.°8/ 7.3 17

2 1	11 28.67	− 2 24.5	2.124	2.925	13.2	22.9
2 11	11 23.35	− 1 55.1	2.044	2.932	10.1	22.7
2 21	11 16.19	− 1 9.7	1.989	2.939	6.5	22.5
3 2	11 7.84	− 0 11.6	1.962	2.946	2.8	22.3
3 12	10 59.17	+ 0 53.7	1.964	2.951	2.6	22.3
3 22	10 51.06	+ 1 59.9	1.996	2.956	6.2	22.5
4 1	10 44.32	+ 3 1.0	2.055	2.961	9.8	22.8
4 11	10 39.52	+ 3 52.2	2.139	2.965	12.9	23.0

466603 2014 UW_{199} 3 5.4 115.°49 3.°5/ 8.9 18

2 1	11 28.71	− 7 0.8	2.022	2.805	14.4	21.4
2 11	11 23.40	− 6 47.9	1.950	2.821	11.3	21.2
2 21	11 16.22	− 6 15.7	1.901	2.837	7.9	21.0
3 2	11 7.84	− 5 26.3	1.879	2.853	4.6	20.8
3 12	10 59.20	− 4 24.6	1.885	2.868	3.7	20.8
3 22	10 51.20	− 3 17.0	1.921	2.882	6.4	21.0
4 1	10 44.66	− 2 10.4	1.984	2.896	9.8	21.2
4 11	10 40.15	− 1 10.7	2.070	2.909	12.8	21.5

67560 2000 SC_{85} 3 5.4 348.°36 1.°0/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.68	+ 4 30.5	1.192	2.055	17.5	18.1
2 11	11 21.63	+ 5 19.2	1.123	2.049	12.9	17.8
2 21	11 15.72	+ 6 27.4	1.074	2.043	7.6	17.5
3 2	11 7.80	+ 7 47.4	1.049	2.039	1.9	17.1
3 12	10 59.26	+ 9 7.8	1.048	2.035	4.6	17.2
3 22	10 51.58	+10 17.5	1.072	2.032	10.3	17.6
4 1	10 46.06	+11 7.8	1.118	2.031	15.5	17.8
4 11	10 43.54	+11 34.5	1.181	2.030	19.8	18.1

498338 2007 VU_{240} 3 5.4 129.°69 5.°5/26.6 18

2 1	11 27.45	+24 33.9	2.768	3.610	9.3	21.4
2 11	11 22.13	+25 53.0	2.721	3.625	7.2	21.3
2 21	11 15.32	+27 7.4	2.701	3.639	5.8	21.2
3 2	11 7.60	+28 10.7	2.711	3.652	5.7	21.2
3 12	10 59.71	+28 58.1	2.750	3.665	7.0	21.3
3 22	10 52.36	+29 26.9	2.816	3.678	8.9	21.5
4 1	10 46.20	+29 36.5	2.906	3.690	10.8	21.6
4 11	10 41.67	+29 28.1	3.016	3.702	12.6	21.8

302090 2000 YG_{72} 3 5.4 43.°71 4.°4/ 8.5 18

2 1	11 30.03	− 4 54.9	1.201	2.026	19.8	19.9
2 11	11 25.23	− 5 11.4	1.151	2.047	15.4	19.7
2 21	11 17.61	− 5 2.1	1.120	2.069	10.5	19.5
3 2	11 8.23	− 4 29.3	1.112	2.091	5.8	19.3
3 12	10 58.58	− 3 39.8	1.129	2.114	4.8	19.3
3 22	10 50.11	− 2 42.9	1.171	2.138	8.7	19.6
4 1	10 43.99	− 1 48.2	1.236	2.162	13.2	19.9
4 11	10 40.85	− 1 3.3	1.321	2.186	17.1	20.2

257684 1999 VT_{158} 3 5.4 130.°51 0.°1/ 5.3 18

2 1	11 31.22	+ 3 51.1	1.971	2.794	13.3	21.1
2 11	11 25.25	+ 4 23.7	1.904	2.809	9.8	20.9
2 21	11 17.31	+ 5 7.7	1.862	2.823	5.8	20.7
3 2	11 8.14	+ 5 58.3	1.848	2.837	1.5	20.4
3 12	10 58.71	+ 6 49.4	1.863	2.850	2.9	20.5
3 22	10 50.00	+ 7 35.1	1.908	2.863	7.0	20.8
4 1	10 42.86	+ 8 11.0	1.980	2.874	10.7	21.1
4 11	10 37.85	+ 8 34.2	2.075	2.886	13.8	21.3

83203 2001 RN_{11} 3 5.4 222.°24 1.°2/ 6.7 18

2 1	11 26.92	− 1 1.4	2.127	2.937	12.9	20.1
2 11	11 22.20	− 0 21.3	2.034	2.929	9.8	19.9
2 21	11 15.61	+ 0 35.1	1.965	2.920	6.1	19.7
3 2	11 7.73	+ 1 44.1	1.924	2.911	2.3	19.4
3 12	10 59.41	+ 2 59.7	1.913	2.901	2.5	19.4
3 22	10 51.52	+ 4 15.1	1.931	2.890	6.5	19.6
4 1	10 44.92	+ 5 23.9	1.976	2.880	10.3	19.8
4 11	10 40.24	+ 6 21.0	2.045	2.868	13.6	20.0

12586 1999 RQ_{81} 3 5.4 168.°25 1.°0/ 6.6 18

2 1	11 26.96	− 0 12.3	2.427	3.233	11.6	19.1
2 11	11 21.92	+ 0 17.6	2.344	3.237	8.7	18.9
2 21	11 15.29	+ 1 0.1	2.287	3.241	5.4	18.7
3 2	11 7.62	+ 1 51.9	2.257	3.244	2.0	18.5
3 12	10 59.66	+ 2 48.3	2.258	3.246	2.3	18.5
3 22	10 52.17	+ 3 44.2	2.290	3.248	5.7	18.7
4 1	10 45.83	+ 4 34.7	2.349	3.250	9.0	18.9
4 11	10 41.18	+ 5 16.0	2.432	3.251	11.8	19.1

219631 2001 TX_{240} 3 5.4 232.°56 2.°6/ 8.1 17

2 1	11 28.91	− 4 20.2	2.385	3.170	12.4	21.3
2 11	11 23.55	− 4 10.5	2.279	3.155	9.7	21.1
2 21	11 16.38	− 3 45.5	2.198	3.139	6.6	20.9
3 2	11 7.94	− 3 6.9	2.144	3.123	3.5	20.7
3 12	10 59.00	− 2 18.1	2.121	3.105	3.0	20.6
3 22	10 50.40	− 1 24.2	2.127	3.087	6.0	20.8
4 1	10 42.95	− 0 30.6	2.162	3.068	9.4	20.9
4 11	10 37.29	+ 0 17.5	2.221	3.048	12.5	21.1

18768 Sarahbates 3 5.4 314.°57 0.°6/ 5.9 18

2 1	11 29.86	+ 3 27.7	1.331	2.177	17.1	18.6
2 11	11 25.38	+ 3 28.5	1.248	2.164	12.9	18.3
2 21	11 17.97	+ 3 44.8	1.187	2.151	7.9	18.0
3 2	11 8.43	+ 4 12.6	1.149	2.138	2.3	17.6
3 12	10 58.10	+ 4 45.4	1.138	2.126	3.7	17.7
3 22	10 48.48	+ 5 15.6	1.151	2.115	9.3	18.0
4 1	10 40.96	+ 5 36.8	1.188	2.104	14.5	18.2
4 11	10 36.47	+ 5 44.1	1.245	2.094	19.0	18.4

131417 2001 OC_5 3 5.4 196.°06 5.°6/12.9 18

2 1	11 28.15	−18 12.6	3.290	3.975	11.2	20.4
2 11	11 22.57	−18 40.8	3.186	3.972	9.6	20.2
2 21	11 15.62	−18 53.1	3.105	3.967	7.9	20.1
3 2	11 7.73	−18 48.4	3.050	3.962	6.4	20.0
3 12	10 59.50	−18 27.6	3.023	3.957	5.6	19.9
3 22	10 51.54	−17 53.0	3.026	3.951	6.1	20.0
4 1	10 44.46	−17 8.5	3.057	3.944	7.6	20.1
4 11	10 38.73	−16 18.7	3.114	3.937	9.4	20.2

500181 2012 FG_{50} 3 5.4 258°.01 1°.6/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.33	+ 6 52.6	1.905	2.745	12.9	21.7
2 11	11 22.75	+ 7 49.5	1.815	2.730	9.5	21.4
2 21	11 16.06	+ 8 58.5	1.749	2.715	5.5	21.1
3 2	11 7.89	+10 13.4	1.711	2.700	1.8	20.8
3 12	10 59.17	+11 26.4	1.703	2.685	4.0	21.0
3 22	10 50.93	+12 30.3	1.722	2.669	8.3	21.2
4 1	10 44.13	+13 19.2	1.767	2.653	12.3	21.4
4 11	10 39.49	+13 50.1	1.834	2.637	15.7	21.6

21030 1989 TZ_{11} 3 5.4 163°.17 3°.8/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.42	+15 31.8	2.324	3.162	11.0	19.9
2 11	11 25.96	+16 38.0	2.258	3.171	8.1	19.7
2 21	11 17.69	+17 45.9	2.219	3.179	5.2	19.6
3 2	11 8.26	+18 49.0	2.210	3.186	3.8	19.5
3 12	10 58.56	+19 40.8	2.232	3.192	5.5	19.6
3 22	10 49.49	+20 17.1	2.282	3.196	8.4	19.8
4 1	10 41.84	+20 35.7	2.359	3.200	11.3	20.0
4 11	10 36.15	+20 37.0	2.458	3.203	13.7	20.2

294343 2007 VL_{89} 3 5.4 134°.42 5°.3/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.72	+21 56.9	2.355	3.202	10.5	20.6
2 11	11 23.28	+22 57.6	2.297	3.208	8.0	20.4
2 21	11 16.10	+23 55.0	2.265	3.213	5.9	20.3
3 2	11 7.84	+24 42.4	2.261	3.219	5.4	20.3
3 12	10 59.36	+25 14.6	2.286	3.224	6.9	20.4
3 22	10 51.51	+25 28.2	2.338	3.228	9.3	20.5
4 1	10 45.03	+25 22.8	2.414	3.233	11.8	20.7
4 11	10 40.44	+24 59.4	2.511	3.237	13.9	20.8

371114 2005 VE_{89} 3 5.4 186°.60 1°.4/ 3.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.05	+ 7 31.6	2.325	3.156	11.2	22.6
2 11	11 22.82	+ 8 22.9	2.245	3.156	8.2	22.4
2 21	11 15.88	+ 9 22.5	2.190	3.155	4.7	22.2
3 2	11 7.81	+10 25.3	2.165	3.153	1.6	22.0
3 12	10 59.41	+11 25.3	2.170	3.151	3.4	22.1
3 22	10 51.49	+12 17.1	2.205	3.149	7.0	22.3
4 1	10 44.82	+12 56.7	2.267	3.146	10.2	22.5
4 11	10 39.95	+13 22.0	2.352	3.142	13.0	22.7

212718 2007 RO_{126} 3 5.4 192°.71 0°.2/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.87	+ 2 28.1	1.793	2.619	14.2	21.2
2 11	11 24.62	+ 3 3.4	1.712	2.618	10.6	20.9
2 21	11 17.15	+ 3 53.5	1.655	2.617	6.4	20.7
3 2	11 8.17	+ 4 53.7	1.625	2.614	1.8	20.4
3 12	10 58.72	+ 5 56.9	1.624	2.612	3.0	20.4
3 22	10 49.91	+ 6 55.9	1.651	2.609	7.6	20.7
4 1	10 42.71	+ 7 44.6	1.705	2.605	11.8	21.0
4 11	10 37.82	+ 8 18.9	1.780	2.601	15.3	21.2

428919 2008 WE_{10} 3 5.4 62°.26 2°.5/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.56	− 3 15.9	2.003	2.808	13.8	20.9
2 11	11 21.90	− 3 7.9	1.930	2.817	10.6	20.7
2 21	11 15.39	− 2 43.7	1.879	2.827	7.0	20.5
3 2	11 7.69	− 2 5.6	1.855	2.836	3.5	20.3
3 12	10 59.69	− 1 18.5	1.860	2.846	3.0	20.3
3 22	10 52.29	− 0 28.1	1.892	2.855	6.3	20.5
4 1	10 46.28	+ 0 20.0	1.952	2.865	9.8	20.8
4 11	10 42.25	+ 1 0.5	2.035	2.875	13.0	21.0

240008 2001 TL_{52} 3 5.4 112°.37 1°.1/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.27	+ 7 56.4	2.535	3.365	10.4	21.1
2 11	11 22.01	+ 8 29.2	2.469	3.379	7.6	21.0
2 21	11 15.27	+ 9 8.0	2.430	3.394	4.4	20.8
3 2	11 7.64	+ 9 48.6	2.419	3.408	1.3	20.6
3 12	10 59.82	+10 26.5	2.439	3.422	2.9	20.7
3 22	10 52.54	+10 57.8	2.489	3.435	6.1	20.9
4 1	10 46.42	+11 19.6	2.566	3.449	9.0	21.1
4 11	10 41.93	+11 30.3	2.667	3.462	11.5	21.3

38308 1999 RY_{102} 3 5.4 203°.06 1°.9/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.74	− 4 17.7	2.477	3.267	11.9	19.8
2 11	11 21.09	− 3 38.7	2.382	3.262	9.2	19.6
2 21	11 14.86	− 2 43.6	2.312	3.257	6.1	19.4
3 2	11 7.57	− 1 35.1	2.270	3.252	2.9	19.1
3 12	10 59.92	− 0 18.2	2.259	3.246	2.5	19.1
3 22	10 52.66	+ 1 1.3	2.278	3.239	5.6	19.3
4 1	10 46.50	+ 2 17.3	2.325	3.232	8.8	19.5
4 11	10 41.96	+ 3 24.6	2.398	3.224	11.7	19.7

415526 2014 QS_{40} 3 5.4 249°.54 2°.2/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.97	− 1 3.2	1.639	2.457	15.7	21.3
2 11	11 25.76	− 1 0.3	1.548	2.445	12.1	21.0
2 21	11 18.02	− 0 39.7	1.480	2.434	7.9	20.7
3 2	11 8.45	− 0 3.8	1.437	2.422	3.4	20.4
3 12	10 58.19	+ 0 42.0	1.422	2.409	3.4	20.4
3 22	10 48.48	+ 1 31.0	1.434	2.396	7.9	20.6
4 1	10 40.52	+ 2 15.9	1.471	2.383	12.5	20.9
4 11	10 35.14	+ 2 50.8	1.531	2.370	16.5	21.1

392144 2009 HN_{32} 3 5.4 269°.68 1°.0/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.13	+ 6 33.5	2.456	3.289	10.6	21.6
2 11	11 19.94	+ 7 20.3	2.367	3.279	7.7	21.4
2 21	11 14.20	+ 8 15.9	2.304	3.269	4.5	21.2
3 2	11 7.40	+ 9 15.8	2.270	3.259	1.3	20.9
3 12	11 0.26	+10 14.6	2.266	3.249	3.0	21.0
3 22	10 53.51	+11 7.2	2.291	3.239	6.5	21.2
4 1	10 47.85	+11 49.4	2.344	3.229	9.6	21.4
4 11	10 43.79	+12 18.5	2.419	3.219	12.4	21.6

17829 1998 HX_{32} 3 5.4 152°.96 1°.2/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.60	− 0 49.9	2.677	3.480	10.7	18.6
2 11	11 20.09	− 0 21.0	2.594	3.485	8.1	18.4
2 21	11 14.18	+ 0 19.6	2.537	3.490	5.1	18.3
3 2	11 7.38	+ 1 9.2	2.508	3.494	2.0	18.1
3 12	11 0.33	+ 2 3.4	2.510	3.498	2.1	18.1
3 22	10 53.69	+ 2 57.7	2.542	3.502	5.1	18.3
4 1	10 48.07	+ 3 47.6	2.602	3.505	8.1	18.5
4 11	10 43.92	+ 4 29.7	2.687	3.508	10.7	18.6

453252 2008 SN_{68} 3 5.4 126°.72 1°.6/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.11	+ 7 10.6	1.755	2.590	14.1	22.1
2 11	11 26.82	+ 8 2.6	1.695	2.608	10.3	21.9
2 21	11 18.33	+ 9 4.6	1.660	2.625	5.9	21.7
3 2	11 8.47	+10 9.6	1.653	2.641	1.9	21.4
3 12	10 58.36	+11 9.9	1.675	2.657	4.1	21.6
3 22	10 49.12	+11 59.0	1.725	2.672	8.3	21.9
4 1	10 41.69	+12 32.6	1.802	2.686	12.1	22.2
4 11	10 36.67	+12 49.1	1.900	2.699	15.3	22.4

412230 2013 HA_{5} 3 5.5 242°.17 3°.8/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.30	+12 3.1	1.730	2.581	13.5	21.3
2 11	11 24.41	+13 18.3	1.649	2.570	9.9	21.1
2 21	11 17.14	+14 42.0	1.593	2.559	6.0	20.8
3 2	11 8.22	+16 5.7	1.565	2.547	3.8	20.7
3 12	10 58.72	+17 19.8	1.564	2.535	6.2	20.8
3 22	10 49.82	+18 16.6	1.591	2.522	10.2	21.0
4 1	10 42.61	+18 51.6	1.642	2.509	14.1	21.2
4 11	10 37.84	+19 3.6	1.713	2.496	17.4	21.4

380784 2005 UO_{531} 3 5.5 211°.83 15°.2/25.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.87	+37 37.2	1.228	2.058	19.2	20.6
2 11	11 41.51	+39 1.9	1.180	2.055	16.8	20.4
2 21	11 27.66	+40 1.4	1.153	2.052	15.4	20.3
3 2	11 10.93	+40 18.4	1.147	2.048	15.4	20.3
3 12	10 53.89	+39 43.1	1.163	2.044	17.1	20.4
3 22	10 39.03	+38 17.0	1.200	2.040	19.7	20.5
4 1	10 28.11	+36 10.1	1.255	2.035	22.6	20.7
4 11	10 21.79	+33 35.4	1.326	2.029	25.1	20.9

331968 2004 XY_{82} 3 5.5 179°.97 4°.8/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.99	+21 26.4	2.765	3.606	9.3	22.0
2 11	11 23.32	+22 36.0	2.700	3.607	7.1	21.9
2 21	11 16.10	+23 43.4	2.661	3.609	5.3	21.7
3 2	11 7.89	+24 42.6	2.653	3.609	4.8	21.7
3 12	10 59.42	+25 28.4	2.674	3.609	6.2	21.8
3 22	10 51.43	+25 57.6	2.724	3.608	8.4	21.9
4 1	10 44.60	+26 8.9	2.799	3.606	10.7	22.1
4 11	10 39.42	+26 3.1	2.896	3.603	12.6	22.2

223240 2003 EY_{52} 3 5.5 272°.97 7°.1/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.18	+23 40.7	1.846	2.697	12.8	19.8
2 11	11 26.45	+24 45.8	1.774	2.685	10.0	19.6
2 21	11 18.29	+25 46.6	1.727	2.673	7.7	19.5
3 2	11 8.50	+26 33.9	1.706	2.660	7.2	19.4
3 12	10 58.24	+26 59.9	1.713	2.648	9.1	19.5
3 22	10 48.71	+27 0.7	1.745	2.635	12.0	19.6
4 1	10 40.99	+26 36.0	1.799	2.622	15.0	19.8
4 11	10 35.79	+25 48.5	1.873	2.610	17.7	20.0

182703 2001 VD_{124} 3 5.5 215°.57 2°.5/ 8.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.60	− 5 47.1	2.080	2.873	13.7	20.2
2 11	11 21.28	− 5 2.4	1.988	2.868	10.7	20.0
2 21	11 15.11	− 3 56.9	1.919	2.863	7.2	19.7
3 2	11 7.67	− 2 33.8	1.877	2.857	3.6	19.5
3 12	10 59.80	− 0 59.2	1.865	2.851	3.0	19.4
3 22	10 52.40	+ 0 39.2	1.882	2.845	6.3	19.6
4 1	10 46.29	+ 2 13.4	1.927	2.838	10.0	19.8
4 11	10 42.10	+ 3 36.6	1.996	2.831	13.4	20.0

193967 2001 RC_{93} 3 5.5 87°.55 3°.0/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.78	+10 48.3	1.413	2.265	15.9	20.3
2 11	11 27.72	+11 33.5	1.361	2.282	11.5	20.1
2 21	11 19.01	+12 25.9	1.332	2.298	6.8	19.8
3 2	11 8.67	+13 17.2	1.328	2.315	3.1	19.7
3 12	10 58.09	+13 58.6	1.352	2.331	5.6	19.8
3 22	10 48.64	+14 24.0	1.402	2.347	10.1	20.1
4 1	10 41.41	+14 30.5	1.476	2.362	14.2	20.4
4 11	10 37.03	+14 18.3	1.570	2.378	17.7	20.7

319483 2006 QV_{14} 3 5.5 234.°88 0.°4/ 5.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.54	+ 2 16.8	1.913	2.736	13.6	22.1
2 11	11 24.38	+ 2 47.4	1.821	2.724	10.2	21.8
2 21	11 17.06	+ 3 32.3	1.752	2.712	6.2	21.6
3 2	11 8.21	+ 4 27.4	1.711	2.700	1.8	21.2
3 12	10 58.81	+ 5 26.6	1.699	2.687	2.9	21.3
3 22	10 49.90	+ 6 23.0	1.715	2.673	7.4	21.5
4 1	10 42.46	+ 7 10.8	1.758	2.659	11.5	21.8
4 11	10 37.21	+ 7 45.5	1.824	2.644	15.1	22.0

249569 1989 SL_3 3 5.5 103.°76 0.°1/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.15	+ 2 9.3	2.125	2.941	12.7	21.2
2 11	11 24.27	+ 2 56.7	2.069	2.969	9.3	21.1
2 21	11 16.67	+ 3 56.0	2.037	2.997	5.5	20.9
3 2	11 8.04	+ 5 2.1	2.035	3.024	1.5	20.6
3 12	10 59.27	+ 6 8.8	2.063	3.050	2.6	20.8
3 22	10 51.23	+ 7 10.1	2.121	3.075	6.4	21.1
4 1	10 44.64	+ 8 1.2	2.206	3.100	9.8	21.3
4 11	10 39.99	+ 8 39.3	2.315	3.123	12.6	21.5

428044 2006 DJ_{85} 3 5.5 216.°90 0.°0/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.85	+ 2 31.2	2.110	2.935	12.4	21.5
2 11	11 21.41	+ 3 16.4	2.027	2.932	9.2	21.3
2 21	11 15.16	+ 4 14.8	1.967	2.929	5.5	21.0
3 2	11 7.70	+ 5 21.9	1.936	2.925	1.5	20.8
3 12	10 59.86	+ 6 31.4	1.934	2.922	2.7	20.8
3 22	10 52.51	+ 7 36.8	1.961	2.918	6.7	21.1
4 1	10 46.45	+ 8 32.6	2.016	2.914	10.4	21.3
4 11	10 42.28	+ 9 14.9	2.093	2.909	13.5	21.5

284589 2007 TJ_{193} 3 5.5 181.°71 3.°3/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.73	− 8 1.3	2.446	3.220	12.5	21.0
2 11	11 20.38	− 7 45.3	2.356	3.221	9.9	20.8
2 21	11 14.46	− 7 12.0	2.290	3.221	7.0	20.7
3 2	11 7.51	− 6 22.9	2.251	3.221	4.3	20.5
3 12	11 0.23	− 5 21.9	2.240	3.221	3.5	20.4
3 22	10 53.38	− 4 14.2	2.259	3.220	5.6	20.6
4 1	10 47.63	− 3 5.7	2.306	3.219	8.5	20.7
4 11	10 43.50	− 2 1.8	2.378	3.219	11.3	20.9

144694 2004 GL_1 3 5.5 206.°68 3.°5/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.19	+16 27.7	2.498	3.341	10.1	20.3
2 11	11 22.85	+17 9.1	2.424	3.338	7.4	20.1
2 21	11 15.88	+17 51.1	2.376	3.336	4.8	19.9
3 2	11 7.87	+18 28.6	2.357	3.333	3.5	19.8
3 12	10 59.59	+18 56.5	2.368	3.330	5.1	19.9
3 22	10 51.81	+19 11.6	2.408	3.327	7.8	20.1
4 1	10 45.25	+19 12.0	2.473	3.324	10.5	20.2
4 11	10 40.43	+18 57.8	2.561	3.321	12.9	20.4

397801 2008 QA_{19} 3 5.5 157.°22 2.°8/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 34.10	+10 58.7	1.815	2.654	13.5	21.8
2 11	11 27.62	+11 47.5	1.748	2.663	9.8	21.6
2 21	11 18.87	+12 42.6	1.706	2.671	5.8	21.4
3 2	11 8.67	+13 37.1	1.692	2.677	2.8	21.2
3 12	10 58.12	+14 23.4	1.707	2.683	4.9	21.3
3 22	10 48.38	+14 56.0	1.751	2.689	8.9	21.6
4 1	10 40.43	+15 11.9	1.820	2.693	12.6	21.8
4 11	10 34.91	+15 10.5	1.911	2.697	15.7	22.0

79043 3330 $T\text{-}_2$ 3 5.5 249.°59 0.°0/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.88	+ 2 45.7	1.870	2.696	13.7	20.4
2 11	11 24.00	+ 3 28.2	1.773	2.680	10.3	20.1
2 21	11 16.90	+ 4 26.2	1.700	2.662	6.2	19.9
3 2	11 8.21	+ 5 34.9	1.655	2.645	1.6	19.5
3 12	10 58.88	+ 6 47.4	1.639	2.626	3.1	19.6
3 22	10 50.00	+ 7 55.9	1.651	2.607	7.8	19.8
4 1	10 42.59	+ 8 53.7	1.690	2.588	12.0	20.0
4 11	10 37.42	+ 9 36.3	1.750	2.568	15.7	20.2

124949 2001 TO_{86} 3 5.5 95.°60 0.°9/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.93	+ 6 21.1	1.462	2.304	16.1	20.1
2 11	11 27.80	+ 6 44.8	1.404	2.318	11.8	19.9
2 21	11 19.08	+ 7 20.0	1.368	2.333	6.9	19.6
3 2	11 8.72	+ 8 0.4	1.358	2.348	1.8	19.3
3 12	10 58.07	+ 8 38.6	1.376	2.362	3.9	19.5
3 22	10 48.46	+ 9 8.1	1.421	2.376	8.9	19.8
4 1	10 40.98	+ 9 24.4	1.490	2.389	13.3	20.1
4 11	10 36.29	+ 9 25.6	1.580	2.403	16.9	20.4

417221 2005 YJ_{28} 3 5.5 113.°89 3.°4/ 2.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.29	+12 29.9	1.899	2.750	12.5	21.1
2 11	11 22.61	+13 35.9	1.832	2.752	9.1	20.9
2 21	11 15.91	+14 47.5	1.789	2.754	5.5	20.7
3 2	11 7.90	+15 57.4	1.774	2.756	3.4	20.6
3 12	10 59.55	+16 57.7	1.788	2.758	5.5	20.7
3 22	10 51.84	+17 42.7	1.829	2.760	9.0	20.9
4 1	10 45.67	+18 8.9	1.894	2.762	12.5	21.1
4 11	10 41.62	+18 15.6	1.981	2.763	15.4	21.3

117612 2005 EW_{92} 3 5.5 356.°60 1.°6/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.46	+ 7 51.3	1.144	2.012	17.7	19.7
2 11	11 23.80	+ 8 8.3	1.079	2.007	13.0	19.4
2 21	11 17.09	+ 8 37.7	1.033	2.003	7.7	19.1
3 2	11 8.27	+ 9 12.7	1.012	2.001	2.2	18.8
3 12	10 58.85	+ 9 44.3	1.014	2.000	4.9	18.9
3 22	10 50.43	+10 4.7	1.040	2.000	10.5	19.3
4 1	10 44.36	+10 8.7	1.087	2.002	15.7	19.5
4 11	10 41.46	+ 9 54.2	1.153	2.005	20.0	19.8

172462 2003 SF_4 3 5.5 159.°03 0.°2/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.88	+ 3 56.0	2.010	2.833	13.0	21.6
2 11	11 25.10	+ 4 31.7	1.935	2.840	9.6	21.4
2 21	11 17.33	+ 5 19.1	1.885	2.847	5.7	21.2
3 2	11 8.27	+ 6 13.3	1.863	2.853	1.4	20.9
3 12	10 58.88	+ 7 8.2	1.871	2.858	2.9	21.0
3 22	10 50.12	+ 7 57.8	1.909	2.862	7.1	21.3
4 1	10 42.87	+ 8 37.2	1.973	2.866	10.8	21.5
4 11	10 37.72	+ 9 3.6	2.060	2.869	14.0	21.8

349041 2006 VF_{84} 3 5.5 88.°99 1.°7/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.64	− 2 29.6	2.428	3.229	11.8	21.6
2 11	11 20.23	− 2 5.3	2.352	3.239	9.0	21.4
2 21	11 14.33	− 1 27.4	2.300	3.250	5.8	21.2
3 2	11 7.47	− 0 38.6	2.277	3.260	2.6	21.0
3 12	11 0.38	+ 0 16.5	2.283	3.270	2.4	21.0
3 22	10 53.77	+ 1 12.9	2.319	3.281	5.4	21.2
4 1	10 48.29	+ 2 5.7	2.382	3.291	8.5	21.5
4 11	10 44.41	+ 2 50.7	2.470	3.301	11.3	21.7

183190 2002 SC_{70} 3 5.5 78.°09 2.°0/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 34.63	+ 9 47.7	1.623	2.465	14.7	21.1
2 11	11 27.99	+10 9.2	1.572	2.488	10.7	20.9
2 21	11 19.02	+10 37.0	1.545	2.510	6.2	20.7
3 2	11 8.68	+11 5.1	1.545	2.533	2.2	20.5
3 12	10 58.21	+11 27.1	1.573	2.555	4.3	20.7
3 22	10 48.80	+11 38.5	1.629	2.577	8.6	21.0
4 1	10 41.40	+11 36.8	1.710	2.599	12.4	21.3
4 11	10 36.56	+11 21.5	1.813	2.620	15.6	21.5

253187 2002 XX_{25} 3 5.5 162.°22 0.°1/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.40	+ 2 53.9	2.122	2.941	12.6	20.7
2 11	11 23.94	+ 3 26.8	2.045	2.947	9.3	20.5
2 21	11 16.62	+ 4 11.6	1.992	2.952	5.6	20.3
3 2	11 8.09	+ 5 4.0	1.968	2.957	1.5	20.0
3 12	10 59.23	+ 5 58.2	1.973	2.961	2.6	20.1
3 22	10 50.95	+ 6 48.7	2.008	2.964	6.6	20.4
4 1	10 44.05	+ 7 30.5	2.070	2.967	10.2	20.6
4 11	10 39.11	+ 8 0.5	2.156	2.969	13.3	20.8

498620 2008 RS_{110} 3 5.5 120.°56 0.°3/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.07	+ 3 23.7	2.162	2.988	12.1	21.8
2 11	11 21.44	+ 4 12.9	2.090	2.997	8.9	21.6
2 21	11 15.11	+ 5 13.9	2.043	3.005	5.2	21.4
3 2	11 7.69	+ 6 21.6	2.024	3.013	1.3	21.1
3 12	10 59.99	+ 7 29.9	2.035	3.021	2.7	21.2
3 22	10 52.84	+ 8 32.7	2.075	3.029	6.6	21.5
4 1	10 46.99	+ 9 25.0	2.142	3.037	10.0	21.7
4 11	10 42.96	+10 3.6	2.232	3.044	12.9	21.9

117960 6784 $P\text{–}L$ 3 5.5 122.°85 2.°3/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.33	+12 0.9	2.285	3.123	11.1	19.8
2 11	11 23.74	+12 30.2	2.215	3.130	8.1	19.6
2 21	11 16.42	+13 3.0	2.172	3.136	4.8	19.4
3 2	11 8.02	+13 34.5	2.157	3.142	2.3	19.2
3 12	10 59.38	+13 59.8	2.172	3.148	4.1	19.3
3 22	10 51.34	+14 15.1	2.216	3.154	7.3	19.6
4 1	10 44.64	+14 18.4	2.286	3.159	10.4	19.8
4 11	10 39.80	+14 8.8	2.379	3.165	13.0	19.9

237991 2002 SV_{51} 3 5.5 87.°04 2.°8/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.53	+10 55.2	2.123	2.970	11.5	19.9
2 11	11 21.07	+12 9.3	2.062	2.981	8.3	19.7
2 21	11 14.89	+13 29.5	2.027	2.993	4.9	19.5
3 2	11 7.63	+14 48.9	2.020	3.004	2.8	19.4
3 12	11 0.12	+16 0.2	2.043	3.016	4.7	19.6
3 22	10 53.21	+16 58.0	2.095	3.027	8.0	19.8
4 1	10 47.64	+17 38.5	2.171	3.038	11.1	20.0
4 11	10 43.92	+18 0.8	2.270	3.049	13.8	20.2

87094 2000 LA_7 3 5.5 52.°90 0.°3/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.60	+ 1 32.4	1.618	2.452	15.1	19.4
2 11	11 22.34	+ 2 15.9	1.549	2.458	11.2	19.2
2 21	11 15.86	+ 3 16.6	1.503	2.465	6.8	19.0
3 2	11 7.91	+ 4 28.6	1.483	2.472	1.9	18.7
3 12	10 59.59	+ 5 44.0	1.490	2.478	3.1	18.7
3 22	10 52.01	+ 6 54.3	1.525	2.486	7.8	19.0
4 1	10 46.12	+ 7 52.6	1.585	2.493	12.1	19.3
4 11	10 42.58	+ 8 34.3	1.667	2.500	15.7	19.6

378720 2008 QQ_{13} 3 5.5 211°.48 0°.4/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.84	+ 5 47.7	2.334	3.157	11.5	21.0
2 11	11 24.19	+ 6 5.7	2.246	3.151	8.5	20.8
2 21	11 16.76	+ 6 31.8	2.183	3.145	5.0	20.6
3 2	11 8.15	+ 7 2.4	2.149	3.139	1.3	20.3
3 12	10 59.15	+ 7 33.0	2.146	3.132	2.7	20.4
3 22	10 50.63	+ 7 59.3	2.172	3.125	6.4	20.7
4 1	10 43.36	+ 8 17.8	2.226	3.117	9.9	20.8
4 11	10 37.93	+ 8 26.2	2.304	3.109	12.8	21.0

280170 2002 RE_{17} 3 5.5 160°.43 0°.3/ 5.8 17

2 1	11 26.63	+ 2 34.6	2.479	3.295	11.1	21.2
2 11	11 21.69	+ 3 3.9	2.399	3.299	8.2	21.0
2 21	11 15.20	+ 3 43.4	2.344	3.303	4.9	20.8
3 2	11 7.72	+ 4 29.7	2.318	3.307	1.4	20.5
3 12	10 59.97	+ 5 18.1	2.323	3.311	2.3	20.6
3 22	10 52.68	+ 6 4.0	2.357	3.314	5.7	20.8
4 1	10 46.52	+ 6 43.3	2.419	3.316	8.9	21.0
4 11	10 42.00	+ 7 12.8	2.505	3.318	11.7	21.2

416936 2005 SY_{112} 3 5.5 151°.45 0°.4/ 5.1 16

2 1	11 32.94	+ 6 11.2	2.284	3.103	11.8	22.2
2 11	11 26.36	+ 6 22.5	2.209	3.112	8.7	22.0
2 21	11 17.98	+ 6 41.0	2.159	3.120	5.1	21.8
3 2	11 8.45	+ 7 3.3	2.139	3.128	1.3	21.5
3 12	10 58.66	+ 7 25.0	2.150	3.136	2.7	21.6
3 22	10 49.47	+ 7 42.3	2.191	3.142	6.4	21.9
4 1	10 41.69	+ 7 52.2	2.260	3.149	9.8	22.1
4 11	10 35.86	+ 7 52.7	2.352	3.154	12.7	22.3

522224 2016 AM_{265} 3 5.5 0°.02 9°.7/25.8 16

2 1	11 28.38	+25 37.0	1.394	2.264	15.0	20.3
2 11	11 24.18	+27 21.4	1.345	2.262	12.0	20.1
2 21	11 17.16	+28 58.3	1.319	2.261	10.0	20.0
3 2	11 8.28	+30 14.4	1.316	2.261	10.0	20.0
3 12	10 58.98	+30 59.5	1.338	2.261	12.1	20.1
3 22	10 50.72	+31 9.1	1.381	2.262	15.2	20.3
4 1	10 44.70	+30 44.1	1.445	2.264	18.2	20.5
4 11	10 41.61	+29 49.7	1.524	2.266	20.9	20.7

377144 Okietex 3 5.5 208°.78 2°.2/ 2.7 17

2 1	11 27.01	+10 36.7	2.538	3.374	10.2	21.3
2 11	11 22.03	+11 35.3	2.454	3.368	7.4	21.1
2 21	11 15.45	+12 40.0	2.397	3.361	4.4	20.9
3 2	11 7.81	+13 45.3	2.369	3.354	2.2	20.8
3 12	10 59.82	+14 45.5	2.372	3.346	4.0	20.9
3 22	10 52.25	+15 35.7	2.404	3.337	7.1	21.0
4 1	10 45.79	+16 12.6	2.463	3.328	10.0	21.2
4 11	10 40.98	+16 34.4	2.546	3.319	12.6	21.4

459865 2013 XZ_{8} 3 5.5 351°.39 2°.9/15.7 18

2 1	11 14.32	−21 47.2	7.940	8.583	5.2	19.1
2 11	11 11.98	−21 55.1	7.831	8.576	4.5	19.0
2 21	11 9.20	−21 55.5	7.745	8.569	3.8	19.0
3 2	11 6.13	−21 48.6	7.684	8.563	3.2	18.9
3 12	11 2.98	−21 34.8	7.650	8.556	2.9	18.9
3 22	10 59.93	−21 15.1	7.644	8.550	2.9	18.9
4 1	10 57.18	−20 50.7	7.666	8.544	3.4	18.9
4 11	10 54.87	−20 23.3	7.714	8.538	4.0	19.0

43369 2000 WP_{3} 3 5.5 121°.90 7°.9/26.5 18

2 1	11 31.39	+12 57.9	1.189	2.058	17.1	18.1
2 11	11 26.65	+16 50.1	1.144	2.073	12.4	17.9
2 21	11 18.76	+20 53.9	1.125	2.087	8.6	17.7
3 2	11 8.73	+24 44.9	1.135	2.100	8.4	17.8
3 12	10 58.15	+27 59.8	1.174	2.113	11.8	18.0
3 22	10 48.68	+30 25.5	1.237	2.125	16.0	18.3
4 1	10 41.72	+31 59.1	1.321	2.137	19.8	18.5
4 11	10 38.06	+32 46.1	1.421	2.147	22.8	18.8

313671 2003 SG_{209} 3 5.5 137°.65 1°.2/ 6.7 18

2 1	11 31.02	− 0 19.1	2.068	2.875	13.3	22.6
2 11	11 25.10	+ 0 8.7	1.997	2.890	10.0	22.5
2 21	11 17.29	+ 0 50.9	1.950	2.904	6.2	22.2
3 2	11 8.28	+ 1 43.6	1.931	2.918	2.3	22.0
3 12	10 59.00	+ 2 41.1	1.942	2.930	2.6	22.1
3 22	10 50.38	+ 3 37.5	1.983	2.942	6.4	22.3
4 1	10 43.23	+ 4 27.2	2.052	2.953	10.0	22.6
4 11	10 38.13	+ 5 6.4	2.144	2.964	13.1	22.8

384959 2012 TU_{148} 3 5.5 144°.30 2°.5/ 8.3 17

2 1	11 26.92	− 4 13.6	2.519	3.306	11.8	21.5
2 11	11 21.89	− 4 8.9	2.436	3.313	9.2	21.3
2 21	11 15.33	− 3 50.6	2.378	3.319	6.2	21.2
3 2	11 7.77	− 3 20.4	2.347	3.325	3.3	21.0
3 12	10 59.93	− 2 41.8	2.346	3.330	2.8	21.0
3 22	10 52.54	− 1 59.1	2.375	3.336	5.4	21.1
4 1	10 46.28	− 1 16.8	2.432	3.341	8.4	21.3
4 11	10 41.63	− 0 39.2	2.514	3.345	11.1	21.5

415808 2001 PY_{30} 3 5.5 103°.49 6°.9/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.95	+23 30.3	2.133	2.980	11.5	21.5
2 11	11 25.06	+25 43.0	2.102	3.008	8.9	21.4
2 21	11 17.25	+27 49.4	2.099	3.036	7.1	21.3
3 2	11 8.27	+29 39.6	2.125	3.063	7.2	21.4
3 12	10 59.09	+31 6.0	2.180	3.089	8.9	21.5
3 22	10 50.70	+32 4.8	2.262	3.115	11.2	21.7
4 1	10 43.90	+32 35.9	2.367	3.139	13.4	21.9
4 11	10 39.23	+32 42.0	2.490	3.163	15.2	22.1

431223 2006 SA_{284} 3 5.5 198°.37 4°.5/28.5 17

2 1	11 28.54	+21 45.6	2.919	3.758	8.9	21.6
2 11	11 22.96	+22 36.9	2.847	3.755	6.8	21.5
2 21	11 15.91	+23 25.5	2.803	3.751	5.0	21.3
3 2	11 7.92	+24 6.5	2.788	3.746	4.5	21.3
3 12	10 59.69	+24 35.3	2.804	3.741	5.8	21.4
3 22	10 51.92	+24 49.3	2.847	3.736	7.9	21.5
4 1	10 45.23	+24 47.4	2.917	3.730	10.1	21.6
4 11	10 40.10	+24 30.2	3.008	3.724	12.0	21.8

245933 2006 RF_{47} 3 5.5 202°.46 0°.6/ 4.7 17

2 1	11 25.56	+ 5 49.8	2.784	3.607	9.8	21.9
2 11	11 20.81	+ 6 27.0	2.696	3.603	7.2	21.8
2 21	11 14.67	+ 7 11.9	2.636	3.599	4.2	21.6
3 2	11 7.61	+ 8 0.7	2.605	3.594	1.1	21.3
3 12	11 0.26	+ 8 49.1	2.604	3.589	2.5	21.4
3 22	10 53.29	+ 9 32.8	2.634	3.584	5.6	21.6
4 1	10 47.29	+10 8.5	2.692	3.578	8.5	21.8
4 11	10 42.76	+10 33.7	2.774	3.572	11.1	22.0

233289 2006 AL_{96} 3 5.5 26°.94 3°.4/ 2.1 18

2 1	11 24.90	+10 28.2	1.642	2.500	13.7	19.6
2 11	11 21.10	+11 52.3	1.580	2.505	9.9	19.3
2 21	11 15.13	+13 25.6	1.542	2.510	5.9	19.1
3 2	11 7.75	+14 59.0	1.532	2.516	3.4	19.0
3 12	11 0.02	+16 22.5	1.549	2.522	5.8	19.1
3 22	10 53.01	+17 28.4	1.593	2.529	9.7	19.4
4 1	10 47.67	+18 12.1	1.660	2.536	13.5	19.6
4 11	10 44.62	+18 32.6	1.748	2.543	16.6	19.8

498283 2007 VQ_{50} 3 5.5 74°.94 4°.2/10.1 17

2 1	11 25.69	− 9 23.2	2.231	3.002	13.6	21.3
2 11	11 21.19	− 9 25.2	2.151	3.010	11.0	21.1
2 21	11 14.99	− 9 8.4	2.094	3.019	8.0	21.0
3 2	11 7.70	− 8 34.0	2.063	3.028	5.3	20.8
3 12	11 0.10	− 7 45.4	2.061	3.036	4.3	20.8
3 22	10 53.02	− 6 47.8	2.086	3.045	6.2	20.9
4 1	10 47.18	− 5 47.2	2.139	3.054	9.0	21.1
4 11	10 43.13	− 4 49.6	2.216	3.062	11.8	21.3

467793 2009 XU 3 5.5 205°.20 0°.7/ 4.7 17

2 1	11 26.58	+ 4 45.1	2.091	2.922	12.3	21.6
2 11	11 21.98	+ 5 35.8	2.009	2.919	9.0	21.3
2 21	11 15.54	+ 6 38.3	1.952	2.917	5.3	21.1
3 2	11 7.86	+ 7 47.3	1.924	2.914	1.3	20.8
3 12	10 59.81	+ 8 56.2	1.925	2.910	3.1	21.0
3 22	10 52.26	+ 9 58.5	1.955	2.907	7.1	21.2
4 1	10 46.04	+10 49.1	2.012	2.903	10.7	21.4
4 11	10 41.74	+11 24.8	2.091	2.899	13.8	21.6

219809 2002 AQ_{186} 3 5.5 82°.16 2°.1/ 7.2 18

2 1	11 32.58	− 0 25.3	1.833	2.643	14.6	20.2
2 11	11 26.41	− 0 38.0	1.768	2.661	11.1	20.1
2 21	11 18.13	− 0 36.7	1.726	2.678	7.1	19.8
3 2	11 8.53	− 0 23.8	1.711	2.695	3.2	19.6
3 12	10 58.66	− 0 3.3	1.725	2.712	3.0	19.7
3 22	10 49.59	+ 0 19.8	1.768	2.729	6.8	19.9
4 1	10 42.22	+ 0 40.7	1.837	2.746	10.6	20.2
4 11	10 37.14	+ 0 55.3	1.929	2.762	13.9	20.4

82806 2001 QO_{31} 3 5.5 216°.13 0°.6/ 6.2 17

2 1	11 28.36	+ 1 7.6	2.362	3.172	11.8	20.7
2 11	11 23.15	+ 1 41.4	2.267	3.163	8.8	20.5
2 21	11 16.20	+ 2 27.8	2.196	3.153	5.4	20.2
3 2	11 8.05	+ 3 23.5	2.154	3.142	1.7	20.0
3 12	10 59.47	+ 4 23.4	2.143	3.131	2.4	20.0
3 22	10 51.30	+ 5 21.9	2.162	3.119	6.1	20.2
4 1	10 44.29	+ 6 14.0	2.209	3.106	9.6	20.4
4 11	10 39.06	+ 6 55.6	2.280	3.093	12.7	20.6

305422 2008 CF_{134} 3 5.5 278°.27 0°.4/ 6.0 17

2 1	11 24.02	+ 1 43.3	2.439	3.258	11.2	21.1
2 11	11 19.92	+ 2 18.1	2.345	3.246	8.3	20.9
2 21	11 14.26	+ 3 4.7	2.276	3.235	5.1	20.7
3 2	11 7.53	+ 3 59.8	2.235	3.223	1.5	20.4
3 12	11 0.44	+ 4 58.5	2.224	3.212	2.3	20.4
3 22	10 53.71	+ 5 55.5	2.242	3.200	5.9	20.6
4 1	10 48.05	+ 6 45.9	2.288	3.188	9.2	20.8
4 11	10 43.99	+ 7 26.1	2.357	3.177	12.1	21.0

324516 2006 VV_{55} 3 5.5 117.°82 1.°7/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.63	+ 7 47.1	1.809	2.650	13.5	21.4
2 11	11 24.35	+ 8 32.9	1.743	2.659	9.8	21.2
2 21	11 16.97	+ 9 27.9	1.702	2.668	5.7	20.9
3 2	11 8.24	+10 26.0	1.688	2.676	1.9	20.7
3 12	10 59.19	+11 19.9	1.702	2.684	4.0	20.9
3 22	10 50.88	+12 3.4	1.745	2.692	8.1	21.1
4 1	10 44.22	+12 32.4	1.813	2.700	11.9	21.4
4 11	10 39.80	+12 45.1	1.902	2.708	15.1	21.6

142864 2002 VR_{29} 3 5.5 111.°53 7.°2/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.22	+24 10.3	1.936	2.785	12.4	20.2
2 11	11 26.15	+25 44.6	1.896	2.804	9.6	20.1
2 21	11 17.95	+27 12.5	1.882	2.823	7.6	20.0
3 2	11 8.47	+28 24.5	1.896	2.841	7.4	20.0
3 12	10 58.82	+29 13.5	1.936	2.858	9.0	20.1
3 22	10 50.07	+29 36.4	2.003	2.875	11.5	20.3
4 1	10 43.10	+29 33.6	2.092	2.892	14.0	20.5
4 11	10 38.47	+29 8.2	2.201	2.908	16.1	20.7

250097 2002 GW_{100} 3 5.5 291.°29 1.°7/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.90	− 1 23.1	1.522	2.350	16.2	20.8
2 11	11 23.06	− 0 55.0	1.423	2.327	12.5	20.5
2 21	11 16.64	− 0 4.5	1.346	2.304	8.0	20.2
3 2	11 8.26	+ 1 5.3	1.294	2.280	3.2	19.9
3 12	10 59.02	+ 2 27.2	1.268	2.257	3.3	19.8
3 22	10 50.21	+ 3 51.7	1.269	2.234	8.5	20.0
4 1	10 43.11	+ 5 8.8	1.295	2.210	13.6	20.3
4 11	10 38.66	+ 6 10.8	1.341	2.187	18.0	20.5

337575 2001 SC_{317} 3 5.5 157.°12 4.°7/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.72	−14 21.5	2.784	3.514	12.2	21.5
2 11	11 20.23	−14 10.7	2.694	3.519	10.1	21.3
2 21	11 14.35	−13 41.4	2.626	3.525	7.8	21.2
3 2	11 7.55	−12 54.1	2.584	3.529	5.6	21.1
3 12	11 0.49	−11 51.6	2.571	3.534	4.7	21.0
3 22	10 53.82	−10 38.4	2.587	3.538	5.7	21.1
4 1	10 48.15	− 9 20.2	2.633	3.542	7.8	21.2
4 11	10 43.94	− 8 2.9	2.704	3.545	10.1	21.4

374542 2006 BS_{69} 3 5.5 228.°63 1.°4/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.74	+ 8 6.8	2.031	2.868	12.4	21.4
2 11	11 23.61	+ 8 39.0	1.950	2.864	9.0	21.1
2 21	11 16.53	+ 9 19.2	1.895	2.861	5.3	20.9
3 2	11 8.15	+10 2.4	1.868	2.857	1.7	20.6
3 12	10 59.38	+10 42.7	1.870	2.853	3.6	20.8
3 22	10 51.17	+11 14.9	1.900	2.849	7.5	21.0
4 1	10 44.38	+11 35.2	1.957	2.844	11.2	21.2
4 11	10 39.64	+11 41.7	2.035	2.840	14.3	21.4

376281 2011 FS_{73} 3 5.5 101.°16 0.°2/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.84	+ 1 31.4	2.015	2.837	13.0	21.3
2 11	11 22.09	+ 2 25.0	1.949	2.853	9.6	21.2
2 21	11 15.54	+ 3 32.5	1.908	2.868	5.8	20.9
3 2	11 7.87	+ 4 48.7	1.895	2.884	1.6	20.7
3 12	10 59.96	+ 6 6.6	1.911	2.899	2.7	20.8
3 22	10 52.68	+ 7 19.2	1.956	2.913	6.7	21.1
4 1	10 46.80	+ 8 21.0	2.029	2.928	10.3	21.3
4 11	10 42.87	+ 9 8.2	2.124	2.942	13.3	21.6

313697 2003 TN_{16} 3 5.5 111.°70 2.°2/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.47	− 3 9.9	1.834	2.637	14.9	21.2
2 11	11 24.89	− 2 46.1	1.768	2.656	11.4	21.0
2 21	11 17.25	− 2 4.2	1.725	2.674	7.4	20.8
3 2	11 8.32	− 1 7.6	1.709	2.692	3.4	20.5
3 12	10 59.13	− 0 2.6	1.722	2.709	3.0	20.6
3 22	10 50.70	+ 1 3.6	1.763	2.725	6.8	20.8
4 1	10 43.90	+ 2 4.4	1.832	2.741	10.6	21.1
4 11	10 39.32	+ 2 54.4	1.923	2.757	13.9	21.3

284348 2006 RJ_{77} 3 5.5 180.°84 0.°4/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.51	+ 4 56.8	2.815	3.635	9.8	22.1
2 11	11 20.76	+ 5 32.8	2.731	3.636	7.2	21.9
2 21	11 14.64	+ 6 16.6	2.674	3.636	4.2	21.7
3 2	11 7.63	+ 7 4.9	2.647	3.636	1.1	21.5
3 12	11 0.38	+ 7 53.2	2.650	3.636	2.3	21.6
3 22	10 53.51	+ 8 37.6	2.684	3.635	5.4	21.8
4 1	10 47.61	+ 9 14.4	2.746	3.634	8.3	22.0
4 11	10 43.15	+ 9 41.3	2.832	3.632	10.8	22.1

89145 2001 UH_{33} 3 5.5 132.°51 2.°3/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.24	+ 8 5.8	1.722	2.563	14.0	20.0
2 11	11 25.61	+ 9 16.2	1.660	2.577	10.2	19.8
2 21	11 17.74	+10 36.8	1.624	2.590	5.9	19.6
3 2	11 8.46	+11 59.7	1.615	2.602	2.4	19.4
3 12	10 58.88	+13 15.7	1.635	2.614	4.7	19.6
3 22	10 50.11	+14 17.7	1.683	2.625	8.9	19.8
4 1	10 43.11	+15 1.1	1.756	2.635	12.7	20.1
4 11	10 38.50	+15 24.3	1.851	2.645	15.9	20.3

61931 2000 RS_{5} 3 5.5 93.°47 1.°2/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 33.02	+ 6 28.6	1.606	2.443	15.0	19.2
2 11	11 26.89	+ 7 10.0	1.553	2.467	10.9	19.0
2 21	11 18.45	+ 8 2.2	1.524	2.490	6.3	18.8
3 2	11 8.63	+ 8 58.2	1.523	2.512	1.8	18.5
3 12	10 58.63	+ 9 50.4	1.549	2.534	3.9	18.7
3 22	10 49.62	+10 32.3	1.604	2.555	8.4	19.0
4 1	10 42.56	+10 59.6	1.683	2.576	12.4	19.3
4 11	10 38.02	+11 10.8	1.784	2.596	15.7	19.6

105259 2000 QU_{13} 3 5.5 106.°52 1.°4/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.79	+ 0 13.4	2.024	2.835	13.4	19.6
2 11	11 24.96	+ 0 22.4	1.957	2.852	10.1	19.4
2 21	11 17.23	+ 0 44.5	1.914	2.868	6.3	19.2
3 2	11 8.31	+ 1 16.6	1.899	2.885	2.5	19.0
3 12	10 59.16	+ 1 53.9	1.913	2.900	2.6	19.0
3 22	10 50.70	+ 2 31.2	1.956	2.916	6.4	19.3
4 1	10 43.74	+ 3 3.8	2.026	2.931	10.0	19.5
4 11	10 38.84	+ 3 27.9	2.120	2.946	13.0	19.7

92454 2000 KV_{25} 3 5.5 260.°31 4.°3/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.35	+13 14.0	1.517	2.373	14.8	19.4
2 11	11 26.26	+14 15.9	1.439	2.362	10.9	19.1
2 21	11 18.45	+15 25.0	1.384	2.350	6.8	18.9
3 2	11 8.72	+16 32.3	1.356	2.338	4.3	18.7
3 12	10 58.34	+17 27.7	1.355	2.326	6.8	18.8
3 22	10 48.68	+18 3.8	1.380	2.314	11.1	19.0
4 1	10 40.99	+18 16.7	1.428	2.302	15.3	19.2
4 11	10 36.10	+18 6.3	1.494	2.289	19.0	19.4

466212 2012 RU_{26} 3 5.5 243.°98 0.°5/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.73	+ 1 6.1	2.547	3.357	11.0	22.5
2 11	11 21.92	+ 1 43.8	2.442	3.338	8.3	22.3
2 21	11 15.48	+ 2 34.0	2.362	3.319	5.1	22.1
3 2	11 7.89	+ 3 33.3	2.311	3.299	1.6	21.8
3 12	10 59.87	+ 4 37.0	2.291	3.278	2.2	21.8
3 22	10 52.14	+ 5 39.7	2.301	3.257	5.8	22.0
4 1	10 45.45	+ 6 36.4	2.339	3.236	9.2	22.2
4 11	10 40.36	+ 7 23.1	2.402	3.213	12.2	22.4

424150 2007 GH_{28} 3 5.5 336.°30 3.°7/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.20	− 7 23.0	1.407	2.227	17.8	20.1
2 11	11 18.14	− 6 46.4	1.317	2.210	14.1	19.8
2 21	11 13.69	− 5 38.6	1.247	2.195	9.8	19.5
3 2	11 7.48	− 4 1.7	1.201	2.180	5.4	19.2
3 12	11 0.61	− 2 3.7	1.180	2.167	4.1	19.1
3 22	10 54.30	+ 0 3.5	1.184	2.154	8.2	19.3
4 1	10 49.71	+ 2 6.3	1.213	2.143	13.0	19.5
4 11	10 47.67	+ 3 53.3	1.263	2.133	17.4	19.8

324016 2005 UV_{348} 3 5.5 182.°90 6.°5/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.97	−16 33.0	2.272	2.995	14.7	20.6
2 11	11 22.99	−16 49.0	2.180	2.996	12.5	20.4
2 21	11 16.17	−16 42.4	2.108	2.996	10.0	20.2
3 2	11 8.08	−16 12.3	2.062	2.995	7.7	20.1
3 12	10 59.56	−15 20.6	2.042	2.995	6.5	20.0
3 22	10 51.50	−14 12.2	2.050	2.993	7.4	20.1
4 1	10 44.71	−12 53.8	2.085	2.992	9.7	20.2
4 11	10 39.82	−11 33.2	2.145	2.989	12.2	20.4

468548 2006 SH_{141} 3 5.5 160.°45 5.°0/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.30	+25 8.5	3.064	3.899	8.7	22.1
2 11	11 23.43	+26 0.9	3.006	3.905	6.8	22.0
2 21	11 16.16	+26 48.5	2.975	3.911	5.3	21.9
3 2	11 8.03	+27 26.2	2.974	3.917	5.1	21.9
3 12	10 59.73	+27 50.0	3.002	3.922	6.3	21.9
3 22	10 51.94	+27 57.9	3.058	3.927	8.1	22.1
4 1	10 45.25	+27 49.5	3.139	3.931	10.0	22.2
4 11	10 40.11	+27 26.0	3.242	3.934	11.6	22.3

59335 1999 CR_{106} 3 5.5 12.°34 5.°7/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.08	−10 38.9	1.311	2.119	19.5	18.1
2 11	11 19.52	−10 28.7	1.242	2.122	15.8	17.9
2 21	11 14.44	− 9 45.8	1.191	2.126	11.6	17.6
3 2	11 7.66	− 8 31.5	1.162	2.132	7.5	17.4
3 12	11 0.38	− 6 52.8	1.158	2.139	5.8	17.3
3 22	10 53.90	− 5 1.3	1.178	2.147	8.5	17.5
4 1	10 49.34	− 3 10.0	1.222	2.155	12.6	17.8
4 11	10 47.42	− 1 30.3	1.288	2.165	16.7	18.0

226760 2004 RK_{74} 3 5.5 313.°25 1.°6/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.01	+ 9 33.9	1.656	2.500	14.3	19.3
2 11	11 26.52	+ 9 38.3	1.571	2.487	10.6	19.0
2 21	11 18.51	+ 9 49.2	1.509	2.475	6.3	18.7
3 2	11 8.73	+10 1.6	1.474	2.463	2.0	18.4
3 12	10 58.36	+10 9.9	1.467	2.451	4.1	18.6
3 22	10 48.65	+10 9.6	1.487	2.439	8.8	18.8
4 1	10 40.73	+ 9 57.4	1.532	2.428	13.1	19.0
4 11	10 35.41	+ 9 32.1	1.598	2.418	16.9	19.2

273036 2006 DV_{125} 3 5.5 75.°56 0.°5/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.65	+ 1 28.5	1.894	2.720	13.6	21.1
2 11	11 22.12	+ 2 3.6	1.822	2.727	10.1	20.9
2 21	11 15.66	+ 2 53.0	1.775	2.735	6.1	20.7
3 2	11 7.94	+ 3 52.3	1.754	2.743	1.9	20.4
3 12	10 59.91	+ 4 55.0	1.762	2.750	2.7	20.5
3 22	10 52.50	+ 5 54.3	1.798	2.758	6.9	20.8
4 1	10 46.56	+ 6 44.6	1.861	2.766	10.7	21.0
4 11	10 42.68	+ 7 21.8	1.946	2.773	14.0	21.3

301513 2009 FU_{7} 3 5.5 203.°67 2.°6/ 2.2 17

2 1	11 26.80	+13 48.4	2.802	3.640	9.3	21.6
2 11	11 21.74	+14 29.7	2.722	3.636	6.8	21.4
2 21	11 15.24	+15 13.4	2.670	3.632	4.2	21.2
3 2	11 7.82	+15 55.0	2.647	3.628	2.6	21.1
3 12	11 0.13	+16 30.1	2.654	3.623	4.1	21.2
3 22	10 52.86	+16 55.2	2.691	3.618	6.7	21.3
4 1	10 46.61	+17 8.2	2.755	3.613	9.3	21.5
4 11	10 41.88	+17 8.3	2.842	3.607	11.6	21.7

421686 2014 OE_{392} 3 5.5 128.°01 1.°0/ 6.6 18

2 1	11 29.65	− 0 10.3	2.292	3.096	12.3	22.0
2 11	11 23.94	+ 0 25.4	2.223	3.115	9.2	21.8
2 21	11 16.56	+ 1 14.0	2.179	3.134	5.7	21.6
3 2	11 8.16	+ 2 11.8	2.164	3.151	2.0	21.4
3 12	10 59.55	+ 3 13.3	2.180	3.168	2.3	21.5
3 22	10 51.53	+ 4 13.0	2.226	3.184	5.9	21.7
4 1	10 44.83	+ 5 5.9	2.301	3.200	9.2	21.9
4 11	10 39.95	+ 5 48.4	2.399	3.214	12.0	22.2

195560 2002 JK_{72} 3 5.5 357.°92 1.°8/ 3.8 18

2 1	11 23.50	+ 5 58.3	1.558	2.412	14.6	19.3
2 11	11 20.24	+ 7 10.1	1.487	2.409	10.6	19.0
2 21	11 14.74	+ 8 36.8	1.439	2.408	6.1	18.8
3 2	11 7.73	+10 10.6	1.418	2.407	2.0	18.5
3 12	11 0.29	+11 41.3	1.423	2.406	4.5	18.7
3 22	10 53.51	+12 59.6	1.456	2.407	9.1	18.9
4 1	10 48.41	+13 58.8	1.512	2.408	13.3	19.2
4 11	10 45.65	+14 35.6	1.588	2.409	16.9	19.4

119585 2001 VX_{108} 3 5.5 37.°43 0.°7/ 4.9 18

2 1	11 29.01	+ 5 54.9	1.642	2.484	14.6	20.3
2 11	11 24.13	+ 6 20.2	1.573	2.488	10.7	20.0
2 21	11 16.96	+ 6 56.7	1.527	2.493	6.3	19.8
3 2	11 8.31	+ 7 39.2	1.508	2.498	1.6	19.5
3 12	10 59.27	+ 8 20.8	1.517	2.503	3.5	19.6
3 22	10 51.00	+ 8 55.1	1.553	2.509	8.1	19.9
4 1	10 44.49	+ 9 17.6	1.613	2.515	12.3	20.2
4 11	10 40.38	+ 9 25.5	1.695	2.521	15.8	20.4

433053 2012 SD_{62} 3 5.5 167.°96 2.°8/ 9.0 17

2 1	11 24.64	− 6 58.1	2.556	3.334	11.9	22.1
2 11	11 20.28	− 6 29.8	2.468	3.336	9.4	21.9
2 21	11 14.43	− 5 44.9	2.403	3.339	6.5	21.7
3 2	11 7.62	− 4 45.7	2.367	3.341	3.7	21.5
3 12	11 0.52	− 3 36.4	2.359	3.343	2.9	21.5
3 22	10 53.83	− 2 22.2	2.382	3.344	5.3	21.6
4 1	10 48.19	− 1 9.0	2.434	3.345	8.2	21.8
4 11	10 44.10	− 0 2.0	2.511	3.346	11.0	22.0

153421 2001 QX_{178} 3 5.5 183.°43 3.°9/ 2.0 18

2 1	11 34.65	+14 45.3	1.951	2.791	12.7	20.5
2 11	11 28.04	+15 39.7	1.878	2.792	9.3	20.3
2 21	11 19.20	+16 37.1	1.831	2.793	5.9	20.1
3 2	11 8.90	+17 30.1	1.813	2.792	3.9	20.0
3 12	10 58.20	+18 11.6	1.824	2.790	5.9	20.1
3 22	10 48.21	+18 36.6	1.864	2.788	9.4	20.3
4 1	10 39.92	+18 42.8	1.929	2.785	12.8	20.5
4 11	10 33.98	+18 30.8	2.015	2.780	15.7	20.7

466298 2013 QY_{10} 3 5.5 109.°93 3.°5/ 1.4 18

2 1	11 30.20	+16 5.3	2.499	3.339	10.3	21.6
2 11	11 24.19	+17 3.1	2.451	3.364	7.5	21.4
2 21	11 16.63	+18 1.1	2.429	3.388	4.8	21.3
3 2	11 8.17	+18 53.5	2.437	3.412	3.6	21.2
3 12	10 59.60	+19 35.3	2.475	3.435	5.1	21.4
3 22	10 51.68	+20 3.1	2.542	3.457	7.6	21.6
4 1	10 45.06	+20 15.4	2.636	3.479	10.2	21.8
4 11	10 40.20	+20 12.6	2.752	3.500	12.3	22.0

138303 2000 GB_{54} 3 5.5 21.°18 1.°2/ 6.5 18

2 1	11 25.14	+ 0 3.9	1.275	2.121	17.7	19.6
2 11	11 21.75	+ 0 33.0	1.214	2.128	13.3	19.3
2 21	11 15.74	+ 1 23.6	1.173	2.136	8.2	19.1
3 2	11 8.01	+ 2 30.3	1.157	2.145	2.8	18.8
3 12	10 59.86	+ 3 43.7	1.165	2.154	3.4	18.8
3 22	10 52.63	+ 4 53.8	1.199	2.165	8.6	19.2
4 1	10 47.43	+ 5 51.9	1.256	2.177	13.5	19.5
4 11	10 44.97	+ 6 32.4	1.333	2.190	17.5	19.7

296197 2009 BN_{186} 3 5.5 5.°42 3.°7/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.07	− 4 46.0	2.026	2.819	14.1	20.8
2 11	11 23.89	− 5 16.4	1.942	2.819	11.1	20.6
2 21	11 16.74	− 5 31.7	1.881	2.820	7.8	20.4
3 2	11 8.26	− 5 32.2	1.847	2.820	4.7	20.2
3 12	10 59.36	− 5 20.5	1.841	2.821	4.0	20.1
3 22	10 50.98	− 5 0.5	1.863	2.823	6.7	20.3
4 1	10 44.02	− 4 37.2	1.911	2.825	10.0	20.5
4 11	10 39.10	− 4 15.6	1.983	2.827	13.1	20.7

54833 2001 NW_{12} 3 5.5 269.°99 1.°1/ 4.6 18

2 1	11 29.17	+ 6 30.0	1.715	2.556	14.1	19.4
2 11	11 24.31	+ 7 3.9	1.633	2.548	10.4	19.2
2 21	11 17.15	+ 7 49.2	1.575	2.540	6.1	18.9
3 2	11 8.40	+ 8 40.3	1.543	2.533	1.7	18.6
3 12	10 59.12	+ 9 30.2	1.540	2.525	3.8	18.7
3 22	10 50.45	+10 12.0	1.564	2.517	8.4	19.0
4 1	10 43.45	+10 40.7	1.613	2.509	12.6	19.2
4 11	10 38.83	+10 53.5	1.683	2.501	16.2	19.4

286300 2001 WH_{16} 3 5.5 179.°88 3.°5/29.8 17

2 1	11 27.85	+17 56.9	2.932	3.771	8.9	21.8
2 11	11 22.44	+18 44.9	2.861	3.773	6.6	21.7
2 21	11 15.63	+19 32.6	2.817	3.773	4.4	21.5
3 2	11 7.94	+20 15.1	2.803	3.774	3.5	21.5
3 12	11 0.02	+20 48.2	2.819	3.773	4.9	21.5
3 22	10 52.54	+21 8.9	2.865	3.773	7.2	21.7
4 1	10 46.11	+21 15.6	2.937	3.772	9.5	21.8
4 11	10 41.17	+21 8.4	3.032	3.770	11.5	22.0

365365 2009 TL_{21} 3 5.5 63.°02 3.°4/ 9.2 18

2 1	11 25.11	− 8 0.6	1.764	2.557	15.8	20.2
2 11	11 21.09	− 7 19.5	1.695	2.573	12.4	20.0
2 21	11 15.09	− 6 14.1	1.649	2.588	8.5	19.8
3 2	11 7.82	− 4 48.1	1.628	2.604	4.8	19.6
3 12	11 0.26	− 3 8.7	1.635	2.620	3.7	19.6
3 22	10 53.40	− 1 25.2	1.671	2.636	6.7	19.8
4 1	10 48.08	+ 0 13.4	1.733	2.652	10.5	20.1
4 11	10 44.88	+ 1 39.6	1.818	2.668	13.9	20.3

339489 2005 GG_{13} 3 5.5 219.°81 0.°2/ 5.2 17

2 1	11 24.55	+ 3 4.1	2.348	3.172	11.4	20.7
2 11	11 20.35	+ 3 58.7	2.263	3.169	8.4	20.5
2 21	11 14.56	+ 5 5.4	2.203	3.165	5.0	20.2
3 2	11 7.69	+ 6 19.6	2.171	3.161	1.2	20.0
3 12	11 0.49	+ 7 35.2	2.170	3.157	2.6	20.1
3 22	10 53.70	+ 8 46.1	2.198	3.152	6.3	20.3
4 1	10 48.05	+ 9 47.2	2.254	3.148	9.6	20.5
4 11	10 44.07	+10 35.0	2.334	3.143	12.5	20.7

88172 2000 XD_{28} 3 5.5 169.°24 2.°1/ 7.9 18

2 1	11 29.10	− 3 25.7	2.710	3.493	11.2	20.0
2 11	11 23.43	− 3 17.9	2.623	3.498	8.6	19.8
2 21	11 16.27	− 2 57.7	2.561	3.503	5.7	19.6
3 2	11 8.13	− 2 26.9	2.527	3.507	2.9	19.4
3 12	10 59.71	− 1 48.8	2.525	3.510	2.5	19.4
3 22	10 51.71	− 1 7.4	2.553	3.512	5.2	19.6
4 1	10 44.77	− 0 26.9	2.610	3.514	8.1	19.8
4 11	10 39.41	+ 0 8.8	2.692	3.515	10.7	20.0

100504 1997 AU_{8} 3 5.5 353.°41 0.°0/ 5.3 18

2 1	11 26.01	+ 3 18.5	1.277	2.130	17.1	20.1
2 11	11 22.54	+ 3 49.1	1.206	2.126	12.8	19.8
2 21	11 16.33	+ 4 38.2	1.156	2.123	7.7	19.5
3 2	11 8.22	+ 5 39.6	1.131	2.120	2.0	19.1
3 12	10 59.53	+ 6 44.2	1.130	2.118	3.8	19.2
3 22	10 51.65	+ 7 42.3	1.154	2.117	9.4	19.6
4 1	10 45.84	+ 8 26.1	1.201	2.117	14.4	19.8
4 11	10 42.90	+ 8 51.0	1.268	2.118	18.6	20.1

419905 2011 AY_{74} 3 5.5 102.°36 9.°5/12.9 17

2 1	11 34.07	−18 29.1	1.928	2.641	17.3	20.6
2 11	11 27.91	−19 54.2	1.845	2.645	15.0	20.5
2 21	11 19.32	−20 56.0	1.782	2.649	12.6	20.3
3 2	11 9.01	−21 30.4	1.742	2.653	10.4	20.2
3 12	10 58.04	−21 36.2	1.728	2.657	9.5	20.1
3 22	10 47.61	−21 16.0	1.740	2.660	10.2	20.2
4 1	10 38.82	−20 36.1	1.776	2.664	12.1	20.3
4 11	10 32.49	−19 45.3	1.836	2.668	14.5	20.5

414873 2010 VV_{176} 3 5.5 121.°06 4.°4/ 1.9 18

2 1	11 34.23	+16 54.4	1.859	2.705	12.9	21.2
2 11	11 27.69	+17 35.6	1.800	2.715	9.6	21.0
2 21	11 18.95	+18 16.6	1.766	2.726	6.2	20.8
3 2	11 8.84	+18 50.3	1.759	2.735	4.4	20.7
3 12	10 58.50	+19 10.5	1.781	2.745	6.3	20.8
3 22	10 49.03	+19 13.6	1.831	2.754	9.6	21.0
4 1	10 41.37	+18 58.7	1.905	2.763	12.8	21.3
4 11	10 36.12	+18 27.0	2.001	2.772	15.6	21.5

110822 2001 UN_{51} 3 5.5 164°.08 4°.6/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.07	+22 28.4	3.077	3.917	8.5	20.1
2 11	11 21.85	+23 35.5	3.017	3.923	6.5	20.0
2 21	11 15.29	+24 39.7	2.985	3.929	4.9	19.9
3 2	11 7.88	+25 35.8	2.982	3.933	4.6	19.8
3 12	11 0.26	+26 19.4	3.009	3.938	5.9	19.9
3 22	10 53.08	+26 47.7	3.065	3.942	7.8	20.1
4 1	10 46.91	+26 59.6	3.146	3.945	9.8	20.2
4 11	10 42.19	+26 55.7	3.248	3.948	11.5	20.3

300075 2006 UV_{208} 3 5.5 180°.57 2°.4/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.37	− 5 27.2	2.654	3.438	11.3	21.4
2 11	11 20.05	− 5 5.2	2.565	3.438	8.9	21.2
2 21	11 14.31	− 4 28.6	2.499	3.439	6.0	21.0
3 2	11 7.64	− 3 39.3	2.462	3.439	3.3	20.9
3 12	11 0.68	− 2 41.3	2.454	3.438	2.7	20.8
3 22	10 54.10	− 1 39.1	2.476	3.438	5.1	21.0
4 1	10 48.52	− 0 38.1	2.527	3.437	8.0	21.2
4 11	10 44.42	+ 0 17.4	2.603	3.437	10.7	21.3

126557 2002 CT_{102} 3 5.5 6°.53 1°.7/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.66	+ 8 2.2	1.546	2.398	14.8	19.4
2 11	11 23.30	+ 8 34.0	1.477	2.398	10.8	19.1
2 21	11 16.58	+ 9 16.0	1.432	2.399	6.3	18.9
3 2	11 8.27	+10 1.7	1.412	2.401	2.0	18.6
3 12	10 59.55	+10 43.7	1.419	2.403	4.3	18.7
3 22	10 51.60	+11 15.4	1.452	2.406	8.9	19.0
4 1	10 45.46	+11 32.3	1.510	2.409	13.1	19.3
4 11	10 41.82	+11 32.4	1.588	2.413	16.7	19.5

376462 2012 HM_{79} 3 5.5 273°.94 1°.3/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.04	− 0 18.6	1.905	2.724	13.8	21.5
2 11	11 22.66	+ 0 7.9	1.808	2.707	10.5	21.2
2 21	11 16.18	+ 0 51.0	1.734	2.691	6.7	20.9
3 2	11 8.19	+ 1 47.6	1.687	2.674	2.5	20.6
3 12	10 59.61	+ 2 51.7	1.668	2.657	2.8	20.6
3 22	10 51.46	+ 3 56.5	1.678	2.639	7.1	20.9
4 1	10 44.71	+ 4 55.1	1.713	2.622	11.3	21.1
4 11	10 40.08	+ 5 42.0	1.772	2.605	14.9	21.3

291085 2005 YP_{123} 3 5.5 49°.08 2°.3/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.30	+ 9 53.7	1.827	2.674	13.1	20.6
2 11	11 23.46	+10 39.5	1.757	2.676	9.5	20.4
2 21	11 16.54	+11 32.8	1.711	2.678	5.6	20.2
3 2	11 8.25	+12 27.3	1.693	2.680	2.4	20.0
3 12	10 59.59	+13 15.7	1.703	2.682	4.5	20.1
3 22	10 51.61	+13 52.3	1.740	2.684	8.5	20.3
4 1	10 45.21	+14 13.3	1.802	2.686	12.2	20.6
4 11	10 41.02	+14 17.4	1.886	2.688	15.3	20.8

293189 2007 AS_{25} 3 5.5 10°.73 10°.1/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.67	+23 44.5	1.212	2.096	15.8	19.0
2 11	11 20.97	+25 58.0	1.173	2.099	12.5	18.8
2 21	11 15.41	+28 5.0	1.155	2.103	10.3	18.7
3 2	11 7.97	+29 49.8	1.161	2.110	10.5	18.7
3 12	11 0.14	+31 0.0	1.190	2.117	12.9	18.9
3 22	10 53.40	+31 30.2	1.240	2.126	16.2	19.1
4 1	10 48.94	+31 21.2	1.308	2.136	19.3	19.3
4 11	10 47.42	+30 38.6	1.391	2.147	21.9	19.5

521301 2015 KA_{169} 3 5.5 303°.56 0°.9/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.95	− 0 38.6	2.207	3.023	12.3	21.4
2 11	11 19.38	+ 0 6.8	2.106	3.005	9.3	21.1
2 21	11 14.10	+ 1 8.3	2.031	2.987	5.8	20.9
3 2	11 7.62	+ 2 22.3	1.982	2.970	2.1	20.6
3 12	11 0.69	+ 3 43.0	1.963	2.952	2.4	20.6
3 22	10 54.11	+ 5 3.5	1.974	2.935	6.3	20.8
4 1	10 48.67	+ 6 17.3	2.011	2.917	10.0	21.0
4 11	10 44.97	+ 7 19.2	2.072	2.900	13.2	21.2

164332 2005 AW_{79} 3 5.5 162°.13 0°.9/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.68	+ 6 6.0	2.013	2.840	12.8	21.2
2 11	11 25.75	+ 6 45.5	1.938	2.847	9.4	21.0
2 21	11 17.82	+ 7 34.8	1.889	2.853	5.5	20.8
3 2	11 8.58	+ 8 28.8	1.869	2.858	1.5	20.5
3 12	10 59.01	+ 9 21.0	1.878	2.863	3.3	20.7
3 22	10 50.08	+10 5.8	1.917	2.867	7.4	20.9
4 1	10 42.66	+10 38.8	1.982	2.870	11.0	21.2
4 11	10 37.38	+10 57.7	2.070	2.872	14.2	21.4

408376 2013 GG_{96} 3 5.5 333°.87 1°.6/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.19	+ 8 24.7	1.387	2.239	16.2	20.7
2 11	11 26.98	+ 8 38.5	1.314	2.234	11.9	20.5
2 21	11 18.93	+ 9 2.1	1.263	2.230	7.0	20.2
3 2	11 8.93	+ 9 29.3	1.237	2.226	2.1	19.8
3 12	10 58.34	+ 9 52.9	1.238	2.223	4.5	20.0
3 22	10 48.62	+10 6.6	1.264	2.220	9.7	20.3
4 1	10 41.04	+10 6.2	1.314	2.217	14.4	20.5
4 11	10 36.39	+ 9 50.1	1.384	2.215	18.4	20.8

148506 2001 OG_{7} 3 5.5 190°.00 3°.4/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.03	− 7 18.2	2.578	3.343	12.1	20.9
2 11	11 24.27	− 7 18.9	2.482	3.341	9.7	20.7
2 21	11 16.86	− 7 4.3	2.411	3.339	6.9	20.5
3 2	11 8.34	− 6 35.5	2.367	3.336	4.2	20.4
3 12	10 59.43	− 5 55.2	2.354	3.332	3.5	20.3
3 22	10 50.92	− 5 7.7	2.371	3.328	5.7	20.4
4 1	10 43.53	− 4 18.0	2.416	3.322	8.5	20.6
4 11	10 37.82	− 3 31.0	2.488	3.316	11.3	20.8

242532 2005 AJ_{69} 3 5.5 61°.98 3°.7/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.11	+10 32.4	1.448	2.308	15.1	19.9
2 11	11 23.75	+11 55.2	1.388	2.314	11.0	19.6
2 21	11 16.88	+13 28.0	1.352	2.320	6.5	19.4
3 2	11 8.36	+15 0.6	1.342	2.326	3.7	19.2
3 12	10 59.44	+16 22.0	1.358	2.332	6.3	19.4
3 22	10 51.38	+17 23.7	1.401	2.339	10.6	19.6
4 1	10 45.29	+18 1.0	1.466	2.346	14.7	19.9
4 11	10 41.84	+18 13.4	1.551	2.352	18.1	20.1

212020 2005 CD_{14} 3 5.5 285°.71 1°.5/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.66	+ 1 56.5	1.604	2.430	15.6	20.1
2 11	11 27.31	+ 1 45.4	1.503	2.406	12.0	19.8
2 21	11 19.23	+ 1 47.9	1.424	2.383	7.6	19.5
3 2	11 9.06	+ 2 1.8	1.372	2.359	2.8	19.1
3 12	10 57.98	+ 2 22.6	1.346	2.335	3.3	19.1
3 22	10 47.31	+ 2 44.7	1.349	2.311	8.4	19.3
4 1	10 38.40	+ 3 2.2	1.376	2.286	13.3	19.6
4 11	10 32.21	+ 3 10.4	1.424	2.262	17.6	19.8

299287 2005 PB_{10} 3 5.5 279°.98 1°.2/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.78	+ 6 33.6	2.347	3.181	11.0	20.9
2 11	11 20.66	+ 7 28.0	2.248	3.160	8.1	20.6
2 21	11 14.83	+ 8 32.7	2.175	3.140	4.7	20.4
3 2	11 7.82	+ 9 42.8	2.130	3.119	1.5	20.1
3 12	11 0.36	+10 52.2	2.115	3.097	3.3	20.2
3 22	10 53.22	+11 55.0	2.129	3.076	6.9	20.4
4 1	10 47.19	+12 46.2	2.170	3.055	10.4	20.6
4 11	10 42.85	+13 22.7	2.234	3.033	13.4	20.7

65446 2002 VP_{25} 3 5.5 192°.15 0°.0/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.09	+ 2 19.2	2.631	3.446	10.5	20.0
2 11	11 20.60	+ 3 7.8	2.544	3.444	7.8	19.8
2 21	11 14.66	+ 4 7.5	2.483	3.442	4.7	19.6
3 2	11 7.76	+ 5 14.3	2.451	3.440	1.3	19.3
3 12	11 0.57	+ 6 23.0	2.450	3.437	2.2	19.4
3 22	10 53.75	+ 7 28.5	2.480	3.434	5.6	19.6
4 1	10 47.96	+ 8 26.2	2.537	3.431	8.7	19.8
4 11	10 43.68	+ 9 12.7	2.619	3.427	11.4	20.0

104928 2000 JS_{25} 3 5.5 278°.60 4°.2/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.87	− 9 35.6	2.207	2.979	13.7	20.1
2 11	11 20.76	− 9 29.0	2.114	2.973	11.1	19.9
2 21	11 14.91	− 9 2.6	2.042	2.968	8.1	19.7
3 2	11 7.85	− 8 17.3	1.996	2.962	5.3	19.5
3 12	11 0.38	− 7 16.7	1.979	2.956	4.3	19.4
3 22	10 53.33	− 6 6.4	1.990	2.950	6.3	19.5
4 1	10 47.48	− 4 53.0	2.028	2.944	9.3	19.7
4 11	10 43.44	− 3 43.2	2.090	2.939	12.4	19.9

221200 2005 UA_{56} 3 5.5 150°.78 0°.6/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.59	+ 1 15.9	2.221	3.034	12.3	21.1
2 11	11 23.33	+ 1 47.1	2.144	3.042	9.2	20.9
2 21	11 16.33	+ 2 30.9	2.092	3.049	5.6	20.7
3 2	11 8.21	+ 3 23.3	2.068	3.056	1.8	20.4
3 12	10 59.78	+ 4 19.0	2.075	3.063	2.4	20.5
3 22	10 51.90	+ 5 12.6	2.110	3.068	6.2	20.7
4 1	10 45.33	+ 5 59.0	2.174	3.074	9.6	21.0
4 11	10 40.60	+ 6 34.7	2.261	3.079	12.6	21.2

278608 2008 PZ_{15} 3 5.5 225°.71 0°.5/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.52	+ 4 33.8	2.349	3.172	11.4	22.0
2 11	11 22.61	+ 5 17.4	2.255	3.161	8.4	21.7
2 21	11 15.96	+ 6 11.6	2.188	3.150	5.0	21.5
3 2	11 8.13	+ 7 12.3	2.149	3.139	1.3	21.2
3 12	10 59.88	+ 8 13.7	2.141	3.127	2.8	21.3
3 22	10 52.04	+ 9 10.3	2.163	3.114	6.5	21.5
4 1	10 45.35	+ 9 57.3	2.211	3.101	10.0	21.7
4 11	10 40.43	+10 31.6	2.284	3.087	12.9	21.9

338892 2004 CB_{16} 3 5.5 95°.24 0°.1/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.97	+ 4 7.0	2.236	3.062	11.8	21.3
2 11	11 22.10	+ 4 37.4	2.166	3.073	8.7	21.1
2 21	11 15.58	+ 5 17.6	2.122	3.084	5.1	20.9
3 2	11 8.00	+ 6 3.6	2.105	3.094	1.3	20.7
3 12	11 0.19	+ 6 50.2	2.118	3.105	2.6	20.8
3 22	10 52.93	+ 7 32.5	2.160	3.116	6.2	21.0
4 1	10 46.94	+ 8 6.2	2.229	3.126	9.6	21.2
4 11	10 42.74	+ 8 28.8	2.322	3.137	12.4	21.5

495010 2010 MA_{112} 3 5.5 207°.28 1°.3/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.75	+ 6 51.2	2.030	2.860	12.6	22.9
2 11	11 25.19	+ 7 36.0	1.944	2.855	9.3	22.6
2 21	11 17.58	+ 8 30.9	1.884	2.848	5.4	22.4
3 2	11 8.57	+ 9 30.4	1.852	2.841	1.6	22.1
3 12	10 59.10	+10 27.9	1.850	2.833	3.6	22.2
3 22	10 50.15	+11 17.3	1.877	2.825	7.7	22.5
4 1	10 42.65	+11 53.9	1.931	2.815	11.4	22.7
4 11	10 37.25	+12 15.2	2.007	2.805	14.7	22.9

31879 2000 FL_{12} 3 5.5 184°.33 5°.0/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.91	+22 10.3	2.742	3.585	9.3	18.4
2 11	11 22.66	+23 24.0	2.677	3.585	7.2	18.2
2 21	11 15.87	+24 35.1	2.640	3.585	5.4	18.1
3 2	11 8.08	+25 37.7	2.631	3.584	5.1	18.1
3 12	11 0.03	+26 26.3	2.653	3.582	6.5	18.2
3 22	10 52.43	+26 57.6	2.702	3.581	8.7	18.3
4 1	10 45.98	+27 10.4	2.776	3.578	10.8	18.5
4 11	10 41.16	+27 5.4	2.870	3.575	12.8	18.6

7934 Sinatra 3 5.5 19°.02 0°.0/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.90	+ 1 4.2	1.363	2.210	16.7	17.7
2 11	11 20.76	+ 2 3.4	1.298	2.215	12.4	17.4
2 21	11 15.16	+ 3 24.1	1.255	2.220	7.4	17.2
3 2	11 7.94	+ 4 58.9	1.237	2.227	2.0	16.8
3 12	11 0.29	+ 6 36.9	1.246	2.234	3.5	17.0
3 22	10 53.46	+ 8 7.3	1.280	2.242	8.7	17.3
4 1	10 48.51	+ 9 21.1	1.337	2.251	13.4	17.6
4 11	10 46.12	+10 13.1	1.415	2.260	17.3	17.8

27549 Joannemichet 3 5.5 235°.38 0°.2/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.68	+ 5 19.0	1.809	2.639	13.9	18.4
2 11	11 26.05	+ 5 28.0	1.727	2.636	10.3	18.2
2 21	11 18.16	+ 5 47.2	1.669	2.632	6.2	17.9
3 2	11 8.73	+ 6 12.5	1.639	2.628	1.6	17.6
3 12	10 58.83	+ 6 38.7	1.637	2.624	3.1	17.7
3 22	10 49.56	+ 7 0.6	1.663	2.620	7.6	17.9
4 1	10 41.93	+ 7 13.8	1.715	2.615	11.8	18.2
4 11	10 36.65	+ 7 15.7	1.789	2.611	15.3	18.4

496067 2009 QR_{41} 3 5.5 175°.98 0°.3/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.02	+ 0 36.3	2.490	3.298	11.3	22.3
2 11	11 22.07	+ 1 34.3	2.405	3.301	8.4	22.1
2 21	11 15.55	+ 2 45.5	2.346	3.303	5.1	21.9
3 2	11 8.01	+ 4 5.6	2.316	3.305	1.5	21.6
3 12	11 0.16	+ 5 28.7	2.318	3.305	2.3	21.7
3 22	10 52.74	+ 6 48.7	2.350	3.306	5.8	21.9
4 1	10 46.43	+ 8 0.2	2.411	3.305	9.1	22.1
4 11	10 41.76	+ 8 59.3	2.497	3.304	11.9	22.3

303480 2005 EV_{30} 3 5.5 50°.12 3°.1/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.23	+ 9 39.7	1.264	2.126	16.7	20.4
2 11	11 25.39	+10 37.3	1.219	2.145	12.1	20.2
2 21	11 17.83	+11 44.5	1.196	2.164	7.1	20.0
3 2	11 8.62	+12 51.6	1.197	2.184	3.2	19.8
3 12	10 59.20	+13 48.2	1.225	2.205	5.7	20.0
3 22	10 50.95	+14 27.1	1.277	2.225	10.4	20.3
4 1	10 44.96	+14 44.6	1.352	2.246	14.7	20.6
4 11	10 41.84	+14 40.6	1.447	2.267	18.3	20.9

166965 2003 NZ_{7} 3 5.5 166°.04 2°.0/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.99	+ 8 37.3	2.062	2.896	12.3	20.9
2 11	11 25.24	+ 9 34.6	1.990	2.902	9.0	20.7
2 21	11 17.53	+10 40.0	1.943	2.907	5.2	20.5
3 2	11 8.55	+11 47.5	1.924	2.912	2.1	20.3
3 12	10 59.23	+12 50.0	1.936	2.916	4.1	20.4
3 22	10 50.53	+13 41.6	1.977	2.919	7.8	20.7
4 1	10 43.31	+14 18.2	2.045	2.921	11.3	20.9
4 11	10 38.15	+14 38.3	2.135	2.922	14.3	21.1

221275 2005 UD_{340} 3 5.5 167°.05 1°.4/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.59	+ 7 13.0	2.033	2.868	12.4	21.0
2 11	11 23.52	+ 7 58.9	1.958	2.871	9.1	20.8
2 21	11 16.53	+ 8 54.1	1.908	2.873	5.3	20.5
3 2	11 8.29	+ 9 52.9	1.887	2.875	1.7	20.3
3 12	10 59.70	+10 49.0	1.894	2.877	3.6	20.4
3 22	10 51.70	+11 36.4	1.931	2.878	7.5	20.7
4 1	10 45.12	+12 10.9	1.993	2.880	11.1	20.9
4 11	10 40.55	+12 30.3	2.078	2.880	14.1	21.1

197279 2003 WD_{102} 3 5.5 132°.83 1°.3/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.98	+ 8 6.6	2.530	3.358	10.5	21.4
2 11	11 22.66	+ 8 48.1	2.462	3.372	7.6	21.2
2 21	11 15.84	+ 9 35.9	2.420	3.384	4.4	21.1
3 2	11 8.09	+10 25.4	2.408	3.397	1.5	20.9
3 12	11 0.12	+11 11.6	2.427	3.408	3.1	21.0
3 22	10 52.68	+11 50.5	2.475	3.420	6.3	21.2
4 1	10 46.40	+12 18.8	2.551	3.430	9.2	21.4
4 11	10 41.77	+12 35.0	2.651	3.441	11.7	21.6

208455 2001 TN_{181} 3 5.5 192°.35 0°.0/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.84	+ 4 48.4	2.607	3.426	10.5	20.4
2 11	11 22.61	+ 5 5.3	2.522	3.424	7.8	20.2
2 21	11 15.86	+ 5 29.9	2.462	3.423	4.6	20.0
3 2	11 8.11	+ 5 59.2	2.432	3.421	1.2	19.8
3 12	11 0.06	+ 6 29.4	2.432	3.419	2.3	19.9
3 22	10 52.44	+ 6 56.5	2.462	3.417	5.7	20.1
4 1	10 45.91	+ 7 17.4	2.520	3.414	8.7	20.3
4 11	10 40.96	+ 7 29.6	2.603	3.411	11.4	20.4

493043 2014 SG_{257} 3 5.5 250°.01 0°.0/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.60	+ 2 56.2	1.822	2.648	14.1	22.1
2 11	11 25.45	+ 3 32.5	1.723	2.629	10.6	21.9
2 21	11 17.95	+ 4 24.0	1.648	2.610	6.4	21.6
3 2	11 8.74	+ 5 26.4	1.601	2.590	1.7	21.2
3 12	10 58.82	+ 6 32.6	1.582	2.569	3.2	21.3
3 22	10 49.33	+ 7 35.2	1.591	2.548	8.0	21.5
4 1	10 41.36	+ 8 27.5	1.627	2.525	12.4	21.7
4 11	10 35.73	+ 9 4.8	1.684	2.503	16.2	21.9

422163 2014 RB_{7} 3 5.5 189°.78 0°.8/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.67	+ 5 33.3	2.086	2.912	12.5	22.0
2 11	11 25.05	+ 6 12.6	2.004	2.911	9.2	21.7
2 21	11 17.46	+ 7 2.3	1.946	2.909	5.4	21.5
3 2	11 8.56	+ 7 57.5	1.918	2.907	1.4	21.2
3 12	10 59.25	+ 8 52.0	1.919	2.904	3.2	21.3
3 22	10 50.49	+ 9 40.0	1.950	2.900	7.2	21.6
4 1	10 43.15	+10 17.0	2.007	2.896	10.9	21.8
4 11	10 37.84	+10 40.2	2.088	2.891	14.0	22.0

91701 1999 TS_{142} 3 5.5 105°.54 0°.9/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.71	+ 0 38.4	2.195	3.006	12.5	19.8
2 11	11 23.36	+ 1 4.6	2.129	3.025	9.3	19.7
2 21	11 16.31	+ 1 43.2	2.087	3.043	5.7	19.5
3 2	11 8.22	+ 2 30.5	2.074	3.061	2.0	19.3
3 12	10 59.92	+ 3 21.5	2.090	3.079	2.3	19.3
3 22	10 52.24	+ 4 10.7	2.136	3.096	6.0	19.6
4 1	10 45.89	+ 4 53.5	2.210	3.112	9.4	19.8
4 11	10 41.40	+ 5 26.4	2.307	3.129	12.3	20.0

125085 2001 UG_{13} 3 5.5 79°.25 2°.2/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.98	+ 9 26.5	1.815	2.654	13.5	20.3
2 11	11 25.90	+10 18.3	1.771	2.686	9.7	20.1
2 21	11 17.82	+11 16.6	1.751	2.717	5.6	19.9
3 2	11 8.61	+12 14.3	1.760	2.747	2.3	19.8
3 12	10 59.31	+13 4.6	1.798	2.777	4.3	20.0
3 22	10 50.94	+13 42.3	1.864	2.807	8.1	20.3
4 1	10 44.31	+14 4.3	1.956	2.836	11.6	20.5
4 11	10 39.92	+14 10.2	2.070	2.864	14.4	20.8

231736 1999 MD 3 5.5 226°.59 2°.5/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.44	+12 36.2	2.618	3.458	9.8	21.2
2 11	11 21.65	+13 25.0	2.535	3.450	7.2	21.0
2 21	11 15.33	+14 17.7	2.479	3.442	4.3	20.8
3 2	11 7.99	+15 9.4	2.452	3.434	2.5	20.7
3 12	11 0.34	+15 54.9	2.455	3.426	4.1	20.8
3 22	10 53.09	+16 30.2	2.487	3.417	7.0	21.0
4 1	10 46.92	+16 52.5	2.546	3.408	9.8	21.1
4 11	10 42.33	+17 0.7	2.628	3.399	12.3	21.3

429965 2012 VG_{65} 3 5.5 158°.92 2°.9/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.52	+14 10.5	2.433	3.274	10.4	21.5
2 11	11 23.19	+14 49.5	2.361	3.276	7.6	21.3
2 21	11 16.23	+15 30.6	2.316	3.279	4.7	21.1
3 2	11 8.23	+16 8.8	2.300	3.281	2.9	21.0
3 12	10 59.97	+16 39.1	2.314	3.283	4.5	21.1
3 22	10 52.24	+16 57.9	2.356	3.285	7.4	21.3
4 1	10 45.75	+17 3.2	2.425	3.287	10.3	21.5
4 11	10 41.01	+16 54.6	2.517	3.289	12.8	21.6

369397 2009 VP_{105} 3 5.5 107°.90 0°.6/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.38	+ 4 34.1	2.118	2.944	12.3	21.5
2 11	11 23.19	+ 5 21.7	2.055	2.962	9.0	21.3
2 21	11 16.25	+ 6 19.7	2.017	2.980	5.2	21.1
3 2	11 8.23	+ 7 22.9	2.007	2.997	1.3	20.9
3 12	11 0.00	+ 8 25.0	2.028	3.014	2.9	21.0
3 22	10 52.41	+ 9 20.3	2.078	3.030	6.7	21.3
4 1	10 46.20	+10 4.3	2.154	3.046	10.1	21.5
4 11	10 41.89	+10 34.5	2.254	3.061	13.0	21.8

378421 2007 RX_{205} 3 5.5 72°.82 0°.4/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.06	+ 6 19.2	2.109	2.934	12.4	20.8
2 11	11 25.77	+ 6 26.1	2.053	2.959	9.1	20.6
2 21	11 17.71	+ 6 40.4	2.022	2.984	5.3	20.4
3 2	11 8.60	+ 6 58.3	2.019	3.009	1.4	20.2
3 12	10 59.37	+ 7 15.5	2.047	3.033	2.7	20.4
3 22	10 50.90	+ 7 28.3	2.104	3.058	6.5	20.6
4 1	10 43.94	+ 7 33.7	2.188	3.082	9.9	20.9
4 11	10 38.98	+ 7 30.1	2.295	3.106	12.7	21.1

382705 2002 VR_{146} 3 5.5 144.°18 5.°2/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.74	+22 2.5	2.423	3.267	10.4	21.3
2 11	11 24.11	+22 59.7	2.364	3.273	7.9	21.1
2 21	11 16.77	+23 53.5	2.331	3.279	5.8	21.0
3 2	11 8.37	+24 37.5	2.326	3.284	5.3	21.0
3 12	10 59.75	+25 6.6	2.351	3.289	6.8	21.0
3 22	10 51.74	+25 17.8	2.403	3.294	9.1	21.2
4 1	10 45.07	+25 10.4	2.480	3.299	11.5	21.4
4 11	10 40.27	+24 45.8	2.577	3.303	13.6	21.5

362135 2009 DA_{70} 3 5.5 273.°12 1.°2/ 6.5 16

2 1	11 29.28	+ 0 32.1	1.634	2.460	15.4	21.2
2 11	11 24.69	+ 0 52.0	1.540	2.443	11.7	20.9
2 21	11 17.61	+ 1 29.7	1.467	2.426	7.4	20.6
3 2	11 8.70	+ 2 21.7	1.421	2.409	2.6	20.3
3 12	10 59.04	+ 3 21.6	1.402	2.391	3.1	20.2
3 22	10 49.88	+ 4 21.7	1.411	2.373	8.1	20.5
4 1	10 42.38	+ 5 14.3	1.444	2.355	12.8	20.7
4 11	10 37.40	+ 5 53.7	1.499	2.337	16.9	20.9

205557 2001 SU_{272} 3 5.5 82.°72 1.°1/ 6.8 18

2 1	11 27.08	+ 0 25.7	2.279	3.090	12.1	20.5
2 11	11 22.17	+ 0 41.0	2.208	3.103	9.1	20.3
2 21	11 15.63	+ 1 8.2	2.161	3.116	5.7	20.1
3 2	11 8.08	+ 1 44.2	2.143	3.129	2.1	19.9
3 12	11 0.29	+ 2 24.5	2.154	3.142	2.3	19.9
3 22	10 53.04	+ 3 4.6	2.195	3.155	5.8	20.2
4 1	10 47.05	+ 3 39.9	2.262	3.168	9.0	20.4
4 11	10 42.80	+ 4 7.0	2.354	3.181	11.9	20.6

298801 2004 QD_{22} 3 5.5 113.°80 6.°8/13.5 18

2 1	11 29.79	−19 1.3	1.852	2.572	17.7	20.4
2 11	11 24.54	−18 29.4	1.779	2.594	14.9	20.2
2 21	11 17.19	−17 25.4	1.725	2.615	11.7	20.1
3 2	11 8.50	−15 50.2	1.696	2.635	8.6	19.9
3 12	10 59.55	−13 49.3	1.694	2.655	6.9	19.9
3 22	10 51.37	−11 32.5	1.721	2.674	7.8	20.0
4 1	10 44.87	− 9 11.6	1.777	2.692	10.5	20.2
4 11	10 40.63	− 6 57.5	1.857	2.709	13.5	20.4

131501 2001 SX_{272} 3 5.5 152.°83 8.°1/22.5 18

2 1	11 31.32	+36 11.3	2.778	3.595	10.0	19.9
2 11	11 25.26	+37 31.2	2.739	3.602	8.7	19.9
2 21	11 17.45	+38 38.8	2.726	3.609	8.1	19.8
3 2	11 8.55	+39 27.8	2.739	3.615	8.5	19.9
3 12	10 59.46	+39 53.9	2.779	3.621	9.5	19.9
3 22	10 51.02	+39 55.7	2.843	3.626	11.0	20.1
4 1	10 44.00	+39 34.4	2.928	3.631	12.5	20.2
4 11	10 38.90	+38 53.2	3.030	3.636	13.8	20.3

109762 2001 RG_{76} 3 5.5 189.°53 1.°4/ 3.9 17

2 1	11 28.98	+ 7 47.4	2.595	3.420	10.4	20.8
2 11	11 23.49	+ 8 37.5	2.510	3.418	7.6	20.6
2 21	11 16.42	+ 9 34.9	2.453	3.416	4.4	20.4
3 2	11 8.30	+10 35.0	2.425	3.414	1.5	20.2
3 12	10 59.87	+11 32.4	2.429	3.410	3.2	20.3
3 22	10 51.85	+12 22.4	2.463	3.405	6.4	20.5
4 1	10 44.96	+13 1.3	2.525	3.400	9.5	20.7
4 11	10 39.70	+13 27.1	2.611	3.394	12.1	20.9

216140 2006 ST_{119} 3 5.5 244.°71 2.°0/ 3.6 16

2 1	11 27.87	+ 7 15.9	1.799	2.641	13.5	20.9
2 11	11 23.37	+ 8 24.5	1.714	2.631	9.8	20.6
2 21	11 16.66	+ 9 46.0	1.654	2.621	5.8	20.3
3 2	11 8.42	+11 13.1	1.622	2.610	2.2	20.1
3 12	10 59.63	+12 37.0	1.618	2.599	4.5	20.2
3 22	10 51.37	+13 49.5	1.643	2.588	8.8	20.4
4 1	10 44.65	+14 44.4	1.692	2.576	12.8	20.7
4 11	10 40.19	+15 19.0	1.763	2.564	16.3	20.9

179087 2001 SR_{158} 3 5.5 274.°31 1.°1/ 4.7 18

2 1	11 31.70	+ 7 43.1	1.756	2.594	13.9	19.9
2 11	11 26.20	+ 7 57.3	1.672	2.586	10.3	19.6
2 21	11 18.34	+ 8 20.2	1.613	2.578	6.1	19.4
3 2	11 8.87	+ 8 46.8	1.580	2.570	1.7	19.1
3 12	10 58.86	+ 9 11.4	1.576	2.562	3.7	19.2
3 22	10 49.48	+ 9 28.6	1.600	2.553	8.2	19.4
4 1	10 41.79	+ 9 34.7	1.649	2.545	12.4	19.7
4 11	10 36.53	+ 9 27.6	1.720	2.537	16.0	19.9

171496 1996 XY_{29} 3 5.6 140.°91 1.°4/ 4.3 18

2 1	11 31.55	+ 6 58.1	1.898	2.731	13.3	21.6
2 11	11 25.75	+ 7 45.1	1.831	2.742	9.7	21.4
2 21	11 17.89	+ 8 41.7	1.789	2.753	5.6	21.2
3 2	11 8.71	+ 9 42.0	1.775	2.763	1.7	21.0
3 12	10 59.22	+10 38.9	1.790	2.773	3.7	21.1
3 22	10 50.46	+11 26.3	1.834	2.782	7.8	21.4
4 1	10 43.30	+11 59.9	1.904	2.790	11.5	21.6
4 11	10 38.35	+12 17.8	1.996	2.798	14.6	21.9

66525 1999 RH_{103} 3 5.6 111.°64 4.°9/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.44	−11 43.9	1.897	2.659	16.0	19.5
2 11	11 24.21	−11 25.3	1.827	2.679	12.9	19.3
2 21	11 16.97	−10 41.9	1.778	2.699	9.5	19.1
3 2	11 8.46	− 9 35.6	1.755	2.717	6.2	19.0
3 12	10 59.67	− 8 11.7	1.760	2.735	4.9	18.9
3 22	10 51.59	− 6 38.2	1.793	2.753	6.9	19.1
4 1	10 45.08	− 5 3.7	1.854	2.770	10.1	19.3
4 11	10 40.73	− 3 36.3	1.939	2.786	13.2	19.5

140697 2001 UG_{73} 3 5.6 214.°61 3.°2/ 9.8 18

2 1	11 24.80	− 8 46.2	2.751	3.514	11.5	20.9
2 11	11 20.42	− 8 28.0	2.651	3.508	9.2	20.8
2 21	11 14.61	− 7 53.6	2.575	3.501	6.6	20.6
3 2	11 7.84	− 7 4.4	2.527	3.494	4.2	20.4
3 12	11 0.74	− 6 3.5	2.508	3.487	3.3	20.3
3 22	10 53.97	− 4 55.7	2.519	3.479	5.2	20.4
4 1	10 48.15	− 3 46.2	2.559	3.471	7.9	20.6
4 11	10 43.80	− 2 40.2	2.625	3.462	10.5	20.8

126955 2002 FQ_{10} 3 5.6 287.°49 2.°4/ 2.9 18

2 1	11 25.62	+ 8 37.0	1.864	2.711	12.8	19.6
2 11	11 21.65	+ 9 49.3	1.780	2.700	9.3	19.3
2 21	11 15.61	+11 12.7	1.721	2.688	5.5	19.1
3 2	11 8.14	+12 40.3	1.690	2.677	2.5	18.8
3 12	11 0.17	+14 3.1	1.687	2.665	4.8	19.0
3 22	10 52.71	+15 13.6	1.712	2.654	8.8	19.2
4 1	10 46.68	+16 6.0	1.763	2.642	12.6	19.4
4 11	10 42.78	+16 37.8	1.834	2.631	15.9	19.6

109941 2001 SJ_{42} 3 5.6 228.°49 1.°3/ 4.1 18

2 1	11 26.44	+ 7 56.5	2.362	3.196	11.0	20.1
2 11	11 21.78	+ 8 36.4	2.279	3.192	8.0	19.9
2 21	11 15.47	+ 9 23.8	2.222	3.187	4.7	19.7
3 2	11 8.07	+10 14.1	2.194	3.183	1.5	19.4
3 12	11 0.34	+11 1.8	2.196	3.178	3.3	19.5
3 22	10 53.06	+11 42.3	2.227	3.173	6.7	19.8
4 1	10 46.95	+12 11.9	2.285	3.169	9.9	19.9
4 11	10 42.56	+12 28.4	2.365	3.164	12.7	20.1

229495 2005 UG_{508} 3 5.6 93.°53 0.°5/ 5.1 18 R

2 1	11 28.26	+ 5 10.9	1.964	2.796	12.9	20.3
2 11	11 23.35	+ 5 38.9	1.889	2.799	9.5	20.0
2 21	11 16.48	+ 6 17.3	1.839	2.803	5.6	19.8
3 2	11 8.35	+ 7 1.5	1.816	2.806	1.4	19.5
3 12	10 59.87	+ 7 45.8	1.822	2.809	3.0	19.7
3 22	10 51.99	+ 8 24.5	1.857	2.812	7.1	19.9
4 1	10 45.56	+ 8 53.2	1.917	2.815	10.8	20.1
4 11	10 41.19	+ 9 9.2	2.000	2.818	14.0	20.4

406583 2008 AE_{85} 3 5.6 115.°67 1.°7/ 6.9 18

2 1	11 32.24	− 0 17.5	1.840	2.651	14.6	21.9
2 11	11 26.29	− 0 9.9	1.771	2.666	11.0	21.7
2 21	11 18.22	+ 0 12.5	1.726	2.680	7.0	21.4
3 2	11 8.81	+ 0 46.5	1.708	2.694	2.8	21.2
3 12	10 59.09	+ 1 26.9	1.720	2.707	2.8	21.2
3 22	10 50.12	+ 2 7.9	1.759	2.721	6.9	21.5
4 1	10 42.81	+ 2 43.9	1.826	2.733	10.8	21.8
4 11	10 37.77	+ 3 10.8	1.915	2.745	14.1	22.0

236046 2005 HC_2 3 5.6 258.°11 3.°0/ 9.1 17

2 1	11 24.60	− 6 50.2	2.351	3.133	12.7	20.6
2 11	11 20.51	− 6 28.2	2.253	3.124	10.0	20.4
2 21	11 14.78	− 5 48.3	2.178	3.114	7.0	20.2
3 2	11 7.91	− 4 52.4	2.130	3.105	4.0	20.0
3 12	11 0.64	− 3 44.6	2.112	3.095	3.2	19.9
3 22	10 53.75	− 2 30.6	2.122	3.085	5.8	20.0
4 1	10 47.96	− 1 16.7	2.161	3.075	9.0	20.2
4 11	10 43.85	− 0 8.8	2.224	3.065	12.0	20.4

313400 2002 PO_{53} 3 5.6 278.°62 1.°9/ 6.9 17

2 1	11 31.56	+ 0 33.7	1.636	2.458	15.6	20.8
2 11	11 26.33	+ 0 25.0	1.547	2.447	11.9	20.5
2 21	11 18.56	+ 0 31.3	1.479	2.435	7.6	20.2
3 2	11 8.97	+ 0 50.3	1.438	2.424	3.1	19.9
3 12	10 58.69	+ 1 17.3	1.424	2.412	3.2	19.9
3 22	10 48.98	+ 1 46.6	1.437	2.400	7.9	20.1
4 1	10 41.01	+ 2 12.3	1.476	2.389	12.4	20.4
4 11	10 35.62	+ 2 29.2	1.536	2.377	16.4	20.6

426729 2013 TH_{53} 3 5.6 226.°91 0.°9/ 4.7 17

2 1	11 30.72	+ 7 16.6	2.125	2.955	12.2	20.7
2 11	11 25.11	+ 7 35.7	2.039	2.948	9.0	20.5
2 21	11 17.54	+ 8 2.6	1.978	2.941	5.3	20.3
3 2	11 8.66	+ 8 33.0	1.945	2.934	1.5	20.0
3 12	10 59.34	+ 9 2.0	1.941	2.926	3.2	20.1
3 22	10 50.54	+ 9 24.9	1.967	2.919	7.1	20.3
4 1	10 43.13	+ 9 38.2	2.020	2.910	10.7	20.5
4 11	10 37.73	+ 9 39.9	2.096	2.902	13.9	20.7

348811 2006 QO_{164} 3 5.6 208°.46 5°.2/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.64	−13 54.4	2.784	3.510	12.2	21.1
2 11	11 22.54	−14 17.1	2.684	3.505	10.2	20.9
2 21	11 15.90	−14 23.1	2.606	3.500	8.0	20.8
3 2	11 8.21	−14 11.8	2.555	3.494	6.0	20.6
3 12	11 0.14	−13 44.8	2.532	3.488	5.2	20.6
3 22	10 52.38	−13 5.1	2.538	3.482	6.2	20.6
4 1	10 45.63	−12 17.2	2.572	3.475	8.2	20.7
4 11	10 40.40	−11 26.6	2.632	3.468	10.5	20.9

489573 2007 TM_{61} 3 5.6 208°.77 3°.9/ 1.9 17

2 1	11 34.01	+15 13.4	2.068	2.907	12.1	22.6
2 11	11 27.63	+16 5.8	1.987	2.901	8.9	22.4
2 21	11 19.08	+17 0.9	1.932	2.893	5.7	22.2
3 2	11 9.07	+17 51.8	1.906	2.884	3.9	22.1
3 12	10 58.60	+18 31.8	1.909	2.875	5.8	22.2
3 22	10 48.73	+18 55.9	1.941	2.864	9.1	22.3
4 1	10 40.41	+19 1.7	1.999	2.853	12.5	22.5
4 11	10 34.31	+18 49.5	2.079	2.841	15.4	22.7

234146 2000 EM_{101} 3 5.6 258°.31 0°.0/ 5.4 17

2 1	11 27.64	+ 4 14.3	2.228	3.053	11.9	20.9
2 11	11 22.80	+ 4 36.1	2.138	3.043	8.8	20.7
2 21	11 16.16	+ 5 8.1	2.072	3.033	5.3	20.4
3 2	11 8.29	+ 5 46.5	2.034	3.023	1.4	20.1
3 12	11 0.00	+ 6 26.6	2.026	3.013	2.6	20.2
3 22	10 52.15	+ 7 3.4	2.046	3.003	6.5	20.4
4 1	10 45.53	+ 7 32.7	2.094	2.992	10.0	20.6
4 11	10 40.75	+ 7 51.3	2.165	2.982	13.1	20.8

190274 3117 *P–L* 3 5.6 207°.18 2°.6/ 7.8 18

2 1	11 32.81	− 3 36.4	1.913	2.708	14.7	21.9
2 11	11 26.93	− 3 25.4	1.820	2.702	11.4	21.7
2 21	11 18.78	− 2 56.4	1.749	2.694	7.6	21.4
3 2	11 9.03	− 2 11.3	1.705	2.686	3.8	21.2
3 12	10 58.68	− 1 14.9	1.691	2.677	3.3	21.1
3 22	10 48.84	− 0 13.8	1.705	2.666	7.1	21.3
4 1	10 40.53	+ 0 44.9	1.747	2.655	11.1	21.5
4 11	10 34.50	+ 1 35.3	1.812	2.643	14.7	21.7

27466 Cargibaysal 3 5.6 72°.09 3°.1/ 8.6 18

2 1	11 26.95	− 6 5.9	1.643	2.447	16.3	18.1
2 11	11 22.63	− 5 31.8	1.576	2.462	12.7	17.9
2 21	11 16.16	− 4 34.1	1.532	2.477	8.5	17.7
3 2	11 8.29	− 3 16.5	1.512	2.492	4.4	17.5
3 12	11 0.10	− 1 46.7	1.520	2.507	3.5	17.4
3 22	10 52.67	− 0 13.7	1.556	2.522	7.1	17.7
4 1	10 46.92	+ 1 13.3	1.618	2.537	11.1	18.0
4 11	10 43.47	+ 2 27.2	1.703	2.552	14.7	18.2

51257 2000 JL_{59} 3 5.6 305°.22 4°.3/ 9.8 18

2 1	11 27.01	− 8 14.2	2.136	2.913	14.0	18.7
2 11	11 22.42	− 8 27.8	2.046	2.909	11.2	18.5
2 21	11 15.98	− 8 23.4	1.978	2.906	8.2	18.3
3 2	11 8.26	− 8 1.3	1.936	2.903	5.3	18.1
3 12	11 0.10	− 7 24.6	1.923	2.900	4.4	18.0
3 22	10 52.40	− 6 37.9	1.937	2.897	6.5	18.1
4 1	10 45.98	− 5 47.2	1.978	2.894	9.6	18.3
4 11	10 41.47	− 4 58.6	2.044	2.891	12.6	18.5

426223 2012 LA_{18} 3 5.6 158°.71 2°.7/ 2.7 17

2 1	11 27.63	+10 36.2	2.000	2.845	12.2	21.3
2 11	11 22.89	+11 40.6	1.929	2.847	8.8	21.1
2 21	11 16.23	+12 52.1	1.884	2.849	5.3	20.9
3 2	11 8.31	+14 3.9	1.867	2.851	2.7	20.7
3 12	11 0.05	+15 8.6	1.879	2.853	4.8	20.9
3 22	10 52.37	+16 0.2	1.919	2.855	8.3	21.1
4 1	10 46.13	+16 34.8	1.984	2.856	11.7	21.3
4 11	10 41.92	+16 51.0	2.071	2.858	14.7	21.5

109621 2001 QO_{294} 3 5.6 192°.65 3°.4/ 8.8 18

2 1	11 29.30	− 6 2.5	2.111	2.895	13.9	20.4
2 11	11 24.10	− 6 0.8	2.021	2.894	10.9	20.2
2 21	11 16.97	− 5 41.5	1.955	2.892	7.6	20.0
3 2	11 8.52	− 5 6.0	1.916	2.890	4.4	19.8
3 12	10 59.64	− 4 18.0	1.905	2.887	3.6	19.7
3 22	10 51.23	− 3 23.1	1.923	2.884	6.4	19.9
4 1	10 44.18	− 2 27.5	1.969	2.881	9.8	20.1
4 11	10 39.10	− 1 36.9	2.038	2.877	13.0	20.3

321176 2008 WB_{17} 3 5.6 114°.15 0°.4/ 5.9 17

2 1	11 27.14	+ 2 12.1	2.128	2.949	12.5	21.6
2 11	11 22.39	+ 2 42.7	2.053	2.955	9.3	21.4
2 21	11 15.88	+ 3 25.5	2.002	2.962	5.6	21.2
3 2	11 8.23	+ 4 16.5	1.979	2.968	1.7	21.0
3 12	11 0.27	+ 5 10.0	1.986	2.974	2.5	21.0
3 22	10 52.86	+ 6 0.6	2.022	2.980	6.4	21.3
4 1	10 46.77	+ 6 43.4	2.085	2.986	9.9	21.5
4 11	10 42.55	+ 7 14.8	2.171	2.992	12.9	21.7

116793 2004 EJ_{43} 3 5.6 196°.55 2°.1/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.15	+ 9 56.1	2.543	3.381	10.1	20.0
2 11	11 20.76	+10 59.9	2.464	3.379	7.3	19.8
2 21	11 14.85	+12 10.2	2.412	3.377	4.3	19.6
3 2	11 7.95	+13 21.5	2.389	3.375	2.1	19.5
3 12	11 0.75	+14 27.9	2.397	3.372	3.8	19.6
3 22	10 53.97	+15 24.6	2.434	3.370	6.9	19.8
4 1	10 48.25	+16 7.8	2.498	3.367	9.8	20.0
4 11	10 44.11	+16 35.9	2.585	3.363	12.3	20.1

385258 2001 ON_{43} 3 5.6 136°.33 1°.4/ 7.3 17

2 1	11 28.96	− 0 38.2	2.987	3.778	10.0	21.8
2 11	11 23.21	− 0 35.0	2.909	3.792	7.6	21.7
2 21	11 16.15	− 0 22.4	2.858	3.806	4.9	21.5
3 2	11 8.28	− 0 2.3	2.835	3.819	2.1	21.3
3 12	11 0.20	+ 0 22.3	2.845	3.831	2.0	21.3
3 22	10 52.55	+ 0 48.2	2.885	3.843	4.7	21.5
4 1	10 45.90	+ 1 12.4	2.954	3.855	7.4	21.7
4 11	10 40.67	+ 1 32.0	3.050	3.866	9.7	21.9

268474 2005 XC_{52} 3 5.6 117°.22 2°.0/ 3.7 18

2 1	11 29.80	+ 9 26.3	1.993	2.832	12.5	20.8
2 11	11 24.41	+10 7.0	1.926	2.841	9.1	20.6
2 21	11 17.09	+10 54.5	1.885	2.850	5.3	20.4
3 2	11 8.55	+11 43.0	1.872	2.859	2.1	20.2
3 12	10 59.72	+12 26.3	1.888	2.868	4.0	20.3
3 22	10 51.57	+12 59.3	1.932	2.876	7.7	20.6
4 1	10 44.92	+13 18.8	2.002	2.884	11.2	20.8
4 11	10 40.34	+13 23.3	2.095	2.892	14.2	21.0

370797 2004 TL_{116} 3 5.6 138°.81 5°.4/12.1 18

2 1	11 27.93	−14 48.2	2.490	3.217	13.5	21.1
2 11	11 22.80	−14 51.5	2.406	3.229	11.2	20.9
2 21	11 16.06	−14 34.6	2.345	3.241	8.7	20.8
3 2	11 8.28	−13 57.6	2.310	3.252	6.4	20.7
3 12	11 0.20	−13 3.3	2.303	3.263	5.4	20.6
3 22	10 52.59	−11 56.4	2.325	3.273	6.4	20.7
4 1	10 46.17	−10 43.0	2.375	3.282	8.6	20.8
4 11	10 41.45	− 9 29.7	2.450	3.291	11.0	21.0

45334 2000 AX_{81} 3 5.6 107°.92 0°.0/ 5.4 18

2 1	11 26.69	+ 3 24.5	2.039	2.867	12.7	19.2
2 11	11 22.17	+ 4 0.3	1.961	2.868	9.4	19.0
2 21	11 15.81	+ 4 48.2	1.907	2.870	5.6	18.7
3 2	11 8.22	+ 5 43.7	1.882	2.871	1.5	18.5
3 12	11 0.29	+ 6 40.7	1.885	2.872	2.7	18.6
3 22	10 52.89	+ 7 33.4	1.917	2.874	6.8	18.8
4 1	10 46.85	+ 8 16.6	1.975	2.875	10.5	19.0
4 11	10 42.75	+ 8 47.0	2.056	2.876	13.6	19.2

240904 2006 DV_{131} 3 5.6 226°.69 2°.0/ 3.7 18

2 1	11 30.04	+ 7 35.2	1.769	2.609	13.7	21.4
2 11	11 25.03	+ 8 38.0	1.685	2.601	10.1	21.2
2 21	11 17.71	+ 9 53.0	1.625	2.591	5.9	20.9
3 2	11 8.78	+11 13.2	1.593	2.581	2.2	20.6
3 12	10 59.27	+12 29.8	1.589	2.570	4.5	20.8
3 22	10 50.32	+13 34.9	1.614	2.559	8.9	21.0
4 1	10 42.99	+14 22.6	1.664	2.547	13.0	21.2
4 11	10 38.02	+14 50.3	1.735	2.535	16.5	21.4

522463 2016 CP_{321} 3 5.6 347°.22 8°.7/11.9 17

2 1	11 30.53	−14 43.4	1.634	2.389	18.4	21.2
2 11	11 25.66	−15 51.6	1.550	2.387	15.6	21.0
2 21	11 18.23	−16 35.2	1.486	2.384	12.6	20.8
3 2	11 8.94	−16 50.4	1.444	2.382	9.9	20.6
3 12	10 58.94	−16 37.3	1.427	2.380	8.7	20.5
3 22	10 49.52	−15 59.9	1.435	2.379	9.9	20.6
4 1	10 41.87	−15 6.1	1.468	2.378	12.6	20.8
4 11	10 36.86	−14 5.5	1.521	2.378	15.7	21.0

21049 1990 SU_{16} 3 5.6 250°.61 3°.0/ 2.7 18

2 1	11 28.90	+10 30.0	1.797	2.644	13.2	17.8
2 11	11 24.17	+11 35.5	1.714	2.633	9.7	17.5
2 21	11 17.19	+12 50.2	1.656	2.622	5.8	17.2
3 2	11 8.64	+14 6.7	1.625	2.610	3.0	17.0
3 12	10 59.53	+15 16.2	1.623	2.598	5.3	17.2
3 22	10 50.98	+16 11.5	1.648	2.586	9.4	17.4
4 1	10 44.01	+16 47.8	1.698	2.573	13.2	17.6
4 11	10 39.35	+17 3.2	1.769	2.561	16.6	17.8

110776 2001 UY_{29} 3 5.6 146°.69 4°.7/28.8 18

2 1	11 28.64	+20 54.0	2.595	3.438	9.8	19.9
2 11	11 23.25	+21 51.5	2.535	3.445	7.4	19.7
2 21	11 16.28	+22 46.6	2.501	3.451	5.3	19.6
3 2	11 8.34	+23 33.5	2.497	3.457	4.8	19.6
3 12	11 0.18	+24 7.2	2.521	3.463	6.2	19.7
3 22	10 52.57	+24 24.8	2.574	3.468	8.4	19.8
4 1	10 46.17	+24 25.1	2.652	3.473	10.7	20.0
4 11	10 41.49	+24 9.1	2.751	3.478	12.8	20.2

464713 2002 QF_{140} 3 5.6 167°.27 2°.8/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.98	+14 8.9	2.496	3.333	10.3	21.6
2 11	11 24.25	+14 45.1	2.423	3.336	7.5	21.4
2 21	11 16.90	+15 23.4	2.377	3.339	4.7	21.2
3 2	11 8.51	+15 58.7	2.361	3.342	2.8	21.1
3 12	10 59.87	+16 26.4	2.374	3.344	4.4	21.2
3 22	10 51.75	+16 42.9	2.417	3.346	7.3	21.4
4 1	10 44.87	+16 46.3	2.487	3.348	10.1	21.6
4 11	10 39.74	+16 36.4	2.580	3.349	12.5	21.7

506030 2015 JC_{7} 3 5.6 263°.16 3°.2/ 9.0 17

2 1	11 26.12	− 5 59.1	2.456	3.237	12.2	21.6
2 11	11 21.57	− 6 2.4	2.361	3.232	9.7	21.4
2 21	11 15.40	− 5 50.8	2.291	3.226	6.8	21.3
3 2	11 8.14	− 5 25.5	2.248	3.220	4.0	21.1
3 12	11 0.50	− 4 49.4	2.233	3.215	3.3	21.0
3 22	10 53.25	− 4 6.7	2.248	3.209	5.6	21.1
4 1	10 47.08	− 3 22.4	2.290	3.203	8.6	21.3
4 11	10 42.56	− 2 41.2	2.358	3.197	11.4	21.5

437656 2014 CL_{2} 3 5.6 174°.94 3°.6/29.8 17

2 1	11 25.95	+16 0.9	2.608	3.453	9.7	21.3
2 11	11 21.32	+17 8.6	2.539	3.455	7.1	21.1
2 21	11 15.18	+18 18.0	2.496	3.456	4.7	21.0
3 2	11 8.06	+19 23.4	2.483	3.457	3.6	20.9
3 12	11 0.68	+20 19.0	2.500	3.457	5.2	21.0
3 22	10 53.75	+21 0.9	2.546	3.458	7.7	21.2
4 1	10 47.92	+21 26.6	2.617	3.458	10.3	21.3
4 11	10 43.67	+21 35.8	2.710	3.458	12.5	21.5

99510 2002 EO_{12} 3 5.6 234°.15 1°.9/ 7.1 18

2 1	11 30.89	− 0 53.8	1.771	2.585	14.9	19.3
2 11	11 25.67	− 0 44.5	1.681	2.576	11.5	19.1
2 21	11 18.12	− 0 18.6	1.613	2.567	7.4	18.8
3 2	11 8.92	+ 0 21.4	1.572	2.557	3.1	18.5
3 12	10 59.10	+ 1 10.1	1.559	2.547	3.0	18.5
3 22	10 49.82	+ 2 0.9	1.575	2.537	7.4	18.7
4 1	10 42.14	+ 2 47.2	1.616	2.526	11.7	19.0
4 11	10 36.84	+ 3 23.6	1.680	2.515	15.5	19.2

288606 2004 LO_{14} 3 5.6 23°.57 3°.4/ 9.1 18

2 1	11 24.89	− 7 35.0	1.705	2.504	16.1	20.8
2 11	11 21.22	− 6 55.2	1.624	2.505	12.7	20.6
2 21	11 15.42	− 5 49.8	1.565	2.506	8.7	20.4
3 2	11 8.18	− 4 21.8	1.531	2.508	4.8	20.1
3 12	11 0.49	− 2 38.6	1.524	2.510	3.7	20.1
3 22	10 53.41	− 0 49.7	1.546	2.512	7.1	20.3
4 1	10 47.88	+ 0 54.8	1.593	2.514	11.1	20.5
4 11	10 44.57	+ 2 26.4	1.664	2.516	14.8	20.7

472973 2015 GF_{44} 3 5.6 237°.22 3°.7/ 1.2 17

2 1	11 27.45	+16 26.8	2.496	3.341	10.1	21.3
2 11	11 22.52	+17 19.2	2.418	3.333	7.4	21.1
2 21	11 15.94	+18 13.0	2.366	3.325	4.9	20.9
3 2	11 8.29	+19 2.5	2.343	3.318	3.7	20.8
3 12	11 0.32	+19 42.3	2.350	3.309	5.3	20.9
3 22	10 52.79	+20 8.6	2.384	3.301	8.0	21.0
4 1	10 46.43	+20 19.1	2.445	3.293	10.7	21.2
4 11	10 41.78	+20 13.6	2.528	3.284	13.1	21.4

267084 1999 VQ_{74} 3 5.6 207°.51 3°.0/ 2.7 18

2 1	11 29.39	+12 37.8	2.000	2.845	12.2	20.5
2 11	11 24.23	+13 22.5	1.927	2.844	8.9	20.3
2 21	11 17.07	+14 11.6	1.879	2.843	5.4	20.1
3 2	11 8.61	+14 59.1	1.858	2.842	3.0	19.9
3 12	10 59.79	+15 38.4	1.867	2.841	4.9	20.0
3 22	10 51.58	+16 4.8	1.904	2.839	8.5	20.2
4 1	10 44.85	+16 15.3	1.966	2.838	11.8	20.5
4 11	10 40.22	+16 9.3	2.049	2.836	14.8	20.6

450991 2008 TG_{2} 3 5.6 125°.51 3°.2/ 3.1 18

2 1	11 35.79	+11 56.1	1.687	2.529	14.3	21.8
2 11	11 29.05	+12 44.2	1.630	2.545	10.4	21.6
2 21	11 19.94	+13 37.5	1.597	2.561	6.2	21.3
3 2	11 9.36	+14 28.2	1.592	2.577	3.2	21.2
3 12	10 58.54	+15 8.9	1.616	2.592	5.3	21.3
3 22	10 48.67	+15 34.3	1.668	2.605	9.3	21.6
4 1	10 40.77	+15 42.0	1.745	2.619	13.0	21.9
4 11	10 35.45	+15 32.1	1.843	2.631	16.2	22.1

428964 2008 YA_{122} 3 5.6 271°.29 2°.2/ 7.9 17

2 1	11 26.27	− 3 1.9	2.192	2.993	12.9	21.1
2 11	11 21.81	− 2 50.1	2.105	2.991	9.9	20.9
2 21	11 15.61	− 2 23.1	2.042	2.989	6.6	20.7
3 2	11 8.22	− 1 43.1	2.006	2.987	3.2	20.5
3 12	11 0.47	− 0 54.5	1.999	2.985	2.8	20.5
3 22	10 53.17	− 0 2.5	2.021	2.984	6.0	20.7
4 1	10 47.11	+ 0 47.2	2.069	2.982	9.4	20.9
4 11	10 42.85	+ 1 29.9	2.142	2.980	12.5	21.1

145029 2005 ER_{269} 3 5.6 278°.79 3°.1/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.51	− 4 33.5	1.645	2.455	16.1	20.5
2 11	11 23.34	− 4 19.1	1.556	2.445	12.6	20.2
2 21	11 16.82	− 3 42.6	1.488	2.435	8.5	20.0
3 2	11 8.60	− 2 46.1	1.445	2.425	4.4	19.7
3 12	10 59.75	− 1 35.5	1.429	2.415	3.6	19.6
3 22	10 51.44	− 0 18.8	1.440	2.405	7.6	19.8
4 1	10 44.76	+ 0 55.1	1.476	2.395	12.0	20.1
4 11	10 40.50	+ 1 58.6	1.535	2.385	15.9	20.3

169945 2002 TM_{47} 3 5.6 115°.61 1°.2/ 4.3 18

2 1	11 27.65	+ 7 33.9	2.372	3.203	11.0	20.6
2 11	11 22.59	+ 8 11.2	2.304	3.214	8.0	20.4
2 21	11 15.94	+ 8 55.5	2.261	3.226	4.6	20.2
3 2	11 8.29	+ 9 42.2	2.248	3.236	1.4	20.0
3 12	11 0.42	+10 26.2	2.264	3.247	3.1	20.1
3 22	10 53.09	+11 3.2	2.310	3.257	6.4	20.4
4 1	10 46.98	+11 29.7	2.383	3.268	9.5	20.6
4 11	10 42.58	+11 44.1	2.479	3.277	12.2	20.8

172788 2004 FH_{17} 3 5.6 23°.43 0°.0/ 5.5 18

2 1	11 23.91	+ 2 6.9	2.112	2.939	12.3	19.8
2 11	11 20.11	+ 3 4.5	2.034	2.940	9.1	19.6
2 21	11 14.60	+ 4 15.9	1.980	2.942	5.4	19.4
3 2	11 7.96	+ 5 36.2	1.955	2.944	1.4	19.1
3 12	11 1.00	+ 6 58.4	1.959	2.947	2.7	19.2
3 22	10 54.53	+ 8 15.7	1.992	2.949	6.6	19.4
4 1	10 49.30	+ 9 22.1	2.052	2.952	10.1	19.7
4 11	10 45.87	+10 13.7	2.135	2.955	13.2	19.9

328233 2008 FB_{55} 3 5.6 345°.23 0°.1/ 5.7 18

2 1	11 25.78	+ 2 32.9	1.404	2.251	16.3	20.9
2 11	11 22.30	+ 3 5.3	1.328	2.245	12.2	20.6
2 21	11 16.27	+ 3 55.8	1.274	2.239	7.4	20.3
3 2	11 8.47	+ 4 59.1	1.245	2.234	2.1	20.0
3 12	11 0.08	+ 6 6.6	1.241	2.229	3.4	20.0
3 22	10 52.40	+ 7 9.2	1.263	2.226	8.7	20.3
4 1	10 46.59	+ 7 59.1	1.308	2.223	13.5	20.6
4 11	10 43.43	+ 8 31.2	1.374	2.221	17.6	20.8

385285 2001 SN_{350} 3 5.6 50°.54 3°.6/ 2.1 17

2 1	11 29.98	+15 51.4	2.180	3.025	11.3	20.7
2 11	11 24.47	+16 24.5	2.112	3.028	8.3	20.5
2 21	11 17.13	+16 58.4	2.070	3.031	5.3	20.3
3 2	11 8.63	+17 27.5	2.056	3.035	3.6	20.2
3 12	10 59.87	+17 46.6	2.071	3.038	5.2	20.3
3 22	10 51.73	+17 52.3	2.114	3.041	8.2	20.5
4 1	10 45.02	+17 43.1	2.183	3.045	11.2	20.7
4 11	10 40.27	+17 19.2	2.273	3.048	13.9	20.9

271904 2004 WS_{5} 3 5.6 53°.18 1°.3/ 6.9 18

2 1	11 26.73	− 0 34.0	1.859	2.678	14.1	21.1
2 11	11 22.36	− 0 8.0	1.784	2.683	10.7	20.9
2 21	11 16.01	+ 0 34.2	1.733	2.689	6.7	20.6
3 2	11 8.35	+ 1 28.7	1.708	2.695	2.6	20.4
3 12	11 0.34	+ 2 29.4	1.712	2.700	2.7	20.4
3 22	10 52.93	+ 3 29.6	1.743	2.706	6.8	20.7
4 1	10 47.00	+ 4 23.0	1.801	2.712	10.6	20.9
4 11	10 43.16	+ 5 4.8	1.882	2.718	14.0	21.1

330710 2008 OD_{11} 3 5.6 280°.90 2°.2/ 7.5 17

2 1	11 28.25	− 2 20.0	1.949	2.756	14.0	21.0
2 11	11 23.71	− 2 6.9	1.840	2.730	10.9	20.8
2 21	11 17.01	− 1 36.4	1.753	2.704	7.2	20.5
3 2	11 8.68	− 0 50.6	1.694	2.677	3.3	20.2
3 12	10 59.63	+ 0 6.0	1.662	2.650	3.0	20.1
3 22	10 50.89	+ 1 7.2	1.659	2.622	7.0	20.3
4 1	10 43.47	+ 2 5.9	1.683	2.594	11.2	20.5
4 11	10 38.18	+ 2 55.9	1.729	2.566	15.0	20.7

434390 2005 CH_{81} 3 5.6 12°.80 0°.1/ 4.2 15

2 1	11 7.99	+ 9 18.1	37.695	38.522	0.8	24.1
2 11	11 7.31	+ 9 23.0	37.616	38.526	0.6	24.1
2 21	11 6.56	+ 9 28.2	37.565	38.529	0.3	24.1
3 2	11 5.77	+ 9 33.5	37.544	38.532	0.1	24.0
3 12	11 4.96	+ 9 38.7	37.553	38.536	0.2	24.1
3 22	11 4.18	+ 9 43.5	37.593	38.539	0.5	24.1
4 1	11 3.45	+ 9 47.9	37.661	38.542	0.7	24.1
4 11	11 2.79	+ 9 51.6	37.755	38.546	0.9	24.2

148507 2001 OA_{44} 3 5.6 167°.42 0°.3/ 5.9 18

2 1	11 30.63	+ 2 53.3	2.218	3.033	12.3	20.8
2 11	11 24.93	+ 3 14.8	2.138	3.037	9.1	20.6
2 21	11 17.42	+ 3 47.0	2.083	3.041	5.5	20.4
3 2	11 8.72	+ 4 26.6	2.056	3.045	1.6	20.1
3 12	10 59.69	+ 5 8.4	2.060	3.047	2.5	20.2
3 22	10 51.19	+ 5 47.6	2.093	3.050	6.3	20.4
4 1	10 44.03	+ 6 19.9	2.154	3.051	9.8	20.6
4 11	10 38.77	+ 6 42.2	2.238	3.052	12.8	20.8

43724 Pechstein 3 5.6 159°.70 0°.9/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.00	− 0 26.7	2.193	2.999	12.7	19.5
2 11	11 23.75	+ 0 18.4	2.113	3.007	9.5	19.3
2 21	11 16.73	+ 1 18.4	2.059	3.014	5.9	19.1
3 2	11 8.54	+ 2 28.9	2.033	3.020	2.1	18.9
3 12	11 0.03	+ 3 44.0	2.037	3.026	2.4	18.9
3 22	10 52.05	+ 4 57.2	2.072	3.030	6.2	19.2
4 1	10 45.38	+ 6 2.4	2.134	3.034	9.8	19.4
4 11	10 40.59	+ 6 55.6	2.220	3.038	12.8	19.6

228039 2008 GQ_{81} 3 5.6 223°.34 2°.4/ 2.9 17

2 1	11 29.66	+11 20.9	2.475	3.308	10.5	22.1
2 11	11 24.20	+12 11.7	2.384	3.296	7.7	21.9
2 21	11 17.01	+13 8.0	2.320	3.283	4.6	21.7
3 2	11 8.63	+14 4.6	2.285	3.270	2.4	21.5
3 12	10 59.84	+14 55.6	2.281	3.255	4.1	21.6
3 22	10 51.45	+15 36.5	2.307	3.240	7.3	21.8
4 1	10 44.21	+16 3.7	2.360	3.224	10.4	22.0
4 11	10 38.72	+16 16.0	2.435	3.208	13.1	22.1

243782 2000 SR_{22} 3 5.6 136°.96 2°.8/ 3.1 18

2 1	11 34.12	+11 24.7	1.914	2.751	13.0	21.6
2 11	11 27.65	+12 12.6	1.852	2.765	9.5	21.4
2 21	11 19.07	+13 5.6	1.815	2.779	5.6	21.2
3 2	11 9.17	+13 57.1	1.807	2.792	2.8	21.0
3 12	10 59.02	+14 40.3	1.829	2.804	4.8	21.2
3 22	10 49.66	+15 10.3	1.879	2.816	8.5	21.4
4 1	10 41.99	+15 24.4	1.955	2.826	11.9	21.6
4 11	10 36.62	+15 22.0	2.053	2.836	14.9	21.9

316858 2000 PW_{6} 3 5.6 168°.31 14°.6/14.2 18

2 1	11 40.38	−22 48.4	1.357	2.066	23.6	20.5
2 11	11 33.82	−24 55.5	1.281	2.069	21.0	20.3
2 21	11 23.61	−26 30.7	1.223	2.073	18.3	20.2
3 2	11 10.57	−27 23.9	1.183	2.075	15.9	20.0
3 12	10 56.32	−27 30.0	1.165	2.077	14.6	19.9
3 22	10 42.80	−26 51.4	1.170	2.078	15.1	20.0
4 1	10 31.82	−25 38.1	1.196	2.078	17.1	20.1
4 11	10 24.57	−24 5.8	1.241	2.078	19.7	20.2

226762 2004 RA_{77} 3 5.6 129°.34 1°.4/ 4.1 18

2 1	11 27.95	+ 6 55.7	2.176	3.009	11.8	20.7
2 11	11 22.96	+ 7 49.9	2.108	3.019	8.6	20.5
2 21	11 16.24	+ 8 52.9	2.065	3.030	5.0	20.3
3 2	11 8.42	+ 9 59.2	2.051	3.040	1.6	20.1
3 12	11 0.33	+11 2.3	2.067	3.050	3.4	20.2
3 22	10 52.81	+11 56.7	2.112	3.059	7.0	20.5
4 1	10 46.62	+12 38.2	2.184	3.068	10.3	20.7
4 11	10 42.29	+13 4.8	2.279	3.077	13.2	20.9

327266 2005 SS_{171} 3 5.6 198°.73 1°.0/ 6.5 17

2 1	11 29.46	+ 0 47.8	2.124	2.936	12.8	21.9
2 11	11 24.23	+ 1 8.9	2.037	2.934	9.7	21.7
2 21	11 17.09	+ 1 43.3	1.975	2.931	6.0	21.5
3 2	11 8.68	+ 2 27.6	1.940	2.927	2.1	21.2
3 12	10 59.84	+ 3 16.8	1.935	2.923	2.5	21.2
3 22	10 51.49	+ 4 5.4	1.959	2.919	6.4	21.5
4 1	10 44.48	+ 4 48.1	2.011	2.914	10.1	21.7
4 11	10 39.43	+ 5 20.8	2.086	2.909	13.3	21.9

134827 2000 HP_{5} 3 5.6 258°.45 5°.1/28.9 17

2 1	11 30.35	+21 1.4	2.391	3.234	10.5	20.1
2 11	11 24.82	+21 53.9	2.308	3.219	8.0	19.9
2 21	11 17.42	+22 44.6	2.252	3.203	5.8	19.8
3 2	11 8.76	+23 27.1	2.225	3.186	5.1	19.7
3 12	10 59.70	+23 55.6	2.226	3.170	6.7	19.7
3 22	10 51.13	+24 6.5	2.255	3.153	9.3	19.9
4 1	10 43.85	+23 58.5	2.309	3.136	11.9	20.0
4 11	10 38.48	+23 32.4	2.384	3.119	14.3	20.2

362090 2009 BH_{149} 3 5.6 31°.44 1°.6/ 4.5 16

2 1	11 29.51	+ 6 50.2	1.218	2.077	17.4	21.0
2 11	11 25.19	+ 7 25.4	1.161	2.085	12.8	20.8
2 21	11 18.00	+ 8 14.2	1.126	2.094	7.5	20.5
3 2	11 8.94	+ 9 8.9	1.114	2.104	2.2	20.2
3 12	10 59.48	+ 9 59.8	1.128	2.114	4.6	20.4
3 22	10 51.07	+10 38.6	1.167	2.125	10.0	20.7
4 1	10 44.95	+10 59.7	1.228	2.137	14.8	21.0
4 11	10 41.80	+11 1.3	1.308	2.149	18.7	21.3

429804 2012 JM_{12} 3 5.6 342°.49 3°.6/ 2.9 18

2 1	11 28.58	+12 18.2	1.439	2.301	15.1	20.1
2 11	11 24.35	+13 0.2	1.368	2.294	11.1	19.9
2 21	11 17.49	+13 49.0	1.319	2.287	6.7	19.6
3 2	11 8.83	+14 36.7	1.296	2.281	3.7	19.4
3 12	10 59.62	+15 14.3	1.298	2.275	6.0	19.5
3 22	10 51.20	+15 35.5	1.326	2.270	10.5	19.8
4 1	10 44.74	+15 36.5	1.376	2.266	14.8	20.0
4 11	10 41.01	+15 17.0	1.446	2.263	18.5	20.2

10128 Bro 3 5.6 152°.91 0°.9/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 31.51	+ 4 32.3	1.897	2.724	13.6	18.5
2 11	11 25.83	+ 5 30.7	1.826	2.734	9.9	18.3
2 21	11 18.06	+ 6 41.8	1.780	2.743	5.8	18.1
3 2	11 8.94	+ 7 59.3	1.763	2.752	1.5	17.8
3 12	10 59.47	+ 9 15.6	1.775	2.760	3.4	18.0
3 22	10 50.68	+10 23.3	1.816	2.767	7.6	18.3
4 1	10 43.47	+11 17.0	1.884	2.773	11.5	18.5
4 11	10 38.47	+11 53.7	1.974	2.778	14.7	18.7

190424 1999 VA_{114} 3 5.6 126°.99 2°.9/ 8.9 18

2 1	11 28.84	− 6 8.6	2.467	3.243	12.3	20.5
2 11	11 23.44	− 6 1.0	2.391	3.259	9.7	20.3
2 21	11 16.46	− 5 38.2	2.339	3.274	6.7	20.1
3 2	11 8.50	− 5 1.9	2.315	3.289	3.9	20.0
3 12	11 0.29	− 4 15.9	2.321	3.303	3.1	19.9
3 22	10 52.59	− 3 24.7	2.357	3.317	5.5	20.1
4 1	10 46.07	− 2 33.6	2.421	3.330	8.4	20.3
4 11	10 41.25	− 1 47.1	2.510	3.343	11.0	20.5

427634 2003 UV_{184} 3 5.6 154°.90 3°.0/ 8.5 18

2 1	11 29.80	− 5 13.2	1.877	2.672	14.9	21.1
2 11	11 24.66	− 4 57.8	1.797	2.678	11.7	20.9
2 21	11 17.43	− 4 22.7	1.740	2.683	7.9	20.7
3 2	11 8.80	− 3 30.3	1.709	2.688	4.2	20.5
3 12	10 59.75	− 2 25.9	1.707	2.692	3.4	20.4
3 22	10 51.31	− 1 16.6	1.733	2.696	6.8	20.7
4 1	10 44.40	− 0 9.6	1.786	2.700	10.6	20.9
4 11	10 39.68	+ 0 48.6	1.862	2.703	14.0	21.1

407560 2010 XN_{65} 3 5.6 131°.69 1°.8/ 3.7 18

2 1	11 29.40	+ 7 54.5	2.022	2.858	12.5	21.2
2 11	11 24.14	+ 8 55.1	1.957	2.870	9.0	21.0
2 21	11 17.00	+10 4.4	1.917	2.882	5.2	20.7
3 2	11 8.66	+11 16.0	1.905	2.893	2.0	20.5
3 12	11 0.03	+12 22.8	1.923	2.904	3.9	20.7
3 22	10 52.06	+13 18.8	1.970	2.914	7.7	20.9
4 1	10 45.54	+13 59.7	2.044	2.924	11.1	21.2
4 11	10 41.04	+14 23.8	2.139	2.933	14.0	21.4

430117 2013 TA_{13} 3 5.6 117°.36 2°.7/ 3.0 17

2 1	11 30.09	+12 3.0	2.025	2.868	12.2	21.5
2 11	11 24.68	+12 43.6	1.958	2.874	8.9	21.3
2 21	11 17.33	+13 28.7	1.916	2.880	5.3	21.0
3 2	11 8.75	+14 12.2	1.902	2.887	2.8	20.9
3 12	10 59.88	+14 48.3	1.917	2.893	4.6	21.0
3 22	10 51.67	+15 12.2	1.961	2.899	8.1	21.2
4 1	10 44.95	+15 21.4	2.030	2.904	11.4	21.5
4 11	10 40.30	+15 15.3	2.121	2.910	14.3	21.7

5488 Kiyosato 3 5.6 203°.62 4°.4/29.2 18 R

2 1	11 26.94	+17 53.7	2.402	3.250	10.3	16.3
2 11	11 22.23	+19 3.9	2.332	3.248	7.7	16.1
2 21	11 15.84	+20 14.8	2.289	3.246	5.3	16.0
3 2	11 8.36	+21 19.9	2.275	3.244	4.4	15.9
3 12	11 0.56	+22 13.0	2.290	3.241	6.1	16.0
3 22	10 53.26	+22 49.8	2.332	3.238	8.7	16.2
4 1	10 47.17	+23 8.2	2.400	3.235	11.3	16.3
4 11	10 42.84	+23 8.3	2.489	3.232	13.6	16.5

116943 2004 GV_{42} 3 5.6 267°.48 3°.2/ 1.3 17

2 1	11 25.88	+13 50.0	2.647	3.489	9.7	20.3
2 11	11 21.44	+15 0.4	2.549	3.465	7.1	20.1
2 21	11 15.41	+16 15.7	2.479	3.441	4.5	19.8
3 2	11 8.26	+17 30.3	2.438	3.416	3.2	19.7
3 12	11 0.67	+18 38.0	2.427	3.391	4.9	19.8
3 22	10 53.37	+19 33.7	2.446	3.365	7.7	19.9
4 1	10 47.06	+20 13.9	2.491	3.339	10.5	20.1
4 11	10 42.32	+20 37.1	2.559	3.313	13.0	20.2

303339 2004 TP_{196} 3 5.6 167°.69 1°.2/ 6.7 18

2 1	11 31.05	− 0 35.2	1.919	2.729	14.1	21.8
2 11	11 25.53	− 0 1.5	1.840	2.734	10.7	21.6
2 21	11 17.93	+ 0 48.6	1.784	2.739	6.7	21.3
3 2	11 8.94	+ 1 50.9	1.756	2.742	2.5	21.1
3 12	10 59.54	+ 2 59.3	1.757	2.745	2.7	21.1
3 22	10 50.74	+ 4 6.5	1.787	2.747	6.9	21.4
4 1	10 43.48	+ 5 6.1	1.845	2.749	10.8	21.6
4 11	10 38.38	+ 5 53.4	1.925	2.749	14.2	21.8

279660 2011 FX_{10} 3 5.6 302°.16 0°.8/ 4.8 17

2 1	11 25.83	+ 4 34.0	1.831	2.669	13.5	20.7
2 11	11 21.88	+ 5 24.2	1.745	2.659	9.9	20.5
2 21	11 15.86	+ 6 28.4	1.684	2.649	5.9	20.2
3 2	11 8.40	+ 7 40.8	1.650	2.640	1.5	19.9
3 12	11 0.45	+ 8 53.9	1.644	2.630	3.4	20.0
3 22	10 53.01	+10 0.2	1.666	2.621	7.8	20.3
4 1	10 47.02	+10 53.5	1.713	2.612	11.9	20.5
4 11	10 43.16	+11 29.8	1.783	2.603	15.4	20.7

210715 2000 SU_{214} 3 5.6 178°.62 1°.3/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.20	+ 9 1.1	2.805	3.633	9.6	21.4
2 11	11 22.14	+ 9 32.5	2.724	3.634	7.0	21.2
2 21	11 15.67	+10 9.0	2.671	3.635	4.1	21.0
3 2	11 8.30	+10 46.8	2.647	3.635	1.5	20.8
3 12	11 0.69	+11 21.7	2.654	3.635	2.9	20.9
3 22	10 53.47	+11 50.3	2.691	3.635	5.9	21.1
4 1	10 47.28	+12 9.8	2.756	3.634	8.6	21.3
4 11	10 42.55	+12 18.6	2.845	3.633	11.0	21.5

159900 2004 TF_{283} 3 5.6 106°.95 4°.0/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.03	+15 34.3	2.008	2.856	12.0	20.2
2 11	11 24.65	+16 29.8	1.948	2.866	8.8	20.0
2 21	11 17.31	+17 27.0	1.913	2.875	5.6	19.9
3 2	11 8.75	+18 18.9	1.906	2.884	4.0	19.8
3 12	10 59.93	+18 59.0	1.928	2.892	5.8	19.9
3 22	10 51.82	+19 23.0	1.978	2.901	9.0	20.1
4 1	10 45.24	+19 29.0	2.052	2.909	12.1	20.3
4 11	10 40.75	+19 17.3	2.147	2.918	14.7	20.5

142805 2002 UT_{28} 3 5.6 5°.69 21°.7/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	12 10.57	+58 49.0	1.358	2.090	22.6	18.9
2 11	11 56.60	+59 47.2	1.335	2.090	21.9	18.9
2 21	11 36.54	+59 59.1	1.326	2.091	21.7	18.9
3 2	11 13.66	+59 8.8	1.333	2.093	21.9	18.9
3 12	10 52.25	+57 12.1	1.356	2.097	22.6	19.0
3 22	10 35.49	+54 17.7	1.396	2.102	23.7	19.1
4 1	10 24.64	+50 41.3	1.452	2.108	24.9	19.2
4 11	10 19.46	+46 39.9	1.523	2.115	26.0	19.3

240496 2004 DX_{57} 3 5.6 3°.16 1°.0/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.48	+ 6 3.3	1.794	2.638	13.4	20.6
2 11	11 21.56	+ 6 42.1	1.721	2.638	9.8	20.3
2 21	11 15.62	+ 7 32.2	1.672	2.638	5.8	20.1
3 2	11 8.34	+ 8 27.9	1.649	2.639	1.6	19.8
3 12	11 0.67	+ 9 22.3	1.654	2.640	3.5	19.9
3 22	10 53.62	+10 9.0	1.687	2.642	7.7	20.2
4 1	10 48.06	+10 43.0	1.744	2.644	11.6	20.4
4 11	10 44.62	+11 1.4	1.823	2.647	14.9	20.6

471880 2013 AO_{97} 3 5.6 92°.89 3°.0/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.96	− 5 48.6	2.613	3.393	11.6	21.3
2 11	11 21.35	− 5 52.5	2.527	3.396	9.2	21.2
2 21	11 15.27	− 5 42.7	2.464	3.399	6.4	21.0
3 2	11 8.22	− 5 20.4	2.429	3.402	3.8	20.8
3 12	11 0.88	− 4 48.4	2.423	3.405	3.1	20.8
3 22	10 53.93	− 4 10.5	2.447	3.407	5.3	20.9
4 1	10 48.02	− 3 31.3	2.498	3.410	8.0	21.1
4 11	10 43.64	− 2 54.9	2.575	3.413	10.6	21.3

335587 2006 DG_{66} 3 5.6 291°.79 5°.9/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.39	+19 31.8	1.887	2.744	12.3	20.2
2 11	11 23.77	+20 49.1	1.816	2.734	9.3	20.0
2 21	11 16.98	+22 6.5	1.770	2.725	6.7	19.8
3 2	11 8.72	+23 15.4	1.751	2.716	6.0	19.8
3 12	11 0.00	+24 7.5	1.760	2.707	7.9	19.8
3 22	10 51.89	+24 37.6	1.794	2.698	10.9	20.0
4 1	10 45.36	+24 43.6	1.852	2.689	14.0	20.2
4 11	10 41.09	+24 26.7	1.929	2.680	16.8	20.4

110114 2001 SP_{136} 3 5.6 67°.04 1°.8/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.16	− 1 43.6	1.642	2.460	15.7	19.7
2 11	11 24.25	− 1 19.4	1.583	2.480	11.9	19.5
2 21	11 17.16	− 0 36.8	1.547	2.501	7.6	19.3
3 2	11 8.73	+ 0 19.9	1.537	2.522	3.2	19.1
3 12	11 0.05	+ 1 23.6	1.554	2.543	2.9	19.1
3 22	10 52.20	+ 2 26.9	1.599	2.563	7.1	19.4
4 1	10 46.10	+ 3 22.7	1.670	2.584	11.2	19.7
4 11	10 42.32	+ 4 6.1	1.763	2.605	14.6	19.9

435880 2008 YZ_{137} 3 5.6 71°.48 0°.9/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.97	+ 0 47.4	2.090	2.908	12.8	21.4
2 11	11 22.33	+ 1 11.1	2.020	2.919	9.6	21.2
2 21	11 15.93	+ 1 47.8	1.973	2.930	5.9	21.0
3 2	11 8.41	+ 2 33.9	1.954	2.942	2.1	20.7
3 12	11 0.62	+ 3 24.0	1.965	2.953	2.4	20.8
3 22	10 53.40	+ 4 12.7	2.003	2.965	6.2	21.0
4 1	10 47.53	+ 4 54.9	2.069	2.976	9.7	21.3
4 11	10 43.52	+ 5 26.9	2.158	2.987	12.7	21.5

256099 2006 UG_{248} 3 5.6 203°.44 1°.7/ 7.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.51	− 1 56.3	2.143	2.944	13.1	22.1
2 11	11 24.31	− 1 31.8	2.051	2.939	10.1	21.9
2 21	11 17.20	− 0 51.6	1.984	2.934	6.5	21.6
3 2	11 8.78	+ 0 1.4	1.944	2.928	2.8	21.4
3 12	10 59.91	+ 1 2.2	1.934	2.922	2.6	21.3
3 22	10 51.50	+ 2 4.6	1.954	2.915	6.3	21.6
4 1	10 44.39	+ 3 2.7	2.001	2.907	10.0	21.8
4 11	10 39.23	+ 3 51.3	2.072	2.899	13.3	22.0

276033 2002 AJ_{129} 3 5.6 127°.26 4°.3/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	12 5.40	+ 9 3.2	1.566	2.351	17.8	22.5
2 11	11 50.96	+11 32.0	1.510	2.398	13.0	22.3
2 21	11 33.02	+14 10.8	1.485	2.440	7.8	22.0
3 2	11 12.98	+16 42.7	1.496	2.477	4.3	21.9
3 12	10 52.86	+18 51.3	1.545	2.510	7.0	22.2
3 22	10 34.64	+20 26.7	1.630	2.538	11.5	22.5
4 1	10 19.76	+21 27.4	1.744	2.563	15.6	22.8
4 11	10 8.85	+21 57.8	1.880	2.583	18.6	23.1

406260 2007 DS_{116} 3 5.6 31°.60 11°.5/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.04	+29 39.7	1.312	2.179	15.9	19.7
2 11	11 25.59	+31 35.8	1.285	2.193	13.2	19.6
2 21	11 18.20	+33 16.2	1.280	2.208	11.6	19.6
3 2	11 9.03	+34 27.5	1.297	2.224	11.9	19.6
3 12	10 59.67	+35 0.8	1.338	2.241	13.7	19.8
3 22	10 51.63	+34 54.8	1.399	2.258	16.3	20.0
4 1	10 46.04	+34 13.0	1.479	2.277	18.9	20.2
4 11	10 43.47	+33 2.4	1.574	2.296	21.1	20.4

368211 2001 RT_{14} 3 5.6 204°.90 4°.6/10.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.67	−10 37.4	2.234	2.993	14.0	22.1
2 11	11 23.68	−10 36.1	2.138	2.988	11.4	21.9
2 21	11 16.83	−10 14.7	2.064	2.983	8.4	21.7
3 2	11 8.70	− 9 33.7	2.016	2.977	5.7	21.5
3 12	11 0.10	− 8 36.2	1.997	2.971	4.6	21.5
3 22	10 51.91	− 7 27.6	2.007	2.964	6.5	21.6
4 1	10 44.98	− 6 14.7	2.044	2.957	9.5	21.7
4 11	10 39.92	− 5 4.2	2.106	2.949	12.5	21.9

140247 2001 SY_{252} 3 5.6 191°.49 1°.2/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.65	+ 8 15.1	2.906	3.732	9.4	21.5
2 11	11 21.73	+ 8 54.7	2.822	3.731	6.8	21.3
2 21	11 15.45	+ 9 40.2	2.765	3.728	4.0	21.1
3 2	11 8.28	+10 27.6	2.738	3.726	1.4	20.9
3 12	11 0.86	+11 12.6	2.741	3.723	2.8	21.0
3 22	10 53.79	+11 51.6	2.775	3.719	5.7	21.2
4 1	10 47.68	+12 21.3	2.837	3.715	8.4	21.4
4 11	10 42.98	+12 40.1	2.923	3.710	10.8	21.6

316054 2009 HH_{54} 3 5.6 306°.38 4°.3/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.69	+12 16.0	1.471	2.333	14.8	20.6
2 11	11 23.77	+13 33.7	1.395	2.321	10.9	20.3
2 21	11 17.23	+15 1.2	1.343	2.310	6.7	20.1
3 2	11 8.85	+16 28.6	1.317	2.299	4.3	19.9
3 12	10 59.83	+17 44.6	1.317	2.289	6.9	20.0
3 22	10 51.50	+18 40.6	1.343	2.278	11.3	20.2
4 1	10 45.05	+19 11.4	1.391	2.268	15.5	20.4
4 11	10 41.29	+19 16.2	1.458	2.258	19.1	20.7

416250 2003 DL_{22} 3 5.6 314°.34 4°.4/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.02	+11 51.0	1.573	2.436	14.0	20.2
2 11	11 21.66	+13 30.0	1.496	2.423	10.2	20.0
2 21	11 15.92	+15 20.2	1.443	2.410	6.4	19.7
3 2	11 8.49	+17 11.3	1.417	2.397	4.4	19.5
3 12	11 0.46	+18 51.5	1.417	2.385	7.0	19.7
3 22	10 53.02	+20 11.2	1.444	2.373	11.1	19.9
4 1	10 47.26	+21 4.5	1.493	2.362	15.1	20.1
4 11	10 43.97	+21 29.9	1.562	2.351	18.5	20.3

258838 2002 PS_{26} 3 5.6 210°.19 1°.1/ 6.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.46	+ 0 18.1	2.044	2.855	13.3	22.2
2 11	11 25.11	+ 0 39.8	1.954	2.849	10.1	22.0
2 21	11 17.73	+ 1 15.8	1.887	2.842	6.3	21.7
3 2	11 8.95	+ 2 3.0	1.849	2.835	2.3	21.5
3 12	10 59.68	+ 2 55.9	1.840	2.828	2.6	21.5
3 22	10 50.90	+ 3 48.7	1.859	2.820	6.7	21.7
4 1	10 43.51	+ 4 35.7	1.907	2.811	10.5	21.9
4 11	10 38.17	+ 5 12.3	1.977	2.801	13.9	22.1

501358 2013 YV_{32} 3 5.6 51°.66 6°.8/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.13	+23 46.4	1.979	2.832	11.9	21.4
2 11	11 24.11	+25 2.8	1.928	2.839	9.3	21.2
2 21	11 17.06	+26 14.0	1.902	2.846	7.3	21.1
3 2	11 8.74	+27 11.7	1.903	2.853	6.9	21.1
3 12	11 0.15	+27 49.1	1.931	2.861	8.6	21.2
3 22	10 52.32	+28 2.8	1.985	2.868	11.1	21.4
4 1	10 46.11	+27 52.7	2.061	2.876	13.7	21.6
4 11	10 42.07	+27 21.2	2.157	2.884	15.9	21.7

268458 2005 WT_{111} 3 5.6 54°.29 6°.5/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.17	+19 44.4	1.593	2.454	13.9	20.2
2 11	11 25.13	+21 5.7	1.550	2.471	10.4	20.0
2 21	11 17.74	+22 24.5	1.532	2.487	7.4	19.8
3 2	11 8.92	+23 30.6	1.539	2.504	6.6	19.8
3 12	10 59.89	+24 15.9	1.573	2.521	8.5	20.0
3 22	10 51.85	+24 36.0	1.631	2.538	11.6	20.2
4 1	10 45.74	+24 30.6	1.713	2.556	14.7	20.4
4 11	10 42.15	+24 2.2	1.813	2.574	17.4	20.7

399573 2003 SP_{221} 3 5.6 135°.51 3°.1/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 31.95	+11 29.5	1.819	2.662	13.3	21.4
2 11	11 26.24	+12 31.1	1.757	2.674	9.7	21.2
2 21	11 18.36	+13 38.7	1.720	2.684	5.8	21.0
3 2	11 9.10	+14 45.0	1.710	2.694	3.2	20.8
3 12	10 59.54	+15 41.9	1.730	2.704	5.2	21.0
3 22	10 50.74	+16 23.7	1.778	2.713	9.0	21.2
4 1	10 43.64	+16 47.1	1.850	2.722	12.5	21.5
4 11	10 38.85	+16 51.7	1.944	2.729	15.5	21.7

468382 2016 GR_{12} 3 5.6 239°.87 2°.1/ 3.5 17

2 1	11 28.59	+ 9 14.1	1.985	2.826	12.4	21.4
2 11	11 23.77	+10 3.7	1.903	2.819	9.1	21.2
2 21	11 16.94	+11 1.7	1.847	2.812	5.4	20.9
3 2	11 8.74	+12 2.1	1.818	2.805	2.2	20.7
3 12	11 0.10	+12 57.8	1.818	2.797	4.2	20.8
3 22	10 51.98	+13 43.0	1.846	2.789	8.1	21.0
4 1	10 45.29	+14 13.3	1.900	2.781	11.7	21.2
4 11	10 40.67	+14 26.9	1.975	2.773	14.9	21.4

463325 2012 KR_{31} 3 5.6 308°.26 0°.4/ 5.9 17

2 1	11 27.39	+ 1 53.6	1.742	2.572	14.4	21.6
2 11	11 23.09	+ 2 28.2	1.662	2.569	10.8	21.3
2 21	11 16.62	+ 3 18.6	1.605	2.566	6.6	21.1
3 2	11 8.67	+ 4 20.0	1.574	2.563	1.9	20.8
3 12	11 0.25	+ 5 25.4	1.572	2.560	2.9	20.8
3 22	10 52.41	+ 6 27.4	1.597	2.557	7.5	21.1
4 1	10 46.14	+ 7 19.3	1.647	2.555	11.7	21.3
4 11	10 42.12	+ 7 56.8	1.720	2.552	15.3	21.6

458982 2011 WU_{70} 3 5.6 113°.83 1°.0/ 4.8 18

2 1	11 33.08	+ 6 3.9	1.748	2.580	14.3	22.1
2 11	11 27.05	+ 6 42.5	1.688	2.598	10.4	21.9
2 21	11 18.82	+ 7 31.7	1.652	2.615	6.1	21.7
3 2	11 9.22	+ 8 25.5	1.643	2.632	1.7	21.4
3 12	10 59.37	+ 9 16.7	1.663	2.648	3.5	21.6
3 22	10 50.36	+ 9 59.1	1.712	2.664	7.9	21.9
4 1	10 43.13	+10 28.5	1.787	2.679	11.8	22.1
4 11	10 38.26	+10 42.7	1.883	2.694	15.0	22.4

215887 2005 GZ_2 3 5.6 352°.03 2°.5/ 3.8 18

2 1	11 27.76	+ 8 54.9	1.240	2.105	16.8	20.6
2 11	11 24.07	+ 9 33.7	1.172	2.100	12.3	20.3
2 21	11 17.51	+10 24.5	1.126	2.095	7.3	20.0
3 2	11 8.95	+11 19.1	1.103	2.092	2.8	19.7
3 12	10 59.79	+12 7.8	1.106	2.089	5.4	19.9
3 22	10 51.51	+12 41.9	1.133	2.088	10.6	20.1
4 1	10 45.41	+12 56.4	1.182	2.087	15.5	20.4
4 11	10 42.29	+12 49.4	1.249	2.088	19.6	20.7

135185 2001 RR 3 5.6 22°.59 0°.7/ 6.3 17

2 1	11 28.60	+ 2 27.9	2.200	3.018	12.2	19.1
2 11	11 23.54	+ 2 33.7	2.118	3.018	9.2	18.9
2 21	11 16.69	+ 2 50.0	2.061	3.018	5.6	18.7
3 2	11 8.67	+ 3 14.0	2.031	3.019	1.9	18.5
3 12	11 0.29	+ 3 41.3	2.031	3.019	2.4	18.5
3 22	10 52.42	+ 4 7.8	2.060	3.020	6.1	18.7
4 1	10 45.84	+ 4 29.3	2.116	3.020	9.6	19.0
4 11	10 41.11	+ 4 42.8	2.195	3.021	12.7	19.2

379342 2009 WN_{92} 3 5.6 307°.51 2°.5/ 7.6 17

2 1	11 29.19	− 1 28.3	1.752	2.567	15.0	21.1
2 11	11 24.52	− 1 38.0	1.661	2.556	11.6	20.8
2 21	11 17.56	− 1 31.9	1.593	2.544	7.7	20.6
3 2	11 8.97	− 1 11.6	1.551	2.533	3.7	20.3
3 12	10 59.76	− 0 41.2	1.536	2.523	3.3	20.3
3 22	10 51.05	− 0 6.4	1.548	2.512	7.3	20.5
4 1	10 43.91	+ 0 26.9	1.586	2.502	11.5	20.7
4 11	10 39.10	+ 0 53.1	1.646	2.492	15.2	20.9

128387 2004 KH_8 3 5.6 216°.15 0°.8/ 4.8 17

2 1	11 29.57	+ 5 50.9	2.258	3.083	11.7	20.8
2 11	11 24.29	+ 6 27.4	2.168	3.075	8.6	20.6
2 21	11 17.18	+ 7 13.5	2.104	3.067	5.1	20.4
3 2	11 8.83	+ 8 4.7	2.069	3.058	1.4	20.1
3 12	11 0.04	+ 8 55.4	2.063	3.048	3.0	20.2
3 22	10 51.70	+ 9 40.4	2.087	3.038	6.8	20.4
4 1	10 44.61	+10 15.4	2.139	3.028	10.3	20.6
4 11	10 39.38	+10 37.6	2.214	3.017	13.3	20.8

221704 2007 DH_{97} 3 5.6 333°.25 0°.8/ 4.9 18

2 1	11 26.31	+ 4 50.4	1.544	2.391	15.1	20.4
2 11	11 22.57	+ 5 30.2	1.465	2.383	11.2	20.1
2 21	11 16.46	+ 6 24.8	1.408	2.374	6.6	19.8
3 2	11 8.67	+ 7 28.4	1.377	2.367	1.7	19.5
3 12	11 0.32	+ 8 32.8	1.373	2.360	3.7	19.6
3 22	10 52.60	+ 9 29.6	1.395	2.353	8.7	19.9
4 1	10 46.60	+10 12.3	1.441	2.347	13.2	20.1
4 11	10 43.07	+10 37.1	1.508	2.342	17.0	20.3

87458 2000 QK_{124} 3 5.6 126°.69 4°.0/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.08	+15 27.2	2.253	3.097	11.0	19.7
2 11	11 23.80	+16 50.1	2.197	3.113	8.1	19.5
2 21	11 16.78	+18 15.0	2.169	3.128	5.2	19.4
3 2	11 8.69	+19 34.6	2.169	3.143	4.1	19.3
3 12	11 0.36	+20 41.8	2.199	3.157	5.8	19.5
3 22	10 52.65	+21 32.1	2.258	3.170	8.6	19.7
4 1	10 46.29	+22 3.1	2.342	3.183	11.4	19.9
4 11	10 41.80	+22 14.8	2.448	3.195	13.7	20.1

510286 2011 LM_{28} 3 5.6 204°.81 2°.5/ 9.0 18

2 1	11 26.63	− 6 1.8	3.256	4.022	9.8	22.2
2 11	11 21.64	− 5 58.5	3.155	4.016	7.8	22.1
2 21	11 15.40	− 5 43.7	3.078	4.009	5.4	21.9
3 2	11 8.32	− 5 18.3	3.031	4.002	3.2	21.7
3 12	11 0.95	− 4 44.8	3.014	3.995	2.7	21.7
3 22	10 53.85	− 4 6.3	3.028	3.986	4.5	21.8
4 1	10 47.57	− 3 26.4	3.071	3.978	6.9	21.9
4 11	10 42.55	− 2 48.7	3.141	3.968	9.2	22.1

415874 2001 SZ_{295} 3 5.6 110°.04 1°.4/ 7.1 18

2 1	11 29.34	− 1 24.3	1.989	2.797	13.7	21.8
2 11	11 24.13	− 0 52.4	1.922	2.814	10.4	21.6
2 21	11 17.04	− 0 4.8	1.878	2.831	6.6	21.4
3 2	11 8.76	+ 0 54.6	1.862	2.847	2.6	21.2
3 12	11 0.23	+ 1 59.7	1.875	2.863	2.5	21.2
3 22	10 52.36	+ 3 4.1	1.917	2.879	6.4	21.5
4 1	10 45.94	+ 4 1.7	1.987	2.894	10.0	21.7
4 11	10 41.55	+ 4 48.0	2.080	2.909	13.1	22.0

29681 Saramanshad 3 5.6 57°.81 5°.0/ 1.7 18

2 1	11 32.32	+16 36.8	1.626	2.480	14.0	18.9
2 11	11 26.78	+17 27.5	1.565	2.485	10.4	18.7
2 21	11 18.81	+18 19.2	1.529	2.490	6.8	18.5
3 2	11 9.26	+19 3.5	1.518	2.495	5.0	18.4
3 12	10 59.38	+19 32.8	1.536	2.500	7.0	18.5
3 22	10 50.38	+19 42.4	1.579	2.506	10.6	18.8
4 1	10 43.31	+19 30.8	1.646	2.511	14.1	19.0
4 11	10 38.82	+18 59.6	1.732	2.516	17.2	19.2

161780 2006 UQ_{70} 3 5.6 158°.34 4°.7/29.8 18

2 1	11 30.35	+16 9.3	1.921	2.771	12.4	20.7
2 11	11 25.07	+17 28.7	1.858	2.776	9.1	20.5
2 21	11 17.70	+18 50.6	1.820	2.780	6.1	20.3
3 2	11 8.96	+20 6.4	1.811	2.784	4.8	20.2
3 12	10 59.88	+21 8.1	1.830	2.787	6.7	20.3
3 22	10 51.47	+21 50.2	1.876	2.790	9.9	20.5
4 1	10 44.67	+22 10.4	1.947	2.793	13.1	20.7
4 11	10 40.07	+22 9.1	2.038	2.795	15.8	20.9

326693 2003 AR_1 3 5.6 10°.52 2°.6/ 7.7 18

2 1	11 25.56	− 2 21.5	1.341	2.175	17.7	19.4
2 11	11 22.20	− 2 11.8	1.273	2.177	13.6	19.2
2 21	11 16.28	− 1 39.5	1.225	2.181	8.9	18.9
3 2	11 8.62	− 0 48.0	1.200	2.185	4.1	18.7
3 12	11 0.46	+ 0 15.3	1.201	2.190	3.5	18.6
3 22	10 53.09	+ 1 21.4	1.227	2.196	8.2	18.9
4 1	10 47.66	+ 2 21.1	1.277	2.202	12.9	19.2
4 11	10 44.90	+ 3 7.5	1.347	2.210	16.9	19.5

378937 2008 UM_{138} 3 5.6 110°.31 3°.0/ 2.5 18

2 1	11 29.10	+13 3.0	2.125	2.969	11.6	21.3
2 11	11 23.91	+13 50.6	2.059	2.976	8.5	21.1
2 21	11 16.91	+14 41.7	2.020	2.983	5.2	20.9
3 2	11 8.74	+15 30.5	2.008	2.991	3.1	20.8
3 12	11 0.30	+16 10.8	2.026	2.998	4.8	20.9
3 22	10 52.49	+16 38.3	2.072	3.005	8.0	21.1
4 1	10 46.08	+16 50.5	2.143	3.011	11.2	21.3
4 11	10 41.63	+16 46.8	2.237	3.018	13.9	21.5

357957 2006 AK_{37} 3 5.6 107°.29 1°.7/ 6.9 18

2 1	11 33.00	− 0 13.0	1.522	2.343	16.6	21.7
2 11	11 27.36	− 0 2.5	1.455	2.355	12.6	21.5
2 21	11 19.20	+ 0 25.8	1.411	2.367	7.9	21.3
3 2	11 9.40	+ 1 8.0	1.393	2.379	3.1	21.0
3 12	10 59.19	+ 1 57.5	1.402	2.390	3.2	21.0
3 22	10 49.87	+ 2 46.9	1.438	2.401	7.9	21.3
4 1	10 42.51	+ 3 29.4	1.499	2.412	12.3	21.6
4 11	10 37.81	+ 3 59.9	1.583	2.422	16.1	21.9

36940 2000 SA_{239} 3 5.6 206°.65 6°.6/28.0 18

2 1	11 34.18	+22 14.6	1.984	2.829	12.3	19.0
2 11	11 28.01	+23 36.1	1.914	2.823	9.5	18.8
2 21	11 19.53	+24 55.1	1.870	2.816	7.2	18.6
3 2	11 9.49	+26 2.5	1.855	2.809	6.7	18.6
3 12	10 58.99	+26 50.1	1.867	2.801	8.5	18.7
3 22	10 49.16	+27 13.6	1.906	2.792	11.3	18.8
4 1	10 41.02	+27 11.8	1.968	2.783	14.2	19.0
4 11	10 35.26	+26 46.9	2.050	2.772	16.8	19.2

318719 2005 QC_{180} 3 5.6 263°.99 9°.6/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.60	−27 22.5	2.635	3.263	14.9	20.3
2 11	11 23.71	−28 24.7	2.529	3.251	13.5	20.2
2 21	11 16.94	−29 4.9	2.442	3.238	12.0	20.0
3 2	11 8.81	−29 19.4	2.377	3.226	10.6	19.9
3 12	11 0.08	−29 7.0	2.335	3.213	9.7	19.8
3 22	10 51.60	−28 29.4	2.318	3.200	9.8	19.8
4 1	10 44.23	−27 30.9	2.326	3.187	10.7	19.8
4 11	10 38.66	−26 18.6	2.357	3.173	12.2	19.9

387206 2012 TM_{313} 3 5.6 149°.68 0°.3/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.76	+ 3 44.9	2.565	3.385	10.6	21.3
2 11	11 21.22	+ 4 35.8	2.488	3.392	7.8	21.1
2 21	11 15.22	+ 5 36.6	2.436	3.398	4.6	20.9
3 2	11 8.29	+ 6 43.0	2.414	3.404	1.2	20.6
3 12	11 1.10	+ 7 49.8	2.423	3.409	2.4	20.8
3 22	10 54.34	+ 8 51.7	2.462	3.415	5.8	21.0
4 1	10 48.64	+ 9 44.5	2.529	3.420	8.8	21.2
4 11	10 44.48	+10 25.2	2.620	3.424	11.4	21.4

397487 2007 RO_{49} 3 5.6 177°.44 0°.4/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.08	+ 1 40.1	2.045	2.859	13.2	22.5
2 11	11 25.50	+ 2 17.2	1.963	2.862	9.9	22.3
2 21	11 17.94	+ 3 8.1	1.905	2.864	6.0	22.1
3 2	11 9.06	+ 4 8.4	1.876	2.865	1.8	21.8
3 12	10 59.76	+ 5 12.1	1.877	2.865	2.6	21.8
3 22	10 51.02	+ 6 12.6	1.907	2.865	6.8	22.1
4 1	10 43.72	+ 7 4.4	1.965	2.863	10.6	22.3
4 11	10 38.47	+ 7 43.4	2.046	2.861	13.8	22.5

376737 1999 TQ_{67} 3 5.6 175°.68 2°.0/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.96	+10 30.9	2.544	3.376	10.3	22.3
2 11	11 23.61	+11 16.4	2.467	3.379	7.5	22.1
2 21	11 16.67	+12 6.9	2.417	3.381	4.4	22.0
3 2	11 8.71	+12 57.6	2.396	3.382	2.1	21.8
3 12	11 0.46	+13 43.4	2.406	3.383	3.7	21.9
3 22	10 52.68	+14 20.0	2.446	3.383	6.7	22.1
4 1	10 46.05	+14 44.6	2.513	3.383	9.7	22.3
4 11	10 41.08	+14 55.7	2.603	3.382	12.2	22.5

356807 2011 UV_{343} 3 5.7 274°.19 2°.9/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.77	+10 22.4	1.517	2.368	15.1	21.2
2 11	11 26.81	+11 6.8	1.433	2.353	11.1	20.9
2 21	11 19.12	+12 0.8	1.372	2.339	6.7	20.6
3 2	11 9.47	+12 56.9	1.338	2.324	3.0	20.4
3 12	10 59.08	+13 46.2	1.330	2.309	5.5	20.5
3 22	10 49.34	+14 21.1	1.349	2.295	10.2	20.7
4 1	10 41.51	+14 36.7	1.391	2.280	14.7	20.9
4 11	10 36.45	+14 31.7	1.453	2.265	18.6	21.1

399672 2004 SF_{5} 3 5.7 228°.63 1°.8/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 34.44	+ 8 38.5	1.844	2.677	13.6	22.4
2 11	11 28.35	+ 9 11.3	1.754	2.665	10.1	22.1
2 21	11 19.85	+ 9 52.8	1.688	2.652	6.0	21.8
3 2	11 9.64	+10 37.4	1.650	2.638	2.1	21.5
3 12	10 58.80	+11 18.5	1.642	2.624	4.1	21.6
3 22	10 48.50	+11 49.8	1.662	2.609	8.5	21.9
4 1	10 39.85	+12 7.3	1.708	2.593	12.7	22.1
4 11	10 33.62	+12 9.0	1.776	2.576	16.2	22.3

69500 Ginobartali 3 5.7 46°.61 0°.9/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.63	+ 0 45.0	1.342	2.182	17.3	19.4
2 11	11 24.35	+ 1 16.0	1.284	2.195	13.0	19.2
2 21	11 17.49	+ 2 6.5	1.247	2.209	8.0	19.0
3 2	11 8.97	+ 3 10.9	1.234	2.223	2.6	18.7
3 12	11 0.08	+ 4 20.2	1.248	2.237	3.2	18.8
3 22	10 52.14	+ 5 25.1	1.288	2.252	8.4	19.1
4 1	10 46.24	+ 6 17.9	1.351	2.267	13.1	19.4
4 11	10 43.04	+ 6 53.7	1.435	2.283	17.0	19.7

49322 1998 VN_{29} 3 5.7 111°.59 6°.2/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.49	−13 10.3	1.808	2.568	16.7	18.8
2 11	11 23.89	−13 22.6	1.728	2.574	13.8	18.6
2 21	11 17.12	−13 9.5	1.668	2.579	10.6	18.4
3 2	11 8.88	−12 30.7	1.632	2.585	7.6	18.3
3 12	11 0.17	−11 29.6	1.622	2.590	6.2	18.2
3 22	10 52.06	−10 12.8	1.639	2.595	7.8	18.3
4 1	10 45.53	− 8 49.0	1.682	2.600	10.8	18.5
4 11	10 41.25	− 7 27.3	1.749	2.605	14.0	18.7

190421 1999 VN_{79} 3 5.7 104°.55 3°.9/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.44	− 8 26.8	2.157	2.930	14.0	20.3
2 11	11 23.42	− 8 25.0	2.082	2.944	11.1	20.1
2 21	11 16.64	− 8 4.5	2.030	2.958	8.0	20.0
3 2	11 8.72	− 7 26.6	2.005	2.972	5.0	19.8
3 12	11 0.50	− 6 35.2	2.008	2.986	4.0	19.8
3 22	10 52.85	− 5 35.9	2.039	3.000	6.2	19.9
4 1	10 46.54	− 4 35.0	2.099	3.013	9.2	20.1
4 11	10 42.11	− 3 38.4	2.182	3.026	12.1	20.3

26924 Johnharvey 3 5.7 110°.85 3°.1/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.71	− 7 50.4	2.462	3.235	12.4	19.3
2 11	11 21.25	− 7 28.6	2.384	3.248	9.8	19.2
2 21	11 15.27	− 6 49.7	2.329	3.260	6.9	19.0
3 2	11 8.34	− 5 55.7	2.301	3.272	4.1	18.9
3 12	11 1.16	− 4 51.0	2.303	3.284	3.2	18.8
3 22	10 54.44	− 3 40.9	2.334	3.296	5.4	19.0
4 1	10 48.83	− 2 31.1	2.393	3.307	8.2	19.2
4 11	10 44.83	− 1 27.0	2.478	3.318	10.9	19.4

224516 2005 WD_{71} 3 5.7 117°.79 3°.8/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.59	+14 53.1	1.921	2.768	12.5	20.7
2 11	11 25.92	+15 40.7	1.858	2.775	9.2	20.5
2 21	11 18.19	+16 30.6	1.820	2.783	5.8	20.3
3 2	11 9.14	+17 15.8	1.810	2.790	3.8	20.2
3 12	10 59.80	+17 49.8	1.829	2.797	5.7	20.3
3 22	10 51.20	+18 8.2	1.875	2.803	9.0	20.5
4 1	10 44.22	+18 9.0	1.946	2.810	12.3	20.7
4 11	10 39.45	+17 52.6	2.038	2.816	15.1	20.9

431523 2007 TM_{228} 3 5.7 352°.40 5°.0/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.55	−10 59.6	1.868	2.646	15.6	20.4
2 11	11 20.23	−10 53.5	1.781	2.642	12.8	20.2
2 21	11 14.93	−10 23.2	1.715	2.639	9.5	20.0
3 2	11 8.29	− 9 29.4	1.673	2.636	6.4	19.8
3 12	11 1.20	− 8 16.4	1.658	2.634	5.1	19.7
3 22	10 54.60	− 6 51.1	1.670	2.633	7.0	19.8
4 1	10 49.40	− 5 22.2	1.708	2.632	10.3	20.0
4 11	10 46.22	− 3 58.1	1.769	2.632	13.6	20.2

492516 2014 OH_{41} 3 5.7 96°.59 4°.0/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.11	+12 12.2	1.569	2.422	14.5	21.3
2 11	11 25.89	+13 28.9	1.515	2.436	10.5	21.1
2 21	11 18.29	+14 52.0	1.485	2.450	6.4	20.9
3 2	11 9.18	+16 12.0	1.482	2.464	4.0	20.8
3 12	10 59.77	+17 19.3	1.507	2.478	6.2	20.9
3 22	10 51.26	+18 7.1	1.558	2.491	10.2	21.2
4 1	10 44.68	+18 32.4	1.633	2.504	13.9	21.5
4 11	10 40.62	+18 35.2	1.728	2.517	17.0	21.7

125556 2001 XJ_{10} 3 5.7 120°.01 1°.2/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 34.16	+ 1 24.9	1.624	2.445	15.7	20.0
2 11	11 28.10	+ 1 32.3	1.556	2.457	11.8	19.7
2 21	11 19.62	+ 1 54.6	1.511	2.469	7.3	19.5
3 2	11 9.56	+ 2 28.1	1.492	2.480	2.6	19.2
3 12	10 59.11	+ 3 6.7	1.502	2.490	3.0	19.3
3 22	10 49.50	+ 3 44.1	1.539	2.501	7.7	19.6
4 1	10 41.79	+ 4 14.6	1.602	2.511	11.9	19.8
4 11	10 36.65	+ 4 34.1	1.688	2.520	15.6	20.1

494227 2016 NX_{24} 3 5.7 231°.64 0°.0/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.19	+ 3 46.2	2.674	3.491	10.3	22.4
2 11	11 21.58	+ 4 16.4	2.581	3.483	7.7	22.2
2 21	11 15.50	+ 4 55.8	2.513	3.473	4.6	22.0
3 2	11 8.42	+ 5 41.0	2.475	3.464	1.2	21.7
3 12	11 1.01	+ 6 27.8	2.467	3.454	2.2	21.8
3 22	10 53.94	+ 7 11.9	2.489	3.444	5.5	22.0
4 1	10 47.86	+ 7 49.2	2.539	3.434	8.6	22.2
4 11	10 43.28	+ 8 17.0	2.613	3.423	11.3	22.4

140411 2001 TT_{82} 3 5.7 36°.15 0°.7/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.67	+ 2 32.2	1.426	2.266	16.5	19.2
2 11	11 25.00	+ 2 41.5	1.366	2.278	12.3	19.0
2 21	11 17.84	+ 3 6.2	1.328	2.290	7.5	18.8
3 2	11 9.08	+ 3 41.9	1.315	2.303	2.4	18.5
3 12	10 59.96	+ 4 21.5	1.328	2.317	3.1	18.6
3 22	10 51.76	+ 4 58.0	1.368	2.332	8.1	18.9
4 1	10 45.54	+ 5 25.6	1.432	2.347	12.6	19.2
4 11	10 41.94	+ 5 40.3	1.516	2.362	16.3	19.4

407804 2011 YB_{68} 3 5.7 54°.54 0°.7/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.65	+ 2 38.3	1.456	2.292	16.4	20.6
2 11	11 26.45	+ 2 45.6	1.394	2.303	12.3	20.4
2 21	11 18.71	+ 3 7.9	1.353	2.314	7.5	20.1
3 2	11 9.32	+ 3 40.8	1.337	2.325	2.4	19.8
3 12	10 59.54	+ 4 17.7	1.348	2.337	3.2	19.9
3 22	10 50.68	+ 4 51.9	1.386	2.349	8.1	20.2
4 1	10 43.82	+ 5 17.4	1.449	2.361	12.6	20.5
4 11	10 39.64	+ 5 30.5	1.532	2.374	16.4	20.8

172145 2002 JY_{138} 3 5.7 159°.96 4°.7/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.04	−10 26.7	2.033	2.796	15.0	20.6
2 11	11 24.80	−10 22.0	1.949	2.802	12.2	20.4
2 21	11 17.57	− 9 55.5	1.886	2.808	8.9	20.2
3 2	11 9.01	− 9 8.0	1.850	2.813	5.9	20.0
3 12	11 0.03	− 8 3.6	1.842	2.818	4.7	20.0
3 22	10 51.59	− 6 48.5	1.863	2.822	6.8	20.1
4 1	10 44.60	− 5 30.5	1.911	2.825	10.0	20.3
4 11	10 39.66	− 4 16.8	1.983	2.828	13.1	20.5

74384 1998 XQ_{20} 3 5.7 33°.68 5°.4/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.13	+17 37.3	1.871	2.730	12.2	19.0
2 11	11 22.04	+19 8.8	1.814	2.736	9.1	18.8
2 21	11 15.95	+20 41.5	1.783	2.742	6.3	18.6
3 2	11 8.55	+22 6.3	1.780	2.748	5.5	18.6
3 12	11 0.84	+23 14.8	1.804	2.755	7.4	18.7
3 22	10 53.80	+24 1.5	1.854	2.761	10.5	18.9
4 1	10 48.29	+24 24.1	1.928	2.769	13.4	19.1
4 11	10 44.89	+24 23.6	2.021	2.776	16.0	19.3

262654 2006 WT_{86} 3 5.7 133°.12 1°.4/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.76	− 1 28.5	2.321	3.117	12.4	21.7
2 11	11 24.96	− 1 1.9	2.249	3.135	9.4	21.6
2 21	11 17.49	− 0 21.7	2.202	3.152	6.0	21.4
3 2	11 8.96	+ 0 28.8	2.184	3.169	2.5	21.2
3 12	11 0.20	+ 1 24.6	2.196	3.184	2.3	21.2
3 22	10 52.01	+ 2 20.5	2.239	3.199	5.7	21.4
4 1	10 45.11	+ 3 11.5	2.309	3.212	9.0	21.7
4 11	10 40.03	+ 3 53.5	2.405	3.225	11.9	21.9

274475 2008 SY_{90} 3 5.7 219°.55 0°.9/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.80	+ 0 11.3	2.415	3.221	11.7	22.1
2 11	11 22.93	+ 0 39.0	2.320	3.213	8.8	21.9
2 21	11 16.39	+ 1 19.3	2.250	3.204	5.5	21.6
3 2	11 8.70	+ 2 9.4	2.208	3.195	2.0	21.4
3 12	11 0.60	+ 3 4.4	2.197	3.185	2.2	21.4
3 22	10 52.89	+ 3 59.4	2.216	3.175	5.8	21.6
4 1	10 46.29	+ 4 49.1	2.262	3.165	9.2	21.8
4 11	10 41.38	+ 5 29.8	2.333	3.153	12.2	22.0

467235 2016 EO_{165} 3 5.7 169°.04 1°.2/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.72	+ 7 0.3	1.819	2.656	13.6	21.6
2 11	11 25.46	+ 7 31.0	1.744	2.657	10.0	21.4
2 21	11 18.03	+ 8 11.3	1.693	2.658	5.9	21.1
3 2	11 9.15	+ 8 56.1	1.669	2.658	1.7	20.9
3 12	10 59.86	+ 9 38.7	1.674	2.659	3.6	21.0
3 22	10 51.23	+10 13.3	1.707	2.660	7.9	21.2
4 1	10 44.20	+10 35.7	1.766	2.660	11.8	21.5
4 11	10 39.43	+10 43.6	1.846	2.660	15.2	21.7

108191 2001 HK_{17} 3 5.7 257°.71 3°.1/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.05	− 5 25.3	1.847	2.645	15.0	20.5
2 11	11 23.67	− 5 6.5	1.749	2.631	11.8	20.2
2 21	11 17.10	− 4 26.5	1.673	2.616	8.1	20.0
3 2	11 8.94	− 3 27.1	1.622	2.601	4.3	19.7
3 12	11 0.15	− 2 13.5	1.600	2.586	3.5	19.6
3 22	10 51.78	− 0 53.1	1.606	2.570	7.1	19.8
4 1	10 44.85	+ 0 25.8	1.638	2.555	11.2	20.0
4 11	10 40.12	+ 1 35.7	1.693	2.538	14.9	20.2

250407 2003 UU_{237} 3 5.7 173°.74 0°.9/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.69	+ 0 18.6	2.049	2.859	13.3	21.8
2 11	11 25.24	+ 0 48.4	1.967	2.862	10.0	21.6
2 21	11 17.82	+ 1 32.5	1.909	2.865	6.2	21.4
3 2	11 9.09	+ 2 27.4	1.880	2.867	2.2	21.1
3 12	10 59.97	+ 3 27.2	1.880	2.868	2.5	21.1
3 22	10 51.39	+ 4 25.7	1.909	2.869	6.6	21.4
4 1	10 44.23	+ 5 17.2	1.966	2.869	10.3	21.6
4 11	10 39.11	+ 5 57.5	2.046	2.868	13.6	21.8

504028 2005 SQ_{266} 3 5.7 198°.54 1°.3/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.91	− 1 15.4	3.045	3.838	9.8	22.4
2 11	11 21.20	− 0 58.5	2.950	3.834	7.5	22.2
2 21	11 15.20	− 0 31.4	2.882	3.831	4.8	22.0
3 2	11 8.36	+ 0 4.0	2.843	3.826	2.1	21.8
3 12	11 1.24	+ 0 44.4	2.835	3.822	1.9	21.8
3 22	10 54.42	+ 1 26.2	2.857	3.817	4.6	22.0
4 1	10 48.49	+ 2 5.6	2.908	3.812	7.3	22.2
4 11	10 43.86	+ 2 39.6	2.985	3.806	9.8	22.3

460070 2014 OJ_{241} 3 5.7 188°.37 1°.6/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.72	+ 6 40.2	1.918	2.750	13.2	22.6
2 11	11 25.41	+ 7 41.6	1.839	2.750	9.6	22.4
2 21	11 18.00	+ 8 54.5	1.784	2.749	5.6	22.1
3 2	11 9.15	+10 12.4	1.759	2.747	1.9	21.8
3 12	10 59.86	+11 27.4	1.763	2.745	3.9	22.0
3 22	10 51.14	+12 32.3	1.795	2.741	8.1	22.2
4 1	10 43.94	+13 21.7	1.854	2.737	11.9	22.4
4 11	10 38.92	+13 53.2	1.935	2.733	15.1	22.7

286168 2001 UY_{11} 3 5.7 191°.23 3°.4/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.37	− 7 25.9	2.179	2.950	13.9	21.9
2 11	11 25.73	− 7 7.2	2.085	2.949	11.0	21.7
2 21	11 18.13	− 6 29.2	2.014	2.947	7.7	21.5
3 2	11 9.19	− 5 33.4	1.970	2.943	4.5	21.3
3 12	10 59.78	− 4 24.2	1.956	2.938	3.6	21.2
3 22	10 50.83	− 3 8.0	1.972	2.933	6.3	21.4
4 1	10 43.21	− 1 51.8	2.017	2.926	9.8	21.6
4 11	10 37.56	− 0 42.1	2.086	2.919	13.0	21.8

378943 2008 UC_{147} 3 5.7 190°.07 0°.2/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.90	+ 3 2.3	2.244	3.064	12.0	21.7
2 11	11 23.05	+ 3 28.9	2.161	3.063	8.9	21.5
2 21	11 16.46	+ 4 6.6	2.103	3.062	5.4	21.3
3 2	11 8.72	+ 4 51.5	2.073	3.061	1.5	21.0
3 12	11 0.62	+ 5 38.7	2.072	3.060	2.4	21.1
3 22	10 53.00	+ 6 23.0	2.101	3.059	6.2	21.3
4 1	10 46.61	+ 6 59.9	2.157	3.057	9.7	21.5
4 11	10 42.03	+ 7 26.2	2.237	3.055	12.7	21.7

6921 Janejacobs 3 5.7 184°.46 3°.4/ 2.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.78	+11 7.3	1.616	2.465	14.4	17.2
2 11	11 26.52	+12 12.3	1.546	2.466	10.5	17.0
2 21	11 18.78	+13 25.7	1.500	2.466	6.3	16.7
3 2	11 9.38	+14 39.0	1.481	2.465	3.4	16.5
3 12	10 59.49	+15 42.9	1.489	2.464	5.7	16.7
3 22	10 50.36	+16 30.2	1.525	2.463	9.9	16.9
4 1	10 43.07	+16 56.6	1.585	2.461	13.9	17.2
4 11	10 38.35	+17 1.4	1.665	2.459	17.3	17.4

293873 2007 RG_{265} 3 5.7 54°.04 1°.3/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.80	− 0 20.5	1.394	2.228	17.1	21.1
2 11	11 24.49	+ 0 10.3	1.329	2.236	12.9	20.8
2 21	11 17.63	+ 1 1.8	1.286	2.245	8.1	20.6
3 2	11 9.07	+ 2 8.9	1.267	2.254	2.9	20.3
3 12	11 0.06	+ 3 22.8	1.274	2.263	3.2	20.3
3 22	10 51.92	+ 4 34.2	1.307	2.272	8.3	20.6
4 1	10 45.74	+ 5 34.6	1.365	2.282	12.9	20.9
4 11	10 42.24	+ 6 18.6	1.444	2.292	16.9	21.2

95597 2002 FB_{21} 3 5.7 87°.22 0°.0/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.79	+ 0 33.3	1.921	2.745	13.5	19.5
2 11	11 21.67	+ 1 53.7	1.853	2.757	10.0	19.3
2 21	11 15.68	+ 3 31.1	1.809	2.770	6.0	19.1
3 2	11 8.51	+ 5 18.8	1.794	2.783	1.6	18.8
3 12	11 1.04	+ 7 8.0	1.808	2.796	2.8	18.9
3 22	10 54.17	+ 8 50.0	1.852	2.808	7.0	19.2
4 1	10 48.71	+10 17.6	1.922	2.820	10.8	19.4
4 11	10 45.22	+11 26.5	2.016	2.833	14.0	19.7

190439 1999 XQ_{203} 3 5.7 89°.24 7°.4/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.70	+27 4.9	2.132	2.974	11.7	19.8
2 11	11 26.54	+28 27.0	2.100	2.999	9.3	19.7
2 21	11 18.44	+29 40.1	2.094	3.024	7.6	19.7
3 2	11 9.22	+30 36.3	2.115	3.048	7.5	19.7
3 12	10 59.90	+31 9.9	2.163	3.072	8.9	19.8
3 22	10 51.46	+31 19.1	2.237	3.096	11.0	20.0
4 1	10 44.69	+31 4.6	2.334	3.119	13.2	20.2
4 11	10 40.08	+30 29.8	2.450	3.141	15.0	20.4

60887 2000 JS_{12} 3 5.7 49°.31 3°.1/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.93	− 3 13.9	1.267	2.096	18.8	19.2
2 11	11 25.55	− 3 8.1	1.204	2.105	14.6	18.9
2 21	11 18.36	− 2 38.1	1.161	2.114	9.6	18.7
3 2	11 9.29	− 1 47.1	1.141	2.124	4.6	18.4
3 12	10 59.72	− 0 42.7	1.146	2.134	3.9	18.4
3 22	10 51.10	+ 0 25.4	1.177	2.144	8.6	18.7
4 1	10 44.67	+ 1 27.5	1.231	2.155	13.4	19.0
4 11	10 41.16	+ 2 16.3	1.305	2.166	17.5	19.3

133339 2003 SN_{104} 3 5.7 171°.09 0°.6/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.52	+ 5 57.2	2.376	3.199	11.3	20.9
2 11	11 24.12	+ 6 21.6	2.296	3.201	8.3	20.7
2 21	11 17.05	+ 6 53.9	2.242	3.204	4.9	20.5
3 2	11 8.88	+ 7 30.4	2.216	3.205	1.3	20.2
3 12	11 0.40	+ 8 6.4	2.221	3.207	2.7	20.3
3 22	10 52.41	+ 8 37.5	2.255	3.208	6.2	20.6
4 1	10 45.64	+ 9 0.3	2.317	3.209	9.5	20.8
4 11	10 40.63	+ 9 12.6	2.403	3.209	12.3	21.0

430678 2003 VM_{10} 3 5.7 212°.82 17°.6/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.27	+42 21.9	1.221	2.043	19.8	20.5
2 11	11 41.12	+44 30.8	1.184	2.040	18.2	20.4
2 21	11 28.15	+46 10.2	1.166	2.035	17.6	20.3
3 2	11 11.98	+47 1.4	1.168	2.030	18.3	20.3
3 12	10 55.28	+46 53.7	1.189	2.024	20.0	20.4
3 22	10 40.77	+45 48.5	1.228	2.018	22.2	20.5
4 1	10 30.35	+43 55.5	1.282	2.011	24.6	20.7
4 11	10 24.72	+41 28.3	1.347	2.004	26.7	20.9

412085 2013 FE_{16} 3 5.7 316°.89 2°.6/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.72	+ 8 46.4	1.281	2.142	16.6	21.0
2 11	11 24.96	+ 9 27.8	1.200	2.126	12.3	20.7
2 21	11 18.23	+10 22.3	1.141	2.110	7.3	20.3
3 2	11 9.32	+11 22.3	1.106	2.094	2.8	20.0
3 12	10 59.57	+12 17.4	1.096	2.079	5.5	20.1
3 22	10 50.51	+12 58.4	1.110	2.064	10.9	20.4
4 1	10 43.56	+13 19.2	1.147	2.051	16.0	20.6
4 11	10 39.67	+13 17.1	1.202	2.038	20.3	20.9

373474 2000 SS_{174} 3 5.7 139°.91 1°.2/ 6.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 31.01	+ 0 19.3	2.388	3.189	11.9	22.0
2 11	11 25.15	+ 0 30.4	2.312	3.201	9.0	21.9
2 21	11 17.62	+ 0 52.8	2.261	3.213	5.7	21.7
3 2	11 9.03	+ 1 23.9	2.239	3.224	2.2	21.4
3 12	11 0.18	+ 1 59.5	2.247	3.235	2.3	21.5
3 22	10 51.87	+ 2 35.2	2.286	3.245	5.7	21.7
4 1	10 44.81	+ 3 7.0	2.353	3.255	8.9	21.9
4 11	10 39.52	+ 3 31.4	2.444	3.264	11.7	22.1

292364 2006 SR_{244} 3 5.7 232°.27 1°.8/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.92	+10 23.3	2.643	3.476	10.0	22.2
2 11	11 22.89	+10 59.9	2.554	3.465	7.3	22.0
2 21	11 16.32	+11 41.5	2.491	3.455	4.3	21.8
3 2	11 8.70	+12 23.9	2.457	3.443	1.9	21.6
3 12	11 0.74	+13 2.4	2.454	3.432	3.4	21.7
3 22	10 53.15	+13 32.9	2.480	3.420	6.5	21.8
4 1	10 46.62	+13 52.6	2.534	3.408	9.4	22.0
4 11	10 41.66	+13 59.9	2.611	3.396	12.0	22.2

284146 2005 WE_{68} 3 5.7 168°.31 2°.6/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.72	+ 9 20.4	1.624	2.468	14.6	21.4
2 11	11 27.18	+10 17.4	1.554	2.471	10.7	21.2
2 21	11 19.17	+11 24.2	1.508	2.474	6.3	20.9
3 2	11 9.51	+12 32.8	1.490	2.477	2.7	20.7
3 12	10 59.39	+13 34.5	1.499	2.478	5.0	20.9
3 22	10 50.05	+14 22.0	1.536	2.480	9.4	21.1
4 1	10 42.57	+14 50.8	1.597	2.481	13.5	21.4
4 11	10 37.65	+14 59.6	1.679	2.481	17.0	21.6

214052 2004 FX_{26} 3 5.7 281°.30 1°.1/ 7.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.83	− 1 2.5	2.258	3.069	12.2	20.5
2 11	11 20.83	− 0 25.6	2.171	3.065	9.3	20.3
2 21	11 15.17	+ 0 26.0	2.108	3.062	5.9	20.1
3 2	11 8.40	+ 1 28.9	2.072	3.058	2.3	19.9
3 12	11 1.27	+ 2 37.8	2.066	3.055	2.3	19.9
3 22	10 54.57	+ 3 46.7	2.089	3.051	5.9	20.1
4 1	10 49.01	+ 4 49.6	2.140	3.048	9.4	20.3
4 11	10 45.17	+ 5 42.0	2.214	3.045	12.4	20.5

360377 2002 CK_{87} 3 5.7 327°.29 3°.0/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.20	+ 8 29.5	1.305	2.167	16.3	20.2
2 11	11 23.68	+ 9 36.8	1.232	2.159	11.9	19.9
2 21	11 17.37	+10 58.9	1.181	2.150	7.1	19.6
3 2	11 9.08	+12 26.3	1.155	2.143	3.1	19.4
3 12	11 0.11	+13 47.3	1.155	2.135	5.9	19.5
3 22	10 51.91	+14 51.6	1.179	2.129	10.9	19.8
4 1	10 45.76	+15 32.3	1.226	2.123	15.7	20.0
4 11	10 42.49	+15 47.3	1.291	2.117	19.8	20.3

263185 2007 YO_{12} 3 5.7 268°.45 4°.9/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.95	+16 0.5	1.761	2.612	13.3	21.0
2 11	11 26.73	+17 3.8	1.674	2.593	9.9	20.7
2 21	11 19.02	+18 11.4	1.612	2.573	6.6	20.5
3 2	11 9.52	+19 14.6	1.577	2.553	4.9	20.3
3 12	10 59.33	+20 4.6	1.569	2.532	7.1	20.4
3 22	10 49.67	+20 34.8	1.588	2.511	10.8	20.6
4 1	10 41.71	+20 42.2	1.631	2.490	14.6	20.8
4 11	10 36.26	+20 26.8	1.694	2.468	17.9	20.9

384180 2009 BS_{67} 3 5.7 247°.52 1°.4/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.26	+ 7 11.8	2.369	3.204	10.9	20.9
2 11	11 21.09	+ 8 8.8	2.285	3.198	8.0	20.7
2 21	11 15.31	+ 9 14.7	2.227	3.192	4.6	20.5
3 2	11 8.44	+10 24.4	2.197	3.186	1.6	20.2
3 12	11 1.23	+11 32.0	2.198	3.179	3.3	20.3
3 22	10 54.42	+12 31.7	2.227	3.173	6.8	20.6
4 1	10 48.73	+13 19.3	2.284	3.167	10.0	20.7
4 11	10 44.70	+13 52.1	2.363	3.160	12.8	20.9

138543 2000 QR_{6} 3 5.7 130°.64 0°.1/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.08	+ 3 56.3	2.909	3.724	9.7	20.4
2 11	11 21.30	+ 4 33.7	2.837	3.738	7.1	20.2
2 21	11 15.25	+ 5 19.0	2.791	3.751	4.2	20.1
3 2	11 8.41	+ 6 8.8	2.774	3.764	1.1	19.9
3 12	11 1.37	+ 6 59.0	2.789	3.776	2.1	20.0
3 22	10 54.74	+ 7 45.6	2.834	3.788	5.1	20.2
4 1	10 49.07	+ 8 25.1	2.908	3.799	7.8	20.4
4 11	10 44.78	+ 8 55.3	3.007	3.810	10.1	20.5

376464 2012 JD_{8} 3 5.7 233°.73 4°.8/ 1.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.15	+17 31.7	1.996	2.844	12.1	20.9
2 11	11 25.74	+18 29.4	1.921	2.837	9.0	20.7
2 21	11 18.21	+19 28.2	1.872	2.830	6.1	20.5
3 2	11 9.26	+20 20.4	1.851	2.823	4.8	20.4
3 12	10 59.89	+20 59.2	1.858	2.816	6.6	20.5
3 22	10 51.12	+21 19.8	1.893	2.809	9.8	20.7
4 1	10 43.90	+21 20.3	1.952	2.801	12.9	20.8
4 11	10 38.87	+21 1.3	2.031	2.793	15.7	21.0

375047 2007 JN_{40} 3 5.7 100°.38 15°.3/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.78	−32 17.5	1.286	1.952	26.5	21.0
2 11	11 26.66	−33 4.0	1.221	1.967	24.1	20.8
2 21	11 19.28	−33 1.8	1.167	1.981	21.3	20.7
3 2	11 9.62	−32 2.7	1.128	1.995	18.4	20.5
3 12	10 59.31	−30 5.8	1.108	2.009	16.1	20.4
3 22	10 50.07	−27 19.6	1.109	2.022	15.3	20.4
4 1	10 43.38	−24 1.3	1.132	2.035	16.2	20.5
4 11	10 40.10	−20 32.8	1.177	2.048	18.4	20.7

186207 2001 WQ_{26} 3 5.7 219°.09 4°.0/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.70	− 8 33.8	2.056	2.832	14.4	21.0
2 11	11 23.17	− 8 22.6	1.962	2.827	11.6	20.8
2 21	11 16.69	− 7 50.5	1.891	2.822	8.3	20.6
3 2	11 8.87	− 6 58.9	1.846	2.816	5.2	20.4
3 12	11 0.56	− 5 51.8	1.829	2.810	4.1	20.3
3 22	10 52.70	− 4 35.5	1.841	2.803	6.5	20.5
4 1	10 46.16	− 3 17.6	1.880	2.797	10.0	20.6
4 11	10 41.60	− 2 5.2	1.943	2.790	13.2	20.8

422967 2003 FN_{49} 3 5.7 343°.27 1°.1/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.32	+ 4 45.2	1.231	2.096	16.9	20.2
2 11	11 20.19	+ 5 31.0	1.153	2.080	12.6	19.8
2 21	11 15.36	+ 6 36.2	1.097	2.066	7.4	19.5
3 2	11 8.57	+ 7 53.7	1.063	2.053	2.0	19.1
3 12	11 1.05	+ 9 12.7	1.055	2.042	4.4	19.3
3 22	10 54.22	+10 22.1	1.070	2.032	10.1	19.5
4 1	10 49.37	+11 13.1	1.107	2.024	15.2	19.8
4 11	10 47.36	+11 40.7	1.162	2.017	19.7	20.0

93472 2000 TV_{12} 3 5.7 240°.34 1°.9/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.76	− 2 21.5	2.289	3.086	12.5	20.7
2 11	11 23.82	− 2 3.7	2.186	3.071	9.7	20.5
2 21	11 17.04	− 1 31.0	2.108	3.056	6.3	20.2
3 2	11 8.97	− 0 45.6	2.057	3.040	2.9	20.0
3 12	11 0.38	+ 0 8.2	2.036	3.023	2.6	19.9
3 22	10 52.14	+ 1 5.0	2.044	3.006	6.0	20.1
4 1	10 45.07	+ 1 59.2	2.081	2.989	9.6	20.3
4 11	10 39.80	+ 2 45.9	2.141	2.970	12.8	20.5

129787 1999 JZ_{71} 3 5.7 348°.57 3°.4/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.77	+ 9 51.4	1.314	2.177	16.2	19.1
2 11	11 24.76	+10 54.2	1.248	2.174	11.9	18.8
2 21	11 17.97	+12 8.8	1.203	2.171	7.1	18.5
3 2	11 9.25	+13 25.6	1.183	2.169	3.4	18.3
3 12	10 59.95	+14 33.6	1.189	2.168	6.1	18.4
3 22	10 51.51	+15 23.7	1.219	2.167	10.9	18.7
4 1	10 45.17	+15 50.7	1.272	2.166	15.5	19.0
4 11	10 41.72	+15 53.3	1.344	2.166	19.4	19.2

421195 2013 RO_{83} 3 5.7 24°.61 4°.9/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.45	−11 2.1	1.822	2.598	16.0	20.8
2 11	11 21.66	−10 49.3	1.739	2.600	13.0	20.6
2 21	11 15.84	−10 11.3	1.677	2.602	9.6	20.4
3 2	11 8.64	− 9 9.3	1.640	2.605	6.3	20.2
3 12	11 0.99	− 7 48.1	1.630	2.607	5.0	20.2
3 22	10 53.90	− 6 15.5	1.647	2.610	7.1	20.3
4 1	10 48.29	− 4 40.4	1.690	2.613	10.5	20.5
4 11	10 44.79	− 3 11.8	1.758	2.616	13.8	20.7

82836 2001 QE_{47} 3 5.7 256°.81 1°.5/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.63	+ 6 42.3	1.768	2.609	13.7	19.9
2 11	11 24.10	+ 7 32.7	1.687	2.602	10.1	19.7
2 21	11 17.35	+ 8 35.0	1.630	2.595	5.9	19.4
3 2	11 9.06	+ 9 43.2	1.599	2.588	1.9	19.1
3 12	11 0.27	+10 49.2	1.597	2.581	4.0	19.2
3 22	10 52.04	+11 45.8	1.623	2.574	8.4	19.5
4 1	10 45.38	+12 27.3	1.674	2.566	12.4	19.7
4 11	10 40.99	+12 51.0	1.746	2.559	15.9	19.9

247529 2002 QE_{121} 3 5.7 261°.26 2°.3/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.30	− 2 37.4	2.178	2.977	13.0	21.3
2 11	11 23.52	− 2 36.1	2.083	2.968	10.1	21.1
2 21	11 16.87	− 2 20.3	2.012	2.958	6.7	20.9
3 2	11 8.92	− 1 51.8	1.967	2.948	3.3	20.6
3 12	11 0.50	− 1 14.3	1.952	2.938	2.9	20.6
3 22	10 52.49	− 0 32.7	1.966	2.928	6.1	20.8
4 1	10 45.72	+ 0 7.8	2.006	2.918	9.7	21.0
4 11	10 40.83	+ 0 42.4	2.071	2.908	12.9	21.2

91258 1999 CE_{84} 3 5.7 37°.53 6°.5/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.53	+17 28.9	1.304	2.170	16.0	18.6
2 11	11 27.52	+18 41.4	1.249	2.174	12.0	18.4
2 21	11 19.56	+19 55.2	1.217	2.178	8.1	18.2
3 2	11 9.67	+20 58.7	1.209	2.183	6.5	18.1
3 12	10 59.33	+21 41.3	1.226	2.187	8.8	18.2
3 22	10 50.09	+21 57.0	1.268	2.192	12.8	18.5
4 1	10 43.18	+21 44.7	1.331	2.198	16.7	18.7
4 11	10 39.32	+21 7.3	1.411	2.203	20.1	19.0

206863 2004 FJ_{70} 3 5.7 45°.73 0°.0/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.61	+ 3 26.7	2.055	2.883	12.6	20.5
2 11	11 22.21	+ 3 56.9	1.982	2.889	9.3	20.3
2 21	11 16.02	+ 4 38.6	1.934	2.895	5.6	20.1
3 2	11 8.67	+ 5 27.5	1.913	2.902	1.5	19.8
3 12	11 1.01	+ 6 17.9	1.921	2.909	2.6	19.9
3 22	10 53.90	+ 7 4.2	1.957	2.915	6.5	20.2
4 1	10 48.13	+ 7 41.8	2.020	2.923	10.1	20.4
4 11	10 44.24	+ 8 7.4	2.106	2.930	13.2	20.6

366955 2005 WB_{29} 3 5.7 147°.28 1°.5/ 7.4 16

2 1	11 29.63	− 1 30.6	2.347	3.145	12.2	22.7
2 11	11 24.21	− 1 9.6	2.269	3.155	9.3	22.5
2 21	11 17.13	− 0 35.2	2.215	3.165	6.0	22.3
3 2	11 8.96	+ 0 9.7	2.190	3.174	2.6	22.1
3 12	11 0.51	+ 1 0.6	2.195	3.183	2.3	22.1
3 22	10 52.56	+ 1 52.3	2.230	3.191	5.7	22.3
4 1	10 45.86	+ 2 40.0	2.293	3.198	9.0	22.5
4 11	10 40.91	+ 3 19.5	2.380	3.205	11.8	22.7

171028 2005 EY_{58} 3 5.7 290°.30 0°.8/ 6.3 18

2 1	11 31.49	+ 2 40.9	1.539	2.371	15.9	19.6
2 11	11 26.55	+ 2 45.1	1.454	2.362	12.0	19.3
2 21	11 18.98	+ 3 3.9	1.392	2.353	7.4	19.0
3 2	11 9.55	+ 3 33.7	1.355	2.344	2.4	18.7
3 12	10 59.44	+ 4 8.6	1.346	2.334	3.2	18.7
3 22	10 49.96	+ 4 42.0	1.363	2.325	8.3	19.0
4 1	10 42.32	+ 5 7.7	1.405	2.317	13.0	19.2
4 11	10 37.35	+ 5 21.4	1.467	2.308	17.1	19.5

247339 2001 UP_{200} 3 5.7 63°.55 4°.4/ 1.6 18

2 1	11 32.09	+18 38.8	2.153	2.997	11.5	20.6
2 11	11 26.12	+19 10.9	2.092	3.005	8.6	20.4
2 21	11 18.27	+19 41.3	2.057	3.014	5.7	20.2
3 2	11 9.26	+20 3.9	2.050	3.022	4.4	20.1
3 12	11 0.04	+20 14.0	2.071	3.031	5.9	20.3
3 22	10 51.55	+20 8.7	2.121	3.039	8.7	20.4
4 1	10 44.56	+19 47.3	2.196	3.048	11.6	20.6
4 11	10 39.62	+19 11.0	2.293	3.057	14.1	20.8

450285 2004 FG_{57} 3 5.7 229°.47 0°.5/ 6.1 18

2 1	11 32.99	+ 2 33.5	1.525	2.356	16.1	21.7
2 11	11 27.67	+ 2 52.1	1.442	2.349	12.1	21.5
2 21	11 19.67	+ 3 26.9	1.381	2.342	7.4	21.2
3 2	11 9.74	+ 4 13.3	1.346	2.334	2.3	20.8
3 12	10 59.12	+ 5 4.4	1.338	2.326	3.3	20.9
3 22	10 49.17	+ 5 52.4	1.357	2.318	8.5	21.2
4 1	10 41.11	+ 6 30.6	1.401	2.309	13.3	21.4
4 11	10 35.80	+ 6 54.2	1.466	2.300	17.4	21.7

358496 2007 RQ_{120} 3 5.7 326°.36 0°.6/ 6.2 18

2 1	11 27.15	+ 0 19.3	1.395	2.233	16.9	20.8
2 11	11 23.46	+ 1 7.6	1.318	2.229	12.7	20.5
2 21	11 17.17	+ 2 18.2	1.263	2.225	7.8	20.2
3 2	11 9.05	+ 3 45.3	1.233	2.222	2.4	19.9
3 12	11 0.32	+ 5 19.0	1.230	2.219	3.3	19.9
3 22	10 52.30	+ 6 48.4	1.252	2.216	8.7	20.2
4 1	10 46.17	+ 8 3.9	1.299	2.213	13.7	20.5
4 11	10 42.74	+ 8 59.3	1.365	2.210	17.8	20.7

454285 2014 HZ_{160} 3 5.7 178°.34 2°.7/ 3.4 18

2 1	11 31.97	+ 8 25.9	1.571	2.416	14.9	21.8
2 11	11 26.75	+ 9 36.3	1.500	2.417	10.9	21.6
2 21	11 19.00	+10 58.9	1.452	2.419	6.4	21.3
3 2	11 9.53	+12 24.9	1.432	2.419	2.8	21.1
3 12	10 59.55	+13 44.2	1.440	2.419	5.2	21.2
3 22	10 50.32	+14 48.3	1.475	2.419	9.7	21.5
4 1	10 42.97	+15 31.8	1.534	2.418	13.9	21.7
4 11	10 38.24	+15 52.8	1.614	2.416	17.5	22.0

217067 2001 SA_{67} 3 5.7 157°.04 1°.2/ 4.3 17

2 1	11 29.63	+ 6 50.1	2.479	3.302	10.9	21.8
2 11	11 24.14	+ 7 40.9	2.405	3.312	7.9	21.7
2 21	11 17.05	+ 8 39.6	2.357	3.320	4.6	21.5
3 2	11 8.94	+ 9 41.4	2.340	3.328	1.4	21.3
3 12	11 0.57	+10 40.7	2.353	3.335	3.0	21.4
3 22	10 52.68	+11 32.6	2.396	3.342	6.4	21.6
4 1	10 45.99	+12 13.3	2.467	3.347	9.5	21.8
4 11	10 40.98	+12 40.7	2.562	3.352	12.1	22.0

243266 2008 AW 3 5.7 53°.28 7°.1/26.4 17

2 1	11 29.75	+26 59.1	2.234	3.079	11.1	20.1
2 11	11 24.53	+28 11.2	2.180	3.081	8.9	19.9
2 21	11 17.39	+29 16.3	2.151	3.083	7.4	19.8
3 2	11 9.04	+30 6.7	2.149	3.084	7.3	19.8
3 12	11 0.42	+30 36.8	2.174	3.086	8.7	19.9
3 22	10 52.46	+30 43.6	2.225	3.088	10.9	20.1
4 1	10 45.99	+30 27.3	2.298	3.090	13.1	20.2
4 11	10 41.56	+29 50.4	2.391	3.092	15.1	20.4

76734 2000 JK_{54} 3 5.7 312°.57 1°.8/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.37	+ 8 5.9	1.903	2.748	12.7	19.5
2 11	11 22.34	+ 8 49.3	1.815	2.733	9.4	19.3
2 21	11 16.28	+ 9 42.4	1.752	2.718	5.5	19.0
3 2	11 8.79	+10 39.8	1.715	2.703	2.0	18.8
3 12	11 0.78	+11 34.5	1.707	2.689	4.0	18.9
3 22	10 53.24	+12 20.1	1.726	2.675	8.1	19.1
4 1	10 47.10	+12 51.8	1.771	2.662	11.9	19.3
4 11	10 43.04	+13 6.9	1.837	2.649	15.3	19.5

117116 2004 PV_{14} 3 5.7 198°.71 2°.4/ 3.1 17

2 1	11 28.65	+10 5.3	2.117	2.957	11.8	20.5
2 11	11 23.75	+11 2.8	2.039	2.955	8.6	20.3
2 21	11 16.98	+12 7.6	1.987	2.952	5.1	20.1
3 2	11 8.95	+13 13.5	1.964	2.949	2.4	19.9
3 12	11 0.54	+14 13.7	1.970	2.946	4.3	20.0
3 22	10 52.65	+15 2.4	2.004	2.943	7.9	20.2
4 1	10 46.10	+15 35.9	2.065	2.939	11.3	20.4
4 11	10 41.50	+15 52.5	2.147	2.935	14.2	20.6

91434 1999 RY_{3} 3 5.7 179°.44 2°.1/ 7.9 18 R

2 1	11 29.26	− 2 40.2	2.373	3.166	12.2	20.5
2 11	11 24.00	− 2 30.9	2.286	3.167	9.4	20.3
2 21	11 17.05	− 2 7.9	2.222	3.168	6.2	20.1
3 2	11 8.96	− 1 33.3	2.187	3.169	3.0	19.9
3 12	11 0.52	− 0 51.1	2.182	3.168	2.6	19.9
3 22	10 52.52	− 0 5.8	2.206	3.168	5.7	20.1
4 1	10 45.70	+ 0 37.6	2.259	3.167	8.9	20.3
4 11	10 40.64	+ 1 14.8	2.336	3.165	11.9	20.5

204973 1993 SN_{9} 3 5.7 136°.64 0°.1/ 5.8 18

2 1	11 32.73	+ 2 36.0	1.934	2.751	13.7	21.7
2 11	11 26.75	+ 3 12.1	1.865	2.766	10.2	21.5
2 21	11 18.73	+ 4 1.1	1.821	2.780	6.1	21.3
3 2	11 9.41	+ 4 58.2	1.805	2.794	1.7	21.0
3 12	10 59.80	+ 5 57.0	1.819	2.806	2.7	21.1
3 22	10 50.89	+ 6 51.1	1.862	2.818	7.0	21.4
4 1	10 43.56	+ 7 35.3	1.932	2.829	10.8	21.7
4 11	10 38.40	+ 8 6.3	2.025	2.840	14.0	21.9

364187 2006 PU_{10} 3 5.7 246°.50 0°.9/ 6.5 14 C

2 1	11 30.26	+ 0 29.0	1.954	2.768	13.7	22.4
2 11	11 25.25	+ 0 58.3	1.854	2.751	10.4	22.1
2 21	11 18.06	+ 1 43.5	1.777	2.734	6.5	21.8
3 2	11 9.30	+ 2 41.3	1.728	2.715	2.3	21.5
3 12	10 59.89	+ 3 45.6	1.708	2.696	2.7	21.5
3 22	10 50.87	+ 4 49.5	1.716	2.676	7.1	21.7
4 1	10 43.24	+ 5 46.6	1.752	2.656	11.3	21.9
4 11	10 37.75	+ 6 31.5	1.810	2.635	15.0	22.1

100161 1993 TV_{28} 3 5.7 209°.13 1°.5/ 4.1 18

2 1	11 27.73	+ 7 55.4	2.205	3.040	11.6	20.4
2 11	11 23.00	+ 8 39.3	2.125	3.037	8.5	20.2
2 21	11 16.50	+ 9 31.3	2.070	3.035	5.0	20.0
3 2	11 8.82	+10 26.3	2.044	3.032	1.7	19.8
3 12	11 0.78	+11 18.5	2.047	3.029	3.5	19.9
3 22	10 53.23	+12 2.5	2.079	3.026	7.1	20.1
4 1	10 46.93	+12 34.4	2.138	3.023	10.5	20.3
4 11	10 42.48	+12 52.1	2.219	3.019	13.4	20.5

501406 2013 YD_{107} 3 5.7 107°.67 1°.4/ 3.9 17

2 1	11 26.95	+ 7 45.2	2.417	3.249	10.8	22.1
2 11	11 22.18	+ 8 36.8	2.352	3.263	7.8	21.9
2 21	11 15.88	+ 9 35.4	2.313	3.278	4.5	21.7
3 2	11 8.62	+10 36.1	2.304	3.292	1.6	21.5
3 12	11 1.15	+11 33.2	2.324	3.306	3.2	21.6
3 22	10 54.21	+12 22.1	2.374	3.319	6.5	21.9
4 1	10 48.43	+12 59.2	2.451	3.333	9.5	22.1
4 11	10 44.30	+13 22.7	2.552	3.346	12.0	22.3

349044 2006 VC_{122} 3 5.7 124°.03 2°.4/ 2.9 17

2 1	11 26.99	+12 1.1	2.532	3.371	10.1	21.4
2 11	11 22.20	+12 44.8	2.462	3.377	7.4	21.2
2 21	11 15.90	+13 32.3	2.418	3.382	4.4	21.1
3 2	11 8.64	+14 18.8	2.403	3.387	2.4	20.9
3 12	11 1.14	+14 59.2	2.419	3.393	3.9	21.0
3 22	10 54.11	+15 29.7	2.463	3.398	6.8	21.2
4 1	10 48.21	+15 47.7	2.534	3.403	9.6	21.4
4 11	10 43.92	+15 52.3	2.627	3.407	12.1	21.6

307547 2003 EN_{23} 3 5.7 355°.63 6°.5/ 2.5 18

2 1	11 37.84	+20 52.2	1.281	2.142	16.6	19.2
2 11	11 31.59	+20 56.4	1.216	2.136	12.7	18.9
2 21	11 22.07	+20 53.9	1.173	2.132	8.7	18.7
3 2	11 10.39	+20 36.0	1.154	2.129	6.5	18.5
3 12	10 58.22	+19 56.3	1.161	2.127	8.4	18.6
3 22	10 47.29	+18 53.3	1.192	2.127	12.5	18.9
4 1	10 38.98	+17 29.6	1.246	2.128	16.6	19.1
4 11	10 34.05	+15 50.2	1.319	2.130	20.3	19.4

265795 2005 WE_{193} 3 5.7 143°.03 4°.7/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.70	+16 24.5	2.083	2.933	11.6	20.8
2 11	11 23.80	+17 58.1	2.023	2.940	8.5	20.7
2 21	11 16.99	+19 34.0	1.990	2.948	5.8	20.5
3 2	11 8.96	+21 3.7	1.985	2.955	4.8	20.5
3 12	11 0.60	+22 19.2	2.009	2.962	6.7	20.6
3 22	10 52.86	+23 15.0	2.061	2.968	9.6	20.8
4 1	10 46.54	+23 48.6	2.137	2.974	12.5	21.0
4 11	10 42.22	+24 0.3	2.234	2.979	14.9	21.1

494127 2016 CN_{153} 3 5.7 122°.21 0°.5/ 6.2 18

2 1	11 33.05	+ 1 57.6	1.820	2.638	14.4	22.2
2 11	11 27.07	+ 2 24.7	1.755	2.655	10.7	22.0
2 21	11 18.96	+ 3 5.5	1.713	2.671	6.5	21.8
3 2	11 9.50	+ 3 55.5	1.698	2.687	2.0	21.5
3 12	10 59.74	+ 4 48.3	1.713	2.702	2.7	21.6
3 22	10 50.75	+ 5 37.5	1.757	2.716	7.1	21.9
4 1	10 43.45	+ 6 17.8	1.827	2.729	11.0	22.2
4 11	10 38.43	+ 6 45.6	1.920	2.742	14.3	22.4

304925 2007 RG_{313} 3 5.7 129°.03 4°.0/ 2.4 18

2 1	11 34.17	+13 58.5	1.696	2.543	13.9	20.9
2 11	11 28.09	+14 50.9	1.635	2.553	10.2	20.7
2 21	11 19.65	+15 46.8	1.599	2.562	6.3	20.5
3 2	11 9.69	+16 38.4	1.590	2.572	4.0	20.3
3 12	10 59.42	+17 17.8	1.610	2.580	6.0	20.5
3 22	10 50.02	+17 40.1	1.657	2.589	9.7	20.7
4 1	10 42.50	+17 42.9	1.728	2.597	13.4	20.9
4 11	10 37.51	+17 26.8	1.819	2.604	16.5	21.2

397134 2005 WO_{92} 3 5.7 208°.77 1°.6/ 4.3 18

2 1	11 32.89	+ 7 5.9	1.725	2.560	14.3	22.3
2 11	11 27.32	+ 7 53.1	1.643	2.555	10.5	22.1
2 21	11 19.33	+ 8 52.0	1.585	2.549	6.2	21.8
3 2	11 9.66	+ 9 56.2	1.554	2.543	2.0	21.5
3 12	10 59.40	+10 57.6	1.552	2.535	4.1	21.6
3 22	10 49.77	+11 48.9	1.578	2.527	8.7	21.9
4 1	10 41.86	+12 24.7	1.630	2.519	12.9	22.1
4 11	10 36.42	+12 42.6	1.703	2.509	16.5	22.3

358082 2006 JG_{18} 3 5.7 295°.47 2°.9/ 8.1 16

2 1	11 27.60	− 4 11.0	1.487	2.305	17.1	21.5
2 11	11 23.76	− 3 52.1	1.401	2.296	13.3	21.2
2 21	11 17.37	− 3 9.1	1.336	2.287	9.0	20.9
3 2	11 9.15	− 2 4.5	1.296	2.278	4.4	20.6
3 12	11 0.24	− 0 45.1	1.281	2.269	3.6	20.6
3 22	10 51.91	+ 0 39.7	1.293	2.260	8.0	20.8
4 1	10 45.36	+ 1 59.9	1.330	2.252	12.8	21.0
4 11	10 41.43	+ 3 7.3	1.388	2.244	17.0	21.3

65074 2002 AM_{189} 3 5.7 95°.66 4°.3/10.6 18

2 1	11 28.78	−11 1.4	2.086	2.847	14.8	19.8
2 11	11 23.71	−10 39.3	2.019	2.871	11.9	19.6
2 21	11 16.87	− 9 55.2	1.974	2.896	8.6	19.5
3 2	11 8.92	− 8 51.1	1.956	2.919	5.6	19.3
3 12	11 0.75	− 7 32.2	1.966	2.943	4.3	19.3
3 22	10 53.23	− 6 5.5	2.005	2.965	6.2	19.5
4 1	10 47.11	− 4 38.5	2.072	2.988	9.2	19.7
4 11	10 42.93	− 3 18.2	2.164	3.009	12.1	19.9

319706 2006 UN_{27} 3 5.7 9°.44 2°.8/ 7.9 18

2 1	11 25.37	− 3 15.2	1.308	2.141	18.1	20.6
2 11	11 22.21	− 3 1.3	1.239	2.142	14.0	20.3
2 21	11 16.43	− 2 22.9	1.190	2.145	9.3	20.1
3 2	11 8.87	− 1 23.3	1.164	2.148	4.4	19.8
3 12	11 0.78	− 0 10.4	1.164	2.152	3.6	19.7
3 22	10 53.47	+ 1 5.8	1.188	2.157	8.3	20.0
4 1	10 48.13	+ 2 15.5	1.236	2.164	13.1	20.3
4 11	10 45.49	+ 3 10.8	1.304	2.171	17.2	20.6

44947 1999 VK_{62} 3 5.7 288°.54 2°.0/ 7.3 18

2 1	11 28.51	− 1 31.0	1.580	2.402	16.0	18.0
2 11	11 24.33	− 1 15.1	1.491	2.390	12.3	17.7
2 21	11 17.68	− 0 39.2	1.423	2.378	8.0	17.4
3 2	11 9.24	+ 0 13.6	1.380	2.366	3.4	17.1
3 12	11 0.10	+ 1 17.1	1.365	2.353	3.2	17.1
3 22	10 51.50	+ 2 23.2	1.376	2.341	7.9	17.3
4 1	10 44.58	+ 3 23.7	1.412	2.329	12.5	17.5
4 11	10 40.19	+ 4 11.8	1.470	2.318	16.6	17.8

434186 2002 XH_{83} 3 5.7 15°.00 14°.7/23.2 18

2 1	11 20.17	−29 18.9	1.284	1.987	25.0	19.5
2 11	11 18.60	−30 39.0	1.234	2.003	22.6	19.3
2 21	11 14.35	−31 14.5	1.196	2.023	20.1	19.2
3 2	11 8.30	−30 59.7	1.173	2.044	17.5	19.1
3 12	11 1.79	−29 55.1	1.168	2.068	15.5	19.1
3 22	10 56.19	−28 7.9	1.182	2.094	14.7	19.1
4 1	10 52.67	−25 51.3	1.217	2.122	15.2	19.2
4 11	10 51.92	−23 21.9	1.273	2.151	16.7	19.4

38005 1998 KM_{47} 3 5.7 157°.01 6°.9/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.17	−22 6.1	2.781	3.454	13.3	18.3
2 11	11 20.92	−22 16.8	2.687	3.457	11.6	18.2
2 21	11 15.20	−22 5.9	2.613	3.460	9.7	18.0
3 2	11 8.48	−21 32.4	2.562	3.462	8.0	17.9
3 12	11 1.45	−20 37.8	2.538	3.465	6.9	17.8
3 22	10 54.79	−19 25.9	2.542	3.467	7.1	17.8
4 1	10 49.15	−18 2.1	2.573	3.469	8.5	17.9
4 11	10 45.02	−16 33.4	2.629	3.471	10.3	18.1

303281 2004 RE_{231} 3 5.7 203°.91 1°.4/ 7.0 17

2 1	11 30.78	− 1 17.6	1.881	2.689	14.4	21.7
2 11	11 25.60	− 0 44.0	1.792	2.685	11.0	21.5
2 21	11 18.24	+ 0 7.5	1.726	2.680	7.0	21.2
3 2	11 9.36	+ 1 13.2	1.688	2.674	2.7	21.0
3 12	10 59.95	+ 2 26.6	1.679	2.668	2.7	20.9
3 22	10 51.05	+ 3 40.2	1.699	2.660	7.1	21.2
4 1	10 43.66	+ 4 46.9	1.746	2.652	11.2	21.4
4 11	10 38.48	+ 5 41.0	1.815	2.644	14.8	21.6

23004 1999 VH_{114} 3 5.7 150°.59 3°.3/ 2.6 18 R

2 1	11 34.28	+15 39.5	2.313	3.147	11.1	19.2
2 11	11 27.64	+16 5.9	2.244	3.154	8.2	19.0
2 21	11 19.17	+16 32.6	2.201	3.160	5.2	18.8
3 2	11 9.56	+16 54.6	2.187	3.166	3.3	18.7
3 12	10 59.70	+17 7.2	2.204	3.172	4.8	18.8
3 22	10 50.50	+17 7.4	2.250	3.177	7.8	19.0
4 1	10 42.73	+16 54.0	2.323	3.182	10.8	19.2
4 11	10 36.94	+16 27.3	2.418	3.187	13.3	19.4

450208 2002 PS_{31} 3 5.7 202°.08 1°.3/ 6.8 18

2 1	11 33.11	− 0 10.2	1.729	2.542	15.2	22.4
2 11	11 27.50	+ 0 15.1	1.642	2.539	11.6	22.1
2 21	11 19.46	+ 0 57.9	1.578	2.534	7.3	21.8
3 2	11 9.71	+ 1 54.5	1.542	2.528	2.7	21.5
3 12	10 59.36	+ 2 58.4	1.533	2.522	2.9	21.5
3 22	10 49.59	+ 4 1.8	1.554	2.515	7.6	21.8
4 1	10 41.52	+ 4 57.7	1.600	2.507	12.0	22.0
4 11	10 35.91	+ 5 40.6	1.669	2.498	15.9	22.3

170715 2004 BQ_{46} 3 5.7 47°.18 1°.2/ 4.4 18

2 1	11 25.70	+ 5 59.9	1.985	2.823	12.6	19.6
2 11	11 21.62	+ 6 56.4	1.916	2.830	9.2	19.4
2 21	11 15.72	+ 8 3.7	1.872	2.837	5.3	19.2
3 2	11 8.64	+ 9 15.7	1.855	2.844	1.6	18.9
3 12	11 1.25	+10 25.4	1.868	2.852	3.4	19.1
3 22	10 54.43	+11 26.3	1.909	2.860	7.3	19.3
4 1	10 48.98	+12 13.6	1.975	2.867	10.9	19.5
4 11	10 45.44	+12 44.6	2.064	2.875	13.9	19.8

260334 2004 TS_{218} 3 5.7 198°.03 2°.2/ 2.6 18

2 1	11 24.56	+11 19.1	2.906	3.743	9.0	21.1
2 11	11 20.33	+12 18.2	2.827	3.741	6.6	20.9
2 21	11 14.78	+13 21.9	2.775	3.739	3.9	20.7
3 2	11 8.37	+14 25.6	2.753	3.737	2.2	20.6
3 12	11 1.71	+15 24.2	2.762	3.734	3.6	20.7
3 22	10 55.38	+16 13.8	2.800	3.731	6.3	20.9
4 1	10 49.98	+16 51.2	2.865	3.728	8.8	21.0
4 11	10 45.94	+17 15.2	2.954	3.725	11.1	21.2

156420 2002 AC_{86} 3 5.7 82°.09 6°.9/26.4 18

2 1	11 26.99	+19 48.6	1.798	2.658	12.6	19.8
2 11	11 22.91	+22 6.9	1.744	2.663	9.6	19.7
2 21	11 16.65	+24 25.7	1.717	2.667	7.3	19.5
3 2	11 8.92	+26 32.7	1.718	2.672	7.2	19.5
3 12	11 0.78	+28 17.4	1.747	2.676	9.3	19.7
3 22	10 53.29	+29 33.0	1.802	2.681	12.2	19.9
4 1	10 47.42	+30 17.4	1.878	2.686	15.1	20.0
4 11	10 43.83	+30 32.4	1.973	2.690	17.5	20.2

227531 2005 YS_{73} 3 5.7 159°.78 0°.1/ 5.9 18

2 1	11 29.58	+ 3 11.9	2.156	2.975	12.4	21.3
2 11	11 24.37	+ 3 38.4	2.078	2.980	9.2	21.1
2 21	11 17.33	+ 4 16.1	2.024	2.983	5.6	20.9
3 2	11 9.09	+ 5 0.9	1.998	2.987	1.6	20.6
3 12	11 0.51	+ 5 47.7	2.002	2.990	2.5	20.7
3 22	10 52.47	+ 6 31.2	2.036	2.993	6.4	20.9
4 1	10 45.75	+ 7 6.8	2.096	2.995	10.0	21.1
4 11	10 40.94	+ 7 31.3	2.180	2.998	13.0	21.3

182408 2001 RS_{53} 3 5.7 138°.08 1°.2/ 4.5 18

2 1	11 30.68	+ 6 50.2	2.060	2.890	12.5	21.3
2 11	11 25.19	+ 7 31.8	1.991	2.900	9.1	21.1
2 21	11 17.81	+ 8 22.2	1.946	2.910	5.3	20.9
3 2	11 9.22	+ 9 16.3	1.931	2.919	1.6	20.7
3 12	11 0.34	+10 7.8	1.944	2.928	3.3	20.8
3 22	10 52.07	+10 51.2	1.987	2.937	7.2	21.1
4 1	10 45.25	+11 22.5	2.057	2.945	10.7	21.3
4 11	10 40.44	+11 39.7	2.149	2.952	13.7	21.5

151161 2001 XL_{130} 3 5.7 99°.15 1°.3/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.65	+ 6 31.4	1.863	2.699	13.4	20.7
2 11	11 24.58	+ 7 17.1	1.799	2.711	9.8	20.5
2 21	11 17.50	+ 8 12.8	1.759	2.723	5.7	20.3
3 2	11 9.14	+ 9 12.6	1.747	2.736	1.7	20.0
3 12	11 0.49	+10 9.6	1.763	2.748	3.5	20.2
3 22	10 52.54	+10 57.6	1.808	2.759	7.6	20.4
4 1	10 46.14	+11 32.1	1.879	2.771	11.3	20.7
4 11	10 41.89	+11 50.9	1.972	2.782	14.5	20.9

165660 2001 LE_{18} 3 5.7 177°.21 3°.3/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.70	− 8 11.4	2.656	3.421	11.8	20.5
2 11	11 22.01	− 8 3.3	2.565	3.422	9.4	20.3
2 21	11 15.84	− 7 39.5	2.497	3.423	6.8	20.2
3 2	11 8.68	− 7 1.3	2.457	3.424	4.2	20.0
3 12	11 1.21	− 6 11.8	2.446	3.425	3.4	19.9
3 22	10 54.11	− 5 15.3	2.465	3.425	5.3	20.1
4 1	10 48.03	− 4 17.0	2.512	3.424	8.0	20.2
4 11	10 43.48	− 3 21.8	2.585	3.423	10.6	20.4

353482 2011 SD_{45} 3 5.7 297°.29 1°.8/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.22	+ 0 12.3	1.334	2.170	17.6	21.1
2 11	11 26.05	+ 0 17.5	1.247	2.155	13.6	20.8
2 21	11 18.96	+ 0 42.6	1.181	2.140	8.7	20.5
3 2	11 9.67	+ 1 24.9	1.139	2.126	3.4	20.2
3 12	10 59.48	+ 2 17.4	1.122	2.112	3.5	20.1
3 22	10 49.90	+ 3 11.7	1.131	2.097	9.0	20.4
4 1	10 42.33	+ 3 58.8	1.163	2.084	14.3	20.6
4 11	10 37.77	+ 4 32.1	1.215	2.070	18.9	20.9

502404 2015 BW_{252} 3 5.7 70°.09 2°.9/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.02	− 4 15.5	1.959	2.759	14.2	21.2
2 11	11 23.40	− 4 10.6	1.881	2.763	11.1	21.0
2 21	11 16.84	− 3 48.3	1.824	2.769	7.5	20.8
3 2	11 8.98	− 3 10.7	1.795	2.774	4.0	20.6
3 12	11 0.75	− 2 22.4	1.793	2.779	3.2	20.5
3 22	10 53.07	− 1 29.2	1.820	2.784	6.4	20.7
4 1	10 46.81	− 0 37.4	1.873	2.789	10.0	20.9
4 11	10 42.56	+ 0 7.4	1.950	2.794	13.3	21.2

31024 1996 FT_{11} 3 5.7 214°.14 1°.3/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.49	+ 6 13.5	1.571	2.412	15.2	19.0
2 11	11 26.45	+ 6 55.9	1.495	2.409	11.2	18.8
2 21	11 18.89	+ 7 51.4	1.441	2.406	6.6	18.5
3 2	11 9.59	+ 8 53.6	1.414	2.403	1.9	18.2
3 12	10 59.72	+ 9 53.9	1.414	2.399	4.0	18.3
3 22	10 50.55	+10 44.7	1.442	2.395	8.9	18.6
4 1	10 43.22	+11 20.1	1.494	2.391	13.4	18.8
4 11	10 38.49	+11 37.3	1.566	2.387	17.1	19.1

269971 2000 TQ_{3} 3 5.7 169°.11 0°.5/ 6.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.09	+ 1 34.9	2.434	3.243	11.5	22.4
2 11	11 23.83	+ 2 6.6	2.352	3.247	8.6	22.2
2 21	11 16.95	+ 2 49.6	2.295	3.251	5.3	22.0
3 2	11 9.00	+ 3 40.5	2.267	3.255	1.7	21.8
3 12	11 0.74	+ 4 34.4	2.269	3.257	2.2	21.8
3 22	10 52.93	+ 5 26.2	2.302	3.259	5.8	22.0
4 1	10 46.29	+ 6 11.5	2.362	3.261	9.0	22.2
4 11	10 41.35	+ 6 46.8	2.447	3.262	11.9	22.4

126698 2002 CJ_{232} 3 5.7 2°.26 3°.4/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.81	− 1 22.4	1.473	2.296	16.9	18.4
2 11	11 26.06	− 2 0.9	1.398	2.295	13.2	18.2
2 21	11 18.71	− 2 23.2	1.343	2.295	8.8	17.9
3 2	11 9.55	− 2 30.0	1.314	2.295	4.6	17.7
3 12	10 59.80	− 2 24.6	1.310	2.296	4.0	17.7
3 22	10 50.79	− 2 12.0	1.333	2.299	8.0	17.9
4 1	10 43.70	− 1 58.0	1.380	2.302	12.4	18.1
4 11	10 39.29	− 1 48.3	1.448	2.306	16.3	18.4

323421 2004 EF_{77} 3 5.7 55°.79 0°.0/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.24	+ 0 31.0	1.611	2.443	15.3	20.6
2 11	11 22.44	+ 1 40.0	1.539	2.447	11.4	20.4
2 21	11 16.41	+ 3 9.0	1.490	2.452	6.9	20.1
3 2	11 8.89	+ 4 51.4	1.467	2.456	1.9	19.8
3 12	11 0.94	+ 6 37.2	1.473	2.461	3.1	19.9
3 22	10 53.66	+ 8 16.3	1.506	2.466	8.0	20.2
4 1	10 48.02	+ 9 40.3	1.565	2.471	12.3	20.5
4 11	10 44.70	+10 43.9	1.645	2.476	16.0	20.7

422009 2014 QP_{328} 3 5.7 155°.83 1°.7/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.07	+ 8 28.4	2.086	2.916	12.3	21.7
2 11	11 26.22	+ 9 12.8	2.014	2.925	9.0	21.5
2 21	11 18.45	+10 4.8	1.968	2.932	5.3	21.2
3 2	11 9.42	+10 58.8	1.951	2.939	1.9	21.0
3 12	11 0.08	+11 48.6	1.964	2.945	3.7	21.2
3 22	10 51.35	+12 28.8	2.006	2.951	7.5	21.4
4 1	10 44.09	+12 55.8	2.075	2.956	10.9	21.6
4 11	10 38.87	+13 8.0	2.166	2.960	13.9	21.8

374472 2005 YB_{16} 3 5.7 125°.21 2°.6/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.41	− 3 21.4	2.029	2.827	13.8	21.6
2 11	11 24.36	− 3 17.8	1.949	2.833	10.7	21.4
2 21	11 17.39	− 2 58.3	1.893	2.839	7.2	21.2
3 2	11 9.15	− 2 24.8	1.864	2.844	3.7	21.0
3 12	11 0.53	− 1 41.9	1.863	2.850	3.0	20.9
3 22	10 52.47	− 0 54.8	1.892	2.855	6.3	21.1
4 1	10 45.80	− 0 9.4	1.947	2.860	9.9	21.4
4 11	10 41.14	+ 0 29.2	2.025	2.865	13.1	21.6

504346 2007 TB_{259} 3 5.7 112°.43 2°.9/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.10	− 6 55.5	2.418	3.196	12.5	21.8
2 11	11 21.64	− 6 31.5	2.340	3.208	9.8	21.6
2 21	11 15.63	− 5 50.8	2.285	3.220	6.8	21.4
3 2	11 8.64	− 4 55.4	2.257	3.231	3.9	21.3
3 12	11 1.39	− 3 49.9	2.259	3.243	3.0	21.2
3 22	10 54.61	− 2 39.7	2.291	3.254	5.4	21.4
4 1	10 48.96	− 1 30.7	2.351	3.264	8.4	21.6
4 11	10 44.94	− 0 28.0	2.436	3.275	11.1	21.8

108691 2001 OY_{10} 3 5.7 160°.48 1°.3/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.25	+ 0 48.4	2.226	3.028	12.6	20.2
2 11	11 27.01	+ 0 50.0	2.144	3.035	9.6	20.0
2 21	11 18.90	+ 1 2.9	2.088	3.041	6.0	19.8
3 2	11 9.55	+ 1 24.7	2.060	3.046	2.4	19.6
3 12	10 59.86	+ 1 51.4	2.063	3.051	2.4	19.6
3 22	10 50.72	+ 2 18.8	2.095	3.055	6.1	19.8
4 1	10 42.94	+ 2 42.6	2.156	3.058	9.6	20.0
4 11	10 37.13	+ 2 59.4	2.241	3.061	12.6	20.2

268841 2006 WN_{127} 3 5.7 45°.42 10°.6/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 48.22	−13 29.2	1.527	2.264	20.3	19.4
2 11	11 39.06	−16 3.5	1.461	2.283	17.2	19.2
2 21	11 26.57	−18 16.1	1.417	2.303	14.0	19.1
3 2	11 11.74	−19 58.5	1.399	2.323	11.4	19.0
3 12	10 56.16	−21 5.8	1.408	2.343	10.6	19.0
3 22	10 41.57	−21 39.2	1.445	2.364	11.9	19.1
4 1	10 29.49	−21 45.4	1.507	2.386	14.4	19.3
4 11	10 20.85	−21 34.8	1.590	2.407	17.1	19.5

187866 2000 OV_{59} 3 5.7 191°.14 1°.1/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.19	− 0 20.2	2.434	3.235	11.7	21.4
2 11	11 23.96	+ 0 4.9	2.344	3.234	8.9	21.2
2 21	11 17.07	+ 0 42.6	2.279	3.232	5.6	21.0
3 2	11 9.06	+ 1 30.1	2.243	3.229	2.2	20.7
3 12	11 0.68	+ 2 22.7	2.237	3.225	2.2	20.7
3 22	10 52.71	+ 3 15.5	2.261	3.221	5.7	21.0
4 1	10 45.89	+ 4 3.6	2.314	3.217	9.0	21.2
4 11	10 40.77	+ 4 43.1	2.391	3.211	11.9	21.3

32067 Ranganathan 3 5.7 268°.76 5°.5/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.56	+15 17.2	1.451	2.311	15.1	18.5
2 11	11 26.80	+16 33.8	1.379	2.302	11.2	18.2
2 21	11 19.24	+17 56.2	1.331	2.294	7.3	18.0
3 2	11 9.72	+19 13.6	1.308	2.285	5.5	17.8
3 12	10 59.55	+20 15.0	1.312	2.276	7.9	17.9
3 22	10 50.15	+20 52.8	1.340	2.267	12.0	18.1
4 1	10 42.80	+21 3.6	1.391	2.258	16.1	18.4
4 11	10 38.32	+20 48.3	1.461	2.249	19.6	18.6

463879 2014 UE_{51} 3 5.7 65°.38 0°.3/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.95	+ 2 28.0	1.696	2.526	14.7	21.4
2 11	11 24.33	+ 2 58.0	1.624	2.531	11.0	21.2
2 21	11 17.49	+ 3 42.8	1.575	2.536	6.6	20.9
3 2	11 9.19	+ 4 37.5	1.552	2.541	1.9	20.6
3 12	11 0.49	+ 5 35.2	1.558	2.546	2.9	20.7
3 22	10 52.46	+ 6 28.8	1.590	2.551	7.5	21.0
4 1	10 46.08	+ 7 12.2	1.649	2.556	11.7	21.2
4 11	10 42.00	+ 7 41.5	1.729	2.562	15.2	21.5

54207 2000 HY_{83} 3 5.7 251°.33 7°.6/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.61	+23 57.0	1.897	2.749	12.4	18.4
2 11	11 25.67	+25 40.1	1.827	2.737	9.8	18.2
2 21	11 18.39	+27 20.6	1.783	2.724	7.9	18.1
3 2	11 9.47	+28 48.0	1.766	2.710	7.9	18.1
3 12	10 59.98	+29 53.0	1.776	2.697	9.8	18.1
3 22	10 51.10	+30 30.3	1.811	2.683	12.6	18.3
4 1	10 43.87	+30 38.4	1.868	2.668	15.4	18.4
4 11	10 39.03	+30 19.6	1.942	2.654	17.9	18.6

287174 2002 RC_{259} 3 5.7 39°.01 0°.3/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.06	+ 3 35.9	1.766	2.598	14.2	20.0
2 11	11 24.23	+ 3 47.1	1.702	2.610	10.5	19.8
2 21	11 17.34	+ 4 10.3	1.662	2.623	6.3	19.6
3 2	11 9.13	+ 4 41.1	1.648	2.637	1.9	19.3
3 12	11 0.64	+ 5 14.1	1.662	2.650	2.8	19.4
3 22	10 52.87	+ 5 43.9	1.704	2.665	7.1	19.7
4 1	10 46.72	+ 6 5.7	1.771	2.679	11.0	20.0
4 11	10 42.75	+ 6 16.6	1.861	2.694	14.3	20.2

65084 2002 BJ_{16} 3 5.7 38.°02 1.°6/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.11	− 0 51.2	1.782	2.601	14.6	19.6
2 11	11 23.64	− 0 34.7	1.706	2.603	11.2	19.3
2 21	11 17.07	− 0 1.6	1.652	2.607	7.1	19.1
3 2	11 9.09	+ 0 44.8	1.624	2.610	2.9	18.8
3 12	11 0.68	+ 1 38.5	1.625	2.613	2.8	18.8
3 22	10 52.89	+ 2 33.0	1.653	2.617	6.9	19.1
4 1	10 46.64	+ 3 21.8	1.707	2.621	11.0	19.3
4 11	10 42.58	+ 3 59.9	1.783	2.624	14.5	19.6

423471 2005 ST_{214} 3 5.7 85.°05 2.°2/ 7.6 18

2 1	11 34.63	− 1 17.2	1.907	2.708	14.5	21.2
2 11	11 28.07	− 1 25.8	1.848	2.735	11.0	21.0
2 21	11 19.51	− 1 20.0	1.812	2.761	7.2	20.8
3 2	11 9.72	− 1 2.3	1.804	2.787	3.3	20.6
3 12	10 59.73	− 0 36.9	1.826	2.813	2.9	20.7
3 22	10 50.57	− 0 8.8	1.876	2.838	6.5	20.9
4 1	10 43.09	+ 0 17.1	1.954	2.862	10.1	21.2
4 11	10 37.82	+ 0 36.7	2.055	2.887	13.2	21.4

425220 2009 VS_{66} 3 5.7 141.°46 2.°2/ 3.6 17

2 1	11 30.48	+10 18.6	2.151	2.987	11.8	22.0
2 11	11 25.01	+11 0.5	2.081	2.994	8.6	21.8
2 21	11 17.72	+11 48.1	2.038	3.002	5.1	21.6
3 2	11 9.24	+12 36.0	2.023	3.009	2.2	21.4
3 12	11 0.48	+13 18.2	2.037	3.016	4.0	21.5
3 22	10 52.32	+13 50.1	2.080	3.022	7.5	21.7
4 1	10 45.55	+14 8.6	2.150	3.028	10.7	21.9
4 11	10 40.73	+14 12.6	2.243	3.033	13.6	22.1

378759 2008 RS_{117} 3 5.7 67.°92 4.°7/11.0 18

2 1	11 25.67	−11 39.4	1.961	2.728	15.4	20.9
2 11	11 21.67	−11 16.5	1.885	2.740	12.5	20.7
2 21	11 15.81	−10 29.3	1.831	2.752	9.2	20.5
3 2	11 8.73	− 9 19.6	1.801	2.764	6.0	20.4
3 12	11 1.34	− 7 52.6	1.800	2.776	4.7	20.3
3 22	10 54.52	− 6 16.0	1.826	2.789	6.6	20.4
4 1	10 49.09	− 4 38.4	1.880	2.801	9.7	20.6
4 11	10 45.63	− 3 7.7	1.959	2.814	12.8	20.9

212882 2007 VT_{238} 3 5.7 236.°83 0.°6/ 5.1 17

2 1	11 26.96	+ 5 23.2	2.296	3.124	11.5	21.1
2 11	11 22.41	+ 5 55.7	2.214	3.122	8.4	20.9
2 21	11 16.18	+ 6 37.4	2.157	3.120	5.0	20.7
3 2	11 8.85	+ 7 24.2	2.128	3.118	1.3	20.4
3 12	11 1.17	+ 8 10.9	2.129	3.116	2.7	20.5
3 22	10 53.94	+ 8 52.6	2.160	3.114	6.4	20.7
4 1	10 47.91	+ 9 25.3	2.217	3.111	9.7	20.9
4 11	10 43.60	+ 9 46.3	2.297	3.109	12.6	21.1

253215 2002 XO_{112} 3 5.7 80.°88 1.°3/ 4.7 18

2 1	11 32.49	+ 7 5.0	1.683	2.520	14.5	20.5
2 11	11 26.78	+ 7 37.1	1.627	2.540	10.6	20.2
2 21	11 18.86	+ 8 18.7	1.594	2.559	6.2	20.0
3 2	11 9.57	+ 9 3.7	1.589	2.578	1.8	19.8
3 12	11 0.05	+ 9 45.4	1.612	2.597	3.7	20.0
3 22	10 51.42	+10 18.0	1.663	2.616	8.0	20.3
4 1	10 44.58	+10 37.5	1.739	2.634	11.9	20.5
4 11	10 40.14	+10 42.3	1.837	2.653	15.2	20.8

171548 1999 RS_{161} 3 5.7 121.°24 0.°0/ 5.5 18

2 1	11 32.63	+ 3 19.0	1.877	2.698	13.9	20.9
2 11	11 26.75	+ 3 51.0	1.812	2.715	10.3	20.7
2 21	11 18.81	+ 4 35.3	1.771	2.731	6.1	20.5
3 2	11 9.57	+ 5 27.0	1.757	2.746	1.7	20.2
3 12	11 0.04	+ 6 19.7	1.774	2.761	2.8	20.3
3 22	10 51.26	+ 7 7.4	1.819	2.776	7.1	20.6
4 1	10 44.10	+ 7 45.0	1.891	2.790	10.9	20.9
4 11	10 39.15	+ 8 9.6	1.985	2.803	14.1	21.1

100350 1995 SP_{82} 3 5.7 287.°26 0.°0/ 5.7 18

2 1	11 26.36	+ 3 21.0	2.246	3.070	11.8	20.5
2 11	11 22.07	+ 3 49.4	2.155	3.059	8.8	20.3
2 21	11 16.05	+ 4 29.0	2.088	3.048	5.3	20.1
3 2	11 8.84	+ 5 16.0	2.049	3.038	1.5	19.8
3 12	11 1.20	+ 6 5.5	2.039	3.027	2.5	19.8
3 22	10 53.97	+ 6 52.1	2.058	3.016	6.3	20.1
4 1	10 47.90	+ 7 31.2	2.104	3.006	9.8	20.2
4 11	10 43.60	+ 7 59.2	2.174	2.995	12.9	20.4

242640 2005 ND 3 5.7 237.°81 0.°7/ 4.9 17

2 1	11 26.87	+ 5 59.0	2.729	3.551	10.0	22.0
2 11	11 22.17	+ 6 33.1	2.633	3.538	7.4	21.8
2 21	11 15.99	+ 7 14.9	2.564	3.526	4.3	21.6
3 2	11 8.81	+ 8 1.0	2.524	3.513	1.2	21.3
3 12	11 1.27	+ 8 46.9	2.514	3.499	2.5	21.4
3 22	10 54.05	+ 9 28.4	2.535	3.485	5.7	21.6
4 1	10 47.80	+10 1.9	2.583	3.471	8.8	21.8
4 11	10 43.03	+10 24.8	2.656	3.457	11.4	21.9

100404 1996 AC_1 3 5.7 68.°59 16.°1/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 40.63	−20 58.1	1.084	1.829	26.5	18.8
2 11	11 34.60	−23 37.7	1.026	1.840	23.4	18.6
2 21	11 24.50	−25 41.7	0.983	1.851	20.3	18.4
3 2	11 11.33	−26 57.7	0.958	1.862	17.5	18.3
3 12	10 56.99	−27 19.6	0.953	1.873	16.2	18.2
3 22	10 43.74	−26 50.6	0.968	1.884	16.6	18.3
4 1	10 33.55	−25 43.3	1.002	1.896	18.7	18.4
4 11	10 27.61	−24 15.7	1.053	1.907	21.3	18.7

186053 2001 ST_{52} 3 5.7 199.°12 0.°9/ 4.8 16

2 1	11 29.86	+ 5 52.9	2.259	3.083	11.7	21.8
2 11	11 24.60	+ 6 35.4	2.173	3.080	8.6	21.6
2 21	11 17.53	+ 7 27.6	2.113	3.076	5.1	21.4
3 2	11 9.25	+ 8 24.8	2.082	3.071	1.4	21.1
3 12	11 0.56	+ 9 21.1	2.081	3.066	3.0	21.2
3 22	10 52.33	+10 11.0	2.109	3.060	6.8	21.5
4 1	10 45.36	+10 50.3	2.165	3.053	10.2	21.7
4 11	10 40.24	+11 16.2	2.245	3.046	13.2	21.8

92392 2000 JL_9 3 5.7 234.°36 3.°8/ 8.9 18

2 1	11 30.66	− 6 39.2	1.776	2.566	15.8	20.7
2 11	11 25.78	− 6 29.5	1.679	2.555	12.6	20.4
2 21	11 18.54	− 5 57.5	1.604	2.542	8.8	20.2
3 2	11 9.59	− 5 4.5	1.554	2.530	5.1	19.9
3 12	10 59.94	− 3 55.0	1.532	2.516	4.0	19.8
3 22	10 50.74	− 2 36.5	1.538	2.502	7.4	20.0
4 1	10 43.08	− 1 17.7	1.571	2.488	11.5	20.2
4 11	10 37.79	− 0 6.7	1.627	2.473	15.4	20.4

33415 Felixwang 3 5.7 281.°42 4.°0/ 2.7 18

2 1	11 32.09	+12 35.0	1.450	2.306	15.3	18.9
2 11	11 27.17	+13 28.3	1.376	2.299	11.3	18.6
2 21	11 19.48	+14 29.1	1.325	2.291	7.0	18.3
3 2	11 9.85	+15 28.4	1.300	2.284	4.0	18.1
3 12	10 59.58	+16 16.7	1.301	2.276	6.4	18.2
3 22	10 50.08	+16 46.6	1.328	2.269	10.9	18.5
4 1	10 42.62	+16 54.3	1.378	2.261	15.2	18.7
4 11	10 38.01	+16 39.7	1.447	2.254	19.0	18.9

133716 Tomtourville 3 5.7 83.°05 0.°1/ 5.9 18

2 1	11 27.48	+ 2 48.6	2.013	2.838	12.9	19.9
2 11	11 22.96	+ 3 22.9	1.938	2.843	9.6	19.7
2 21	11 16.58	+ 4 9.7	1.888	2.848	5.8	19.5
3 2	11 8.99	+ 5 4.6	1.865	2.853	1.6	19.2
3 12	11 1.05	+ 6 1.5	1.871	2.859	2.6	19.3
3 22	10 53.68	+ 6 54.5	1.905	2.864	6.7	19.6
4 1	10 47.67	+ 7 38.4	1.966	2.869	10.3	19.8
4 11	10 43.61	+ 8 9.7	2.050	2.874	13.5	20.0

90114 2002 XU_{52} 3 5.7 75.°33 1.°6/ 7.1 18

2 1	11 29.32	− 0 42.4	1.699	2.519	15.2	19.6
2 11	11 24.63	− 0 24.7	1.626	2.524	11.6	19.4
2 21	11 17.71	+ 0 10.3	1.575	2.530	7.3	19.1
3 2	11 9.32	+ 0 58.7	1.550	2.536	3.0	18.9
3 12	11 0.51	+ 1 54.5	1.553	2.542	2.8	18.9
3 22	10 52.37	+ 2 50.5	1.584	2.548	7.2	19.2
4 1	10 45.88	+ 3 40.1	1.640	2.554	11.3	19.4
4 11	10 41.70	+ 4 18.1	1.718	2.560	14.9	19.6

85480 1997 NB_8 3 5.7 180.°60 1.°3/ 6.9 18

2 1	11 32.57	− 0 17.7	1.927	2.734	14.1	20.5
2 11	11 26.86	+ 0 6.8	1.843	2.736	10.7	20.3
2 21	11 19.00	+ 0 46.9	1.783	2.737	6.8	20.1
3 2	11 9.68	+ 1 39.1	1.751	2.738	2.6	19.8
3 12	10 59.89	+ 2 37.5	1.749	2.737	2.7	19.8
3 22	10 50.68	+ 3 35.6	1.775	2.736	6.9	20.0
4 1	10 43.00	+ 4 27.3	1.828	2.733	10.9	20.3
4 11	10 37.51	+ 5 7.7	1.905	2.730	14.3	20.5

222539 2001 UE_{171} 3 5.7 34.°62 7.°6/13.2 18

2 1	11 26.80	−16 20.0	1.707	2.456	18.0	19.6
2 11	11 22.91	−16 39.4	1.628	2.460	15.2	19.5
2 21	11 16.76	−16 29.8	1.567	2.465	12.1	19.3
3 2	11 9.08	−15 50.1	1.529	2.470	9.2	19.1
3 12	11 0.89	−14 43.1	1.516	2.476	7.6	19.0
3 22	10 53.31	−13 15.8	1.529	2.481	8.6	19.1
4 1	10 47.36	−11 37.8	1.567	2.487	11.3	19.3
4 11	10 43.74	− 9 59.9	1.628	2.493	14.4	19.5

425335 2010 AC_{87} 3 5.7 282.°88 2.°9/ 2.4 17

2 1	11 26.48	+11 25.2	2.186	3.031	11.3	20.8
2 11	11 22.31	+12 31.7	2.093	3.011	8.3	20.6
2 21	11 16.29	+13 45.9	2.026	2.990	5.0	20.3
3 2	11 8.95	+15 1.4	1.986	2.970	2.9	20.2
3 12	11 1.10	+16 10.9	1.977	2.949	4.9	20.2
3 22	10 53.61	+17 8.2	1.995	2.928	8.3	20.4
4 1	10 47.32	+17 48.9	2.039	2.907	11.7	20.6
4 11	10 42.90	+18 11.0	2.105	2.886	14.6	20.7

248484 2005 UU_{237} 3 5.7 122°.56 4°.1/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.94	+19 16.3	2.738	3.582	9.3	20.7
2 11	11 22.14	+20 14.3	2.677	3.590	7.0	20.5
2 21	11 15.91	+21 11.2	2.643	3.597	4.9	20.4
3 2	11 8.79	+22 1.6	2.638	3.604	4.2	20.4
3 12	11 1.45	+22 40.7	2.663	3.611	5.5	20.5
3 22	10 54.58	+23 5.4	2.716	3.617	7.8	20.6
4 1	10 48.79	+23 14.3	2.794	3.624	10.0	20.8
4 11	10 44.55	+23 7.6	2.894	3.630	12.0	20.9

24756 1992 VF 3 5.7 130°.27 1°.0/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.06	− 0 15.0	1.676	2.491	15.6	19.1
2 11	11 27.33	+ 0 21.8	1.609	2.506	11.7	18.8
2 21	11 19.29	+ 1 16.3	1.564	2.521	7.3	18.6
3 2	11 9.75	+ 2 23.6	1.547	2.534	2.5	18.3
3 12	10 59.86	+ 3 36.1	1.558	2.547	2.8	18.4
3 22	10 50.76	+ 4 45.6	1.598	2.559	7.5	18.7
4 1	10 43.46	+ 5 45.3	1.664	2.571	11.7	19.0
4 11	10 38.60	+ 6 30.3	1.753	2.581	15.2	19.2

87673 2000 RZ_{100} 3 5.7 216°.56 5°.2/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.52	− 9 54.3	2.147	2.906	14.4	19.9
2 11	11 26.03	−10 25.6	2.052	2.901	11.8	19.7
2 21	11 18.51	−10 39.0	1.980	2.896	8.9	19.5
3 2	11 9.57	−10 33.7	1.933	2.891	6.2	19.3
3 12	11 0.08	−10 11.4	1.915	2.885	5.2	19.2
3 22	10 51.02	− 9 36.2	1.925	2.879	7.0	19.3
4 1	10 43.28	− 8 53.7	1.962	2.873	10.0	19.5
4 11	10 37.56	− 8 10.1	2.024	2.866	12.9	19.7

484719 2008 WJ_{72} 3 5.7 92°.81 17°.3/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.40	−30 59.7	1.224	1.902	27.1	21.3
2 11	11 28.99	−32 45.5	1.163	1.914	24.8	21.1
2 21	11 21.00	−33 46.8	1.113	1.925	22.2	20.9
3 2	11 10.36	−33 53.3	1.078	1.936	19.8	20.8
3 12	10 58.78	−33 1.0	1.060	1.947	17.9	20.7
3 22	10 48.19	−31 14.8	1.061	1.958	17.3	20.7
4 1	10 40.33	−28 48.6	1.081	1.969	18.1	20.8
4 11	10 36.22	−26 2.1	1.120	1.979	20.0	20.9

252434 2001 TQ_{152} 3 5.7 122°.15 2°.0/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.79	+ 9 11.0	2.245	3.076	11.6	21.6
2 11	11 25.12	+10 8.6	2.185	3.096	8.4	21.4
2 21	11 17.74	+11 12.5	2.151	3.115	4.9	21.2
3 2	11 9.31	+12 17.0	2.147	3.134	2.1	21.1
3 12	11 0.67	+13 15.7	2.173	3.151	3.8	21.2
3 22	10 52.66	+14 3.7	2.229	3.168	7.1	21.5
4 1	10 46.00	+14 37.6	2.311	3.185	10.3	21.7
4 11	10 41.21	+14 56.3	2.416	3.200	12.9	21.9

495127 2011 WB_{80} 3 5.7 184°.28 4°.1/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.34	+14 21.1	1.866	2.710	13.0	22.6
2 11	11 27.51	+15 25.7	1.795	2.711	9.6	22.4
2 21	11 19.42	+16 34.6	1.749	2.711	6.1	22.2
3 2	11 9.82	+17 39.6	1.731	2.710	4.1	22.0
3 12	10 59.79	+18 32.8	1.742	2.709	6.1	22.1
3 22	10 50.44	+19 8.5	1.781	2.707	9.6	22.3
4 1	10 42.77	+19 23.9	1.845	2.704	13.1	22.6
4 11	10 37.43	+19 19.1	1.929	2.701	16.1	22.8

235322 2003 UM_{178} 3 5.7 134°.20 0°.0/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.87	+ 3 32.2	2.464	3.279	11.2	21.0
2 11	11 23.64	+ 4 1.5	2.390	3.291	8.3	20.9
2 21	11 16.85	+ 4 40.3	2.343	3.302	4.9	20.7
3 2	11 9.08	+ 5 24.7	2.324	3.313	1.4	20.4
3 12	11 1.06	+ 6 10.3	2.336	3.323	2.3	20.5
3 22	10 53.53	+ 6 52.4	2.377	3.333	5.7	20.8
4 1	10 47.18	+ 7 27.1	2.447	3.343	8.9	21.0
4 11	10 42.48	+ 7 51.9	2.541	3.352	11.6	21.2

79497 1998 FY_{123} 3 5.7 1°.88 4°.9/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.91	+17 37.6	1.819	2.676	12.7	18.7
2 11	11 24.25	+18 25.0	1.755	2.675	9.5	18.5
2 21	11 17.46	+19 12.6	1.714	2.674	6.3	18.3
3 2	11 9.27	+19 53.0	1.701	2.675	4.9	18.2
3 12	11 0.74	+20 19.3	1.714	2.676	6.7	18.3
3 22	10 52.92	+20 27.4	1.754	2.677	9.9	18.5
4 1	10 46.72	+20 15.7	1.818	2.679	13.2	18.7
4 11	10 42.77	+19 45.3	1.901	2.682	16.0	18.9

288635 2004 PO_{25} 3 5.8 286°.05 2°.5/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.23	− 0 13.3	1.426	2.251	17.3	20.4
2 11	11 28.32	− 0 29.8	1.330	2.231	13.4	20.1
2 21	11 20.42	− 0 29.2	1.255	2.210	8.8	19.8
3 2	11 10.23	− 0 12.9	1.205	2.190	3.9	19.5
3 12	10 59.00	+ 0 14.7	1.181	2.169	3.7	19.4
3 22	10 48.22	+ 0 46.9	1.183	2.148	8.9	19.6
4 1	10 39.38	+ 1 16.7	1.209	2.127	14.1	19.9
4 11	10 33.52	+ 1 37.4	1.255	2.107	18.7	20.1

139634 2001 QQ_{157} 3 5.8 209°.46 1°.4/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.38	− 0 33.6	2.672	3.470	10.9	21.0
2 11	11 23.29	− 0 24.3	2.578	3.464	8.3	20.8
2 21	11 16.69	− 0 4.1	2.509	3.459	5.3	20.6
3 2	11 9.06	+ 0 24.9	2.469	3.453	2.3	20.4
3 12	11 1.09	+ 0 59.3	2.459	3.446	2.1	20.4
3 22	10 53.46	+ 1 35.2	2.479	3.439	5.2	20.6
4 1	10 46.85	+ 2 8.5	2.527	3.432	8.3	20.8
4 11	10 41.78	+ 2 35.9	2.601	3.425	11.0	20.9

165166 2000 QV_{102} 3 5.8 218°.34 3°.2/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.70	+12 17.4	1.953	2.791	12.7	20.8
2 11	11 27.79	+13 10.3	1.868	2.782	9.4	20.6
2 21	11 19.64	+14 9.2	1.809	2.772	5.7	20.4
3 2	11 9.92	+15 7.2	1.778	2.761	3.2	20.2
3 12	10 59.65	+15 57.1	1.777	2.750	5.2	20.3
3 22	10 49.94	+16 32.8	1.803	2.737	9.0	20.5
4 1	10 41.77	+16 50.9	1.856	2.724	12.6	20.7
4 11	10 35.89	+16 50.7	1.930	2.710	15.8	20.9

17653 Bochner 3 5.8 172°.61 5°.3/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.60	+21 14.9	2.397	3.238	10.6	19.3
2 11	11 25.81	+22 24.8	2.334	3.242	8.0	19.2
2 21	11 18.22	+23 32.4	2.297	3.245	5.9	19.0
3 2	11 9.48	+24 30.8	2.289	3.247	5.4	19.0
3 12	11 0.45	+25 13.9	2.310	3.249	6.9	19.1
3 22	10 51.99	+25 38.3	2.360	3.250	9.3	19.2
4 1	10 44.87	+25 42.8	2.434	3.250	11.8	19.4
4 11	10 39.66	+25 28.6	2.528	3.250	13.9	19.6

503018 2015 FL_{115} 3 5.8 41°.81 1°.1/ 7.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.86	− 1 8.2	2.178	2.990	12.6	21.0
2 11	11 20.96	− 0 26.9	2.098	2.993	9.5	20.8
2 21	11 15.39	+ 0 29.7	2.042	2.996	6.0	20.6
3 2	11 8.71	+ 1 37.7	2.013	3.000	2.3	20.4
3 12	11 1.71	+ 2 51.3	2.014	3.003	2.3	20.4
3 22	10 55.18	+ 4 4.1	2.044	3.007	6.0	20.6
4 1	10 49.84	+ 5 10.1	2.101	3.010	9.5	20.8
4 11	10 46.25	+ 6 4.7	2.182	3.014	12.5	21.0

171857 2001 OF_{12} 3 5.8 165°.21 3°.9/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.93	+17 44.5	2.584	3.425	9.9	20.5
2 11	11 23.70	+18 38.0	2.516	3.428	7.3	20.3
2 21	11 16.91	+19 31.4	2.475	3.431	4.9	20.2
3 2	11 9.12	+20 19.2	2.463	3.434	3.9	20.1
3 12	11 1.07	+20 56.4	2.481	3.436	5.4	20.2
3 22	10 53.51	+21 19.4	2.528	3.439	7.9	20.4
4 1	10 47.12	+21 26.7	2.600	3.440	10.4	20.5
4 11	10 42.40	+21 18.4	2.694	3.442	12.6	20.7

56539 2000 HT_{58} 3 5.8 239°.86 1°.3/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 34.34	+ 7 21.0	1.729	2.562	14.3	19.9
2 11	11 28.57	+ 7 49.0	1.638	2.549	10.7	19.7
2 21	11 20.26	+ 8 27.4	1.571	2.535	6.3	19.4
3 2	11 10.13	+ 9 10.8	1.532	2.521	1.9	19.1
3 12	10 59.30	+ 9 52.3	1.521	2.505	3.9	19.2
3 22	10 49.01	+10 25.4	1.538	2.490	8.6	19.4
4 1	10 40.43	+10 45.2	1.580	2.473	13.0	19.6
4 11	10 34.38	+10 49.4	1.644	2.456	16.8	19.8

154490 2003 EQ_{60} 3 5.8 316°.35 4°.8/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.20	+16 32.5	1.599	2.454	14.2	19.3
2 11	11 27.83	+17 6.1	1.522	2.442	10.6	19.0
2 21	11 19.82	+17 41.0	1.469	2.431	6.9	18.8
3 2	11 10.00	+18 9.2	1.441	2.420	4.8	18.6
3 12	10 59.59	+18 23.3	1.441	2.409	6.8	18.7
3 22	10 49.93	+18 18.5	1.466	2.399	10.7	18.9
4 1	10 42.19	+17 53.2	1.515	2.390	14.6	19.1
4 11	10 37.15	+17 8.8	1.584	2.380	18.0	19.3

500212 2012 HD_{34} 3 5.8 242°.85 1°.2/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.14	+ 5 54.4	2.207	3.036	11.8	22.4
2 11	11 23.50	+ 6 52.9	2.111	3.021	8.7	22.2
2 21	11 17.00	+ 8 3.0	2.042	3.005	5.1	22.0
3 2	11 9.20	+ 9 19.3	2.000	2.989	1.6	21.7
3 12	11 0.89	+10 35.0	1.989	2.973	3.4	21.8
3 22	10 52.94	+11 43.6	2.007	2.955	7.2	22.0
4 1	10 46.21	+12 39.6	2.053	2.938	10.8	22.2
4 11	10 41.33	+13 19.8	2.121	2.920	14.0	22.4

265571 2005 QY_{90} 3 5.8 121°.97 0°.9/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 35.00	+ 7 37.6	2.113	2.936	12.5	21.0
2 11	11 28.31	+ 7 50.1	2.047	2.952	9.2	20.8
2 21	11 19.70	+ 8 9.3	2.005	2.967	5.4	20.6
3 2	11 9.89	+ 8 31.0	1.993	2.982	1.5	20.4
3 12	10 59.85	+ 8 50.5	2.011	2.996	3.0	20.5
3 22	10 50.53	+ 9 4.0	2.059	3.010	6.8	20.8
4 1	10 42.73	+ 9 8.6	2.134	3.023	10.3	21.0
4 11	10 37.02	+ 9 2.9	2.233	3.036	13.2	21.2

372996 2011 CD_{87} 3 5.8 4.°98 1.°8/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.10	− 1 17.9	1.819	2.634	14.5	20.9
2 11	11 23.68	− 1 0.7	1.738	2.634	11.1	20.7
2 21	11 17.17	− 0 26.7	1.681	2.634	7.1	20.5
3 2	11 9.24	+ 0 21.0	1.650	2.634	3.0	20.2
3 12	11 0.86	+ 1 16.8	1.646	2.635	2.8	20.2
3 22	10 53.05	+ 2 13.8	1.671	2.635	6.8	20.4
4 1	10 46.74	+ 3 5.6	1.721	2.636	10.9	20.7
4 11	10 42.58	+ 3 47.0	1.795	2.636	14.4	20.9

413066 2001 SG_{116} 3 5.8 116.°17 4.°4/10.5 18

2 1	11 32.66	−10 24.0	2.387	3.135	13.5	22.2
2 11	11 26.44	−10 33.4	2.316	3.159	10.9	22.1
2 21	11 18.54	−10 24.9	2.268	3.183	8.0	22.0
3 2	11 9.58	− 9 59.3	2.248	3.206	5.4	21.8
3 12	11 0.38	− 9 19.5	2.256	3.228	4.4	21.8
3 22	10 51.77	− 8 30.2	2.295	3.249	6.0	21.9
4 1	10 44.48	− 7 37.0	2.362	3.269	8.6	22.1
4 11	10 39.01	− 6 45.5	2.454	3.289	11.2	22.3

324588 2006 XH_{17} 3 5.8 130.°64 0.°5/ 6.3 18

2 1	11 31.47	+ 2 9.0	2.045	2.860	13.1	21.5
2 11	11 25.84	+ 2 30.8	1.973	2.872	9.8	21.3
2 21	11 18.30	+ 3 4.6	1.926	2.884	6.0	21.1
3 2	11 9.54	+ 3 46.7	1.907	2.895	1.9	20.8
3 12	11 0.46	+ 4 31.7	1.917	2.905	2.5	20.9
3 22	10 52.01	+ 5 14.2	1.956	2.915	6.5	21.2
4 1	10 45.01	+ 5 49.4	2.023	2.925	10.1	21.4
4 11	10 40.04	+ 6 14.0	2.113	2.934	13.2	21.6

380306 2002 EM_{18} 3 5.8 249.°23 0.°6/ 6.3 17

2 1	11 32.33	+ 3 16.7	2.160	2.974	12.6	20.9
2 11	11 26.61	+ 3 16.7	2.063	2.961	9.5	20.7
2 21	11 18.88	+ 3 26.6	1.990	2.948	5.9	20.4
3 2	11 9.74	+ 3 43.7	1.946	2.934	1.9	20.1
3 12	11 0.06	+ 4 3.9	1.932	2.921	2.5	20.1
3 22	10 50.80	+ 4 23.1	1.947	2.906	6.5	20.4
4 1	10 42.86	+ 4 37.4	1.990	2.892	10.3	20.6
4 11	10 36.92	+ 4 43.5	2.057	2.877	13.6	20.7

161111 2002 QS_{56} 3 5.8 159.°96 1.°2/ 4.4 18

2 1	11 27.76	+ 7 3.7	2.294	3.125	11.4	20.6
2 11	11 23.01	+ 7 46.9	2.217	3.127	8.3	20.4
2 21	11 16.58	+ 8 38.4	2.166	3.130	4.9	20.2
3 2	11 9.06	+ 9 33.4	2.144	3.132	1.5	19.9
3 12	11 1.23	+10 26.1	2.151	3.135	3.1	20.1
3 22	10 53.88	+11 11.6	2.188	3.137	6.7	20.3
4 1	10 47.74	+11 46.0	2.251	3.138	9.9	20.5
4 11	10 43.36	+12 7.0	2.338	3.140	12.7	20.7

7440 Závist 3 5.8 41.°33 2.°2/ 3.6 18 R

2 1	11 25.92	+ 5 47.5	1.408	2.262	15.8	16.9
2 11	11 22.41	+ 7 18.7	1.353	2.276	11.4	16.6
2 21	11 16.51	+ 9 5.4	1.321	2.290	6.6	16.4
3 2	11 9.06	+10 57.5	1.316	2.304	2.4	16.2
3 12	11 1.28	+12 42.9	1.337	2.319	5.0	16.4
3 22	10 54.34	+14 11.3	1.385	2.335	9.6	16.7
4 1	10 49.27	+15 16.1	1.456	2.351	13.8	17.0
4 11	10 46.69	+15 55.2	1.548	2.367	17.3	17.2

100346 1995 SA_{68} 3 5.8 156.°87 1.°6/ 7.9 18

2 1	11 26.68	− 5 25.9	2.294	3.082	12.8	20.3
2 11	11 22.23	− 4 10.4	2.208	3.087	9.8	20.1
2 21	11 16.13	− 2 34.9	2.147	3.093	6.4	19.9
3 2	11 8.94	− 0 44.0	2.115	3.098	2.9	19.7
3 12	11 1.43	+ 1 15.1	2.114	3.102	2.3	19.6
3 22	10 54.36	+ 3 14.3	2.144	3.106	5.8	19.9
4 1	10 48.48	+ 5 5.6	2.204	3.110	9.2	20.1
4 11	10 44.32	+ 6 42.9	2.289	3.113	12.3	20.3

297614 2001 SZ_{348} 3 5.8 114.°63 4.°7/ 9.9 18

2 1	11 30.95	− 8 52.1	1.581	2.368	17.6	21.2
2 11	11 26.02	− 8 46.0	1.509	2.380	14.1	21.0
2 21	11 18.66	− 8 14.0	1.458	2.391	10.1	20.8
3 2	11 9.68	− 7 17.7	1.431	2.401	6.2	20.6
3 12	11 0.24	− 6 3.0	1.430	2.411	4.8	20.5
3 22	10 51.56	− 4 38.4	1.457	2.421	7.7	20.7
4 1	10 44.71	− 3 13.7	1.510	2.431	11.6	20.9
4 11	10 40.38	− 1 57.6	1.585	2.440	15.3	21.2

6041 Juterkilian 3 5.8 255.°73 2.°8/ 8.6 18 R

2 1	11 29.48	− 5 48.2	2.138	2.923	13.7	19.1
2 11	11 24.68	− 5 21.1	2.024	2.898	10.8	18.8
2 21	11 17.84	− 4 34.1	1.933	2.873	7.5	18.6
3 2	11 9.49	− 3 28.6	1.869	2.847	4.0	18.3
3 12	11 0.45	− 2 9.4	1.834	2.820	3.2	18.2
3 22	10 51.67	− 0 43.2	1.829	2.792	6.5	18.3
4 1	10 44.09	+ 0 42.4	1.852	2.764	10.4	18.5
4 11	10 38.47	+ 2 0.2	1.900	2.734	14.0	18.7

288826 2004 RO_{185} 3 5.8 109.°14 1.°4/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 34.68	+ 0 27.2	1.646	2.463	15.8	21.6
2 11	11 28.54	+ 0 38.2	1.583	2.480	11.9	21.4
2 21	11 20.04	+ 1 5.0	1.542	2.498	7.4	21.2
3 2	11 10.04	+ 1 43.7	1.528	2.514	2.8	20.9
3 12	10 59.72	+ 2 28.1	1.542	2.531	2.9	21.0
3 22	10 50.27	+ 3 11.6	1.584	2.547	7.4	21.3
4 1	10 42.70	+ 3 48.4	1.653	2.562	11.6	21.5
4 11	10 37.63	+ 4 14.0	1.743	2.576	15.1	21.8

503156 2015 GU_{32} 3 5.8 182.°40 0.°4/ 5.2 17

2 1	11 24.71	+ 3 18.0	2.573	3.393	10.6	21.6
2 11	11 20.65	+ 4 20.1	2.489	3.394	7.8	21.4
2 21	11 15.14	+ 5 33.4	2.432	3.394	4.6	21.2
3 2	11 8.68	+ 6 53.1	2.404	3.393	1.2	20.9
3 12	11 1.91	+ 8 13.5	2.407	3.393	2.4	21.0
3 22	10 55.53	+ 9 29.0	2.440	3.392	5.8	21.3
4 1	10 50.15	+10 34.5	2.501	3.392	8.9	21.4
4 11	10 46.27	+11 26.9	2.586	3.391	11.6	21.6

426537 2013 RM_{71} 3 5.8 156.°39 0.°2/ 5.5 17

2 1	11 27.52	+ 3 6.8	1.988	2.815	13.0	21.3
2 11	11 23.08	+ 3 54.6	1.911	2.817	9.6	21.1
2 21	11 16.75	+ 4 55.9	1.857	2.819	5.8	20.9
3 2	11 9.15	+ 6 5.4	1.831	2.820	1.5	20.6
3 12	11 1.16	+ 7 16.4	1.835	2.822	2.8	20.7
3 22	10 53.71	+ 8 22.0	1.867	2.823	7.0	20.9
4 1	10 47.63	+ 9 16.5	1.925	2.824	10.7	21.2
4 11	10 43.52	+ 9 56.3	2.006	2.826	13.9	21.4

432173 2009 CO_{14} 3 5.8 287.°07 1.°4/ 4.1 17

2 1	11 25.02	+ 6 12.7	2.189	3.025	11.6	20.7
2 11	11 21.19	+ 7 16.6	2.101	3.014	8.5	20.5
2 21	11 15.62	+ 8 31.8	2.037	3.002	5.0	20.3
3 2	11 8.84	+ 9 52.7	2.003	2.991	1.6	20.0
3 12	11 1.64	+11 12.3	1.997	2.980	3.5	20.1
3 22	10 54.83	+12 24.0	2.021	2.969	7.2	20.3
4 1	10 49.20	+13 22.4	2.071	2.958	10.7	20.5
4 11	10 45.34	+14 4.3	2.144	2.947	13.7	20.7

225980 2002 CL_{196} 3 5.8 170.°45 0.°9/ 6.6 17

2 1	11 32.05	+ 2 12.1	2.112	2.925	12.9	20.4
2 11	11 26.32	+ 2 14.7	2.030	2.927	9.7	20.2
2 21	11 18.64	+ 2 28.2	1.972	2.929	6.0	20.0
3 2	11 9.68	+ 2 49.8	1.943	2.930	2.1	19.7
3 12	11 0.31	+ 3 15.3	1.943	2.931	2.4	19.7
3 22	10 51.50	+ 3 40.3	1.972	2.932	6.4	20.0
4 1	10 44.07	+ 4 0.5	2.029	2.933	10.0	20.2
4 11	10 38.65	+ 4 12.7	2.109	2.933	13.2	20.4

110778 2001 UE_{30} 3 5.8 142.°05 4.°7/28.9 18

2 1	11 29.19	+20 30.2	2.538	3.382	10.0	19.8
2 11	11 23.93	+21 29.7	2.478	3.388	7.5	19.7
2 21	11 17.08	+22 27.1	2.444	3.394	5.4	19.5
3 2	11 9.21	+23 16.4	2.439	3.400	4.8	19.5
3 12	11 1.11	+23 52.6	2.463	3.406	6.2	19.6
3 22	10 53.54	+24 12.4	2.515	3.412	8.5	19.8
4 1	10 47.20	+24 14.7	2.592	3.417	10.9	19.9
4 11	10 42.58	+24 0.2	2.690	3.422	13.0	20.1

522464 2016 CR_{321} 3 5.8 212.°71 2.°9/ 8.5 17

2 1	11 28.18	− 4 35.0	1.908	2.707	14.6	21.5
2 11	11 23.69	− 4 24.8	1.823	2.706	11.4	21.3
2 21	11 17.18	− 3 55.9	1.762	2.706	7.7	21.0
3 2	11 9.29	− 3 10.6	1.726	2.705	4.1	20.8
3 12	11 0.93	− 2 13.6	1.718	2.704	3.3	20.8
3 22	10 53.10	− 1 11.5	1.739	2.704	6.6	21.0
4 1	10 46.70	− 0 11.1	1.786	2.703	10.4	21.2
4 11	10 42.38	+ 0 41.5	1.856	2.702	13.8	21.4

425854 2011 EV_{71} 3 5.8 18.°35 2.°5/ 3.6 18

2 1	11 27.76	+ 9 22.8	1.562	2.416	14.5	20.8
2 11	11 23.65	+10 10.5	1.498	2.420	10.6	20.6
2 21	11 17.24	+11 7.4	1.457	2.425	6.2	20.3
3 2	11 9.30	+12 6.2	1.443	2.430	2.6	20.1
3 12	11 0.97	+12 58.4	1.455	2.436	4.8	20.3
3 22	10 53.41	+13 37.4	1.494	2.443	9.1	20.5
4 1	10 47.61	+13 58.9	1.556	2.450	13.1	20.8
4 11	10 44.22	+14 1.5	1.639	2.458	16.6	21.0

153908 2001 XA_{237} 3 5.8 177.°31 1.°3/ 4.4 18

2 1	11 30.42	+ 7 35.6	2.345	3.172	11.3	21.3
2 11	11 24.95	+ 8 17.0	2.266	3.174	8.3	21.1
2 21	11 17.76	+ 9 6.0	2.213	3.176	4.8	20.8
3 2	11 9.43	+ 9 58.0	2.188	3.177	1.6	20.6
3 12	11 0.76	+10 47.4	2.194	3.177	3.2	20.7
3 22	10 52.58	+11 29.3	2.230	3.177	6.7	21.0
4 1	10 45.64	+12 0.0	2.293	3.176	10.0	21.2
4 11	10 40.49	+12 17.6	2.380	3.174	12.8	21.3

227607 2006 AD_{71} 3 5.8 271°.69 1°.5/ 7.2 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.59	− 0 30.2	1.944	2.757	13.8	20.8
2 11	11 23.98	− 0 16.8	1.858	2.753	10.5	20.6
2 21	11 17.35	+ 0 11.6	1.796	2.750	6.7	20.4
3 2	11 9.34	+ 0 52.2	1.761	2.746	2.8	20.1
3 12	11 0.87	+ 1 39.8	1.754	2.742	2.6	20.1
3 22	10 52.91	+ 2 28.5	1.775	2.739	6.6	20.3
4 1	10 46.35	+ 3 12.5	1.823	2.735	10.5	20.6
4 11	10 41.85	+ 3 47.0	1.894	2.731	13.9	20.8

18764 1999 JA_{12} 3 5.8 278°.09 12°.5/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.18	+32 59.2	1.556	2.408	14.7	17.7
2 11	11 27.04	+35 54.6	1.499	2.388	13.0	17.5
2 21	11 19.76	+38 39.8	1.467	2.368	12.5	17.5
3 2	11 10.12	+40 57.9	1.460	2.348	13.6	17.5
3 12	10 59.51	+42 36.0	1.476	2.328	15.9	17.5
3 22	10 49.58	+43 28.2	1.512	2.308	18.5	17.7
4 1	10 41.85	+43 35.3	1.565	2.287	21.0	17.8
4 11	10 37.36	+43 3.3	1.629	2.266	23.2	17.9

360579 2003 UX_{203} 3 5.8 213°.76 0°.8/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.19	+ 5 40.0	2.063	2.887	12.7	22.1
2 11	11 26.58	+ 6 16.7	1.973	2.879	9.4	21.9
2 21	11 18.90	+ 7 4.1	1.908	2.870	5.6	21.6
3 2	11 9.78	+ 7 57.4	1.871	2.861	1.5	21.3
3 12	11 0.15	+ 8 50.3	1.865	2.850	3.1	21.4
3 22	10 50.99	+ 9 37.1	1.888	2.839	7.3	21.7
4 1	10 43.24	+10 12.8	1.937	2.828	11.1	21.9
4 11	10 37.56	+10 34.6	2.010	2.815	14.4	22.1

522560 2016 EQ_{243} 3 5.8 84°.44 2°.0/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.29	+ 7 39.6	1.783	2.626	13.5	21.7
2 11	11 23.84	+ 8 38.3	1.713	2.629	9.9	21.5
2 21	11 17.28	+ 9 47.6	1.667	2.633	5.8	21.3
3 2	11 9.32	+11 0.7	1.648	2.636	2.1	21.0
3 12	11 0.96	+12 9.4	1.658	2.640	4.2	21.2
3 22	10 53.25	+13 6.7	1.695	2.643	8.3	21.4
4 1	10 47.10	+13 47.6	1.758	2.646	12.2	21.7
4 11	10 43.14	+14 9.9	1.842	2.650	15.4	21.9

180564 2004 EM_{68} 3 5.8 268°.51 1°.2/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.71	+ 1 18.2	2.270	3.079	12.2	20.3
2 11	11 24.55	+ 1 16.2	2.179	3.073	9.2	20.0
2 21	11 17.59	+ 1 24.8	2.113	3.067	5.8	19.8
3 2	11 9.41	+ 1 41.8	2.075	3.061	2.3	19.6
3 12	11 0.81	+ 2 3.7	2.066	3.055	2.3	19.6
3 22	10 52.64	+ 2 26.4	2.087	3.049	6.0	19.8
4 1	10 45.69	+ 2 45.9	2.136	3.042	9.4	20.0
4 11	10 40.56	+ 2 58.8	2.208	3.036	12.5	20.2

358497 2007 RB_{142} 3 5.8 187°.09 0°.8/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.73	+ 6 10.3	2.117	2.938	12.5	21.6
2 11	11 27.59	+ 6 41.6	2.033	2.938	9.3	21.4
2 21	11 19.43	+ 7 22.1	1.975	2.937	5.5	21.2
3 2	11 9.92	+ 8 7.3	1.946	2.935	1.5	20.9
3 12	10 59.98	+ 8 51.4	1.947	2.932	3.1	21.0
3 22	10 50.59	+ 9 29.2	1.978	2.929	7.1	21.2
4 1	10 42.62	+ 9 56.5	2.036	2.924	10.8	21.5
4 11	10 36.73	+10 11.0	2.117	2.919	13.9	21.6

491323 2011 WV_{87} 3 5.8 191°.91 3°.6/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.20	+13 15.3	2.044	2.883	12.2	22.6
2 11	11 27.30	+14 21.0	1.968	2.881	9.0	22.4
2 21	11 19.31	+15 31.7	1.917	2.879	5.6	22.2
3 2	11 9.89	+16 40.2	1.895	2.876	3.6	22.0
3 12	11 0.03	+17 39.0	1.903	2.871	5.5	22.1
3 22	10 50.75	+18 22.3	1.940	2.866	8.9	22.3
4 1	10 42.98	+18 47.0	2.002	2.860	12.3	22.5
4 11	10 37.37	+18 52.6	2.086	2.854	15.2	22.7

341775 2007 WE_{7} 3 5.8 108°.99 0°.1/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.60	+ 3 31.3	2.450	3.266	11.2	21.6
2 11	11 23.47	+ 3 52.7	2.379	3.279	8.3	21.4
2 21	11 16.80	+ 4 23.3	2.334	3.292	5.0	21.2
3 2	11 9.16	+ 4 59.6	2.317	3.305	1.4	21.0
3 12	11 1.28	+ 5 37.2	2.330	3.318	2.2	21.1
3 22	10 53.91	+ 6 11.9	2.373	3.330	5.6	21.3
4 1	10 47.71	+ 6 40.1	2.444	3.342	8.8	21.6
4 11	10 43.17	+ 6 59.2	2.539	3.354	11.5	21.8

219059 1996 TD_{34} 3 5.8 150°.76 0°.1/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.00	+ 3 50.4	2.165	2.985	12.3	21.3
2 11	11 24.74	+ 4 21.8	2.089	2.992	9.1	21.1
2 21	11 17.67	+ 5 3.9	2.038	2.998	5.5	20.9
3 2	11 9.42	+ 5 52.5	2.015	3.004	1.5	20.6
3 12	11 0.84	+ 6 42.2	2.022	3.010	2.6	20.7
3 22	10 52.81	+ 7 27.5	2.059	3.015	6.5	21.0
4 1	10 46.11	+ 8 4.0	2.122	3.019	10.0	21.2
4 11	10 41.30	+ 8 28.8	2.209	3.023	13.0	21.4

414855 2010 VN_{82} 3 5.8 50°.01 2°.4/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 32.42	+ 9 15.0	1.376	2.229	16.2	20.8
2 11	11 27.06	+ 9 56.8	1.334	2.255	11.7	20.6
2 21	11 19.18	+10 47.0	1.315	2.282	6.8	20.4
3 2	11 9.81	+11 37.6	1.321	2.309	2.7	20.2
3 12	11 0.31	+12 20.2	1.354	2.336	4.9	20.4
3 22	10 51.95	+12 48.6	1.412	2.363	9.4	20.7
4 1	10 45.73	+12 59.6	1.495	2.391	13.4	21.0
4 11	10 42.19	+12 52.9	1.598	2.418	16.8	21.3

264537 2001 SW_{3} 3 5.8 141°.55 1°.5/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.47	− 1 43.1	2.371	3.165	12.2	22.0
2 11	11 24.91	− 1 17.9	2.294	3.179	9.3	21.8
2 21	11 17.69	− 0 39.2	2.243	3.192	6.0	21.6
3 2	11 9.42	+ 0 10.0	2.221	3.205	2.5	21.4
3 12	11 0.87	+ 1 5.0	2.228	3.216	2.3	21.4
3 22	10 52.85	+ 2 0.5	2.266	3.227	5.6	21.7
4 1	10 46.06	+ 2 51.6	2.333	3.238	8.9	21.9
4 11	10 41.03	+ 3 34.2	2.424	3.247	11.7	22.1

401948 2002 PS_{179} 3 5.8 135°.55 0°.2/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.20	+ 2 42.0	2.063	2.881	12.9	22.2
2 11	11 24.92	+ 3 35.7	1.993	2.895	9.5	22.0
2 21	11 17.78	+ 4 42.2	1.948	2.908	5.7	21.8
3 2	11 9.45	+ 5 56.4	1.932	2.921	1.5	21.6
3 12	11 0.83	+ 7 11.3	1.945	2.933	2.7	21.7
3 22	10 52.81	+ 8 20.2	1.989	2.944	6.7	21.9
4 1	10 46.20	+ 9 17.7	2.059	2.954	10.3	22.2
4 11	10 41.55	+10 0.6	2.153	2.964	13.4	22.4

42816 1999 NZ_{1} 3 5.8 102°.18 2°.4/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.15	− 6 17.8	2.232	3.014	13.3	19.0
2 11	11 23.24	− 5 29.4	2.165	3.038	10.3	18.8
2 21	11 16.69	− 4 22.8	2.121	3.061	6.9	18.7
3 2	11 9.13	− 3 1.4	2.106	3.084	3.5	18.5
3 12	11 1.37	− 1 31.6	2.120	3.107	2.7	18.5
3 22	10 54.19	− 0 0.2	2.165	3.128	5.6	18.7
4 1	10 48.29	+ 1 26.0	2.238	3.149	8.9	18.9
4 11	10 44.17	+ 2 41.5	2.337	3.170	11.7	19.2

168848 2000 UD_{47} 3 5.8 206°.97 1°.5/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.46	+ 7 25.9	1.999	2.829	12.8	20.9
2 11	11 26.82	+ 8 11.7	1.914	2.823	9.4	20.7
2 21	11 19.07	+ 9 7.2	1.853	2.817	5.6	20.4
3 2	11 9.85	+10 7.0	1.821	2.809	1.9	20.2
3 12	11 0.13	+11 4.1	1.818	2.801	3.7	20.3
3 22	10 50.93	+11 52.3	1.845	2.792	7.8	20.5
4 1	10 43.19	+12 27.0	1.898	2.783	11.6	20.7
4 11	10 37.60	+12 45.8	1.973	2.772	14.9	20.9

342834 2008 XQ_{42} 3 5.8 32°.37 3°.5/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.53	− 5 52.2	2.135	2.921	13.7	20.2
2 11	11 23.77	− 6 2.5	2.050	2.922	10.8	20.0
2 21	11 17.16	− 5 56.5	1.987	2.923	7.6	19.8
3 2	11 9.30	− 5 35.1	1.951	2.924	4.5	19.6
3 12	11 1.04	− 5 1.5	1.943	2.924	3.7	19.5
3 22	10 53.24	− 4 20.5	1.963	2.925	6.2	19.7
4 1	10 46.74	− 3 37.5	2.011	2.927	9.5	19.9
4 11	10 42.12	− 2 58.1	2.083	2.928	12.5	20.1

342900 2008 YZ_{117} 3 5.8 163°.43 2°.3/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.90	− 3 22.3	2.548	3.335	11.7	21.2
2 11	11 23.73	− 3 21.3	2.461	3.338	9.1	21.0
2 21	11 17.00	− 3 7.5	2.400	3.341	6.1	20.8
3 2	11 9.24	− 2 42.7	2.366	3.344	3.2	20.6
3 12	11 1.16	− 2 9.9	2.362	3.347	2.6	20.6
3 22	10 53.49	− 1 33.3	2.388	3.349	5.3	20.8
4 1	10 46.92	− 0 57.2	2.442	3.351	8.3	20.9
4 11	10 41.96	− 0 25.5	2.522	3.353	11.0	21.1

138990 2001 DV_{14} 3 5.8 316°.83 1°.4/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.01	+ 3 49.9	1.376	2.229	16.2	19.2
2 11	11 22.13	+ 5 2.6	1.292	2.213	12.0	18.9
2 21	11 16.64	+ 6 37.0	1.231	2.198	7.1	18.6
3 2	11 9.24	+ 8 25.2	1.194	2.183	2.0	18.2
3 12	11 1.08	+10 15.5	1.183	2.169	4.5	18.3
3 22	10 53.50	+11 55.4	1.199	2.155	9.9	18.6
4 1	10 47.75	+13 15.0	1.237	2.142	14.9	18.8
4 11	10 44.70	+14 8.7	1.295	2.130	19.2	19.1

241125 2007 PL_{30} 3 5.8 206°.88 1°.9/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.34	+ 8 5.0	1.922	2.755	13.1	21.5
2 11	11 26.81	+ 8 56.0	1.838	2.750	9.6	21.3
2 21	11 19.09	+ 9 56.8	1.779	2.743	5.7	21.0
3 2	11 9.86	+11 1.4	1.749	2.737	2.1	20.7
3 12	11 0.12	+12 2.2	1.748	2.729	4.1	20.9
3 22	10 50.92	+12 52.8	1.775	2.721	8.2	21.1
4 1	10 43.24	+13 28.3	1.829	2.712	12.1	21.3
4 11	10 37.79	+13 46.6	1.904	2.702	15.4	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
57536 2001 TA_{13}			3 5.8 49°.03	3°.1/ 1.8 18		
	h m	° ′			°	m
2 1	11 24.44	+ 9 0.5	2.011	2.858	12.0	18.8
2 11	11 20.78	+11 0.4	1.952	2.872	8.6	18.6
2 21	11 15.35	+13 9.7	1.920	2.886	5.1	18.4
3 2	11 8.79	+15 19.2	1.918	2.901	3.1	18.3
3 12	11 1.94	+17 19.0	1.946	2.916	5.2	18.5
3 22	10 55.65	+19 1.3	2.003	2.931	8.6	18.7
4 1	10 50.68	+20 20.9	2.085	2.946	11.8	19.0
4 11	10 47.57	+21 16.4	2.190	2.961	14.4	19.2
386119 2007 RU_{227}			3 5.8 213°.09	6°.4/27.8 17		
2 1	11 31.48	+25 10.1	2.275	3.118	11.0	20.7
2 11	11 25.87	+26 8.2	2.214	3.117	8.7	20.6
2 21	11 18.35	+27 0.6	2.178	3.116	6.8	20.5
3 2	11 9.62	+27 40.3	2.169	3.115	6.5	20.4
3 12	11 0.60	+28 1.7	2.189	3.115	7.9	20.5
3 22	10 52.23	+28 2.1	2.235	3.114	10.2	20.7
4 1	10 45.31	+27 41.4	2.304	3.112	12.6	20.8
4 11	10 40.42	+27 1.6	2.394	3.111	14.7	21.0
205923 2002 GG_{171}			3 5.8 317°.34	2°.8/ 8.1 18		
2 1	11 27.66	− 4 4.8	1.468	2.286	17.2	20.0
2 11	11 23.89	− 3 41.3	1.386	2.282	13.4	19.8
2 21	11 17.59	− 2 53.5	1.326	2.277	8.9	19.5
3 2	11 9.49	− 1 44.2	1.290	2.273	4.3	19.2
3 12	11 0.76	− 0 20.9	1.280	2.269	3.5	19.2
3 22	10 52.67	+ 1 6.7	1.297	2.265	8.0	19.4
4 1	10 46.37	+ 2 28.4	1.338	2.261	12.7	19.7
4 11	10 42.68	+ 3 36.2	1.401	2.257	16.8	19.9
122203 2000 LT_{26}			3 5.8 230°.22	0°.7/ 6.5 18		
2 1	11 29.36	+ 0 52.9	2.373	3.180	11.8	20.6
2 11	11 24.31	+ 1 23.7	2.273	3.167	8.9	20.4
2 21	11 17.49	+ 2 7.4	2.197	3.152	5.6	20.2
3 2	11 9.43	+ 3 0.6	2.150	3.138	1.9	19.9
3 12	11 0.89	+ 3 58.7	2.134	3.122	2.2	19.9
3 22	10 52.69	+ 4 56.0	2.147	3.106	6.0	20.1
4 1	10 45.62	+ 5 47.4	2.189	3.089	9.6	20.3
4 11	10 40.29	+ 6 28.8	2.254	3.072	12.6	20.5
89052 2001 TR_{118}			3 5.8 185°.25	5°.1/10.7 18		
2 1	11 31.42	−10 58.5	2.259	3.010	14.1	19.5
2 11	11 25.89	−11 19.0	2.167	3.010	11.5	19.3
2 21	11 18.45	−11 20.9	2.097	3.010	8.7	19.1
3 2	11 9.69	−11 3.9	2.054	3.009	6.1	18.9
3 12	11 0.47	−10 30.1	2.038	3.007	5.1	18.9
3 22	10 51.68	− 9 43.8	2.052	3.005	6.7	19.0
4 1	10 44.17	− 8 50.9	2.093	3.003	9.5	19.1
4 11	10 38.56	− 7 57.8	2.159	3.000	12.3	19.3
210964 2001 UK_{164}			3 5.8 120°.36	2°.1/ 8.4 18		
2 1	11 25.59	− 4 26.2	2.475	3.265	11.9	20.3
2 11	11 21.34	− 3 56.4	2.393	3.272	9.2	20.1
2 21	11 15.59	− 3 11.4	2.336	3.279	6.1	19.9
3 2	11 8.87	− 2 13.9	2.306	3.286	3.1	19.7
3 12	11 1.87	− 1 8.4	2.306	3.293	2.5	19.7
3 22	10 55.29	− 0 0.4	2.336	3.300	5.2	19.9
4 1	10 49.79	+ 1 4.8	2.394	3.306	8.3	20.1
4 11	10 45.86	+ 2 2.3	2.477	3.313	11.1	20.3
83735 2001 TW_{122}			3 5.8 282°.13	0°.9/ 4.9 17		
2 1	11 31.51	+ 8 12.6	2.266	3.093	11.6	19.6
2 11	11 25.84	+ 8 17.8	2.182	3.090	8.6	19.4
2 21	11 18.35	+ 8 28.7	2.125	3.087	5.1	19.2
3 2	11 9.66	+ 8 41.8	2.095	3.084	1.5	18.9
3 12	11 0.60	+ 8 53.0	2.096	3.081	2.9	19.0
3 22	10 52.05	+ 8 58.9	2.126	3.078	6.6	19.3
4 1	10 44.81	+ 8 56.7	2.184	3.076	10.0	19.5
4 11	10 39.45	+ 8 45.1	2.265	3.073	12.9	19.7
183443 2003 AZ_{91}			3 5.8 109°.38	3°.5/ 8.6 18		
2 1	11 34.82	− 4 13.6	1.900	2.689	15.0	19.5
2 11	11 28.49	− 4 37.2	1.828	2.703	11.7	19.3
2 21	11 20.01	− 4 44.4	1.779	2.718	8.1	19.1
3 2	11 10.12	− 4 36.4	1.756	2.732	4.6	18.9
3 12	10 59.88	− 4 16.5	1.763	2.746	3.8	18.9
3 22	10 50.34	− 3 49.4	1.798	2.759	6.8	19.1
4 1	10 42.43	− 3 20.5	1.861	2.772	10.3	19.3
4 11	10 36.80	− 2 55.2	1.947	2.785	13.5	19.6
368990 2007 EA_{170}			3 5.8 24°.39	0°.6/ 6.4 18		
2 1	11 24.72	− 1 5.5	1.578	2.408	15.6	20.1
2 11	11 21.45	+ 0 5.0	1.506	2.412	11.8	19.8
2 21	11 15.97	+ 1 37.9	1.457	2.417	7.2	19.6
3 2	11 9.02	+ 3 26.3	1.433	2.422	2.3	19.3
3 12	11 1.64	+ 5 20.4	1.438	2.427	2.9	19.3
3 22	10 54.92	+ 7 9.0	1.470	2.433	7.8	19.6
4 1	10 49.81	+ 8 43.0	1.528	2.439	12.2	19.9
4 11	10 46.99	+ 9 56.3	1.607	2.446	15.9	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
205595 2001 TF_{201}			3 5.8 87°.64	5°.2/28.8 18		
	h m	° ′			°	m
2 1	11 28.69	+20 15.1	2.237	3.086	10.9	20.0
2 11	11 23.80	+21 22.1	2.179	3.092	8.2	19.8
2 21	11 17.12	+22 27.3	2.146	3.098	5.9	19.7
3 2	11 9.31	+23 23.7	2.141	3.104	5.3	19.6
3 12	11 1.23	+24 5.3	2.165	3.110	6.8	19.8
3 22	10 53.75	+24 28.3	2.216	3.115	9.4	19.9
4 1	10 47.63	+24 31.5	2.291	3.121	11.9	20.1
4 11	10 43.41	+24 15.8	2.387	3.127	14.2	20.3
316906 2000 TJ_{2}			3 5.8 174°.13	1°.0/ 4.5 18		
2 1	11 26.92	+ 7 30.1	2.795	3.620	9.7	21.7
2 11	11 22.17	+ 8 7.0	2.714	3.622	7.1	21.5
2 21	11 16.03	+ 8 50.3	2.660	3.623	4.1	21.3
3 2	11 9.00	+ 9 36.0	2.636	3.625	1.3	21.1
3 12	11 1.71	+10 19.9	2.642	3.626	2.7	21.2
3 22	10 54.80	+10 57.9	2.679	3.626	5.7	21.4
4 1	10 48.87	+11 27.2	2.743	3.626	8.5	21.6
4 11	10 44.38	+11 45.6	2.831	3.626	10.9	21.7
217861 2001 QY_{127}			3 5.8 215°.93	4°.1/ 9.8 17		
2 1	11 30.39	− 8 18.8	2.169	2.938	14.0	21.0
2 11	11 25.23	− 8 23.9	2.072	2.931	11.3	20.8
2 21	11 18.12	− 8 10.5	1.997	2.924	8.2	20.6
3 2	11 9.64	− 7 39.1	1.949	2.916	5.2	20.4
3 12	11 0.62	− 6 52.8	1.929	2.907	4.2	20.3
3 22	10 52.01	− 5 56.7	1.938	2.898	6.5	20.4
4 1	10 44.67	− 4 57.0	1.975	2.888	9.7	20.6
4 11	10 39.28	− 4 0.3	2.036	2.878	12.9	20.8
94918 2001 YH_{60}			3 5.8 147°.26	2°.6/ 8.1 18		
2 1	11 33.19	− 3 41.6	1.856	2.652	15.1	21.1
2 11	11 27.38	− 3 30.3	1.780	2.662	11.7	20.9
2 21	11 19.39	− 3 0.8	1.727	2.672	7.8	20.7
3 2	11 9.97	− 2 15.7	1.700	2.681	3.9	20.5
3 12	11 0.14	− 1 20.3	1.702	2.689	3.2	20.4
3 22	10 50.97	− 0 21.3	1.734	2.697	6.8	20.7
4 1	10 43.41	+ 0 34.6	1.792	2.703	10.7	20.9
4 11	10 38.12	+ 1 21.7	1.873	2.709	14.1	21.1
105594 2000 RU_{88}			3 5.8 215°.17	3°.3/ 9.5 18		
2 1	11 27.49	− 6 47.0	2.557	3.329	12.0	20.2
2 11	11 22.78	− 6 51.3	2.463	3.326	9.6	20.0
2 21	11 16.50	− 6 41.0	2.392	3.323	6.8	19.8
3 2	11 9.16	− 6 16.9	2.349	3.319	4.2	19.6
3 12	11 1.45	− 5 41.8	2.335	3.315	3.4	19.6
3 22	10 54.10	− 4 59.7	2.351	3.311	5.5	19.7
4 1	10 47.79	− 4 15.3	2.394	3.307	8.3	19.9
4 11	10 43.07	− 3 33.5	2.463	3.303	11.0	20.0
53969 2000 GV_{65}			3 5.8 295°.62	2°.3/ 4.2 18		
2 1	11 31.78	+ 8 32.9	1.349	2.203	16.4	18.4
2 11	11 27.27	+ 9 8.3	1.268	2.189	12.2	18.1
2 21	11 19.81	+ 9 55.9	1.208	2.175	7.3	17.8
3 2	11 10.19	+10 48.6	1.173	2.162	2.6	17.5
3 12	10 59.74	+11 36.9	1.165	2.148	5.1	17.6
3 22	10 49.98	+12 12.5	1.181	2.135	10.4	17.9
4 1	10 42.29	+12 29.7	1.221	2.122	15.4	18.1
4 11	10 37.63	+12 26.1	1.279	2.110	19.7	18.3
6245 Ikufumi			3 5.8 173°.30	3°.5/ 8.8 18		
2 1	11 33.70	− 5 20.5	1.916	2.702	15.0	17.7
2 11	11 27.80	− 5 25.9	1.832	2.705	11.8	17.5
2 21	11 19.69	− 5 13.0	1.770	2.708	8.2	17.3
3 2	11 10.08	− 4 43.3	1.734	2.710	4.6	17.1
3 12	10 59.97	− 4 0.7	1.728	2.711	3.8	17.0
3 22	10 50.43	− 3 10.8	1.750	2.712	6.9	17.2
4 1	10 42.44	− 2 20.4	1.800	2.712	10.6	17.4
4 11	10 36.71	− 1 35.5	1.873	2.711	14.0	17.6
289980 2005 OK_{7}			3 5.8 182°.88	14°.7/17.9 18		R
2 1	11 34.38	−27 49.2	1.421	2.101	23.8	20.3
2 11	11 29.49	−29 12.2	1.341	2.102	21.6	20.1
2 21	11 21.32	−29 57.3	1.276	2.103	19.1	19.9
3 2	11 10.65	−29 55.8	1.227	2.102	16.6	19.7
3 12	10 58.95	−29 4.1	1.198	2.102	15.0	19.6
3 22	10 47.91	−27 26.2	1.191	2.100	14.8	19.6
4 1	10 39.17	−25 13.9	1.206	2.098	16.3	19.7
4 11	10 33.80	−22 44.3	1.241	2.095	18.7	19.8
214993 2008 CM_{28}			3 5.8 296°.12	3°.1/ 2.2 17		
2 1	11 26.06	+12 59.5	2.324	3.169	10.7	20.6
2 11	11 21.88	+13 57.8	2.243	3.161	7.8	20.4
2 21	11 16.02	+15 0.7	2.189	3.152	4.8	20.2
3 2	11 9.04	+16 2.4	2.163	3.144	3.1	20.1
3 12	11 1.68	+16 56.7	2.166	3.136	4.8	20.2
3 22	10 54.75	+17 38.7	2.198	3.128	7.8	20.3
4 1	10 48.99	+18 5.3	2.255	3.120	10.8	20.5
4 11	10 44.95	+18 15.1	2.334	3.112	13.5	20.7

292254 2006 SP_{91} 3 5.8 152°.92 2°.1/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.54	− 4 38.9	2.624	3.410	11.4	21.9
2 11	11 21.26	− 4 12.5	2.538	3.414	8.9	21.7
2 21	11 15.55	− 3 31.8	2.476	3.417	6.0	21.5
3 2	11 8.89	− 2 38.9	2.442	3.421	3.1	21.3
3 12	11 1.96	− 1 38.1	2.438	3.424	2.4	21.3
3 22	10 55.40	− 0 34.2	2.464	3.427	5.0	21.5
4 1	10 49.85	+ 0 27.7	2.519	3.430	8.0	21.6
4 11	10 45.79	+ 1 23.0	2.599	3.433	10.7	21.8

113670 2002 TK_{93} 3 5.8 279°.48 3°.5/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 35.27	− 2 15.2	1.713	2.516	15.8	19.8
2 11	11 29.49	− 2 52.5	1.610	2.495	12.5	19.6
2 21	11 21.04	− 3 15.5	1.529	2.475	8.6	19.3
3 2	11 10.55	− 3 24.3	1.475	2.454	4.6	19.0
3 12	10 59.13	− 3 20.8	1.448	2.432	4.1	18.9
3 22	10 48.08	− 3 9.1	1.449	2.411	8.0	19.1
4 1	10 38.66	− 2 54.6	1.476	2.389	12.4	19.3
4 11	10 31.84	− 2 42.8	1.525	2.368	16.4	19.5

348499 2005 TK_{9} 3 5.8 202°.95 0°.8/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.37	+ 4 45.9	1.797	2.623	14.2	22.6
2 11	11 27.73	+ 5 30.5	1.712	2.619	10.5	22.3
2 21	11 19.75	+ 6 28.6	1.651	2.613	6.3	22.1
3 2	11 10.13	+ 7 34.5	1.618	2.607	1.7	21.7
3 12	10 59.93	+ 8 40.7	1.614	2.600	3.4	21.8
3 22	10 50.30	+ 9 39.6	1.639	2.592	8.1	22.1
4 1	10 42.31	+10 25.4	1.690	2.584	12.3	22.3
4 11	10 36.69	+10 54.7	1.763	2.574	15.9	22.5

473031 2015 HR_{69} 3 5.8 313°.84 0°.8/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.94	+ 1 4.8	2.044	2.866	12.9	21.4
2 11	11 22.03	+ 1 29.0	1.951	2.853	9.8	21.2
2 21	11 16.24	+ 2 7.3	1.883	2.840	6.1	20.9
3 2	11 9.13	+ 2 56.1	1.841	2.828	2.1	20.6
3 12	11 1.55	+ 3 50.2	1.827	2.816	2.4	20.6
3 22	10 54.38	+ 4 43.6	1.842	2.805	6.5	20.9
4 1	10 48.46	+ 5 30.6	1.883	2.793	10.3	21.1
4 11	10 44.44	+ 6 6.8	1.948	2.782	13.7	21.3

470199 2006 VZ_{54} 3 5.8 168°.67 2°.6/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.88	− 7 24.5	3.222	3.983	10.0	22.9
2 11	11 21.28	− 7 8.7	3.130	3.987	7.9	22.7
2 21	11 15.47	− 6 40.0	3.064	3.991	5.6	22.6
3 2	11 8.88	− 5 59.9	3.025	3.994	3.4	22.4
3 12	11 2.05	− 5 11.2	3.017	3.997	2.7	22.4
3 22	10 55.52	− 4 17.6	3.040	4.000	4.4	22.5
4 1	10 49.83	− 3 23.1	3.092	4.002	6.7	22.7
4 11	10 45.37	− 2 31.6	3.171	4.003	9.0	22.8

123712 2000 YO_{122} 3 5.8 81°.97 5°.1/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.67	−12 20.7	1.949	2.709	15.7	19.8
2 11	11 23.23	−12 9.1	1.877	2.725	12.8	19.6
2 21	11 16.88	−11 33.3	1.826	2.742	9.5	19.4
3 2	11 9.29	−10 34.6	1.800	2.758	6.5	19.3
3 12	11 1.40	− 9 17.7	1.801	2.774	5.1	19.2
3 22	10 54.12	− 7 49.9	1.830	2.791	6.8	19.3
4 1	10 48.29	− 6 19.5	1.887	2.807	9.7	19.6
4 11	10 44.47	− 4 54.5	1.968	2.823	12.8	19.8

384224 2009 DV_{22} 3 5.8 17°.33 0°.7/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.01	+ 6 54.9	2.134	2.964	12.1	21.2
2 11	11 24.83	+ 7 8.3	2.056	2.965	8.9	21.0
2 21	11 17.80	+ 7 29.1	2.002	2.965	5.3	20.8
3 2	11 9.56	+ 7 53.6	1.977	2.966	1.5	20.5
3 12	11 0.96	+ 8 17.1	1.981	2.967	2.9	20.6
3 22	10 52.91	+ 8 35.4	2.014	2.968	6.7	20.9
4 1	10 46.20	+ 8 45.2	2.073	2.969	10.2	21.1
4 11	10 41.41	+ 8 44.3	2.156	2.971	13.2	21.3

121054 1999 CX_{73} 3 5.8 13°.35 0°.3/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.20	− 0 3.4	0.982	1.848	20.1	18.7
2 11	11 20.53	+ 0 55.8	0.927	1.851	15.1	18.4
2 21	11 15.84	+ 2 24.2	0.890	1.857	9.2	18.1
3 2	11 9.08	+ 4 13.1	0.875	1.864	2.8	17.8
3 12	11 1.77	+ 6 7.6	0.883	1.873	3.9	17.9
3 22	10 55.47	+ 7 52.4	0.914	1.883	10.2	18.2
4 1	10 51.50	+ 9 15.3	0.966	1.895	15.7	18.6
4 11	10 50.62	+10 9.8	1.036	1.908	20.3	18.9

214244 2005 EH_{229} 3 5.8 352°.17 0°.8/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.97	+ 5 23.1	1.277	2.131	17.1	20.6
2 11	11 25.14	+ 5 47.5	1.206	2.127	12.7	20.3
2 21	11 18.47	+ 6 27.2	1.157	2.124	7.6	20.0
3 2	11 9.82	+ 7 16.0	1.131	2.121	2.1	19.6
3 12	11 0.53	+ 8 5.0	1.131	2.119	4.0	19.8
3 22	10 52.06	+ 8 45.9	1.156	2.118	9.5	20.1
4 1	10 45.70	+ 9 12.0	1.203	2.117	14.5	20.3
4 11	10 42.26	+ 9 19.8	1.270	2.118	18.7	20.6

464933 2005 UV_{213} 3 5.8 143°.47 4°.9/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 32.45	+19 5.4	2.226	3.068	11.2	21.7
2 11	11 26.54	+20 11.0	2.168	3.079	8.4	21.5
2 21	11 18.77	+21 15.4	2.136	3.089	5.9	21.4
3 2	11 9.82	+22 11.5	2.133	3.099	4.9	21.3
3 12	11 0.62	+22 53.2	2.159	3.108	6.5	21.4
3 22	10 52.07	+23 16.8	2.213	3.116	9.2	21.6
4 1	10 44.98	+23 20.9	2.292	3.124	11.8	21.8
4 11	10 39.89	+23 6.7	2.392	3.132	14.2	22.0

360221 1999 TX_{34} 3 5.8 245°.05 1°.7/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 34.52	+ 8 50.9	2.334	3.156	11.5	22.7
2 11	11 28.29	+ 9 29.8	2.226	3.131	8.5	22.5
2 21	11 20.01	+10 16.5	2.144	3.106	5.1	22.2
3 2	11 10.24	+11 6.2	2.091	3.079	1.9	22.0
3 12	10 59.82	+11 53.1	2.070	3.051	3.6	22.0
3 22	10 49.68	+12 31.8	2.079	3.021	7.4	22.2
4 1	10 40.77	+12 58.5	2.116	2.991	11.0	22.4
4 11	10 33.78	+13 10.9	2.177	2.959	14.2	22.5

337498 2001 SF_{104} 3 5.8 188°.50 2°.0/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.22	− 3 52.2	2.979	3.759	10.3	21.9
2 11	11 22.37	− 3 37.9	2.885	3.758	8.0	21.7
2 21	11 16.18	− 3 11.7	2.816	3.757	5.4	21.6
3 2	11 9.10	− 2 35.3	2.776	3.754	2.8	21.4
3 12	11 1.73	− 1 51.9	2.767	3.752	2.3	21.3
3 22	10 54.68	− 1 5.3	2.788	3.749	4.7	21.5
4 1	10 48.53	− 0 19.5	2.838	3.745	7.4	21.7
4 11	10 43.73	+ 0 21.7	2.914	3.741	9.8	21.8

435978 2009 DP_{94} 3 5.8 51°.09 4°.1/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.22	+17 1.6	2.155	3.001	11.4	21.0
2 11	11 24.95	+17 42.3	2.092	3.007	8.4	20.8
2 21	11 17.84	+18 23.0	2.055	3.014	5.5	20.6
3 2	11 9.58	+18 57.8	2.045	3.021	4.1	20.5
3 12	11 1.06	+19 21.1	2.065	3.027	5.6	20.6
3 22	10 53.19	+19 29.6	2.112	3.034	8.5	20.8
4 1	10 46.73	+19 21.7	2.184	3.042	11.4	21.0
4 11	10 42.23	+18 58.2	2.278	3.049	14.0	21.2

182052 2000 DD_{49} 3 5.8 12°.97 0°.1/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.85	+ 3 1.2	1.301	2.152	17.1	20.4
2 11	11 23.43	+ 3 37.6	1.237	2.155	12.7	20.2
2 21	11 17.37	+ 4 32.4	1.193	2.158	7.7	19.9
3 2	11 9.51	+ 5 39.2	1.173	2.162	2.1	19.6
3 12	11 1.15	+ 6 48.4	1.179	2.168	3.6	19.7
3 22	10 53.62	+ 7 50.5	1.210	2.174	9.0	20.0
4 1	10 48.09	+ 8 37.8	1.264	2.181	13.8	20.3
4 11	10 45.30	+ 9 5.9	1.338	2.188	17.8	20.6

343027 2009 BE_{126} 3 5.8 345°.84 3°.0/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.24	− 1 14.8	1.675	2.493	15.4	20.0
2 11	11 24.86	− 1 47.7	1.588	2.483	12.0	19.7
2 21	11 18.14	− 2 6.3	1.523	2.474	8.1	19.4
3 2	11 9.74	− 2 11.3	1.484	2.465	4.2	19.2
3 12	11 0.73	− 2 5.6	1.472	2.458	3.6	19.1
3 22	10 52.25	− 1 53.6	1.486	2.452	7.4	19.3
4 1	10 45.39	− 1 40.5	1.525	2.446	11.5	19.6
4 11	10 40.91	− 1 31.5	1.586	2.442	15.2	19.8

206722 2004 BH_{63} 3 5.8 304°.02 0°.4/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.83	+ 4 58.9	2.100	2.929	12.3	20.9
2 11	11 23.32	+ 5 26.8	2.017	2.925	9.1	20.7
2 21	11 16.97	+ 6 5.0	1.958	2.921	5.4	20.4
3 2	11 9.37	+ 6 49.3	1.928	2.917	1.5	20.1
3 12	11 1.37	+ 7 34.2	1.926	2.913	2.8	20.2
3 22	10 53.85	+ 8 14.3	1.953	2.909	6.7	20.5
4 1	10 47.63	+ 8 45.2	2.006	2.906	10.3	20.7
4 11	10 43.30	+ 9 4.0	2.082	2.902	13.5	20.9

236735 2007 HB_{89} 3 5.8 120°.90 1°.1/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.20	− 0 17.5	2.057	2.869	13.2	21.1
2 11	11 23.55	+ 0 13.7	1.980	2.876	10.0	20.9
2 21	11 17.08	+ 0 59.6	1.928	2.883	6.3	20.7
3 2	11 9.39	+ 1 56.4	1.903	2.889	2.3	20.5
3 12	11 1.37	+ 2 58.5	1.907	2.896	2.4	20.5
3 22	10 53.88	+ 3 59.5	1.940	2.902	6.3	20.7
4 1	10 47.74	+ 4 53.7	2.000	2.908	9.9	21.0
4 11	10 43.51	+ 5 36.8	2.084	2.914	13.1	21.2

240279 2003 AR_{16} 3 5.8 330°.07 13°.0/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.04	−28 53.6	2.080	2.714	18.3	19.1
2 11	11 26.34	−30 44.4	1.983	2.701	16.8	18.9
2 21	11 19.18	−32 10.6	1.904	2.688	15.3	18.8
3 2	11 10.10	−33 5.7	1.844	2.676	13.9	18.7
3 12	11 0.06	−33 25.9	1.806	2.664	13.1	18.6
3 22	10 50.24	−33 11.5	1.789	2.653	13.1	18.5
4 1	10 41.85	−32 26.9	1.795	2.643	14.0	18.6
4 11	10 35.84	−31 20.7	1.821	2.633	15.4	18.7

208649 2002 EQ_{124} 3 5.8 52.°92 0.°9/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 31.91	+ 1 34.1	1.266	2.106	18.1	21.1
2 11	11 27.05	+ 1 52.2	1.213	2.124	13.6	20.8
2 21	11 19.44	+ 2 28.8	1.180	2.142	8.3	20.6
3 2	11 10.07	+ 3 18.5	1.172	2.160	2.7	20.3
3 12	11 0.36	+ 4 12.8	1.190	2.179	3.3	20.4
3 22	10 51.74	+ 5 2.9	1.233	2.198	8.6	20.8
4 1	10 45.33	+ 5 41.8	1.300	2.217	13.4	21.1
4 11	10 41.82	+ 6 5.1	1.387	2.237	17.3	21.4

66015 1998 QW_{25} 3 5.8 227.°13 0.°6/ 6.4 18

2 1	11 30.58	+ 2 39.2	2.335	3.146	11.8	19.6
2 11	11 25.22	+ 2 49.6	2.241	3.138	8.9	19.4
2 21	11 18.07	+ 3 10.1	2.172	3.129	5.5	19.2
3 2	11 9.69	+ 3 38.0	2.132	3.120	1.8	18.9
3 12	11 0.87	+ 4 9.2	2.122	3.111	2.3	19.0
3 22	10 52.45	+ 4 39.2	2.142	3.101	6.0	19.2
4 1	10 45.23	+ 5 4.1	2.189	3.091	9.5	19.4
4 11	10 39.81	+ 5 20.7	2.261	3.080	12.5	19.6

85591 1998 FR_{46} 3 5.8 168.°59 5.°0/ 1.4 18

2 1	11 39.21	+21 49.8	2.373	3.201	11.1	18.6
2 11	11 31.40	+22 17.7	2.304	3.205	8.5	18.4
2 21	11 21.64	+22 41.2	2.261	3.209	6.0	18.3
3 2	11 10.65	+22 54.3	2.248	3.212	5.0	18.2
3 12	10 59.43	+22 52.5	2.266	3.214	6.3	18.3
3 22	10 48.94	+22 33.8	2.313	3.216	8.9	18.5
4 1	10 40.03	+21 58.5	2.387	3.217	11.5	18.6
4 11	10 33.25	+21 8.5	2.483	3.218	13.8	18.8

341387 2007 TA_{127} 3 5.8 31.°04 5.°4/29.6 17

2 1	11 30.57	+20 2.4	1.993	2.844	12.0	20.2
2 11	11 25.38	+20 54.2	1.933	2.848	9.1	20.0
2 21	11 18.18	+21 43.9	1.898	2.852	6.4	19.9
3 2	11 9.70	+22 24.1	1.890	2.857	5.4	19.8
3 12	11 0.94	+22 48.8	1.911	2.862	7.0	19.9
3 22	10 52.88	+22 54.5	1.957	2.867	9.8	20.1
4 1	10 46.39	+22 40.3	2.028	2.873	12.7	20.3
4 11	10 42.03	+22 7.7	2.119	2.878	15.2	20.5

436007 2009 GS_{2} 3 5.8 301.°87 4.°1/ 1.8 17

2 1	11 29.81	+16 46.9	2.167	3.013	11.3	21.0
2 11	11 24.83	+17 27.1	2.083	2.998	8.4	20.8
2 21	11 17.91	+18 8.4	2.024	2.984	5.6	20.6
3 2	11 9.66	+18 44.7	1.993	2.969	4.1	20.4
3 12	11 0.96	+19 10.2	1.991	2.955	5.7	20.5
3 22	10 52.76	+19 20.7	2.017	2.941	8.8	20.7
4 1	10 45.90	+19 14.3	2.068	2.927	11.9	20.8
4 11	10 41.02	+18 51.0	2.140	2.913	14.7	21.0

455569 2004 RL_{36} 3 5.8 178.°24 1.°8/ 4.2 18

2 1	11 33.63	+ 8 5.9	1.892	2.724	13.4	22.0
2 11	11 27.76	+ 8 53.6	1.815	2.726	9.8	21.8
2 21	11 19.70	+ 9 50.7	1.764	2.728	5.8	21.6
3 2	11 10.16	+10 50.8	1.741	2.729	2.1	21.3
3 12	11 0.18	+11 46.8	1.747	2.729	4.0	21.5
3 22	10 50.83	+12 32.3	1.782	2.728	8.1	21.7
4 1	10 43.09	+13 3.1	1.843	2.726	11.9	21.9
4 11	10 37.61	+13 17.3	1.926	2.724	15.2	22.1

404250 2013 EK_{30} 3 5.8 21.°30 3.°4/ 3.7 18

2 1	11 32.99	+11 33.0	1.225	2.087	17.1	20.5
2 11	11 28.14	+12 4.4	1.166	2.091	12.6	20.3
2 21	11 20.25	+12 43.3	1.128	2.095	7.6	20.0
3 2	11 10.34	+13 21.1	1.114	2.100	3.6	19.8
3 12	10 59.94	+13 48.7	1.125	2.106	6.0	19.9
3 22	10 50.61	+13 59.5	1.161	2.112	10.9	20.2
4 1	10 43.66	+13 50.5	1.219	2.119	15.6	20.5
4 11	10 39.83	+13 22.0	1.296	2.126	19.5	20.8

245375 2005 GU_{77} 3 5.8 334.°47 1.°1/ 4.5 17

2 1	11 24.35	+ 4 14.2	1.900	2.738	13.0	19.7
2 11	11 20.96	+ 5 29.6	1.819	2.732	9.6	19.5
2 21	11 15.65	+ 6 59.9	1.762	2.727	5.6	19.3
3 2	11 9.04	+ 8 38.6	1.733	2.722	1.6	19.0
3 12	11 1.98	+10 17.0	1.733	2.718	3.5	19.1
3 22	10 55.41	+11 46.7	1.761	2.713	7.7	19.3
4 1	10 50.17	+13 0.9	1.815	2.709	11.5	19.6
4 11	10 46.90	+13 55.7	1.892	2.706	14.8	19.8

237478 2000 GD_{37} 3 5.8 268.°01 2.°1/ 7.6 17

2 1	11 29.66	− 2 35.0	1.551	2.368	16.5	21.0
2 11	11 25.48	− 2 8.3	1.455	2.352	12.8	20.7
2 21	11 18.70	− 1 18.7	1.381	2.334	8.4	20.4
3 2	11 9.97	− 0 9.1	1.332	2.317	3.7	20.1
3 12	11 0.40	+ 1 13.5	1.310	2.299	3.2	20.0
3 22	10 51.29	+ 2 39.7	1.315	2.280	8.1	20.3
4 1	10 43.88	+ 3 59.8	1.345	2.262	13.0	20.5
4 11	10 39.08	+ 5 5.7	1.396	2.243	17.4	20.7

522739 2016 LK_{64} 3 5.8 288.°26 4.°3/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.79	− 8 32.8	2.255	3.026	13.5	20.9
2 11	11 23.30	− 8 48.6	2.158	3.017	10.9	20.7
2 21	11 16.99	− 8 47.3	2.083	3.007	8.0	20.4
3 2	11 9.42	− 8 28.9	2.034	2.998	5.3	20.3
3 12	11 1.36	− 7 56.1	2.012	2.988	4.4	20.2
3 22	10 53.66	− 7 12.9	2.020	2.979	6.3	20.3
4 1	10 47.13	− 6 24.9	2.054	2.970	9.3	20.4
4 11	10 42.40	− 5 37.9	2.113	2.961	12.3	20.6

502989 2015 FE_{76} 3 5.8 156.°58 3.°9/10.9 17

2 1	11 24.65	−11 11.1	2.517	3.272	12.7	21.1
2 11	11 20.74	−10 46.9	2.425	3.273	10.3	21.0
2 21	11 15.33	−10 3.4	2.356	3.274	7.6	20.8
3 2	11 8.92	− 9 2.0	2.314	3.275	5.0	20.6
3 12	11 2.19	− 7 46.5	2.301	3.276	3.9	20.5
3 22	10 55.85	− 6 22.4	2.317	3.277	5.5	20.6
4 1	10 50.54	− 4 56.2	2.361	3.278	8.2	20.8
4 11	10 46.78	− 3 34.1	2.431	3.279	10.9	21.0

74795 1999 SG_{14} 3 5.8 174.°43 2.°7/ 8.5 18

2 1	11 31.18	− 4 37.5	2.047	2.836	14.1	20.7
2 11	11 25.84	− 4 22.4	1.962	2.839	11.0	20.5
2 21	11 18.52	− 3 49.6	1.900	2.842	7.4	20.3
3 2	11 9.84	− 3 1.2	1.865	2.843	3.9	20.1
3 12	11 0.73	− 2 2.1	1.859	2.845	3.1	20.0
3 22	10 52.14	− 0 58.5	1.882	2.845	6.3	20.2
4 1	10 44.94	+ 0 3.1	1.933	2.845	10.0	20.4
4 11	10 39.78	+ 0 56.9	2.008	2.844	13.3	20.7

425231 2009 VQ_{97} 3 5.8 86.°71 5.°2/ 1.0 18

2 1	11 32.40	+18 45.5	1.899	2.748	12.6	21.2
2 11	11 26.75	+19 42.5	1.845	2.760	9.4	21.1
2 21	11 19.00	+20 38.2	1.816	2.772	6.4	20.9
3 2	11 9.94	+21 24.9	1.814	2.784	5.2	20.8
3 12	11 0.65	+21 56.0	1.841	2.796	6.9	21.0
3 22	10 52.15	+22 7.6	1.894	2.807	9.9	21.2
4 1	10 45.33	+21 59.0	1.971	2.819	12.9	21.4
4 11	10 40.76	+21 31.7	2.069	2.830	15.5	21.6

283635 2002 EE_{50} 3 5.8 298.°26 0.°3/ 6.1 17

2 1	11 25.75	+ 0 50.1	1.806	2.634	14.1	20.9
2 11	11 22.17	+ 1 42.6	1.713	2.619	10.6	20.6
2 21	11 16.50	+ 2 53.5	1.643	2.604	6.5	20.4
3 2	11 9.31	+ 4 18.1	1.600	2.589	2.0	20.0
3 12	11 1.55	+ 5 48.6	1.585	2.574	2.8	20.0
3 22	10 54.21	+ 7 16.2	1.599	2.560	7.5	20.3
4 1	10 48.27	+ 8 33.0	1.638	2.545	11.8	20.5
4 11	10 44.47	+ 9 33.3	1.699	2.531	15.5	20.7

437230 2012 XV_{5} 3 5.8 121.°95 0.°3/ 5.4 17

2 1	11 25.83	+ 3 55.8	2.510	3.331	10.8	21.7
2 11	11 21.54	+ 4 39.6	2.433	3.337	8.0	21.5
2 21	11 15.77	+ 5 33.2	2.381	3.343	4.7	21.3
3 2	11 9.05	+ 6 32.3	2.359	3.348	1.3	21.1
3 12	11 2.05	+ 7 32.0	2.367	3.354	2.3	21.2
3 22	10 55.48	+ 8 27.1	2.404	3.359	5.7	21.4
4 1	10 49.98	+ 9 13.6	2.469	3.364	8.8	21.6
4 11	10 46.02	+ 9 48.5	2.558	3.369	11.5	21.8

125584 2001 XU_{26} 3 5.8 110.°92 5.°5/28.7 18

2 1	11 30.91	+19 24.8	2.085	2.933	11.7	19.0
2 11	11 25.51	+20 54.3	2.038	2.951	8.7	18.9
2 21	11 18.21	+22 22.3	2.016	2.968	6.3	18.8
3 2	11 9.72	+23 40.3	2.024	2.986	5.6	18.8
3 12	11 1.01	+24 41.2	2.060	3.002	7.2	18.9
3 22	10 53.01	+25 20.9	2.123	3.018	9.9	19.1
4 1	10 46.52	+25 37.9	2.210	3.034	12.5	19.3
4 11	10 42.08	+25 33.8	2.317	3.049	14.8	19.5

331802 2003 QA_{120} 3 5.8 196.°47 2.°8/ 8.7 18

2 1	11 29.59	− 4 31.7	2.326	3.111	12.7	20.9
2 11	11 24.49	− 4 32.6	2.235	3.110	10.0	20.8
2 21	11 17.64	− 4 18.7	2.168	3.107	6.8	20.6
3 2	11 9.60	− 3 51.4	2.129	3.105	3.8	20.4
3 12	11 1.15	− 3 14.3	2.118	3.102	3.1	20.3
3 22	10 53.11	− 2 31.7	2.137	3.099	5.8	20.5
4 1	10 46.27	− 1 48.7	2.184	3.096	9.0	20.7
4 11	10 41.19	− 1 10.3	2.255	3.092	12.0	20.8

140451 2001 TQ_{121} 3 5.8 123.°31 2.°7/ 8.9 18

2 1	11 28.63	− 4 55.8	2.552	3.332	11.9	20.4
2 11	11 23.57	− 4 58.0	2.471	3.342	9.3	20.2
2 21	11 16.98	− 4 46.6	2.414	3.351	6.4	20.0
3 2	11 9.39	− 4 23.2	2.385	3.360	3.6	19.9
3 12	11 1.53	− 3 50.7	2.385	3.368	2.9	19.8
3 22	10 54.09	− 3 13.2	2.415	3.377	5.3	20.0
4 1	10 47.76	− 2 35.1	2.474	3.385	8.1	20.2
4 11	10 43.03	− 2 0.6	2.557	3.393	10.8	20.4

170143 2003 AD_{81} 3 5.8 77°.21 3°.2/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 34.66	+15 13.0	2.245	3.079	11.4	20.3
2 11	11 27.93	+15 38.8	2.197	3.107	8.4	20.1
2 21	11 19.48	+16 4.7	2.175	3.135	5.2	20.0
3 2	11 10.05	+16 25.9	2.183	3.163	3.2	19.9
3 12	11 0.56	+16 37.8	2.220	3.190	4.6	20.1
3 22	10 51.86	+16 37.8	2.287	3.217	7.5	20.3
4 1	10 44.67	+16 25.0	2.381	3.244	10.4	20.5
4 11	10 39.45	+15 59.9	2.497	3.271	12.8	20.7

34561 2000 SQ_{285} 3 5.8 287°.75 3°.6/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.48	− 8 12.9	2.372	3.146	12.8	18.8
2 11	11 21.48	− 8 3.7	2.278	3.140	10.3	18.6
2 21	11 15.84	− 7 36.9	2.206	3.135	7.4	18.4
3 2	11 9.10	− 6 53.7	2.161	3.130	4.6	18.3
3 12	11 1.97	− 5 57.5	2.145	3.125	3.6	18.2
3 22	10 55.20	− 4 53.5	2.157	3.120	5.7	18.3
4 1	10 49.53	− 3 47.5	2.197	3.114	8.7	18.5
4 11	10 45.50	− 2 45.5	2.262	3.109	11.6	18.6

323745 2005 MW_{48} 3 5.8 206°.16 5°.5/28.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.17	+18 57.3	2.146	2.994	11.4	21.0
2 11	11 25.15	+20 35.4	2.075	2.989	8.6	20.9
2 21	11 18.14	+22 14.9	2.031	2.983	6.2	20.7
3 2	11 9.76	+23 46.9	2.016	2.977	5.6	20.6
3 12	11 0.93	+25 3.2	2.029	2.971	7.4	20.7
3 22	10 52.60	+25 58.3	2.070	2.963	10.2	20.9
4 1	10 45.67	+26 29.5	2.136	2.956	13.1	21.1
4 11	10 40.76	+26 37.5	2.221	2.947	15.5	21.2

456655 2007 RY_{23} 3 5.8 167°.88 0°.6/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.40	+ 1 13.1	2.118	2.926	13.0	22.6
2 11	11 26.64	+ 1 46.3	2.037	2.932	9.8	22.4
2 21	11 18.95	+ 2 33.0	1.982	2.937	6.0	22.2
3 2	11 9.97	+ 3 29.0	1.954	2.942	2.0	21.9
3 12	11 0.61	+ 4 28.7	1.957	2.945	2.4	22.0
3 22	10 51.80	+ 5 25.9	1.989	2.948	6.5	22.2
4 1	10 44.38	+ 6 15.4	2.050	2.949	10.1	22.5
4 11	10 38.95	+ 6 53.3	2.134	2.950	13.3	22.7

352746 2008 TX_{101} 3 5.8 143°.07 0°.2/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.84	+ 2 29.9	1.586	2.414	15.7	21.9
2 11	11 27.48	+ 3 2.7	1.515	2.421	11.7	21.6
2 21	11 19.67	+ 3 51.4	1.467	2.428	7.1	21.4
3 2	11 10.20	+ 4 50.6	1.445	2.434	2.1	21.1
3 12	11 0.26	+ 5 52.6	1.451	2.440	3.1	21.2
3 22	10 51.09	+ 6 49.5	1.485	2.445	8.0	21.5
4 1	10 43.77	+ 7 35.0	1.544	2.450	12.5	21.7
4 11	10 38.99	+ 8 5.0	1.624	2.454	16.2	22.0

449124 2013 AE_{12} 3 5.8 19°.24 6°.8/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.00	+17 5.1	1.015	1.895	18.4	20.3
2 11	11 27.83	+18 0.3	0.969	1.900	13.8	20.0
2 21	11 20.22	+18 56.4	0.942	1.907	9.1	19.8
3 2	11 10.37	+19 40.8	0.937	1.916	6.8	19.7
3 12	11 0.10	+20 2.4	0.956	1.925	9.3	19.8
3 22	10 51.20	+19 55.7	0.996	1.936	13.7	20.1
4 1	10 45.07	+19 20.5	1.057	1.947	18.2	20.4
4 11	10 42.40	+18 21.1	1.133	1.960	21.9	20.7

505164 2012 SY_{16} 3 5.8 105°.20 3°.9/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.19	−11 26.2	2.599	3.347	12.5	22.0
2 11	11 21.75	−11 7.1	2.520	3.364	10.1	21.9
2 21	11 15.87	−10 29.8	2.465	3.380	7.5	21.7
3 2	11 9.09	− 9 35.7	2.437	3.396	5.0	21.6
3 12	11 2.07	− 8 28.6	2.438	3.412	3.9	21.6
3 22	10 55.49	− 7 13.7	2.468	3.427	5.4	21.7
4 1	10 49.98	− 5 56.7	2.527	3.442	7.8	21.9
4 11	10 45.99	− 4 43.4	2.612	3.457	10.3	22.0

123299 2000 UG_{111} 3 5.8 60°.51 0°.3/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.78	+ 3 22.8	1.699	2.532	14.5	19.7
2 11	11 24.21	+ 4 6.5	1.640	2.550	10.7	19.5
2 21	11 17.55	+ 5 3.9	1.605	2.567	6.4	19.3
3 2	11 9.57	+ 6 9.1	1.596	2.585	1.7	19.0
3 12	11 1.32	+ 7 14.4	1.616	2.603	3.0	19.1
3 22	10 53.83	+ 8 12.8	1.663	2.622	7.5	19.4
4 1	10 47.99	+ 8 58.6	1.736	2.640	11.4	19.7
4 11	10 44.36	+ 9 28.6	1.830	2.658	14.7	20.0

56299 1999 RT_{47} 3 5.8 186°.91 0°.4/ 6.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.04	+ 2 55.9	2.604	3.416	10.7	19.0
2 11	11 23.15	+ 3 10.4	2.519	3.416	8.0	18.8
2 21	11 16.74	+ 3 33.8	2.458	3.416	4.9	18.6
3 2	11 9.34	+ 4 3.4	2.427	3.415	1.5	18.4
3 12	11 1.64	+ 4 35.4	2.426	3.414	2.0	18.4
3 22	10 54.33	+ 5 5.9	2.455	3.413	5.4	18.7
4 1	10 48.07	+ 5 31.4	2.511	3.412	8.5	18.8
4 11	10 43.36	+ 5 49.0	2.593	3.411	11.2	19.0

341156 2007 PR_{40} 3 5.8 240°.50 3°.5/ 9.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 31.55	− 5 26.5	2.312	3.090	13.0	21.0
2 11	11 26.04	− 5 48.7	2.213	3.080	10.3	20.8
2 21	11 18.64	− 5 56.7	2.137	3.070	7.3	20.6
3 2	11 9.92	− 5 50.9	2.088	3.060	4.4	20.4
3 12	11 0.68	− 5 33.5	2.069	3.049	3.7	20.3
3 22	10 51.79	− 5 8.2	2.079	3.038	6.1	20.5
4 1	10 44.10	− 4 39.6	2.117	3.027	9.3	20.7
4 11	10 38.26	− 4 12.5	2.179	3.016	12.3	20.8

251314 2006 YE_{52} 3 5.8 84°.83 1°.8/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.23	+ 4 57.8	1.725	2.563	14.1	19.6
2 11	11 23.80	+ 6 33.6	1.668	2.582	10.3	19.4
2 21	11 17.31	+ 8 23.2	1.635	2.601	5.9	19.2
3 2	11 9.51	+10 17.9	1.631	2.619	2.0	19.0
3 12	11 1.43	+12 7.2	1.656	2.638	4.2	19.2
3 22	10 54.08	+13 42.2	1.709	2.656	8.4	19.5
4 1	10 48.33	+14 56.7	1.788	2.674	12.1	19.7
4 11	10 44.77	+15 48.4	1.889	2.691	15.3	20.0

49609 1999 FO_{29} 3 5.8 167°.00 4°.1/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.12	+17 49.0	2.368	3.211	10.6	18.6
2 11	11 24.82	+18 36.2	2.299	3.212	7.9	18.4
2 21	11 17.78	+19 23.2	2.257	3.213	5.3	18.2
3 2	11 9.64	+20 4.2	2.243	3.214	4.1	18.2
3 12	11 1.21	+20 33.8	2.258	3.215	5.6	18.3
3 22	10 53.32	+20 48.6	2.301	3.216	8.3	18.4
4 1	10 46.72	+20 47.0	2.370	3.217	11.0	18.6
4 11	10 41.94	+20 29.4	2.460	3.217	13.4	18.8

174620 2003 SB_{66} 3 5.8 211°.39 4°.2/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.79	+15 10.4	1.959	2.801	12.5	20.7
2 11	11 27.94	+16 10.3	1.880	2.794	9.3	20.5
2 21	11 19.87	+17 13.6	1.827	2.787	6.0	20.3
3 2	11 10.27	+18 12.9	1.802	2.779	4.2	20.2
3 12	11 0.17	+19 0.5	1.806	2.771	6.1	20.3
3 22	10 50.66	+19 31.1	1.838	2.762	9.5	20.5
4 1	10 42.72	+19 41.9	1.895	2.752	12.9	20.6
4 11	10 37.06	+19 33.1	1.973	2.741	15.9	20.8

203445 2001 YX_{85} 3 5.8 69°.64 1°.4/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.31	+ 6 36.9	1.366	2.212	16.7	20.5
2 11	11 28.01	+ 7 10.5	1.309	2.227	12.2	20.3
2 21	11 20.02	+ 7 56.6	1.275	2.241	7.2	20.0
3 2	11 10.30	+ 8 47.9	1.266	2.255	2.1	19.7
3 12	11 0.23	+ 9 35.9	1.284	2.270	4.2	19.9
3 22	10 51.18	+10 13.0	1.328	2.284	9.2	20.2
4 1	10 44.28	+10 34.5	1.395	2.299	13.7	20.5
4 11	10 40.20	+10 38.5	1.483	2.313	17.4	20.8

58430 1996 FZ_{1} 3 5.8 250°.79 1°.7/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.74	− 1 48.9	1.761	2.572	15.1	19.1
2 11	11 26.03	− 1 19.3	1.661	2.555	11.7	18.9
2 21	11 18.93	− 0 29.7	1.584	2.537	7.6	18.6
3 2	11 10.07	+ 0 36.8	1.533	2.518	3.1	18.2
3 12	11 0.45	+ 1 53.7	1.510	2.499	2.9	18.2
3 22	10 51.22	+ 3 13.0	1.516	2.479	7.5	18.4
4 1	10 43.51	+ 4 26.2	1.548	2.459	12.1	18.6
4 11	10 38.15	+ 5 26.6	1.602	2.438	16.1	18.8

300277 2007 LR 3 5.8 130°.28 9°.2/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 35.59	+28 59.2	1.902	2.743	12.9	21.6
2 11	11 29.32	+31 11.9	1.869	2.761	10.6	21.5
2 21	11 20.66	+33 13.7	1.861	2.779	9.3	21.5
3 2	11 10.47	+34 53.2	1.881	2.795	9.6	21.5
3 12	10 59.97	+36 2.4	1.928	2.811	11.2	21.7
3 22	10 50.38	+36 38.1	1.998	2.826	13.4	21.8
4 1	10 42.71	+36 42.0	2.090	2.840	15.6	22.0
4 11	10 37.59	+36 18.6	2.198	2.853	17.4	22.2

492315 2014 BX_{23} 3 5.8 79°.14 4°.8/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 34.31	+20 40.3	2.251	3.090	11.2	21.6
2 11	11 27.79	+21 13.9	2.200	3.108	8.5	21.5
2 21	11 19.48	+21 43.9	2.175	3.126	5.9	21.3
3 2	11 10.10	+22 4.4	2.178	3.144	4.8	21.3
3 12	11 0.60	+22 11.0	2.210	3.162	6.2	21.4
3 22	10 51.88	+22 1.5	2.271	3.180	8.7	21.6
4 1	10 44.69	+21 35.8	2.357	3.197	11.3	21.8
4 11	10 39.51	+20 55.5	2.465	3.215	13.6	22.0

437417 2013 WH_{103} 3 5.8 41°.56 1°.5/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.33	− 2 29.6	1.802	2.618	14.6	20.8
2 11	11 21.62	− 1 44.3	1.738	2.634	11.1	20.6
2 21	11 16.00	− 0 40.3	1.696	2.650	7.1	20.4
3 2	11 9.16	+ 0 37.8	1.681	2.667	2.9	20.2
3 12	11 2.04	+ 2 2.5	1.695	2.684	2.5	20.2
3 22	10 55.57	+ 3 25.7	1.736	2.701	6.5	20.5
4 1	10 50.55	+ 4 40.1	1.803	2.719	10.4	20.7
4 11	10 47.54	+ 5 40.6	1.894	2.737	13.7	21.0

271003 2002 XC_{86} 3 5.8 82°.17 9°.3/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 35.66	+28 40.5	1.688	2.534	14.0	20.1
2 11	11 29.44	+30 11.9	1.654	2.553	11.4	19.9
2 21	11 20.70	+31 31.3	1.645	2.572	9.6	19.9
3 2	11 10.47	+32 28.3	1.661	2.590	9.5	19.9
3 12	11 0.08	+32 55.9	1.703	2.609	11.1	20.0
3 22	10 50.82	+32 52.2	1.768	2.627	13.5	20.2
4 1	10 43.69	+32 19.6	1.854	2.645	15.9	20.4
4 11	10 39.26	+31 23.1	1.958	2.663	18.0	20.6

270590 2002 LP_{22} 3 5.8 334°.00 10°.3/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.14	+30 44.3	1.661	2.512	14.0	19.8
2 11	11 27.24	+32 14.4	1.606	2.503	11.8	19.6
2 21	11 19.64	+33 33.1	1.574	2.495	10.4	19.5
3 2	11 10.24	+34 29.0	1.567	2.488	10.6	19.5
3 12	11 0.37	+34 53.8	1.583	2.481	12.3	19.6
3 22	10 51.40	+34 44.4	1.622	2.475	14.8	19.7
4 1	10 44.49	+34 2.4	1.681	2.469	17.4	19.9
4 11	10 40.36	+32 52.9	1.756	2.463	19.7	20.1

501420 2013 YD_{132} 3 5.8 24°.32 0°.5/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.05	+ 3 33.6	1.990	2.813	13.1	20.6
2 11	11 25.01	+ 3 33.8	1.914	2.817	9.8	20.4
2 21	11 18.02	+ 3 44.2	1.862	2.821	6.0	20.2
3 2	11 9.76	+ 4 1.7	1.838	2.826	1.9	19.9
3 12	11 1.13	+ 4 22.1	1.842	2.831	2.5	20.0
3 22	10 53.09	+ 4 40.8	1.875	2.836	6.5	20.2
4 1	10 46.47	+ 4 53.9	1.934	2.841	10.2	20.5
4 11	10 41.88	+ 4 58.5	2.016	2.847	13.4	20.7

435341 2007 VP_{111} 3 5.8 63°.30 0°.8/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.36	+ 5 51.9	2.080	2.912	12.3	21.2
2 11	11 23.57	+ 6 27.9	2.021	2.931	9.0	21.1
2 21	11 17.05	+ 7 12.9	1.987	2.950	5.3	20.9
3 2	11 9.45	+ 8 1.9	1.980	2.969	1.5	20.6
3 12	11 1.65	+ 8 49.3	2.003	2.989	2.9	20.8
3 22	10 54.48	+ 9 29.9	2.054	3.008	6.6	21.1
4 1	10 48.68	+ 9 59.8	2.132	3.028	10.0	21.3
4 11	10 44.74	+10 17.0	2.233	3.047	12.9	21.5

495336 2014 ML_{31} 3 5.8 98°.32 3°.5/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.77	+10 21.7	1.523	2.376	14.9	20.7
2 11	11 26.03	+11 38.2	1.463	2.384	10.9	20.5
2 21	11 18.82	+13 4.2	1.427	2.393	6.5	20.3
3 2	11 10.00	+14 30.2	1.417	2.401	3.5	20.1
3 12	11 0.77	+15 45.9	1.434	2.410	5.8	20.3
3 22	10 52.38	+16 43.4	1.478	2.418	10.0	20.5
4 1	10 45.87	+17 18.4	1.546	2.426	14.0	20.8
4 11	10 41.93	+17 30.2	1.633	2.434	17.4	21.0

154034 2002 CF_{58} 3 5.9 226°.35 0°.0/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.33	+ 3 38.7	2.182	3.000	12.3	20.6
2 11	11 25.18	+ 4 0.2	2.091	2.993	9.2	20.4
2 21	11 18.15	+ 4 32.4	2.026	2.985	5.6	20.2
3 2	11 9.81	+ 5 11.8	1.988	2.977	1.6	19.9
3 12	11 1.02	+ 5 53.3	1.980	2.968	2.5	19.9
3 22	10 52.67	+ 6 32.0	2.001	2.959	6.5	20.2
4 1	10 45.58	+ 7 3.3	2.050	2.950	10.1	20.4
4 11	10 40.40	+ 7 23.8	2.122	2.940	13.3	20.5

433630 2013 YW_{132} 3 5.9 57°.48 5°.2/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.65	+19 42.7	2.112	2.962	11.5	21.1
2 11	11 24.63	+20 41.8	2.054	2.969	8.6	20.9
2 21	11 17.74	+21 39.2	2.022	2.976	6.1	20.8
3 2	11 9.66	+22 27.9	2.017	2.983	5.2	20.7
3 12	11 1.33	+23 1.8	2.041	2.990	6.8	20.8
3 22	10 53.64	+23 17.3	2.091	2.998	9.5	21.0
4 1	10 47.40	+23 13.1	2.166	3.005	12.2	21.2
4 11	10 43.16	+22 50.6	2.261	3.013	14.6	21.4

234867 2002 SS_{23} 3 5.9 128°.37 0°.5/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.22	+ 0 44.2	2.237	3.052	12.2	20.0
2 11	11 22.03	+ 1 31.2	2.157	3.056	9.1	19.8
2 21	11 16.18	+ 2 32.0	2.102	3.060	5.6	19.6
3 2	11 9.24	+ 3 42.2	2.076	3.064	1.8	19.3
3 12	11 1.97	+ 4 55.9	2.079	3.067	2.2	19.4
3 22	10 55.16	+ 6 6.8	2.111	3.071	6.0	19.6
4 1	10 49.53	+ 7 9.4	2.171	3.074	9.5	19.8
4 11	10 45.63	+ 7 59.6	2.254	3.077	12.5	20.0

20590 Bongiovanni 3 5.9 84°.32 2°.3/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.52	+ 9 44.3	1.898	2.740	12.9	19.1
2 11	11 24.69	+10 32.6	1.831	2.747	9.4	18.9
2 21	11 17.85	+11 28.3	1.788	2.754	5.5	18.7
3 2	11 9.72	+12 25.0	1.774	2.760	2.4	18.5
3 12	11 1.24	+13 15.7	1.788	2.767	4.3	18.7
3 22	10 53.41	+13 54.8	1.829	2.774	8.1	18.9
4 1	10 47.09	+14 18.7	1.896	2.780	11.6	19.1
4 11	10 42.88	+14 25.9	1.985	2.787	14.7	19.3

9680 Molina 3 5.9 52°.21 2°.3/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 33.18	− 0 23.5	1.274	2.106	18.5	17.6
2 11	11 28.17	− 0 30.1	1.212	2.116	14.2	17.3
2 21	11 20.28	− 0 17.0	1.170	2.127	9.1	17.1
3 2	11 10.45	+ 0 12.7	1.152	2.138	3.9	16.8
3 12	11 0.13	+ 0 52.3	1.160	2.149	3.5	16.8
3 22	10 50.81	+ 1 33.8	1.194	2.161	8.6	17.1
4 1	10 43.73	+ 2 9.5	1.251	2.172	13.4	17.4
4 11	10 39.64	+ 2 33.8	1.328	2.184	17.6	17.7

205477 2001 QM_{187} 3 5.9 195°.92 1°.0/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 34.25	+ 5 49.7	1.854	2.680	13.8	22.0
2 11	11 28.36	+ 6 26.7	1.771	2.678	10.3	21.7
2 21	11 20.18	+ 7 15.1	1.712	2.674	6.1	21.5
3 2	11 10.42	+ 8 9.4	1.681	2.670	1.7	21.2
3 12	11 0.13	+ 9 2.9	1.680	2.665	3.4	21.3
3 22	10 50.42	+ 9 49.0	1.707	2.660	7.9	21.5
4 1	10 42.33	+10 22.7	1.761	2.653	11.9	21.8
4 11	10 36.56	+10 41.2	1.837	2.646	15.4	22.0

286396 2001 YY_{49} 3 5.9 141°.98 2°.2/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.95	− 2 15.5	1.690	2.498	15.8	21.0
2 11	11 27.47	− 2 3.4	1.616	2.506	12.1	20.8
2 21	11 19.66	− 1 32.8	1.564	2.514	7.9	20.5
3 2	11 10.27	− 0 46.8	1.538	2.521	3.6	20.3
3 12	11 0.42	+ 0 8.7	1.540	2.528	3.1	20.3
3 22	10 51.27	+ 1 6.5	1.570	2.534	7.2	20.5
4 1	10 43.85	+ 1 59.5	1.626	2.539	11.4	20.8
4 11	10 38.87	+ 2 42.0	1.705	2.545	15.1	21.0

276915 2004 TU_{37} 3 5.9 246°.89 0°.9/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.48	+ 0 22.5	2.108	2.921	12.9	21.2
2 11	11 23.92	+ 0 51.8	2.013	2.909	9.8	21.0
2 21	11 17.46	+ 1 35.7	1.942	2.898	6.1	20.7
3 2	11 9.65	+ 2 30.8	1.899	2.886	2.2	20.4
3 12	11 1.34	+ 3 31.6	1.885	2.874	2.4	20.4
3 22	10 53.43	+ 4 32.0	1.900	2.862	6.4	20.7
4 1	10 46.77	+ 5 26.1	1.942	2.849	10.2	20.9
4 11	10 42.02	+ 6 9.1	2.008	2.836	13.6	21.1

219340 2000 QM_{34} 3 5.9 168°.76 0°.0/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 40.49	+ 6 40.1	2.116	2.926	13.0	20.2
2 11	11 32.62	+ 6 18.1	2.032	2.928	9.7	20.0
2 21	11 22.57	+ 6 1.6	1.973	2.931	5.9	19.8
3 2	11 11.07	+ 5 48.3	1.944	2.933	1.7	19.5
3 12	10 59.16	+ 5 35.0	1.947	2.934	2.6	19.6
3 22	10 47.90	+ 5 19.4	1.981	2.936	6.8	19.8
4 1	10 38.26	+ 4 59.1	2.043	2.937	10.5	20.1
4 11	10 30.89	+ 4 32.8	2.130	2.937	13.7	20.3

318512 2005 EN_{173} 3 5.9 357°.51 1°.4/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.61	+ 0 53.9	1.344	2.183	17.4	20.6
2 11	11 25.55	+ 0 59.8	1.271	2.180	13.2	20.3
2 21	11 18.76	+ 1 24.3	1.219	2.179	8.3	20.0
3 2	11 10.06	+ 2 3.6	1.191	2.178	3.1	19.7
3 12	11 0.73	+ 2 50.7	1.188	2.178	3.2	19.7
3 22	10 52.16	+ 3 37.5	1.211	2.178	8.5	20.0
4 1	10 45.60	+ 4 16.4	1.258	2.179	13.4	20.3
4 11	10 41.86	+ 4 41.7	1.324	2.181	17.6	20.5

17573 1994 PJ_{13} 3 5.9 125°.37 0°.0/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.00	+ 3 36.4	2.700	3.515	10.3	19.0
2 11	11 22.30	+ 4 9.4	2.626	3.526	7.6	18.9
2 21	11 16.21	+ 4 51.0	2.578	3.537	4.6	18.7
3 2	11 9.25	+ 5 37.9	2.559	3.548	1.3	18.5
3 12	11 2.06	+ 6 25.6	2.570	3.558	2.1	18.5
3 22	10 55.29	+ 7 10.0	2.612	3.568	5.3	18.8
4 1	10 49.54	+ 7 47.4	2.682	3.578	8.2	19.0
4 11	10 45.25	+ 8 15.3	2.776	3.587	10.7	19.2

397805 2008 RJ_{25} 3 5.9 147°.92 3°.4/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 37.06	+13 8.3	1.874	2.710	13.3	21.4
2 11	11 30.24	+13 57.4	1.810	2.722	9.8	21.2
2 21	11 21.17	+14 50.4	1.772	2.734	6.0	21.0
3 2	11 10.67	+15 40.1	1.762	2.744	3.5	20.9
3 12	10 59.85	+16 19.5	1.782	2.754	5.3	21.0
3 22	10 49.84	+16 43.7	1.830	2.763	8.9	21.2
4 1	10 41.61	+16 50.4	1.904	2.770	12.4	21.5
4 11	10 35.77	+16 39.8	1.999	2.777	15.4	21.7

425801 2011 CO_{112} 3 5.9 220°.93 0°.8/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.06	+ 1 9.2	2.267	3.076	12.2	22.1
2 11	11 24.94	+ 1 28.8	2.174	3.068	9.3	21.8
2 21	11 18.00	+ 2 0.6	2.105	3.060	5.8	21.6
3 2	11 9.81	+ 2 41.6	2.064	3.051	2.0	21.3
3 12	11 1.16	+ 3 27.2	2.053	3.042	2.3	21.3
3 22	10 52.91	+ 4 12.4	2.072	3.032	6.1	21.6
4 1	10 45.87	+ 4 52.1	2.118	3.022	9.7	21.8
4 11	10 40.65	+ 5 22.6	2.188	3.011	12.8	21.9

237644 2001 SC_{103} 3 5.9 234°.02 0°.4/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.29	+ 2 36.4	2.492	3.304	11.1	21.5
2 11	11 23.48	+ 2 56.3	2.398	3.296	8.4	21.3
2 21	11 17.06	+ 3 26.3	2.330	3.288	5.1	21.0
3 2	11 9.53	+ 4 3.4	2.291	3.279	1.6	20.8
3 12	11 1.61	+ 4 43.4	2.281	3.270	2.1	20.8
3 22	10 54.06	+ 5 21.9	2.301	3.260	5.7	21.0
4 1	10 47.58	+ 5 54.8	2.349	3.251	9.0	21.2
4 11	10 42.73	+ 6 19.0	2.422	3.241	11.8	21.4

486672 2013 SR_{75} 3 5.9 90°.86 11°.3/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 44.64	−12 54.8	1.142	1.915	23.8	21.0
2 11	11 37.36	−15 3.6	1.080	1.928	20.1	20.8
2 21	11 26.21	−16 44.5	1.035	1.941	16.1	20.6
3 2	11 12.24	−17 48.9	1.012	1.954	12.6	20.4
3 12	10 57.32	−18 13.4	1.013	1.967	11.4	20.4
3 22	10 43.57	−18 1.9	1.037	1.979	13.1	20.5
4 1	10 32.78	−17 25.2	1.084	1.991	16.4	20.8
4 11	10 26.00	−16 37.1	1.149	2.003	19.9	21.0

36904 2000 SS_{179} 3 5.9 343°.56 1°.7/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.62	+ 9 1.4	1.732	2.574	13.9	18.7
2 11	11 26.50	+ 9 21.4	1.656	2.571	10.3	18.5
2 21	11 19.10	+ 9 49.0	1.604	2.569	6.1	18.3
3 2	11 10.14	+10 18.8	1.579	2.567	2.1	18.0
3 12	11 0.71	+10 44.8	1.581	2.565	3.9	18.1
3 22	10 51.94	+11 1.6	1.611	2.564	8.3	18.4
4 1	10 44.86	+11 5.7	1.667	2.563	12.3	18.6
4 11	10 40.13	+10 55.6	1.743	2.562	15.7	18.8

497820 2006 TZ_{119} 3 5.9 79°.53 1°.0/ 7.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.60	− 0 43.8	2.304	3.113	12.0	21.9
2 11	11 21.53	− 0 3.9	2.226	3.120	9.1	21.7
2 21	11 15.88	+ 0 49.9	2.174	3.128	5.7	21.5
3 2	11 9.19	+ 1 53.9	2.149	3.135	2.1	21.3
3 12	11 2.21	+ 3 2.6	2.153	3.142	2.1	21.3
3 22	10 55.70	+ 4 10.3	2.187	3.150	5.6	21.5
4 1	10 50.32	+ 5 11.4	2.249	3.157	9.0	21.8
4 11	10 46.60	+ 6 1.8	2.335	3.164	11.9	22.0

90659 3175 $T\text{-}_3$ 3 5.9 144°.56 0°.7/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.72	+ 5 42.0	2.266	3.092	11.6	19.6
2 11	11 23.86	+ 6 13.7	2.189	3.096	8.6	19.4
2 21	11 17.29	+ 6 54.3	2.138	3.100	5.1	19.2
3 2	11 9.60	+ 7 39.6	2.114	3.103	1.4	19.0
3 12	11 1.59	+ 8 24.3	2.120	3.107	2.7	19.1
3 22	10 54.08	+ 9 3.6	2.156	3.110	6.4	19.3
4 1	10 47.80	+ 9 33.5	2.218	3.113	9.7	19.5
4 11	10 43.29	+ 9 51.6	2.304	3.116	12.6	19.7

411431 2010 WE_6 3 5.9 94°.68 3°.5/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.03	− 6 42.4	1.808	2.598	15.6	21.9
2 11	11 25.15	− 6 29.6	1.739	2.614	12.3	21.7
2 21	11 18.18	− 5 55.7	1.691	2.629	8.5	21.5
3 2	11 9.86	− 5 3.0	1.669	2.644	4.9	21.3
3 12	11 1.20	− 3 57.1	1.675	2.659	3.8	21.3
3 22	10 53.22	− 2 45.2	1.709	2.673	6.7	21.5
4 1	10 46.81	− 1 35.0	1.769	2.687	10.4	21.7
4 11	10 42.59	− 0 33.1	1.853	2.701	13.7	22.0

229082 2004 NR_6 3 5.9 159°.76 2°.6/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.11	+11 12.1	2.417	3.253	10.7	21.0
2 11	11 24.06	+12 20.5	2.347	3.259	7.8	20.8
2 21	11 17.37	+13 34.4	2.303	3.266	4.7	20.6
3 2	11 9.62	+14 47.7	2.288	3.271	2.6	20.5
3 12	11 1.57	+15 54.3	2.304	3.276	4.3	20.6
3 22	10 54.00	+16 48.9	2.350	3.281	7.3	20.8
4 1	10 47.62	+17 28.3	2.422	3.285	10.3	21.0
4 11	10 42.95	+17 51.2	2.517	3.288	12.8	21.1

241475 Martinagedeck 3 5.9 51°.79 4°.5/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.74	+17 12.2	2.095	2.945	11.5	20.5
2 11	11 24.00	+18 12.1	2.034	2.951	8.5	20.3
2 21	11 17.41	+19 12.6	1.999	2.957	5.7	20.1
3 2	11 9.63	+20 6.7	1.991	2.964	4.5	20.0
3 12	11 1.57	+20 48.1	2.012	2.970	6.2	20.2
3 22	10 54.12	+21 12.7	2.060	2.977	9.0	20.3
4 1	10 48.09	+21 18.5	2.132	2.984	11.9	20.5
4 11	10 44.01	+21 6.0	2.226	2.990	14.4	20.7

328736 2009 UC_{12} 3 5.9 222°.11 2°.3/ 8.4 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.40	− 4 24.9	2.448	3.231	12.2	22.0
2 11	11 24.40	− 4 3.9	2.345	3.220	9.5	21.8
2 21	11 17.67	− 3 27.4	2.267	3.208	6.4	21.6
3 2	11 9.74	− 2 37.2	2.216	3.195	3.3	21.4
3 12	11 1.34	− 1 37.5	2.196	3.182	2.7	21.3
3 22	10 53.26	− 0 33.4	2.205	3.167	5.6	21.5
4 1	10 46.27	+ 0 29.3	2.243	3.152	8.9	21.7
4 11	10 40.97	+ 1 25.5	2.307	3.137	12.0	21.8

224373 2005 UY_{173} 3 5.9 204°.62 1°.2/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.99	+ 7 15.6	2.299	3.124	11.5	22.1
2 11	11 25.59	+ 7 53.4	2.213	3.120	8.5	21.9
2 21	11 18.37	+ 8 39.4	2.151	3.114	5.0	21.7
3 2	11 9.93	+ 9 29.0	2.119	3.108	1.6	21.4
3 12	11 1.08	+10 16.7	2.117	3.101	3.1	21.5
3 22	10 52.66	+10 57.5	2.145	3.094	6.8	21.7
4 1	10 45.49	+11 27.5	2.200	3.086	10.2	21.9
4 11	10 40.15	+11 44.4	2.278	3.077	13.1	22.1

316642 2011 YU_{23} 3 5.9 193°.57 6°.4/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.75	+21 36.8	2.057	2.902	11.9	21.3
2 11	11 27.17	+23 14.7	1.991	2.900	9.2	21.1
2 21	11 19.44	+24 51.2	1.952	2.898	7.0	21.0
3 2	11 10.24	+26 16.9	1.941	2.894	6.6	20.9
3 12	11 0.59	+27 23.4	1.959	2.890	8.4	21.0
3 22	10 51.54	+28 5.8	2.003	2.885	11.1	21.2
4 1	10 44.04	+28 22.5	2.071	2.879	13.8	21.4
4 11	10 38.76	+28 15.1	2.158	2.873	16.2	21.5

413860 2006 UJ_{41} 3 5.9 120°.41 4°.8/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.85	−11 32.7	2.017	2.775	15.3	22.3
2 11	11 24.87	−11 20.6	1.941	2.790	12.4	22.1
2 21	11 17.97	−10 45.5	1.887	2.805	9.2	21.9
3 2	11 9.81	− 9 48.7	1.858	2.819	6.1	21.8
3 12	11 1.31	− 8 34.7	1.857	2.832	4.8	21.7
3 22	10 53.41	− 7 10.4	1.885	2.845	6.6	21.8
4 1	10 46.94	− 5 43.9	1.941	2.858	9.7	22.1
4 11	10 42.49	− 4 22.6	2.021	2.870	12.7	22.3

417517 2006 SP_{312} 3 5.9 150°.06 2°.1/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.39	+10 32.7	2.349	3.176	11.2	23.2
2 11	11 27.17	+11 16.0	2.280	3.188	8.2	23.0
2 21	11 19.21	+12 4.3	2.237	3.199	4.9	22.8
3 2	11 10.15	+12 52.2	2.224	3.210	2.2	22.6
3 12	11 0.81	+13 34.5	2.242	3.220	3.8	22.7
3 22	10 52.06	+14 6.6	2.290	3.228	7.1	23.0
4 1	10 44.65	+14 26.0	2.365	3.236	10.1	23.2
4 11	10 39.10	+14 31.6	2.463	3.244	12.8	23.4

240293 2003 EN_{60} 3 5.9 281°.64 7°.4/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 34.49	+20 11.6	1.497	2.354	14.8	20.0
2 11	11 29.41	+21 31.6	1.413	2.330	11.5	19.7
2 21	11 21.28	+22 53.5	1.352	2.306	8.4	19.5
3 2	11 10.88	+24 5.4	1.316	2.281	7.5	19.3
3 12	10 59.53	+24 55.8	1.307	2.256	9.8	19.4
3 22	10 48.78	+25 17.2	1.322	2.231	13.6	19.5
4 1	10 40.08	+25 7.0	1.358	2.205	17.6	19.7
4 11	10 34.43	+24 27.7	1.412	2.180	21.2	19.9

345690 2006 UG_{166} 3 5.9 178°.62 3°.5/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.21	+15 14.6	2.404	3.248	10.5	21.3
2 11	11 23.45	+16 5.8	2.333	3.248	7.7	21.1
2 21	11 17.03	+16 58.9	2.287	3.248	4.9	21.0
3 2	11 9.54	+17 48.4	2.271	3.248	3.5	20.9
3 12	11 1.75	+18 28.8	2.283	3.248	5.0	21.0
3 22	10 54.45	+18 56.1	2.324	3.248	7.8	21.1
4 1	10 48.34	+19 8.0	2.391	3.248	10.6	21.3
4 11	10 43.95	+19 4.2	2.480	3.248	13.0	21.5

237133 2008 UG_{27} 3 5.9 170°.96 2°.0/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.61	− 2 47.3	1.691	2.499	15.8	21.5
2 11	11 26.57	− 2 18.8	1.611	2.502	12.1	21.3
2 21	11 19.19	− 1 29.9	1.554	2.504	7.9	21.0
3 2	11 10.20	− 0 24.2	1.522	2.506	3.5	20.7
3 12	11 0.69	+ 0 51.4	1.519	2.508	3.0	20.7
3 22	10 51.82	+ 2 8.6	1.544	2.509	7.3	21.0
4 1	10 44.62	+ 3 19.2	1.595	2.509	11.6	21.2
4 11	10 39.82	+ 4 16.9	1.669	2.509	15.4	21.5

222867 2002 ES_{154} 3 5.9 167°.07 0°.7/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.92	+ 4 15.6	2.011	2.840	12.8	20.4
2 11	11 23.50	+ 5 9.4	1.933	2.841	9.4	20.2
2 21	11 17.19	+ 6 15.8	1.880	2.843	5.6	20.0
3 2	11 9.61	+ 7 29.3	1.855	2.844	1.5	19.7
3 12	11 1.64	+ 8 42.8	1.859	2.845	3.0	19.8
3 22	10 54.19	+ 9 49.6	1.891	2.845	7.1	20.1
4 1	10 48.09	+10 44.0	1.950	2.846	10.8	20.3
4 11	10 43.95	+11 22.8	2.032	2.847	14.0	20.5

423665 2005 YJ_{136} 3 5.9 42°.77 3°.4/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.01	− 3 59.7	1.761	2.563	15.5	21.0
2 11	11 26.01	− 4 18.0	1.685	2.568	12.1	20.8
2 21	11 18.79	− 4 18.8	1.631	2.574	8.3	20.6
3 2	11 10.08	− 4 3.4	1.603	2.580	4.6	20.4
3 12	11 0.91	− 3 35.5	1.602	2.586	3.8	20.3
3 22	10 52.38	− 3 0.5	1.629	2.593	7.0	20.5
4 1	10 45.46	− 2 24.7	1.681	2.600	10.8	20.8
4 11	10 40.83	− 1 53.8	1.757	2.607	14.2	21.0

453234 2008 OA_{20} 3 5.9 121°.85 1°.2/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 35.12	+ 1 24.1	1.476	2.302	16.8	21.3
2 11	11 29.36	+ 1 29.2	1.407	2.310	12.7	21.0
2 21	11 20.93	+ 1 50.6	1.359	2.317	7.9	20.8
3 2	11 10.70	+ 2 24.5	1.337	2.325	2.8	20.5
3 12	10 59.96	+ 3 4.3	1.343	2.332	3.1	20.5
3 22	10 50.08	+ 3 43.0	1.375	2.339	8.1	20.8
4 1	10 42.23	+ 4 14.3	1.433	2.345	12.8	21.1
4 11	10 37.16	+ 4 33.6	1.511	2.351	16.7	21.3

182073 2000 GZ_{81} 3 5.9 353°.73 6°.9/13.1 18

2 1	11 19.88	−16 31.3	1.292	2.075	21.1	19.6
2 11	11 18.52	−15 49.1	1.209	2.068	17.7	19.3
2 21	11 14.64	−14 22.8	1.143	2.063	13.6	19.0
3 2	11 8.96	−12 12.1	1.099	2.059	9.4	18.8
3 12	11 2.64	− 9 24.8	1.079	2.056	6.9	18.6
3 22	10 56.98	− 6 16.3	1.084	2.055	8.6	18.7
4 1	10 53.16	− 3 6.0	1.114	2.055	12.9	19.0
4 11	10 51.99	− 0 11.9	1.168	2.056	17.2	19.2

338341 2002 WA_{19} 3 5.9 210°.79 4°.5/29.4 18

2 1	11 31.41	+20 35.8	2.665	3.502	9.8	21.0
2 11	11 25.70	+21 24.7	2.589	3.496	7.4	20.8
2 21	11 18.35	+22 11.7	2.540	3.489	5.3	20.7
3 2	11 9.92	+22 51.3	2.520	3.482	4.6	20.6
3 12	11 1.18	+23 18.5	2.529	3.475	5.9	20.7
3 22	10 52.89	+23 30.4	2.568	3.467	8.2	20.8
4 1	10 45.78	+23 25.6	2.632	3.459	10.7	21.0
4 11	10 40.37	+23 4.9	2.718	3.450	12.8	21.1

258851 2002 PC_{99} 3 5.9 168°.67 0°.0/ 5.9 17

2 1	11 34.00	+ 4 0.2	2.207	3.020	12.4	21.4
2 11	11 27.79	+ 4 16.8	2.127	3.025	9.2	21.2
2 21	11 19.68	+ 4 43.1	2.071	3.029	5.6	20.9
3 2	11 10.32	+ 5 15.6	2.044	3.033	1.6	20.7
3 12	11 0.58	+ 5 49.5	2.048	3.036	2.5	20.7
3 22	10 51.39	+ 6 20.3	2.082	3.038	6.4	21.0
4 1	10 43.58	+ 6 43.8	2.143	3.039	9.9	21.2
4 11	10 37.74	+ 6 57.5	2.229	3.040	13.0	21.4

109884 2001 SO_{7} 3 5.9 130°.40 1°.7/ 7.6 18

2 1	11 29.11	− 2 17.4	1.953	2.758	14.0	20.3
2 11	11 24.39	− 1 46.2	1.876	2.766	10.7	20.1
2 21	11 17.72	− 0 57.6	1.823	2.774	6.9	19.8
3 2	11 9.77	+ 0 4.5	1.797	2.781	3.0	19.6
3 12	11 1.44	+ 1 14.2	1.800	2.788	2.6	19.6
3 22	10 53.69	+ 2 24.5	1.831	2.795	6.4	19.8
4 1	10 47.35	+ 3 28.7	1.890	2.801	10.2	20.1
4 11	10 43.04	+ 4 21.7	1.972	2.807	13.5	20.3

371956 2008 FA_{39} 3 5.9 301°.10 0°.9/ 5.1 17

2 1	11 27.09	+ 4 5.5	1.609	2.450	14.8	21.7
2 11	11 23.49	+ 4 59.4	1.519	2.433	11.1	21.4
2 21	11 17.50	+ 6 10.5	1.452	2.417	6.6	21.1
3 2	11 9.78	+ 7 32.8	1.411	2.400	1.8	20.8
3 12	11 1.36	+ 8 57.2	1.397	2.384	3.7	20.9
3 22	10 53.41	+10 14.6	1.410	2.367	8.7	21.1
4 1	10 47.07	+11 16.9	1.448	2.351	13.3	21.3
4 11	10 43.14	+11 59.4	1.506	2.336	17.2	21.5

22628 Michaelallen 3 5.9 237°.76 1°.2/ 4.7 17

2 1	11 30.80	+ 5 55.0	1.898	2.729	13.3	19.4
2 11	11 25.88	+ 6 43.3	1.808	2.718	9.9	19.2
2 21	11 18.77	+ 7 44.1	1.742	2.705	5.9	18.9
3 2	11 10.11	+ 8 51.6	1.703	2.692	1.7	18.6
3 12	11 0.86	+ 9 58.5	1.694	2.679	3.6	18.7
3 22	10 52.07	+10 57.6	1.713	2.665	7.9	19.0
4 1	10 44.73	+11 43.3	1.758	2.650	12.0	19.2
4 11	10 39.58	+12 12.3	1.825	2.635	15.5	19.4

454188 2013 GN_{82} 3 5.9 332°.17 5°.4/ 1.4 18

2 1	11 30.03	+14 32.1	1.379	2.243	15.4	20.4
2 11	11 25.91	+15 52.4	1.313	2.239	11.4	20.1
2 21	11 19.01	+17 19.3	1.270	2.235	7.4	19.9
3 2	11 10.19	+18 41.7	1.252	2.231	5.4	19.8
3 12	11 0.78	+19 48.2	1.260	2.227	7.9	19.9
3 22	10 52.18	+20 30.7	1.293	2.224	12.0	20.1
4 1	10 45.64	+20 45.5	1.348	2.221	16.1	20.4
4 11	10 41.95	+20 33.6	1.420	2.219	19.7	20.6

212927 2008 AL_{95} 3 5.9 326°.25 0°.1/ 5.8 17

2 1	11 26.58	+ 3 57.5	2.167	2.993	12.1	20.5
2 11	11 22.44	+ 4 24.0	2.081	2.987	9.0	20.3
2 21	11 16.54	+ 5 1.3	2.019	2.981	5.4	20.0
3 2	11 9.44	+ 5 45.5	1.986	2.975	1.5	19.8
3 12	11 1.95	+ 6 31.5	1.981	2.969	2.5	19.8
3 22	10 54.88	+ 7 14.0	2.005	2.963	6.4	20.1
4 1	10 49.03	+ 7 48.4	2.055	2.958	10.0	20.3
4 11	10 44.98	+ 8 11.4	2.128	2.953	13.0	20.5

84151 2002 RB_{73} 3 5.9 192°.80 0°.7/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 34.79	+ 1 56.7	1.582	2.405	16.0	20.7
2 11	11 29.12	+ 2 13.6	1.502	2.404	12.1	20.4
2 21	11 20.83	+ 2 46.5	1.444	2.403	7.5	20.1
3 2	11 10.71	+ 3 31.0	1.413	2.401	2.4	19.8
3 12	10 59.97	+ 4 20.6	1.409	2.398	3.0	19.9
3 22	10 49.91	+ 5 7.8	1.433	2.395	8.1	20.1
4 1	10 41.72	+ 5 46.2	1.483	2.391	12.7	20.4
4 11	10 36.19	+ 6 11.1	1.554	2.386	16.6	20.6

208434 2001 TM_{85} 3 5.9 188°.83 0°.7/ 6.7 18

2 1	11 29.13	+ 1 57.4	2.672	3.477	10.7	21.0
2 11	11 23.97	+ 2 9.3	2.584	3.477	8.0	20.8
2 21	11 17.31	+ 2 30.4	2.521	3.476	5.0	20.6
3 2	11 9.65	+ 2 58.3	2.487	3.474	1.7	20.4
3 12	11 1.67	+ 3 29.4	2.484	3.472	2.0	20.4
3 22	10 54.07	+ 3 59.8	2.511	3.470	5.2	20.6
4 1	10 47.50	+ 4 26.1	2.566	3.468	8.3	20.8
4 11	10 42.47	+ 4 45.4	2.646	3.465	11.0	21.0

270157 2001 SR_{131} 3 5.9 201°.58 0°.3/ 6.2 16

2 1	11 31.03	+ 2 30.9	2.327	3.137	11.9	22.3
2 11	11 25.61	+ 2 58.2	2.236	3.133	8.9	22.1
2 21	11 18.41	+ 3 36.8	2.170	3.128	5.5	21.9
3 2	11 9.98	+ 4 23.1	2.134	3.122	1.7	21.6
3 12	11 1.13	+ 5 12.2	2.127	3.115	2.3	21.7
3 22	10 52.70	+ 5 59.1	2.150	3.108	6.1	21.9
4 1	10 45.47	+ 6 39.1	2.202	3.100	9.6	22.1
4 11	10 40.05	+ 7 8.7	2.277	3.092	12.6	22.3

153998 2002 AC_{181} 3 5.9 56°.53 7°.7/28.8 18

2 1	11 35.62	+24 13.6	1.611	2.463	14.3	18.8
2 11	11 29.47	+25 14.1	1.568	2.478	11.1	18.6
2 21	11 20.81	+26 7.1	1.548	2.493	8.5	18.5
3 2	11 10.62	+26 43.0	1.554	2.508	7.8	18.5
3 12	11 0.26	+26 54.8	1.586	2.523	9.4	18.6
3 22	10 51.00	+26 40.4	1.643	2.539	12.2	18.8
4 1	10 43.87	+26 1.1	1.722	2.555	15.1	19.1
4 11	10 39.43	+25 1.1	1.820	2.571	17.7	19.3

81667 2000 HC_{96} 3 5.9 215°.21 4°.0/10.4 18

2 1	11 27.68	− 9 18.2	2.480	3.241	12.7	19.7
2 11	11 23.10	− 9 21.1	2.385	3.237	10.3	19.5
2 21	11 16.88	− 9 7.1	2.312	3.233	7.5	19.3
3 2	11 9.55	− 8 36.8	2.265	3.228	5.0	19.1
3 12	11 1.82	− 7 53.0	2.248	3.224	4.0	19.1
3 22	10 54.44	− 7 0.0	2.259	3.218	5.7	19.2
4 1	10 48.13	− 6 3.2	2.299	3.213	8.5	19.3
4 11	10 43.46	− 5 8.2	2.363	3.208	11.3	19.5

86147 1999 RB_{196} 3 5.9 63°.87 6°.3/11.0 18

2 1	11 33.88	−11 0.0	1.831	2.592	16.5	18.7
2 11	11 28.01	−11 50.6	1.764	2.611	13.5	18.5
2 21	11 19.94	−12 19.9	1.718	2.630	10.3	18.3
3 2	11 10.41	−12 26.8	1.697	2.649	7.4	18.2
3 12	11 0.51	−12 13.2	1.703	2.669	6.3	18.2
3 22	10 51.33	−11 43.8	1.736	2.688	7.8	18.3
4 1	10 43.82	−11 5.0	1.796	2.707	10.6	18.5
4 11	10 38.64	−10 24.2	1.878	2.727	13.5	18.7

179974 2002 XE_{37} 3 5.9 71°.27 6°.2/ 1.4 18

2 1	11 37.47	+20 29.0	1.612	2.461	14.4	19.3
2 11	11 30.75	+21 14.0	1.566	2.479	10.9	19.1
2 21	11 21.53	+21 54.8	1.544	2.498	7.6	19.0
3 2	11 10.83	+22 22.8	1.548	2.516	6.2	18.9
3 12	10 59.98	+22 31.5	1.579	2.534	7.9	19.1
3 22	10 50.25	+22 18.2	1.637	2.552	11.0	19.3
4 1	10 42.66	+21 43.6	1.718	2.571	14.3	19.5
4 11	10 37.77	+20 50.9	1.819	2.589	17.0	19.8

455578 2004 RA_{216} 3 5.9 145°.31 3°.8/ 9.4 18

2 1	11 34.78	− 7 6.7	2.076	2.845	14.5	22.3
2 11	11 28.47	− 7 10.1	1.997	2.860	11.5	22.1
2 21	11 20.13	− 6 55.2	1.942	2.873	8.1	21.9
3 2	11 10.47	− 6 23.2	1.914	2.885	4.9	21.7
3 12	11 0.43	− 5 38.0	1.916	2.896	3.9	21.7
3 22	10 51.00	− 4 45.1	1.947	2.906	6.4	21.9
4 1	10 43.06	− 3 50.7	2.005	2.916	9.8	22.1
4 11	10 37.23	− 3 0.9	2.089	2.924	12.9	22.3

348503 2005 TC_{85} 3 5.9 4°.08 2°.5/ 7.6 18

2 1	11 27.53	− 1 48.2	1.094	1.940	19.9	20.2
2 11	11 24.50	− 1 39.1	1.028	1.939	15.4	19.9
2 21	11 18.38	− 1 3.8	0.980	1.939	10.0	19.6
3 2	11 10.06	− 0 6.0	0.954	1.940	4.4	19.3
3 12	11 1.04	+ 1 5.3	0.952	1.942	3.8	19.3
3 22	10 52.92	+ 2 18.8	0.973	1.944	9.3	19.6
4 1	10 47.11	+ 3 23.2	1.017	1.948	14.8	19.9
4 11	10 44.48	+ 4 10.6	1.079	1.953	19.4	20.2

290348 2005 SZ_{248} 3 5.9 183°.57 0°.3/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.22	+ 2 29.2	2.063	2.881	12.9	22.1
2 11	11 25.18	+ 2 57.9	1.981	2.881	9.7	21.9
2 21	11 18.21	+ 3 39.0	1.923	2.881	5.9	21.7
3 2	11 9.94	+ 4 28.8	1.892	2.881	1.8	21.4
3 12	11 1.26	+ 5 21.4	1.892	2.880	2.5	21.5
3 22	10 53.08	+ 6 11.1	1.920	2.879	6.6	21.7
4 1	10 46.27	+ 6 52.7	1.975	2.877	10.3	21.9
4 11	10 41.43	+ 7 22.6	2.053	2.876	13.5	22.1

78321 2002 PC_{79} 3 5.9 154°.11 3°.4/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.11	+12 45.6	2.019	2.859	12.3	19.7
2 11	11 26.56	+13 50.2	1.953	2.867	9.0	19.5
2 21	11 19.00	+14 59.7	1.912	2.874	5.5	19.3
3 2	11 10.15	+16 6.9	1.899	2.881	3.4	19.2
3 12	11 0.96	+17 4.4	1.917	2.887	5.2	19.3
3 22	10 52.40	+17 47.0	1.962	2.892	8.6	19.6
4 1	10 45.34	+18 11.4	2.033	2.897	11.9	19.8
4 11	10 40.39	+18 17.4	2.126	2.901	14.7	20.0

172158 2002 NS_{28} 3 5.9 180°.52 0°.4/ 6.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.35	+ 1 52.6	1.938	2.755	13.7	21.1
2 11	11 26.13	+ 2 22.5	1.857	2.757	10.3	20.9
2 21	11 18.83	+ 3 6.4	1.799	2.757	6.3	20.7
3 2	11 10.13	+ 4 0.0	1.769	2.757	2.0	20.4
3 12	11 0.98	+ 4 57.2	1.768	2.757	2.6	20.4
3 22	10 52.38	+ 5 51.7	1.796	2.756	6.9	20.7
4 1	10 45.24	+ 6 37.6	1.851	2.755	10.8	20.9
4 11	10 40.23	+ 7 11.1	1.929	2.753	14.2	21.1

166968 2003 OQ_{2} 3 5.9 211°.51 4°.4/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.68	+14 40.2	1.849	2.695	13.0	20.6
2 11	11 27.30	+15 52.8	1.773	2.689	9.6	20.4
2 21	11 19.63	+17 10.2	1.722	2.683	6.2	20.2
3 2	11 10.38	+18 24.0	1.699	2.677	4.4	20.1
3 12	11 0.60	+19 25.6	1.705	2.669	6.4	20.2
3 22	10 51.42	+20 8.7	1.738	2.661	10.0	20.4
4 1	10 43.86	+20 30.0	1.796	2.653	13.5	20.6
4 11	10 38.65	+20 29.5	1.873	2.644	16.6	20.8

33210 Johnrobertson 3 5.9 75°.92 0°.6/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.76	+ 3 44.6	1.842	2.674	13.6	18.8
2 11	11 23.52	+ 4 36.9	1.769	2.678	10.1	18.6
2 21	11 17.27	+ 5 43.1	1.719	2.682	6.0	18.4
3 2	11 9.69	+ 6 57.2	1.697	2.687	1.6	18.1
3 12	11 1.70	+ 8 11.7	1.704	2.691	3.1	18.2
3 22	10 54.31	+ 9 19.3	1.738	2.695	7.4	18.5
4 1	10 48.38	+10 14.0	1.799	2.699	11.3	18.7
4 11	10 44.54	+10 52.3	1.882	2.704	14.6	19.0

359706 2011 SL_{257} 3 5.9 16°.77 0°.9/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.87	+ 0 4.4	1.258	2.101	18.1	20.9
2 11	11 24.39	+ 0 41.4	1.191	2.103	13.7	20.7
2 21	11 18.14	+ 1 41.5	1.144	2.106	8.5	20.4
3 2	11 9.98	+ 2 58.8	1.121	2.109	2.9	20.1
3 12	11 1.24	+ 4 23.2	1.123	2.113	3.3	20.1
3 22	10 53.33	+ 5 43.7	1.151	2.117	8.9	20.4
4 1	10 47.49	+ 6 50.8	1.201	2.122	13.9	20.7
4 11	10 44.50	+ 7 38.1	1.272	2.128	18.2	21.0

43878 1995 BS_{11} 3 5.9 89°.82 0°.4/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.90	+ 4 54.2	2.075	2.903	12.5	18.9
2 11	11 24.15	+ 5 23.3	2.000	2.907	9.2	18.7
2 21	11 17.56	+ 6 2.6	1.950	2.912	5.5	18.5
3 2	11 9.76	+ 6 47.7	1.927	2.916	1.5	18.2
3 12	11 1.62	+ 7 33.0	1.934	2.921	2.7	18.3
3 22	10 54.01	+ 8 13.2	1.969	2.925	6.7	18.6
4 1	10 47.76	+ 8 44.0	2.031	2.930	10.2	18.8
4 11	10 43.41	+ 9 2.6	2.115	2.934	13.3	19.0

318504 2005 EV_{150} 3 5.9 272°.98 2°.0/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.18	+ 9 25.9	2.157	2.995	11.7	20.6
2 11	11 23.66	+10 9.7	2.074	2.988	8.6	20.3
2 21	11 17.31	+11 0.7	2.017	2.981	5.1	20.1
3 2	11 9.71	+11 53.8	1.987	2.974	2.1	19.9
3 12	11 1.70	+12 42.7	1.987	2.967	3.9	20.0
3 22	10 54.15	+13 22.2	2.015	2.960	7.4	20.2
4 1	10 47.87	+13 48.5	2.069	2.952	10.8	20.4
4 11	10 43.45	+13 59.7	2.146	2.945	13.8	20.6

450988 2008 SO_{303} 3 5.9 55°.12 0°.8/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.37	− 0 16.3	1.244	2.084	18.4	21.1
2 11	11 25.38	+ 0 32.2	1.187	2.097	13.8	20.9
2 21	11 18.65	+ 1 44.0	1.150	2.111	8.5	20.6
3 2	11 10.11	+ 3 12.1	1.138	2.126	2.8	20.3
3 12	11 1.16	+ 4 45.3	1.151	2.141	3.3	20.4
3 22	10 53.18	+ 6 12.2	1.190	2.156	8.8	20.7
4 1	10 47.34	+ 7 23.5	1.253	2.171	13.7	21.1
4 11	10 44.35	+ 8 13.7	1.335	2.187	17.8	21.4

85028 2729 $P\text{–}L$ 3 5.9 298°.27 1°.5/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.78	− 0 59.1	1.648	2.471	15.4	18.9
2 11	11 24.05	− 0 34.6	1.547	2.448	11.9	18.6
2 21	11 17.92	+ 0 10.0	1.469	2.425	7.7	18.3
3 2	11 9.97	+ 1 11.5	1.416	2.402	3.1	18.0
3 12	11 1.22	+ 2 23.7	1.390	2.379	2.9	17.9
3 22	10 52.84	+ 3 38.1	1.390	2.356	7.8	18.1
4 1	10 45.99	+ 4 46.2	1.416	2.333	12.5	18.3
4 11	10 41.54	+ 5 41.0	1.464	2.311	16.7	18.5

288597 2004 JP_{33} 3 5.9 282°.95 0°.1/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.76	+ 2 26.3	1.394	2.234	16.7	21.5
2 11	11 25.89	+ 3 10.0	1.303	2.216	12.7	21.2
2 21	11 19.20	+ 4 14.7	1.234	2.197	7.7	20.8
3 2	11 10.36	+ 5 34.7	1.189	2.178	2.2	20.4
3 12	11 0.61	+ 7 0.8	1.171	2.159	3.7	20.5
3 22	10 51.35	+ 8 21.9	1.179	2.140	9.4	20.7
4 1	10 43.96	+ 9 28.5	1.210	2.121	14.7	21.0
4 11	10 39.44	+10 14.4	1.261	2.103	19.2	21.2

381255 2007 TQ_{138} 3 5.9 55°.82 0°.1/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 34.56	+ 5 28.9	1.958	2.780	13.4	20.1
2 11	11 28.24	+ 5 17.9	1.897	2.800	9.9	19.9
2 21	11 19.94	+ 5 15.0	1.860	2.820	6.0	19.7
3 2	11 10.43	+ 5 17.1	1.852	2.840	1.7	19.4
3 12	11 0.72	+ 5 20.4	1.872	2.861	2.6	19.5
3 22	10 51.77	+ 5 21.3	1.922	2.881	6.6	19.8
4 1	10 44.43	+ 5 16.9	1.999	2.902	10.2	20.1
4 11	10 39.24	+ 5 5.2	2.099	2.922	13.3	20.3

242187 2003 KR_{18} 3 5.9 220°.13 2°.3/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.37	− 4 47.0	2.620	3.392	11.8	23.4
2 11	11 26.55	− 4 26.1	2.510	3.378	9.2	23.2
2 21	11 19.00	− 3 50.2	2.424	3.362	6.3	22.9
3 2	11 10.22	− 3 1.0	2.367	3.345	3.3	22.7
3 12	11 0.93	− 2 2.2	2.342	3.327	2.6	22.6
3 22	10 51.92	− 0 58.8	2.348	3.308	5.5	22.8
4 1	10 43.94	+ 0 4.0	2.383	3.287	8.7	23.0
4 11	10 37.61	+ 1 0.9	2.444	3.266	11.7	23.1

65945 1998 FZ_{100} 3 5.9 350°.98 3°.7/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.66	− 7 29.2	2.047	2.833	14.2	19.5
2 11	11 21.90	− 7 23.9	1.959	2.830	11.3	19.3
2 21	11 16.30	− 6 59.2	1.894	2.828	8.1	19.1
3 2	11 9.45	− 6 16.4	1.854	2.826	4.9	18.9
3 12	11 2.17	− 5 19.6	1.842	2.824	3.8	18.8
3 22	10 55.33	− 4 14.8	1.858	2.823	6.2	19.0
4 1	10 49.75	− 3 8.5	1.901	2.822	9.6	19.2
4 11	10 46.05	− 2 7.5	1.967	2.821	12.8	19.4

160099 2000 QR_{229} 3 5.9 117°.72 1°.3/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 35.52	+ 7 24.4	1.628	2.463	15.0	19.9
2 11	11 29.42	+ 7 48.4	1.563	2.474	11.1	19.7
2 21	11 20.87	+ 8 21.8	1.522	2.485	6.5	19.5
3 2	11 10.74	+ 8 59.0	1.507	2.496	2.0	19.2
3 12	11 0.23	+ 9 33.1	1.521	2.506	3.8	19.4
3 22	10 50.58	+ 9 58.5	1.562	2.516	8.3	19.6
4 1	10 42.84	+10 11.0	1.629	2.525	12.5	19.9
4 11	10 37.66	+10 9.1	1.717	2.534	16.0	20.2

341719 2007 VV_{211} 3 5.9 31°.70 2°.8/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.15	− 5 49.6	2.205	2.993	13.2	20.8
2 11	11 22.10	− 5 31.7	2.119	2.994	10.4	20.6
2 21	11 16.35	− 4 56.3	2.057	2.996	7.2	20.4
3 2	11 9.45	− 4 5.5	2.021	2.997	4.0	20.2
3 12	11 2.18	− 3 3.7	2.013	2.998	3.1	20.1
3 22	10 55.35	− 1 56.8	2.035	3.000	5.8	20.3
4 1	10 49.71	− 0 51.0	2.084	3.001	9.1	20.5
4 11	10 45.82	+ 0 8.1	2.157	3.003	12.1	20.7

421632 2014 ON_{297} 3 5.9 256°.39 1°.1/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.29	+ 4 52.7	1.650	2.486	14.7	21.6
2 11	11 25.83	+ 5 44.4	1.562	2.474	11.0	21.3
2 21	11 18.92	+ 6 51.6	1.497	2.461	6.5	21.0
3 2	11 10.26	+ 8 8.2	1.459	2.448	1.9	20.7
3 12	11 0.90	+ 9 25.5	1.449	2.435	3.8	20.8
3 22	10 52.06	+10 34.6	1.466	2.421	8.7	21.0
4 1	10 44.87	+11 28.7	1.508	2.407	13.2	21.3
4 11	10 40.13	+12 3.7	1.571	2.393	17.0	21.5

296338 2009 EL_{29} 3 5.9 257°.29 1°.6/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.89	+ 6 59.3	1.865	2.699	13.4	21.4
2 11	11 26.08	+ 7 49.6	1.769	2.681	9.9	21.1
2 21	11 19.00	+ 8 52.0	1.698	2.662	5.9	20.8
3 2	11 10.28	+10 0.7	1.655	2.643	2.0	20.5
3 12	11 0.87	+11 7.9	1.640	2.623	4.0	20.6
3 22	10 51.88	+12 6.2	1.654	2.603	8.4	20.8
4 1	10 44.34	+12 49.9	1.693	2.582	12.5	21.0
4 11	10 39.04	+13 15.7	1.754	2.561	16.1	21.2

157200 2004 RC_9 3 5.9 170°.24 0°.1/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.02	+ 1 52.1	2.039	2.859	13.0	20.1
2 11	11 23.59	+ 2 37.5	1.959	2.861	9.7	19.9
2 21	11 17.29	+ 3 36.9	1.903	2.862	5.9	19.6
3 2	11 9.74	+ 4 45.7	1.874	2.863	1.7	19.4
3 12	11 1.79	+ 5 57.5	1.875	2.864	2.5	19.4
3 22	10 54.34	+ 7 5.3	1.905	2.864	6.6	19.7
4 1	10 48.21	+ 8 3.5	1.962	2.865	10.4	19.9
4 11	10 44.01	+ 8 47.9	2.042	2.865	13.6	20.1

193914 2001 QA_{261} 3 5.9 173°.42 2°.4/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 34.48	− 2 14.7	1.757	2.560	15.5	20.7
2 11	11 28.67	− 2 12.4	1.676	2.563	12.0	20.5
2 21	11 20.49	− 1 52.8	1.617	2.565	7.9	20.2
3 2	11 10.68	− 1 18.2	1.585	2.567	3.7	20.0
3 12	11 0.33	− 0 33.5	1.581	2.568	3.2	20.0
3 22	10 50.61	+ 0 14.7	1.605	2.568	7.2	20.2
4 1	10 42.58	+ 0 59.9	1.656	2.568	11.3	20.4
4 11	10 36.96	+ 1 36.5	1.730	2.568	15.0	20.7

2165 Young 3 5.9 103°.11 0°.2/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.30	+ 4 17.0	2.473	3.291	11.0	16.5
2 11	11 23.39	+ 4 48.3	2.404	3.307	8.1	16.4
2 21	11 16.97	+ 5 28.4	2.362	3.322	4.8	16.2
3 2	11 9.61	+ 6 13.4	2.348	3.337	1.3	16.0
3 12	11 2.03	+ 6 58.7	2.364	3.352	2.3	16.1
3 22	10 54.94	+ 7 39.9	2.410	3.366	5.7	16.3
4 1	10 49.00	+ 8 13.2	2.484	3.380	8.7	16.5
4 11	10 44.66	+ 8 36.2	2.582	3.394	11.4	16.7

396784 2004 EG_{70} 3 5.9 206°.57 1°.9/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 37.14	+ 8 48.4	1.537	2.375	15.6	21.2
2 11	11 30.97	+ 9 9.7	1.459	2.372	11.5	20.9
2 21	11 22.03	+ 9 40.0	1.405	2.369	6.9	20.6
3 2	11 11.14	+10 13.1	1.377	2.365	2.3	20.3
3 12	10 59.62	+10 41.8	1.376	2.361	4.4	20.4
3 22	10 48.87	+10 59.9	1.404	2.356	9.3	20.7
4 1	10 40.15	+11 3.6	1.455	2.351	13.8	21.0
4 11	10 34.25	+10 51.4	1.528	2.345	17.6	21.2

158244 2001 TL_{47} 3 5.9 200°.10 4°.2/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 34.11	+13 56.9	1.864	2.707	13.1	20.7
2 11	11 28.36	+15 7.8	1.788	2.703	9.7	20.5
2 21	11 20.28	+16 24.0	1.737	2.699	6.1	20.2
3 2	11 10.62	+17 37.3	1.715	2.693	4.2	20.1
3 12	11 0.43	+18 39.0	1.721	2.687	6.2	20.2
3 22	10 50.86	+19 23.0	1.755	2.680	9.8	20.4
4 1	10 42.93	+19 45.8	1.814	2.673	13.3	20.6
4 11	10 37.35	+19 47.3	1.894	2.664	16.4	20.8

99100 2001 FM_{49} 3 5.9 201°.78 0°.5/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.83	+ 2 0.2	2.143	2.960	12.6	19.7
2 11	11 24.12	+ 2 24.1	2.059	2.959	9.4	19.4
2 21	11 17.59	+ 3 0.2	2.000	2.957	5.8	19.2
3 2	11 9.83	+ 3 45.0	1.968	2.956	1.9	19.0
3 12	11 1.67	+ 4 33.3	1.966	2.954	2.3	19.0
3 22	10 53.98	+ 5 19.7	1.992	2.953	6.3	19.2
4 1	10 47.57	+ 5 59.3	2.046	2.951	9.9	19.4
4 11	10 43.02	+ 6 28.3	2.123	2.949	13.0	19.6

148521 2001 PL_{46} 3 5.9 128°.56 5°.3/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.24	+19 21.1	2.164	3.007	11.4	21.1
2 11	11 26.54	+20 44.8	2.112	3.024	8.6	20.9
2 21	11 18.95	+22 7.1	2.087	3.039	6.1	20.8
3 2	11 10.19	+23 20.2	2.091	3.054	5.4	20.8
3 12	11 1.17	+24 17.0	2.124	3.068	7.0	20.9
3 22	10 52.84	+24 53.6	2.185	3.082	9.6	21.1
4 1	10 45.98	+25 8.6	2.270	3.095	12.2	21.3
4 11	10 41.15	+25 3.2	2.375	3.107	14.5	21.5

98638 2000 WJ_{118} 3 5.9 145°.30 1°.2/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.96	+ 6 49.6	1.904	2.732	13.5	20.2
2 11	11 28.01	+ 7 26.4	1.834	2.742	9.9	19.9
2 21	11 19.94	+ 8 12.6	1.789	2.752	5.8	19.7
3 2	11 10.50	+ 9 2.7	1.772	2.761	1.8	19.5
3 12	11 0.70	+ 9 50.2	1.784	2.769	3.4	19.6
3 22	10 51.59	+10 29.3	1.825	2.777	7.6	19.9
4 1	10 44.09	+10 56.1	1.893	2.784	11.3	20.1
4 11	10 38.80	+11 8.3	1.983	2.790	14.5	20.3

149640 2004 FX_9 3 5.9 94°.40 0°.0/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.14	+ 2 0.1	1.336	2.174	17.5	20.6
2 11	11 27.36	+ 2 46.0	1.274	2.185	13.0	20.4
2 21	11 19.84	+ 3 51.4	1.233	2.196	7.9	20.1
3 2	11 10.50	+ 5 9.4	1.218	2.207	2.3	19.8
3 12	11 0.70	+ 6 29.7	1.229	2.217	3.5	19.9
3 22	10 51.82	+ 7 42.4	1.266	2.228	8.9	20.3
4 1	10 45.06	+ 8 39.6	1.327	2.238	13.7	20.6
4 11	10 41.13	+ 9 16.9	1.409	2.248	17.7	20.8

318695 2005 QH_{76} 3 5.9 161°.99 7°.6/28.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 45.70	+30 30.7	2.311	3.123	11.9	20.8
2 11	11 36.35	+31 8.8	2.251	3.129	9.7	20.7
2 21	11 24.76	+31 35.3	2.218	3.135	8.0	20.6
3 2	11 11.83	+31 42.9	2.213	3.140	7.6	20.6
3 12	10 58.75	+31 26.9	2.238	3.144	8.8	20.6
3 22	10 46.67	+30 46.8	2.292	3.148	10.9	20.8
4 1	10 36.55	+29 44.9	2.370	3.151	13.1	20.9
4 11	10 28.96	+28 25.8	2.471	3.154	15.1	21.1

169631 2002 HJ_1 3 5.9 293°.86 4°.3/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.49	+11 33.5	1.480	2.338	15.0	19.6
2 11	11 25.67	+12 53.1	1.388	2.312	11.1	19.3
2 21	11 19.09	+14 25.6	1.319	2.285	6.9	19.0
3 2	11 10.39	+16 1.6	1.275	2.258	4.3	18.8
3 12	11 0.74	+17 29.2	1.259	2.231	7.0	18.9
3 22	10 51.51	+18 37.7	1.268	2.205	11.6	19.0
4 1	10 44.08	+19 20.5	1.299	2.178	16.3	19.2
4 11	10 39.43	+19 35.2	1.349	2.151	20.3	19.4

349131 2007 HR_{80} 3 5.9 65°.66 2°.4/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 34.20	+ 8 36.1	1.263	2.117	17.3	21.0
2 11	11 28.97	+ 9 15.2	1.208	2.129	12.7	20.8
2 21	11 20.83	+10 5.4	1.174	2.141	7.5	20.5
3 2	11 10.79	+10 58.3	1.165	2.153	2.7	20.3
3 12	11 0.33	+11 44.4	1.182	2.165	5.0	20.5
3 22	10 50.98	+12 16.1	1.224	2.178	10.1	20.8
4 1	10 43.94	+12 29.2	1.289	2.190	14.8	21.1
4 11	10 39.92	+12 22.6	1.373	2.203	18.6	21.4

120955 1998 UO_{31} 3 5.9 240°.65 2°.2/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.81	+ 8 26.0	1.765	2.601	14.0	19.9
2 11	11 28.38	+ 9 16.4	1.673	2.585	10.4	19.6
2 21	11 20.47	+10 18.1	1.604	2.569	6.2	19.4
3 2	11 10.74	+11 24.2	1.564	2.551	2.4	19.1
3 12	11 0.27	+12 26.8	1.552	2.533	4.5	19.2
3 22	10 50.27	+13 18.1	1.568	2.514	9.0	19.4
4 1	10 41.90	+13 52.8	1.609	2.494	13.3	19.6
4 11	10 35.98	+14 8.4	1.672	2.473	17.0	19.8

293681 2007 PX_{31} 3 5.9 177°.54 1°.8/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.44	+ 7 28.5	1.982	2.812	12.9	21.9
2 11	11 26.92	+ 8 26.8	1.905	2.815	9.5	21.7
2 21	11 19.33	+ 9 35.1	1.853	2.817	5.6	21.4
3 2	11 10.35	+10 47.2	1.830	2.818	2.0	21.2
3 12	11 0.95	+11 55.5	1.836	2.818	3.9	21.3
3 22	10 52.11	+12 53.4	1.872	2.817	7.8	21.6
4 1	10 44.76	+13 36.3	1.934	2.816	11.5	21.8
4 11	10 39.53	+14 2.0	2.018	2.814	14.7	22.0

464151 2014 YB_{10} 3 5.9 153°.81 1°.2/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.00	− 1 3.9	2.484	3.278	11.7	21.4
2 11	11 25.42	− 0 35.4	2.404	3.289	8.9	21.2
2 21	11 18.24	+ 0 5.9	2.349	3.299	5.7	21.0
3 2	11 10.01	+ 0 56.7	2.324	3.308	2.3	20.8
3 12	11 1.49	+ 1 52.6	2.329	3.317	2.1	20.8
3 22	10 53.45	+ 2 48.6	2.364	3.325	5.4	21.0
4 1	10 46.56	+ 3 39.7	2.429	3.332	8.6	21.2
4 11	10 41.36	+ 4 22.2	2.518	3.338	11.4	21.4

30668 1227 $T\text{-}_2$ 3 5.9 88°.47 0°.2/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.21	+ 1 30.3	1.456	2.287	16.7	18.5
2 11	11 27.15	+ 2 15.6	1.398	2.305	12.4	18.3
2 21	11 19.58	+ 3 19.0	1.362	2.323	7.5	18.0
3 2	11 10.42	+ 4 34.0	1.352	2.341	2.2	17.8
3 12	11 0.92	+ 5 51.2	1.369	2.358	3.1	17.9
3 22	10 52.33	+ 7 1.7	1.413	2.375	8.2	18.2
4 1	10 45.72	+ 7 58.3	1.483	2.392	12.6	18.5
4 11	10 41.72	+ 8 36.9	1.573	2.408	16.4	18.8

385652 2005 RU_{21} 3 5.9 253°.54 0°.3/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.15	+ 0 59.8	2.500	3.312	11.1	21.2
2 11	11 21.25	+ 1 49.3	2.407	3.305	8.3	21.0
2 21	11 15.81	+ 2 51.7	2.339	3.297	5.1	20.8
3 2	11 9.35	+ 4 3.2	2.300	3.288	1.6	20.5
3 12	11 2.51	+ 5 18.3	2.292	3.280	2.1	20.5
3 22	10 56.02	+ 6 31.4	2.313	3.272	5.6	20.7
4 1	10 50.53	+ 7 37.0	2.362	3.263	8.9	20.9
4 11	10 46.58	+ 8 31.1	2.436	3.255	11.8	21.1

189484 1999 VY_{159} 3 5.9 127°.47 3°.2/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.54	− 7 26.9	2.320	3.093	13.1	20.5
2 11	11 23.74	− 7 9.2	2.240	3.105	10.4	20.4
2 21	11 17.28	− 6 33.8	2.185	3.117	7.3	20.2
3 2	11 9.75	− 5 42.8	2.156	3.128	4.3	20.0
3 12	11 1.92	− 4 40.4	2.157	3.139	3.3	20.0
3 22	10 54.57	− 3 32.2	2.187	3.149	5.6	20.1
4 1	10 48.43	− 2 24.4	2.245	3.160	8.7	20.3
4 11	10 44.01	− 1 22.5	2.328	3.169	11.5	20.5

433080 2012 TW_{66} 3 5.9 194.°65 3.°2/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.91	− 7 26.9	2.448	3.221	12.5	21.1
2 11	11 22.56	− 7 13.2	2.356	3.220	9.9	20.9
2 21	11 16.60	− 6 42.6	2.288	3.219	7.0	20.8
3 2	11 9.57	− 5 56.8	2.246	3.217	4.2	20.6
3 12	11 2.18	− 4 59.3	2.234	3.215	3.3	20.5
3 22	10 55.16	− 3 55.3	2.250	3.213	5.5	20.6
4 1	10 49.22	− 2 50.4	2.295	3.211	8.5	20.8
4 11	10 44.89	− 1 50.1	2.366	3.208	11.3	21.0

203348 2001 UG_{155} 3 5.9 88.°28 4.°2/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.37	−11 14.7	2.419	3.173	13.1	20.0
2 11	11 22.11	−11 4.6	2.339	3.185	10.7	19.8
2 21	11 16.29	−10 35.5	2.282	3.198	7.9	19.7
3 2	11 9.47	− 9 48.5	2.252	3.211	5.3	19.5
3 12	11 2.37	− 8 47.4	2.249	3.223	4.2	19.5
3 22	10 55.72	− 7 37.2	2.276	3.235	5.7	19.6
4 1	10 50.20	− 6 24.3	2.331	3.248	8.3	19.8
4 11	10 46.30	− 5 14.5	2.411	3.260	10.9	20.0

523538 2017 QA_{21} 3 5.9 29.°56 1.°2/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.45	− 0 33.1	1.799	2.619	14.5	21.2
2 11	11 23.38	− 0 4.5	1.723	2.622	11.0	21.0
2 21	11 17.27	+ 0 40.9	1.670	2.626	6.9	20.7
3 2	11 9.79	+ 1 39.1	1.644	2.630	2.7	20.5
3 12	11 1.89	+ 2 43.9	1.645	2.634	2.6	20.5
3 22	10 54.57	+ 3 48.0	1.674	2.639	6.8	20.7
4 1	10 48.73	+ 4 44.7	1.729	2.643	10.8	21.0
4 11	10 45.00	+ 5 29.0	1.807	2.648	14.3	21.2

366842 2005 QH_{75} 3 5.9 90.°28 0.°4/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.58	+ 3 48.8	1.749	2.581	14.3	21.2
2 11	11 24.97	+ 4 32.2	1.679	2.588	10.6	21.0
2 21	11 18.22	+ 5 29.3	1.633	2.596	6.3	20.7
3 2	11 10.05	+ 6 34.3	1.614	2.603	1.7	20.4
3 12	11 1.50	+ 7 39.9	1.623	2.611	3.1	20.5
3 22	10 53.62	+ 8 38.7	1.660	2.618	7.6	20.8
4 1	10 47.32	+ 9 25.1	1.723	2.626	11.6	21.1
4 11	10 43.25	+ 9 55.6	1.808	2.633	15.0	21.3

517684 2015 DF_{232} 3 5.9 50.°69 5.°9/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.39	+18 7.2	1.808	2.667	12.6	20.8
2 11	11 23.29	+19 54.1	1.763	2.683	9.4	20.6
2 21	11 17.15	+21 41.0	1.744	2.700	6.7	20.5
3 2	11 9.73	+23 17.7	1.753	2.717	6.0	20.5
3 12	11 2.04	+24 35.4	1.789	2.734	7.9	20.6
3 22	10 55.08	+25 28.8	1.850	2.752	10.8	20.8
4 1	10 49.70	+25 56.1	1.935	2.769	13.7	21.0
4 11	10 46.47	+25 58.7	2.039	2.787	16.1	21.2

459953 2014 NC_{54} 3 5.9 162.°13 3.°3/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.16	+11 18.4	1.848	2.690	13.2	22.0
2 11	11 26.83	+12 30.1	1.780	2.695	9.6	21.7
2 21	11 19.32	+13 49.1	1.736	2.700	5.8	21.5
3 2	11 10.38	+15 7.3	1.721	2.704	3.3	21.4
3 12	11 1.02	+16 16.5	1.735	2.708	5.3	21.5
3 22	10 52.32	+17 9.9	1.777	2.711	9.1	21.7
4 1	10 45.23	+17 43.7	1.844	2.713	12.6	21.9
4 11	10 40.40	+17 57.1	1.932	2.715	15.7	22.2

17294 2787 P–L 3 5.9 290.°41 0.°2/ 6.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.58	+ 1 44.8	1.586	2.419	15.4	17.6
2 11	11 24.65	+ 2 23.5	1.499	2.407	11.7	17.3
2 21	11 18.28	+ 3 20.5	1.433	2.395	7.2	17.0
3 2	11 10.15	+ 4 30.9	1.394	2.383	2.2	16.7
3 12	11 1.33	+ 5 46.9	1.382	2.370	3.1	16.7
3 22	10 53.04	+ 6 59.4	1.396	2.359	8.2	17.0
4 1	10 46.40	+ 8 0.4	1.436	2.347	12.8	17.2
4 11	10 42.22	+ 8 44.6	1.496	2.335	16.9	17.4

462210 2007 VR_{164} 3 5.9 49.°82 1.°1/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.86	+ 0 50.1	1.364	2.199	17.3	21.6
2 11	11 26.32	+ 1 10.3	1.305	2.213	13.1	21.4
2 21	11 19.18	+ 1 49.3	1.268	2.228	8.1	21.1
3 2	11 10.35	+ 2 41.8	1.255	2.243	2.8	20.8
3 12	11 1.14	+ 3 39.8	1.269	2.259	3.1	20.9
3 22	10 52.86	+ 4 34.8	1.309	2.274	8.2	21.2
4 1	10 46.62	+ 5 19.5	1.373	2.291	12.8	21.5
4 11	10 43.07	+ 5 49.2	1.457	2.307	16.7	21.8

8773 Torquilla 3 5.9 70.°22 2.°8/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.33	− 4 14.2	2.194	2.983	13.3	18.0
2 11	11 25.05	− 4 19.6	2.129	3.005	10.3	17.8
2 21	11 18.06	− 4 10.2	2.086	3.026	7.0	17.6
3 2	11 9.99	− 3 47.6	2.072	3.048	3.8	17.5
3 12	11 1.70	− 3 15.7	2.086	3.070	3.1	17.4
3 22	10 54.00	− 2 39.1	2.129	3.092	5.7	17.6
4 1	10 47.63	− 2 2.6	2.199	3.113	8.9	17.9
4 11	10 43.10	− 1 30.9	2.295	3.135	11.7	18.1

123780 2001 BJ_{13} 3 5.9 53.°06 1.°3/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.52	+ 0 21.4	1.849	2.667	14.2	20.4
2 11	11 24.86	+ 0 34.6	1.774	2.672	10.8	20.2
2 21	11 18.14	+ 1 2.5	1.722	2.678	6.8	19.9
3 2	11 10.06	+ 1 41.7	1.697	2.683	2.6	19.7
3 12	11 1.58	+ 2 26.8	1.700	2.689	2.6	19.7
3 22	10 53.70	+ 3 11.7	1.731	2.695	6.7	19.9
4 1	10 47.31	+ 3 50.8	1.788	2.701	10.6	20.2
4 11	10 43.05	+ 4 19.7	1.868	2.707	14.0	20.4

222540 2001 UA_{173} 3 5.9 240.°84 2.°8/ 8.8 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.75	− 5 29.7	2.066	2.855	13.9	21.3
2 11	11 24.28	− 5 7.3	1.967	2.844	11.0	21.0
2 21	11 17.85	− 4 25.6	1.891	2.831	7.5	20.8
3 2	11 10.01	− 3 26.6	1.841	2.819	4.0	20.5
3 12	11 1.61	− 2 15.1	1.820	2.806	3.1	20.5
3 22	10 53.59	− 0 57.6	1.828	2.793	6.3	20.6
4 1	10 46.84	+ 0 18.4	1.864	2.779	10.1	20.8
4 11	10 42.04	+ 1 26.3	1.923	2.765	13.5	21.0

496935 2001 VO_{55} 3 5.9 131.°07 6.°0/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.27	−19 31.9	2.839	3.526	12.8	22.2
2 11	11 22.65	−19 39.9	2.752	3.538	11.0	22.0
2 21	11 16.59	−19 27.9	2.687	3.549	9.0	21.9
3 2	11 9.60	−18 55.4	2.646	3.561	7.1	21.8
3 12	11 2.32	−18 4.5	2.632	3.571	6.1	21.7
3 22	10 55.43	−16 58.8	2.647	3.582	6.4	21.8
4 1	10 49.54	−15 43.7	2.690	3.591	8.0	21.9
4 11	10 45.14	−14 25.5	2.759	3.601	9.9	22.0

238474 2004 RO_{76} 3 5.9 226.°53 0.°5/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.60	+ 3 56.8	1.881	2.704	13.8	21.6
2 11	11 27.31	+ 4 41.1	1.787	2.692	10.3	21.4
2 21	11 19.76	+ 5 39.5	1.718	2.679	6.2	21.1
3 2	11 10.58	+ 6 46.9	1.677	2.666	1.7	20.8
3 12	11 0.75	+ 7 56.3	1.665	2.652	3.1	20.8
3 22	10 51.37	+ 9 0.0	1.682	2.637	7.7	21.1
4 1	10 43.48	+ 9 51.9	1.725	2.621	11.9	21.3
4 11	10 37.84	+10 28.0	1.791	2.605	15.6	21.5

219794 2002 AD_{104} 3 5.9 117.°03 3.°2/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.26	+11 53.1	2.021	2.864	12.2	20.5
2 11	11 25.20	+13 1.9	1.961	2.876	8.9	20.4
2 21	11 18.25	+14 16.0	1.925	2.889	5.4	20.2
3 2	11 10.08	+15 28.4	1.919	2.901	3.2	20.0
3 12	11 1.62	+16 31.7	1.941	2.913	5.0	20.2
3 22	10 53.80	+17 20.3	1.992	2.924	8.3	20.4
4 1	10 47.44	+17 51.1	2.068	2.935	11.6	20.6
4 11	10 43.08	+18 3.3	2.166	2.946	14.3	20.8

210977 2001 VV_{83} 3 5.9 48.°04 3.°0/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.14	+13 4.1	1.935	2.779	12.6	20.0
2 11	11 25.82	+13 35.9	1.881	2.797	9.2	19.8
2 21	11 18.58	+14 10.7	1.851	2.815	5.6	19.6
3 2	11 10.16	+14 42.6	1.849	2.833	3.0	19.5
3 12	11 1.54	+15 6.1	1.876	2.852	4.7	19.6
3 22	10 53.68	+15 17.2	1.931	2.870	8.1	19.9
4 1	10 47.37	+15 14.0	2.011	2.889	11.3	20.1
4 11	10 43.15	+14 56.5	2.112	2.909	14.1	20.3

421562 2014 OO_{190} 3 5.9 186.°41 0.°0/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.94	+ 2 58.8	2.052	2.869	13.0	22.7
2 11	11 26.53	+ 3 36.8	1.968	2.869	9.7	22.5
2 21	11 19.13	+ 4 27.5	1.909	2.868	5.9	22.3
3 2	11 10.37	+ 5 26.6	1.878	2.867	1.7	22.0
3 12	11 1.16	+ 6 27.8	1.877	2.865	2.6	22.0
3 22	10 52.45	+ 7 24.8	1.905	2.862	6.8	22.3
4 1	10 45.14	+ 8 12.2	1.961	2.859	10.6	22.5
4 11	10 39.87	+ 8 46.4	2.039	2.854	13.9	22.7

107676 2001 FD_{10} 3 5.9 296.°35 0.°6/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.32	+ 4 56.0	1.539	2.380	15.4	20.1
2 11	11 26.07	+ 5 24.0	1.449	2.363	11.6	19.8
2 21	11 19.23	+ 6 6.7	1.382	2.346	7.0	19.5
3 2	11 10.47	+ 6 58.7	1.340	2.329	1.9	19.1
3 12	11 0.93	+ 7 52.6	1.325	2.312	3.6	19.2
3 22	10 51.89	+ 8 40.4	1.336	2.296	8.8	19.4
4 1	10 44.60	+ 9 15.4	1.372	2.280	13.6	19.7
4 11	10 39.92	+ 9 33.5	1.428	2.264	17.7	19.9

6673 Degas 3 5.9 193.°21 1.°7/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.77	+ 8 13.1	2.114	2.942	12.3	18.2
2 11	11 27.11	+ 8 56.3	2.032	2.941	9.0	18.0
2 21	11 19.46	+ 9 47.7	1.975	2.938	5.4	17.8
3 2	11 10.46	+10 42.1	1.947	2.935	1.9	17.5
3 12	11 1.03	+11 33.0	1.949	2.931	3.6	17.6
3 22	10 52.10	+12 15.0	1.980	2.926	7.4	17.9
4 1	10 44.57	+12 44.0	2.038	2.920	11.0	18.1
4 11	10 39.06	+12 58.2	2.118	2.914	14.1	18.3

25340 Segoves 3 5.9 135°.17 11°.2/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 52.51	+29 25.6	1.218	2.058	18.8	18.9
2 11	11 42.98	+30 13.7	1.168	2.064	15.2	18.7
2 21	11 29.40	+30 45.1	1.138	2.071	12.3	18.5
3 2	11 13.29	+30 45.4	1.132	2.077	11.2	18.5
3 12	10 56.93	+30 6.3	1.151	2.082	12.9	18.6
3 22	10 42.53	+28 48.7	1.195	2.087	16.1	18.8
4 1	10 31.67	+27 0.2	1.259	2.092	19.6	19.0
4 11	10 25.01	+24 51.1	1.342	2.097	22.7	19.2

218688 2005 TD_{62} 3 5.9 178°.62 1°.6/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.92	+ 8 3.8	2.137	2.968	12.1	21.6
2 11	11 25.69	+ 8 47.7	2.059	2.969	8.9	21.4
2 21	11 18.57	+ 9 39.8	2.007	2.970	5.2	21.2
3 2	11 10.20	+10 34.7	1.982	2.970	1.9	21.0
3 12	11 1.45	+11 26.3	1.988	2.970	3.5	21.1
3 22	10 53.22	+12 9.2	2.023	2.970	7.2	21.3
4 1	10 46.33	+12 39.4	2.084	2.969	10.7	21.5
4 11	10 41.38	+12 55.0	2.168	2.968	13.7	21.7

20939 1178 T-2 3 5.9 255°.67 2°.2/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.78	− 4 35.0	2.458	3.247	12.0	20.0
2 11	11 21.78	− 4 6.5	2.360	3.237	9.4	19.8
2 21	11 16.20	− 3 22.0	2.285	3.228	6.3	19.6
3 2	11 9.53	− 2 24.0	2.239	3.218	3.2	19.4
3 12	11 2.46	− 1 16.6	2.221	3.208	2.5	19.3
3 22	10 55.71	− 0 5.4	2.234	3.198	5.4	19.5
4 1	10 50.00	+ 1 3.8	2.274	3.188	8.6	19.7
4 11	10 45.86	+ 2 5.8	2.340	3.177	11.6	19.9

288737 2004 RV_{51} 3 5.9 158°.82 1°.4/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.54	+ 5 55.2	1.731	2.564	14.3	21.4
2 11	11 27.24	+ 6 49.3	1.659	2.570	10.6	21.2
2 21	11 19.65	+ 7 56.0	1.611	2.575	6.2	21.0
3 2	11 10.53	+ 9 8.5	1.590	2.579	1.9	20.7
3 12	11 0.97	+10 18.6	1.599	2.583	3.8	20.8
3 22	10 52.08	+11 18.7	1.635	2.587	8.2	21.1
4 1	10 44.88	+12 3.4	1.697	2.590	12.3	21.4
4 11	10 40.04	+12 29.9	1.781	2.592	15.7	21.6

502356 2015 BV_{213} 3 5.9 101°.59 2°.0/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.17	+ 8 37.0	2.026	2.864	12.4	21.3
2 11	11 24.42	+ 9 29.4	1.960	2.873	9.0	21.1
2 21	11 17.80	+10 29.8	1.918	2.882	5.3	20.8
3 2	11 9.97	+11 32.1	1.904	2.891	2.1	20.6
3 12	11 1.84	+12 29.6	1.920	2.900	3.9	20.8
3 22	10 54.30	+13 16.7	1.963	2.909	7.5	21.0
4 1	10 48.15	+13 49.4	2.033	2.918	11.0	21.3
4 11	10 43.97	+14 6.1	2.125	2.926	13.9	21.5

157273 2004 RH_{226} 3 5.9 147°.93 1°.4/ 7.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.62	− 1 59.0	2.245	3.045	12.6	20.6
2 11	11 23.89	− 1 26.1	2.165	3.052	9.6	20.4
2 21	11 17.45	− 0 38.2	2.109	3.059	6.2	20.2
3 2	11 9.88	+ 0 21.4	2.081	3.065	2.6	20.0
3 12	11 1.97	+ 1 27.4	2.082	3.071	2.3	20.0
3 22	10 54.55	+ 2 33.8	2.113	3.076	5.8	20.2
4 1	10 48.34	+ 3 35.0	2.172	3.081	9.2	20.4
4 11	10 43.91	+ 4 26.3	2.256	3.086	12.2	20.6

90661 3853 T-3 3 5.9 150°.09 1°.6/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.18	+ 9 59.5	2.862	3.690	9.4	20.2
2 11	11 23.21	+10 37.0	2.788	3.697	6.9	20.1
2 21	11 16.89	+11 18.9	2.741	3.704	4.1	19.9
3 2	11 9.70	+12 1.2	2.724	3.711	1.7	19.7
3 12	11 2.28	+12 39.7	2.738	3.717	3.0	19.8
3 22	10 55.26	+13 11.0	2.781	3.723	5.8	20.0
4 1	10 49.23	+13 32.4	2.853	3.728	8.5	20.2
4 11	10 44.63	+13 42.5	2.948	3.733	10.8	20.4

90146 2002 YZ_9 3 5.9 77°.36 4°.9/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.02	+15 24.5	1.650	2.503	13.9	19.3
2 11	11 26.80	+16 42.5	1.603	2.523	10.2	19.1
2 21	11 19.30	+18 2.6	1.580	2.542	6.6	18.9
3 2	11 10.40	+19 15.6	1.585	2.561	4.9	18.9
3 12	11 1.26	+20 12.7	1.617	2.579	6.9	19.0
3 22	10 53.02	+20 48.5	1.675	2.598	10.3	19.3
4 1	10 46.61	+21 1.3	1.757	2.617	13.6	19.5
4 11	10 42.62	+20 52.3	1.859	2.635	16.5	19.7

44406 1998 SU_{127} 3 5.9 17°.54 1°.1/ 7.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.56	− 2 25.3	1.761	2.580	14.8	18.4
2 11	11 21.33	− 1 22.7	1.685	2.583	11.2	18.2
2 21	11 16.09	+ 0 1.1	1.631	2.587	7.1	17.9
3 2	11 9.52	+ 1 40.8	1.604	2.590	2.7	17.7
3 12	11 2.54	+ 3 27.8	1.605	2.595	2.5	17.7
3 22	10 56.11	+ 5 12.5	1.635	2.600	6.9	18.0
4 1	10 51.11	+ 6 46.2	1.690	2.605	11.0	18.2
4 11	10 48.17	+ 8 2.7	1.769	2.610	14.6	18.4

129596 1997 VR_1 3 5.9 146°.98 11°.7/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 44.09	+39 9.9	1.933	2.740	14.1	20.0
2 11	11 35.85	+40 44.8	1.900	2.752	12.5	19.9
2 21	11 24.77	+41 59.9	1.892	2.762	11.8	19.9
3 2	11 11.96	+42 44.9	1.907	2.772	12.1	19.9
3 12	10 58.95	+42 53.8	1.947	2.781	13.3	20.0
3 22	10 47.24	+42 26.7	2.009	2.790	15.0	20.2
4 1	10 37.96	+41 27.9	2.091	2.797	16.8	20.3
4 11	10 31.75	+40 4.3	2.188	2.804	18.4	20.5

357523 2004 RT_{113} 3 5.9 136°.66 0°.2/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.44	+ 1 50.6	1.851	2.667	14.3	21.9
2 11	11 27.69	+ 2 31.5	1.782	2.682	10.7	21.7
2 21	11 19.82	+ 3 26.9	1.737	2.695	6.5	21.4
3 2	11 10.57	+ 4 31.7	1.720	2.708	1.9	21.2
3 12	11 0.98	+ 5 38.8	1.732	2.720	2.7	21.3
3 22	10 52.08	+ 6 41.3	1.773	2.731	7.1	21.5
4 1	10 44.80	+ 7 33.2	1.841	2.742	11.0	21.8
4 11	10 39.74	+ 8 10.8	1.932	2.752	14.4	22.0

423485 2005 TC_{17} 3 5.9 129°.88 1°.5/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.88	+ 8 28.3	2.302	3.127	11.5	22.1
2 11	11 26.87	+ 9 6.2	2.237	3.144	8.4	21.9
2 21	11 19.15	+ 9 50.4	2.198	3.160	4.9	21.7
3 2	11 10.36	+10 36.1	2.188	3.176	1.8	21.5
3 12	11 1.33	+11 17.9	2.209	3.191	3.3	21.7
3 22	10 52.90	+11 51.5	2.260	3.205	6.7	21.9
4 1	10 45.82	+12 13.7	2.338	3.219	9.8	22.1
4 11	10 40.59	+12 23.1	2.439	3.232	12.5	22.3

157836 1998 FG_{102} 3 5.9 321°.83 5°.9/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.22	− 9 58.7	1.591	2.381	17.4	19.3
2 11	11 23.03	−10 16.9	1.494	2.362	14.3	19.0
2 21	11 17.41	−10 10.1	1.416	2.344	10.8	18.8
3 2	11 9.98	− 9 37.1	1.362	2.326	7.3	18.5
3 12	11 1.76	− 8 40.6	1.332	2.309	5.9	18.4
3 22	10 53.93	− 7 27.4	1.328	2.293	8.2	18.5
4 1	10 47.68	− 6 6.8	1.349	2.278	12.1	18.7
4 11	10 43.89	− 4 48.7	1.391	2.263	16.0	18.9

115129 2003 SL_{52} 3 5.9 210°.30 1°.8/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.46	+ 7 55.2	1.915	2.747	13.2	20.8
2 11	11 27.11	+ 8 43.3	1.831	2.742	9.7	20.5
2 21	11 19.58	+ 9 41.3	1.772	2.736	5.8	20.3
3 2	11 10.54	+10 43.2	1.741	2.729	2.1	20.0
3 12	11 0.98	+11 41.8	1.739	2.722	4.0	20.1
3 22	10 51.94	+12 30.5	1.766	2.714	8.1	20.4
4 1	10 44.40	+13 4.5	1.819	2.705	12.0	20.6
4 11	10 39.07	+13 21.8	1.894	2.696	15.3	20.8

283461 Leacipaola 3 5.9 170°.50 1°.7/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 35.16	− 1 24.2	2.082	2.876	13.7	22.5
2 11	11 28.86	− 1 10.8	1.998	2.882	10.5	22.3
2 21	11 20.52	− 0 42.6	1.939	2.887	6.8	22.0
3 2	11 10.79	− 0 2.5	1.907	2.891	2.9	21.8
3 12	11 0.62	+ 0 44.9	1.906	2.894	2.6	21.8
3 22	10 51.01	+ 1 33.9	1.934	2.895	6.4	22.0
4 1	10 42.85	+ 2 18.8	1.991	2.896	10.1	22.3
4 11	10 36.79	+ 2 55.3	2.072	2.896	13.4	22.5

263473 2008 EZ_{67} 3 5.9 172°.73 1°.6/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.57	− 2 37.0	2.473	3.261	11.9	21.0
2 11	11 25.21	− 2 9.8	2.385	3.265	9.2	20.8
2 21	11 18.20	− 1 28.7	2.323	3.269	6.0	20.6
3 2	11 10.11	− 0 36.2	2.289	3.272	2.7	20.4
3 12	11 1.67	+ 0 23.1	2.286	3.274	2.3	20.3
3 22	10 53.65	+ 1 24.0	2.313	3.275	5.4	20.5
4 1	10 46.77	+ 2 21.2	2.369	3.275	8.7	20.7
4 11	10 41.56	+ 3 10.5	2.450	3.275	11.5	20.9

521160 2015 FA_{408} 3 5.9 253°.80 0°.5/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.41	+ 0 29.9	2.513	3.323	11.1	21.7
2 11	11 21.47	+ 1 17.1	2.417	3.313	8.4	21.5
2 21	11 16.01	+ 2 17.4	2.348	3.304	5.2	21.3
3 2	11 9.50	+ 3 27.2	2.306	3.294	1.7	21.0
3 12	11 2.61	+ 4 41.3	2.295	3.284	2.0	21.0
3 22	10 56.05	+ 5 53.9	2.314	3.274	5.6	21.2
4 1	10 50.49	+ 6 59.7	2.361	3.264	8.8	21.4
4 11	10 46.46	+ 7 54.5	2.433	3.254	11.7	21.6

405186 2003 AF_{42} 3 5.9 74°.49 2°.1/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.65	− 3 18.5	1.722	2.525	15.7	20.9
2 11	11 27.03	− 2 46.9	1.672	2.559	12.0	20.7
2 21	11 19.34	− 1 56.4	1.644	2.593	7.7	20.5
3 2	11 10.42	− 0 51.6	1.643	2.626	3.5	20.3
3 12	11 1.35	+ 0 20.5	1.671	2.659	2.8	20.3
3 22	10 53.16	+ 1 31.9	1.727	2.691	6.7	20.6
4 1	10 46.71	+ 2 36.0	1.810	2.723	10.5	20.9
4 11	10 42.51	+ 3 27.5	1.916	2.754	13.7	21.2

120143 2003 GG_{42} 3 5.9 286°.67 7°.9/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.63	−20 50.3	2.492	3.179	14.4	19.8
2 11	11 23.37	−21 30.1	2.381	3.161	12.7	19.6
2 21	11 17.30	−21 48.7	2.290	3.143	10.7	19.5
3 2	11 9.92	−21 43.7	2.222	3.125	8.9	19.3
3 12	11 1.94	−21 14.9	2.180	3.107	7.9	19.2
3 22	10 54.21	−20 25.0	2.164	3.088	8.2	19.2
4 1	10 47.53	−19 19.1	2.174	3.070	9.8	19.3
4 11	10 42.57	−18 4.4	2.209	3.052	12.0	19.4

143247 2002 YJ_{28} 3 5.9 166°.83 2°.9/ 9.3 18

2 1	11 31.65	− 6 33.8	2.603	3.367	12.0	20.7
2 11	11 25.94	− 6 25.5	2.514	3.374	9.5	20.6
2 21	11 18.62	− 6 2.2	2.450	3.380	6.7	20.4
3 2	11 10.24	− 5 25.4	2.414	3.386	3.9	20.2
3 12	11 1.53	− 4 38.4	2.408	3.390	3.1	20.2
3 22	10 53.23	− 3 45.7	2.433	3.393	5.3	20.3
4 1	10 46.04	− 2 52.4	2.487	3.396	8.2	20.5
4 11	10 40.48	− 2 3.0	2.567	3.397	10.9	20.7

56933 2000 RZ_{40} 3 5.9 267°.28 2°.6/ 7.9 18

2 1	11 33.80	− 1 35.2	2.006	2.805	14.0	18.9
2 11	11 28.19	− 1 54.7	1.902	2.786	10.9	18.7
2 21	11 20.33	− 2 1.0	1.821	2.768	7.3	18.4
3 2	11 10.81	− 1 55.1	1.768	2.749	3.7	18.2
3 12	11 0.58	− 1 39.7	1.743	2.729	3.2	18.1
3 22	10 50.68	− 1 19.1	1.747	2.710	6.8	18.3
4 1	10 42.15	− 0 58.2	1.779	2.690	10.8	18.5
4 11	10 35.78	− 0 41.6	1.833	2.670	14.3	18.7

264427 2000 RE_{85} 3 5.9 273°.84 1°.4/ 4.8 17

2 1	11 33.99	+ 8 40.8	1.887	2.719	13.4	20.2
2 11	11 28.39	+ 8 54.6	1.792	2.702	9.9	20.0
2 21	11 20.46	+ 9 15.7	1.721	2.684	6.0	19.7
3 2	11 10.85	+ 9 39.5	1.677	2.666	1.9	19.4
3 12	11 0.57	+10 0.6	1.663	2.648	3.6	19.5
3 22	10 50.75	+10 13.9	1.677	2.629	8.0	19.7
4 1	10 42.45	+10 15.8	1.717	2.611	12.1	19.9
4 11	10 36.46	+10 4.5	1.779	2.592	15.7	20.1

46426 2002 JG_{58} 3 5.9 238°.26 2°.8/ 3.5 18

2 1	11 32.82	+10 34.7	1.806	2.647	13.5	20.0
2 11	11 27.56	+11 23.3	1.721	2.636	10.0	19.7
2 21	11 19.95	+12 20.1	1.661	2.625	6.0	19.5
3 2	11 10.70	+13 18.2	1.628	2.614	2.9	19.2
3 12	11 0.84	+14 9.9	1.624	2.602	4.9	19.3
3 22	10 51.52	+14 48.7	1.647	2.590	9.0	19.6
4 1	10 43.80	+15 10.3	1.696	2.577	12.9	19.8
4 11	10 38.44	+15 13.3	1.766	2.564	16.4	20.0

267036 1997 SC_{11} 3 5.9 203°.95 0°.4/ 6.4 18

2 1	11 31.90	+ 1 14.6	1.822	2.639	14.4	21.4
2 11	11 26.80	+ 1 54.2	1.736	2.635	10.9	21.2
2 21	11 19.46	+ 2 50.2	1.673	2.631	6.7	20.9
3 2	11 10.55	+ 3 58.0	1.637	2.626	2.1	20.6
3 12	11 1.08	+ 5 10.4	1.631	2.620	2.7	20.6
3 22	10 52.13	+ 6 19.9	1.653	2.613	7.4	20.9
4 1	10 44.72	+ 7 19.5	1.702	2.606	11.6	21.1
4 11	10 39.58	+ 8 4.4	1.773	2.598	15.2	21.4

171356 2006 KV_{73} 3 5.9 271°.97 0°.6/ 5.3 17

2 1	11 26.54	+ 3 45.8	2.087	2.916	12.4	20.9
2 11	11 22.56	+ 4 41.8	2.004	2.911	9.2	20.6
2 21	11 16.78	+ 5 50.9	1.945	2.907	5.5	20.4
3 2	11 9.75	+ 7 7.8	1.914	2.903	1.5	20.1
3 12	11 2.32	+ 8 25.6	1.912	2.899	2.9	20.2
3 22	10 55.32	+ 9 37.5	1.940	2.895	6.9	20.5
4 1	10 49.58	+10 37.7	1.993	2.891	10.5	20.7
4 11	10 45.67	+11 22.5	2.070	2.887	13.7	20.9

456128 2006 DD_{99} 3 5.9 357°.71 0°.6/ 6.4 16

2 1	11 31.08	+ 2 42.5	1.248	2.094	18.0	21.2
2 11	11 26.95	+ 2 50.4	1.178	2.092	13.6	20.9
2 21	11 19.87	+ 3 16.0	1.128	2.091	8.4	20.6
3 2	11 10.71	+ 3 54.7	1.102	2.090	2.7	20.3
3 12	11 0.88	+ 4 38.7	1.100	2.090	3.4	20.3
3 22	10 51.88	+ 5 19.6	1.124	2.090	9.1	20.7
4 1	10 45.05	+ 5 50.1	1.171	2.091	14.3	21.0
4 11	10 41.24	+ 6 5.2	1.237	2.093	18.6	21.2

158544 2002 GV_{110} 3 5.9 214°.12 1°.0/ 7.2 17

2 1	11 27.70	− 1 4.5	2.360	3.162	12.0	20.4
2 11	11 23.25	− 0 23.9	2.266	3.157	9.1	20.2
2 21	11 17.13	+ 0 31.4	2.198	3.150	5.8	20.0
3 2	11 9.86	+ 1 37.9	2.158	3.144	2.2	19.7
3 12	11 2.18	+ 2 50.3	2.147	3.136	2.1	19.7
3 22	10 54.87	+ 4 2.7	2.167	3.129	5.7	19.9
4 1	10 48.68	+ 5 9.3	2.215	3.121	9.2	20.1
4 11	10 44.16	+ 6 5.3	2.287	3.113	12.2	20.3

68512 2001 UV_{161} 3 5.9 222°.96 0°.9/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.43	+ 5 46.8	2.211	3.036	12.0	20.1
2 11	11 25.39	+ 6 29.0	2.120	3.026	8.9	19.8
2 21	11 18.48	+ 7 21.4	2.054	3.016	5.3	19.6
3 2	11 10.26	+ 8 19.4	2.017	3.006	1.5	19.3
3 12	11 1.57	+ 9 17.1	2.010	2.995	3.0	19.4
3 22	10 53.28	+10 8.6	2.032	2.983	6.9	19.6
4 1	10 46.23	+10 49.3	2.081	2.971	10.5	19.8
4 11	10 41.05	+11 16.3	2.153	2.959	13.6	20.0

306676 2000 TF_{37} 3 5.9 147°.46 3°.4/ 2.7 18

2 1	11 35.36	+13 17.1	2.030	2.865	12.4	21.6
2 11	11 28.98	+14 14.4	1.966	2.878	9.1	21.4
2 21	11 20.56	+15 15.5	1.928	2.889	5.6	21.2
3 2	11 10.83	+16 13.4	1.920	2.900	3.4	21.1
3 12	11 0.79	+17 1.2	1.940	2.911	5.2	21.2
3 22	10 51.46	+17 34.0	1.990	2.920	8.5	21.4
4 1	10 43.72	+17 49.4	2.066	2.928	11.8	21.6
4 11	10 38.15	+17 47.4	2.164	2.935	14.6	21.8

3153 Lincoln 3 5.9 121°.46 4°.0/ 2.6 18

2 1	11 34.91	+14 7.8	1.735	2.580	13.8	16.9
2 11	11 28.93	+15 0.2	1.676	2.592	10.1	16.7
2 21	11 20.63	+15 56.0	1.641	2.603	6.3	16.5
3 2	11 10.86	+16 47.2	1.633	2.613	4.0	16.4
3 12	11 0.76	+17 26.5	1.654	2.624	5.9	16.6
3 22	10 51.50	+17 48.7	1.701	2.634	9.5	16.8
4 1	10 44.06	+17 51.8	1.774	2.643	13.1	17.0
4 11	10 39.07	+17 36.2	1.867	2.653	16.1	17.2

271186 2003 ST_{303} 3 5.9 230°.53 0°.7/ 6.7 18

2 1	11 27.82	+ 0 11.3	2.457	3.263	11.5	21.4
2 11	11 23.32	+ 0 53.0	2.359	3.251	8.7	21.2
2 21	11 17.17	+ 1 48.2	2.285	3.239	5.4	21.0
3 2	11 9.88	+ 2 53.5	2.240	3.227	1.9	20.7
3 12	11 2.16	+ 4 3.7	2.225	3.214	2.1	20.7
3 22	10 54.76	+ 5 13.1	2.241	3.201	5.7	20.9
4 1	10 48.41	+ 6 16.3	2.284	3.187	9.1	21.1
4 11	10 43.68	+ 7 8.8	2.353	3.172	12.1	21.3

100223 1994 PZ_{12} 3 5.9 201°.84 0°.4/ 5.4 18

2 1	11 25.84	+ 3 43.3	2.842	3.657	9.8	20.6
2 11	11 21.61	+ 4 36.6	2.752	3.653	7.3	20.4
2 21	11 16.02	+ 5 39.5	2.689	3.649	4.3	20.2
3 2	11 9.53	+ 6 48.1	2.656	3.645	1.2	20.0
3 12	11 2.73	+ 7 57.6	2.654	3.640	2.2	20.1
3 22	10 56.25	+ 9 3.0	2.682	3.635	5.3	20.3
4 1	10 50.67	+10 0.2	2.739	3.630	8.2	20.5
4 11	10 46.46	+10 46.1	2.821	3.624	10.7	20.6

208949 2002 VS_{140} 3 5.9 121°.50 4°.2/29.7 18

2 1	11 28.68	+17 11.5	2.444	3.287	10.3	20.8
2 11	11 23.83	+18 24.5	2.386	3.299	7.6	20.6
2 21	11 17.38	+19 38.0	2.354	3.310	5.2	20.5
3 2	11 9.91	+20 45.6	2.352	3.321	4.2	20.4
3 12	11 2.20	+21 41.3	2.379	3.332	5.7	20.6
3 22	10 55.00	+22 21.2	2.434	3.343	8.2	20.7
4 1	10 49.01	+22 43.1	2.515	3.353	10.8	20.9
4 11	10 44.72	+22 47.4	2.618	3.363	13.0	21.1

75569 IRSOL 3 5.9 95°.04 3°.4/ 9.0 18

2 1	11 33.25	− 5 34.5	1.775	2.565	15.8	20.3
2 11	11 27.61	− 5 33.0	1.710	2.587	12.4	20.1
2 21	11 19.81	− 5 11.8	1.668	2.607	8.5	19.9
3 2	11 10.63	− 4 33.1	1.652	2.628	4.7	19.7
3 12	11 1.14	− 3 41.8	1.664	2.648	3.7	19.7
3 22	10 52.42	− 2 44.9	1.704	2.668	6.8	19.9
4 1	10 45.38	− 1 49.2	1.771	2.687	10.5	20.2
4 11	10 40.63	− 1 0.8	1.861	2.706	13.8	20.4

345063 2005 GU_{166} 3 5.9 302°.38 4°.9/ 1.2 17

2 1	11 32.16	+19 24.0	2.120	2.965	11.6	21.3
2 11	11 26.68	+20 8.0	2.050	2.962	8.8	21.1
2 21	11 19.22	+20 50.6	2.005	2.959	6.1	20.9
3 2	11 10.47	+21 25.2	1.988	2.957	4.9	20.9
3 12	11 1.36	+21 45.8	2.000	2.955	6.5	21.0
3 22	10 52.87	+21 49.1	2.039	2.952	9.3	21.1
4 1	10 45.85	+21 33.9	2.102	2.950	12.2	21.3
4 11	10 40.89	+21 1.3	2.187	2.948	14.8	21.5

104602 2000 GP_{97} 3 5.9 244°.97 1°.3/ 4.6 18

2 1	11 27.92	+ 7 1.4	2.161	2.994	11.9	19.7
2 11	11 23.52	+ 7 46.0	2.080	2.991	8.7	19.5
2 21	11 17.32	+ 8 39.6	2.025	2.989	5.1	19.2
3 2	11 9.93	+ 9 37.3	1.999	2.987	1.7	19.0
3 12	11 2.15	+10 33.0	2.001	2.985	3.3	19.1
3 22	10 54.85	+11 21.0	2.032	2.983	7.0	19.3
4 1	10 48.79	+11 57.2	2.090	2.980	10.4	19.5
4 11	10 44.56	+12 19.0	2.170	2.978	13.4	19.7

419526 2010 JH_{123} 3 5.9 226°.72 3°.8/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 31.19	+12 32.1	2.140	2.979	11.7	21.5
2 11	11 26.12	+14 6.3	2.051	2.965	8.6	21.3
2 21	11 19.02	+15 48.7	1.989	2.951	5.5	21.1
3 2	11 10.45	+17 31.1	1.957	2.935	3.8	20.9
3 12	11 1.31	+19 4.8	1.955	2.919	5.8	21.0
3 22	10 52.55	+20 22.3	1.982	2.902	9.2	21.2
4 1	10 45.09	+21 18.9	2.035	2.884	12.5	21.4
4 11	10 39.63	+21 53.2	2.109	2.865	15.4	21.6

165400 2000 XK_{32} 3 5.9 103°.05 1°.2/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 34.81	+ 6 59.1	1.599	2.435	15.2	20.2
2 11	11 29.02	+ 7 22.6	1.534	2.446	11.2	20.0
2 21	11 20.77	+ 7 56.2	1.493	2.456	6.6	19.7
3 2	11 10.93	+ 8 34.3	1.478	2.467	2.0	19.4
3 12	11 0.70	+ 9 9.9	1.491	2.477	3.7	19.6
3 22	10 51.31	+ 9 37.0	1.531	2.487	8.3	19.9
4 1	10 43.81	+ 9 51.5	1.597	2.496	12.5	20.1
4 11	10 38.89	+ 9 51.4	1.684	2.506	16.0	20.4

78166 2002 NP_{30} 3 5.9 328°.48 8°.1/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.02	−16 31.3	1.914	2.648	16.8	19.0
2 11	11 24.77	−17 21.0	1.821	2.641	14.4	18.8
2 21	11 18.31	−17 47.0	1.749	2.635	11.7	18.6
3 2	11 10.27	−17 46.6	1.699	2.629	9.3	18.5
3 12	11 1.59	−17 20.2	1.675	2.624	8.1	18.4
3 22	10 53.31	−16 31.9	1.676	2.618	8.9	18.4
4 1	10 46.47	−15 28.4	1.702	2.613	11.2	18.5
4 11	10 41.81	−14 18.7	1.751	2.609	14.0	18.7

288871 2004 RR_{232} 3 5.9 254°.30 0°.0/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.75	+ 2 28.5	1.650	2.477	15.2	21.3
2 11	11 27.04	+ 3 4.5	1.556	2.462	11.5	21.0
2 21	11 19.82	+ 3 57.6	1.485	2.446	7.1	20.7
3 2	11 10.73	+ 5 3.1	1.441	2.430	2.1	20.4
3 12	11 0.88	+ 6 13.4	1.424	2.413	3.1	20.4
3 22	10 51.48	+ 7 20.0	1.435	2.396	8.2	20.7
4 1	10 43.72	+ 8 15.4	1.472	2.378	12.9	20.9
4 11	10 38.47	+ 8 54.5	1.530	2.360	17.0	21.1

207870 2007 VG_{214} 3 5.9 316°.52 0°.9/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.38	+ 0 2.8	2.150	2.964	12.6	20.8
2 11	11 22.41	+ 0 35.6	2.064	2.960	9.5	20.6
2 21	11 16.68	+ 1 22.7	2.001	2.957	6.0	20.3
3 2	11 9.76	+ 2 20.6	1.967	2.953	2.2	20.1
3 12	11 2.44	+ 3 23.9	1.961	2.950	2.2	20.1
3 22	10 55.54	+ 4 26.4	1.984	2.947	6.1	20.3
4 1	10 49.85	+ 5 22.4	2.034	2.944	9.7	20.5
4 11	10 45.94	+ 6 7.4	2.108	2.941	12.8	20.7

496254 2012 LE_{15} 3 5.9 246°.84 2°.1/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.60	+ 7 3.1	2.024	2.861	12.4	21.5
2 11	11 23.49	+ 8 24.1	1.937	2.851	9.1	21.2
2 21	11 17.43	+ 9 57.6	1.876	2.840	5.4	21.0
3 2	11 10.01	+11 36.7	1.842	2.830	2.2	20.7
3 12	11 2.07	+13 12.8	1.839	2.819	4.2	20.8
3 22	10 54.55	+14 38.1	1.864	2.808	8.1	21.1
4 1	10 48.32	+15 46.4	1.916	2.796	11.7	21.3
4 11	10 44.05	+16 34.5	1.990	2.784	14.9	21.4

279393 2010 CE_{160} 3 5.9 82°.96 0°.8/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.75	+ 4 42.6	1.989	2.818	12.9	20.8
2 11	11 24.11	+ 5 35.1	1.926	2.835	9.5	20.6
2 21	11 17.65	+ 6 38.7	1.889	2.851	5.6	20.4
3 2	11 10.02	+ 7 47.9	1.879	2.868	1.5	20.2
3 12	11 2.13	+ 8 55.6	1.898	2.884	3.0	20.3
3 22	10 54.86	+ 9 55.5	1.947	2.901	6.9	20.6
4 1	10 49.00	+10 42.8	2.021	2.917	10.5	20.8
4 11	10 45.08	+11 14.9	2.119	2.933	13.5	21.0

266919 2010 BS_{24} 3 5.9 115°.96 0°.9/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.90	− 0 7.2	1.971	2.784	13.6	21.1
2 11	11 24.33	+ 0 29.0	1.895	2.792	10.3	20.9
2 21	11 17.84	+ 1 20.7	1.844	2.800	6.4	20.7
3 2	11 10.10	+ 2 23.6	1.820	2.807	2.3	20.4
3 12	11 1.99	+ 3 31.5	1.825	2.814	2.4	20.4
3 22	10 54.43	+ 4 37.6	1.859	2.821	6.5	20.7
4 1	10 48.27	+ 5 35.8	1.919	2.828	10.2	20.9
4 11	10 44.09	+ 6 21.6	2.003	2.835	13.5	21.2

433663 2014 CW_{10} 3 5.9 180°.96 4°.0/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.20	+17 31.9	2.580	3.423	9.8	20.8
2 11	11 23.48	+18 33.8	2.511	3.424	7.3	20.6
2 21	11 17.20	+19 36.3	2.468	3.424	5.0	20.5
3 2	11 9.90	+20 33.6	2.454	3.424	4.0	20.4
3 12	11 2.30	+21 20.2	2.469	3.423	5.5	20.5
3 22	10 55.15	+21 52.3	2.513	3.423	7.9	20.6
4 1	10 49.11	+22 8.0	2.583	3.422	10.4	20.8
4 11	10 44.70	+22 7.1	2.674	3.422	12.7	21.0

104482 2000 GK_{23} 3 5.9 188°.10 1°.1/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.11	+ 7 27.3	2.505	3.330	10.7	20.4
2 11	11 24.15	+ 8 1.9	2.422	3.330	7.8	20.2
2 21	11 17.62	+ 8 43.6	2.366	3.329	4.6	20.0
3 2	11 10.03	+ 9 28.2	2.339	3.327	1.5	19.8
3 12	11 2.11	+10 10.9	2.342	3.326	2.9	19.9
3 22	10 54.61	+10 47.3	2.375	3.324	6.2	20.1
4 1	10 48.21	+11 14.1	2.435	3.322	9.3	20.3
4 11	10 43.44	+11 29.2	2.519	3.319	12.0	20.4

426553 2013 RY_{87} 3 5.9 90°.54 1°.9/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.89	− 1 58.3	2.001	2.805	13.8	21.3
2 11	11 25.00	− 1 45.2	1.928	2.817	10.6	21.1
2 21	11 18.22	− 1 16.7	1.879	2.828	6.9	20.9
3 2	11 10.21	− 0 35.7	1.857	2.840	3.1	20.7
3 12	11 1.86	+ 0 12.9	1.864	2.852	2.6	20.7
3 22	10 54.10	+ 1 3.2	1.899	2.863	6.2	21.0
4 1	10 47.74	+ 1 49.6	1.961	2.875	9.8	21.2
4 11	10 43.37	+ 2 27.4	2.047	2.886	12.9	21.4

258133 2001 RP_{48} 3 5.9 136°.17 7°.3/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.21	+25 9.0	2.096	2.941	11.7	20.6
2 11	11 26.79	+26 55.0	2.049	2.952	9.3	20.4
2 21	11 19.32	+28 35.3	2.029	2.963	7.6	20.3
3 2	11 10.52	+30 0.3	2.036	2.973	7.5	20.4
3 12	11 1.41	+31 2.8	2.072	2.983	9.1	20.5
3 22	10 52.99	+31 39.0	2.132	2.992	11.4	20.6
4 1	10 46.14	+31 48.5	2.216	3.001	13.8	20.8
4 11	10 41.44	+31 34.1	2.318	3.009	15.8	21.0

234879 2002 TG_{43} 3 5.9 81°.20 1°.0/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.72	+ 4 47.6	2.092	2.923	12.3	20.1
2 11	11 22.63	+ 5 50.7	2.021	2.931	9.0	19.9
2 21	11 16.79	+ 7 5.4	1.975	2.938	5.3	19.7
3 2	11 9.80	+ 8 25.9	1.957	2.946	1.5	19.4
3 12	11 2.49	+ 9 45.1	1.969	2.954	3.1	19.5
3 22	10 55.70	+10 56.2	2.010	2.962	6.9	19.8
4 1	10 50.18	+11 54.2	2.077	2.970	10.4	20.0
4 11	10 46.48	+12 35.9	2.167	2.978	13.3	20.2

179040 2001 RH_{151} 3 5.9 248°.52 4°.0/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.67	+14 50.3	2.038	2.880	12.1	21.1
2 11	11 27.31	+15 48.0	1.950	2.864	9.0	20.8
2 21	11 19.78	+16 50.0	1.886	2.847	5.8	20.6
3 2	11 10.72	+17 49.1	1.851	2.829	4.0	20.5
3 12	11 1.06	+18 37.9	1.845	2.811	5.9	20.5
3 22	10 51.85	+19 10.9	1.867	2.792	9.3	20.7
4 1	10 44.07	+19 24.8	1.914	2.773	12.7	20.9
4 11	10 38.45	+19 19.3	1.982	2.754	15.7	21.0

68229 2001 DL_{30} 3 5.9 327°.73 1°.2/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.55	+ 5 53.6	1.319	2.174	16.7	19.5
2 11	11 25.10	+ 6 26.4	1.239	2.160	12.4	19.2
2 21	11 18.83	+ 7 14.9	1.180	2.147	7.5	18.9
3 2	11 10.50	+ 8 12.6	1.146	2.135	2.2	18.5
3 12	11 1.38	+ 9 10.4	1.136	2.124	4.2	18.6
3 22	10 52.91	+ 9 59.0	1.152	2.113	9.7	18.9
4 1	10 46.41	+10 31.4	1.190	2.103	14.8	19.1
4 11	10 42.79	+10 43.7	1.248	2.094	19.1	19.4

9419 Keikochaki 3 5.9 104°.50 3°.1/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.29	− 4 35.0	1.508	2.314	17.5	18.0
2 11	11 28.04	− 4 22.1	1.442	2.329	13.6	17.8
2 21	11 20.27	− 3 46.6	1.397	2.343	9.1	17.6
3 2	11 10.84	− 2 51.4	1.378	2.358	4.6	17.4
3 12	11 0.98	− 1 43.5	1.385	2.372	3.6	17.3
3 22	10 51.96	− 0 31.4	1.419	2.385	7.6	17.6
4 1	10 44.86	+ 0 36.0	1.479	2.399	11.9	17.9
4 11	10 40.39	+ 1 31.8	1.561	2.411	15.7	18.1

140494 2001 TR_{151} 3 5.9 177°.38 3°.8/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.28	+17 23.2	2.686	3.525	9.6	20.5
2 11	11 24.21	+18 17.8	2.615	3.527	7.1	20.3
2 21	11 17.61	+19 12.9	2.572	3.528	4.8	20.2
3 2	11 10.03	+20 3.0	2.557	3.528	3.8	20.1
3 12	11 2.17	+20 43.0	2.573	3.529	5.1	20.2
3 22	10 54.75	+21 9.6	2.617	3.529	7.6	20.4
4 1	10 48.42	+21 20.8	2.687	3.528	10.0	20.5
4 11	10 43.68	+21 16.7	2.780	3.528	12.2	20.7

15830 1995 BW_1 3 5.9 41°.51 3°.8/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.05	+ 9 29.2	1.303	2.166	16.3	18.1
2 11	11 24.34	+11 2.3	1.259	2.185	11.7	17.9
2 21	11 18.06	+12 46.0	1.238	2.206	7.0	17.7
3 2	11 10.18	+14 28.6	1.242	2.227	3.8	17.6
3 12	11 2.02	+15 58.1	1.272	2.248	6.3	17.8
3 22	10 54.86	+17 5.5	1.328	2.271	10.6	18.1
4 1	10 49.73	+17 46.6	1.406	2.293	14.7	18.4
4 11	10 47.23	+18 1.2	1.503	2.316	18.0	18.6

341567 2007 UP_{48} 3 5.9 146°.68 4°.7/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.86	+20 2.1	2.526	3.368	10.1	20.8
2 11	11 24.70	+21 3.2	2.464	3.374	7.6	20.6
2 21	11 17.93	+22 2.8	2.429	3.380	5.4	20.5
3 2	11 10.13	+22 54.6	2.422	3.385	4.7	20.5
3 12	11 2.06	+23 33.6	2.445	3.390	6.1	20.6
3 22	10 54.51	+23 56.2	2.496	3.395	8.4	20.7
4 1	10 48.17	+24 1.2	2.571	3.400	10.8	20.9
4 11	10 43.53	+23 49.3	2.668	3.404	13.0	21.1

170981 2005 CH_{51} 3 5.9 337°.09 1°.2/ 6.8 18

2 1	11 29.15	+ 1 23.4	1.312	2.154	17.5	19.7
2 11	11 25.51	+ 1 31.6	1.234	2.145	13.3	19.4
2 21	11 19.06	+ 1 58.6	1.176	2.137	8.4	19.1
3 2	11 10.57	+ 2 40.6	1.142	2.130	3.0	18.7
3 12	11 1.32	+ 3 30.3	1.133	2.123	3.2	18.7
3 22	10 52.76	+ 4 19.3	1.149	2.117	8.8	19.0
4 1	10 46.19	+ 4 59.4	1.189	2.112	13.9	19.3
4 11	10 42.49	+ 5 24.8	1.248	2.107	18.3	19.5

169441 2002 AR_{131} 3 5.9 136°.83 7°.4/16.4 18

2 1	11 29.20	−24 10.7	2.934	3.578	13.2	20.3
2 11	11 24.16	−24 43.9	2.846	3.589	11.6	20.2
2 21	11 17.61	−24 56.6	2.778	3.600	10.0	20.0
3 2	11 10.05	−24 47.3	2.733	3.610	8.4	20.0
3 12	11 2.15	−24 16.6	2.715	3.620	7.5	19.9
3 22	10 54.61	−23 27.4	2.723	3.629	7.6	19.9
4 1	10 48.09	−22 24.2	2.758	3.638	8.6	20.0
4 11	10 43.10	−21 13.3	2.818	3.647	10.1	20.1

360725 2004 TT_{201} 3 5.9 243°.08 3°.5/ 8.9 17

2 1	11 32.06	− 5 53.2	1.812	2.601	15.6	21.6
2 11	11 27.13	− 5 47.9	1.711	2.587	12.4	21.4
2 21	11 19.84	− 5 21.8	1.632	2.571	8.7	21.1
3 2	11 10.79	− 4 35.8	1.579	2.555	4.9	20.8
3 12	11 0.98	− 3 34.3	1.553	2.538	3.8	20.7
3 22	10 51.54	− 2 24.1	1.556	2.521	7.2	20.9
4 1	10 43.60	− 1 13.2	1.586	2.503	11.4	21.1
4 11	10 37.97	− 0 9.4	1.638	2.484	15.3	21.3

50983 2000 GT_{93} 3 5.9 143°.87 3°.9/ 1.1 18 R

2 1	11 28.78	+16 19.9	2.439	3.282	10.3	18.4
2 11	11 23.96	+17 29.5	2.375	3.289	7.6	18.2
2 21	11 17.51	+18 40.5	2.337	3.295	5.1	18.1
3 2	11 10.02	+19 46.6	2.329	3.301	4.0	18.0
3 12	11 2.25	+20 41.9	2.350	3.307	5.5	18.1
3 22	10 54.97	+21 22.0	2.400	3.313	8.1	18.3
4 1	10 48.88	+21 44.8	2.475	3.318	10.7	18.4
4 11	10 44.49	+21 50.1	2.572	3.323	13.0	18.6

148116 1999 TD_{30} 3 5.9 88°.87 0°.1/ 6.1 18

2 1	11 35.35	+ 2 45.3	1.333	2.168	17.7	19.6
2 11	11 29.75	+ 3 11.9	1.276	2.185	13.2	19.4
2 21	11 21.36	+ 3 55.4	1.241	2.202	8.0	19.1
3 2	11 11.17	+ 4 49.9	1.231	2.219	2.4	18.8
3 12	11 0.61	+ 5 46.5	1.247	2.236	3.3	19.0
3 22	10 51.10	+ 6 36.8	1.290	2.253	8.7	19.3
4 1	10 43.81	+ 7 14.4	1.358	2.269	13.4	19.6
4 11	10 39.43	+ 7 35.5	1.445	2.285	17.3	19.9

264563 2001 TN_{10} 3 5.9 132°.77 0°.0/ 6.1 18

2 1	11 31.21	+ 2 30.4	2.337	3.147	11.9	21.9
2 11	11 25.70	+ 3 10.1	2.267	3.164	8.8	21.7
2 21	11 18.54	+ 4 0.8	2.222	3.180	5.3	21.5
3 2	11 10.32	+ 4 58.3	2.207	3.195	1.6	21.2
3 12	11 1.85	+ 5 57.2	2.222	3.210	2.2	21.3
3 22	10 53.92	+ 6 52.1	2.267	3.224	5.9	21.6
4 1	10 47.24	+ 7 38.5	2.340	3.237	9.2	21.8
4 11	10 42.32	+ 8 13.6	2.437	3.249	12.0	22.0

228893 Gerevich 3 5.9 204°.56 0°.7/ 5.2 18

2 1	11 28.47	+ 5 2.0	2.256	3.081	11.7	21.2
2 11	11 23.89	+ 5 48.2	2.172	3.078	8.7	21.0
2 21	11 17.57	+ 6 44.9	2.113	3.075	5.1	20.8
3 2	11 10.08	+ 7 47.5	2.082	3.071	1.4	20.5
3 12	11 2.19	+ 8 50.0	2.081	3.067	2.8	20.6
3 22	10 54.72	+ 9 46.6	2.110	3.063	6.5	20.8
4 1	10 48.45	+10 32.7	2.166	3.059	10.0	21.1
4 11	10 43.95	+11 5.2	2.245	3.054	13.0	21.2

24941 1997 JM_{14} 3 5.9 357°.48 2°.6/ 8.1 18

2 1	11 27.89	− 3 11.3	1.446	2.269	17.2	18.3
2 11	11 24.30	− 2 54.0	1.370	2.267	13.4	18.0
2 21	11 18.18	− 2 13.7	1.314	2.266	8.9	17.8
3 2	11 10.31	− 1 13.6	1.282	2.265	4.2	17.5
3 12	11 1.83	− 0 0.9	1.276	2.265	3.3	17.4
3 22	10 54.02	+ 1 15.2	1.297	2.265	7.8	17.7
4 1	10 48.00	+ 2 25.5	1.341	2.266	12.5	18.0
4 11	10 44.56	+ 3 22.4	1.407	2.267	16.6	18.2

428025 2006 BB_{259} 3 5.9 125°.06 1°.3/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.25	+ 6 42.1	2.119	2.950	12.2	21.7
2 11	11 24.47	+ 7 33.1	2.049	2.959	8.9	21.5
2 21	11 17.90	+ 8 33.4	2.004	2.967	5.2	21.3
3 2	11 10.17	+ 9 37.5	1.987	2.975	1.7	21.1
3 12	11 2.11	+10 38.9	2.000	2.983	3.3	21.2
3 22	10 54.60	+11 31.9	2.041	2.991	7.0	21.4
4 1	10 48.41	+12 12.2	2.110	2.999	10.4	21.7
4 11	10 44.10	+12 37.5	2.201	3.006	13.3	21.9

500232 2012 JE_{7} 3 5.9 327°.28 2°.4/ 4.0 17

2 1	11 29.09	+ 8 58.5	1.501	2.355	15.1	21.4
2 11	11 25.19	+ 9 40.8	1.422	2.343	11.1	21.1
2 21	11 18.75	+10 34.1	1.366	2.333	6.6	20.8
3 2	11 10.49	+11 31.2	1.335	2.323	2.7	20.5
3 12	11 1.59	+12 23.4	1.331	2.313	4.8	20.7
3 22	10 53.30	+13 3.1	1.352	2.304	9.6	20.9
4 1	10 46.81	+13 25.1	1.397	2.296	14.0	21.1
4 11	10 42.91	+13 27.1	1.461	2.288	17.8	21.4

229108 2004 RA_{51} 3 5.9 250°.87 1°.1/ 4.8 17

2 1	11 30.08	+ 6 5.6	2.214	3.040	11.9	21.3
2 11	11 25.26	+ 6 51.4	2.114	3.021	8.8	21.0
2 21	11 18.51	+ 7 48.0	2.040	3.002	5.3	20.8
3 2	11 10.39	+ 8 50.5	1.994	2.982	1.6	20.5
3 12	11 1.72	+ 9 52.8	1.978	2.962	3.2	20.6
3 22	10 53.37	+10 48.8	1.991	2.941	7.1	20.8
4 1	10 46.21	+11 33.6	2.031	2.920	10.7	20.9
4 11	10 40.92	+12 3.8	2.094	2.898	13.9	21.1

70224 1999 RZ_{49} 3 5.9 177°.66 1°.2/ 7.2 18

2 1	11 32.42	− 0 27.3	2.166	2.966	13.0	20.6
2 11	11 26.86	− 0 0.9	2.080	2.969	9.9	20.4
2 21	11 19.38	+ 0 39.7	2.019	2.971	6.3	20.2
3 2	11 10.62	+ 1 31.2	1.986	2.972	2.4	19.9
3 12	11 1.44	+ 2 28.4	1.984	2.972	2.3	19.9
3 22	10 52.74	+ 3 25.5	2.011	2.972	6.2	20.2
4 1	10 45.37	+ 4 16.9	2.066	2.971	9.8	20.4
4 11	10 39.93	+ 4 58.3	2.145	2.968	13.0	20.6

200790 2001 XD_{88} 3 5.9 62°.73 0°.2/ 6.2 18

2 1	11 33.58	+ 2 52.6	1.311	2.151	17.7	20.0
2 11	11 28.45	+ 3 15.9	1.258	2.169	13.2	19.7
2 21	11 20.58	+ 3 55.9	1.225	2.188	8.0	19.5
3 2	11 10.98	+ 4 46.7	1.217	2.206	2.4	19.2
3 12	11 1.03	+ 5 39.7	1.236	2.225	3.3	19.3
3 22	10 52.14	+ 6 26.6	1.280	2.244	8.6	19.7
4 1	10 45.43	+ 7 1.1	1.349	2.263	13.3	20.0
4 11	10 41.56	+ 7 19.7	1.438	2.282	17.1	20.3

158748 2003 QX_{56} 3 5.9 217°.23 1°.7/ 3.8 18

2 1	11 27.88	+ 7 24.5	2.448	3.277	10.8	20.7
2 11	11 23.40	+ 8 35.4	2.360	3.269	7.9	20.5
2 21	11 17.27	+ 9 55.8	2.297	3.261	4.7	20.3
3 2	11 10.02	+11 20.2	2.265	3.252	1.8	20.1
3 12	11 2.37	+12 42.0	2.263	3.243	3.5	20.2
3 22	10 55.06	+13 55.0	2.291	3.233	6.8	20.4
4 1	10 48.83	+14 54.6	2.347	3.223	10.0	20.5
4 11	10 44.24	+15 38.2	2.425	3.212	12.8	20.7

372587 2009 UD_{109} 3 5.9 137°.70 1°.5/ 4.4 17

2 1	11 30.55	+ 7 43.4	2.080	2.911	12.3	21.7
2 11	11 25.48	+ 8 27.5	2.008	2.919	9.0	21.5
2 21	11 18.55	+ 9 19.9	1.962	2.925	5.3	21.3
3 2	11 10.38	+10 15.3	1.944	2.932	1.8	21.1
3 12	11 1.88	+11 7.3	1.955	2.938	3.5	21.2
3 22	10 53.95	+11 50.6	1.995	2.944	7.2	21.5
4 1	10 47.39	+12 21.2	2.062	2.949	10.7	21.7
4 11	10 42.78	+12 37.0	2.151	2.955	13.6	21.9

85398 1996 TH_{6} 3 5.9 160°.36 4°.4/11.5 17

2 1	11 30.10	−12 35.8	2.716	3.448	12.4	20.8
2 11	11 24.83	−12 31.9	2.626	3.456	10.2	20.6
2 21	11 18.03	−12 10.3	2.560	3.464	7.7	20.5
3 2	11 10.23	−11 31.4	2.520	3.471	5.4	20.4
3 12	11 2.10	−10 38.1	2.509	3.477	4.4	20.3
3 22	10 54.37	− 9 34.8	2.529	3.482	5.6	20.4
4 1	10 47.69	− 8 26.7	2.577	3.487	7.9	20.5
4 11	10 42.56	− 7 19.7	2.652	3.491	10.3	20.7

491793 2012 XF_{15} 3 5.9 93°.32 1°.2/ 5.1 18

2 1	11 36.48	+ 6 20.9	1.371	2.211	17.0	21.7
2 11	11 30.54	+ 6 51.9	1.315	2.228	12.5	21.5
2 21	11 21.83	+ 7 35.4	1.281	2.245	7.4	21.2
3 2	11 11.35	+ 8 24.4	1.272	2.261	2.2	20.9
3 12	11 0.51	+ 9 10.3	1.291	2.277	4.0	21.1
3 22	10 50.74	+ 9 45.9	1.336	2.293	9.1	21.4
4 1	10 43.19	+10 6.5	1.406	2.309	13.6	21.7
4 11	10 38.53	+10 10.0	1.496	2.324	17.4	22.0

32605 Lucy 3 5.9 285.°90 2.°5/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.33	+11 5.1	2.184	3.023	11.5	18.9
2 11	11 24.73	+11 47.0	2.088	3.002	8.5	18.7
2 21	11 18.21	+12 35.3	2.018	2.982	5.2	18.4
3 2	11 10.33	+13 24.6	1.975	2.961	2.6	18.2
3 12	11 1.90	+14 8.8	1.962	2.939	4.3	18.3
3 22	10 53.84	+14 42.7	1.977	2.918	7.8	18.5
4 1	10 47.00	+15 2.5	2.018	2.897	11.3	18.6
4 11	10 42.05	+15 6.5	2.081	2.876	14.3	18.8

155596 2000 CB_{42} 3 5.9 63.°48 3.°0/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.64	− 3 39.4	1.273	2.097	19.0	19.8
2 11	11 27.22	− 3 27.0	1.211	2.108	14.8	19.6
2 21	11 19.98	− 2 49.5	1.169	2.120	9.8	19.3
3 2	11 10.85	− 1 50.5	1.150	2.133	4.7	19.1
3 12	11 1.22	− 0 38.2	1.157	2.145	3.7	19.0
3 22	10 52.52	+ 0 37.2	1.189	2.157	8.4	19.3
4 1	10 45.98	+ 1 45.8	1.245	2.170	13.2	19.6
4 11	10 42.34	+ 2 40.0	1.321	2.183	17.3	19.9

147235 2002 XD_{52} 3 5.9 38.°29 2.°9/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.89	+10 6.8	1.532	2.384	14.9	19.8
2 11	11 26.30	+10 55.2	1.469	2.390	10.9	19.6
2 21	11 19.27	+11 52.1	1.429	2.396	6.5	19.4
3 2	11 10.62	+12 49.9	1.415	2.402	3.0	19.2
3 12	11 1.56	+13 40.0	1.429	2.409	5.1	19.3
3 22	10 53.29	+14 15.7	1.468	2.416	9.4	19.6
4 1	10 46.87	+14 33.0	1.531	2.423	13.5	19.8
4 11	10 42.97	+14 31.0	1.615	2.430	16.9	20.1

48274 2002 CY_{235} 3 5.9 224.°25 2.°3/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.83	+10 26.9	2.263	3.097	11.4	19.8
2 11	11 25.70	+11 13.5	2.176	3.088	8.4	19.6
2 21	11 18.71	+12 6.4	2.115	3.078	5.0	19.4
3 2	11 10.46	+13 0.3	2.083	3.069	2.4	19.2
3 12	11 1.75	+13 49.3	2.081	3.058	4.0	19.3
3 22	10 53.48	+14 28.1	2.107	3.048	7.5	19.5
4 1	10 46.44	+14 53.3	2.161	3.037	10.8	19.7
4 11	10 41.26	+15 3.2	2.237	3.025	13.7	19.8

364646 2007 TY_{148} 3 6.0 105.°60 0.°1/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.17	+ 2 15.9	1.720	2.542	14.9	22.0
2 11	11 27.64	+ 2 53.9	1.659	2.561	11.1	21.8
2 21	11 19.91	+ 3 46.5	1.620	2.580	6.7	21.6
3 2	11 10.79	+ 4 48.1	1.609	2.598	2.0	21.3
3 12	11 1.36	+ 5 51.6	1.627	2.615	2.8	21.4
3 22	10 52.72	+ 6 49.6	1.672	2.632	7.3	21.8
4 1	10 45.80	+ 7 36.5	1.744	2.649	11.4	22.0
4 11	10 41.20	+ 8 8.6	1.839	2.665	14.7	22.3

424828 2008 UK_{210} 3 6.0 137.°02 0.°6/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.79	+ 5 15.3	2.202	3.026	12.0	21.7
2 11	11 24.85	+ 5 46.6	2.126	3.032	8.9	21.5
2 21	11 18.14	+ 6 27.4	2.076	3.037	5.3	21.3
3 2	11 10.28	+ 7 13.3	2.053	3.042	1.5	21.1
3 12	11 2.09	+ 7 58.9	2.060	3.047	2.7	21.2
3 22	10 54.40	+ 8 39.3	2.096	3.052	6.4	21.4
4 1	10 47.99	+ 9 10.4	2.160	3.056	9.9	21.6
4 11	10 43.41	+ 9 29.5	2.246	3.061	12.8	21.8

298295 2003 BW_{18} 3 6.0 357.°46 9.°2/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.28	−18 46.0	2.002	2.714	16.8	19.8
2 11	11 26.44	−20 6.1	1.914	2.712	14.6	19.6
2 21	11 19.39	−21 3.9	1.845	2.710	12.3	19.4
3 2	11 10.72	−21 35.5	1.800	2.709	10.3	19.3
3 12	11 1.39	−21 40.0	1.780	2.708	9.2	19.2
3 22	10 52.46	−21 19.6	1.784	2.708	9.7	19.3
4 1	10 44.95	−20 40.2	1.814	2.709	11.5	19.4
4 11	10 39.64	−19 49.5	1.866	2.710	13.8	19.5

287824 2003 SK_{195} 3 6.0 132.°21 1.°8/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.85	− 1 6.8	1.842	2.647	14.8	21.1
2 11	11 28.13	− 0 58.3	1.768	2.658	11.3	20.9
2 21	11 20.24	− 0 34.0	1.718	2.669	7.3	20.6
3 2	11 10.92	+ 0 2.9	1.695	2.679	3.2	20.4
3 12	11 1.19	+ 0 47.4	1.700	2.688	2.7	20.4
3 22	10 52.13	+ 1 33.3	1.734	2.698	6.7	20.7
4 1	10 44.68	+ 2 14.8	1.795	2.706	10.7	20.9
4 11	10 39.49	+ 2 47.1	1.879	2.714	14.1	21.1

208714 2002 JF_{95} 3 6.0 299.°36 1.°3/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.29	+ 6 29.8	1.457	2.303	15.8	20.1
2 11	11 27.02	+ 6 59.1	1.370	2.287	11.8	19.8
2 21	11 20.00	+ 7 41.8	1.306	2.271	7.1	19.5
3 2	11 10.94	+ 8 32.3	1.266	2.255	2.1	19.1
3 12	11 1.07	+ 9 22.2	1.253	2.239	4.1	19.2
3 22	10 51.74	+10 3.5	1.266	2.224	9.4	19.5
4 1	10 44.28	+10 29.9	1.302	2.209	14.2	19.7
4 11	10 39.58	+10 38.0	1.359	2.194	18.5	19.9

499814 2011 CT_{112} 3 6.0 310.°90 2.°8/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.71	− 3 21.8	1.742	2.551	15.3	21.4
2 11	11 24.65	− 3 19.5	1.651	2.540	12.0	21.1
2 21	11 18.34	− 2 58.6	1.582	2.530	8.1	20.9
3 2	11 10.42	− 2 20.7	1.539	2.520	4.1	20.6
3 12	11 1.87	− 1 30.6	1.523	2.510	3.3	20.5
3 22	10 53.79	− 0 35.0	1.534	2.500	7.1	20.7
4 1	10 47.20	+ 0 19.0	1.570	2.491	11.3	21.0
4 11	10 42.88	+ 1 4.9	1.629	2.482	15.0	21.2

463138 2011 WZ_{108} 3 6.0 141.°81 1.°8/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 34.27	+ 8 0.1	1.909	2.739	13.3	22.3
2 11	11 28.35	+ 8 49.4	1.842	2.751	9.8	22.1
2 21	11 20.32	+ 9 47.4	1.800	2.763	5.8	21.8
3 2	11 10.94	+10 48.0	1.787	2.774	2.1	21.6
3 12	11 1.21	+11 44.0	1.803	2.785	3.9	21.8
3 22	10 52.18	+12 29.3	1.847	2.794	7.8	22.0
4 1	10 44.75	+13 0.0	1.919	2.803	11.5	22.3
4 11	10 39.53	+13 14.5	2.012	2.811	14.6	22.5

58725 1998 DZ_{18} 3 6.0 240.°48 1.°1/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.99	+ 6 14.8	2.380	3.203	11.3	20.8
2 11	11 25.07	+ 7 1.3	2.281	3.186	8.3	20.6
2 21	11 18.36	+ 7 57.6	2.207	3.169	5.0	20.3
3 2	11 10.40	+ 8 59.2	2.162	3.151	1.5	20.1
3 12	11 1.93	+10 0.4	2.148	3.132	3.0	20.1
3 22	10 53.78	+10 55.4	2.164	3.113	6.7	20.3
4 1	10 46.74	+11 39.8	2.207	3.093	10.1	20.5
4 11	10 41.44	+12 10.6	2.273	3.073	13.1	20.7

198579 2004 YR_{11} 3 6.0 15.°36 2.°0/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.25	+ 8 22.5	1.687	2.534	14.0	19.7
2 11	11 24.20	+ 9 7.7	1.619	2.537	10.2	19.4
2 21	11 17.96	+10 2.5	1.575	2.541	6.0	19.2
3 2	11 10.28	+11 0.4	1.557	2.544	2.3	18.9
3 12	11 2.18	+11 53.8	1.566	2.549	4.2	19.1
3 22	10 54.75	+12 35.9	1.602	2.554	8.4	19.3
4 1	10 48.92	+13 2.4	1.663	2.559	12.3	19.6
4 11	10 45.34	+13 11.3	1.745	2.565	15.7	19.8

186140 2001 TX_{214} 3 6.0 254.°67 1.°5/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 35.92	+ 9 23.0	1.850	2.682	13.6	19.7
2 11	11 29.82	+ 9 29.5	1.765	2.674	10.1	19.4
2 21	11 21.37	+ 9 42.0	1.704	2.666	6.1	19.2
3 2	11 11.29	+ 9 55.9	1.670	2.658	2.0	18.9
3 12	11 0.65	+10 6.2	1.666	2.650	3.7	19.0
3 22	10 50.60	+10 8.5	1.690	2.642	8.0	19.2
4 1	10 42.19	+ 9 59.9	1.741	2.634	12.0	19.4
4 11	10 36.16	+ 9 39.1	1.813	2.626	15.5	19.6

295405 2008 JU_{15} 3 6.0 293.°24 0.°2/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.98	+ 2 34.1	1.712	2.541	14.7	21.3
2 11	11 25.54	+ 3 2.6	1.632	2.538	11.0	21.1
2 21	11 18.83	+ 3 46.2	1.574	2.534	6.8	20.8
3 2	11 10.56	+ 4 40.0	1.543	2.531	2.1	20.5
3 12	11 1.75	+ 5 37.5	1.539	2.528	2.8	20.5
3 22	10 53.52	+ 6 31.4	1.563	2.525	7.5	20.8
4 1	10 46.87	+ 7 15.4	1.613	2.522	11.8	21.1
4 11	10 42.52	+ 7 45.2	1.684	2.519	15.5	21.3

423571 2005 UM_{511} 3 6.0 50.°09 1.°2/ 7.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.84	+ 0 27.2	1.718	2.540	14.9	21.4
2 11	11 25.32	+ 0 45.3	1.646	2.546	11.3	21.2
2 21	11 18.63	+ 1 19.4	1.597	2.553	7.1	21.0
3 2	11 10.48	+ 2 5.4	1.573	2.560	2.7	20.7
3 12	11 1.91	+ 2 57.3	1.578	2.567	2.6	20.7
3 22	10 53.98	+ 3 48.2	1.609	2.574	7.0	21.0
4 1	10 47.66	+ 4 31.9	1.667	2.581	11.2	21.3
4 11	10 43.58	+ 5 3.9	1.747	2.589	14.7	21.5

289106 2004 TK_{322} 3 6.0 135.°85 2.°5/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.58	− 3 36.8	1.733	2.535	15.7	20.9
2 11	11 27.35	− 3 19.1	1.659	2.544	12.2	20.7
2 21	11 19.85	− 2 41.8	1.607	2.553	8.1	20.4
3 2	11 10.84	− 1 47.9	1.581	2.562	3.9	20.2
3 12	11 1.38	− 0 43.5	1.583	2.570	3.1	20.2
3 22	10 52.59	+ 0 24.0	1.613	2.578	7.0	20.4
4 1	10 45.46	+ 1 27.0	1.670	2.585	11.1	20.7
4 11	10 40.66	+ 2 19.4	1.749	2.592	14.6	20.9

28714 Gandall 3 6.0 208.°82 2.°0/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 33.98	+ 8 4.5	1.830	2.663	13.7	18.8
2 11	11 28.43	+ 8 54.5	1.747	2.657	10.1	18.6
2 21	11 20.56	+ 9 54.8	1.688	2.651	6.0	18.3
3 2	11 11.07	+10 59.1	1.656	2.644	2.3	18.1
3 12	11 1.00	+11 59.6	1.654	2.636	4.2	18.2
3 22	10 51.47	+12 49.4	1.680	2.627	8.4	18.4
4 1	10 43.54	+13 23.6	1.732	2.618	12.5	18.6
4 11	10 37.95	+13 39.9	1.806	2.607	15.9	18.8