491238 2011 UH_{201} 3 18.0 229°.22 1°.4/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.96	+ 0 40.4	1.887	2.700	14.2	22.2
2 21	12 12.36	+ 1 38.0	1.789	2.687	10.8	22.0
3 2	12 5.44	+ 2 50.8	1.715	2.673	6.9	21.7
3 12	11 56.78	+ 4 13.3	1.669	2.658	2.6	21.4
3 22	11 47.27	+ 5 37.7	1.651	2.642	2.9	21.4
4 1	11 37.99	+ 6 55.6	1.663	2.625	7.4	21.6
4 11	11 29.99	+ 7 59.6	1.701	2.608	11.6	21.8
4 21	11 24.05	+ 8 45.3	1.762	2.589	15.3	22.0

32506 2001 KP_{30} 3 18.0 287°.87 8°.0/10.8 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.89	+18 15.9	1.621	2.466	14.6	18.8
2 21	12 13.50	+19 33.2	1.542	2.449	11.6	18.6
3 2	12 6.35	+20 49.8	1.486	2.431	9.0	18.4
3 12	11 57.16	+21 55.1	1.455	2.413	8.0	18.3
3 22	11 47.03	+22 39.1	1.449	2.395	9.6	18.3
4 1	11 37.29	+22 55.0	1.468	2.377	12.8	18.5
4 11	11 29.21	+22 40.5	1.510	2.360	16.2	18.6
4 21	11 23.64	+21 58.0	1.569	2.342	19.3	18.8

63632 2001 QG_{84} 3 18.0 100°.09 3°.3/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.44	−13 27.4	1.961	2.722	15.6	19.5
2 21	12 9.37	−12 49.8	1.885	2.739	12.6	19.3
3 2	12 3.28	−11 48.7	1.831	2.756	9.1	19.1
3 12	11 55.86	−10 26.9	1.802	2.773	5.4	18.9
3 22	11 47.95	− 8 50.2	1.801	2.789	3.3	18.8
4 1	11 40.50	− 7 6.7	1.829	2.805	5.5	19.0
4 11	11 34.36	− 5 25.5	1.886	2.821	9.0	19.2
4 21	11 30.10	− 3 54.1	1.967	2.836	12.3	19.5

147340 2003 BC_{57} 3 18.0 130°.05 2°.0/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.72	+ 4 7.2	2.337	3.148	11.9	20.8
2 21	12 11.43	+ 5 4.7	2.270	3.168	8.9	20.6
3 2	12 4.40	+ 6 9.9	2.229	3.186	5.5	20.4
3 12	11 56.25	+ 7 17.3	2.216	3.204	2.4	20.2
3 22	11 47.71	+ 8 20.9	2.235	3.221	3.1	20.3
4 1	11 39.61	+ 9 15.3	2.283	3.237	6.3	20.5
4 11	11 32.67	+ 9 56.5	2.359	3.252	9.4	20.7
4 21	11 27.39	+10 22.6	2.459	3.266	12.1	21.0

498535 2008 FN_{126} 3 18.0 272°.43 7°.7/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.53	+19 52.1	1.793	2.628	13.9	21.7
2 21	12 15.18	+20 51.3	1.717	2.616	11.1	21.5
3 2	12 7.23	+21 46.8	1.664	2.604	8.6	21.3
3 12	11 57.44	+22 29.2	1.637	2.592	7.7	21.2
3 22	11 46.88	+22 50.7	1.637	2.580	9.0	21.2
4 1	11 36.79	+22 46.4	1.663	2.568	11.8	21.4
4 11	11 28.33	+22 15.5	1.711	2.555	14.8	21.5
4 21	11 22.23	+21 20.7	1.780	2.543	17.7	21.7

517664 2015 BO_{544} 3 18.0 110°.63 3°.7/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.76	+ 9 50.0	2.107	2.938	12.3	21.6
2 21	12 10.24	+10 42.3	2.037	2.944	9.2	21.4
3 2	12 3.79	+11 38.6	1.992	2.950	6.0	21.2
3 12	11 56.05	+12 32.5	1.975	2.956	3.8	21.1
3 22	11 47.83	+13 17.9	1.986	2.961	4.9	21.2
4 1	11 40.03	+13 49.6	2.025	2.966	7.9	21.4
4 11	11 33.47	+14 4.6	2.090	2.972	11.0	21.6
4 21	11 28.69	+14 2.3	2.178	2.977	13.7	21.7

465122 2006 WL_{157} 3 18.0 48°.34 0°.9/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.97	+ 1 40.3	1.294	2.124	18.5	20.9
2 21	12 16.21	+ 1 54.4	1.257	2.162	13.9	20.8
3 2	12 7.67	+ 2 21.4	1.240	2.200	8.6	20.6
3 12	11 57.47	+ 2 54.7	1.248	2.238	3.1	20.3
3 22	11 46.99	+ 3 27.2	1.283	2.276	2.7	20.4
4 1	11 37.61	+ 3 52.1	1.344	2.314	7.7	20.8
4 11	11 30.42	+ 4 4.7	1.429	2.352	12.2	21.2
4 21	11 25.93	+ 4 3.1	1.536	2.391	15.8	21.5

95 Arethusa 3 18.0 132°.97 4°.5/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.41	−17 52.7	2.673	3.388	13.0	13.5
2 21	12 8.19	−17 51.8	2.583	3.398	10.8	13.4
3 2	12 2.38	−17 32.4	2.514	3.407	8.4	13.2
3 12	11 55.50	−16 54.8	2.471	3.416	6.1	13.1
3 22	11 48.19	−16 1.4	2.456	3.425	4.6	13.0
4 1	11 41.15	−14 56.3	2.470	3.433	5.2	13.1
4 11	11 35.06	−13 45.2	2.512	3.441	7.3	13.2
4 21	11 30.40	−12 34.1	2.581	3.449	9.7	13.4

465332 2007 VW_{88} 3 18.0 120°.46 6°.8/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.41	−21 57.2	1.996	2.699	17.2	22.0
2 21	12 12.48	−22 5.8	1.918	2.718	14.6	21.8
3 2	12 5.33	−21 47.7	1.858	2.736	11.7	21.6
3 12	11 56.67	−21 1.9	1.822	2.753	8.9	21.5
3 22	11 47.43	−19 51.1	1.811	2.770	7.0	21.4
4 1	11 38.67	−18 21.3	1.829	2.786	7.3	21.5
4 11	11 31.35	−16 41.5	1.873	2.801	9.5	21.6
4 21	11 26.10	−15 1.2	1.943	2.815	12.3	21.8

293934 MPIA 3 18.0 85°.94 2°.4/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.80	− 7 14.0	1.585	2.381	17.3	21.2
2 21	12 13.07	− 7 7.3	1.519	2.399	13.6	21.0
3 2	12 5.82	− 6 40.3	1.473	2.416	9.2	20.8
3 12	11 56.87	− 5 56.2	1.451	2.433	4.7	20.5
3 22	11 47.32	− 5 0.5	1.457	2.450	2.6	20.4
4 1	11 38.38	− 4 0.8	1.490	2.466	6.4	20.7
4 11	11 31.12	− 3 5.2	1.549	2.483	10.7	21.0
4 21	11 26.21	− 2 19.8	1.631	2.499	14.4	21.3

264666 2001 XO_{135} 3 18.0 72°.86 1°.5/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.09	− 6 13.5	1.751	2.551	15.7	21.0
2 21	12 10.07	− 5 48.9	1.679	2.564	12.2	20.8
3 2	12 3.84	− 5 5.7	1.629	2.576	8.2	20.6
3 12	11 56.11	− 4 7.5	1.605	2.589	3.8	20.4
3 22	11 47.81	− 3 0.5	1.608	2.602	1.9	20.2
4 1	11 40.01	− 1 52.1	1.639	2.615	5.9	20.5
4 11	11 33.64	− 0 49.9	1.696	2.628	10.0	20.8
4 21	11 29.32	+ 0 0.4	1.777	2.641	13.6	21.0

230457 2002 RS_{118} 3 18.0 147°.62 3°.0/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.59	+ 7 36.7	2.250	3.077	11.7	20.4
2 21	12 9.27	+ 8 29.9	2.175	3.080	8.8	20.2
3 2	12 3.15	+ 9 28.9	2.125	3.084	5.6	20.0
3 12	11 55.82	+10 27.9	2.103	3.087	3.1	19.9
3 22	11 48.02	+11 20.9	2.110	3.090	4.1	19.9
4 1	11 40.57	+12 2.5	2.146	3.093	7.1	20.1
4 11	11 34.23	+12 29.3	2.208	3.095	10.2	20.3
4 21	11 29.55	+12 39.9	2.293	3.098	13.0	20.5

522996 2016 PT_{120} 3 18.0 262°.74 0°.3/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.03	− 2 47.1	2.452	3.251	11.8	21.7
2 21	12 7.30	− 2 14.8	2.355	3.243	9.1	21.5
3 2	12 1.91	− 1 30.1	2.283	3.234	5.9	21.3
3 12	11 55.37	− 0 36.3	2.238	3.226	2.3	21.1
3 22	11 48.30	+ 0 22.1	2.223	3.217	1.4	21.0
4 1	11 41.45	+ 1 19.8	2.237	3.209	5.0	21.2
4 11	11 35.53	+ 2 11.5	2.279	3.200	8.4	21.4
4 21	11 31.06	+ 2 53.4	2.346	3.191	11.4	21.6

518436 2003 SG_{435} 3 18.0 69°.30 1°.4/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.32	− 6 4.5	2.020	2.815	14.1	21.5
2 21	12 8.55	− 5 38.4	1.936	2.817	11.0	21.3
3 2	12 2.82	− 4 55.6	1.874	2.820	7.4	21.1
3 12	11 55.73	− 3 59.3	1.839	2.823	3.5	20.8
3 22	11 48.08	− 2 54.6	1.831	2.825	1.7	20.7
4 1	11 40.76	− 1 48.0	1.853	2.828	5.4	20.9
4 11	11 34.62	− 0 46.4	1.901	2.831	9.2	21.2
4 21	11 30.27	+ 0 5.1	1.973	2.834	12.6	21.4

117950 6337 P–L 3 18.0 167°.71 0°.2/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.29	− 2 28.3	2.145	2.948	13.1	20.3
2 21	12 9.17	− 1 58.2	2.059	2.949	10.1	20.1
3 2	12 3.17	− 1 14.8	1.998	2.950	6.5	19.8
3 12	11 55.87	− 0 21.8	1.963	2.951	2.6	19.6
3 22	11 48.02	+ 0 35.5	1.958	2.952	1.5	19.5
4 1	11 40.48	+ 1 31.3	1.981	2.953	5.5	19.8
4 11	11 34.08	+ 2 19.9	2.031	2.953	9.2	20.0
4 21	11 29.38	+ 2 57.3	2.106	2.953	12.4	20.2

206209 2002 VW_{9} 3 18.0 99°.99 3°.9/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.90	+11 41.3	2.191	3.019	12.0	20.3
2 21	12 11.78	+12 16.3	2.120	3.024	9.1	20.1
3 2	12 4.75	+12 52.9	2.074	3.029	6.0	20.0
3 12	11 56.44	+13 25.6	2.055	3.034	3.9	19.8
3 22	11 47.67	+13 49.0	2.066	3.039	4.9	19.9
4 1	11 39.33	+13 59.1	2.105	3.044	7.7	20.1
4 11	11 32.23	+13 53.8	2.169	3.049	10.7	20.3
4 21	11 26.93	+13 33.2	2.257	3.053	13.4	20.5

205567 2001 SP_{309} 3 18.0 124°.73 2°.2/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.71	− 7 17.7	1.603	2.398	17.1	20.8
2 21	12 13.09	− 7 1.8	1.528	2.409	13.5	20.6
3 2	12 5.91	− 6 25.0	1.475	2.418	9.2	20.4
3 12	11 56.96	− 5 30.4	1.446	2.428	4.6	20.1
3 22	11 47.30	− 4 23.9	1.444	2.437	2.4	20.0
4 1	11 38.18	− 3 13.8	1.470	2.446	6.5	20.3
4 11	11 30.69	− 2 8.6	1.522	2.454	10.9	20.5
4 21	11 25.56	− 1 15.0	1.596	2.462	14.8	20.8

102767 1999 VZ_{136} 3 18.0 317°.83 1°.5/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.50	− 5 11.7	1.315	2.135	18.8	20.4
2 21	12 12.03	− 4 55.1	1.236	2.133	14.8	20.1
3 2	12 5.59	− 4 15.5	1.177	2.130	9.9	19.8
3 12	11 56.94	− 3 16.6	1.142	2.128	4.5	19.5
3 22	11 47.29	− 2 5.5	1.131	2.126	2.3	19.4
4 1	11 38.12	− 0 52.4	1.146	2.124	7.6	19.7
4 11	11 30.79	+ 0 12.5	1.185	2.122	12.9	20.0
4 21	11 26.19	+ 1 1.5	1.244	2.120	17.5	20.2

102123 1999 RP_{175} 3 18.0 239°.06 0°.7/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.04	− 3 6.3	2.624	3.415	11.3	20.0
2 21	12 8.71	− 2 54.9	2.527	3.408	8.8	19.8
3 2	12 2.77	− 2 33.1	2.453	3.401	5.8	19.6
3 12	11 55.71	− 2 3.0	2.408	3.393	2.5	19.3
3 22	11 48.14	− 1 28.1	2.392	3.386	1.3	19.2
4 1	11 40.78	− 0 52.5	2.406	3.378	4.6	19.4
4 11	11 34.31	− 0 20.3	2.448	3.371	7.8	19.6
4 21	11 29.25	+ 0 5.2	2.516	3.363	10.7	19.8

101748 1999 FL_{13} 3 18.0 60°.00 0°.3/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.09	− 2 8.8	1.677	2.496	15.5	20.1
2 21	12 9.45	− 1 23.0	1.604	2.503	11.8	19.8
3 2	12 3.53	− 0 20.3	1.553	2.510	7.5	19.6
3 12	11 56.05	+ 0 53.8	1.528	2.517	2.8	19.3
3 22	11 47.94	+ 2 11.7	1.530	2.524	2.1	19.3
4 1	11 40.30	+ 3 24.8	1.560	2.531	6.8	19.6
4 11	11 34.11	+ 4 25.9	1.615	2.539	11.0	19.9
4 21	11 30.02	+ 5 10.1	1.693	2.546	14.7	20.1

503246 2015 KV_{6} 3 18.0 255°.90 1°.0/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.93	− 6 20.0	2.604	3.388	11.6	21.1
2 21	12 6.41	− 5 39.9	2.502	3.378	9.0	20.9
3 2	12 1.34	− 4 45.2	2.424	3.368	6.1	20.7
3 12	11 55.18	− 3 38.8	2.373	3.357	2.8	20.5
3 22	11 48.53	− 2 25.1	2.353	3.347	1.4	20.4
4 1	11 42.06	− 1 9.5	2.362	3.336	4.6	20.6
4 11	11 36.45	+ 0 2.2	2.400	3.325	7.8	20.8
4 21	11 32.19	+ 1 5.1	2.464	3.314	10.7	20.9

285968 2001 RY_{103} 3 18.0 216°.32 1°.7/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.31	+ 3 53.8	2.266	3.078	12.2	21.8
2 21	12 12.20	+ 4 29.4	2.172	3.069	9.2	21.5
3 2	12 5.13	+ 5 13.5	2.103	3.060	5.8	21.3
3 12	11 56.66	+ 6 1.4	2.062	3.050	2.4	21.1
3 22	11 47.55	+ 6 47.7	2.050	3.039	2.8	21.1
4 1	11 38.70	+ 7 27.2	2.069	3.028	6.4	21.3
4 11	11 30.96	+ 7 55.5	2.115	3.016	10.0	21.5
4 21	11 24.94	+ 8 10.1	2.184	3.003	13.1	21.6

174520 2003 DY_{3} 3 18.0 115°.79 2°.1/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.92	− 6 49.3	2.583	3.351	12.1	20.6
2 21	12 11.56	− 7 3.5	2.499	3.363	9.5	20.5
3 2	12 4.53	− 7 6.0	2.440	3.374	6.6	20.3
3 12	11 56.37	− 6 58.1	2.408	3.385	3.6	20.1
3 22	11 47.78	− 6 42.1	2.406	3.396	2.2	20.0
4 1	11 39.49	− 6 21.4	2.434	3.407	4.6	20.2
4 11	11 32.23	− 5 59.9	2.491	3.417	7.5	20.4
4 21	11 26.49	− 5 41.2	2.574	3.427	10.2	20.6

225998 2002 DA_{8} 3 18.0 340°.85 8°.0/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.26	+19 13.4	1.577	2.423	14.9	19.3
2 21	12 13.68	+20 10.9	1.510	2.416	11.9	19.1
3 2	12 6.38	+21 4.4	1.466	2.411	9.1	19.0
3 12	11 57.18	+21 43.9	1.446	2.405	8.0	18.9
3 22	11 47.25	+22 1.3	1.452	2.400	9.4	18.9
4 1	11 37.91	+21 51.5	1.482	2.396	12.3	19.1
4 11	11 30.35	+21 14.2	1.535	2.393	15.5	19.3
4 21	11 25.30	+20 12.6	1.606	2.389	18.5	19.5

286286 2001 VA_{116} 3 18.0 147°.88 3°.8/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.70	−15 40.1	2.870	3.594	12.0	21.1
2 21	12 8.32	−15 40.5	2.778	3.602	9.9	20.9
3 2	12 2.45	−15 24.8	2.708	3.610	7.5	20.8
3 12	11 55.58	−14 53.6	2.664	3.617	5.2	20.7
3 22	11 48.30	−14 9.1	2.649	3.624	3.9	20.6
4 1	11 41.25	−13 14.9	2.664	3.630	4.7	20.6
4 11	11 35.08	−12 16.1	2.707	3.636	6.9	20.8
4 21	11 30.24	−11 17.6	2.777	3.642	9.2	20.9

203771 2002 RY_{233} 3 18.0 74°.40 0°.2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.76	− 1 19.0	2.088	2.897	13.2	20.4
2 21	12 8.83	− 0 46.4	2.004	2.898	10.1	20.2
3 2	12 3.00	− 0 0.9	1.944	2.899	6.4	19.9
3 12	11 55.84	+ 0 53.2	1.911	2.899	2.4	19.7
3 22	11 48.13	+ 1 50.6	1.906	2.900	1.7	19.6
4 1	11 40.75	+ 2 45.2	1.930	2.900	5.8	19.9
4 11	11 34.51	+ 3 31.4	1.981	2.901	9.5	20.1
4 21	11 30.00	+ 4 5.3	2.055	2.901	12.8	20.3

309776 2008 YH_{125} 3 18.0 277°.48 4°.2/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.16	− 9 45.1	1.544	2.333	18.0	20.4
2 21	12 13.14	−10 8.5	1.448	2.320	14.6	20.2
3 2	12 6.29	−10 10.8	1.373	2.308	10.6	19.9
3 12	11 57.27	− 9 51.7	1.321	2.295	6.4	19.6
3 22	11 47.12	− 9 13.9	1.294	2.282	4.3	19.4
4 1	11 37.19	− 8 23.4	1.294	2.270	7.2	19.6
4 11	11 28.82	− 7 28.8	1.319	2.257	11.7	19.8
4 21	11 22.97	− 6 38.5	1.366	2.244	16.0	20.0

141913 2002 PP_{80} 3 18.0 224°.29 1°.5/16.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.16	+ 2 31.3	2.015	2.830	13.4	21.8
2 21	12 12.35	+ 3 10.4	1.922	2.820	10.2	21.5
3 2	12 5.36	+ 4 0.4	1.852	2.810	6.4	21.3
3 12	11 56.79	+ 4 56.4	1.810	2.799	2.5	21.0
3 22	11 47.49	+ 5 52.2	1.797	2.787	2.8	21.0
4 1	11 38.46	+ 6 41.4	1.813	2.775	6.9	21.2
4 11	11 30.66	+ 7 18.4	1.856	2.763	10.8	21.4
4 21	11 24.78	+ 7 40.3	1.922	2.749	14.2	21.6

203247 2001 QK_{6} 3 18.0 88°.11 3°.7/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.49	+ 9 7.5	2.336	3.166	11.3	19.9
2 21	12 8.29	+10 35.2	2.282	3.189	8.4	19.8
3 2	12 2.45	+12 7.1	2.254	3.212	5.5	19.6
3 12	11 55.57	+13 36.0	2.256	3.234	3.7	19.6
3 22	11 48.36	+14 55.4	2.287	3.256	4.9	19.7
4 1	11 41.57	+15 59.5	2.346	3.277	7.5	19.9
4 11	11 35.87	+16 45.3	2.433	3.299	10.2	20.1
4 21	11 31.72	+17 11.9	2.541	3.320	12.6	20.3

119482 2001 UJ_{38} 3 18.0 271°.92 0°.4/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.49	− 3 13.3	1.913	2.717	14.4	20.9
2 21	12 10.58	− 2 41.2	1.804	2.694	11.2	20.6
3 2	12 4.40	− 1 52.2	1.719	2.671	7.4	20.3
3 12	11 56.49	− 0 49.6	1.660	2.648	3.0	20.0
3 22	11 47.66	+ 0 20.9	1.629	2.623	1.7	19.9
4 1	11 38.96	+ 1 31.8	1.627	2.599	6.4	20.1
4 11	11 31.42	+ 2 35.6	1.651	2.574	10.8	20.3
4 21	11 25.85	+ 3 26.3	1.698	2.549	14.8	20.5

109783 2001 RZ_{86} 3 18.0 127°.95 2°.0/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.61	− 8 28.5	1.936	2.721	15.0	19.8
2 21	12 9.61	− 7 54.3	1.854	2.729	11.8	19.6
3 2	12 3.55	− 7 0.3	1.795	2.736	8.1	19.4
3 12	11 56.07	− 5 49.7	1.762	2.743	4.1	19.2
3 22	11 48.02	− 4 28.3	1.756	2.750	2.1	19.1
4 1	11 40.35	− 3 3.6	1.780	2.756	5.6	19.3
4 11	11 33.97	− 1 43.8	1.831	2.762	9.4	19.5
4 21	11 29.47	− 0 35.1	1.906	2.768	12.9	19.8

194103 2001 SW_{214} 3 18.0 163°.41 2°.1/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.39	+ 3 6.9	1.818	2.637	14.4	21.2
2 21	12 13.34	+ 4 3.2	1.742	2.644	10.9	21.0
3 2	12 5.97	+ 5 11.2	1.690	2.649	6.8	20.8
3 12	11 57.01	+ 6 24.2	1.665	2.654	2.8	20.5
3 22	11 47.42	+ 7 34.4	1.670	2.658	3.5	20.6
4 1	11 38.28	+ 8 34.4	1.702	2.661	7.6	20.8
4 11	11 30.60	+ 9 18.4	1.761	2.663	11.6	21.1
4 21	11 25.05	+ 9 43.8	1.842	2.665	15.0	21.3

229559 2005 YX_{240} 3 18.0 156°.00 3°.5/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.72	+10 45.5	2.673	3.493	10.3	21.9
2 21	12 10.59	+11 49.6	2.603	3.503	7.7	21.8
3 2	12 3.88	+12 56.6	2.559	3.513	5.2	21.6
3 12	11 56.14	+14 0.7	2.545	3.521	3.5	21.5
3 22	11 48.01	+14 56.6	2.561	3.529	4.5	21.6
4 1	11 40.22	+15 39.9	2.607	3.536	6.9	21.7
4 11	11 33.42	+16 7.9	2.680	3.543	9.5	21.9
4 21	11 28.09	+16 20.0	2.777	3.548	11.8	22.1

184020 2004 FA_{36} 3 18.0 33°.57 0°.5/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.58	− 2 30.8	1.415	2.246	17.2	19.7
2 21	12 8.67	− 1 35.5	1.349	2.254	13.1	19.5
3 2	12 3.21	− 0 19.6	1.304	2.263	8.3	19.2
3 12	11 56.00	+ 1 9.7	1.283	2.272	3.1	18.9
3 22	11 48.11	+ 2 42.8	1.288	2.282	2.4	18.9
4 1	11 40.79	+ 4 9.0	1.320	2.293	7.6	19.2
4 11	11 35.12	+ 5 19.5	1.376	2.304	12.3	19.5
4 21	11 31.79	+ 6 8.9	1.454	2.315	16.2	19.8

174132 2002 MB_{2} 3 18.0 234°.73 0°.6/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.13	− 0 23.5	1.928	2.738	14.1	20.6
2 21	12 11.69	+ 0 14.5	1.832	2.727	10.8	20.4
3 2	12 5.02	+ 1 6.7	1.760	2.715	6.9	20.1
3 12	11 56.70	+ 2 8.5	1.714	2.703	2.6	19.8
3 22	11 47.60	+ 3 13.6	1.697	2.690	2.2	19.7
4 1	11 38.75	+ 4 14.8	1.709	2.676	6.7	20.0
4 11	11 31.14	+ 5 5.7	1.747	2.662	10.8	20.2
4 21	11 25.52	+ 5 41.8	1.808	2.648	14.5	20.4

452360 2001 VX_{51} 3 18.0 113°.24 1°.9/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.13	+ 4 12.1	1.612	2.432	15.9	21.2
2 21	12 17.04	+ 4 32.8	1.548	2.448	12.0	21.0
3 2	12 8.35	+ 5 2.7	1.506	2.464	7.6	20.8
3 12	11 57.91	+ 5 35.8	1.491	2.479	3.0	20.5
3 22	11 46.89	+ 6 5.9	1.503	2.494	3.3	20.6
4 1	11 36.58	+ 6 26.9	1.544	2.508	7.7	20.9
4 11	11 28.07	+ 6 34.8	1.611	2.521	11.9	21.2
4 21	11 22.04	+ 6 28.1	1.700	2.534	15.5	21.4

265605 2005 SZ_6 3 18.0 32°.99 3°.9/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 22.31	+10 9.5	1.344	2.187	17.2	19.3
2 21	12 16.76	+10 11.5	1.291	2.202	13.0	19.1
3 2	12 8.26	+10 15.9	1.259	2.219	8.4	18.9
3 12	11 57.87	+10 16.0	1.252	2.237	4.4	18.7
3 22	11 46.95	+10 6.1	1.271	2.256	5.1	18.8
4 1	11 36.97	+ 9 42.3	1.316	2.275	9.3	19.1
4 11	11 29.11	+ 9 3.5	1.385	2.295	13.5	19.4
4 21	11 24.05	+ 8 11.0	1.475	2.316	17.1	19.7

161723 2006 RT_{21} 3 18.0 129°.65 0°.6/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.91	− 3 53.4	2.654	3.443	11.3	20.7
2 21	12 7.76	− 3 21.4	2.571	3.452	8.6	20.5
3 2	12 2.11	− 2 37.7	2.514	3.462	5.6	20.4
3 12	11 55.48	− 1 45.6	2.484	3.471	2.4	20.1
3 22	11 48.47	− 0 49.2	2.485	3.479	1.2	20.1
4 1	11 41.74	+ 0 6.7	2.516	3.488	4.5	20.3
4 11	11 35.91	+ 0 57.4	2.575	3.496	7.5	20.5
4 21	11 31.46	+ 1 39.6	2.660	3.504	10.2	20.7

196568 2003 QL_{27} 3 18.0 281°.88 0°.6/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.71	− 3 42.5	2.022	2.823	13.8	20.9
2 21	12 9.90	− 3 14.7	1.910	2.797	10.8	20.6
3 2	12 3.94	− 2 30.6	1.820	2.771	7.2	20.3
3 12	11 56.33	− 1 33.3	1.757	2.744	3.0	20.0
3 22	11 47.84	− 0 27.7	1.722	2.716	1.6	19.9
4 1	11 39.44	+ 0 39.3	1.716	2.689	6.1	20.1
4 11	11 32.11	+ 1 40.7	1.736	2.661	10.3	20.3
4 21	11 26.62	+ 2 30.7	1.781	2.633	14.1	20.5

58357 1995 HT_1 3 18.0 110°.81 7°.2/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.40	+19 20.4	1.975	2.811	12.8	19.4
2 21	12 12.36	+20 50.5	1.926	2.826	10.1	19.2
3 2	12 5.21	+22 16.5	1.903	2.841	7.9	19.1
3 12	11 56.68	+23 29.5	1.907	2.856	7.2	19.1
3 22	11 47.72	+24 22.0	1.938	2.870	8.6	19.2
4 1	11 39.33	+24 49.7	1.994	2.884	10.9	19.4
4 11	11 32.42	+24 51.8	2.074	2.897	13.4	19.6
4 21	11 27.52	+24 30.6	2.174	2.910	15.6	19.8

147604 2004 GS_{34} 3 18.0 334°.74 2°.3/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.51	− 6 47.1	1.626	2.428	16.6	20.4
2 21	12 10.79	− 6 45.1	1.541	2.425	13.2	20.1
3 2	12 4.58	− 6 23.7	1.477	2.422	9.1	19.9
3 12	11 56.57	− 5 44.9	1.437	2.419	4.6	19.6
3 22	11 47.73	− 4 53.7	1.423	2.416	2.6	19.5
4 1	11 39.25	− 3 57.1	1.437	2.414	6.4	19.7
4 11	11 32.26	− 3 3.1	1.476	2.412	10.9	19.9
4 21	11 27.53	− 2 18.4	1.537	2.410	14.9	20.2

128040 2003 KR_{35} 3 18.0 325°.57 2°.7/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.40	+ 2 28.6	1.294	2.142	17.4	19.4
2 21	12 9.72	+ 3 32.4	1.217	2.134	13.2	19.1
3 2	12 4.16	+ 4 54.5	1.161	2.126	8.3	18.8
3 12	11 56.46	+ 6 26.2	1.129	2.118	3.5	18.5
3 22	11 47.79	+ 7 56.3	1.122	2.111	4.5	18.6
4 1	11 39.55	+ 9 13.1	1.140	2.105	9.7	18.8
4 11	11 33.09	+10 7.6	1.181	2.099	14.7	19.1
4 21	11 29.28	+10 35.8	1.241	2.093	19.0	19.3

281090 2006 TY_{73} 3 18.0 237°.26 0°.3/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.06	− 1 47.3	2.659	3.457	11.0	21.3
2 21	12 7.25	− 0 57.7	2.557	3.446	8.4	21.1
3 2	12 1.88	+ 0 4.0	2.481	3.434	5.3	20.9
3 12	11 55.43	+ 1 13.8	2.433	3.422	2.0	20.6
3 22	11 48.48	+ 2 27.1	2.416	3.409	1.5	20.6
4 1	11 41.71	+ 3 38.2	2.429	3.396	5.0	20.8
4 11	11 35.77	+ 4 41.8	2.470	3.383	8.2	21.0
4 21	11 31.18	+ 5 34.3	2.537	3.370	11.0	21.1

500516 2012 TO_{295} 3 18.0 87°.53 1°.8/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.09	+ 5 47.8	2.323	3.138	11.8	21.3
2 21	12 11.79	+ 6 3.4	2.252	3.150	8.9	21.2
3 2	12 4.71	+ 6 24.2	2.205	3.163	5.6	21.0
3 12	11 56.48	+ 6 46.0	2.187	3.175	2.4	20.8
3 22	11 47.84	+ 7 4.6	2.199	3.187	2.8	20.8
4 1	11 39.62	+ 7 16.4	2.240	3.199	6.0	21.0
4 11	11 32.57	+ 7 18.6	2.308	3.211	9.2	21.3
4 21	11 27.20	+ 7 9.9	2.401	3.223	11.9	21.5

386772 2010 CA_{223} 3 18.0 78°.76 0°.4/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.25	− 5 2.6	2.198	2.995	13.0	21.1
2 21	12 6.83	− 4 2.5	2.116	3.002	10.0	20.9
3 2	12 1.68	− 2 46.0	2.058	3.008	6.5	20.7
3 12	11 55.36	− 1 17.7	2.027	3.014	2.6	20.4
3 22	11 48.56	+ 0 16.0	2.026	3.021	1.4	20.3
4 1	11 42.09	+ 1 47.7	2.055	3.027	5.3	20.6
4 11	11 36.68	+ 3 10.5	2.111	3.034	8.9	20.8
4 21	11 32.86	+ 4 19.5	2.193	3.040	12.0	21.0

245112 2004 PE_{101} 3 18.0 253°.82 2°.8/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 19.38	− 7 2.5	1.687	2.476	16.7	20.8
2 21	12 14.67	− 7 14.2	1.584	2.460	13.3	20.5
3 2	12 7.23	− 7 7.9	1.503	2.443	9.3	20.2
3 12	11 57.66	− 6 44.3	1.446	2.426	5.0	19.9
3 22	11 46.97	− 6 6.7	1.416	2.408	3.0	19.8
4 1	11 36.42	− 5 21.0	1.414	2.390	6.8	20.0
4 11	11 27.32	− 4 34.9	1.439	2.371	11.4	20.2
4 21	11 20.59	− 3 55.2	1.485	2.352	15.7	20.4

59897 1999 RD_{142} 3 18.0 205°.51 1°.0/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.36	+ 0 52.9	2.644	3.454	10.7	19.8
2 21	12 6.66	+ 1 45.8	2.556	3.451	8.1	19.6
3 2	12 1.47	+ 2 48.5	2.492	3.449	5.0	19.4
3 12	11 55.26	+ 3 56.8	2.458	3.447	1.9	19.2
3 22	11 48.62	+ 5 5.5	2.453	3.444	2.1	19.2
4 1	11 42.21	+ 6 9.5	2.478	3.441	5.3	19.4
4 11	11 36.66	+ 7 4.1	2.532	3.438	8.3	19.6
4 21	11 32.45	+ 7 46.3	2.610	3.435	11.0	19.7

250439 2003 XG_{16} 3 18.0 158°.43 4°.7/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.36	+10 41.9	1.876	2.709	13.4	20.6
2 21	12 12.50	+11 54.7	1.807	2.715	10.2	20.4
3 2	12 5.42	+13 12.3	1.764	2.720	6.8	20.2
3 12	11 56.81	+14 26.3	1.747	2.724	4.7	20.1
3 22	11 47.62	+15 28.7	1.759	2.728	6.0	20.2
4 1	11 38.91	+16 13.1	1.798	2.732	9.2	20.4
4 11	11 31.63	+16 36.0	1.862	2.735	12.5	20.6
4 21	11 26.41	+16 37.2	1.948	2.737	15.5	20.8

21737 Stephenshulz 3 18.0 98°.68 0°.9/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.81	+ 0 25.9	1.663	2.481	15.6	18.6
2 21	12 12.96	+ 1 3.9	1.598	2.497	11.8	18.4
3 2	12 5.74	+ 1 55.5	1.556	2.513	7.4	18.2
3 12	11 56.93	+ 2 54.6	1.540	2.529	2.7	17.9
3 22	11 47.57	+ 3 54.2	1.552	2.545	2.5	18.0
4 1	11 38.81	+ 4 46.8	1.592	2.560	7.1	18.3
4 11	11 31.65	+ 5 26.5	1.657	2.574	11.2	18.5
4 21	11 26.73	+ 5 50.1	1.745	2.589	14.8	18.8

497855 2006 UL_{114} 3 18.0 116°.49 0°.9/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.98	− 4 40.5	2.510	3.299	11.8	22.2
2 21	12 7.92	− 4 14.5	2.427	3.307	9.1	22.0
3 2	12 2.27	− 3 36.0	2.368	3.315	6.0	21.8
3 12	11 55.57	− 2 47.9	2.337	3.322	2.7	21.6
3 22	11 48.45	− 1 54.4	2.335	3.330	1.3	21.5
4 1	11 41.62	− 1 0.5	2.363	3.337	4.6	21.8
4 11	11 35.75	− 0 10.9	2.420	3.344	7.8	22.0
4 21	11 31.32	+ 0 30.4	2.501	3.351	10.6	22.2

225600 2000 YJ_2 3 18.0 2°.34 5°.6/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.45	−13 58.3	1.472	2.257	18.9	19.4
2 21	12 7.97	−14 18.6	1.391	2.255	15.6	19.1
3 2	12 2.91	−14 12.3	1.330	2.255	11.8	18.9
3 12	11 55.97	−13 39.1	1.290	2.256	7.9	18.7
3 22	11 48.17	−12 42.2	1.275	2.257	5.6	18.5
4 1	11 40.78	−11 29.0	1.284	2.260	7.3	18.6
4 11	11 34.97	−10 9.7	1.318	2.263	11.1	18.9
4 21	11 31.52	− 8 54.3	1.374	2.268	14.9	19.1

175556 2006 SO_{352} 3 18.0 64°.89 0°.7/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.45	− 2 6.7	2.277	3.073	12.6	20.1
2 21	12 10.71	− 2 7.4	2.193	3.078	9.7	19.9
3 2	12 4.14	− 1 57.7	2.133	3.082	6.4	19.7
3 12	11 56.32	− 1 40.0	2.100	3.086	2.7	19.4
3 22	11 47.98	− 1 17.7	2.096	3.090	1.4	19.4
4 1	11 39.97	− 0 54.9	2.122	3.095	5.1	19.6
4 11	11 33.06	− 0 35.8	2.175	3.099	8.6	19.8
4 21	11 27.82	− 0 23.7	2.253	3.104	11.6	20.0

399581 2003 SQ_{318} 3 18.0 167°.99 1°.5/16.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.59	+ 2 10.7	2.085	2.896	13.1	22.7
2 21	12 12.48	+ 2 58.7	2.004	2.901	9.9	22.5
3 2	12 5.33	+ 3 57.4	1.949	2.906	6.2	22.2
3 12	11 56.78	+ 5 1.4	1.921	2.909	2.4	22.0
3 22	11 47.68	+ 6 4.4	1.923	2.913	2.8	22.0
4 1	11 38.95	+ 7 0.0	1.954	2.915	6.6	22.3
4 11	11 31.48	+ 7 43.0	2.012	2.916	10.2	22.5
4 21	11 25.87	+ 8 10.8	2.094	2.917	13.4	22.7

298772 2004 OU_3 3 18.0 209°.15 1°.4/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.96	+ 0 36.4	1.861	2.675	14.4	22.2
2 21	12 12.37	+ 1 33.7	1.771	2.669	10.9	22.0
3 2	12 5.47	+ 2 45.8	1.705	2.662	6.9	21.7
3 12	11 56.90	+ 4 6.9	1.666	2.655	2.6	21.4
3 22	11 47.57	+ 5 29.3	1.655	2.646	2.9	21.4
4 1	11 38.54	+ 6 44.7	1.674	2.637	7.3	21.7
4 11	11 30.84	+ 7 46.1	1.719	2.627	11.4	21.9
4 21	11 25.21	+ 8 29.2	1.787	2.617	15.1	22.1

95771 Lachat 3 18.0 313°35 10°1/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.27	+22 50.5	1.552	2.403	14.9	19.2
2 21	12 11.72	+24 32.3	1.482	2.385	12.3	19.0
3 2	12 5.35	+26 9.5	1.435	2.367	10.5	18.8
3 12	11 56.92	+27 29.5	1.412	2.350	10.3	18.8
3 22	11 47.56	+28 21.4	1.412	2.333	12.1	18.8
4 1	11 38.64	+28 38.5	1.436	2.316	14.9	18.9
4 11	11 31.45	+28 19.6	1.479	2.300	17.9	19.1
4 21	11 26.82	+27 28.2	1.538	2.285	20.7	19.3

231305 2006 BK_{169} 3 18.1 161°51 0°2/17.8 17

2 11	12 14.62	− 0 57.6	2.178	2.983	12.9	21.5
2 21	12 10.17	− 0 27.8	2.095	2.986	9.8	21.3
3 2	12 3.84	+ 0 13.7	2.035	2.989	6.3	21.1
3 12	11 56.21	+ 1 3.2	2.003	2.992	2.4	20.9
3 22	11 48.06	+ 1 55.4	2.000	2.994	1.7	20.8
4 1	11 40.23	+ 2 44.8	2.026	2.996	5.6	21.1
4 11	11 33.54	+ 3 26.2	2.080	2.998	9.2	21.3
4 21	11 28.56	+ 3 56.1	2.158	2.999	12.4	21.5

376457 2012 HS_{70} 3 18.1 311°20 2°1/16.1 17

2 11	12 12.25	+ 2 33.0	1.577	2.414	15.4	20.4
2 21	12 9.22	+ 3 23.9	1.488	2.398	11.7	20.2
3 2	12 3.68	+ 4 29.8	1.420	2.383	7.4	19.9
3 12	11 56.28	+ 5 44.2	1.379	2.368	3.0	19.6
3 22	11 47.98	+ 6 58.4	1.363	2.353	3.7	19.6
4 1	11 39.96	+ 8 3.4	1.374	2.339	8.4	19.8
4 11	11 33.37	+ 8 51.5	1.410	2.325	13.0	20.0
4 21	11 29.04	+ 9 18.7	1.466	2.311	17.0	20.2

151843 2003 GS_{12} 3 18.1 12°26 3°1/21.3 18

2 11	12 10.40	−11 53.5	1.681	2.466	16.9	19.8
2 21	12 7.57	−11 15.4	1.597	2.467	13.6	19.6
3 2	12 2.47	−10 10.9	1.533	2.468	9.7	19.3
3 12	11 55.76	− 8 42.8	1.493	2.470	5.5	19.1
3 22	11 48.36	− 6 57.5	1.481	2.472	3.1	18.9
4 1	11 41.35	− 5 4.9	1.495	2.474	6.1	19.1
4 11	11 35.72	− 3 15.9	1.537	2.476	10.3	19.4
4 21	11 32.16	− 1 39.5	1.602	2.479	14.1	19.6

504010 2005 GQ_{96} 3 18.1 252°98 1°2/16.8 17

2 11	12 13.30	+ 2 10.2	2.267	3.082	12.1	22.1
2 21	12 9.18	+ 2 44.6	2.176	3.075	9.2	21.8
3 2	12 3.24	+ 3 28.7	2.110	3.067	5.8	21.6
3 12	11 56.01	+ 4 18.0	2.070	3.059	2.2	21.4
3 22	11 48.21	+ 5 7.5	2.061	3.052	2.3	21.4
4 1	11 40.67	+ 5 51.7	2.080	3.044	6.0	21.6
4 11	11 34.16	+ 6 26.0	2.126	3.036	9.5	21.8
4 21	11 29.28	+ 6 47.6	2.196	3.028	12.6	22.0

500207 2012 HQ_{27} 3 18.1 325°65 4°1/14.9 17

2 11	12 13.95	+ 7 56.8	1.367	2.220	16.4	21.1
2 21	12 10.94	+ 8 35.9	1.281	2.199	12.5	20.8
3 2	12 5.01	+ 9 24.4	1.216	2.180	8.2	20.5
3 12	11 56.87	+10 14.2	1.175	2.161	4.5	20.2
3 22	11 47.61	+10 56.1	1.159	2.143	5.7	20.2
4 1	11 38.67	+11 21.5	1.167	2.126	10.3	20.4
4 11	11 31.44	+11 25.0	1.198	2.110	15.1	20.6
4 21	11 26.86	+11 5.1	1.248	2.095	19.3	20.9

491035 2011 QV_{7} 3 18.1 212°13 2°4/21.1 17

2 11	12 12.32	− 9 48.4	2.550	3.314	12.3	21.7
2 21	12 8.28	− 9 35.8	2.451	3.310	9.9	21.5
3 2	12 2.59	− 9 7.8	2.376	3.306	7.0	21.3
3 12	11 55.76	− 8 26.2	2.327	3.302	4.0	21.1
3 22	11 48.40	− 7 34.0	2.308	3.297	2.5	21.0
4 1	11 41.26	− 6 36.0	2.318	3.292	4.6	21.1
4 11	11 35.04	− 5 37.5	2.356	3.287	7.6	21.3
4 21	11 30.26	− 4 43.5	2.420	3.282	10.5	21.5

386929 2011 LN_{26} 3 18.1 271°38 6°6/24.6 16

2 11	12 16.48	−20 2.3	2.476	3.175	14.3	20.8
2 21	12 11.80	−20 49.0	2.358	3.155	12.3	20.6
3 2	12 5.08	−21 18.0	2.261	3.134	10.1	20.4
3 12	11 56.81	−21 26.9	2.188	3.113	8.0	20.2
3 22	11 47.67	−21 15.3	2.141	3.092	6.7	20.1
4 1	11 38.55	−20 45.0	2.123	3.070	7.1	20.1
4 11	11 30.36	−20 0.8	2.131	3.049	9.1	20.2
4 21	11 23.84	−19 8.8	2.165	3.027	11.6	20.3

170209 2003 PN_{8} 3 18.1 165°73 0°5/17.6 18

2 11	12 17.21	− 1 10.1	2.245	3.042	12.8	21.5
2 21	12 12.06	− 0 22.9	2.161	3.049	9.7	21.3
3 2	12 5.02	+ 0 37.0	2.103	3.055	6.2	21.1
3 12	11 56.68	+ 1 44.8	2.072	3.061	2.3	20.9
3 22	11 47.83	+ 2 54.9	2.072	3.065	1.8	20.8
4 1	11 39.32	+ 4 0.9	2.102	3.069	5.7	21.1
4 11	11 31.97	+ 4 57.2	2.161	3.071	9.3	21.3
4 21	11 26.35	+ 5 40.2	2.244	3.073	12.4	21.5

170826 2004 EM_{57} 3 18.1 288°54 0°2/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.08	− 1 11.9	2.185	2.993	12.7	20.3
2 21	12 8.34	− 0 40.7	2.092	2.985	9.7	20.1
3 2	12 2.75	+ 0 2.9	2.023	2.977	6.2	19.9
3 12	11 55.85	+ 0 55.2	1.981	2.969	2.4	19.6
3 22	11 48.35	+ 1 51.0	1.967	2.961	1.7	19.5
4 1	11 41.11	+ 2 44.6	1.983	2.953	5.6	19.8
4 11	11 34.91	+ 3 30.4	2.026	2.946	9.3	20.0
4 21	11 30.36	+ 4 4.5	2.092	2.938	12.6	20.2

425163 2009 SL_{363} 3 18.1 104°65 1°1/19.3 18

2 11	12 15.57	− 5 29.2	2.081	2.870	13.9	22.0
2 21	12 10.87	− 5 1.1	2.010	2.889	10.8	21.8
3 2	12 4.25	− 4 17.6	1.962	2.907	7.1	21.6
3 12	11 56.37	− 3 22.4	1.941	2.925	3.2	21.4
3 22	11 48.06	− 2 20.6	1.949	2.943	1.6	21.3
4 1	11 40.19	− 1 18.5	1.986	2.960	5.3	21.6
4 11	11 33.57	− 0 22.2	2.051	2.977	8.9	21.8
4 21	11 28.75	+ 0 23.8	2.141	2.993	12.1	22.1

428719 2008 RH_{43} 3 18.1 168°04 0°6/17.5 17

2 11	12 15.63	+ 0 43.1	2.318	3.123	12.2	22.3
2 21	12 10.83	+ 1 8.6	2.234	3.126	9.3	22.1
3 2	12 4.22	+ 1 43.8	2.174	3.129	5.9	21.9
3 12	11 56.38	+ 2 24.9	2.142	3.131	2.2	21.7
3 22	11 48.03	+ 3 7.2	2.140	3.133	1.8	21.7
4 1	11 40.00	+ 3 45.9	2.168	3.135	5.5	21.9
4 11	11 33.06	+ 4 16.6	2.223	3.136	9.0	22.1
4 21	11 27.75	+ 4 36.4	2.302	3.137	12.0	22.3

89253 2001 UM_{178} 3 18.1 166°97 6°0/12.1 18

2 11	12 19.60	+16 55.3	2.040	2.870	12.7	19.9
2 21	12 14.06	+17 55.0	1.973	2.874	9.8	19.7
3 2	12 6.36	+18 52.9	1.931	2.876	7.3	19.6
3 12	11 57.21	+19 41.5	1.917	2.879	6.0	19.5
3 22	11 47.51	+20 14.1	1.930	2.881	7.2	19.6
4 1	11 38.32	+20 26.3	1.970	2.883	9.8	19.7
4 11	11 30.54	+20 16.7	2.036	2.884	12.6	19.9
4 21	11 24.79	+19 46.9	2.122	2.885	15.2	20.1

499730 2011 BJ_{22} 3 18.1 1°53 0°9/18.8 17

2 11	12 12.42	− 3 22.1	1.482	2.306	16.9	20.9
2 21	12 9.35	− 3 8.8	1.405	2.305	13.1	20.6
3 2	12 3.74	− 2 37.2	1.349	2.304	8.6	20.4
3 12	11 56.30	− 1 51.3	1.317	2.304	3.7	20.1
3 22	11 48.07	− 0 57.4	1.310	2.305	1.9	19.9
4 1	11 40.28	− 0 3.5	1.330	2.307	6.9	20.2
4 11	11 34.07	+ 0 42.6	1.374	2.309	11.6	20.5
4 21	11 30.19	+ 1 15.2	1.439	2.313	15.7	20.8

503245 2015 JM_{2} 3 18.1 9°78 7°8/ 9.7 18

2 11	12 8.60	+15 30.5	1.474	2.338	14.7	19.3
2 21	12 6.42	+17 27.0	1.422	2.341	11.4	19.1
3 2	12 1.80	+19 24.7	1.393	2.346	8.7	19.0
3 12	11 55.52	+21 10.9	1.389	2.351	7.9	18.9
3 22	11 48.62	+22 34.5	1.411	2.358	9.7	19.0
4 1	11 42.27	+23 27.7	1.456	2.366	12.8	19.2
4 11	11 37.50	+23 48.1	1.522	2.375	15.9	19.5
4 21	11 34.95	+23 37.6	1.605	2.385	18.7	19.7

160741 2000 RE_{72} 3 18.1 135°68 0°1/18.2 18

2 11	12 18.01	− 2 37.1	1.910	2.710	14.6	20.9
2 21	12 12.92	− 1 59.2	1.836	2.724	11.2	20.7
3 2	12 5.66	− 1 6.4	1.785	2.737	7.2	20.5
3 12	11 56.95	− 0 3.3	1.762	2.749	2.8	20.2
3 22	11 47.70	+ 1 3.8	1.767	2.761	1.7	20.2
4 1	11 38.93	+ 2 7.7	1.802	2.772	6.1	20.5
4 11	11 31.55	+ 3 2.1	1.864	2.783	10.1	20.7
4 21	11 26.18	+ 3 42.9	1.949	2.792	13.5	21.0

83223 2001 RA_{32} 3 18.1 127°52 2°0/20.4 18

2 11	12 13.34	− 7 57.8	2.452	3.225	12.5	19.9
2 21	12 9.02	− 7 45.2	2.367	3.233	9.9	19.8
3 2	12 3.04	− 7 18.1	2.305	3.241	6.8	19.6
3 12	11 55.92	− 6 38.7	2.271	3.249	3.6	19.4
3 22	11 48.36	− 5 50.6	2.265	3.257	2.1	19.3
4 1	11 41.09	− 4 58.6	2.289	3.264	4.6	19.5
4 11	11 34.83	− 4 7.8	2.342	3.271	7.8	19.7
4 21	11 30.08	− 3 22.9	2.419	3.278	10.6	19.9

251499 2008 EC_{109} 3 18.1 122°29 0°8/17.2 18

2 11	12 17.03	− 0 11.5	2.019	2.826	13.7	21.7
2 21	12 12.00	+ 0 39.8	1.951	2.844	10.3	21.5
3 2	12 4.99	+ 1 43.5	1.907	2.862	6.5	21.3
3 12	11 56.67	+ 2 54.1	1.890	2.879	2.4	21.0
3 22	11 47.90	+ 4 5.0	1.903	2.896	2.2	21.1
4 1	11 39.62	+ 5 9.5	1.946	2.911	6.2	21.3
4 11	11 32.65	+ 6 2.0	2.016	2.926	9.9	21.6
4 21	11 27.56	+ 6 39.4	2.109	2.941	13.0	21.8

847 Agnia 3 18.1 128°.92 1°.3/19.4 18 A

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.65	− 5 14.3	2.152	2.942	13.5	15.1
2 21	12 10.22	− 4 56.0	2.070	2.949	10.5	14.9
3 2	12 3.90	− 4 23.1	2.011	2.956	7.0	14.7
3 12	11 56.28	− 3 38.5	1.979	2.963	3.2	14.5
3 22	11 48.14	− 2 46.9	1.976	2.970	1.6	14.3
4 1	11 40.35	− 1 53.7	2.002	2.976	5.2	14.6
4 11	11 33.72	− 1 4.8	2.055	2.982	8.8	14.8
4 21	11 28.83	− 0 24.7	2.133	2.988	12.0	15.0

117180 2004 RH_{78} 3 18.1 145°.46 2°.7/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.51	+ 6 40.7	1.962	2.789	13.2	20.1
2 21	12 11.80	+ 7 18.4	1.886	2.791	10.0	19.9
3 2	12 4.98	+ 8 2.7	1.834	2.793	6.3	19.6
3 12	11 56.71	+ 8 47.8	1.809	2.795	3.1	19.4
3 22	11 47.87	+ 9 27.8	1.812	2.797	3.9	19.5
4 1	11 39.44	+ 9 57.0	1.844	2.799	7.4	19.7
4 11	11 32.33	+10 11.6	1.902	2.800	11.0	19.9
4 21	11 27.16	+10 10.4	1.982	2.802	14.2	20.1

89405 2001 WL_{9} 3 18.1 270°.34 4°.8/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.74	+ 8 5.6	1.480	2.326	15.8	18.7
2 21	12 12.05	+ 9 22.3	1.399	2.314	12.0	18.5
3 2	12 5.59	+10 50.1	1.341	2.303	7.9	18.2
3 12	11 57.08	+12 19.3	1.308	2.291	4.9	18.0
3 22	11 47.60	+13 39.0	1.302	2.279	6.5	18.1
4 1	11 38.49	+14 39.2	1.321	2.267	10.7	18.3
4 11	11 31.04	+15 13.8	1.363	2.255	15.0	18.5
4 21	11 26.09	+15 21.4	1.424	2.243	18.8	18.7

123318 2000 VC_{10} 3 18.1 16°.75 9°.5/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.31	+22 12.3	1.363	2.213	16.6	18.6
2 21	12 15.45	+23 3.4	1.314	2.219	13.4	18.4
3 2	12 7.56	+23 44.9	1.287	2.227	10.6	18.3
3 12	11 57.71	+24 6.1	1.282	2.235	9.5	18.2
3 22	11 47.29	+23 59.4	1.302	2.244	10.8	18.3
4 1	11 37.81	+23 21.8	1.344	2.255	13.6	18.5
4 11	11 30.49	+22 15.6	1.409	2.266	16.7	18.7
4 21	11 25.98	+20 46.3	1.491	2.279	19.5	18.9

105014 2000 KK_{13} 3 18.1 322°.03 1°.9/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.63	+ 4 22.5	2.095	2.919	12.6	20.0
2 21	12 9.54	+ 4 59.0	2.013	2.917	9.5	19.8
3 2	12 3.52	+ 5 43.8	1.955	2.914	6.0	19.5
3 12	11 56.16	+ 6 31.9	1.924	2.912	2.5	19.3
3 22	11 48.24	+ 7 17.7	1.922	2.910	3.1	19.3
4 1	11 40.64	+ 7 55.5	1.948	2.909	6.7	19.6
4 11	11 34.21	+ 8 21.0	2.001	2.907	10.2	19.8
4 21	11 29.52	+ 8 32.0	2.077	2.905	13.3	20.0

431945 2008 UR_{22} 3 18.1 62°.72 0°.1/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.44	− 2 2.6	1.957	2.766	13.9	21.7
2 21	12 9.49	− 1 33.5	1.878	2.771	10.7	21.5
3 2	12 3.52	− 0 50.5	1.822	2.776	6.9	21.2
3 12	11 56.16	+ 0 2.1	1.792	2.780	2.7	21.0
3 22	11 48.24	+ 0 58.9	1.791	2.785	1.7	20.9
4 1	11 40.70	+ 1 53.3	1.818	2.790	5.9	21.2
4 11	11 34.40	+ 2 39.4	1.872	2.795	9.8	21.4
4 21	11 29.94	+ 3 13.3	1.949	2.800	13.1	21.7

132115 2002 CL_{225} 3 18.1 350°.73 4°.2/21.9 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.18	−11 38.6	1.888	2.658	15.9	20.3
2 21	12 11.04	−11 55.9	1.799	2.657	12.9	20.1
3 2	12 4.66	−11 53.6	1.731	2.657	9.5	19.8
3 12	11 56.65	−11 32.2	1.688	2.656	6.1	19.6
3 22	11 47.90	−10 54.2	1.671	2.656	4.2	19.5
4 1	11 39.46	−10 4.9	1.682	2.656	6.1	19.6
4 11	11 32.33	− 9 11.3	1.720	2.656	9.6	19.8
4 21	11 27.22	− 8 20.3	1.781	2.656	13.1	20.0

60030 1999 TE_{89} 3 18.1 144°.53 1°.0/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.49	+ 0 28.4	2.107	2.920	12.9	19.9
2 21	12 9.38	+ 1 17.1	2.027	2.925	9.8	19.7
3 2	12 3.39	+ 2 17.7	1.972	2.929	6.1	19.5
3 12	11 56.10	+ 3 25.3	1.944	2.933	2.3	19.2
3 22	11 48.29	+ 4 33.5	1.945	2.937	2.3	19.2
4 1	11 40.83	+ 5 36.0	1.975	2.941	6.1	19.5
4 11	11 34.53	+ 6 27.1	2.033	2.944	9.8	19.7
4 21	11 29.95	+ 7 3.5	2.113	2.947	12.9	19.9

67946 2000 WH_{153} 3 18.1 163°.87 0°.8/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.91	+ 0 18.9	1.995	2.802	13.8	20.5
2 21	12 12.84	+ 0 58.9	1.914	2.808	10.5	20.3
3 2	12 5.64	+ 1 51.4	1.858	2.813	6.6	20.1
3 12	11 56.98	+ 2 51.2	1.829	2.818	2.5	19.8
3 22	11 47.72	+ 3 52.1	1.829	2.822	2.2	19.8
4 1	11 38.87	+ 4 47.7	1.859	2.825	6.4	20.1
4 11	11 31.33	+ 5 32.3	1.916	2.828	10.2	20.3
4 21	11 25.73	+ 6 2.5	1.996	2.829	13.6	20.5

53886 2000 FY_{39} 3 18.1 250°.33 1°.3/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.27	+ 0 45.1	2.006	2.822	13.4	19.1
2 21	12 10.27	+ 1 39.2	1.908	2.806	10.2	18.9
3 2	12 4.14	+ 2 47.3	1.833	2.791	6.5	18.6
3 12	11 56.46	+ 4 4.3	1.785	2.774	2.5	18.3
3 22	11 48.02	+ 5 23.2	1.767	2.758	2.7	18.3
4 1	11 39.78	+ 6 36.4	1.777	2.741	6.9	18.5
4 11	11 32.69	+ 7 37.1	1.814	2.723	10.9	18.8
4 21	11 27.45	+ 8 21.0	1.874	2.705	14.4	18.9

326456 2001 WU_{97} 3 18.1 112°.42 1°.2/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.30	− 5 18.5	1.960	2.754	14.5	21.3
2 21	12 10.85	− 4 52.8	1.884	2.766	11.2	21.1
3 2	12 4.36	− 4 10.8	1.831	2.777	7.5	20.9
3 12	11 56.48	− 3 16.1	1.804	2.789	3.4	20.6
3 22	11 48.07	− 2 14.2	1.805	2.800	1.7	20.5
4 1	11 40.08	− 1 11.6	1.836	2.810	5.6	20.8
4 11	11 33.39	− 0 15.0	1.893	2.821	9.4	21.1
4 21	11 28.60	+ 0 30.8	1.975	2.831	12.8	21.3

386494 2009 BC_{38} 3 18.1 314°.95 3°.0/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.52	− 8 25.3	2.137	2.912	14.1	21.0
2 21	12 11.06	− 8 46.3	2.042	2.907	11.3	20.8
3 2	12 4.56	− 8 52.6	1.969	2.902	8.0	20.6
3 12	11 56.60	− 8 44.8	1.923	2.897	4.7	20.3
3 22	11 47.96	− 8 25.3	1.904	2.893	3.1	20.2
4 1	11 39.55	− 7 58.1	1.914	2.888	5.4	20.4
4 11	11 32.27	− 7 28.3	1.951	2.883	8.9	20.6
4 21	11 26.79	− 7 0.9	2.013	2.879	12.1	20.7

153109 2000 SN_{62} 3 18.1 228°.48 0°.8/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.68	− 4 38.4	2.092	2.888	13.6	20.5
2 21	12 9.67	− 4 4.1	1.997	2.881	10.6	20.3
3 2	12 3.68	− 3 13.6	1.925	2.873	7.0	20.0
3 12	11 56.26	− 2 10.5	1.880	2.866	3.0	19.8
3 22	11 48.18	− 1 0.1	1.863	2.858	1.5	19.6
4 1	11 40.36	+ 0 11.0	1.876	2.849	5.6	19.9
4 11	11 33.65	+ 1 15.8	1.916	2.840	9.5	20.1
4 21	11 28.72	+ 2 9.3	1.980	2.831	12.9	20.3

175821 1999 TB_{31} 3 18.1 184°.49 0°.6/18.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.64	− 3 23.8	2.205	2.994	13.2	21.5
2 21	12 12.51	− 2 57.0	2.114	2.995	10.2	21.3
3 2	12 5.40	− 2 16.5	2.047	2.995	6.7	21.0
3 12	11 56.90	− 1 25.7	2.007	2.994	2.8	20.8
3 22	11 47.79	− 0 29.4	1.997	2.992	1.5	20.7
4 1	11 38.98	+ 0 26.6	2.018	2.989	5.5	20.9
4 11	11 31.33	+ 1 16.5	2.066	2.986	9.2	21.2
4 21	11 25.45	+ 1 56.1	2.139	2.982	12.5	21.4

219444 2000 UY_{104} 3 18.1 242°.16 3°.4/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.84	−11 50.5	2.114	2.876	14.6	20.5
2 21	12 9.87	−11 42.8	2.011	2.867	11.9	20.3
3 2	12 3.85	−11 15.4	1.931	2.857	8.6	20.1
3 12	11 56.35	−10 29.2	1.876	2.846	5.3	19.9
3 22	11 48.12	− 9 27.6	1.849	2.836	3.5	19.7
4 1	11 40.11	− 8 16.3	1.850	2.825	5.5	19.8
4 11	11 33.20	− 7 2.6	1.879	2.814	9.0	20.0
4 21	11 28.09	− 5 53.4	1.933	2.802	12.4	20.2

297874 2002 CK_{122} 3 18.1 72°.34 0°.1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.31	− 2 29.9	1.386	2.206	18.0	21.0
2 21	12 13.65	− 1 47.0	1.333	2.232	13.7	20.8
3 2	12 6.31	− 0 45.4	1.302	2.258	8.7	20.5
3 12	11 57.23	+ 0 28.0	1.295	2.284	3.3	20.3
3 22	11 47.66	+ 1 44.2	1.315	2.310	2.2	20.3
4 1	11 38.90	+ 2 53.8	1.362	2.335	7.4	20.6
4 11	11 32.04	+ 3 49.0	1.434	2.360	12.0	21.0
4 21	11 27.72	+ 4 25.8	1.528	2.385	15.8	21.3

109498 2001 QR_{231} 3 18.1 50°.53 1°.9/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.30	− 9 46.3	1.927	2.712	15.0	18.4
2 21	12 7.07	− 8 51.8	1.856	2.730	11.8	18.2
3 2	12 1.94	− 7 35.9	1.808	2.748	8.1	18.0
3 12	11 55.55	− 6 3.1	1.786	2.767	4.1	17.8
3 22	11 48.72	− 4 20.2	1.792	2.785	2.0	17.7
4 1	11 42.32	− 2 35.9	1.827	2.804	5.3	18.0
4 11	11 37.17	− 0 58.7	1.890	2.823	9.1	18.2
4 21	11 33.78	+ 0 24.8	1.977	2.843	12.4	18.5

122251 2000 OV_{31} 3 18.1 227°.70 7°.0/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.16	−20 13.2	2.159	2.866	15.9	19.9
2 21	12 12.51	−20 55.2	2.056	2.859	13.7	19.7
3 2	12 5.63	−21 15.9	1.973	2.851	11.1	19.5
3 12	11 57.07	−21 13.1	1.914	2.843	8.6	19.4
3 22	11 47.66	−20 46.8	1.881	2.835	7.1	19.3
4 1	11 38.42	−20 0.1	1.874	2.826	7.6	19.3
4 11	11 30.35	−18 59.1	1.895	2.817	9.7	19.4
4 21	11 24.21	−17 51.7	1.940	2.808	12.5	19.5

189253 2004 TL_{100} 3 18.1 217°.54 4°.7/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.56	−16 10.5	2.495	3.219	13.6	20.6
2 21	12 10.91	−16 22.6	2.388	3.211	11.4	20.4
3 2	12 4.40	−16 16.5	2.302	3.202	8.8	20.2
3 12	11 56.55	−15 52.0	2.242	3.192	6.2	20.1
3 22	11 48.03	−15 10.5	2.210	3.182	4.7	19.9
4 1	11 39.68	−14 15.9	2.207	3.172	5.6	20.0
4 11	11 32.30	−13 13.8	2.232	3.160	8.2	20.1
4 21	11 26.51	−12 10.5	2.283	3.149	10.9	20.3

179005 2001 RT_{25} 3 18.1 228°.64 0°.3/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.54	− 1 37.6	2.063	2.863	13.7	21.6
2 21	12 12.67	− 1 23.2	1.966	2.854	10.6	21.4
3 2	12 5.64	− 0 56.5	1.893	2.844	6.9	21.2
3 12	11 57.05	− 0 20.4	1.846	2.834	2.8	20.9
3 22	11 47.72	+ 0 20.5	1.829	2.823	1.6	20.8
4 1	11 38.63	+ 1 0.6	1.840	2.812	5.9	21.0
4 11	11 30.74	+ 1 34.5	1.879	2.800	9.9	21.2
4 21	11 24.73	+ 1 58.3	1.942	2.788	13.4	21.4

325141 2008 EJ_{152} 3 18.1 254°.36 1°.4/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.82	− 5 16.8	1.818	2.618	15.2	21.4
2 21	12 10.85	− 4 59.0	1.726	2.611	11.9	21.2
3 2	12 4.59	− 4 23.7	1.657	2.604	8.0	20.9
3 12	11 56.67	− 3 33.8	1.612	2.597	3.7	20.7
3 22	11 47.97	− 2 34.3	1.596	2.590	1.9	20.5
4 1	11 39.55	− 1 32.4	1.607	2.583	6.1	20.8
4 11	11 32.45	− 0 35.3	1.645	2.575	10.4	21.0
4 21	11 27.39	+ 0 11.0	1.706	2.568	14.2	21.2

361690 Laurelanmaurer 3 18.1 211°.63 1°.7/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.21	+ 2 49.1	2.029	2.842	13.4	21.9
2 21	12 13.18	+ 3 33.1	1.937	2.834	10.2	21.7
3 2	12 5.96	+ 4 28.0	1.869	2.826	6.4	21.4
3 12	11 57.17	+ 5 28.5	1.829	2.817	2.6	21.1
3 22	11 47.65	+ 6 28.2	1.818	2.808	3.0	21.1
4 1	11 38.42	+ 7 20.6	1.837	2.797	7.0	21.4
4 11	11 30.43	+ 8 0.2	1.882	2.786	10.8	21.6
4 21	11 24.37	+ 8 23.9	1.951	2.774	14.2	21.8

324010 2005 UB_{309} 3 18.1 272°.00 12°.5/ 7.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.88	+35 41.7	1.858	2.649	15.3	20.2
2 21	12 24.74	+36 42.3	1.796	2.639	13.7	20.1
3 2	12 13.44	+37 24.2	1.756	2.627	12.6	20.0
3 12	12 0.01	+37 36.2	1.739	2.616	12.6	19.9
3 22	11 45.91	+37 11.5	1.747	2.605	13.6	20.0
4 1	11 32.77	+36 8.3	1.778	2.594	15.5	20.1
4 11	11 21.91	+34 30.8	1.831	2.582	17.5	20.2
4 21	11 14.10	+32 26.7	1.902	2.571	19.5	20.3

123669 2000 YH_{82} 3 18.1 92°.48 4°.6/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.54	−14 21.1	1.988	2.741	15.7	20.0
2 21	12 10.40	−14 29.1	1.905	2.749	12.9	19.9
3 2	12 4.15	−14 15.8	1.843	2.758	9.7	19.7
3 12	11 56.45	−13 41.6	1.805	2.766	6.5	19.5
3 22	11 48.14	−12 49.8	1.794	2.774	4.6	19.4
4 1	11 40.19	−11 45.7	1.811	2.782	6.0	19.5
4 11	11 33.52	−10 36.9	1.855	2.790	9.1	19.7
4 21	11 28.76	− 9 30.6	1.923	2.798	12.2	19.9

289007 2004 TW_{86} 3 18.1 355°.65 0°.8/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.22	+ 0 36.8	1.287	2.125	18.1	20.6
2 21	12 12.65	+ 0 55.5	1.214	2.123	13.9	20.4
3 2	12 6.07	+ 1 30.5	1.161	2.122	8.9	20.1
3 12	11 57.31	+ 2 16.0	1.131	2.121	3.3	19.7
3 22	11 47.58	+ 3 4.4	1.127	2.120	2.7	19.7
4 1	11 38.39	+ 3 46.7	1.147	2.120	8.4	20.0
4 11	11 31.11	+ 4 15.5	1.191	2.121	13.5	20.3
4 21	11 26.57	+ 4 26.6	1.255	2.122	17.9	20.6

425197 2009 UO_{151} 3 18.1 214°.37 1°.0/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.04	− 3 19.3	2.342	3.126	12.7	21.6
2 21	12 13.55	− 3 19.1	2.242	3.118	9.9	21.4
3 2	12 6.09	− 3 7.7	2.165	3.110	6.6	21.1
3 12	11 57.21	− 2 47.0	2.116	3.101	3.0	20.9
3 22	11 47.65	− 2 20.3	2.097	3.091	1.6	20.8
4 1	11 38.31	− 1 51.8	2.108	3.081	5.2	21.0
4 11	11 30.03	− 1 26.1	2.148	3.070	8.8	21.2
4 21	11 23.48	− 1 6.9	2.213	3.058	12.0	21.4

495423 2014 SJ_{157} 3 18.1 171°.62 3°.1/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.94	−14 30.9	2.189	2.934	14.7	22.1
2 21	12 10.52	−13 38.9	2.094	2.938	11.9	21.9
3 2	12 4.16	−12 22.8	2.021	2.942	8.7	21.7
3 12	11 56.44	−10 45.2	1.975	2.944	5.2	21.5
3 22	11 48.17	− 8 51.5	1.959	2.946	3.1	21.3
4 1	11 40.22	− 6 49.7	1.973	2.948	5.2	21.5
4 11	11 33.43	− 4 49.4	2.017	2.948	8.7	21.7
4 21	11 28.41	− 2 58.7	2.087	2.948	12.0	21.9

464558 2016 CZ_{43} 3 18.1 204°.24 5°.1/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 18.01	+12 24.9	2.089	2.918	12.4	22.0
2 21	12 12.97	+13 46.6	2.009	2.913	9.5	21.8
3 2	12 5.80	+15 12.4	1.954	2.907	6.6	21.6
3 12	11 57.11	+16 34.2	1.928	2.899	5.1	21.5
3 22	11 47.75	+17 44.0	1.931	2.891	6.4	21.5
4 1	11 38.72	+18 35.4	1.961	2.883	9.3	21.7
4 11	11 30.95	+19 4.7	2.017	2.873	12.4	21.9
4 21	11 25.10	+19 11.7	2.095	2.862	15.2	22.0

264502 2001 QT_{118} 3 18.1 121°.31 2°.6/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.50	− 5 44.2	2.185	2.944	14.3	20.9
2 21	12 20.65	− 6 27.5	2.103	2.961	11.3	20.7
3 2	12 10.54	− 6 59.3	2.046	2.978	7.8	20.5
3 12	11 58.89	− 7 19.7	2.018	2.994	4.3	20.3
3 22	11 46.64	− 7 30.3	2.020	3.010	2.8	20.2
4 1	11 34.88	− 7 33.6	2.055	3.025	5.5	20.4
4 11	11 24.56	− 7 33.6	2.119	3.039	9.0	20.6
4 21	11 16.37	− 7 34.2	2.210	3.053	12.1	20.9

402988 2007 VX_{87} 3 18.1 132°.30 2°.0/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.01	− 7 15.6	1.997	2.775	14.8	22.1
2 21	12 13.63	− 7 2.9	1.920	2.790	11.6	22.0
3 2	12 6.14	− 6 33.3	1.866	2.805	7.9	21.8
3 12	11 57.20	− 5 49.5	1.839	2.819	4.0	21.5
3 22	11 47.73	− 4 56.1	1.840	2.833	2.2	21.4
4 1	11 38.71	− 3 59.1	1.871	2.845	5.5	21.7
4 11	11 31.05	− 3 5.1	1.929	2.857	9.2	21.9
4 21	11 25.37	− 2 19.4	2.013	2.868	12.6	22.2

284363 2006 SY_{133} 3 18.1 189°.05 3°.6/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.50	−13 59.5	2.858	3.591	11.8	21.7
2 21	12 9.05	−14 5.2	2.758	3.590	9.7	21.5
3 2	12 3.06	−13 55.8	2.680	3.589	7.3	21.3
3 12	11 56.01	−13 31.9	2.629	3.587	4.9	21.2
3 22	11 48.48	−12 55.4	2.607	3.585	3.6	21.1
4 1	11 41.13	−12 9.7	2.615	3.583	4.6	21.2
4 11	11 34.63	−11 19.4	2.651	3.580	7.0	21.3
4 21	11 29.47	−10 29.4	2.714	3.577	9.5	21.5

105133 2000 NA 3 18.1 243°.04 1°.5/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.17	+ 2 21.7	1.950	2.761	13.9	20.3
2 21	12 14.14	+ 2 57.0	1.847	2.743	10.6	20.1
3 2	12 6.74	+ 3 44.1	1.768	2.724	6.8	19.8
3 12	11 57.55	+ 4 38.1	1.716	2.704	2.6	19.5
3 22	11 47.45	+ 5 32.8	1.693	2.684	2.8	19.5
4 1	11 37.51	+ 6 21.2	1.699	2.662	7.2	19.7
4 11	11 28.82	+ 6 57.6	1.732	2.640	11.4	19.9
4 21	11 22.17	+ 7 18.5	1.788	2.616	15.1	20.1

345683 2006 UL_{119} 3 18.1 324°.59 1°.9/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.58	− 8 28.2	2.299	3.079	13.0	20.5
2 21	12 7.14	− 7 58.9	2.207	3.078	10.3	20.3
3 2	12 1.98	− 7 12.7	2.138	3.076	7.1	20.1
3 12	11 55.62	− 6 12.1	2.095	3.075	3.7	19.9
3 22	11 48.74	− 5 1.8	2.081	3.074	2.0	19.8
4 1	11 42.12	− 3 47.5	2.096	3.072	4.8	20.0
4 11	11 36.49	− 2 35.9	2.139	3.071	8.2	20.2
4 21	11 32.41	− 1 32.3	2.207	3.070	11.4	20.4

111125 2001 VL_{91} 3 18.1 220°.83 6°.3/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.16	+22 19.9	2.766	3.591	9.8	20.3
2 21	12 9.64	+23 41.0	2.694	3.583	8.0	20.2
3 2	12 3.47	+24 58.4	2.649	3.574	6.6	20.1
3 12	11 56.18	+26 5.4	2.632	3.564	6.4	20.1
3 22	11 48.40	+26 56.6	2.643	3.555	7.5	20.1
4 1	11 40.88	+27 28.1	2.681	3.544	9.4	20.2
4 11	11 34.32	+27 38.5	2.743	3.534	11.3	20.3
4 21	11 29.22	+27 28.6	2.825	3.523	13.2	20.5

177352 2003 YL_{157} 3 18.1 165°.70 2°.8/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.85	− 8 53.4	2.016	2.789	14.9	21.0
2 21	12 12.89	− 8 51.7	1.929	2.793	11.9	20.8
3 2	12 5.76	− 8 32.4	1.863	2.797	8.3	20.6
3 12	11 57.11	− 7 57.1	1.824	2.801	4.7	20.3
3 22	11 47.80	− 7 9.6	1.813	2.803	2.8	20.2
4 1	11 38.83	− 6 15.5	1.831	2.806	5.6	20.4
4 11	11 31.15	− 5 21.4	1.876	2.807	9.3	20.6
4 21	11 25.42	− 4 33.3	1.947	2.808	12.7	20.8

374993 2007 ED_{191} 3 18.1 148°.26 1°.2/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.06	+ 2 39.7	2.039	2.853	13.3	21.2
2 21	12 12.17	+ 3 4.6	1.959	2.857	10.0	21.0
3 2	12 5.23	+ 3 38.7	1.904	2.861	6.3	20.8
3 12	11 56.88	+ 4 17.5	1.876	2.865	2.4	20.5
3 22	11 47.97	+ 4 55.6	1.877	2.868	2.5	20.5
4 1	11 39.45	+ 5 27.8	1.907	2.872	6.4	20.8
4 11	11 32.19	+ 5 49.8	1.963	2.875	10.1	21.0
4 21	11 26.81	+ 5 59.0	2.043	2.878	13.3	21.2

167619 2004 CW_{34} 3 18.1 177°.80 2°.3/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.72	− 8 7.5	2.604	3.368	12.1	20.5
2 21	12 10.81	− 8 12.3	2.509	3.369	9.6	20.4
3 2	12 4.23	− 8 4.1	2.439	3.370	6.8	20.2
3 12	11 56.48	− 7 44.3	2.395	3.371	3.8	20.0
3 22	11 48.22	− 7 15.5	2.382	3.371	2.3	19.9
4 1	11 40.19	− 6 41.3	2.398	3.371	4.6	20.0
4 11	11 33.11	− 6 6.2	2.443	3.371	7.6	20.2
4 21	11 27.52	− 5 34.4	2.513	3.370	10.4	20.4

467788 2009 WY_{200} 3 18.1 53°.29 8°.3/ 9.9 18

2 11	12 16.83	+20 50.6	1.729	2.572	14.0	20.7
2 21	12 12.30	+22 14.8	1.681	2.583	11.2	20.6
3 2	12 5.39	+23 33.1	1.657	2.594	8.9	20.5
3 12	11 56.93	+24 35.6	1.658	2.605	8.3	20.5
3 22	11 47.98	+25 14.6	1.685	2.617	9.7	20.6
4 1	11 39.68	+25 25.8	1.737	2.628	12.1	20.7
4 11	11 33.03	+25 9.1	1.811	2.640	14.8	20.9
4 21	11 28.60	+24 27.7	1.903	2.652	17.1	21.1

65093 2002 CG_{2} 3 18.1 177°.10 0°.7/17.5 18

2 11	12 20.57	+ 0 54.2	1.868	2.676	14.6	19.5
2 21	12 15.06	+ 1 15.3	1.785	2.678	11.1	19.3
3 2	12 7.20	+ 1 48.0	1.725	2.680	7.1	19.0
3 12	11 57.68	+ 2 27.7	1.692	2.681	2.7	18.8
3 22	11 47.45	+ 3 9.0	1.688	2.681	2.2	18.7
4 1	11 37.63	+ 3 45.7	1.713	2.681	6.7	19.0
4 11	11 29.25	+ 4 12.7	1.765	2.680	10.8	19.3
4 21	11 23.02	+ 4 26.8	1.840	2.678	14.3	19.5

379519 2010 LS_{68} 3 18.1 215°.31 0°.9/19.1 17

2 11	12 15.71	− 5 41.6	2.134	2.920	13.7	22.1
2 21	12 11.23	− 5 1.4	2.034	2.912	10.7	21.8
3 2	12 4.72	− 4 4.0	1.957	2.902	7.1	21.6
3 12	11 56.73	− 2 52.5	1.907	2.892	3.2	21.3
3 22	11 48.04	− 1 32.4	1.887	2.881	1.6	21.2
4 1	11 39.57	− 0 11.0	1.897	2.870	5.6	21.4
4 11	11 32.22	+ 1 4.6	1.934	2.857	9.5	21.6
4 21	11 26.66	+ 2 8.7	1.997	2.844	13.0	21.8

462857 2010 VL_{16} 3 18.1 33°.48 2°.3/19.7 18

2 11	12 17.36	− 4 45.5	1.332	2.150	18.8	20.2
2 21	12 13.26	− 5 6.1	1.270	2.163	14.7	20.0
3 2	12 6.29	− 5 7.8	1.228	2.177	9.9	19.8
3 12	11 57.36	− 4 53.2	1.208	2.192	4.9	19.5
3 22	11 47.70	− 4 27.0	1.214	2.208	2.7	19.4
4 1	11 38.72	− 3 56.1	1.246	2.224	7.0	19.7
4 11	11 31.67	− 3 28.0	1.302	2.241	11.7	20.0
4 21	11 27.27	− 3 8.5	1.379	2.259	15.8	20.3

133312 2003 SC_{66} 3 18.1 234°.79 2°.2/15.9 18

2 11	12 17.14	+ 3 38.8	1.868	2.690	14.0	20.6
2 21	12 12.60	+ 4 29.7	1.775	2.678	10.6	20.4
3 2	12 5.74	+ 5 32.4	1.706	2.665	6.7	20.1
3 12	11 57.17	+ 6 40.9	1.664	2.652	2.9	19.8
3 22	11 47.77	+ 7 47.7	1.651	2.638	3.6	19.8
4 1	11 38.63	+ 8 45.3	1.665	2.624	7.7	20.1
4 11	11 30.80	+ 9 27.7	1.706	2.609	11.8	20.3
4 21	11 25.04	+ 9 51.6	1.769	2.594	15.4	20.5

377833 2006 BY_{116} 3 18.1 351°.58 1°.5/16.6 17

2 11	12 11.71	+ 1 10.0	1.706	2.536	14.7	20.7
2 21	12 8.54	+ 2 1.8	1.627	2.533	11.2	20.5
3 2	12 3.13	+ 3 8.1	1.571	2.531	7.0	20.2
3 12	11 56.13	+ 4 22.5	1.540	2.529	2.7	19.9
3 22	11 48.46	+ 5 37.2	1.537	2.528	3.0	20.0
4 1	11 41.17	+ 6 43.9	1.561	2.527	7.4	20.2
4 11	11 35.23	+ 7 35.9	1.610	2.526	11.5	20.5
4 21	11 31.33	+ 8 9.3	1.681	2.526	15.2	20.7

88987 2001 TF_{71} 3 18.1 179°.63 1°.9/16.4 18

2 11	12 17.89	+ 2 17.8	1.681	2.503	15.3	20.2
2 21	12 13.27	+ 3 8.4	1.602	2.505	11.6	19.9
3 2	12 6.17	+ 4 12.4	1.547	2.506	7.3	19.7
3 12	11 57.32	+ 5 23.2	1.517	2.506	2.9	19.4
3 22	11 47.72	+ 6 32.6	1.516	2.506	3.3	19.4
4 1	11 38.56	+ 7 32.7	1.542	2.505	7.8	19.7
4 11	11 30.93	+ 8 16.9	1.594	2.504	12.1	19.9
4 21	11 25.55	+ 8 42.1	1.668	2.502	15.8	20.2

117179 2004 RH_{77} 3 18.1 98°.36 1°.8/16.5 18

2 11	12 15.20	+ 0 45.5	1.480	2.311	16.5	19.6
2 21	12 11.43	+ 1 51.0	1.410	2.318	12.5	19.3
3 2	12 5.07	+ 3 13.6	1.364	2.324	7.8	19.1
3 12	11 56.90	+ 4 45.2	1.342	2.331	3.0	18.8
3 22	11 48.02	+ 6 15.9	1.347	2.338	3.5	18.8
4 1	11 39.68	+ 7 35.5	1.379	2.344	8.3	19.1
4 11	11 33.01	+ 8 36.2	1.436	2.351	12.8	19.4
4 21	11 28.73	+ 9 14.3	1.514	2.357	16.6	19.7

219557 2001 RL_{132} 3 18.1 248°.92 1°.4/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 18.39	+ 3 12.1	2.082	2.893	13.1	21.7
2 21	12 13.39	+ 3 38.6	1.979	2.876	10.0	21.4
3 2	12 6.18	+ 4 14.6	1.901	2.858	6.4	21.2
3 12	11 57.34	+ 4 55.7	1.851	2.839	2.5	20.9
3 22	11 47.69	+ 5 36.5	1.829	2.820	2.7	20.8
4 1	11 38.22	+ 6 11.3	1.837	2.800	6.7	21.1
4 11	11 29.92	+ 6 35.3	1.872	2.780	10.7	21.3
4 21	11 23.51	+ 6 45.5	1.930	2.759	14.2	21.4

430769 2004 RW_{248} 3 18.1 133°.74 5°.7/25.6 15

2 11	12 17.76	−21 36.4	2.775	3.452	13.3	22.4
2 21	12 12.30	−21 59.5	2.689	3.470	11.4	22.3
3 2	12 5.14	−22 3.8	2.623	3.487	9.2	22.1
3 12	11 56.84	−21 48.5	2.583	3.503	7.2	22.0
3 22	11 48.07	−21 14.8	2.570	3.518	5.8	21.9
4 1	11 39.60	−20 25.8	2.587	3.533	6.1	22.0
4 11	11 32.15	−19 26.9	2.631	3.547	7.6	22.1
4 21	11 26.24	−18 23.7	2.703	3.560	9.7	22.3

178143 2006 TP_{73} 3 18.1 139°.45 3°.0/13.9 18

2 11	12 11.65	+ 8 14.0	2.607	3.432	10.4	20.7
2 21	12 7.68	+ 9 22.6	2.534	3.439	7.7	20.6
3 2	12 2.19	+10 36.3	2.487	3.445	5.0	20.4
3 12	11 55.70	+11 49.3	2.470	3.451	3.1	20.3
3 22	11 48.81	+12 56.0	2.482	3.457	4.0	20.3
4 1	11 42.21	+13 51.4	2.524	3.463	6.6	20.5
4 11	11 36.53	+14 32.1	2.592	3.468	9.3	20.7
4 21	11 32.24	+14 56.6	2.684	3.473	11.7	20.9

285923 2001 QN_{213} 3 18.1 209°.17 0°.6/17.5 17

2 11	12 17.24	− 1 34.0	1.858	2.665	14.7	22.1
2 21	12 12.66	− 0 42.0	1.766	2.659	11.3	21.9
3 2	12 5.77	+ 0 26.7	1.697	2.652	7.2	21.6
3 12	11 57.19	+ 1 47.0	1.655	2.644	2.7	21.3
3 22	11 47.82	+ 3 11.3	1.642	2.635	2.2	21.2
4 1	11 38.74	+ 4 31.4	1.658	2.626	6.8	21.5
4 11	11 30.98	+ 5 39.6	1.701	2.616	11.1	21.7
4 21	11 25.29	+ 6 30.9	1.767	2.605	14.9	21.9

301408 2009 DU_{41} 3 18.1 283°.25 1°.5/19.5 18

2 11	12 15.96	− 4 9.6	2.270	3.058	12.9	20.3
2 21	12 11.28	− 4 18.5	2.175	3.053	10.1	20.1
3 2	12 4.68	− 4 15.8	2.103	3.047	6.8	19.8
3 12	11 56.72	− 4 3.3	2.059	3.042	3.3	19.6
3 22	11 48.13	− 3 43.8	2.043	3.037	1.8	19.5
4 1	11 39.79	− 3 21.4	2.057	3.032	5.1	19.7
4 11	11 32.52	− 3 0.5	2.099	3.026	8.6	19.9
4 21	11 26.93	− 2 44.8	2.165	3.021	11.8	20.1

304938 2007 SF_{16} 3 18.1 114°.75 0°.9/18.9 18

2 11	12 18.15	− 4 25.0	1.740	2.540	15.8	21.6
2 21	12 13.24	− 3 56.8	1.670	2.556	12.2	21.4
3 2	12 6.02	− 3 11.3	1.622	2.571	8.0	21.2
3 12	11 57.22	− 2 12.9	1.600	2.586	3.4	20.9
3 22	11 47.85	− 1 7.9	1.606	2.601	1.7	20.8
4 1	11 39.02	− 0 3.8	1.641	2.615	6.2	21.1
4 11	11 31.72	+ 0 52.3	1.702	2.628	10.4	21.4
4 21	11 26.58	+ 1 35.3	1.786	2.641	14.0	21.7

110542 2001 TH_{96} 3 18.1 13°.70 0°.1/18.1 18

2 11	12 16.20	− 0 23.8	1.530	2.354	16.4	19.0
2 21	12 12.18	− 0 17.4	1.455	2.356	12.6	18.7
3 2	12 5.57	+ 0 2.9	1.401	2.358	8.1	18.5
3 12	11 57.12	+ 0 33.1	1.372	2.361	3.2	18.2
3 22	11 47.91	+ 1 7.3	1.370	2.364	2.0	18.1
4 1	11 39.17	+ 1 38.9	1.394	2.368	7.0	18.4
4 11	11 32.07	+ 2 1.8	1.443	2.372	11.6	18.7
4 21	11 27.34	+ 2 12.0	1.513	2.377	15.6	18.9

83921 2001 VB_{16} 3 18.1 213°.01 4°.8/12.9 18

2 11	12 17.87	+13 5.1	2.188	3.016	12.0	20.1
2 21	12 12.78	+14 7.2	2.106	3.009	9.2	19.9
3 2	12 5.66	+15 11.8	2.050	3.002	6.4	19.7
3 12	11 57.10	+16 11.8	2.021	2.993	4.8	19.6
3 22	11 47.92	+17 0.5	2.022	2.985	6.0	19.7
4 1	11 39.06	+17 32.5	2.050	2.975	8.8	19.8
4 11	11 31.41	+17 45.1	2.104	2.966	11.8	20.0
4 21	11 25.59	+17 38.0	2.180	2.955	14.5	20.2

362359 2010 NQ_{5} 3 18.1 267°.97 4°.7/13.8 16

2 11	12 15.52	+ 8 31.1	1.573	2.416	15.1	21.1
2 21	12 11.76	+ 9 47.3	1.492	2.406	11.5	20.9
3 2	12 5.39	+11 13.5	1.434	2.395	7.6	20.6
3 12	11 57.09	+12 40.1	1.403	2.384	4.8	20.4
3 22	11 47.91	+13 57.1	1.398	2.374	6.3	20.5
4 1	11 39.09	+14 55.3	1.419	2.363	10.3	20.7
4 11	11 31.83	+15 29.0	1.464	2.352	14.4	20.9
4 21	11 26.92	+15 36.9	1.528	2.341	18.0	21.1

60552 2000 EO_{89} 3 18.1 244.°75 1.°0/17.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.17	+ 1 48.1	2.153	2.967	12.7	19.8
2 21	12 9.96	+ 2 18.4	2.066	2.964	9.6	19.6
3 2	12 3.84	+ 2 58.8	2.004	2.961	6.1	19.3
3 12	11 56.40	+ 3 44.8	1.969	2.958	2.3	19.1
3 22	11 48.38	+ 4 31.1	1.963	2.955	2.3	19.1
4 1	11 40.65	+ 5 12.4	1.985	2.951	6.1	19.3
4 11	11 34.04	+ 5 43.9	2.035	2.948	9.7	19.5
4 21	11 29.15	+ 6 2.7	2.108	2.945	12.8	19.7

157232 2004 RF_{76} 3 18.1 259.°20 2.°3/15.8 18

2 11	12 14.34	+ 4 20.1	1.936	2.762	13.4	20.2
2 21	12 10.34	+ 5 9.5	1.850	2.755	10.1	20.0
3 2	12 4.22	+ 6 9.1	1.787	2.747	6.4	19.7
3 12	11 56.58	+ 7 13.0	1.752	2.739	2.8	19.5
3 22	11 48.25	+ 8 14.1	1.744	2.731	3.6	19.5
4 1	11 40.23	+ 9 5.8	1.765	2.723	7.4	19.7
4 11	11 33.45	+ 9 42.7	1.812	2.715	11.2	20.0
4 21	11 28.57	+10 2.1	1.881	2.707	14.6	20.2

376502 2012 KY_{45} 3 18.1 155.°04 0.°7/17.2 17

2 11	12 13.33	− 0 47.2	2.477	3.278	11.6	22.0
2 21	12 9.02	+ 0 12.7	2.395	3.286	8.8	21.8
3 2	12 3.09	+ 1 24.2	2.338	3.293	5.5	21.6
3 12	11 56.06	+ 2 42.7	2.311	3.299	2.0	21.4
3 22	11 48.61	+ 4 2.3	2.313	3.306	1.9	21.3
4 1	11 41.45	+ 5 17.1	2.347	3.311	5.4	21.6
4 11	11 35.27	+ 6 21.8	2.408	3.316	8.6	21.8
4 21	11 30.57	+ 7 12.9	2.495	3.321	11.4	22.0

500228 2012 JV_{1} 3 18.1 318.°50 1.°1/17.1 17

2 11	12 10.39	− 1 1.4	1.516	2.349	16.1	21.1
2 21	12 7.96	− 0 5.1	1.425	2.333	12.4	20.8
3 2	12 3.02	+ 1 11.4	1.357	2.317	7.9	20.5
3 12	11 56.21	+ 2 42.0	1.312	2.302	2.9	20.2
3 22	11 48.47	+ 4 17.6	1.295	2.287	2.8	20.2
4 1	11 40.99	+ 5 47.6	1.303	2.273	8.0	20.4
4 11	11 34.96	+ 7 2.1	1.336	2.260	12.8	20.7
4 21	11 31.19	+ 7 55.1	1.390	2.247	17.1	20.9

502343 2015 BK_{193} 3 18.1 160.°86 2.°6/15.3 17

2 11	12 15.02	+ 6 6.9	2.143	2.967	12.4	22.0
2 21	12 10.56	+ 6 57.4	2.066	2.970	9.3	21.8
3 2	12 4.19	+ 7 55.0	2.014	2.972	5.9	21.6
3 12	11 56.52	+ 8 54.1	1.989	2.975	2.9	21.4
3 22	11 48.32	+ 9 48.5	1.994	2.977	3.8	21.4
4 1	11 40.49	+10 32.4	2.027	2.979	7.1	21.6
4 11	11 33.82	+11 1.8	2.087	2.981	10.4	21.8
4 21	11 28.90	+11 14.9	2.169	2.983	13.3	22.0

322855 2001 UL_{54} 3 18.1 193.°97 1.°0/19.0 17

2 11	12 20.09	− 2 51.8	2.235	3.020	13.2	21.5
2 21	12 14.42	− 2 55.3	2.140	3.018	10.3	21.3
3 2	12 6.69	− 2 47.5	2.070	3.016	6.8	21.1
3 12	11 57.51	− 2 30.8	2.028	3.013	3.0	20.8
3 22	11 47.68	− 2 8.3	2.015	3.009	1.6	20.7
4 1	11 38.12	− 1 44.3	2.033	3.005	5.3	21.0
4 11	11 29.73	− 1 23.3	2.079	3.000	9.0	21.2
4 21	11 23.15	− 1 8.9	2.149	2.995	12.3	21.4

32411 2000 RY_{24} 3 18.1 347.°99 4.°4/23.7 18

2 11	12 10.25	−16 37.8	2.251	2.990	14.5	19.1
2 21	12 7.02	−16 22.3	2.155	2.989	12.0	18.9
3 2	12 1.99	−15 44.6	2.081	2.988	9.2	18.7
3 12	11 55.69	−14 45.6	2.031	2.987	6.3	18.5
3 22	11 48.84	−13 28.6	2.008	2.986	4.5	18.4
4 1	11 42.25	−11 59.3	2.014	2.985	5.5	18.4
4 11	11 36.70	−10 25.4	2.048	2.985	8.2	18.6
4 21	11 32.77	− 8 54.5	2.107	2.984	11.2	18.8

43449 2000 YC_{83} 3 18.1 326.°01 2.°2/16.4 18

2 11	12 12.93	+ 2 32.8	1.298	2.146	17.4	18.7
2 21	12 10.28	+ 3 14.0	1.216	2.132	13.3	18.4
3 2	12 4.70	+ 4 11.7	1.155	2.119	8.4	18.1
3 12	11 56.90	+ 5 18.9	1.117	2.107	3.4	17.8
3 22	11 48.04	+ 6 26.0	1.104	2.095	3.9	17.8
4 1	11 39.54	+ 7 22.6	1.116	2.085	9.3	18.1
4 11	11 32.79	+ 8 0.6	1.150	2.075	14.4	18.3
4 21	11 28.72	+ 8 15.8	1.204	2.065	18.9	18.5

245301 2005 EE_{6} 3 18.1 229.°20 0.°6/17.6 16

2 11	12 17.39	+ 0 0.0	1.910	2.720	14.2	21.4
2 21	12 12.75	+ 0 30.3	1.816	2.711	10.9	21.1
3 2	12 5.83	+ 1 13.8	1.745	2.701	7.0	20.9
3 12	11 57.23	+ 2 6.2	1.701	2.690	2.6	20.6
3 22	11 47.85	+ 3 1.6	1.686	2.679	2.1	20.5
4 1	11 38.73	+ 3 53.1	1.699	2.668	6.6	20.8
4 11	11 30.89	+ 4 34.7	1.739	2.656	10.8	21.0
4 21	11 25.07	+ 5 2.4	1.802	2.643	14.5	21.2

341702 2007 VS_{166} 3 18.1 108.°94 4.°0/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.27	+12 57.4	2.552	3.378	10.6	21.0
2 21	12 10.35	+13 52.1	2.493	3.395	8.0	20.9
3 2	12 3.85	+14 47.5	2.461	3.412	5.5	20.8
3 12	11 56.33	+15 37.9	2.457	3.429	4.0	20.7
3 22	11 48.49	+16 18.4	2.482	3.446	5.0	20.8
4 1	11 41.06	+16 45.2	2.536	3.462	7.3	20.9
4 11	11 34.68	+16 56.4	2.617	3.478	9.8	21.1
4 21	11 29.83	+16 52.0	2.720	3.493	12.0	21.3

61060 2000 LH_{1} 3 18.1 264.°12 2.°0/16.3 18

2 11	12 15.98	+ 1 38.7	1.645	2.470	15.4	19.3
2 21	12 12.16	+ 2 38.1	1.546	2.450	11.8	19.0
3 2	12 5.73	+ 3 54.6	1.469	2.429	7.5	18.7
3 12	11 57.29	+ 5 21.8	1.419	2.408	3.0	18.4
3 22	11 47.79	+ 6 50.7	1.396	2.386	3.6	18.4
4 1	11 38.46	+ 8 11.3	1.401	2.363	8.5	18.6
4 11	11 30.53	+ 9 15.1	1.430	2.340	13.2	18.8
4 21	11 24.89	+ 9 57.3	1.481	2.317	17.3	19.0

46125 2001 FB_{43} 3 18.1 246.°92 0.°8/18.8 18 R

2 11	12 16.28	− 3 39.0	1.830	2.633	15.0	18.8
2 21	12 12.04	− 3 19.0	1.734	2.622	11.7	18.6
3 2	12 5.45	− 2 42.8	1.660	2.611	7.8	18.3
3 12	11 57.12	− 1 53.3	1.612	2.599	3.3	18.0
3 22	11 47.94	− 0 56.1	1.593	2.587	1.7	17.9
4 1	11 39.01	+ 0 2.1	1.601	2.575	6.3	18.2
4 11	11 31.38	+ 0 53.9	1.636	2.562	10.7	18.4
4 21	11 25.82	+ 1 34.1	1.693	2.550	14.5	18.6

32917 1995 CM 3 18.1 338.°41 2.°7/16.6 18

2 11	12 14.49	+ 5 7.9	1.099	1.959	19.0	18.1
2 21	12 11.97	+ 5 18.2	1.021	1.943	14.6	17.8
3 2	12 6.05	+ 5 40.2	0.963	1.929	9.4	17.5
3 12	11 57.51	+ 6 7.1	0.927	1.916	3.9	17.1
3 22	11 47.67	+ 6 30.3	0.913	1.905	4.4	17.1
4 1	11 38.27	+ 6 41.3	0.923	1.894	10.1	17.4
4 11	11 30.95	+ 6 33.9	0.953	1.886	15.7	17.6
4 21	11 26.78	+ 6 6.0	1.002	1.879	20.6	17.9

42643 1998 FX_{66} 3 18.1 16.°66 1.°5/16.9 18

2 11	12 13.55	+ 1 0.0	1.236	2.082	18.2	18.6
2 21	12 10.64	+ 1 38.2	1.171	2.085	13.9	18.3
3 2	12 4.80	+ 2 33.7	1.126	2.089	8.7	18.1
3 12	11 56.88	+ 3 39.4	1.104	2.094	3.3	17.7
3 22	11 48.14	+ 4 45.5	1.107	2.100	3.3	17.8
4 1	11 40.00	+ 5 42.0	1.135	2.106	8.7	18.1
4 11	11 33.78	+ 6 21.0	1.185	2.114	13.7	18.4
4 21	11 30.23	+ 6 38.8	1.256	2.122	18.0	18.7

318008 2004 CN_{83} 3 18.1 0.°04 0.°3/17.7 17

2 11	12 9.76	+ 0 3.8	2.549	3.359	11.1	20.4
2 21	12 6.34	+ 0 28.8	2.463	3.358	8.4	20.2
3 2	12 1.41	+ 1 3.1	2.402	3.357	5.3	20.0
3 12	11 55.45	+ 1 43.3	2.368	3.357	2.0	19.7
3 22	11 49.05	+ 2 25.3	2.364	3.357	1.5	19.7
4 1	11 42.91	+ 3 4.7	2.388	3.358	4.9	19.9
4 11	11 37.64	+ 3 37.4	2.440	3.359	8.0	20.1
4 21	11 33.74	+ 4 0.5	2.517	3.360	10.8	20.3

55514 2001 VJ_{6} 3 18.1 19.°41 0.°4/18.5 18

2 11	12 11.95	− 2 1.5	1.701	2.522	15.2	18.4
2 21	12 8.65	− 1 45.1	1.632	2.530	11.7	18.2
3 2	12 3.15	− 1 14.0	1.584	2.539	7.5	18.0
3 12	11 56.17	− 0 32.4	1.562	2.550	3.0	17.7
3 22	11 48.62	+ 0 13.8	1.566	2.561	1.7	17.6
4 1	11 41.54	+ 0 58.2	1.597	2.572	6.2	17.9
4 11	11 35.84	+ 1 34.5	1.654	2.585	10.3	18.2
4 21	11 32.15	+ 1 58.8	1.734	2.598	13.9	18.5

60924 2000 JF_{44} 3 18.1 274.°49 1.°0/17.4 17

2 11	12 18.74	+ 0 43.0	1.642	2.460	15.8	19.9
2 21	12 14.42	+ 1 11.4	1.533	2.433	12.2	19.6
3 2	12 7.32	+ 1 55.1	1.447	2.404	7.9	19.3
3 12	11 57.98	+ 2 49.8	1.386	2.375	3.0	18.9
3 22	11 47.37	+ 3 48.6	1.353	2.346	2.7	18.8
4 1	11 36.80	+ 4 43.3	1.347	2.315	8.0	19.0
4 11	11 27.61	+ 5 26.1	1.366	2.285	13.0	19.2
4 21	11 20.81	+ 5 51.8	1.407	2.253	17.5	19.4

500015 2011 QZ_{48} 3 18.1 203.°96 0.°9/16.9 17

2 11	12 15.06	+ 3 2.0	2.857	3.660	10.2	21.9
2 21	12 10.17	+ 3 21.3	2.764	3.655	7.7	21.7
3 2	12 3.79	+ 3 47.0	2.696	3.651	4.9	21.5
3 12	11 56.37	+ 4 15.8	2.658	3.646	1.9	21.3
3 22	11 48.50	+ 4 44.3	2.649	3.641	1.9	21.2
4 1	11 40.86	+ 5 8.8	2.672	3.635	4.9	21.5
4 11	11 34.06	+ 5 26.3	2.723	3.629	7.8	21.6
4 21	11 28.59	+ 5 34.8	2.799	3.623	10.4	21.8

408882 2001 TN_{238} 3 18.1 103°.72 3°.7/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 18.69	+ 9 21.3	2.076	2.900	12.7	21.7
2 21	12 13.19	+10 22.4	2.022	2.925	9.5	21.6
3 2	12 5.75	+11 27.3	1.994	2.950	6.2	21.4
3 12	11 57.10	+12 29.1	1.993	2.974	3.8	21.3
3 22	11 48.09	+13 21.2	2.022	2.997	4.8	21.4
4 1	11 39.65	+13 58.7	2.080	3.020	7.8	21.6
4 11	11 32.57	+14 18.8	2.164	3.042	10.8	21.9
4 21	11 27.37	+14 21.4	2.270	3.063	13.4	22.1

68965 2002 RH_{88} 3 18.1 173°.76 0°.2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.04	− 2 6.9	2.444	3.239	11.9	19.9
2 21	12 9.63	− 1 42.4	2.356	3.241	9.1	19.7
3 2	12 3.54	− 1 6.7	2.292	3.242	5.9	19.5
3 12	11 56.29	− 0 23.0	2.256	3.244	2.4	19.3
3 22	11 48.55	+ 0 24.4	2.250	3.244	1.4	19.2
4 1	11 41.08	+ 1 10.6	2.274	3.245	5.0	19.5
4 11	11 34.60	+ 1 51.1	2.325	3.245	8.3	19.7
4 21	11 29.64	+ 2 22.3	2.402	3.245	11.2	19.9

90751 1993 QE_{9} 3 18.1 139°.29 1°.3/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.56	+ 0 45.9	1.761	2.577	14.9	19.7
2 21	12 12.84	+ 1 38.8	1.688	2.587	11.3	19.5
3 2	12 5.82	+ 2 45.5	1.639	2.597	7.1	19.3
3 12	11 57.21	+ 3 59.8	1.617	2.606	2.7	19.0
3 22	11 47.99	+ 5 13.8	1.623	2.614	2.8	19.0
4 1	11 39.27	+ 6 19.6	1.657	2.622	7.2	19.3
4 11	11 32.02	+ 7 11.0	1.718	2.629	11.2	19.6
4 21	11 26.90	+ 7 44.6	1.801	2.636	14.7	19.8

522467 2016 CV_{321} 3 18.1 304°.80 0°.6/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.44	+ 0 47.7	1.660	2.483	15.4	21.2
2 21	12 11.72	+ 1 2.3	1.560	2.462	11.9	20.9
3 2	12 5.44	+ 1 30.0	1.483	2.441	7.7	20.6
3 12	11 57.20	+ 2 6.9	1.431	2.420	2.9	20.3
3 22	11 47.93	+ 2 47.2	1.405	2.399	2.3	20.2
4 1	11 38.84	+ 3 23.9	1.407	2.379	7.3	20.5
4 11	11 31.13	+ 3 50.6	1.434	2.358	12.1	20.7
4 21	11 25.67	+ 4 3.1	1.482	2.339	16.2	20.9

139069 2001 FJ_{11} 3 18.1 313°.37 0°.4/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.30	− 1 39.8	1.420	2.252	17.1	19.7
2 21	12 9.65	− 1 5.0	1.328	2.234	13.2	19.4
3 2	12 4.26	− 0 10.0	1.258	2.217	8.6	19.1
3 12	11 56.77	+ 1 0.2	1.211	2.200	3.3	18.8
3 22	11 48.21	+ 2 17.5	1.190	2.184	2.4	18.6
4 1	11 39.90	+ 3 31.9	1.194	2.168	8.0	18.9
4 11	11 33.15	+ 4 33.7	1.222	2.153	13.2	19.2
4 21	11 28.88	+ 5 16.3	1.271	2.138	17.7	19.4

206916 2004 PD_{80} 3 18.1 100°.66 9°.1/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.08	−20 8.2	1.711	2.417	19.5	20.2
2 21	12 22.01	−21 42.3	1.640	2.439	16.7	20.0
3 2	12 11.93	−22 52.4	1.587	2.460	13.7	19.8
3 12	11 59.66	−23 33.6	1.558	2.480	10.8	19.7
3 22	11 46.45	−23 43.9	1.555	2.500	9.2	19.7
4 1	11 33.79	−23 26.3	1.579	2.520	9.7	19.7
4 11	11 23.04	−22 48.4	1.628	2.539	11.8	19.9
4 21	11 15.07	−21 59.9	1.701	2.557	14.5	20.1

57702 2001 UV_{98} 3 18.1 326°.84 4°.3/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.25	+ 7 52.6	1.455	2.305	15.7	18.7
2 21	12 10.24	+ 8 47.7	1.373	2.291	11.9	18.4
3 2	12 4.54	+ 9 52.7	1.314	2.277	7.8	18.1
3 12	11 56.84	+10 59.0	1.279	2.264	4.5	17.9
3 22	11 48.21	+11 57.2	1.270	2.251	5.8	17.9
4 1	11 39.93	+12 38.3	1.286	2.239	10.1	18.1
4 11	11 33.26	+12 56.8	1.324	2.228	14.5	18.4
4 21	11 29.03	+12 51.2	1.382	2.218	18.3	18.6

378306 2007 FB_{11} 3 18.1 331°.04 5°.5/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.98	−16 19.6	1.534	2.308	18.7	20.3
2 21	12 6.22	−16 9.7	1.437	2.293	15.7	20.0
3 2	12 1.99	−15 28.4	1.358	2.278	12.0	19.8
3 12	11 55.87	−14 15.2	1.301	2.264	8.1	19.5
3 22	11 48.81	−12 33.9	1.268	2.251	5.6	19.3
4 1	11 42.00	−10 33.2	1.261	2.239	7.1	19.4
4 11	11 36.60	− 8 26.2	1.279	2.227	11.1	19.6
4 21	11 33.48	− 6 25.5	1.320	2.217	15.3	19.8

342313 2008 TF_{69} 3 18.1 271°.02 5°.3/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.02	+14 46.0	2.061	2.891	12.6	21.1
2 21	12 13.92	+15 32.8	1.970	2.872	9.7	20.9
3 2	12 6.56	+16 20.6	1.903	2.853	6.9	20.7
3 12	11 57.55	+17 2.2	1.864	2.834	5.3	20.6
3 22	11 47.78	+17 30.8	1.852	2.814	6.5	20.6
4 1	11 38.28	+17 41.5	1.868	2.794	9.4	20.7
4 11	11 30.04	+17 31.7	1.909	2.774	12.6	20.9
4 21	11 23.80	+17 1.8	1.972	2.754	15.6	21.0

494831 2007 TJ_{288} 3 18.1 208°.32 0°.9/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.56	+ 0 0.2	2.111	2.915	13.3	23.1
2 21	12 12.67	+ 0 47.9	2.016	2.908	10.1	22.9
3 2	12 5.69	+ 1 48.9	1.945	2.900	6.4	22.6
3 12	11 57.21	+ 2 58.3	1.902	2.891	2.4	22.4
3 22	11 48.02	+ 4 9.9	1.889	2.881	2.2	22.3
4 1	11 39.08	+ 5 16.8	1.906	2.871	6.4	22.6
4 11	11 31.31	+ 6 12.7	1.950	2.859	10.2	22.8
4 21	11 25.37	+ 6 53.8	2.018	2.847	13.6	23.0

437090 2012 UM_{78} 3 18.1 253°.98 4°.3/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.71	−15 0.7	2.339	3.080	13.9	21.2
2 21	12 8.90	−15 3.8	2.237	3.073	11.6	21.0
3 2	12 3.24	−14 47.7	2.156	3.065	8.8	20.8
3 12	11 56.25	−14 12.7	2.100	3.057	6.0	20.6
3 22	11 48.63	−13 21.1	2.071	3.049	4.3	20.5
4 1	11 41.21	−12 17.4	2.072	3.041	5.5	20.5
4 11	11 34.78	−11 8.0	2.099	3.033	8.3	20.7
4 21	11 29.97	− 9 59.4	2.153	3.025	11.2	20.9

83512 2001 SU_{128} 3 18.1 281°.35 1°.8/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.00	− 8 16.0	2.221	3.003	13.4	19.2
2 21	12 7.60	− 7 44.0	2.125	2.997	10.6	19.0
3 2	12 2.40	− 6 54.3	2.051	2.991	7.3	18.8
3 12	11 55.92	− 5 49.4	2.004	2.984	3.8	18.5
3 22	11 48.85	− 4 34.2	1.985	2.978	1.9	18.4
4 1	11 42.02	− 3 15.0	1.995	2.972	5.0	18.6
4 11	11 36.21	− 1 58.7	2.033	2.965	8.6	18.8
4 21	11 32.00	− 0 51.3	2.096	2.959	11.9	19.0

97153 1999 VR_{161} 3 18.1 143°.62 1°.6/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.71	− 6 22.4	2.174	2.958	13.6	20.5
2 21	12 10.37	− 6 8.0	2.088	2.963	10.6	20.3
3 2	12 4.13	− 5 38.4	2.026	2.967	7.2	20.1
3 12	11 56.58	− 4 56.2	1.990	2.972	3.6	19.9
3 22	11 48.48	− 4 5.6	1.982	2.976	1.8	19.8
4 1	11 40.69	− 3 12.0	2.004	2.980	5.1	20.0
4 11	11 34.04	− 2 21.3	2.054	2.983	8.7	20.2
4 21	11 29.10	− 1 38.4	2.128	2.986	11.9	20.4

285753 2000 UE_{1} 3 18.1 163°.40 5°.0/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.10	+19 24.1	3.017	3.839	9.2	21.3
2 21	12 10.12	+20 20.3	2.952	3.844	7.3	21.2
3 2	12 3.71	+21 13.7	2.913	3.849	5.6	21.1
3 12	11 56.35	+21 58.9	2.903	3.853	5.0	21.1
3 22	11 48.66	+22 31.8	2.923	3.857	5.9	21.1
4 1	11 41.27	+22 49.4	2.970	3.860	7.7	21.2
4 11	11 34.78	+22 50.6	3.043	3.863	9.6	21.4
4 21	11 29.64	+22 35.8	3.139	3.866	11.4	21.5

208508 2001 XA_{12} 3 18.1 65°.65 0°.9/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.71	+ 2 49.4	2.283	3.094	12.1	20.2
2 21	12 10.99	+ 3 2.9	2.202	3.098	9.2	20.0
3 2	12 4.46	+ 3 23.9	2.145	3.101	5.8	19.8
3 12	11 56.69	+ 3 48.7	2.116	3.105	2.2	19.5
3 22	11 48.44	+ 4 13.3	2.117	3.109	2.1	19.5
4 1	11 40.52	+ 4 33.4	2.147	3.113	5.7	19.8
4 11	11 33.70	+ 4 45.5	2.204	3.117	9.0	20.0
4 21	11 28.54	+ 4 47.4	2.285	3.121	12.0	20.2

361670 2007 TR_{450} 3 18.1 236°.83 4°.9/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.15	+10 32.2	1.741	2.577	14.2	20.9
2 21	12 13.57	+11 39.4	1.659	2.567	10.8	20.6
3 2	12 6.48	+12 52.9	1.600	2.557	7.3	20.4
3 12	11 57.58	+14 4.3	1.568	2.547	5.0	20.2
3 22	11 47.85	+15 4.6	1.564	2.536	6.3	20.3
4 1	11 38.47	+15 46.4	1.587	2.524	9.9	20.5
4 11	11 30.57	+16 5.5	1.633	2.513	13.6	20.7
4 21	11 24.91	+16 1.3	1.701	2.500	17.0	20.8

396693 2002 TN_{146} 3 18.1 212°.03 1°.9/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.72	− 6 43.6	1.682	2.474	16.6	22.1
2 21	12 14.12	− 6 26.5	1.589	2.468	13.1	21.8
3 2	12 6.92	− 5 49.1	1.518	2.462	9.0	21.6
3 12	11 57.78	− 4 53.8	1.472	2.455	4.4	21.3
3 22	11 47.71	− 3 46.1	1.453	2.447	2.2	21.1
4 1	11 37.93	− 2 33.9	1.462	2.438	6.5	21.4
4 11	11 29.64	− 1 26.0	1.498	2.429	11.2	21.6
4 21	11 23.67	− 0 29.5	1.557	2.419	15.3	21.8

106188 2000 UZ_{10} 3 18.1 86°.42 5°.5/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.20	−16 57.8	1.978	2.714	16.3	20.1
2 21	12 11.70	−17 14.6	1.903	2.731	13.6	20.0
3 2	12 5.06	−17 8.7	1.847	2.749	10.5	19.8
3 12	11 56.96	−16 39.9	1.816	2.766	7.4	19.6
3 22	11 48.29	−15 50.9	1.811	2.783	5.6	19.6
4 1	11 40.06	−14 47.1	1.833	2.799	6.5	19.6
4 11	11 33.18	−13 36.2	1.883	2.816	9.1	19.8
4 21	11 28.27	−12 25.9	1.957	2.832	12.0	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
359015 2008 UM_{274}			3 18.1 103°.97		2°.0/16.6 18	
	h m	° ′			°	m
2 11	12 20.00	+ 3 13.4	1.497	2.325	16.5	21.5
2 21	12 15.03	+ 3 50.9	1.432	2.337	12.5	21.3
3 2	12 7.37	+ 4 40.3	1.390	2.349	7.8	21.0
3 12	11 57.88	+ 5 34.8	1.372	2.361	3.2	20.8
3 22	11 47.73	+ 6 26.3	1.382	2.373	3.5	20.8
4 1	11 38.23	+ 7 7.3	1.419	2.384	8.1	21.1
4 11	11 30.52	+ 7 32.4	1.481	2.395	12.5	21.4
4 21	11 25.32	+ 7 39.4	1.564	2.406	16.3	21.7
315187 2007 OS_1			3 18.1 194°.35		4°.2/22.4 16	
2 11	12 19.63	−13 50.6	2.280	3.016	14.4	22.6
2 21	12 14.19	−13 59.8	2.178	3.013	11.9	22.4
3 2	12 6.67	−13 50.5	2.098	3.009	8.9	22.2
3 12	11 57.62	−13 22.6	2.045	3.005	5.9	22.0
3 22	11 47.84	−12 38.3	2.020	2.999	4.2	21.9
4 1	11 38.29	−11 42.0	2.024	2.993	5.7	22.0
4 11	11 29.87	−10 40.3	2.057	2.985	8.7	22.1
4 21	11 23.26	− 9 39.5	2.116	2.977	11.9	22.3
393260 2013 UU_{14}			3 18.1 171°.01		2°.0/20.3 17	R
2 11	12 16.80	− 7 3.1	2.449	3.219	12.6	21.7
2 21	12 11.77	− 7 0.7	2.357	3.222	10.0	21.5
3 2	12 4.96	− 6 44.9	2.289	3.225	6.9	21.4
3 12	11 56.91	− 6 17.5	2.249	3.228	3.6	21.1
3 22	11 48.32	− 5 41.5	2.238	3.230	2.1	21.0
4 1	11 40.01	− 5 1.2	2.257	3.231	4.7	21.2
4 11	11 32.72	− 4 21.6	2.304	3.232	8.0	21.4
4 21	11 27.03	− 3 46.9	2.378	3.232	11.0	21.6
330946 2009 SC_{278}			3 18.1 166°.04		0°.7/17.4 17	
2 11	12 14.98	− 0 14.3	2.131	2.939	13.0	22.3
2 21	12 10.59	+ 0 30.6	2.049	2.942	9.9	22.1
3 2	12 4.29	+ 1 27.8	1.990	2.945	6.3	21.9
3 12	11 56.67	+ 2 32.6	1.959	2.948	2.3	21.7
3 22	11 48.49	+ 3 39.0	1.958	2.950	2.0	21.6
4 1	11 40.65	+ 4 40.6	1.985	2.952	6.0	21.9
4 11	11 33.96	+ 5 31.9	2.040	2.954	9.6	22.1
4 21	11 29.01	+ 6 9.3	2.119	2.955	12.8	22.3
98399 2000 UP_4			3 18.1 167°.44		2°.1/16.1 18	
2 11	12 18.50	+ 3 41.3	1.946	2.762	13.7	20.4
2 21	12 13.42	+ 4 31.8	1.868	2.767	10.4	20.2
3 2	12 6.17	+ 5 32.5	1.814	2.772	6.5	20.0
3 12	11 57.41	+ 6 37.3	1.787	2.775	2.8	19.8
3 22	11 48.03	+ 7 39.4	1.790	2.778	3.3	19.8
4 1	11 39.06	+ 8 31.8	1.822	2.780	7.2	20.1
4 11	11 31.45	+ 9 9.7	1.880	2.782	11.0	20.3
4 21	11 25.82	+ 9 30.6	1.961	2.783	14.2	20.5
250239 2002 XX_{79}			3 18.1 125°.04		5°.6/11.9 18	
2 11	12 19.88	+16 26.9	2.229	3.054	11.9	20.7
2 21	12 14.07	+17 39.8	2.177	3.075	9.2	20.5
3 2	12 6.35	+18 50.9	2.150	3.094	6.7	20.4
3 12	11 57.40	+19 52.7	2.152	3.113	5.6	20.4
3 22	11 48.08	+20 39.2	2.183	3.130	6.8	20.5
4 1	11 39.29	+21 6.0	2.241	3.147	9.1	20.7
4 11	11 31.85	+21 12.1	2.325	3.164	11.6	20.8
4 21	11 26.25	+20 58.5	2.431	3.179	13.9	21.0
229136 2004 RM_{227}			3 18.2 94°.37		1°.3/19.5 17	
2 11	12 15.87	− 4 56.6	1.980	2.773	14.4	21.3
2 21	12 11.37	− 4 44.6	1.903	2.784	11.2	21.1
3 2	12 4.82	− 4 17.6	1.849	2.795	7.5	20.9
3 12	11 56.87	− 3 38.6	1.822	2.806	3.5	20.7
3 22	11 48.38	− 2 52.2	1.822	2.817	1.7	20.6
4 1	11 40.30	− 2 4.2	1.852	2.827	5.5	20.8
4 11	11 33.50	− 1 20.6	1.908	2.837	9.3	21.1
4 21	11 28.59	− 0 45.8	1.989	2.848	12.6	21.3
371084 2005 UA_{391}			3 18.2 353°.31		0°.5/18.6 16	
2 11	12 11.41	− 3 45.0	1.511	2.334	16.7	21.3
2 21	12 8.67	− 3 9.8	1.431	2.331	12.9	21.1
3 2	12 3.44	− 2 14.3	1.373	2.328	8.4	20.8
3 12	11 56.43	− 1 3.4	1.338	2.326	3.5	20.5
3 22	11 48.63	+ 0 15.4	1.330	2.325	1.9	20.4
4 1	11 41.23	+ 1 32.6	1.348	2.324	7.0	20.7
4 11	11 35.32	+ 2 39.2	1.391	2.323	11.7	21.0
4 21	11 31.67	+ 3 29.0	1.455	2.324	15.8	21.2
207740 2007 RZ_{236}			3 18.2 181°.28		0°.1/18.1 18	
2 11	12 17.42	− 2 27.2	1.864	2.667	14.8	21.7
2 21	12 12.77	− 1 48.5	1.778	2.668	11.4	21.5
3 2	12 5.85	− 0 53.8	1.716	2.669	7.3	21.2
3 12	11 57.32	+ 0 12.2	1.681	2.669	2.9	21.0
3 22	11 48.09	+ 1 23.1	1.674	2.668	1.8	20.9
4 1	11 39.22	+ 2 31.2	1.696	2.667	6.4	21.2
4 11	11 31.71	+ 3 29.7	1.745	2.665	10.6	21.4
4 21	11 26.24	+ 4 13.7	1.817	2.663	14.2	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
55125 2001 QD_{173}			3 18.2 327°.49		7°.6/23.3 18	
	h m	° ′			°	m
2 11	12 17.19	−15 22.8	1.533	2.297	19.2	18.5
2 21	12 13.42	−16 32.1	1.441	2.286	16.2	18.3
3 2	12 6.76	−17 19.5	1.367	2.276	12.8	18.0
3 12	11 57.83	−17 41.4	1.315	2.267	9.5	17.8
3 22	11 47.69	−17 37.0	1.288	2.258	7.7	17.7
4 1	11 37.74	−17 9.2	1.285	2.249	8.8	17.7
4 11	11 29.36	−16 25.7	1.306	2.242	12.1	17.9
4 21	11 23.58	−15 35.8	1.349	2.235	15.7	18.1
361576 2007 RQ_{148}			3 18.2 117°.28		3°.1/15.4 18	
2 11	12 19.74	+ 6 21.6	1.714	2.541	14.8	21.1
2 21	12 14.51	+ 7 12.5	1.651	2.556	11.1	20.9
3 2	12 6.89	+ 8 11.4	1.611	2.570	7.0	20.7
3 12	11 57.68	+ 9 10.9	1.598	2.583	3.5	20.5
3 22	11 47.92	+10 3.4	1.612	2.596	4.4	20.6
4 1	11 38.76	+10 42.4	1.655	2.609	8.2	20.8
4 11	11 31.20	+11 3.7	1.723	2.621	12.0	21.1
4 21	11 25.87	+11 6.4	1.813	2.633	15.3	21.3
299034 2005 AN_{41}			3 18.2 102°.49		0°.1/18.2 18	
2 11	12 18.45	− 2 24.0	1.656	2.465	16.1	21.7
2 21	12 13.59	− 1 49.4	1.591	2.483	12.3	21.5
3 2	12 6.34	− 0 58.6	1.547	2.501	7.9	21.3
3 12	11 57.48	+ 0 3.2	1.530	2.518	3.1	21.0
3 22	11 48.05	+ 1 8.8	1.540	2.535	1.9	21.0
4 1	11 39.22	+ 2 10.5	1.579	2.551	6.6	21.3
4 11	11 31.99	+ 3 1.4	1.643	2.567	10.9	21.6
4 21	11 27.01	+ 3 37.3	1.731	2.582	14.5	21.9
82665 2001 PG_{19}			3 18.2 119°.15		4°.3/12.8 18	
2 11	12 14.45	+12 57.2	2.436	3.266	10.9	20.0
2 21	12 9.91	+14 1.6	2.374	3.277	8.2	19.8
3 2	12 3.70	+15 7.3	2.337	3.289	5.7	19.7
3 12	11 56.41	+16 8.0	2.329	3.300	4.3	19.6
3 22	11 48.72	+16 58.1	2.349	3.311	5.4	19.7
4 1	11 41.42	+17 33.3	2.398	3.322	7.8	19.9
4 11	11 35.19	+17 51.2	2.473	3.332	10.3	20.0
4 21	11 30.51	+17 51.8	2.570	3.342	12.6	20.2
333137 2011 YO_2			3 18.2 26°.93		0°.3/18.4 16	
2 11	12 16.16	− 1 33.1	1.295	2.127	18.4	21.0
2 21	12 12.56	− 1 24.0	1.229	2.133	14.2	20.8
3 2	12 6.04	− 0 57.1	1.182	2.140	9.2	20.5
3 12	11 57.46	− 0 17.3	1.159	2.147	3.7	20.2
3 22	11 48.05	+ 0 28.3	1.160	2.155	2.1	20.1
4 1	11 39.27	+ 1 11.3	1.187	2.164	7.6	20.5
4 11	11 32.37	+ 1 44.2	1.238	2.173	12.6	20.8
4 21	11 28.16	+ 2 2.1	1.309	2.183	16.9	21.1
317046 2001 RA_{138}			3 18.2 132°.05		1°.4/16.3 17	
2 11	12 11.98	+ 1 48.2	2.549	3.359	11.0	21.3
2 21	12 7.99	+ 2 50.1	2.472	3.369	8.3	21.1
3 2	12 2.48	+ 4 1.4	2.421	3.378	5.1	20.9
3 12	11 55.94	+ 5 17.1	2.399	3.387	2.0	20.7
3 22	11 49.01	+ 6 31.7	2.407	3.396	2.4	20.7
4 1	11 42.37	+ 7 39.4	2.445	3.404	5.6	20.9
4 11	11 36.67	+ 8 35.9	2.511	3.412	8.6	21.2
4 21	11 32.37	+ 9 18.3	2.601	3.420	11.2	21.3
85316 1995 BA_4			3 18.2 225°.02		0°.3/18.4 18	
2 11	12 17.13	− 1 57.7	2.150	2.947	13.3	20.2
2 21	12 12.35	− 1 38.7	2.052	2.938	10.3	20.0
3 2	12 5.53	− 1 7.2	1.977	2.928	6.7	19.7
3 12	11 57.21	− 0 26.3	1.930	2.918	2.7	19.4
3 22	11 48.19	+ 0 19.5	1.912	2.907	1.5	19.3
4 1	11 39.40	+ 1 4.6	1.924	2.896	5.7	19.6
4 11	11 31.72	+ 1 43.6	1.963	2.884	9.5	19.8
4 21	11 25.85	+ 2 12.4	2.027	2.872	12.9	20.0
296366 2009 FD_{30}			3 18.2 157°.86		1°.9/15.7 17	
2 11	12 11.71	+ 3 54.8	2.484	3.302	11.1	21.2
2 21	12 7.88	+ 4 52.8	2.403	3.304	8.3	21.0
3 2	12 2.46	+ 5 59.1	2.348	3.307	5.2	20.8
3 12	11 55.95	+ 7 8.5	2.321	3.309	2.3	20.6
3 22	11 49.01	+ 8 15.5	2.324	3.311	2.9	20.6
4 1	11 42.34	+ 9 14.6	2.357	3.313	6.0	20.8
4 11	11 36.61	+10 1.4	2.417	3.314	9.0	21.0
4 21	11 32.32	+10 33.7	2.501	3.316	11.7	21.2
150433 2000 GY_{75}			3 18.2 334°.05		3°.2/15.9 17	
2 11	12 15.08	+ 6 26.8	1.322	2.173	17.0	19.2
2 21	12 11.94	+ 6 50.9	1.241	2.158	13.0	18.9
3 2	12 5.83	+ 7 24.8	1.180	2.144	8.3	18.6
3 12	11 57.46	+ 8 1.2	1.143	2.130	3.9	18.3
3 22	11 48.02	+ 8 31.9	1.130	2.118	4.8	18.3
4 1	11 38.96	+ 8 49.2	1.142	2.107	9.6	18.5
4 11	11 31.69	+ 8 47.7	1.177	2.097	14.5	18.8
4 21	11 27.12	+ 8 25.7	1.231	2.088	18.8	19.0

309791 2009 AZ_{33} 3 18.2 43°.67 1°.4/17.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.59	+ 1 40.2	1.250	2.090	18.4	21.2
2 21	12 13.63	+ 2 5.3	1.191	2.102	14.0	21.0
3 2	12 6.68	+ 2 45.3	1.153	2.114	8.8	20.7
3 12	11 57.68	+ 3 33.4	1.138	2.127	3.3	20.4
3 22	11 47.96	+ 4 21.1	1.148	2.141	3.1	20.5
4 1	11 39.00	+ 4 59.9	1.184	2.155	8.4	20.8
4 11	11 32.05	+ 5 23.3	1.243	2.170	13.3	21.1
4 21	11 27.85	+ 5 28.6	1.321	2.184	17.4	21.4

365490 2010 PX_{78} 3 18.2 223°.99 0°.4/18.5 16

2 11	12 18.12	− 2 36.8	1.966	2.764	14.3	21.9
2 21	12 13.32	− 2 14.5	1.868	2.754	11.1	21.6
3 2	12 6.26	− 1 37.7	1.794	2.744	7.3	21.4
3 12	11 57.54	− 0 49.6	1.746	2.733	3.0	21.1
3 22	11 48.00	+ 0 4.6	1.727	2.721	1.6	21.0
4 1	11 38.70	+ 0 58.4	1.737	2.709	6.1	21.2
4 11	11 30.65	+ 1 45.4	1.774	2.696	10.3	21.5
4 21	11 24.57	+ 2 20.9	1.835	2.682	14.0	21.7

511923 2015 HM_{134} 3 18.2 258°.38 0°.5/17.6 17

2 11	12 12.44	+ 0 2.6	2.533	3.338	11.3	22.0
2 21	12 8.50	+ 0 35.3	2.433	3.325	8.6	21.8
3 2	12 2.92	+ 1 18.3	2.358	3.313	5.5	21.6
3 12	11 56.17	+ 2 7.9	2.311	3.300	2.1	21.4
3 22	11 48.88	+ 2 59.8	2.294	3.287	1.7	21.3
4 1	11 41.77	+ 3 48.9	2.306	3.274	5.2	21.5
4 11	11 35.54	+ 4 30.7	2.346	3.261	8.5	21.7
4 21	11 30.74	+ 5 1.8	2.411	3.248	11.4	21.9

156539 2002 CK_{309} 3 18.2 115°.64 1°.2/19.4 18

2 11	12 13.82	− 5 30.1	1.929	2.726	14.6	20.3
2 21	12 9.95	− 5 1.9	1.845	2.729	11.4	20.1
3 2	12 4.01	− 4 16.7	1.784	2.732	7.6	19.9
3 12	11 56.62	− 3 17.7	1.750	2.735	3.5	19.6
3 22	11 48.61	− 2 10.7	1.743	2.737	1.7	19.5
4 1	11 40.96	− 1 2.5	1.765	2.740	5.7	19.8
4 11	11 34.54	− 0 0.3	1.813	2.743	9.6	20.0
4 21	11 30.01	+ 0 50.7	1.885	2.745	13.1	20.2

134707 1999 XD_{212} 3 18.2 136°.69 2°.4/20.3 18

2 11	12 20.80	− 7 3.2	2.020	2.794	14.8	20.6
2 21	12 15.11	− 7 11.6	1.939	2.806	11.7	20.4
3 2	12 7.23	− 7 4.6	1.882	2.818	8.1	20.2
3 12	11 57.85	− 6 43.9	1.851	2.829	4.3	20.0
3 22	11 47.86	− 6 12.8	1.848	2.840	2.5	19.9
4 1	11 38.29	− 5 36.4	1.875	2.849	5.5	20.1
4 11	11 30.08	− 5 0.3	1.930	2.859	9.2	20.3
4 21	11 23.88	− 4 29.5	2.010	2.867	12.5	20.5

293 Brasilia 3 18.2 16°.84 9°.0/ 9.8 18

2 11	12 18.40	+23 21.8	1.725	2.564	14.2	14.0
2 21	12 13.67	+24 32.4	1.671	2.567	11.6	13.8
3 2	12 6.44	+25 34.9	1.640	2.570	9.6	13.7
3 12	11 57.54	+26 19.7	1.634	2.574	9.0	13.7
3 22	11 48.09	+26 39.3	1.653	2.578	10.3	13.7
4 1	11 39.28	+26 30.1	1.696	2.582	12.7	13.9
4 11	11 32.18	+25 52.7	1.761	2.587	15.3	14.1
4 21	11 27.40	+24 50.8	1.845	2.592	17.7	14.3

79465 1997 YH_{17} 3 18.2 71°.92 3°.6/13.9 18

2 11	12 13.09	+ 9 10.6	2.155	2.988	12.0	19.6
2 21	12 9.13	+10 12.9	2.086	2.994	9.0	19.4
3 2	12 3.34	+11 20.1	2.042	3.000	5.9	19.2
3 12	11 56.32	+12 25.7	2.025	3.006	3.7	19.1
3 22	11 48.83	+13 23.1	2.037	3.012	4.8	19.1
4 1	11 41.72	+14 6.8	2.078	3.018	7.7	19.3
4 11	11 35.74	+14 33.5	2.143	3.024	10.8	19.5
4 21	11 31.45	+14 42.1	2.231	3.031	13.4	19.7

169420 2001 XR_{243} 3 18.2 69°.07 0°.7/18.7 18

2 11	12 17.42	− 3 33.1	1.390	2.209	18.1	19.7
2 21	12 13.28	− 3 10.6	1.325	2.222	14.0	19.4
3 2	12 6.37	− 2 28.4	1.282	2.236	9.1	19.2
3 12	11 57.57	− 1 31.6	1.262	2.250	3.8	18.9
3 22	11 48.07	− 0 27.8	1.269	2.263	1.9	18.8
4 1	11 39.22	+ 0 34.0	1.301	2.277	7.2	19.2
4 11	11 32.20	+ 1 25.5	1.359	2.291	12.0	19.5
4 21	11 27.74	+ 2 1.4	1.438	2.305	16.0	19.8

432944 2012 DA_{44} 3 18.2 39°.28 15°.2/13.7 17

2 11	12 45.30	+31 4.3	0.984	1.811	23.3	19.7
2 21	12 35.98	+31 37.6	0.935	1.815	19.9	19.4
3 2	12 21.42	+31 44.5	0.903	1.820	16.9	19.3
3 12	12 3.39	+31 7.1	0.891	1.825	15.3	19.2
3 22	11 44.63	+29 35.9	0.902	1.831	16.1	19.3
4 1	11 28.03	+27 14.4	0.935	1.837	18.9	19.4
4 11	11 15.60	+24 16.3	0.988	1.843	22.3	19.7
4 21	11 8.04	+20 58.4	1.059	1.850	25.6	19.9

142625 2002 TO_{165} 3 18.2 102°.06 4°.5/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.61	+ 9 51.6	1.847	2.680	13.7	19.6
2 21	12 12.70	+11 10.8	1.793	2.701	10.2	19.4
3 2	12 5.65	+12 34.6	1.764	2.721	6.8	19.2
3 12	11 57.21	+13 54.2	1.762	2.740	4.6	19.1
3 22	11 48.32	+15 1.8	1.789	2.760	5.8	19.2
4 1	11 40.03	+15 51.0	1.843	2.778	8.9	19.4
4 11	11 33.20	+16 18.8	1.922	2.796	12.1	19.7
4 21	11 28.41	+16 25.1	2.023	2.814	14.9	19.9

54098 2000 HW_3 3 18.2 134°.09 2°.8/21.5 18

2 11	12 15.30	−11 43.9	2.196	2.954	14.2	19.8
2 21	12 10.79	−11 14.3	2.113	2.967	11.4	19.6
3 2	12 4.40	−10 25.0	2.053	2.980	8.1	19.4
3 12	11 56.74	− 9 18.4	2.020	2.993	4.7	19.2
3 22	11 48.59	− 7 59.2	2.015	3.004	2.8	19.1
4 1	11 40.80	− 6 34.0	2.040	3.016	5.0	19.3
4 11	11 34.19	− 5 10.2	2.094	3.026	8.4	19.5
4 21	11 29.30	− 3 54.2	2.173	3.036	11.5	19.7

165248 2000 SD_{152} 3 18.2 164°.77 0°.1/18.0 18

2 11	12 18.09	− 2 0.2	2.034	2.832	13.9	21.5
2 21	12 13.06	− 1 20.4	1.951	2.839	10.6	21.3
3 2	12 5.93	− 0 26.5	1.892	2.844	6.8	21.1
3 12	11 57.36	+ 0 37.1	1.861	2.849	2.6	20.8
3 22	11 48.20	+ 1 44.3	1.859	2.853	1.7	20.7
4 1	11 39.40	+ 2 48.3	1.887	2.856	6.0	21.0
4 11	11 31.88	+ 3 43.1	1.942	2.859	9.9	21.3
4 21	11 26.26	+ 4 24.4	2.021	2.860	13.2	21.5

230087 2000 WT_{132} 3 18.2 130°.35 3°.0/21.6 15

2 11	12 17.57	−11 1.4	2.517	3.265	12.9	22.1
2 21	12 12.25	−11 1.1	2.436	3.283	10.4	22.0
3 2	12 5.22	−10 45.5	2.377	3.299	7.5	21.8
3 12	11 57.04	−10 15.8	2.346	3.315	4.5	21.6
3 22	11 48.42	− 9 34.8	2.345	3.331	3.0	21.6
4 1	11 40.15	− 8 47.1	2.373	3.345	4.7	21.7
4 11	11 32.94	− 7 57.6	2.430	3.359	7.6	21.9
4 21	11 27.31	− 7 11.4	2.514	3.372	10.3	22.1

62606 2000 SK_{325} 3 18.2 82°.61 1°.5/19.7 18 R

2 11	12 16.79	− 4 39.4	2.373	3.155	12.6	19.7
2 21	12 11.73	− 4 47.5	2.294	3.168	9.8	19.5
3 2	12 4.92	− 4 44.1	2.240	3.182	6.6	19.4
3 12	11 56.93	− 4 31.1	2.213	3.195	3.2	19.2
3 22	11 48.49	− 4 11.5	2.216	3.209	1.7	19.1
4 1	11 40.41	− 3 49.1	2.248	3.222	4.7	19.3
4 11	11 33.42	− 3 28.1	2.308	3.235	8.0	19.5
4 21	11 28.05	− 3 11.8	2.394	3.249	10.9	19.7

196669 2003 SK_{51} 3 18.2 121°.34 0°.1/18.2 18

2 11	12 11.80	− 4 24.6	2.151	2.949	13.2	20.1
2 21	12 8.19	− 3 17.4	2.069	2.956	10.1	19.9
3 2	12 2.77	− 1 53.6	2.011	2.962	6.5	19.7
3 12	11 56.13	− 0 18.1	1.981	2.969	2.6	19.4
3 22	11 48.99	+ 1 22.0	1.981	2.975	1.5	19.4
4 1	11 42.17	+ 2 58.9	2.010	2.981	5.5	19.6
4 11	11 36.45	+ 4 25.5	2.068	2.987	9.2	19.9
4 21	11 32.36	+ 5 36.7	2.150	2.993	12.4	20.1

55443 2001 TY_{92} 3 18.2 63°.25 1°.6/19.8 18

2 11	12 14.06	− 5 41.3	2.172	2.961	13.4	19.7
2 21	12 9.87	− 5 34.1	2.093	2.970	10.5	19.5
3 2	12 3.83	− 5 12.8	2.036	2.980	7.1	19.3
3 12	11 56.54	− 4 39.9	2.007	2.989	3.5	19.1
3 22	11 48.75	− 3 59.3	2.005	2.999	1.8	19.0
4 1	11 41.31	− 3 16.1	2.033	3.008	5.0	19.3
4 11	11 34.99	− 2 35.6	2.088	3.018	8.5	19.5
4 21	11 30.37	− 2 2.2	2.167	3.028	11.6	19.7

501159 2013 TQ_{77} 3 18.2 77°.50 0°.4/18.6 17

2 11	12 16.14	− 2 20.6	1.973	2.776	14.1	21.7
2 21	12 11.52	− 2 2.4	1.904	2.793	10.8	21.5
3 2	12 4.90	− 1 31.2	1.859	2.810	7.0	21.3
3 12	11 56.94	− 0 50.7	1.840	2.827	2.8	21.1
3 22	11 48.52	− 0 6.1	1.849	2.844	1.5	21.0
4 1	11 40.56	+ 0 37.0	1.887	2.860	5.6	21.3
4 11	11 33.91	+ 1 13.3	1.952	2.877	9.3	21.6
4 21	11 29.13	+ 1 39.1	2.041	2.894	12.6	21.8

34627 2000 UW_{95} 3 18.2 192°.22 0°.4/18.7 18

2 11	12 13.75	− 2 14.6	2.854	3.642	10.6	19.6
2 21	12 9.26	− 1 58.8	2.760	3.641	8.1	19.4
3 2	12 3.29	− 1 33.7	2.691	3.639	5.3	19.2
3 12	11 56.31	− 1 1.7	2.650	3.637	2.2	19.0
3 22	11 48.89	− 0 26.1	2.640	3.634	1.2	18.9
4 1	11 41.68	+ 0 9.3	2.660	3.632	4.3	19.1
4 11	11 35.30	+ 0 40.8	2.709	3.629	7.3	19.3
4 21	11 30.22	+ 1 5.3	2.783	3.625	9.9	19.5

391023 2005 SX_{253} 3 18.2 249°.43 0°.3/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.65	− 1 26.5	2.734	3.532	10.7	21.7
2 21	12 7.83	− 0 40.8	2.628	3.516	8.2	21.5
3 2	12 2.47	+ 0 16.3	2.547	3.499	5.3	21.3
3 12	11 56.02	+ 1 21.4	2.494	3.482	2.0	21.0
3 22	11 49.05	+ 2 29.8	2.472	3.465	1.5	21.0
4 1	11 42.22	+ 3 36.3	2.480	3.448	4.9	21.2
4 11	11 36.18	+ 4 35.8	2.517	3.430	8.0	21.3
4 21	11 31.44	+ 5 24.8	2.578	3.412	10.9	21.5

186900 2004 LR_1 3 18.2 232°.35 3°.6/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.81	+10 37.1	2.425	3.243	11.3	21.1
2 21	12 13.44	+11 24.1	2.328	3.227	8.6	20.9
3 2	12 6.15	+12 14.9	2.258	3.211	5.7	20.7
3 12	11 57.48	+13 3.8	2.216	3.194	3.7	20.5
3 22	11 48.15	+13 45.2	2.203	3.176	4.7	20.5
4 1	11 39.02	+14 14.2	2.221	3.158	7.5	20.7
4 11	11 30.94	+14 27.7	2.265	3.139	10.6	20.8
4 21	11 24.52	+14 24.6	2.333	3.119	13.3	21.0

8670 1991 OM_1 3 18.2 290°.98 1°.1/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.80	− 3 45.0	1.566	2.379	16.7	17.4
2 21	12 12.27	− 3 33.8	1.463	2.356	13.1	17.2
3 2	12 6.01	− 3 4.1	1.381	2.333	8.8	16.8
3 12	11 57.60	− 2 18.5	1.323	2.310	3.9	16.5
3 22	11 48.00	− 1 22.3	1.292	2.287	2.0	16.3
4 1	11 38.52	− 0 23.4	1.287	2.264	7.2	16.5
4 11	11 30.45	+ 0 29.7	1.307	2.240	12.3	16.8
4 21	11 24.78	+ 1 9.9	1.349	2.217	16.8	17.0

197074 2003 UU_{169} 3 18.2 174°.31 2°.4/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.18	+ 6 40.9	2.365	3.183	11.6	21.2
2 21	12 11.34	+ 7 18.5	2.284	3.185	8.7	21.0
3 2	12 4.72	+ 8 1.7	2.229	3.186	5.5	20.8
3 12	11 56.88	+ 8 45.7	2.202	3.187	2.7	20.6
3 22	11 48.55	+ 9 25.4	2.204	3.188	3.4	20.7
4 1	11 40.54	+ 9 56.0	2.236	3.189	6.5	20.9
4 11	11 33.61	+10 14.4	2.295	3.189	9.6	21.1
4 21	11 28.29	+10 18.9	2.377	3.188	12.4	21.2

177901 2005 RZ_{37} 3 18.2 240°.47 2°.5/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.54	−10 27.2	2.519	3.282	12.5	20.4
2 21	12 7.85	−10 10.9	2.420	3.277	10.0	20.2
3 2	12 2.52	− 9 38.5	2.344	3.273	7.2	20.1
3 12	11 56.04	− 8 51.6	2.295	3.268	4.2	19.9
3 22	11 49.05	− 7 53.6	2.274	3.263	2.5	19.7
4 1	11 42.27	− 6 49.4	2.283	3.259	4.6	19.9
4 11	11 36.39	− 5 44.6	2.321	3.254	7.6	20.0
4 21	11 31.95	− 4 44.6	2.383	3.249	10.5	20.2

204572 2005 EM_{323} 3 18.2 48°.29 0°.1/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.74	− 1 8.9	1.966	2.775	13.9	20.4
2 21	12 10.57	− 0 51.3	1.888	2.781	10.6	20.2
3 2	12 4.37	− 0 21.3	1.833	2.787	6.8	20.0
3 12	11 56.78	+ 0 17.2	1.805	2.793	2.7	19.7
3 22	11 48.63	+ 0 59.1	1.805	2.800	1.6	19.6
4 1	11 40.85	+ 1 38.9	1.834	2.806	5.8	19.9
4 11	11 34.33	+ 2 11.4	1.889	2.813	9.6	20.2
4 21	11 29.67	+ 2 32.8	1.967	2.820	13.0	20.4

507127 2009 US_{26} 3 18.2 203°.05 0°.2/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.70	− 2 51.1	2.617	3.403	11.5	22.9
2 21	12 10.90	− 2 16.3	2.517	3.397	8.8	22.7
3 2	12 4.44	− 1 29.6	2.442	3.390	5.7	22.4
3 12	11 56.79	− 0 34.2	2.396	3.383	2.3	22.2
3 22	11 48.61	+ 0 25.6	2.380	3.375	1.3	22.1
4 1	11 40.63	+ 1 24.6	2.395	3.366	4.8	22.3
4 11	11 33.55	+ 2 17.9	2.439	3.356	8.1	22.5
4 21	11 27.93	+ 3 1.7	2.509	3.345	11.0	22.7

82852 2001 QT_{53} 3 18.2 87°.44 2°.8/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.51	+ 6 3.3	2.208	3.035	11.9	19.3
2 21	12 8.63	+ 7 13.7	2.142	3.048	8.9	19.1
3 2	12 3.00	+ 8 31.4	2.101	3.061	5.6	18.9
3 12	11 56.22	+ 9 49.8	2.088	3.073	3.0	18.7
3 22	11 49.01	+11 2.4	2.105	3.086	4.0	18.8
4 1	11 42.18	+12 3.0	2.150	3.098	7.0	19.0
4 11	11 36.46	+12 47.5	2.222	3.110	10.1	19.2
4 21	11 32.35	+13 14.4	2.316	3.122	12.8	19.5

519460 2012 AP_{25} 3 18.2 323°.19 1°.2/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.99	− 1 6.5	1.577	2.388	16.6	21.0
2 21	12 16.06	− 1 36.0	1.488	2.380	13.0	20.7
3 2	12 8.31	− 1 54.2	1.420	2.372	8.6	20.4
3 12	11 58.45	− 2 2.8	1.378	2.364	3.8	20.1
3 22	11 47.57	− 2 5.0	1.363	2.357	2.0	20.0
4 1	11 37.02	− 2 5.1	1.375	2.350	6.9	20.3
4 11	11 28.10	− 2 8.0	1.412	2.344	11.7	20.5
4 21	11 21.69	− 2 17.6	1.472	2.338	15.8	20.7

222894 2002 GB_{138} 3 18.2 36°.67 3°.5/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.18	−10 46.1	1.686	2.471	16.8	19.7
2 21	12 9.76	−10 41.9	1.610	2.479	13.5	19.5
3 2	12 4.03	−10 15.3	1.554	2.488	9.7	19.3
3 12	11 56.70	− 9 28.1	1.522	2.497	5.7	19.1
3 22	11 48.70	− 8 25.2	1.517	2.506	3.5	18.9
4 1	11 41.13	− 7 13.9	1.538	2.515	6.1	19.1
4 11	11 35.00	− 6 2.7	1.585	2.525	10.0	19.4
4 21	11 30.97	− 4 59.3	1.656	2.535	13.6	19.6

266394 2007 ED_{155} 3 18.2 65°.64 1°.6/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.74	− 4 15.0	1.824	2.622	15.3	20.2
2 21	12 13.07	− 4 21.6	1.742	2.625	11.9	20.0
3 2	12 6.10	− 4 13.7	1.683	2.629	8.0	19.8
3 12	11 57.50	− 3 53.5	1.649	2.633	3.8	19.5
3 22	11 48.21	− 3 25.1	1.643	2.637	2.0	19.4
4 1	11 39.30	− 2 53.8	1.665	2.641	5.9	19.7
4 11	11 31.80	− 2 25.3	1.714	2.645	10.0	19.9
4 21	11 26.38	− 2 4.3	1.786	2.649	13.6	20.2

182564 2001 TL_{139} 3 18.2 174°.85 3°.0/15.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.12	+ 8 1.6	2.157	2.976	12.5	21.6
2 21	12 13.74	+ 8 40.9	2.078	2.978	9.4	21.4
3 2	12 6.33	+ 9 25.2	2.024	2.980	6.1	21.2
3 12	11 57.55	+10 9.0	1.998	2.982	3.3	21.0
3 22	11 48.21	+10 46.7	2.001	2.983	4.0	21.0
4 1	11 39.24	+11 13.1	2.034	2.983	7.3	21.2
4 11	11 31.52	+11 25.2	2.093	2.983	10.6	21.4
4 21	11 25.65	+11 21.8	2.175	2.982	13.5	21.6

67298 2000 GD_{91} 3 18.2 320°.04 5°.7/11.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.34	+15 22.1	2.059	2.898	12.2	19.0
2 21	12 10.28	+16 33.4	1.989	2.896	9.4	18.8
3 2	12 4.20	+17 45.3	1.944	2.893	6.9	18.7
3 12	11 56.73	+18 49.9	1.926	2.891	5.7	18.6
3 22	11 48.71	+19 40.3	1.936	2.889	7.0	18.7
4 1	11 41.07	+20 10.9	1.972	2.887	9.6	18.8
4 11	11 34.66	+20 19.6	2.032	2.885	12.5	19.0
4 21	11 30.08	+20 6.9	2.113	2.883	15.0	19.2

274396 2008 RF_{114} 3 18.2 214°.83 0°.1/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.18	− 0 40.4	2.164	2.967	13.0	21.5
2 21	12 11.59	− 0 21.0	2.073	2.963	10.0	21.3
3 2	12 5.03	+ 0 9.6	2.005	2.958	6.4	21.1
3 12	11 57.07	+ 0 48.0	1.966	2.954	2.5	20.8
3 22	11 48.49	+ 1 29.7	1.955	2.949	1.6	20.7
4 1	11 40.18	+ 2 9.3	1.973	2.944	5.6	21.0
4 11	11 33.00	+ 2 41.8	2.019	2.938	9.4	21.2
4 21	11 27.56	+ 3 3.9	2.088	2.932	12.7	21.4

143313 2003 AC_{47} 3 18.2 346°.84 3°.4/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.60	−10 38.5	2.226	2.990	13.9	19.5
2 21	12 10.39	−10 53.2	2.134	2.989	11.3	19.3
3 2	12 4.27	−10 51.8	2.063	2.989	8.2	19.1
3 12	11 56.78	−10 34.9	2.019	2.988	5.1	18.9
3 22	11 48.68	−10 5.0	2.002	2.987	3.4	18.8
4 1	11 40.82	− 9 26.2	2.013	2.987	5.3	18.9
4 11	11 34.05	− 8 44.0	2.053	2.986	8.4	19.1
4 21	11 28.96	− 8 3.9	2.116	2.986	11.5	19.3

6537 Adamovich 3 18.2 228°.52 2°.2/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.72	+ 2 48.4	1.715	2.536	15.1	17.9
2 21	12 14.13	+ 3 43.7	1.623	2.525	11.5	17.7
3 2	12 6.99	+ 4 53.1	1.555	2.513	7.3	17.4
3 12	11 57.93	+ 6 9.9	1.512	2.500	3.1	17.1
3 22	11 47.94	+ 7 25.9	1.498	2.487	3.7	17.1
4 1	11 38.22	+ 8 32.4	1.512	2.473	8.2	17.3
4 11	11 29.94	+ 9 22.1	1.552	2.458	12.6	17.6
4 21	11 23.91	+ 9 51.7	1.613	2.442	16.5	17.8

8073 Johnharmon 3 18.2 110°.20 6°.3/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.10	−18 24.2	2.036	2.756	16.4	17.5
2 21	12 13.96	−18 59.5	1.956	2.771	13.8	17.4
3 2	12 6.60	−19 12.6	1.897	2.786	10.9	17.2
3 12	11 57.69	−19 2.3	1.862	2.801	8.1	17.1
3 22	11 48.13	−18 30.0	1.852	2.816	6.4	17.0
4 1	11 38.97	−17 40.1	1.871	2.830	7.0	17.0
4 11	11 31.18	−16 39.7	1.917	2.843	9.4	17.2
4 21	11 25.41	−15 36.4	1.987	2.856	12.1	17.4

458834 2011 UU_{29} 3 18.2 87°.74 0°.9/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.11	− 4 56.0	1.587	2.391	16.9	22.1
2 21	12 13.42	− 4 20.4	1.526	2.414	13.0	21.9
3 2	12 6.29	− 3 25.6	1.486	2.436	8.5	21.7
3 12	11 57.54	− 2 16.7	1.472	2.458	3.6	21.4
3 22	11 48.27	− 1 1.2	1.485	2.480	1.8	21.3
4 1	11 39.64	+ 0 12.1	1.526	2.501	6.4	21.7
4 11	11 32.68	+ 1 15.5	1.593	2.522	10.8	22.0
4 21	11 28.01	+ 2 3.7	1.683	2.542	14.5	22.3

399671 2004 SW_3 3 18.2 230°.10 0°.1/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.01	− 3 9.2	1.776	2.581	15.3	21.7
2 21	12 12.75	− 2 28.8	1.680	2.570	11.9	21.4
3 2	12 6.06	− 1 30.1	1.607	2.559	7.8	21.1
3 12	11 57.56	− 0 17.6	1.559	2.547	3.1	20.8
3 22	11 48.18	+ 1 2.2	1.540	2.535	1.8	20.7
4 1	11 39.03	+ 2 20.6	1.549	2.521	6.7	21.0
4 11	11 31.23	+ 3 29.4	1.585	2.508	11.3	21.2
4 21	11 25.58	+ 4 22.7	1.644	2.493	15.2	21.4

232794 2004 RW_{100} 3 18.2 149°.96 1°.3/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.06	− 5 17.9	2.177	2.964	13.5	21.1
2 21	12 11.43	− 5 3.4	2.093	2.969	10.5	20.9
3 2	12 4.88	− 4 34.6	2.031	2.975	7.1	20.7
3 12	11 57.00	− 3 54.2	1.997	2.980	3.3	20.5
3 22	11 48.57	− 3 6.5	1.991	2.985	1.7	20.4
4 1	11 40.46	− 2 16.7	2.015	2.989	5.1	20.6
4 11	11 33.51	− 1 30.7	2.066	2.993	8.8	20.9
4 21	11 28.29	− 0 52.7	2.142	2.997	12.0	21.1

171298 2006 HV_3 3 18.2 203°.48 4°.4/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.37	+ 9 49.1	1.800	2.631	14.0	20.7
2 21	12 14.39	+10 47.6	1.722	2.628	10.7	20.5
3 2	12 6.99	+11 52.0	1.667	2.624	7.1	20.2
3 12	11 57.88	+12 54.5	1.640	2.620	4.5	20.1
3 22	11 48.02	+13 47.0	1.640	2.615	5.7	20.1
4 1	11 38.58	+14 22.8	1.668	2.610	9.2	20.3
4 11	11 30.60	+14 38.2	1.721	2.604	12.8	20.5
4 21	11 24.82	+14 32.6	1.795	2.598	16.1	20.7

345587 2006 SJ_{56} 3 18.2 142°.43 5°.6/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.48	+21 14.4	2.881	3.701	9.6	21.5
2 21	12 11.25	+22 12.0	2.822	3.711	7.7	21.3
3 2	12 4.51	+23 5.2	2.791	3.720	6.1	21.3
3 12	11 56.79	+23 48.5	2.787	3.730	5.6	21.2
3 22	11 48.73	+24 17.6	2.813	3.738	6.5	21.3
4 1	11 41.05	+24 29.7	2.866	3.747	8.3	21.4
4 11	11 34.35	+24 24.0	2.944	3.755	10.2	21.6
4 21	11 29.10	+24 1.7	3.044	3.762	11.9	21.7

430800 2004 VO_{71} 3 18.2 113°.48 5°.7/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.40	+16 2.9	2.019	2.852	12.7	20.8
2 21	12 13.29	+16 58.9	1.956	2.858	9.8	20.6
3 2	12 6.07	+17 53.7	1.917	2.865	7.1	20.4
3 12	11 57.44	+18 39.9	1.905	2.871	5.7	20.3
3 22	11 48.33	+19 11.0	1.921	2.877	6.9	20.4
4 1	11 39.71	+19 22.8	1.965	2.883	9.5	20.6
4 11	11 32.47	+19 13.8	2.032	2.889	12.3	20.8
4 21	11 27.21	+18 45.2	2.121	2.894	14.9	21.0

496833 1996 AM_6 3 18.2 70°.89 2°.8/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.93	+ 6 8.5	1.908	2.738	13.4	21.5
2 21	12 10.77	+ 6 58.2	1.838	2.744	10.1	21.3
3 2	12 4.52	+ 7 55.5	1.791	2.751	6.4	21.1
3 12	11 56.87	+ 8 54.2	1.772	2.758	3.2	20.9
3 22	11 48.67	+ 9 47.4	1.780	2.764	4.0	20.9
4 1	11 40.91	+10 28.9	1.816	2.771	7.6	21.2
4 11	11 34.45	+10 54.6	1.878	2.778	11.1	21.4
4 21	11 29.91	+11 2.9	1.963	2.785	14.2	21.6

211953 2004 XL_{149} 3 18.2 59°.72 0°.2/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.94	− 1 7.8	1.372	2.198	17.9	20.4
2 21	12 13.69	− 0 45.5	1.311	2.213	13.7	20.2
3 2	12 6.66	− 0 6.4	1.271	2.228	8.7	20.0
3 12	11 57.74	+ 0 44.0	1.255	2.244	3.4	19.7
3 22	11 48.15	+ 1 37.9	1.265	2.259	2.2	19.6
4 1	11 39.26	+ 2 27.1	1.301	2.275	7.5	20.0
4 11	11 32.23	+ 3 4.2	1.362	2.291	12.2	20.3
4 21	11 27.78	+ 3 25.4	1.444	2.307	16.2	20.6

209567 2004 XJ_{20} 3 18.2 89°.75 1°.4/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.34	− 5 16.1	1.575	2.376	17.1	21.0
2 21	12 14.40	− 4 55.8	1.512	2.398	13.3	20.8
3 2	12 6.94	− 4 16.5	1.471	2.419	8.8	20.6
3 12	11 57.81	− 3 22.4	1.455	2.440	4.0	20.3
3 22	11 48.12	− 2 20.2	1.466	2.461	1.9	20.2
4 1	11 39.08	− 1 17.9	1.505	2.481	6.4	20.6
4 11	11 31.75	− 0 23.2	1.570	2.501	10.8	20.8
4 21	11 26.78	+ 0 18.7	1.658	2.520	14.5	21.1

430968 2005 WD_{51} 3 18.2 208°.12 3°.3/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.80	−11 46.7	2.309	3.063	13.8	21.9
2 21	12 11.28	−11 43.9	2.208	3.058	11.2	21.7
3 2	12 4.84	−11 23.4	2.130	3.052	8.2	21.5
3 12	11 57.02	−10 46.1	2.077	3.045	5.1	21.3
3 22	11 48.54	− 9 55.0	2.053	3.039	3.3	21.2
4 1	11 40.27	− 8 54.7	2.058	3.031	5.2	21.3
4 11	11 33.05	− 7 51.8	2.091	3.023	8.4	21.5
4 21	11 27.50	− 6 52.1	2.150	3.015	11.5	21.7

33348 Stevelliott 3 18.2 31°.37 3°.0/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 18.03	+ 4 55.5	1.276	2.121	17.8	17.7
2 21	12 14.08	+ 5 32.6	1.211	2.125	13.5	17.4
3 2	12 7.10	+ 6 21.7	1.166	2.129	8.6	17.2
3 12	11 57.97	+ 7 14.7	1.145	2.134	3.8	16.9
3 22	11 47.99	+ 8 2.3	1.150	2.139	4.5	16.9
4 1	11 38.67	+ 8 36.1	1.179	2.144	9.4	17.2
4 11	11 31.33	+ 8 50.4	1.232	2.150	14.2	17.5
4 21	11 26.77	+ 8 43.8	1.304	2.156	18.3	17.8

350372 2012 UL_{153} 3 18.2 95°.31 3°.1/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.60	+ 9 25.6	2.440	3.265	11.0	21.4
2 21	12 10.02	+10 10.9	2.374	3.278	8.3	21.2
3 2	12 3.82	+10 59.5	2.334	3.291	5.4	21.1
3 12	11 56.54	+11 46.1	2.322	3.304	3.2	20.9
3 22	11 48.89	+12 25.6	2.340	3.316	4.1	21.0
4 1	11 41.62	+12 54.0	2.386	3.329	6.7	21.2
4 11	11 35.41	+13 8.6	2.459	3.341	9.5	21.4
4 21	11 30.73	+13 8.7	2.555	3.354	12.0	21.6

91429 Michelebianda 3 18.2 161°.06 2°.7/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.48	− 9 41.1	2.543	3.298	12.6	20.2
2 21	12 12.27	− 9 46.2	2.452	3.304	10.1	20.0
3 2	12 5.32	− 9 37.1	2.384	3.310	7.2	19.8
3 12	11 57.16	− 9 14.9	2.344	3.315	4.3	19.6
3 22	11 48.49	− 8 42.3	2.333	3.320	2.7	19.5
4 1	11 40.08	− 8 3.0	2.352	3.324	4.7	19.7
4 11	11 32.69	− 7 22.0	2.400	3.328	7.7	19.9
4 21	11 26.84	− 6 43.8	2.474	3.331	10.5	20.0

237738 2001 XN_{74} 3 18.2 222°.23 4°.5/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.18	+13 58.4	2.442	3.271	10.9	20.0
2 21	12 10.61	+14 51.0	2.364	3.267	8.3	19.8
3 2	12 4.28	+15 44.5	2.312	3.262	5.9	19.7
3 12	11 56.76	+16 33.0	2.287	3.258	4.5	19.6
3 22	11 48.74	+17 11.0	2.292	3.253	5.5	19.6
4 1	11 41.03	+17 34.3	2.324	3.248	8.0	19.8
4 11	11 34.36	+17 40.5	2.383	3.243	10.6	19.9
4 21	11 29.27	+17 29.6	2.464	3.238	13.0	20.1

436685 2011 SE_{157} 3 18.2 204°.36 0°.1/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.19	− 2 13.4	2.851	3.642	10.5	22.2
2 21	12 8.12	− 1 40.7	2.755	3.638	8.0	22.1
3 2	12 2.60	− 0 57.8	2.684	3.634	5.2	21.9
3 12	11 56.10	− 0 7.6	2.642	3.629	2.1	21.7
3 22	11 49.15	+ 0 46.0	2.629	3.624	1.2	21.6
4 1	11 42.40	+ 1 38.5	2.648	3.618	4.4	21.8
4 11	11 36.45	+ 2 25.7	2.695	3.613	7.4	22.0
4 21	11 31.76	+ 3 4.3	2.768	3.607	10.0	22.1

472699 2015 FC_{23} 3 18.2 229°.78 3°.6/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.32	+11 22.2	2.974	3.798	9.3	21.7
2 21	12 8.23	+12 37.1	2.883	3.785	7.0	21.5
3 2	12 2.69	+13 55.7	2.818	3.771	4.8	21.3
3 12	11 56.14	+15 12.6	2.784	3.757	3.6	21.2
3 22	11 49.12	+16 22.5	2.780	3.742	4.6	21.3
4 1	11 42.26	+17 20.6	2.805	3.727	6.8	21.4
4 11	11 36.16	+18 3.6	2.858	3.711	9.3	21.5
4 21	11 31.30	+18 30.2	2.934	3.695	11.4	21.7

10034 Birlan 3 18.2 37°.44 10°.4/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.27	−24 45.9	1.593	2.301	20.7	17.3
2 21	12 12.60	−25 57.9	1.519	2.311	18.2	17.2
3 2	12 6.15	−26 40.0	1.460	2.321	15.4	17.0
3 12	11 57.64	−26 47.6	1.422	2.331	12.6	16.9
3 22	11 48.19	−26 19.8	1.405	2.342	10.8	16.8
4 1	11 39.17	−25 20.6	1.412	2.353	10.6	16.8
4 11	11 31.85	−23 59.2	1.443	2.365	12.2	16.9
4 21	11 27.08	−22 27.3	1.496	2.377	14.7	17.1

406374 2007 RE_{284} 3 18.2 168°.22 1°.0/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.92	− 4 54.3	1.905	2.697	14.9	22.1
2 21	12 13.13	− 4 26.6	1.820	2.701	11.6	21.9
3 2	12 6.12	− 3 42.0	1.758	2.705	7.7	21.6
3 12	11 57.54	− 2 44.0	1.723	2.708	3.4	21.4
3 22	11 48.29	− 1 38.4	1.716	2.711	1.6	21.2
4 1	11 39.41	− 0 32.1	1.738	2.712	5.9	21.5
4 11	11 31.86	+ 0 27.7	1.788	2.713	10.0	21.8
4 21	11 26.34	+ 1 15.7	1.861	2.714	13.6	22.0

341718 2007 VM_{211} 3 18.2 217°.45 1°.2/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.08	+ 3 8.0	2.517	3.326	11.2	21.7
2 21	12 10.49	+ 3 36.2	2.425	3.320	8.5	21.5
3 2	12 4.21	+ 4 12.0	2.358	3.314	5.4	21.3
3 12	11 56.76	+ 4 51.6	2.319	3.307	2.1	21.1
3 22	11 48.78	+ 5 30.6	2.310	3.301	2.2	21.1
4 1	11 41.03	+ 6 4.5	2.331	3.294	5.5	21.3
4 11	11 34.24	+ 6 29.5	2.380	3.286	8.8	21.5
4 21	11 28.94	+ 6 43.3	2.453	3.279	11.6	21.6

413923 2006 WJ_{155} 3 18.2 304°.86 6°.0/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 18.30	+13 51.7	1.640	2.482	14.6	20.6
2 21	12 13.79	+14 51.5	1.569	2.478	11.3	20.3
3 2	12 6.71	+15 53.3	1.521	2.475	8.0	20.1
3 12	11 57.80	+16 47.9	1.499	2.471	6.0	20.0
3 22	11 48.15	+17 26.9	1.503	2.468	7.4	20.1
4 1	11 38.99	+17 44.2	1.533	2.465	10.7	20.3
4 11	11 31.46	+17 37.2	1.586	2.461	14.2	20.5
4 21	11 26.28	+17 7.2	1.660	2.458	17.4	20.7

123350 2000 WQ_{1} 3 18.2 123°.69 7°.0/10.6 18

2 11	12 19.81	+20 46.9	2.160	2.987	12.2	19.9
2 21	12 14.21	+21 58.8	2.108	3.001	9.7	19.7
3 2	12 6.58	+23 5.6	2.082	3.015	7.7	19.6
3 12	11 57.64	+23 59.3	2.083	3.028	7.0	19.6
3 22	11 48.29	+24 33.9	2.111	3.041	8.1	19.7
4 1	11 39.50	+24 45.9	2.166	3.053	10.3	19.9
4 11	11 32.10	+24 34.9	2.245	3.065	12.6	20.0
4 21	11 26.65	+24 3.0	2.345	3.076	14.7	20.2

408799 2000 SL_{55} 3 18.2 233°.36 0°.1/18.2 17

2 11	12 19.30	− 1 40.0	2.041	2.838	13.9	23.0
2 21	12 14.26	− 1 12.5	1.936	2.822	10.8	22.8
3 2	12 6.94	− 0 30.9	1.854	2.805	7.0	22.5
3 12	11 57.92	+ 0 21.2	1.800	2.788	2.8	22.2
3 22	11 48.03	+ 1 18.4	1.775	2.769	1.7	22.1
4 1	11 38.30	+ 2 14.3	1.779	2.749	6.2	22.3
4 11	11 29.73	+ 3 2.7	1.811	2.729	10.4	22.5
4 21	11 23.11	+ 3 38.8	1.867	2.708	14.1	22.7

511797 2015 FD_{38} 3 18.2 28°.99 4°.1/14.2 17

2 11	12 18.46	+12 46.7	2.186	3.013	12.1	20.9
2 21	12 13.22	+13 15.1	2.112	3.014	9.2	20.7
3 2	12 6.00	+13 44.2	2.062	3.015	6.2	20.5
3 12	11 57.45	+14 8.3	2.039	3.016	4.2	20.4
3 22	11 48.39	+14 22.5	2.046	3.017	5.1	20.5
4 1	11 39.75	+14 22.9	2.080	3.019	7.9	20.6
4 11	11 32.35	+14 7.9	2.141	3.020	10.9	20.8
4 21	11 26.77	+13 37.7	2.225	3.021	13.6	21.0

416143 2002 QY_{130} 3 18.2 169°.27 1°.0/17.1 15

2 11	12 18.21	+ 1 26.9	2.200	3.005	12.8	23.2
2 21	12 13.03	+ 2 3.9	2.117	3.010	9.7	23.0
3 2	12 5.90	+ 2 51.2	2.059	3.014	6.1	22.7
3 12	11 57.43	+ 3 44.0	2.029	3.017	2.3	22.5
3 22	11 48.40	+ 4 37.1	2.028	3.020	2.2	22.5
4 1	11 39.72	+ 5 24.7	2.058	3.022	6.0	22.7
4 11	11 32.21	+ 6 2.0	2.115	3.023	9.6	23.0
4 21	11 26.48	+ 6 26.3	2.196	3.024	12.7	23.2

290178 2005 RF_{44} 3 18.2 223°.84 2°.6/15.2 16

2 11	12 19.79	+10 24.7	2.888	3.695	9.9	21.6
2 21	12 13.82	+10 39.7	2.793	3.687	7.6	21.4
3 2	12 6.23	+10 56.2	2.725	3.677	5.0	21.2
3 12	11 57.53	+11 10.4	2.686	3.668	2.8	21.1
3 22	11 48.34	+11 18.8	2.679	3.657	3.4	21.1
4 1	11 39.40	+11 18.5	2.702	3.647	6.0	21.2
4 11	11 31.37	+11 7.7	2.755	3.636	8.6	21.4
4 21	11 24.78	+10 45.9	2.832	3.625	11.1	21.5

425253 2009 WS_{70} 3 18.2 134°.49 2°.8/15.2 18

2 11	12 16.89	+ 7 5.5	2.221	3.041	12.1	21.8
2 21	12 11.94	+ 7 54.8	2.151	3.052	9.1	21.6
3 2	12 5.14	+ 8 49.8	2.106	3.063	5.8	21.4
3 12	11 57.11	+ 9 44.9	2.089	3.074	3.0	21.2
3 22	11 48.62	+10 34.2	2.102	3.083	3.8	21.3
4 1	11 40.55	+11 12.5	2.143	3.093	6.9	21.5
4 11	11 33.65	+11 36.5	2.212	3.102	10.1	21.7
4 21	11 28.48	+11 44.8	2.304	3.110	12.9	21.9

29741 1999 BM_{10} 3 18.2 146°.66 1°.5/16.7 18

2 11	12 18.54	+ 1 12.2	1.801	2.616	14.7	19.0
2 21	12 13.63	+ 2 8.0	1.728	2.626	11.2	18.8
3 2	12 6.43	+ 3 17.0	1.678	2.635	7.0	18.5
3 12	11 57.67	+ 4 33.0	1.656	2.644	2.7	18.3
3 22	11 48.29	+ 5 48.1	1.662	2.652	2.9	18.3
4 1	11 39.38	+ 6 54.6	1.696	2.660	7.2	18.6
4 11	11 31.93	+ 7 46.2	1.758	2.667	11.2	18.8
4 21	11 26.59	+ 8 19.9	1.842	2.673	14.6	19.1

147954 1993 RW_{14} 3 18.2 148°.18 0°.4/18.6 18

2 11	12 15.94	− 3 24.9	2.076	2.873	13.7	21.0
2 21	12 11.41	− 2 49.3	1.995	2.880	10.6	20.8
3 2	12 4.91	− 1 59.0	1.938	2.888	6.9	20.6
3 12	11 57.06	− 0 58.2	1.907	2.894	2.8	20.3
3 22	11 48.65	+ 0 7.7	1.906	2.901	1.5	20.2
4 1	11 40.61	+ 1 12.0	1.934	2.906	5.6	20.5
4 11	11 33.77	+ 2 8.6	1.990	2.912	9.3	20.7
4 21	11 28.73	+ 2 53.1	2.069	2.917	12.6	21.0

127722 2003 EV_{43} 3 18.2 325°.10 1°.4/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.52	+ 2 38.8	2.134	2.954	12.5	19.5
2 21	12 8.86	+ 3 12.4	2.046	2.947	9.5	19.3
3 2	12 3.33	+ 3 55.7	1.982	2.940	6.0	19.1
3 12	11 56.46	+ 4 44.1	1.945	2.933	2.4	18.8
3 22	11 49.01	+ 5 32.2	1.936	2.927	2.5	18.8
4 1	11 41.82	+ 6 14.3	1.956	2.921	6.2	19.1
4 11	11 35.72	+ 6 45.7	2.002	2.915	9.8	19.3
4 21	11 31.28	+ 7 3.7	2.072	2.909	13.0	19.5

501472 2014 BE_{36} 3 18.2 110°.79 3°.4/13.8 17

2 11	12 12.46	+ 9 0.1	2.390	3.219	11.1	20.8
2 21	12 8.53	+10 7.2	2.320	3.226	8.3	20.6
3 2	12 2.95	+11 19.1	2.275	3.232	5.4	20.5
3 12	11 56.27	+12 29.6	2.259	3.239	3.5	20.4
3 22	11 49.16	+13 32.6	2.272	3.245	4.5	20.4
4 1	11 42.37	+14 23.0	2.313	3.252	7.2	20.6
4 11	11 36.59	+14 57.3	2.381	3.258	10.0	20.8
4 21	11 32.32	+15 14.4	2.472	3.264	12.5	21.0

225575 2000 UM_{68} 3 18.2 102°.88 5°.4/24.4 18

2 11	12 13.66	−18 16.6	2.004	2.736	16.2	20.1
2 21	12 9.90	−18 12.7	1.918	2.744	13.6	19.9
3 2	12 4.06	−17 43.9	1.853	2.752	10.6	19.7
3 12	11 56.76	−16 50.5	1.810	2.760	7.5	19.5
3 22	11 48.85	−15 35.6	1.795	2.768	5.5	19.4
4 1	11 41.30	−14 5.5	1.807	2.775	6.3	19.5
4 11	11 35.01	−12 29.1	1.847	2.783	9.0	19.7
4 21	11 30.60	−10 54.8	1.911	2.790	12.1	19.9

34596 2000 TB_{34} 3 18.2 269°.56 4°.7/13.9 18

2 11	12 19.02	+12 21.8	1.967	2.797	13.1	18.7
2 21	12 14.08	+13 5.0	1.876	2.780	10.0	18.4
3 2	12 6.83	+13 51.0	1.810	2.764	6.9	18.2
3 12	11 57.88	+14 33.0	1.771	2.747	4.8	18.0
3 22	11 48.15	+15 4.1	1.760	2.730	5.9	18.1
4 1	11 38.69	+15 18.8	1.776	2.713	9.1	18.2
4 11	11 30.54	+15 14.2	1.818	2.696	12.5	18.4
4 21	11 24.43	+14 50.3	1.881	2.679	15.7	18.6

266741 2009 SF_{43} 3 18.2 129°.50 1°.0/19.1 18

2 11	12 17.58	− 3 24.3	1.989	2.785	14.2	20.8
2 21	12 12.77	− 3 17.6	1.908	2.791	11.0	20.6
3 2	12 5.84	− 2 57.4	1.849	2.797	7.3	20.4
3 12	11 57.45	− 2 26.6	1.817	2.803	3.2	20.2
3 22	11 48.45	− 1 49.5	1.814	2.808	1.6	20.0
4 1	11 39.82	− 1 11.5	1.839	2.813	5.6	20.3
4 11	11 32.48	− 0 38.1	1.892	2.819	9.5	20.6
4 21	11 27.06	− 0 13.4	1.968	2.823	12.9	20.8

297820 2002 AY_{119} 3 18.2 55°.67 3°.0/15.8 18

2 11	12 16.63	+ 4 4.6	1.308	2.152	17.5	20.4
2 21	12 12.84	+ 5 3.0	1.251	2.165	13.2	20.1
3 2	12 6.20	+ 6 14.6	1.215	2.178	8.3	19.9
3 12	11 57.62	+ 7 30.4	1.203	2.191	3.7	19.7
3 22	11 48.37	+ 8 39.9	1.217	2.204	4.6	19.7
4 1	11 39.83	+ 9 33.9	1.256	2.218	9.3	20.0
4 11	11 33.20	+10 6.4	1.318	2.232	13.8	20.3
4 21	11 29.18	+10 15.8	1.401	2.246	17.6	20.6

491633 2012 TZ_{169} 3 18.2 157°.13 0°.2/17.9 17

2 11	12 17.01	+ 0 32.5	2.646	3.440	11.1	21.3
2 21	12 11.81	+ 0 41.8	2.560	3.446	8.5	21.1
3 2	12 4.98	+ 0 59.0	2.499	3.451	5.4	20.9
3 12	11 57.06	+ 1 21.1	2.467	3.455	2.1	20.7
3 22	11 48.70	+ 1 45.0	2.466	3.460	1.4	20.6
4 1	11 40.61	+ 2 6.8	2.495	3.463	4.8	20.9
4 11	11 33.49	+ 2 23.2	2.552	3.467	7.9	21.1
4 21	11 27.84	+ 2 31.9	2.635	3.470	10.6	21.3

508513 2016 QX_{55} 3 18.2 269°.73 4°.1/23.0 17

2 11	12 12.44	−14 33.7	2.420	3.162	13.5	21.5
2 21	12 8.74	−14 35.2	2.313	3.151	11.2	21.3
3 2	12 3.25	−14 18.3	2.228	3.139	8.5	21.1
3 12	11 56.46	−13 43.4	2.168	3.127	5.7	20.9
3 22	11 49.03	−12 52.6	2.136	3.115	4.1	20.8
4 1	11 41.77	−11 50.3	2.132	3.103	5.3	20.8
4 11	11 35.44	−10 42.5	2.156	3.091	8.0	21.0
4 21	11 30.64	− 9 35.6	2.206	3.079	11.0	21.1

265568 2005 QQ_{57} 3 18.2 133°.92 2°.5/20.9 18

2 11	12 19.96	− 8 38.3	2.404	3.162	13.2	22.1
2 21	12 14.17	− 8 43.9	2.323	3.179	10.5	21.9
3 2	12 6.55	− 8 35.2	2.265	3.194	7.4	21.7
3 12	11 57.68	− 8 13.7	2.235	3.209	4.2	21.6
3 22	11 48.34	− 7 42.2	2.234	3.224	2.6	21.5
4 1	11 39.36	− 7 5.0	2.264	3.237	4.8	21.6
4 11	11 31.52	− 6 27.0	2.323	3.250	7.9	21.9
4 21	11 25.38	− 5 52.7	2.408	3.262	10.8	22.1

205801 2002 CM_{161} 3 18.2 321°.98 3°.4/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 20.43	− 5 54.7	1.412	2.217	18.6	19.8
2 21	12 16.00	− 6 34.1	1.327	2.211	14.9	19.6
3 2	12 8.50	− 6 56.6	1.261	2.205	10.4	19.3
3 12	11 58.66	− 7 2.1	1.219	2.199	5.7	19.0
3 22	11 47.67	− 6 53.2	1.203	2.194	3.5	18.8
4 1	11 37.02	− 6 34.8	1.212	2.189	7.4	19.1
4 11	11 28.15	− 6 14.2	1.246	2.185	12.2	19.3
4 21	11 22.05	− 5 58.0	1.301	2.180	16.6	19.6

145845 1999 BS_{26} 3 18.2 59°.14 2°.9/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.72	+ 4 28.5	1.528	2.365	15.8	20.1
2 21	12 11.74	+ 5 29.1	1.471	2.382	11.8	19.8
3 2	12 5.30	+ 6 40.7	1.437	2.399	7.4	19.6
3 12	11 57.24	+ 7 55.0	1.428	2.416	3.4	19.4
3 22	11 48.64	+ 9 3.0	1.446	2.433	4.3	19.5
4 1	11 40.66	+ 9 56.8	1.491	2.450	8.4	19.8
4 11	11 34.34	+10 31.2	1.560	2.468	12.5	20.1
4 21	11 30.29	+10 44.7	1.651	2.485	15.9	20.3

107424 2001 DC_{12} 3 18.2 167°.47 2°.2/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.55	+ 4 49.8	2.215	3.035	12.1	20.1
2 21	12 10.27	+ 5 41.5	2.135	3.037	9.1	19.9
3 2	12 4.16	+ 6 41.5	2.081	3.039	5.8	19.7
3 12	11 56.78	+ 7 44.1	2.054	3.041	2.7	19.5
3 22	11 48.89	+ 8 43.3	2.057	3.042	3.3	19.5
4 1	11 41.31	+ 9 33.3	2.088	3.044	6.7	19.7
4 11	11 34.85	+10 9.8	2.146	3.044	10.0	19.9
4 21	11 30.04	+10 30.7	2.228	3.045	12.9	20.1

51318 2000 KT_{77} 3 18.2 119°.59 0°.9/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.25	+ 0 6.0	2.365	3.173	11.9	19.0
2 21	12 8.39	+ 1 2.6	2.287	3.182	8.9	18.8
3 2	12 2.89	+ 2 10.5	2.234	3.190	5.6	18.6
3 12	11 56.27	+ 3 24.6	2.209	3.198	2.1	18.4
3 22	11 49.22	+ 4 39.2	2.214	3.206	2.1	18.4
4 1	11 42.48	+ 5 48.3	2.249	3.214	5.6	18.6
4 11	11 36.74	+ 6 46.6	2.311	3.221	8.8	18.9
4 21	11 32.50	+ 7 31.0	2.398	3.228	11.7	19.1

384495 2010 CQ_{80} 3 18.2 225°.51 0°.2/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.46	− 1 47.4	2.175	2.977	13.0	21.3
2 21	12 10.30	− 1 25.6	2.086	2.975	10.0	21.1
3 2	12 4.24	− 0 51.5	2.021	2.973	6.5	20.9
3 12	11 56.84	− 0 8.7	1.983	2.970	2.6	20.6
3 22	11 48.86	+ 0 38.2	1.973	2.968	1.5	20.5
4 1	11 41.16	+ 1 23.8	1.993	2.965	5.4	20.8
4 11	11 34.55	+ 2 2.8	2.040	2.963	9.1	21.0
4 21	11 29.63	+ 2 31.6	2.111	2.960	12.4	21.2

154322 2002 VF_{45} 3 18.2 83°.64 0°.5/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.98	− 2 59.0	1.714	2.520	15.7	20.4
2 21	12 13.21	− 2 34.0	1.651	2.540	12.1	20.2
3 2	12 6.15	− 1 53.4	1.609	2.561	7.8	20.0
3 12	11 57.57	− 1 1.6	1.594	2.581	3.2	19.8
3 22	11 48.48	− 0 5.1	1.606	2.601	1.7	19.7
4 1	11 39.96	+ 0 49.1	1.646	2.620	6.2	20.1
4 11	11 32.98	+ 1 34.7	1.713	2.639	10.3	20.3
4 21	11 28.15	+ 2 7.3	1.803	2.658	13.8	20.6

23726 1998 HG_{48} 3 18.2 213°.51 3°.8/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.59	+ 7 41.0	1.843	2.667	14.1	19.3
2 21	12 15.40	+ 8 46.2	1.755	2.659	10.7	19.0
3 2	12 7.74	+10 0.1	1.692	2.649	7.0	18.8
3 12	11 58.28	+11 15.3	1.656	2.639	4.0	18.6
3 22	11 47.98	+12 23.2	1.649	2.628	5.2	18.6
4 1	11 37.99	+13 16.1	1.670	2.615	8.9	18.8
4 11	11 29.41	+13 49.1	1.717	2.602	12.8	19.0
4 21	11 23.00	+14 0.5	1.786	2.588	16.2	19.2

495504 2014 UV_{175} 3 18.2 220°.97 9°.5/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.28	−30 36.2	2.278	2.904	17.0	22.1
2 21	12 13.64	−31 7.7	2.166	2.893	15.4	21.9
3 2	12 6.66	−31 12.1	2.070	2.881	13.4	21.8
3 12	11 57.89	−30 45.6	1.995	2.868	11.4	21.6
3 22	11 48.21	−29 46.7	1.944	2.854	9.9	21.5
4 1	11 38.66	−28 17.8	1.919	2.839	9.6	21.4
4 11	11 30.33	−26 26.3	1.920	2.824	10.7	21.4
4 21	11 24.02	−24 21.8	1.946	2.807	12.7	21.5

244138 2001 VR_{124} 3 18.2 65°.35 0°.7/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.73	− 4 1.9	1.349	2.169	18.4	20.8
2 21	12 12.90	− 3 32.5	1.285	2.182	14.2	20.5
3 2	12 6.27	− 2 41.9	1.241	2.195	9.3	20.3
3 12	11 57.70	− 1 35.6	1.221	2.209	3.9	20.0
3 22	11 48.40	− 0 21.8	1.227	2.222	1.9	19.9
4 1	11 39.76	+ 0 49.5	1.259	2.236	7.3	20.3
4 11	11 32.96	+ 1 49.3	1.316	2.249	12.2	20.6
4 21	11 28.74	+ 2 32.0	1.394	2.263	16.3	20.9

122455 2000 QK_{141} 3 18.2 158°.22 1°.1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.30	+ 2 33.0	2.554	3.355	11.3	21.2
2 21	12 12.07	+ 3 6.8	2.473	3.364	8.5	21.0
3 2	12 5.18	+ 3 48.5	2.417	3.372	5.4	20.8
3 12	11 57.17	+ 4 33.9	2.391	3.379	2.1	20.6
3 22	11 48.72	+ 5 18.6	2.395	3.385	2.1	20.6
4 1	11 40.59	+ 5 58.0	2.429	3.391	5.4	20.8
4 11	11 33.47	+ 6 28.3	2.492	3.396	8.5	21.0
4 21	11 27.87	+ 6 47.3	2.579	3.400	11.2	21.2

417521 2006 SY_{393} 3 18.2 223°.03 2°.6/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.86	− 9 11.8	1.964	2.741	15.1	21.9
2 21	12 11.68	− 8 58.1	1.867	2.734	12.1	21.7
3 2	12 5.31	− 8 25.0	1.792	2.727	8.5	21.4
3 12	11 57.33	− 7 34.3	1.742	2.719	4.7	21.2
3 22	11 48.58	− 6 30.1	1.720	2.711	2.7	21.0
4 1	11 40.07	− 5 19.0	1.726	2.703	5.7	21.2
4 11	11 32.77	− 4 8.7	1.760	2.694	9.6	21.4
4 21	11 27.40	− 3 5.9	1.818	2.684	13.3	21.6

396226 2014 AL_{53} 3 18.2 41°.55 8°.8/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.23	+22 6.9	1.763	2.609	13.6	20.1
2 21	12 10.42	+23 52.1	1.726	2.626	11.0	20.0
3 2	12 4.37	+25 29.9	1.713	2.644	9.2	19.9
3 12	11 56.87	+26 49.8	1.726	2.662	8.9	19.9
3 22	11 48.94	+27 44.1	1.764	2.681	10.3	20.0
4 1	11 41.63	+28 8.8	1.825	2.700	12.5	20.2
4 11	11 35.87	+28 3.9	1.908	2.719	14.8	20.4
4 21	11 32.19	+27 32.9	2.009	2.739	16.9	20.6

205508 2001 RV_{111} 3 18.2 192°.11 0°.1/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.00	− 0 54.1	2.696	3.491	10.9	21.7
2 21	12 9.58	− 0 27.0	2.604	3.490	8.4	21.5
3 2	12 3.61	+ 0 9.8	2.537	3.488	5.4	21.3
3 12	11 56.57	+ 0 53.0	2.498	3.486	2.1	21.0
3 22	11 49.07	+ 1 38.8	2.489	3.483	1.4	21.0
4 1	11 41.80	+ 2 22.6	2.510	3.480	4.7	21.2
4 11	11 35.39	+ 3 0.5	2.560	3.476	7.8	21.4
4 21	11 30.36	+ 3 29.4	2.636	3.473	10.6	21.6

296084 2009 BA_{14} 3 18.2 227°.90 2°.8/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.57	−10 3.0	2.611	3.368	12.3	20.9
2 21	12 10.16	−10 7.3	2.508	3.361	9.9	20.7
3 2	12 4.08	− 9 57.5	2.428	3.353	7.1	20.5
3 12	11 56.79	− 9 34.4	2.375	3.345	4.3	20.3
3 22	11 48.93	− 9 0.6	2.350	3.337	2.8	20.2
4 1	11 41.24	− 8 19.6	2.355	3.329	4.6	20.3
4 11	11 34.44	− 7 36.4	2.389	3.320	7.6	20.4
4 21	11 29.08	− 6 55.5	2.449	3.311	10.4	20.6

11937 1993 FF_{16} 3 18.2 252°.57 2°.7/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.07	+ 6 20.1	2.030	2.855	12.9	19.1
2 21	12 11.69	+ 7 1.4	1.943	2.847	9.8	18.9
3 2	12 5.23	+ 7 50.2	1.880	2.839	6.2	18.6
3 12	11 57.27	+ 8 40.9	1.844	2.830	3.1	18.4
3 22	11 48.64	+ 9 27.2	1.837	2.822	3.8	18.4
4 1	11 40.30	+10 3.2	1.858	2.813	7.4	18.6
4 11	11 33.17	+10 24.8	1.905	2.804	11.0	18.8
4 21	11 27.89	+10 29.9	1.975	2.795	14.2	19.0

100856 1998 HX_{43} 3 18.2 339°.52 1°.9/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.23	+ 2 23.7	1.274	2.120	17.8	19.3
2 21	12 11.39	+ 2 54.1	1.197	2.111	13.6	19.0
3 2	12 5.57	+ 3 40.0	1.140	2.104	8.7	18.7
3 12	11 57.53	+ 4 34.8	1.107	2.096	3.4	18.4
3 22	11 48.46	+ 5 29.6	1.098	2.090	3.6	18.3
4 1	11 39.83	+ 6 14.9	1.114	2.085	8.9	18.6
4 11	11 33.01	+ 6 43.2	1.153	2.080	14.1	18.9
4 21	11 28.91	+ 6 50.8	1.211	2.076	18.5	19.2

338623 2003 SA_{248} 3 18.2 177°.20 0°.2/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.49	− 2 30.0	2.306	3.103	12.5	21.5
2 21	12 10.20	− 1 59.7	2.218	3.104	9.6	21.3
3 2	12 4.12	− 1 17.0	2.155	3.105	6.2	21.1
3 12	11 56.80	− 0 25.3	2.118	3.106	2.5	20.9
3 22	11 48.95	+ 0 30.6	2.111	3.106	1.4	20.8
4 1	11 41.37	+ 1 25.2	2.134	3.106	5.2	21.0
4 11	11 34.84	+ 2 13.2	2.184	3.105	8.7	21.3
4 21	11 29.90	+ 2 50.8	2.260	3.105	11.8	21.4

23509 1992 HQ_{3} 3 18.2 155°.38 1°.1/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.23	+ 1 16.2	2.167	2.980	12.6	19.4
2 21	12 10.09	+ 1 58.7	2.086	2.982	9.6	19.2
3 2	12 4.08	+ 2 52.0	2.028	2.985	6.0	19.0
3 12	11 56.79	+ 3 51.3	1.999	2.987	2.3	18.7
3 22	11 48.97	+ 4 50.8	1.998	2.990	2.3	18.7
4 1	11 41.47	+ 5 44.6	2.027	2.992	6.0	19.0
4 11	11 35.08	+ 6 27.7	2.082	2.994	9.6	19.2
4 21	11 30.38	+ 6 56.9	2.161	2.995	12.6	19.4

30383 2000 KZ_1 3 18.2 36°.39 5°.0/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.07	+ 7 2.3	1.114	1.975	18.7	17.8
2 21	12 12.06	+ 8 19.1	1.063	1.986	14.0	17.5
3 2	12 5.90	+ 9 47.4	1.033	1.998	9.0	17.3
3 12	11 57.59	+11 15.1	1.026	2.011	5.2	17.1
3 22	11 48.53	+12 29.3	1.042	2.024	6.7	17.2
4 1	11 40.30	+13 19.8	1.083	2.038	11.3	17.5
4 11	11 34.21	+13 41.7	1.144	2.053	15.8	17.8
4 21	11 30.97	+13 35.2	1.224	2.068	19.7	18.1

426377 2013 PU_7 3 18.2 169°.07 5°.8/24.6 17

2 11	12 19.57	−19 17.3	2.517	3.214	14.1	22.3
2 21	12 14.08	−19 51.6	2.421	3.218	12.0	22.2
3 2	12 6.65	−20 7.5	2.345	3.223	9.6	22.0
3 12	11 57.82	−20 3.4	2.295	3.226	7.3	21.9
3 22	11 48.35	−19 40.2	2.272	3.229	5.9	21.8
4 1	11 39.09	−19 0.8	2.279	3.231	6.4	21.8
4 11	11 30.90	−18 10.4	2.313	3.232	8.4	21.9
4 21	11 24.40	−17 15.3	2.373	3.233	10.8	22.1

374996 2007 ET_{214} 3 18.2 193°.72 1°.1/17.0 17

2 11	12 17.51	+ 2 33.0	2.356	3.161	12.0	21.7
2 21	12 12.46	+ 3 1.0	2.266	3.159	9.1	21.5
3 2	12 5.57	+ 3 37.5	2.202	3.157	5.8	21.3
3 12	11 57.38	+ 4 18.5	2.165	3.154	2.2	21.0
3 22	11 48.63	+ 4 59.2	2.159	3.150	2.2	21.0
4 1	11 40.15	+ 5 34.8	2.182	3.146	5.8	21.2
4 11	11 32.74	+ 6 1.2	2.233	3.141	9.2	21.4
4 21	11 26.97	+ 6 15.8	2.309	3.136	12.2	21.6

311595 2006 KL_{29} 3 18.2 181°.30 2°.4/16.0 18

2 11	12 18.84	+ 4 36.7	1.851	2.672	14.1	21.4
2 21	12 13.93	+ 5 22.7	1.771	2.673	10.7	21.2
3 2	12 6.71	+ 6 18.4	1.715	2.674	6.8	20.9
3 12	11 57.86	+ 7 17.6	1.686	2.674	3.0	20.7
3 22	11 48.34	+ 8 13.2	1.686	2.673	3.7	20.7
4 1	11 39.21	+ 8 58.6	1.714	2.672	7.6	20.9
4 11	11 31.47	+ 9 28.6	1.768	2.670	11.5	21.2
4 21	11 25.83	+ 9 41.2	1.844	2.668	14.9	21.4

64918 2001 YB_{99} 3 18.2 23°.88 0°.4/17.8 18

2 11	12 12.40	− 0 32.1	2.111	2.923	13.0	19.8
2 21	12 8.75	− 0 1.2	2.031	2.927	9.9	19.6
3 2	12 3.25	+ 0 41.5	1.975	2.930	6.3	19.4
3 12	11 56.48	+ 1 31.9	1.945	2.934	2.4	19.1
3 22	11 49.19	+ 2 24.5	1.944	2.938	1.7	19.1
4 1	11 42.23	+ 3 13.8	1.972	2.942	5.7	19.4
4 11	11 36.37	+ 3 54.4	2.026	2.947	9.3	19.6
4 21	11 32.19	+ 4 23.0	2.104	2.952	12.4	19.8

26648 2000 LY_7 3 18.2 164°.02 3°.6/23.6 18

2 11	12 12.84	−16 6.0	2.954	3.673	11.8	19.8
2 21	12 8.62	−15 54.0	2.857	3.678	9.7	19.6
3 2	12 2.97	−15 25.6	2.782	3.683	7.4	19.5
3 12	11 56.33	−14 41.4	2.734	3.687	5.1	19.3
3 22	11 49.28	−13 44.0	2.715	3.691	3.7	19.3
4 1	11 42.45	−12 37.3	2.726	3.694	4.5	19.3
4 11	11 36.43	−11 26.6	2.767	3.697	6.7	19.5
4 21	11 31.70	−10 16.9	2.834	3.700	9.0	19.6

351473 2005 PW_{21} 3 18.2 201°.91 1°.2/19.8 17

2 11	12 13.44	− 5 34.6	2.950	3.723	10.6	21.9
2 21	12 9.07	− 5 21.1	2.850	3.719	8.3	21.7
3 2	12 3.26	− 4 56.6	2.775	3.715	5.6	21.5
3 12	11 56.46	− 4 23.2	2.729	3.710	2.7	21.3
3 22	11 49.21	− 3 43.8	2.712	3.705	1.4	21.2
4 1	11 42.13	− 3 2.1	2.726	3.700	4.0	21.4
4 11	11 35.84	− 2 22.2	2.769	3.694	6.9	21.6
4 21	11 30.80	− 1 47.5	2.838	3.688	9.5	21.7

162733 2000 VH_{34} 3 18.2 157°.49 2°.9/15.3 18

2 11	12 19.61	+ 6 29.2	2.062	2.880	13.0	20.6
2 21	12 14.21	+ 7 25.4	1.989	2.889	9.8	20.4
3 2	12 6.73	+ 8 28.7	1.940	2.897	6.2	20.2
3 12	11 57.85	+ 9 32.9	1.920	2.904	3.2	20.1
3 22	11 48.42	+10 31.2	1.929	2.911	4.1	20.1
4 1	11 39.41	+11 17.5	1.967	2.916	7.4	20.3
4 11	11 31.72	+11 47.8	2.032	2.921	10.9	20.5
4 21	11 25.94	+12 0.6	2.120	2.925	13.9	20.8

349536 2008 ST_{18} 3 18.2 80°.13 0°.2/18.4 18

2 11	12 21.14	− 1 32.3	1.349	2.170	18.4	21.3
2 21	12 16.22	− 1 19.3	1.288	2.187	14.1	21.1
3 2	12 8.38	− 0 49.2	1.248	2.203	9.1	20.8
3 12	11 58.55	− 0 7.2	1.232	2.220	3.6	20.5
3 22	11 48.01	+ 0 39.6	1.241	2.236	2.0	20.5
4 1	11 38.23	+ 1 23.1	1.278	2.252	7.5	20.8
4 11	11 30.43	+ 1 56.2	1.339	2.268	12.3	21.1
4 21	11 25.35	+ 2 14.6	1.421	2.284	16.4	21.4

313763 2003 WQ_{116} 3 18.2 68°.77 0°.5/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 18.73	− 2 41.0	1.494	2.309	17.2	20.9
2 21	12 14.07	− 2 20.1	1.436	2.330	13.2	20.7
3 2	12 6.84	− 1 42.1	1.398	2.352	8.6	20.5
3 12	11 57.91	− 0 52.2	1.386	2.373	3.5	20.2
3 22	11 48.41	+ 0 2.8	1.400	2.395	1.8	20.2
4 1	11 39.61	+ 0 54.9	1.442	2.416	6.8	20.5
4 11	11 32.57	+ 1 37.2	1.508	2.438	11.2	20.8
4 21	11 27.94	+ 2 5.5	1.597	2.459	15.0	21.1

103948 2000 DP_{72} 3 18.2 21°.11 0°.8/17.6 18

2 11	12 14.95	+ 0 8.7	1.426	2.258	17.0	19.9
2 21	12 11.51	+ 0 37.4	1.356	2.262	13.0	19.7
3 2	12 5.41	+ 1 21.9	1.307	2.266	8.3	19.4
3 12	11 57.42	+ 2 16.5	1.282	2.271	3.1	19.1
3 22	11 48.67	+ 3 13.2	1.283	2.276	2.5	19.1
4 1	11 40.43	+ 4 3.8	1.310	2.282	7.6	19.4
4 11	11 33.88	+ 4 41.1	1.361	2.289	12.3	19.7
4 21	11 29.76	+ 5 1.2	1.433	2.296	16.4	20.0

42443 2640 $T\text{-}_3$ 3 18.2 212°.51 1°.9/20.1 16

2 11	12 15.98	− 7 54.9	1.916	2.700	15.2	21.1
2 21	12 11.82	− 7 27.1	1.821	2.694	12.0	20.9
3 2	12 5.43	− 6 39.4	1.748	2.689	8.3	20.6
3 12	11 57.42	− 5 34.6	1.701	2.682	4.2	20.4
3 22	11 48.64	− 4 17.7	1.682	2.675	2.1	20.2
4 1	11 40.13	− 2 56.4	1.692	2.668	5.8	20.4
4 11	11 32.87	− 1 38.8	1.729	2.660	9.9	20.7
4 21	11 27.57	− 0 31.6	1.790	2.651	13.6	20.9

133880 2004 PA_{83} 3 18.2 242°.23 0°.9/17.4 18

2 11	12 17.62	− 0 37.0	1.781	2.592	15.0	20.7
2 21	12 13.33	+ 0 10.7	1.681	2.577	11.6	20.4
3 2	12 6.56	+ 1 15.1	1.605	2.560	7.4	20.1
3 12	11 57.92	+ 2 31.2	1.554	2.543	2.8	19.8
3 22	11 48.32	+ 3 51.6	1.533	2.525	2.5	19.7
4 1	11 38.91	+ 5 7.5	1.539	2.507	7.3	20.0
4 11	11 30.81	+ 6 11.1	1.572	2.488	11.8	20.2
4 21	11 24.86	+ 6 57.2	1.627	2.468	15.8	20.4

376722 1997 HF 3 18.2 14°.33 3°.1/21.4 17

2 11	12 11.75	−10 38.5	1.749	2.535	16.3	20.5
2 21	12 8.71	−10 20.1	1.666	2.537	13.1	20.3
3 2	12 3.46	− 9 38.8	1.604	2.539	9.3	20.1
3 12	11 56.64	− 8 37.0	1.565	2.542	5.3	19.8
3 22	11 49.14	− 7 20.0	1.554	2.545	3.1	19.7
4 1	11 41.99	− 5 55.5	1.570	2.548	5.8	19.9
4 11	11 36.17	− 4 32.6	1.612	2.552	9.8	20.1
4 21	11 32.35	− 3 18.9	1.677	2.556	13.5	20.3

77762 2001 PA_{49} 3 18.2 172°.79 4°.7/12.2 18

2 11	12 15.29	+15 7.1	2.573	3.400	10.4	19.2
2 21	12 10.62	+16 7.7	2.501	3.402	8.0	19.0
3 2	12 4.31	+17 8.4	2.456	3.404	5.8	18.9
3 12	11 56.88	+18 3.2	2.440	3.405	4.7	18.8
3 22	11 49.02	+18 46.7	2.452	3.406	5.7	18.9
4 1	11 41.48	+19 14.8	2.493	3.407	7.9	19.0
4 11	11 34.94	+19 25.6	2.559	3.407	10.4	19.2
4 21	11 29.91	+19 19.1	2.648	3.407	12.6	19.3

107853 2001 FT_{77} 3 18.2 292°.56 2°.0/16.5 18

2 11	12 15.09	+ 2 35.3	1.584	2.416	15.6	19.7
2 21	12 11.67	+ 3 19.6	1.489	2.397	11.9	19.4
3 2	12 5.63	+ 4 18.7	1.417	2.377	7.6	19.1
3 12	11 57.59	+ 5 26.4	1.369	2.358	3.1	18.8
3 22	11 48.52	+ 6 34.5	1.349	2.339	3.6	18.7
4 1	11 39.66	+ 7 34.2	1.355	2.320	8.4	19.0
4 11	11 32.22	+ 8 17.8	1.385	2.301	13.1	19.2
4 21	11 27.11	+ 8 41.2	1.436	2.282	17.2	19.4

508418 2016 JT_{23} 3 18.2 259°.96 6°.0/12.1 17

2 11	12 19.25	+17 6.5	2.119	2.948	12.3	21.1
2 21	12 14.14	+18 2.1	2.033	2.933	9.7	20.9
3 2	12 6.83	+18 56.8	1.972	2.917	7.2	20.7
3 12	11 57.95	+19 43.3	1.939	2.900	6.0	20.6
3 22	11 48.35	+20 14.7	1.933	2.884	7.2	20.7
4 1	11 39.05	+20 26.1	1.954	2.867	9.8	20.8
4 11	11 31.00	+20 15.7	2.000	2.850	12.8	20.9
4 21	11 24.91	+19 44.2	2.067	2.833	15.5	21.1

496553 2014 WV_{406} 3 18.2 141°.44 1°.1/19.5 18

2 11	12 17.46	− 5 44.3	2.314	3.092	13.0	22.5
2 21	12 12.37	− 5 16.7	2.233	3.106	10.1	22.4
3 2	12 5.47	− 4 34.7	2.177	3.119	6.8	22.2
3 12	11 57.35	− 3 41.5	2.148	3.132	3.1	22.0
3 22	11 48.75	− 2 41.7	2.150	3.144	1.5	21.8
4 1	11 40.52	− 1 40.9	2.181	3.155	4.9	22.1
4 11	11 33.41	− 0 44.7	2.241	3.165	8.3	22.3
4 21	11 27.98	+ 0 2.4	2.326	3.175	11.4	22.5

83891 2001 UN_{134} 3 18.2 270°.91 2°.3/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.39	− 9 12.5	2.367	3.138	13.0	20.2
2 21	12 8.73	− 8 57.0	2.261	3.124	10.4	20.0
3 2	12 3.29	− 8 25.1	2.178	3.111	7.3	19.8
3 12	11 56.56	− 7 38.3	2.121	3.097	4.1	19.6
3 22	11 49.20	− 6 40.3	2.093	3.084	2.4	19.4
4 1	11 41.99	− 5 36.0	2.094	3.070	4.8	19.6
4 11	11 35.73	− 4 31.7	2.123	3.056	8.2	19.7
4 21	11 30.99	− 3 33.0	2.177	3.042	11.4	19.9

419597 2010 RH_{113} 3 18.2 225°.21 3°.0/21.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.63	− 9 44.5	1.906	2.681	15.5	22.2
2 21	12 12.38	− 9 36.7	1.809	2.673	12.5	22.0
3 2	12 5.84	− 9 9.0	1.732	2.666	8.9	21.7
3 12	11 57.61	− 8 22.7	1.681	2.657	5.1	21.5
3 22	11 48.55	− 7 21.8	1.658	2.648	3.0	21.3
4 1	11 39.73	− 6 12.6	1.663	2.639	5.9	21.5
4 11	11 32.16	− 5 3.1	1.695	2.629	9.8	21.7
4 21	11 26.60	− 4 0.5	1.751	2.619	13.6	21.9

141035 2001 WS_{66} 3 18.2 38°.15 1°.0/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.98	− 5 2.2	2.040	2.839	13.8	20.1
2 21	12 8.49	− 4 34.4	1.962	2.847	10.7	19.9
3 2	12 3.12	− 3 51.0	1.907	2.854	7.1	19.7
3 12	11 56.46	− 2 55.5	1.877	2.863	3.2	19.5
3 22	11 49.29	− 1 53.4	1.876	2.871	1.5	19.4
4 1	11 42.46	− 0 50.7	1.904	2.880	5.3	19.6
4 11	11 36.78	+ 0 6.0	1.958	2.889	9.0	19.9
4 21	11 32.82	+ 0 52.1	2.037	2.898	12.2	20.1

356753 2011 UX_{243} 3 18.2 280°.01 1°.7/16.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.79	+ 2 12.5	1.501	2.331	16.4	21.6
2 21	12 13.89	+ 2 43.1	1.408	2.314	12.6	21.3
3 2	12 7.15	+ 3 28.3	1.337	2.296	8.1	21.0
3 12	11 58.23	+ 4 22.2	1.290	2.279	3.2	20.7
3 22	11 48.17	+ 5 17.3	1.270	2.262	3.2	20.6
4 1	11 38.34	+ 6 4.9	1.276	2.244	8.4	20.9
4 11	11 30.08	+ 6 37.7	1.307	2.227	13.4	21.1
4 21	11 24.35	+ 6 51.8	1.358	2.209	17.7	21.3

79675 1998 SS_{44} 3 18.2 54°.77 1°.7/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.33	− 5 37.3	1.492	2.301	17.5	19.5
2 21	12 12.37	− 5 24.4	1.427	2.316	13.7	19.3
3 2	12 5.84	− 4 51.5	1.383	2.332	9.2	19.1
3 12	11 57.57	− 4 2.6	1.363	2.348	4.3	18.8
3 22	11 48.65	− 3 3.9	1.369	2.364	2.1	18.7
4 1	11 40.33	− 2 3.7	1.403	2.380	6.5	19.0
4 11	11 33.69	− 1 10.1	1.461	2.397	11.0	19.3
4 21	11 29.42	− 0 28.8	1.541	2.413	14.9	19.6

237601 2001 OY_{88} 3 18.2 196°.32 0°.4/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.61	− 0 9.2	2.907	3.702	10.2	21.5
2 21	12 9.21	+ 0 25.9	2.812	3.699	7.8	21.3
3 2	12 3.37	+ 1 9.9	2.743	3.695	4.9	21.1
3 12	11 56.53	+ 1 59.5	2.703	3.691	1.9	20.9
3 22	11 49.26	+ 2 50.9	2.693	3.686	1.5	20.9
4 1	11 42.18	+ 3 39.7	2.714	3.681	4.6	21.1
4 11	11 35.90	+ 4 21.9	2.764	3.675	7.5	21.3
4 21	11 30.88	+ 4 54.8	2.839	3.669	10.1	21.4

426398 2013 PH_{40} 3 18.2 162°.01 0°.2/18.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.91	− 0 42.5	2.366	3.162	12.2	22.4
2 21	12 11.96	− 0 15.6	2.281	3.168	9.3	22.2
3 2	12 5.23	+ 0 21.9	2.222	3.173	6.0	22.0
3 12	11 57.28	+ 1 6.4	2.190	3.178	2.3	21.8
3 22	11 48.82	+ 1 53.2	2.188	3.182	1.5	21.7
4 1	11 40.68	+ 2 37.5	2.217	3.186	5.2	22.0
4 11	11 33.60	+ 3 14.5	2.273	3.189	8.7	22.2
4 21	11 28.14	+ 3 41.2	2.354	3.191	11.6	22.4

430748 2004 NJ_{30} 3 18.2 328°.90 19°.1/14.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.98	+43 57.5	1.286	2.106	19.2	19.8
2 21	12 11.02	+47 19.1	1.247	2.076	19.3	19.7
3 2	12 6.09	+50 12.0	1.228	2.047	20.3	19.7
3 12	11 57.99	+52 18.4	1.225	2.019	21.9	19.7
3 22	11 48.31	+53 26.8	1.237	1.992	23.9	19.8
4 1	11 39.22	+53 33.1	1.261	1.966	26.0	19.9
4 11	11 32.73	+52 41.3	1.294	1.942	27.9	19.9
4 21	11 29.96	+51 0.0	1.333	1.920	29.5	20.0

69036 2002 XN_{31} 3 18.2 93°.94 4°.6/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.26	+13 56.5	2.259	3.087	11.7	18.3
2 21	12 12.23	+14 43.6	2.197	3.099	8.9	18.2
3 2	12 5.36	+15 30.8	2.161	3.111	6.2	18.0
3 12	11 57.30	+16 11.8	2.152	3.124	4.6	17.9
3 22	11 48.84	+16 41.4	2.172	3.136	5.6	18.0
4 1	11 40.84	+16 55.7	2.220	3.147	8.1	18.2
4 11	11 34.04	+16 52.9	2.294	3.159	10.8	18.4
4 21	11 28.98	+16 33.6	2.390	3.171	13.2	18.6

364699 2007 UO_{60} 3 18.2 15°.61 4°.9/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 18.42	+ 9 57.8	1.395	2.242	16.5	20.2
2 21	12 14.25	+10 45.9	1.329	2.243	12.5	19.9
3 2	12 7.21	+11 39.9	1.285	2.245	8.3	19.7
3 12	11 58.16	+12 30.6	1.265	2.247	5.1	19.5
3 22	11 48.31	+13 9.0	1.271	2.250	6.3	19.6
4 1	11 39.07	+13 28.1	1.302	2.253	10.3	19.8
4 11	11 31.69	+13 24.3	1.356	2.256	14.5	20.0
4 21	11 26.93	+12 58.2	1.430	2.260	18.2	20.3

465721 2009 UQ_{107} 3 18.2 187°.55 2°.2/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.28	− 8 19.6	2.181	2.956	13.8	21.9
2 21	12 10.99	− 8 4.8	2.089	2.956	11.0	21.7
3 2	12 4.75	− 7 33.2	2.019	2.955	7.6	21.5
3 12	11 57.14	− 6 47.0	1.975	2.954	4.1	21.3
3 22	11 48.91	− 5 50.1	1.960	2.952	2.3	21.2
4 1	11 40.95	− 4 48.1	1.975	2.951	5.1	21.4
4 11	11 34.10	− 3 47.6	2.017	2.949	8.7	21.6
4 21	11 28.96	− 2 54.0	2.084	2.946	12.0	21.8

55940 1998 GU_{8} 3 18.3 97°.68 10°.6/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.20	+38 14.8	2.450	3.233	12.2	18.3
2 21	12 16.81	+39 28.9	2.420	3.245	11.2	18.3
3 2	12 8.28	+40 25.9	2.412	3.257	10.6	18.2
3 12	11 58.42	+40 58.8	2.429	3.268	10.8	18.3
3 22	11 48.23	+41 3.2	2.469	3.280	11.7	18.4
4 1	11 38.77	+40 38.4	2.532	3.291	12.9	18.5
4 11	11 30.90	+39 46.6	2.614	3.302	14.2	18.6
4 21	11 25.15	+38 32.5	2.713	3.313	15.4	18.7

98268 2000 SR_{196} 3 18.3 43°.42 0°.6/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.36	+ 1 12.5	1.205	2.042	19.2	19.0
2 21	12 15.89	+ 1 14.2	1.150	2.058	14.6	18.8
3 2	12 8.28	+ 1 30.2	1.114	2.074	9.3	18.5
3 12	11 58.56	+ 1 55.2	1.102	2.091	3.5	18.3
3 22	11 48.13	+ 2 22.0	1.115	2.109	2.5	18.2
4 1	11 38.55	+ 2 43.3	1.153	2.128	8.1	18.6
4 11	11 31.14	+ 2 53.2	1.215	2.147	13.1	18.9
4 21	11 26.62	+ 2 48.8	1.296	2.166	17.3	19.3

151171 2001 XU_{166} 3 18.3 78°.74 0°.2/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.90	− 2 43.5	1.797	2.606	15.0	20.6
2 21	12 10.97	− 2 11.3	1.721	2.613	11.5	20.4
3 2	12 4.84	− 1 23.3	1.667	2.620	7.5	20.1
3 12	11 57.19	− 0 24.0	1.639	2.626	3.0	19.9
3 22	11 48.91	+ 0 40.2	1.638	2.633	1.7	19.8
4 1	11 41.05	+ 1 42.0	1.666	2.640	6.2	20.1
4 11	11 34.55	+ 2 34.7	1.720	2.646	10.3	20.3
4 21	11 30.04	+ 3 13.8	1.797	2.653	13.9	20.6

354838 2005 YO_{19} 3 18.3 152°.44 1°.8/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.30	+ 2 29.0	1.751	2.567	15.0	22.1
2 21	12 15.11	+ 3 15.9	1.677	2.576	11.4	21.9
3 2	12 7.51	+ 4 14.8	1.627	2.584	7.2	21.6
3 12	11 58.24	+ 5 19.3	1.603	2.592	2.9	21.4
3 22	11 48.31	+ 6 22.1	1.608	2.598	3.1	21.4
4 1	11 38.87	+ 7 15.7	1.641	2.604	7.4	21.7
4 11	11 30.96	+ 7 54.4	1.701	2.609	11.5	21.9
4 21	11 25.26	+ 8 15.5	1.783	2.613	15.0	22.2

289729 2005 JV_{23} 3 18.3 244°.34 4°.0/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.61	+ 9 4.4	1.812	2.643	14.0	21.6
2 21	12 13.94	+ 9 54.9	1.726	2.633	10.6	21.4
3 2	12 6.87	+10 51.8	1.665	2.623	7.0	21.1
3 12	11 58.04	+11 47.9	1.630	2.612	4.2	20.9
3 22	11 48.41	+12 35.7	1.623	2.602	5.3	21.0
4 1	11 39.10	+13 8.6	1.644	2.591	8.9	21.1
4 11	11 31.19	+13 22.3	1.689	2.579	12.7	21.3
4 21	11 25.44	+13 15.8	1.756	2.568	16.0	21.5

320952 2008 HC_{11} 3 18.3 330°.13 0°.6/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.70	− 0 8.9	1.558	2.384	16.1	20.4
2 21	12 11.28	+ 0 16.4	1.475	2.378	12.4	20.2
3 2	12 5.30	+ 0 57.0	1.413	2.371	7.9	19.9
3 12	11 57.46	+ 1 48.1	1.376	2.365	3.0	19.6
3 22	11 48.76	+ 2 42.7	1.365	2.359	2.3	19.5
4 1	11 40.41	+ 3 33.0	1.381	2.354	7.3	19.8
4 11	11 33.56	+ 4 11.8	1.422	2.349	12.0	20.0
4 21	11 29.01	+ 4 34.8	1.484	2.345	16.0	20.3

33956 2000 NN_{3} 3 18.3 166°.44 4°.8/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.93	+12 56.1	2.314	3.143	11.4	18.2
2 21	12 11.31	+14 20.8	2.244	3.147	8.7	18.0
3 2	12 4.86	+15 48.0	2.201	3.152	6.1	17.9
3 12	11 57.16	+17 10.3	2.187	3.156	4.8	17.8
3 22	11 48.97	+18 20.9	2.202	3.159	6.0	17.9
4 1	11 41.12	+19 14.0	2.245	3.161	8.6	18.0
4 11	11 34.38	+19 46.9	2.313	3.163	11.3	18.2
4 21	11 29.31	+19 59.1	2.404	3.165	13.7	18.4

419890 2011 AY_{49} 3 18.3 21°.19 2°.3/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.75	+ 3 46.0	1.443	2.284	16.4	20.9
2 21	12 11.31	+ 4 22.9	1.378	2.289	12.4	20.6
3 2	12 5.26	+ 5 11.6	1.333	2.296	7.8	20.4
3 12	11 57.40	+ 6 5.2	1.314	2.303	3.3	20.1
3 22	11 48.84	+ 6 55.5	1.320	2.310	3.7	20.2
4 1	11 40.84	+ 7 34.9	1.353	2.319	8.3	20.5
4 11	11 34.51	+ 7 57.6	1.409	2.328	12.7	20.7
4 21	11 30.56	+ 8 1.5	1.485	2.337	16.5	21.0

203937 2003 QP_{52} 3 18.3 184°.25 0°.4/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.34	− 2 15.1	2.491	3.280	11.9	21.3
2 21	12 11.51	− 1 56.8	2.399	3.280	9.2	21.1
3 2	12 4.96	− 1 27.6	2.332	3.280	6.0	20.9
3 12	11 57.22	− 0 50.4	2.293	3.279	2.5	20.7
3 22	11 48.95	− 0 9.2	2.284	3.278	1.3	20.6
4 1	11 40.93	+ 0 31.5	2.305	3.276	4.9	20.8
4 11	11 33.89	+ 1 7.2	2.354	3.274	8.2	21.0
4 21	11 28.38	+ 1 34.5	2.429	3.272	11.1	21.2

183466 2003 BE_{74} 3 18.3 274°.72 2°.2/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.02	+ 5 53.4	1.870	2.689	14.1	19.5
2 21	12 15.85	+ 6 7.1	1.769	2.669	10.8	19.3
3 2	12 8.17	+ 6 27.9	1.692	2.649	7.0	19.0
3 12	11 58.60	+ 6 50.7	1.641	2.629	3.1	18.7
3 22	11 48.07	+ 7 10.2	1.619	2.608	3.4	18.7
4 1	11 37.72	+ 7 21.0	1.626	2.587	7.6	18.9
4 11	11 28.69	+ 7 19.1	1.658	2.566	11.8	19.1
4 21	11 21.83	+ 7 2.7	1.713	2.545	15.5	19.2

494165 2016 GU_{112} 3 18.3 168°.41 2°.5/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.72	+ 6 2.6	2.201	3.020	12.3	21.7
2 21	12 11.97	+ 6 48.2	2.122	3.023	9.2	21.6
3 2	12 5.32	+ 7 40.7	2.068	3.026	5.9	21.3
3 12	11 57.36	+ 8 34.7	2.042	3.028	2.9	21.2
3 22	11 48.87	+ 9 24.3	2.046	3.030	3.6	21.2
4 1	11 40.72	+10 4.0	2.078	3.032	6.8	21.4
4 11	11 33.73	+10 30.2	2.137	3.033	10.1	21.6
4 21	11 28.46	+10 40.9	2.220	3.033	13.0	21.8

393377 1999 VX_{136} 3 18.3 224°.11 4°.4/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.25	+ 8 36.5	1.578	2.411	15.6	21.3
2 21	12 16.31	+ 9 32.4	1.496	2.403	11.9	21.0
3 2	12 8.57	+10 36.5	1.437	2.395	7.8	20.7
3 12	11 58.76	+11 40.5	1.404	2.386	4.6	20.5
3 22	11 48.00	+12 35.2	1.398	2.377	5.8	20.6
4 1	11 37.63	+13 12.5	1.418	2.367	9.8	20.8
4 11	11 28.93	+13 27.9	1.463	2.356	14.1	21.0
4 21	11 22.74	+13 20.3	1.529	2.345	17.8	21.2

240268 2002 XR_{10} 3 18.3 78°.87 5°.1/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.34	+14 9.8	2.167	3.003	11.8	20.3
2 21	12 10.21	+15 18.8	2.101	3.007	9.0	20.1
3 2	12 4.19	+16 28.9	2.061	3.012	6.4	20.0
3 12	11 56.91	+17 32.8	2.047	3.016	5.1	19.9
3 22	11 49.15	+18 23.9	2.062	3.020	6.3	20.0
4 1	11 41.77	+18 57.3	2.104	3.024	8.9	20.1
4 11	11 35.56	+19 10.6	2.171	3.029	11.6	20.3
4 21	11 31.07	+19 4.0	2.259	3.033	14.1	20.5

414461 2009 HC_{45} 3 18.3 315°.00 8°.2/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.71	+18 10.7	1.422	2.268	16.3	20.5
2 21	12 16.99	+19 4.5	1.349	2.256	12.9	20.3
3 2	12 9.14	+19 55.6	1.297	2.245	9.8	20.1
3 12	11 59.01	+20 33.1	1.270	2.234	8.2	19.9
3 22	11 47.88	+20 47.4	1.267	2.223	9.6	20.0
4 1	11 37.31	+20 32.7	1.289	2.213	12.9	20.1
4 11	11 28.71	+19 48.3	1.332	2.203	16.6	20.3
4 21	11 22.94	+18 38.0	1.394	2.194	20.1	20.5

520 Franziska 3 18.3 105°.86 3°.3/14.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.41	+ 9 53.7	2.274	3.096	11.8	15.6
2 21	12 12.36	+10 29.4	2.205	3.107	8.9	15.4
3 2	12 5.48	+11 7.9	2.161	3.117	5.8	15.2
3 12	11 57.40	+11 44.0	2.145	3.126	3.5	15.1
3 22	11 48.88	+12 12.7	2.159	3.136	4.3	15.1
4 1	11 40.78	+12 29.8	2.201	3.146	7.1	15.3
4 11	11 33.86	+12 32.8	2.270	3.155	10.1	15.5
4 21	11 28.63	+12 21.4	2.361	3.164	12.7	15.7

14070 1996 JC_1 3 18.3 210°.53 2°.3/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.17	+ 5 46.2	2.309	3.128	11.8	18.1
2 21	12 10.77	+ 6 27.6	2.224	3.125	8.9	17.9
3 2	12 4.55	+ 7 15.8	2.163	3.121	5.6	17.7
3 12	11 57.08	+ 8 5.9	2.131	3.118	2.7	17.5
3 22	11 49.07	+ 8 52.4	2.128	3.114	3.3	17.5
4 1	11 41.33	+ 9 30.4	2.154	3.110	6.5	17.7
4 11	11 34.64	+ 9 55.8	2.208	3.105	9.8	17.9
4 21	11 29.57	+10 6.8	2.284	3.101	12.6	18.1

148621 2001 RC_{126} 3 18.3 170°.18 1°.5/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.66	+ 3 1.1	2.317	3.125	12.1	21.7
2 21	12 12.60	+ 3 40.8	2.235	3.129	9.1	21.5
3 2	12 5.69	+ 4 29.1	2.177	3.133	5.8	21.3
3 12	11 57.51	+ 5 21.4	2.148	3.136	2.3	21.1
3 22	11 48.82	+ 6 12.4	2.149	3.138	2.5	21.1
4 1	11 40.44	+ 6 56.9	2.179	3.140	6.0	21.3
4 11	11 33.17	+ 7 30.4	2.237	3.141	9.4	21.6
4 21	11 27.56	+ 7 50.8	2.320	3.141	12.3	21.7

352448 2008 AU_{49} 3 18.3 268°.48 3°.4/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.15	+ 9 9.7	2.370	3.198	11.2	21.0
2 21	12 9.24	+10 4.9	2.284	3.189	8.4	20.8
3 2	12 3.58	+11 5.1	2.224	3.181	5.5	20.6
3 12	11 56.70	+12 4.6	2.192	3.173	3.5	20.4
3 22	11 49.29	+12 57.6	2.189	3.164	4.4	20.5
4 1	11 42.12	+13 38.9	2.214	3.156	7.3	20.7
4 11	11 35.94	+14 4.8	2.266	3.147	10.2	20.8
4 21	11 31.30	+14 14.1	2.340	3.139	12.9	21.0

16013 Schmidgall 3 18.3 3°.53 1°.2/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.12	+ 1 12.9	1.309	2.145	18.0	17.6
2 21	12 13.49	+ 1 37.0	1.236	2.145	13.7	17.3
3 2	12 6.90	+ 2 16.9	1.184	2.145	8.8	17.0
3 12	11 58.13	+ 3 6.3	1.156	2.145	3.3	16.7
3 22	11 48.43	+ 3 57.2	1.153	2.146	2.9	16.7
4 1	11 39.26	+ 4 40.7	1.175	2.147	8.4	17.0
4 11	11 31.95	+ 5 9.6	1.221	2.149	13.4	17.3
4 21	11 27.35	+ 5 20.1	1.286	2.150	17.7	17.5

155988 2001 QJ_{260} 3 18.3 303°.95 4°.1/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.44	−10 8.3	1.304	2.111	19.7	19.5
2 21	12 11.09	−10 14.4	1.206	2.089	16.1	19.2
3 2	12 5.69	− 9 53.3	1.127	2.068	11.7	18.9
3 12	11 57.81	− 9 4.4	1.069	2.047	6.9	18.5
3 22	11 48.53	− 7 51.6	1.035	2.026	4.1	18.3
4 1	11 39.35	− 6 23.8	1.025	2.005	7.8	18.4
4 11	11 31.81	− 4 53.5	1.039	1.985	13.1	18.6
4 21	11 27.06	− 3 32.5	1.073	1.966	18.2	18.9

460390 2014 SQ_{79} 3 18.3 88°.82 1°.3/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.00	+ 2 10.7	1.645	2.463	15.8	21.3
2 21	12 15.61	+ 2 36.8	1.585	2.484	11.9	21.1
3 2	12 7.78	+ 3 14.1	1.547	2.504	7.5	20.9
3 12	11 58.33	+ 3 56.7	1.536	2.524	2.9	20.6
3 22	11 48.37	+ 4 38.2	1.552	2.544	2.7	20.7
4 1	11 39.07	+ 5 12.2	1.596	2.564	7.1	21.0
4 11	11 31.44	+ 5 33.9	1.666	2.583	11.2	21.3
4 21	11 26.12	+ 5 41.0	1.759	2.601	14.7	21.5

189165 2002 TQ_{96} 3 18.3 270°.65 1°.9/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.01	− 7 21.6	1.565	2.363	17.4	20.7
2 21	12 13.43	− 6 53.7	1.453	2.336	13.9	20.3
3 2	12 7.02	− 6 0.8	1.363	2.308	9.6	20.0
3 12	11 58.30	− 4 44.9	1.297	2.280	4.7	19.7
3 22	11 48.24	− 3 11.5	1.257	2.251	2.2	19.4
4 1	11 38.17	− 1 30.4	1.244	2.221	7.2	19.6
4 11	11 29.47	+ 0 6.8	1.257	2.191	12.6	19.8
4 21	11 23.22	+ 1 30.1	1.292	2.160	17.5	20.0

22995 Allenjanes 3 18.3 293°.75 1°.5/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.28	− 6 11.4	1.936	2.731	14.6	19.1
2 21	12 9.77	− 5 50.6	1.842	2.723	11.5	18.9
3 2	12 4.14	− 5 12.3	1.770	2.715	7.8	18.7
3 12	11 56.99	− 4 19.1	1.723	2.706	3.8	18.4
3 22	11 49.11	− 3 15.9	1.704	2.698	1.8	18.2
4 1	11 41.48	− 2 9.6	1.714	2.691	5.6	18.5
4 11	11 35.02	− 1 7.2	1.750	2.683	9.7	18.7
4 21	11 30.42	− 0 14.8	1.810	2.675	13.3	18.9

334506 2002 QG_{146} 3 18.3 105°.39 2°.2/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.58	− 6 43.3	2.202	2.979	13.7	21.1
2 21	12 12.64	− 6 53.4	2.119	2.987	10.8	20.9
3 2	12 5.77	− 6 49.7	2.059	2.996	7.5	20.7
3 12	11 57.57	− 6 33.8	2.026	3.005	4.0	20.5
3 22	11 48.81	− 6 8.8	2.021	3.013	2.3	20.4
4 1	11 40.38	− 5 38.7	2.046	3.021	5.0	20.6
4 11	11 33.12	− 5 8.8	2.099	3.029	8.5	20.8
4 21	11 27.61	− 4 43.2	2.176	3.037	11.6	21.0

386948 2011 QT_{96} 3 18.3 69°.30 1°.4/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.55	− 4 34.0	2.305	3.092	12.8	21.3
2 21	12 11.03	− 4 36.0	2.221	3.098	10.0	21.1
3 2	12 4.70	− 4 25.8	2.160	3.104	6.7	20.9
3 12	11 57.14	− 4 5.7	2.127	3.110	3.2	20.7
3 22	11 49.06	− 3 39.0	2.122	3.116	1.6	20.6
4 1	11 41.29	− 3 9.7	2.147	3.122	4.8	20.8
4 11	11 34.58	− 2 42.5	2.199	3.128	8.2	21.1
4 21	11 29.49	− 2 21.0	2.276	3.134	11.2	21.3

413948 2007 AK_7 3 18.3 88°.54 1°.9/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.24	+ 2 32.4	1.758	2.582	14.6	21.4
2 21	12 11.95	+ 3 25.0	1.693	2.596	11.0	21.2
3 2	12 5.44	+ 4 29.2	1.651	2.610	6.9	21.0
3 12	11 57.44	+ 5 38.3	1.635	2.623	2.8	20.8
3 22	11 48.90	+ 6 44.9	1.647	2.637	3.2	20.8
4 1	11 40.87	+ 7 41.6	1.688	2.650	7.3	21.1
4 11	11 34.29	+ 8 23.0	1.754	2.664	11.1	21.3
4 21	11 29.75	+ 8 46.5	1.842	2.677	14.5	21.6

135148 2001 QT_{217} 3 18.3 141°.15 0°.5/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.59	− 1 49.0	2.375	3.168	12.3	19.6
2 21	12 11.76	− 1 44.4	2.289	3.172	9.5	19.4
3 2	12 5.15	− 1 29.6	2.227	3.176	6.2	19.2
3 12	11 57.32	− 1 7.3	2.193	3.179	2.6	19.0
3 22	11 48.97	− 0 40.9	2.188	3.183	1.3	18.9
4 1	11 40.91	− 0 14.6	2.213	3.186	4.9	19.2
4 11	11 33.90	+ 0 7.4	2.266	3.189	8.3	19.4
4 21	11 28.49	+ 0 22.2	2.344	3.192	11.3	19.6

219801 2002 AY_{146} 3 18.3 115°.68 0°.3/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.15	− 2 41.6	2.148	2.943	13.4	21.6
2 21	12 12.25	− 2 12.0	2.076	2.960	10.2	21.4
3 2	12 5.46	− 1 29.5	2.028	2.977	6.6	21.2
3 12	11 57.42	− 0 38.0	2.007	2.994	2.7	21.0
3 22	11 48.93	+ 0 17.2	2.015	3.010	1.4	20.9
4 1	11 40.85	+ 1 10.4	2.053	3.025	5.3	21.2
4 11	11 33.99	+ 1 56.3	2.119	3.040	8.9	21.4
4 21	11 28.88	+ 2 31.3	2.209	3.055	12.0	21.7

341328 2007 TD_{28} 3 18.3 158°.78 1°.5/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.09	− 7 33.7	2.597	3.369	11.9	21.6
2 21	12 8.99	− 7 4.9	2.507	3.374	9.4	21.5
3 2	12 3.33	− 6 21.7	2.441	3.378	6.4	21.3
3 12	11 56.60	− 5 26.8	2.402	3.382	3.3	21.1
3 22	11 49.41	− 4 24.2	2.393	3.386	1.6	21.0
4 1	11 42.48	− 3 18.9	2.414	3.390	4.4	21.2
4 11	11 36.45	− 2 16.3	2.464	3.393	7.5	21.4
4 21	11 31.83	− 1 20.9	2.540	3.396	10.3	21.5

493300 2014 UZ_{182} 3 18.3 186°.07 5°.6/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.39	+15 54.9	2.257	3.080	11.8	22.6
2 21	12 14.79	+17 5.0	2.183	3.080	9.2	22.5
3 2	12 7.15	+18 15.2	2.135	3.080	6.7	22.3
3 12	11 58.12	+19 17.8	2.116	3.078	5.6	22.2
3 22	11 48.53	+20 6.4	2.125	3.076	6.7	22.3
4 1	11 39.30	+20 35.9	2.163	3.072	9.2	22.4
4 11	11 31.31	+20 44.3	2.226	3.068	11.9	22.6
4 21	11 25.17	+20 32.3	2.311	3.063	14.4	22.8

504142 2006 SO_{94} 3 18.3 194°.29 0°.7/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.65	+ 1 16.9	2.889	3.689	10.2	22.5
2 21	12 9.27	+ 1 49.4	2.797	3.687	7.7	22.3
3 2	12 3.45	+ 2 29.8	2.730	3.684	4.9	22.1
3 12	11 56.64	+ 3 14.9	2.693	3.681	1.8	21.9
3 22	11 49.40	+ 4 0.5	2.685	3.677	1.7	21.9
4 1	11 42.37	+ 4 42.8	2.708	3.673	4.7	22.1
4 11	11 36.14	+ 5 17.9	2.760	3.669	7.6	22.3
4 21	11 31.18	+ 5 43.4	2.837	3.664	10.2	22.4

101733 1999 ER_{12} 3 18.3 51°.63 3°.7/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.99	+ 9 9.9	1.475	2.310	16.4	18.8
2 21	12 17.35	+ 9 25.6	1.421	2.328	12.4	18.6
3 2	12 8.98	+ 9 45.2	1.388	2.347	8.0	18.4
3 12	11 58.83	+10 2.0	1.381	2.366	4.2	18.2
3 22	11 48.16	+10 9.6	1.400	2.385	4.8	18.3
4 1	11 38.31	+10 3.5	1.447	2.404	8.8	18.6
4 11	11 30.40	+ 9 41.7	1.518	2.424	12.8	18.9
4 21	11 25.07	+ 9 4.7	1.610	2.444	16.3	19.2

466914 2015 FM_3 3 18.3 216°.30 7°.5/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.91	+20 58.0	2.167	3.003	11.8	20.6
2 21	12 10.81	+22 41.1	2.103	2.999	9.5	20.4
3 2	12 4.70	+24 21.1	2.065	2.996	7.9	20.3
3 12	11 57.19	+25 49.0	2.054	2.992	7.6	20.3
3 22	11 49.08	+26 57.0	2.070	2.987	9.0	20.4
4 1	11 41.32	+27 40.0	2.112	2.983	11.2	20.5
4 11	11 34.76	+27 56.3	2.176	2.978	13.5	20.6
4 21	11 30.02	+27 47.3	2.259	2.974	15.7	20.8

376967 2002 JV_{79} 3 18.3 326°.51 3°.5/21.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.03	−11 13.0	1.678	2.465	16.8	20.7
2 21	12 8.44	−11 2.4	1.582	2.453	13.7	20.4
3 2	12 3.50	−10 27.7	1.507	2.441	9.9	20.2
3 12	11 56.82	− 9 30.1	1.456	2.430	5.9	19.9
3 22	11 49.26	− 8 14.1	1.430	2.420	3.5	19.7
4 1	11 41.94	− 6 47.3	1.431	2.410	6.2	19.9
4 11	11 35.94	− 5 19.7	1.458	2.400	10.4	20.1
4 21	11 32.04	− 4 0.0	1.507	2.391	14.4	20.3

225527 2000 RE_{82} 3 18.3 204°.20 2°.9/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.36	−11 49.5	2.521	3.269	12.9	21.5
2 21	12 10.88	−11 33.4	2.417	3.264	10.4	21.3
3 2	12 4.65	−11 0.1	2.336	3.258	7.6	21.2
3 12	11 57.17	−10 11.0	2.282	3.251	4.6	21.0
3 22	11 49.09	− 9 9.2	2.256	3.243	2.9	20.8
4 1	11 41.21	− 7 59.6	2.261	3.235	4.7	20.9
4 11	11 34.27	− 6 48.4	2.295	3.226	7.8	21.1
4 21	11 28.84	− 5 41.2	2.355	3.217	10.8	21.3

60888 2000 JA_{14} 3 18.3 260°.88 2°.7/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.69	+ 4 54.7	1.545	2.375	16.0	19.0
2 21	12 15.25	+ 5 29.9	1.457	2.363	12.2	18.7
3 2	12 8.00	+ 6 16.2	1.391	2.351	7.8	18.4
3 12	11 58.62	+ 7 7.1	1.350	2.338	3.5	18.1
3 22	11 48.21	+ 7 54.8	1.336	2.325	4.1	18.1
4 1	11 38.11	+ 8 31.3	1.349	2.311	8.8	18.4
4 11	11 29.61	+ 8 50.7	1.387	2.298	13.4	18.6
4 21	11 23.62	+ 8 50.6	1.445	2.284	17.5	18.8

466748 2015 AD_{41} 3 18.3 267°.43 2°.2/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.01	+ 3 53.0	1.877	2.702	13.8	21.1
2 21	12 11.08	+ 4 40.3	1.794	2.698	10.4	20.9
3 2	12 4.98	+ 5 38.2	1.735	2.694	6.6	20.6
3 12	11 57.33	+ 6 40.8	1.702	2.690	2.9	20.4
3 22	11 49.01	+ 7 40.9	1.697	2.686	3.4	20.4
4 1	11 41.01	+ 8 31.8	1.721	2.681	7.3	20.7
4 11	11 34.29	+ 9 8.0	1.770	2.677	11.2	20.9
4 21	11 29.51	+ 9 26.8	1.841	2.673	14.6	21.1

230212 2001 TM_{28} 3 18.3 215°.41 1°.2/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.96	− 4 45.8	2.075	2.864	14.0	21.2
2 21	12 12.42	− 4 32.4	1.980	2.859	10.9	20.9
3 2	12 5.79	− 4 4.2	1.908	2.853	7.3	20.7
3 12	11 57.66	− 3 23.8	1.863	2.847	3.4	20.5
3 22	11 48.81	− 2 35.6	1.846	2.841	1.6	20.3
4 1	11 40.21	− 1 45.1	1.859	2.834	5.5	20.6
4 11	11 32.77	− 0 58.6	1.899	2.826	9.4	20.8
4 21	11 27.17	− 0 20.7	1.963	2.819	12.9	21.0

469379 2001 SW_{157} 3 18.3 224°.23 1°.6/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.41	− 8 48.9	2.916	3.677	11.0	22.7
2 21	12 8.42	− 8 11.2	2.806	3.666	8.7	22.6
3 2	12 2.97	− 7 18.8	2.720	3.654	6.1	22.4
3 12	11 56.48	− 6 14.0	2.663	3.641	3.2	22.2
3 22	11 49.52	− 5 0.5	2.636	3.628	1.6	22.0
4 1	11 42.69	− 3 43.2	2.640	3.615	4.1	22.2
4 11	11 36.62	− 2 27.4	2.674	3.601	7.0	22.3
4 21	11 31.79	− 1 17.9	2.734	3.586	9.8	22.5

321909 2010 TS_{24} 3 18.3 258°.16 4°.7/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.10	−13 10.5	1.826	2.587	16.6	21.2
2 21	12 13.04	−13 24.0	1.720	2.571	13.8	20.9
3 2	12 6.50	−13 15.7	1.634	2.554	10.3	20.7
3 12	11 58.04	−12 44.9	1.573	2.538	6.8	20.4
3 22	11 48.54	−11 53.7	1.537	2.520	4.7	20.2
4 1	11 39.16	−10 47.6	1.529	2.503	6.6	20.3
4 11	11 31.05	− 9 34.8	1.548	2.485	10.4	20.5
4 21	11 25.09	− 8 23.9	1.590	2.467	14.3	20.7

467581 2007 UN_{50} 3 18.3 153°.58 18°.1/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 33.60	+39 40.2	1.256	2.064	20.3	20.3
2 21	12 26.86	+41 41.0	1.224	2.065	18.8	20.2
3 2	12 15.70	+43 12.5	1.210	2.067	18.1	20.1
3 12	12 1.57	+43 58.2	1.215	2.069	18.5	20.2
3 22	11 46.67	+43 48.7	1.239	2.070	19.8	20.2
4 1	11 33.33	+42 43.7	1.280	2.071	21.6	20.4
4 11	11 23.30	+40 51.5	1.337	2.072	23.6	20.5
4 21	11 17.32	+38 24.4	1.406	2.073	25.4	20.7

163733 2003 KJ_4 3 18.3 191°.42 4°.2/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.11	+ 8 40.6	1.805	2.635	14.1	20.9
2 21	12 14.28	+ 9 46.7	1.728	2.634	10.7	20.7
3 2	12 7.08	+11 0.1	1.675	2.632	7.0	20.4
3 12	11 58.18	+12 12.7	1.649	2.630	4.3	20.3
3 22	11 48.56	+13 16.4	1.651	2.627	5.5	20.3
4 1	11 39.34	+14 3.8	1.681	2.624	9.0	20.5
4 11	11 31.56	+14 30.6	1.736	2.620	12.7	20.7
4 21	11 25.94	+14 35.8	1.812	2.616	15.9	20.9

437154 2012 VN_{35} 3 18.3 184°.81 1°.1/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.98	+ 2 24.3	2.730	3.535	10.5	22.1
2 21	12 9.60	+ 3 2.0	2.642	3.535	8.0	21.9
3 2	12 3.70	+ 3 47.5	2.580	3.535	5.0	21.7
3 12	11 56.77	+ 4 37.0	2.546	3.534	2.0	21.5
3 22	11 49.40	+ 5 26.1	2.542	3.533	2.1	21.5
4 1	11 42.26	+ 6 10.4	2.569	3.531	5.1	21.7
4 11	11 35.98	+ 6 46.0	2.624	3.529	8.1	21.9
4 21	11 31.05	+ 7 10.6	2.703	3.527	10.7	22.1

437023 2012 TN_{291} 3 18.3 205°.66 0°.3/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.63	− 0 24.5	2.564	3.362	11.3	22.1
2 21	12 10.22	+ 0 2.0	2.470	3.358	8.7	21.9
3 2	12 4.18	+ 0 38.3	2.402	3.354	5.6	21.7
3 12	11 56.99	+ 1 21.1	2.361	3.349	2.1	21.4
3 22	11 49.29	+ 2 6.3	2.350	3.344	1.5	21.4
4 1	11 41.81	+ 2 49.2	2.370	3.339	5.0	21.6
4 11	11 35.24	+ 3 25.6	2.417	3.333	8.2	21.8
4 21	11 30.12	+ 3 52.3	2.490	3.328	11.1	22.0

455690 2005 EH_{113} 3 18.3 298°.83 0°.5/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.31	− 0 8.7	1.506	2.332	16.6	21.7
2 21	12 12.75	+ 0 12.2	1.416	2.318	12.8	21.4
3 2	12 6.44	+ 0 48.9	1.346	2.304	8.3	21.1
3 12	11 58.06	+ 1 36.9	1.301	2.290	3.2	20.8
3 22	11 48.62	+ 2 29.4	1.282	2.277	2.3	20.7
4 1	11 39.44	+ 3 18.2	1.290	2.263	7.6	21.0
4 11	11 31.80	+ 3 55.8	1.322	2.250	12.6	21.2
4 21	11 26.60	+ 4 17.2	1.375	2.237	16.9	21.4

391687 2008 AH_{89} 3 18.3 26°.24 0°.3/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.25	− 0 55.3	2.055	2.868	13.2	21.2
2 21	12 8.74	− 0 21.8	1.977	2.873	10.1	21.0
3 2	12 3.36	+ 0 24.2	1.923	2.878	6.4	20.8
3 12	11 56.68	+ 1 18.4	1.895	2.883	2.5	20.6
3 22	11 49.49	+ 2 15.1	1.895	2.889	1.7	20.5
4 1	11 42.63	+ 3 8.4	1.924	2.895	5.7	20.8
4 11	11 36.90	+ 3 52.7	1.979	2.902	9.4	21.0
4 21	11 32.87	+ 4 24.4	2.058	2.908	12.6	21.2

173944 2001 WO_{63} 3 18.3 164°.57 0°.1/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.89	− 0 49.7	2.885	3.677	10.4	21.9
2 21	12 9.43	− 0 21.7	2.797	3.681	7.9	21.7
3 2	12 3.56	+ 0 15.1	2.735	3.686	5.1	21.5
3 12	11 56.72	+ 0 57.8	2.702	3.690	2.0	21.3
3 22	11 49.48	+ 1 42.5	2.699	3.693	1.3	21.3
4 1	11 42.47	+ 2 25.3	2.727	3.696	4.4	21.5
4 11	11 36.29	+ 3 2.3	2.783	3.698	7.3	21.7
4 21	11 31.39	+ 3 30.9	2.865	3.701	9.8	21.9

150902 2001 SW_{323} 3 18.3 216°.33 4°.6/23.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.08	−14 53.5	2.251	2.987	14.6	21.4
2 21	12 12.49	−15 4.2	2.146	2.979	12.1	21.2
3 2	12 5.86	−14 55.7	2.064	2.971	9.2	21.0
3 12	11 57.73	−14 27.6	2.006	2.963	6.3	20.8
3 22	11 48.85	−13 42.0	1.976	2.953	4.6	20.6
4 1	11 40.13	−12 43.1	1.975	2.944	5.8	20.7
4 11	11 32.50	−11 37.6	2.002	2.934	8.7	20.8
4 21	11 26.62	−10 32.2	2.054	2.923	11.8	21.0

352682 2008 ST_{5} 3 18.3 148°.12 2°.5/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.40	+ 3 2.8	1.653	2.477	15.4	21.6
2 21	12 13.85	+ 4 11.4	1.582	2.485	11.6	21.4
3 2	12 6.83	+ 5 33.3	1.534	2.493	7.3	21.1
3 12	11 58.09	+ 7 0.7	1.512	2.500	3.2	20.9
3 22	11 48.68	+ 8 24.3	1.519	2.506	3.9	21.0
4 1	11 39.75	+ 9 35.3	1.553	2.512	8.2	21.2
4 11	11 32.38	+10 27.4	1.613	2.517	12.3	21.5
4 21	11 27.26	+10 57.8	1.694	2.521	15.9	21.7

522893 2016 OW_{8} 3 18.3 245°.21 3°.4/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.41	−10 57.6	2.398	3.154	13.2	21.3
2 21	12 11.03	−11 12.3	2.299	3.149	10.8	21.1
3 2	12 4.82	−11 11.8	2.222	3.144	7.9	20.9
3 12	11 57.29	−10 56.5	2.171	3.139	5.0	20.7
3 22	11 49.13	−10 28.6	2.149	3.134	3.4	20.6
4 1	11 41.16	− 9 51.9	2.156	3.128	5.1	20.7
4 11	11 34.18	− 9 11.3	2.190	3.123	8.0	20.8
4 21	11 28.78	− 8 32.1	2.250	3.117	11.0	21.0

39398 6609 *P–L* 3 18.3 132°.75 1°.8/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.75	+ 5 17.2	2.232	3.041	12.5	19.8
2 21	12 14.94	+ 5 37.1	2.158	3.053	9.4	19.6
3 2	12 7.20	+ 6 2.9	2.109	3.065	5.9	19.4
3 12	11 58.17	+ 6 30.3	2.089	3.076	2.5	19.2
3 22	11 48.67	+ 6 54.7	2.098	3.087	2.8	19.2
4 1	11 39.60	+ 7 11.8	2.137	3.097	6.2	19.5
4 11	11 31.77	+ 7 18.7	2.204	3.107	9.5	19.7
4 21	11 25.74	+ 7 13.8	2.295	3.116	12.4	19.9

17347 3449 *T*-3 3 18.3 190°.91 1°.6/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.31	+ 5 6.5	2.935	3.743	9.8	19.0
2 21	12 9.76	+ 5 39.3	2.847	3.742	7.4	18.9
3 2	12 3.78	+ 6 17.6	2.784	3.740	4.7	18.7
3 12	11 56.82	+ 6 57.6	2.751	3.738	2.1	18.5
3 22	11 49.46	+ 7 35.5	2.748	3.735	2.4	18.5
4 1	11 42.31	+ 8 7.4	2.776	3.732	5.1	18.7
4 11	11 35.97	+ 8 30.5	2.832	3.729	7.9	18.9
4 21	11 30.89	+ 8 42.8	2.912	3.725	10.3	19.0

372678 2009 WR_{133} 3 18.3 203°.44 0°.6/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.00	− 3 22.4	2.093	2.889	13.6	22.1
2 21	12 11.65	− 3 1.6	2.003	2.887	10.6	21.9
3 2	12 5.29	− 2 26.8	1.936	2.884	7.0	21.7
3 12	11 57.49	− 1 41.4	1.895	2.881	3.0	21.4
3 22	11 49.05	− 0 50.0	1.884	2.878	1.4	21.3
4 1	11 40.88	+ 0 1.6	1.901	2.875	5.5	21.5
4 11	11 33.86	+ 0 47.5	1.946	2.871	9.3	21.8
4 21	11 28.63	+ 1 23.3	2.014	2.867	12.7	22.0

377790 2006 AF_{15} 3 18.3 227°.01 3°.5/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.00	−10 26.5	1.979	2.749	15.2	20.8
2 21	12 11.82	−10 36.0	1.888	2.748	12.3	20.6
3 2	12 5.49	−10 27.3	1.819	2.747	8.9	20.4
3 12	11 57.59	−10 1.0	1.775	2.746	5.4	20.2
3 22	11 48.98	− 9 20.4	1.758	2.745	3.5	20.1
4 1	11 40.64	− 8 30.4	1.769	2.744	5.7	20.2
4 11	11 33.53	− 7 37.9	1.807	2.743	9.2	20.4
4 21	11 28.33	− 6 49.2	1.869	2.742	12.6	20.6

425977 2011 HV_{67} 3 18.3 12°.12 0°.5/18.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.75	− 3 37.4	1.658	2.473	15.8	21.4
2 21	12 9.60	− 3 7.6	1.580	2.474	12.2	21.2
3 2	12 4.16	− 2 19.8	1.523	2.477	8.0	20.9
3 12	11 57.08	− 1 18.6	1.492	2.479	3.4	20.7
3 22	11 49.31	− 0 10.7	1.487	2.482	1.7	20.5
4 1	11 41.94	+ 0 56.1	1.510	2.486	6.4	20.9
4 11	11 35.95	+ 1 53.9	1.558	2.490	10.7	21.1
4 21	11 32.05	+ 2 37.5	1.629	2.495	14.5	21.4

227378 2005 UE_{241} 3 18.3 226°.56 6°.5/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.98	+18 0.0	2.104	2.935	12.3	21.2
2 21	12 13.98	+19 11.1	2.028	2.926	9.7	21.0
3 2	12 6.80	+20 21.1	1.976	2.917	7.4	20.8
3 12	11 58.09	+21 21.7	1.951	2.908	6.5	20.8
3 22	11 48.72	+22 5.8	1.955	2.898	7.7	20.8
4 1	11 39.70	+22 28.1	1.985	2.888	10.3	20.9
4 11	11 31.96	+22 26.9	2.039	2.877	13.0	21.1
4 21	11 26.16	+22 3.2	2.114	2.866	15.6	21.3

152451 2005 UA_{501} 3 18.3 287°.35 3°.7/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.29	+ 5 18.1	1.754	2.591	14.1	19.9
2 21	12 9.24	+ 6 53.9	1.671	2.582	10.6	19.6
3 2	12 3.94	+ 8 43.3	1.612	2.573	6.8	19.4
3 12	11 57.02	+10 37.2	1.581	2.565	3.9	19.2
3 22	11 49.35	+12 25.4	1.577	2.556	5.3	19.3
4 1	11 41.96	+13 58.0	1.601	2.548	9.1	19.5
4 11	11 35.86	+15 7.8	1.650	2.539	13.0	19.7
4 21	11 31.76	+15 52.0	1.719	2.531	16.3	19.9

419806 2010 WN_{55} 3 18.3 125°.87 2°.6/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.43	−10 4.2	2.336	3.092	13.6	22.5
2 21	12 13.15	− 9 51.2	2.258	3.112	10.8	22.3
3 2	12 6.05	− 9 21.7	2.204	3.131	7.6	22.1
3 12	11 57.74	− 8 37.7	2.176	3.150	4.4	22.0
3 22	11 48.98	− 7 43.2	2.178	3.167	2.6	21.9
4 1	11 40.61	− 6 43.2	2.210	3.184	4.8	22.0
4 11	11 33.39	− 5 43.8	2.271	3.201	8.0	22.3
4 21	11 27.85	− 4 50.2	2.358	3.216	10.9	22.5

367532 2009 QE_{36} 3 18.3 171°.85 0°.4/18.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.39	− 2 58.1	2.315	3.104	12.7	23.1
2 21	12 12.47	− 2 33.9	2.227	3.108	9.8	22.9
3 2	12 5.69	− 1 57.2	2.163	3.111	6.4	22.7
3 12	11 57.63	− 1 11.3	2.127	3.114	2.7	22.5
3 22	11 49.02	− 0 20.6	2.121	3.115	1.3	22.4
4 1	11 40.70	+ 0 29.5	2.144	3.117	5.1	22.7
4 11	11 33.46	+ 1 13.8	2.196	3.117	8.7	22.9
4 21	11 27.87	+ 1 48.6	2.273	3.117	11.8	23.1

304506 2006 UR_{190} 3 18.3 141°.31 2°.1/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.08	− 8 57.4	2.995	3.748	10.9	21.9
2 21	12 10.30	− 8 56.0	2.906	3.759	8.7	21.8
3 2	12 4.11	− 8 42.5	2.843	3.770	6.1	21.6
3 12	11 56.96	− 8 18.6	2.806	3.780	3.5	21.5
3 22	11 49.43	− 7 46.5	2.800	3.789	2.2	21.4
4 1	11 42.14	− 7 9.8	2.825	3.798	3.9	21.5
4 11	11 35.66	− 6 32.2	2.879	3.807	6.5	21.7
4 21	11 30.46	− 5 57.5	2.959	3.815	9.0	21.9

205615 2001 UJ_{179} 3 18.3 309°.12 3°.1/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.73	− 7 10.2	1.989	2.770	14.8	19.2
2 21	12 13.32	− 7 43.2	1.881	2.750	11.9	19.0
3 2	12 6.61	− 8 2.7	1.796	2.731	8.5	18.7
3 12	11 58.12	− 8 8.8	1.736	2.712	4.9	18.5
3 22	11 48.68	− 8 3.2	1.703	2.693	3.2	18.3
4 1	11 39.33	− 7 49.2	1.699	2.674	5.9	18.5
4 11	11 31.11	− 7 31.8	1.722	2.656	9.7	18.6
4 21	11 24.85	− 7 16.1	1.769	2.638	13.4	18.8

375285 2008 KT_{27} 3 18.3 293°.26 1°.1/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.32	− 0 28.6	1.693	2.516	15.2	21.1
2 21	12 10.21	+ 0 21.7	1.596	2.498	11.7	20.8
3 2	12 4.70	+ 1 29.4	1.522	2.480	7.5	20.5
3 12	11 57.38	+ 2 49.3	1.473	2.462	2.8	20.2
3 22	11 49.14	+ 4 13.6	1.451	2.444	2.6	20.1
4 1	11 41.08	+ 5 33.0	1.457	2.426	7.4	20.4
4 11	11 34.33	+ 6 39.1	1.487	2.408	12.0	20.6
4 21	11 29.68	+ 7 26.5	1.540	2.390	16.1	20.8

292458 2006 SE_{366} 3 18.3 203°.79 2°.9/14.6 18

2 11	12 16.17	+10 21.6	2.829	3.645	9.9	21.2
2 21	12 11.23	+10 56.5	2.743	3.641	7.5	21.0
3 2	12 4.76	+11 33.9	2.683	3.637	4.9	20.9
3 12	11 57.24	+12 9.2	2.652	3.632	3.1	20.7
3 22	11 49.28	+12 38.5	2.651	3.627	3.8	20.8
4 1	11 41.56	+12 58.1	2.681	3.621	6.2	20.9
4 11	11 34.72	+13 5.6	2.737	3.615	8.8	21.1
4 21	11 29.24	+13 0.3	2.818	3.609	11.2	21.2

208376 2001 SE_{59} 3 18.3 163°.62 0°.3/18.7 18

2 11	12 12.20	− 3 38.8	2.520	3.312	11.7	20.4
2 21	12 8.41	− 2 55.4	2.431	3.314	9.0	20.2
3 2	12 3.04	− 1 59.0	2.368	3.317	5.9	20.0
3 12	11 56.58	− 0 53.4	2.332	3.319	2.4	19.8
3 22	11 49.67	+ 0 16.5	2.326	3.321	1.2	19.7
4 1	11 43.00	+ 1 25.4	2.350	3.322	4.7	20.0
4 11	11 37.24	+ 2 27.7	2.402	3.324	8.0	20.2
4 21	11 32.90	+ 3 19.4	2.480	3.325	10.9	20.4

283245 2011 DM_{11} 3 18.3 4°.44 8°.7/14.9 18

2 11	12 35.77	+23 7.6	1.396	2.219	17.8	19.5
2 21	12 27.59	+22 56.7	1.329	2.219	14.4	19.3
3 2	12 15.83	+22 31.8	1.282	2.219	11.0	19.1
3 12	12 1.66	+21 43.5	1.261	2.221	8.8	18.9
3 22	11 46.78	+20 26.9	1.267	2.224	9.5	19.0
4 1	11 33.02	+18 42.7	1.300	2.228	12.5	19.2
4 11	11 21.88	+16 36.4	1.358	2.233	16.1	19.4
4 21	11 14.15	+14 16.2	1.437	2.239	19.4	19.6

350755 2002 AW_{33} 3 18.3 162°.33 0°.7/17.3 18

2 11	12 13.24	+ 1 5.0	2.979	3.778	9.9	22.2
2 21	12 8.92	+ 1 40.9	2.894	3.783	7.5	22.0
3 2	12 3.23	+ 2 24.5	2.835	3.788	4.7	21.9
3 12	11 56.63	+ 3 12.4	2.804	3.793	1.8	21.7
3 22	11 49.66	+ 4 0.8	2.804	3.797	1.6	21.6
4 1	11 42.91	+ 4 45.6	2.835	3.800	4.5	21.9
4 11	11 36.95	+ 5 23.4	2.895	3.803	7.3	22.0
4 21	11 32.22	+ 5 51.5	2.980	3.806	9.7	22.2

239909 2000 SN_{233} 3 18.3 255°.78 2°.9/14.4 18

2 11	12 14.07	+ 8 25.8	2.729	3.548	10.2	21.3
2 21	12 9.84	+ 9 20.6	2.626	3.527	7.7	21.1
3 2	12 4.00	+10 21.0	2.550	3.506	5.0	20.9
3 12	11 57.00	+11 21.9	2.502	3.484	3.0	20.7
3 22	11 49.42	+12 18.2	2.485	3.461	3.9	20.7
4 1	11 41.97	+13 4.9	2.497	3.439	6.5	20.9
4 11	11 35.34	+13 38.4	2.536	3.415	9.4	21.0
4 21	11 30.06	+13 56.9	2.600	3.392	12.0	21.1

296453 2009 HD_{65} 3 18.3 250°.54 10°.0/ 7.7 17

2 11	12 21.08	+25 30.9	1.801	2.632	14.0	20.8
2 21	12 16.10	+27 8.2	1.734	2.620	11.8	20.6
3 2	12 8.43	+28 38.3	1.690	2.607	10.3	20.5
3 12	11 58.82	+29 49.7	1.671	2.594	10.2	20.4
3 22	11 48.37	+30 33.3	1.678	2.581	11.6	20.5
4 1	11 38.37	+30 43.9	1.708	2.567	14.0	20.6
4 11	11 30.02	+30 21.3	1.759	2.553	16.6	20.7
4 21	11 24.09	+29 29.2	1.827	2.539	19.0	20.9

500258 2012 KP_{48} 3 18.3 29°.79 5°.9/24.2 18

2 11	12 11.98	−17 17.2	1.565	2.326	19.0	20.4
2 21	12 9.25	−17 16.3	1.488	2.333	15.8	20.2
3 2	12 4.05	−16 45.6	1.428	2.341	12.2	20.0
3 12	11 57.09	−15 45.2	1.391	2.349	8.4	19.8
3 22	11 49.38	−14 19.3	1.379	2.357	6.0	19.6
4 1	11 42.11	−12 36.5	1.392	2.366	7.0	19.7
4 11	11 36.36	−10 48.2	1.431	2.376	10.4	19.9
4 21	11 32.86	− 9 5.3	1.494	2.386	14.1	20.2

178666 2000 QT_{135} 3 18.3 173°.33 0°.3/17.9 18

2 11	12 15.75	+ 0 33.3	3.136	3.926	9.7	21.4
2 21	12 10.74	+ 0 48.8	3.046	3.929	7.4	21.2
3 2	12 4.37	+ 1 11.2	2.981	3.931	4.7	21.0
3 12	11 57.08	+ 1 37.9	2.946	3.933	1.8	20.8
3 22	11 49.41	+ 2 6.0	2.941	3.935	1.2	20.8
4 1	11 41.95	+ 2 32.1	2.968	3.936	4.2	21.0
4 11	11 35.26	+ 2 53.2	3.024	3.937	6.9	21.2
4 21	11 29.79	+ 3 7.3	3.107	3.937	9.3	21.4

271906 2004 XB_{6} 3 18.3 131°.62 2°.5/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.61	−10 30.5	2.298	3.061	13.6	21.1
2 21	12 10.37	−10 6.7	2.214	3.071	10.8	20.9
3 2	12 4.35	− 9 25.2	2.152	3.082	7.7	20.8
3 12	11 57.12	− 8 28.2	2.117	3.092	4.4	20.6
3 22	11 49.39	− 7 20.0	2.111	3.101	2.5	20.5
4 1	11 41.98	− 6 6.4	2.135	3.110	4.8	20.6
4 11	11 35.65	− 4 54.0	2.186	3.119	8.0	20.8
4 21	11 30.93	− 3 48.5	2.264	3.128	11.1	21.0

198924 2005 UA_{181} 3 18.3 47°.37 0°.7/18.9 18

2 11	12 16.02	− 4 8.1	1.224	2.052	19.5	20.6
2 21	12 12.74	− 3 39.7	1.161	2.062	15.1	20.3
3 2	12 6.46	− 2 48.3	1.117	2.072	9.9	20.1
3 12	11 58.07	− 1 39.3	1.096	2.084	4.2	19.8
3 22	11 48.85	− 0 21.9	1.100	2.095	2.0	19.7
4 1	11 40.29	+ 0 52.9	1.129	2.107	7.7	20.0
4 11	11 33.70	+ 1 55.3	1.182	2.119	12.9	20.4
4 21	11 29.84	+ 2 38.9	1.255	2.131	17.3	20.6

351657 2005 YZ_{168} 3 18.3 60°.00 0°.2/18.2 18

2 11	12 19.36	− 0 46.8	1.312	2.140	18.4	21.3
2 21	12 15.13	− 0 31.6	1.247	2.149	14.2	21.0
3 2	12 7.92	+ 0 0.6	1.202	2.159	9.1	20.8
3 12	11 58.63	+ 0 44.4	1.181	2.169	3.6	20.5
3 22	11 48.53	+ 1 32.3	1.185	2.180	2.2	20.4
4 1	11 39.08	+ 2 15.9	1.215	2.190	7.7	20.8
4 11	11 31.57	+ 2 47.8	1.270	2.201	12.7	21.1
4 21	11 26.80	+ 3 3.9	1.345	2.212	17.0	21.4

322715 2000 LX_{23} 3 18.3 315°.01 16°.1/21.2 16

2 11	12 12.34	+36 19.3	1.437	2.274	16.7	19.6
2 21	12 10.78	+40 0.6	1.382	2.240	16.1	19.4
3 2	12 5.83	+43 27.1	1.351	2.206	16.7	19.4
3 12	11 58.07	+46 19.3	1.342	2.173	18.3	19.4
3 22	11 48.72	+48 22.7	1.352	2.141	20.6	19.4
4 1	11 39.52	+49 29.7	1.377	2.108	23.1	19.5
4 11	11 32.30	+49 41.5	1.414	2.077	25.3	19.6
4 21	11 28.29	+49 4.5	1.459	2.046	27.3	19.7

500677 2012 VA_{62} 3 18.3 124°.21 4°.2/13.2 17

2 11	12 16.14	+13 40.3	2.557	3.381	10.6	21.7
2 21	12 11.30	+14 29.1	2.491	3.391	8.1	21.5
3 2	12 4.82	+15 18.2	2.450	3.401	5.6	21.4
3 12	11 57.28	+16 2.2	2.439	3.410	4.2	21.3
3 22	11 49.35	+16 36.2	2.456	3.419	5.1	21.3
4 1	11 41.79	+16 56.6	2.502	3.428	7.4	21.5
4 11	11 35.26	+17 1.3	2.575	3.436	9.9	21.7
4 21	11 30.24	+16 50.6	2.670	3.445	12.1	21.8

474024 2016 GM_{119} 3 18.3 356°.37 4°.6/14.5 17

2 11	12 14.14	+ 8 27.9	1.387	2.240	16.2	20.5
2 21	12 11.12	+ 9 25.3	1.319	2.236	12.3	20.3
3 2	12 5.36	+10 31.3	1.272	2.234	8.0	20.0
3 12	11 57.65	+11 36.6	1.249	2.232	4.8	19.8
3 22	11 49.11	+12 31.6	1.251	2.231	6.1	19.9
4 1	11 41.08	+13 7.9	1.278	2.231	10.2	20.1
4 11	11 34.75	+13 20.7	1.328	2.232	14.4	20.4
4 21	11 30.90	+13 9.4	1.397	2.234	18.1	20.6

326703 2003 BX_{49} 3 18.3 46°.33 1°.4/19.5 18

2 11	12 16.05	− 5 11.9	1.404	2.219	18.1	20.7
2 21	12 12.29	− 4 53.4	1.347	2.239	14.1	20.5
3 2	12 5.91	− 4 14.3	1.310	2.261	9.3	20.3
3 12	11 57.79	− 3 19.4	1.297	2.282	4.2	20.0
3 22	11 49.08	− 2 15.9	1.310	2.305	1.9	19.9
4 1	11 41.05	− 1 12.5	1.349	2.327	6.6	20.3
4 11	11 34.78	− 0 17.8	1.413	2.350	11.2	20.6
4 21	11 30.93	+ 0 22.9	1.499	2.373	15.1	20.9

453915 2011 VL_{13} 3 18.3 75°.90 4°.8/22.8 18

2 11	12 15.61	−14 28.6	1.518	2.289	19.0	20.8
2 21	12 12.03	−14 21.6	1.444	2.301	15.6	20.6
3 2	12 5.84	−13 46.1	1.390	2.313	11.5	20.3
3 12	11 57.81	−12 43.5	1.358	2.325	7.4	20.1
3 22	11 49.04	−11 18.8	1.352	2.337	4.9	20.0
4 1	11 40.78	− 9 41.3	1.373	2.349	6.8	20.1
4 11	11 34.17	− 8 2.4	1.419	2.361	10.7	20.4
4 21	11 29.94	− 6 31.9	1.488	2.373	14.5	20.7

416873 2005 OR_{27} 3 18.3 165°.78 7°.7/10.1 18

2 11	12 20.47	+21 33.8	2.040	2.868	12.7	20.6
2 21	12 15.10	+22 51.7	1.980	2.871	10.3	20.4
3 2	12 7.49	+24 4.5	1.944	2.875	8.3	20.3
3 12	11 58.38	+25 3.4	1.936	2.877	7.7	20.3
3 22	11 48.72	+25 41.4	1.954	2.880	8.9	20.4
4 1	11 39.57	+25 54.3	1.999	2.882	11.2	20.5
4 11	11 31.85	+25 41.6	2.066	2.883	13.7	20.7
4 21	11 26.20	+25 5.6	2.154	2.884	15.9	20.8

246299 2007 TF_{104} 3 18.3 5.°99 1.°5/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.26	+ 2 27.4	1.843	2.669	14.0	20.7
2 21	12 9.78	+ 3 0.6	1.765	2.669	10.6	20.4
3 2	12 4.19	+ 3 44.6	1.711	2.670	6.7	20.2
3 12	11 57.12	+ 4 34.3	1.683	2.672	2.6	19.9
3 22	11 49.44	+ 5 23.3	1.682	2.674	2.7	20.0
4 1	11 42.13	+ 6 5.4	1.709	2.676	6.8	20.2
4 11	11 36.09	+ 6 35.3	1.762	2.679	10.6	20.4
4 21	11 31.94	+ 6 50.2	1.837	2.683	14.0	20.7

305344 2008 AB_{122} 3 18.3 313.°25 2.°5/15.5 17

2 11	12 12.29	+ 5 33.0	2.146	2.974	12.2	21.1
2 21	12 8.85	+ 6 22.4	2.057	2.962	9.2	20.8
3 2	12 3.52	+ 7 20.2	1.992	2.951	5.9	20.6
3 12	11 56.86	+ 8 20.8	1.954	2.940	2.9	20.4
3 22	11 49.58	+ 9 18.2	1.945	2.929	3.6	20.4
4 1	11 42.54	+10 6.1	1.963	2.919	7.0	20.6
4 11	11 36.54	+10 40.0	2.008	2.909	10.4	20.8
4 21	11 32.20	+10 57.4	2.076	2.899	13.5	21.0

157533 Stellamarie 3 18.3 174.°11 6.°1/10.9 18

2 11	12 19.20	+19 1.4	2.379	3.203	11.3	20.7
2 21	12 13.83	+20 13.5	2.313	3.207	8.9	20.6
3 2	12 6.56	+21 22.9	2.273	3.209	6.9	20.4
3 12	11 58.00	+22 22.5	2.261	3.211	6.2	20.4
3 22	11 48.95	+23 6.1	2.277	3.212	7.3	20.5
4 1	11 40.29	+23 29.5	2.320	3.213	9.4	20.6
4 11	11 32.81	+23 31.5	2.389	3.213	11.8	20.7
4 21	11 27.07	+23 13.2	2.479	3.212	14.0	20.9

25273 Barrycarole 3 18.3 112.°42 1.°6/16.6 18

2 11	12 15.00	+ 3 8.1	2.172	2.988	12.5	18.6
2 21	12 10.73	+ 3 49.0	2.096	2.995	9.4	18.4
3 2	12 4.62	+ 4 38.7	2.044	3.002	5.9	18.2
3 12	11 57.25	+ 5 32.5	2.020	3.009	2.4	18.0
3 22	11 49.39	+ 6 24.5	2.025	3.015	2.7	18.0
4 1	11 41.87	+ 7 9.4	2.059	3.022	6.2	18.3
4 11	11 35.49	+ 7 42.6	2.120	3.028	9.6	18.5
4 21	11 30.78	+ 8 1.9	2.205	3.034	12.6	18.7

46357 2001 TG_{77} 3 18.3 175.°72 6.°9/10.9 18

2 11	12 20.77	+20 15.4	2.155	2.981	12.2	19.3
2 21	12 15.20	+21 23.5	2.090	2.983	9.8	19.1
3 2	12 7.52	+22 27.6	2.050	2.985	7.7	19.0
3 12	11 58.40	+23 19.8	2.038	2.986	6.9	18.9
3 22	11 48.73	+23 53.5	2.053	2.986	8.1	19.0
4 1	11 39.53	+24 4.8	2.095	2.987	10.3	19.1
4 11	11 31.68	+23 52.7	2.161	2.986	12.8	19.3
4 21	11 25.80	+23 19.2	2.247	2.985	15.1	19.5

382356 2013 TO_{84} 3 18.3 199.°55 2.°3/20.8 17

2 11	12 14.70	− 8 38.6	2.057	2.835	14.4	21.2
2 21	12 10.75	− 8 24.0	1.966	2.834	11.5	21.0
3 2	12 4.78	− 7 51.4	1.897	2.833	8.0	20.8
3 12	11 57.37	− 7 2.9	1.853	2.831	4.4	20.6
3 22	11 49.30	− 6 2.8	1.838	2.830	2.4	20.4
4 1	11 41.51	− 4 57.2	1.851	2.828	5.3	20.6
4 11	11 34.87	− 3 53.1	1.892	2.826	9.0	20.8
4 21	11 30.02	− 2 56.3	1.957	2.824	12.4	21.1

432905 2011 PZ_{14} 3 18.3 232.°19 0.°5/17.7 17

2 11	12 12.52	− 0 54.0	2.710	3.508	10.8	22.3
2 21	12 8.63	− 0 7.5	2.609	3.497	8.3	22.1
3 2	12 3.21	+ 0 49.9	2.533	3.486	5.3	21.9
3 12	11 56.71	+ 1 54.6	2.486	3.474	2.0	21.6
3 22	11 49.70	+ 3 2.0	2.469	3.462	1.6	21.6
4 1	11 42.84	+ 4 6.7	2.483	3.450	4.9	21.8
4 11	11 36.80	+ 5 4.0	2.525	3.437	8.1	22.0
4 21	11 32.08	+ 5 50.3	2.592	3.424	10.8	22.1

303304 2004 TW_{17} 3 18.3 195.°62 2.°0/20.2 18 R

2 11	12 19.33	− 7 10.2	1.941	2.720	15.1	21.1
2 21	12 14.43	− 6 56.7	1.847	2.718	12.0	20.8
3 2	12 7.24	− 6 25.5	1.776	2.715	8.3	20.6
3 12	11 58.37	− 5 38.6	1.731	2.711	4.2	20.3
3 22	11 48.72	− 4 40.6	1.714	2.707	2.2	20.2
4 1	11 39.34	− 3 38.0	1.726	2.701	5.7	20.4
4 11	11 31.26	− 2 37.9	1.765	2.695	9.8	20.6
4 21	11 25.19	− 1 46.4	1.829	2.688	13.5	20.8

90285 2003 EV_9 3 18.3 245.°38 0.°6/19.1 18

2 11	12 11.47	− 4 45.7	2.580	3.368	11.6	19.9
2 21	12 7.91	− 4 3.3	2.480	3.359	9.0	19.7
3 2	12 2.79	− 3 7.0	2.404	3.351	5.9	19.5
3 12	11 56.55	− 2 0.2	2.356	3.342	2.6	19.3
3 22	11 49.80	− 0 47.4	2.338	3.332	1.2	19.1
4 1	11 43.23	+ 0 25.7	2.350	3.323	4.6	19.4
4 11	11 37.50	+ 1 33.7	2.390	3.314	7.9	19.6
4 21	11 33.14	+ 2 31.9	2.456	3.304	10.9	19.7

506233 2016 MX_2 3 18.3 238.°27 6.°0/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.84	−21 53.9	2.689	3.374	13.5	21.6
2 21	12 9.83	−22 10.9	2.578	3.364	11.7	21.4
3 2	12 4.09	−22 8.4	2.488	3.354	9.6	21.2
3 12	11 57.09	−21 45.1	2.421	3.343	7.5	21.1
3 22	11 49.47	−21 1.8	2.381	3.332	6.1	21.0
4 1	11 41.97	−20 1.7	2.370	3.320	6.3	21.0
4 11	11 35.36	−18 50.1	2.385	3.309	8.0	21.0
4 21	11 30.21	−17 33.3	2.427	3.297	10.2	21.2

7504 Kawakita 3 18.3 29.°57 0.°6/17.8 18

2 11	12 13.54	+ 0 16.6	1.815	2.636	14.4	17.7
2 21	12 9.92	+ 0 42.1	1.748	2.648	10.9	17.5
3 2	12 4.22	+ 1 19.7	1.703	2.660	6.9	17.3
3 12	11 57.12	+ 2 4.5	1.684	2.673	2.6	17.0
3 22	11 49.50	+ 2 50.9	1.693	2.687	2.0	17.0
4 1	11 42.33	+ 3 32.5	1.729	2.701	6.2	17.3
4 11	11 36.48	+ 4 4.1	1.791	2.715	10.1	17.6
4 21	11 32.53	+ 4 22.6	1.876	2.731	13.4	17.8

406414 2007 TG_{153} 3 18.3 204.°36 2.°7/20.9 18

2 11	12 16.89	− 9 57.1	1.887	2.661	15.7	21.3
2 21	12 12.66	− 9 35.9	1.792	2.657	12.6	21.0
3 2	12 6.15	− 8 53.3	1.718	2.652	8.9	20.8
3 12	11 57.96	− 7 51.4	1.671	2.647	5.0	20.5
3 22	11 48.98	− 6 34.8	1.650	2.642	2.7	20.4
4 1	11 40.26	− 5 11.0	1.659	2.636	5.8	20.6
4 11	11 32.82	− 3 48.7	1.695	2.629	9.9	20.8
4 21	11 27.41	− 2 35.2	1.755	2.622	13.6	21.0

140396 2001 TG_{64} 3 18.3 60.°59 1.°7/20.2 17

2 11	12 13.12	− 6 56.1	2.169	2.954	13.6	19.9
2 21	12 9.34	− 6 36.9	2.090	2.965	10.6	19.7
3 2	12 3.75	− 6 2.1	2.034	2.975	7.2	19.5
3 12	11 56.93	− 5 14.5	2.004	2.985	3.7	19.3
3 22	11 49.61	− 4 18.4	2.002	2.996	1.8	19.2
4 1	11 42.63	− 3 19.7	2.030	3.007	4.9	19.4
4 11	11 36.75	− 2 24.2	2.085	3.017	8.4	19.7
4 21	11 32.51	− 1 36.9	2.164	3.028	11.5	19.9

419346 2009 WT_{185} 3 18.3 38.°50 7.°0/13.2 18

2 11	12 20.14	+16 12.8	1.429	2.277	16.1	20.3
2 21	12 15.29	+17 5.6	1.387	2.298	12.4	20.2
3 2	12 7.73	+17 55.3	1.368	2.320	8.9	20.0
3 12	11 58.48	+18 32.3	1.373	2.342	7.1	20.0
3 22	11 48.81	+18 49.2	1.404	2.365	8.2	20.1
4 1	11 40.02	+18 41.9	1.459	2.389	11.3	20.3
4 11	11 33.19	+18 10.5	1.538	2.414	14.5	20.6
4 21	11 28.89	+17 18.4	1.635	2.438	17.4	20.8

314184 2005 GD_{169} 3 18.3 346.°48 0.°9/17.6 16

2 11	12 16.29	+ 0 33.0	1.454	2.284	16.8	21.4
2 21	12 12.70	+ 0 57.7	1.376	2.281	12.9	21.1
3 2	12 6.40	+ 1 37.8	1.319	2.278	8.3	20.9
3 12	11 58.11	+ 2 27.6	1.287	2.276	3.2	20.6
3 22	11 48.93	+ 3 20.0	1.281	2.274	2.5	20.5
4 1	11 40.18	+ 4 6.6	1.300	2.273	7.7	20.8
4 11	11 33.07	+ 4 40.4	1.344	2.272	12.5	21.1
4 21	11 28.43	+ 4 57.3	1.410	2.271	16.6	21.3

458996 2011 WB_{134} 3 18.3 87.°66 0.°2/18.5 18

2 11	12 19.39	− 2 18.5	1.563	2.375	16.8	22.1
2 21	12 14.65	− 1 51.9	1.500	2.393	12.9	21.9
3 2	12 7.37	− 1 8.9	1.458	2.411	8.3	21.7
3 12	11 58.40	− 0 14.5	1.441	2.429	3.3	21.4
3 22	11 48.82	+ 0 44.2	1.452	2.447	1.8	21.4
4 1	11 39.86	+ 1 39.6	1.490	2.464	6.7	21.7
4 11	11 32.58	+ 2 24.5	1.554	2.481	11.1	22.0
4 21	11 27.65	+ 2 54.9	1.640	2.498	14.9	22.3

426708 2013 TQ_{36} 3 18.3 140.°92 1.°9/16.2 18

2 11	12 15.70	+ 3 37.0	2.137	2.954	12.7	21.8
2 21	12 11.31	+ 4 27.3	2.061	2.961	9.5	21.6
3 2	12 5.03	+ 5 26.7	2.010	2.968	6.0	21.3
3 12	11 57.44	+ 6 29.8	1.986	2.974	2.6	21.1
3 22	11 49.35	+ 7 30.4	1.992	2.980	3.0	21.2
4 1	11 41.61	+ 8 22.4	2.026	2.986	6.5	21.4
4 11	11 35.02	+ 9 1.2	2.088	2.991	10.0	21.6
4 21	11 30.16	+ 9 24.6	2.173	2.996	13.0	21.8

241622 1999 VL_5 3 18.3 128.°63 4.°8/23.7 18

2 11	12 17.83	−16 45.7	2.070	2.800	15.8	20.7
2 21	12 13.06	−16 37.8	1.989	2.816	13.1	20.5
3 2	12 6.20	−16 6.7	1.928	2.832	10.0	20.3
3 12	11 57.92	−15 13.0	1.892	2.847	6.8	20.2
3 22	11 49.08	−14 0.4	1.884	2.861	4.8	20.1
4 1	11 40.64	−12 35.1	1.905	2.875	5.9	20.2
4 11	11 33.49	−11 5.5	1.954	2.888	8.8	20.4
4 21	11 28.26	− 9 39.5	2.028	2.900	11.8	20.6

2919 Dali 3 18.3 268°.45 0°.2/18.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.14	− 1 2.8	2.457	3.258	11.7	17.2
2 21	12 9.29	− 0 33.4	2.355	3.244	9.0	17.0
3 2	12 3.74	+ 0 7.2	2.278	3.230	5.8	16.8
3 12	11 56.97	+ 0 55.6	2.228	3.216	2.3	16.5
3 22	11 49.60	+ 1 47.4	2.208	3.202	1.5	16.4
4 1	11 42.40	+ 2 37.5	2.217	3.188	5.1	16.7
4 11	11 36.10	+ 3 21.1	2.254	3.174	8.6	16.9
4 21	11 31.26	+ 3 54.4	2.316	3.159	11.6	17.0

199296 2006 BA_{76} 3 18.3 212°.58 0°.3/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.04	− 0 11.3	2.194	2.996	12.9	21.3
2 21	12 12.39	+ 0 8.8	2.102	2.991	9.9	21.1
3 2	12 5.78	+ 0 39.8	2.034	2.987	6.4	20.9
3 12	11 57.78	+ 1 18.0	1.994	2.982	2.5	20.6
3 22	11 49.14	+ 1 59.0	1.983	2.977	1.6	20.6
4 1	11 40.76	+ 2 37.5	2.001	2.971	5.6	20.8
4 11	11 33.49	+ 3 8.7	2.046	2.965	9.3	21.0
4 21	11 27.94	+ 3 29.2	2.116	2.959	12.6	21.2

373744 2002 TO_{74} 3 18.3 60°.79 3°.4/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.47	+ 9 27.0	1.919	2.746	13.5	20.1
2 21	12 14.16	+ 9 58.9	1.866	2.770	10.1	19.9
3 2	12 6.77	+10 33.9	1.837	2.794	6.5	19.7
3 12	11 58.09	+11 6.1	1.835	2.817	3.7	19.6
3 22	11 49.03	+11 29.9	1.861	2.841	4.5	19.7
4 1	11 40.58	+11 41.0	1.915	2.865	7.6	19.9
4 11	11 33.59	+11 37.4	1.996	2.889	10.8	20.2
4 21	11 28.58	+11 18.9	2.098	2.913	13.7	20.4

169392 2001 VA_{65} 3 18.3 47°.31 4°.3/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.23	+12 20.0	1.958	2.790	13.0	19.2
2 21	12 13.25	+12 54.7	1.902	2.807	9.9	19.0
3 2	12 6.23	+13 30.3	1.870	2.825	6.7	18.8
3 12	11 57.89	+14 0.4	1.865	2.842	4.4	18.7
3 22	11 49.15	+14 19.7	1.888	2.860	5.3	18.8
4 1	11 40.97	+14 24.1	1.938	2.879	8.2	19.0
4 11	11 34.19	+14 12.1	2.014	2.897	11.2	19.2
4 21	11 29.35	+13 44.2	2.112	2.916	14.0	19.4

400253 2007 PT_{50} 3 18.3 224°.36 0°.9/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.25	− 4 10.2	1.942	2.733	14.7	22.4
2 21	12 14.46	− 3 48.6	1.842	2.722	11.5	22.2
3 2	12 7.33	− 3 10.7	1.764	2.711	7.7	21.9
3 12	11 58.47	− 2 19.7	1.713	2.698	3.4	21.7
3 22	11 48.74	− 1 20.5	1.690	2.685	1.6	21.5
4 1	11 39.20	− 0 19.8	1.697	2.671	6.0	21.8
4 11	11 30.89	+ 0 35.3	1.731	2.656	10.3	22.0
4 21	11 24.60	+ 1 19.5	1.788	2.640	14.1	22.2

495417 2014 SO_{143} 3 18.3 294°.03 0°.4/18.6 17 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.40	− 3 19.5	1.495	2.306	17.4	23.3
2 21	12 15.81	− 2 53.4	1.367	2.260	13.9	22.9
3 2	12 9.05	− 2 4.7	1.260	2.213	9.4	22.5
3 12	11 59.48	− 0 55.4	1.178	2.165	4.0	22.1
3 22	11 47.98	+ 0 28.9	1.121	2.116	2.1	21.8
4 1	11 36.00	+ 1 58.2	1.091	2.066	8.5	22.0
4 11	11 25.20	+ 3 20.7	1.086	2.015	14.7	22.2
4 21	11 16.99	+ 4 26.4	1.102	1.963	20.3	22.4

336250 2008 SM_{129} 3 18.3 239°.15 1°.7/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.01	− 6 56.8	2.284	3.063	13.2	22.0
2 21	12 10.88	− 6 39.7	2.181	3.052	10.4	21.8
3 2	12 4.85	− 6 7.1	2.101	3.040	7.2	21.6
3 12	11 57.44	− 5 21.0	2.048	3.029	3.7	21.3
3 22	11 49.36	− 4 25.5	2.023	3.016	1.8	21.2
4 1	11 41.45	− 3 25.9	2.028	3.004	5.0	21.3
4 11	11 34.54	− 2 28.2	2.061	2.991	8.6	21.5
4 21	11 29.25	− 1 37.6	2.119	2.978	11.9	21.7

75094 1999 VD_{35} 3 18.3 302°.79 4°.8/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.67	+ 9 36.7	1.507	2.350	15.6	18.4
2 21	12 13.80	+10 28.3	1.426	2.338	12.0	18.1
3 2	12 7.15	+11 27.2	1.367	2.326	8.0	17.9
3 12	11 58.45	+12 24.7	1.333	2.315	5.0	17.7
3 22	11 48.78	+13 11.8	1.325	2.303	6.2	17.7
4 1	11 39.47	+13 40.6	1.343	2.292	10.2	17.9
4 11	11 31.81	+13 46.6	1.384	2.281	14.4	18.1
4 21	11 26.62	+13 29.2	1.445	2.271	18.2	18.3

56652 2000 KJ_{48} 3 18.3 301°.16 1°.9/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.12	− 6 41.1	1.373	2.188	18.5	18.4
2 21	12 11.39	− 6 20.5	1.283	2.175	14.7	18.2
3 2	12 5.79	− 5 34.9	1.212	2.162	10.1	17.8
3 12	11 57.97	− 4 27.2	1.165	2.150	4.9	17.5
3 22	11 49.02	− 3 4.0	1.143	2.137	2.3	17.3
4 1	11 40.32	− 1 35.6	1.146	2.125	7.3	17.6
4 11	11 33.26	− 0 13.6	1.173	2.114	12.6	17.8
4 21	11 28.77	+ 0 53.0	1.222	2.102	17.4	18.1

238746 2005 GG_{150} 3 18.3 263°.65 2°.3/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.32	+ 5 45.6	2.489	3.306	11.1	21.5
2 21	12 10.22	+ 6 35.4	2.385	3.285	8.4	21.3
3 2	12 4.37	+ 7 32.9	2.307	3.264	5.4	21.0
3 12	11 57.24	+ 8 33.3	2.257	3.242	2.7	20.8
3 22	11 49.48	+ 9 31.1	2.236	3.220	3.4	20.8
4 1	11 41.84	+10 20.8	2.246	3.198	6.5	21.0
4 11	11 35.10	+10 58.0	2.282	3.175	9.7	21.1
4 21	11 29.82	+11 20.3	2.342	3.152	12.6	21.3

268339 2005 SQ_{150} 3 18.3 109°.93 0°.1/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.93	− 2 34.7	2.098	2.895	13.6	21.9
2 21	12 12.19	− 1 54.6	2.028	2.914	10.4	21.7
3 2	12 5.55	− 1 1.1	1.983	2.933	6.7	21.5
3 12	11 57.65	+ 0 1.3	1.964	2.952	2.6	21.3
3 22	11 49.30	+ 1 6.9	1.975	2.970	1.5	21.2
4 1	11 41.39	+ 2 9.3	2.016	2.987	5.5	21.5
4 11	11 34.71	+ 3 2.8	2.084	3.004	9.1	21.8
4 21	11 29.80	+ 3 43.8	2.177	3.021	12.2	22.0

236574 2006 HG_{93} 3 18.3 235°.01 0°.0/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.43	− 2 28.7	2.166	2.968	13.0	21.2
2 21	12 9.68	− 1 50.0	2.075	2.964	10.0	21.0
3 2	12 4.06	− 0 57.3	2.008	2.960	6.5	20.8
3 12	11 57.11	+ 0 5.3	1.968	2.956	2.6	20.5
3 22	11 49.57	+ 1 12.5	1.957	2.952	1.5	20.4
4 1	11 42.28	+ 2 17.8	1.975	2.948	5.5	20.7
4 11	11 36.05	+ 3 15.1	2.021	2.943	9.2	20.9
4 21	11 31.47	+ 4 0.3	2.091	2.939	12.5	21.1

216365 2008 AS_{88} 3 18.3 202°.94 0°.1/18.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.76	− 2 4.8	1.707	2.518	15.6	21.5
2 21	12 12.70	− 1 36.3	1.624	2.518	12.0	21.3
3 2	12 6.22	− 0 51.7	1.563	2.517	7.8	21.0
3 12	11 58.02	+ 0 4.6	1.527	2.515	3.1	20.7
3 22	11 49.05	+ 1 6.1	1.519	2.514	1.8	20.6
4 1	11 40.43	+ 2 5.2	1.539	2.513	6.6	20.9
4 11	11 33.24	+ 2 54.9	1.585	2.511	11.0	21.2
4 21	11 28.20	+ 3 30.2	1.653	2.509	14.8	21.4

65814 1996 TH_{8} 3 18.3 87°.05 3°.4/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.00	+10 31.3	1.813	2.631	14.6	18.6
2 21	12 20.22	+10 30.4	1.738	2.635	11.1	18.4
3 2	12 10.89	+10 30.7	1.686	2.640	7.3	18.2
3 12	11 59.80	+10 26.9	1.662	2.645	3.9	18.0
3 22	11 48.07	+10 14.4	1.667	2.650	4.4	18.0
4 1	11 36.92	+ 9 50.1	1.701	2.655	8.0	18.2
4 11	11 27.44	+ 9 12.7	1.762	2.660	11.8	18.5
4 21	11 20.34	+ 8 23.0	1.845	2.665	15.1	18.7

388732 2007 VX_{250} 3 18.3 118°.67 0°.4/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.63	− 1 51.1	2.443	3.234	12.0	21.4
2 21	12 11.78	− 1 40.9	2.363	3.245	9.3	21.2
3 2	12 5.23	− 1 20.5	2.307	3.255	6.0	21.0
3 12	11 57.53	− 0 52.9	2.279	3.265	2.5	20.8
3 22	11 49.37	− 0 21.7	2.280	3.275	1.2	20.7
4 1	11 41.54	+ 0 9.0	2.312	3.285	4.8	21.0
4 11	11 34.74	+ 0 35.0	2.372	3.294	8.0	21.2
4 21	11 29.48	+ 0 53.4	2.457	3.303	10.9	21.4

193879 2001 QQ_{179} 3 18.3 164°.27 0°.4/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.23	− 0 45.1	1.957	2.755	14.3	21.9
2 21	12 15.72	− 0 14.2	1.875	2.763	11.0	21.7
3 2	12 7.98	+ 0 29.7	1.817	2.769	7.1	21.4
3 12	11 58.67	+ 1 22.1	1.786	2.774	2.7	21.2
3 22	11 48.71	+ 2 17.3	1.785	2.779	1.8	21.1
4 1	11 39.14	+ 3 8.7	1.813	2.782	6.2	21.4
4 11	11 30.94	+ 3 50.7	1.868	2.785	10.2	21.6
4 21	11 24.77	+ 4 19.5	1.948	2.787	13.7	21.9

176591 2002 CZ_{172} 3 18.3 290°.50 0°.2/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.39	− 0 11.5	2.429	3.225	12.0	19.9
2 21	12 12.47	− 0 16.2	2.336	3.221	9.2	19.7
3 2	12 5.76	− 0 12.5	2.267	3.217	6.0	19.5
3 12	11 57.78	− 0 2.9	2.225	3.212	2.4	19.2
3 22	11 49.23	+ 0 9.6	2.213	3.208	1.3	19.1
4 1	11 40.91	+ 0 21.6	2.232	3.204	4.9	19.4
4 11	11 33.60	+ 0 29.4	2.278	3.200	8.3	19.6
4 21	11 27.86	+ 0 30.5	2.349	3.196	11.3	19.8

115687 2003 UM_{152} 3 18.3 202°.22 1°.4/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.95	+ 2 29.0	2.281	3.093	12.1	20.7
2 21	12 10.72	+ 3 10.6	2.194	3.091	9.2	20.5
3 2	12 4.67	+ 4 1.8	2.132	3.088	5.8	20.3
3 12	11 57.35	+ 4 57.8	2.097	3.085	2.3	20.0
3 22	11 49.48	+ 5 53.3	2.092	3.082	2.5	20.0
4 1	11 41.86	+ 6 42.7	2.116	3.079	6.0	20.2
4 11	11 35.29	+ 7 21.3	2.167	3.075	9.4	20.4
4 21	11 30.32	+ 7 46.3	2.242	3.071	12.4	20.6

395119 2009 WJ_{125} 3 18.3 89°.37 2°.1/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 19.84	+ 2 21.6	1.295	2.130	18.2	21.1
2 21	12 15.57	+ 3 5.0	1.231	2.139	13.8	20.9
3 2	12 8.28	+ 4 3.5	1.187	2.148	8.7	20.6
3 12	11 58.87	+ 5 9.4	1.168	2.157	3.5	20.3
3 22	11 48.63	+ 6 13.1	1.175	2.166	3.7	20.4
4 1	11 39.06	+ 7 5.0	1.207	2.175	8.8	20.7
4 11	11 31.48	+ 7 38.3	1.263	2.183	13.7	21.0
4 21	11 26.66	+ 7 50.4	1.339	2.192	17.9	21.3

149622 2004 EP_{33} 3 18.3 255°.57 2°.0/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.65	+ 2 4.1	1.554	2.379	16.2	20.6
2 21	12 14.60	+ 2 53.4	1.459	2.363	12.4	20.3
3 2	12 7.76	+ 3 58.7	1.386	2.345	7.9	20.0
3 12	11 58.75	+ 5 13.8	1.339	2.328	3.2	19.7
3 22	11 48.63	+ 6 29.9	1.319	2.309	3.6	19.7
4 1	11 38.70	+ 7 37.4	1.326	2.291	8.6	19.9
4 11	11 30.28	+ 8 28.0	1.357	2.271	13.4	20.1
4 21	11 24.32	+ 8 57.3	1.410	2.252	17.7	20.3

282447 2004 BC_{35} 3 18.3 243°.30 4°.1/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.89	+10 42.7	2.245	3.077	11.6	21.0
2 21	12 9.97	+11 50.1	2.166	3.072	8.8	20.8
3 2	12 4.21	+13 1.9	2.112	3.068	5.9	20.6
3 12	11 57.18	+14 11.5	2.086	3.063	4.1	20.5
3 22	11 49.59	+15 12.2	2.089	3.058	5.3	20.6
4 1	11 42.29	+15 58.3	2.119	3.053	8.0	20.7
4 11	11 36.04	+16 26.5	2.175	3.048	11.0	20.9
4 21	11 31.43	+16 35.6	2.254	3.043	13.7	21.1

410713 2009 BC_{39} 3 18.3 322°.49 0°.1/18.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.40	− 1 13.2	1.350	2.179	17.9	21.5
2 21	12 13.13	− 1 3.7	1.266	2.169	13.9	21.2
3 2	12 6.90	− 0 36.9	1.202	2.159	9.1	20.9
3 12	11 58.42	+ 0 3.1	1.162	2.150	3.7	20.5
3 22	11 48.84	+ 0 49.7	1.147	2.141	2.1	20.4
4 1	11 39.60	+ 1 34.6	1.157	2.133	7.8	20.7
4 11	11 32.08	+ 2 9.4	1.191	2.125	13.0	21.0
4 21	11 27.22	+ 2 28.9	1.245	2.118	17.6	21.2

417712 2007 CJ_{10} 3 18.3 28°.79 0°.9/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.08	− 3 34.1	1.443	2.264	17.5	20.8
2 21	12 11.68	− 3 21.9	1.375	2.272	13.5	20.6
3 2	12 5.66	− 2 51.2	1.328	2.281	8.9	20.3
3 12	11 57.82	− 2 6.2	1.304	2.291	3.9	20.0
3 22	11 49.25	− 1 13.5	1.306	2.301	1.8	19.9
4 1	11 41.20	− 0 21.1	1.334	2.312	6.7	20.3
4 11	11 34.82	+ 0 23.3	1.387	2.324	11.4	20.5
4 21	11 30.82	+ 0 54.2	1.462	2.336	15.4	20.8

382879 2004 LD_{6} 3 18.4 236°.49 6°.3/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.12	−20 27.3	2.598	3.283	14.0	21.7
2 21	12 14.80	−21 6.6	2.478	3.266	12.1	21.5
3 2	12 7.46	−21 28.1	2.380	3.248	9.9	21.3
3 12	11 58.55	−21 29.7	2.306	3.229	7.7	21.1
3 22	11 48.77	−21 10.9	2.259	3.209	6.4	21.0
4 1	11 39.00	−20 33.9	2.241	3.189	6.8	21.0
4 11	11 30.15	−19 43.5	2.252	3.168	8.7	21.1
4 21	11 22.92	−18 45.8	2.288	3.146	11.2	21.2

402537 2006 FN_{43} 3 18.4 340°.64 0°.3/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.00	+ 0 13.5	1.348	2.177	18.0	20.3
2 21	12 15.04	+ 0 16.9	1.270	2.173	13.9	20.0
3 2	12 8.07	+ 0 35.2	1.212	2.170	9.0	19.7
3 12	11 58.86	+ 1 4.0	1.178	2.167	3.6	19.4
3 22	11 48.62	+ 1 36.8	1.170	2.164	2.2	19.3
4 1	11 38.83	+ 2 6.3	1.187	2.162	7.8	19.6
4 11	11 30.87	+ 2 25.6	1.228	2.160	13.0	19.9
4 21	11 25.64	+ 2 30.5	1.290	2.159	17.4	20.1

385629 2005 OU_{18} 3 18.4 307°.02 4°.6/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.70	−11 4.9	2.108	2.866	14.8	20.3
2 21	12 14.06	−11 53.5	1.997	2.846	12.2	20.1
3 2	12 7.15	−12 27.8	1.907	2.825	9.2	19.9
3 12	11 58.47	−12 46.8	1.843	2.806	6.2	19.6
3 22	11 48.81	−12 50.6	1.806	2.786	4.6	19.5
4 1	11 39.18	−12 41.7	1.797	2.767	6.3	19.6
4 11	11 30.62	−12 24.5	1.816	2.747	9.5	19.7
4 21	11 23.93	−12 4.6	1.859	2.729	12.8	19.9

389156 2009 BA_{45} 3 18.4 32°.90 3°.0/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.45	− 8 51.4	2.148	2.919	14.1	20.9
2 21	12 12.01	− 9 10.0	2.060	2.922	11.3	20.7
3 2	12 5.59	− 9 13.5	1.994	2.925	8.1	20.5
3 12	11 57.75	− 9 2.8	1.954	2.927	4.8	20.3
3 22	11 49.29	− 8 40.2	1.942	2.930	3.1	20.2
4 1	11 41.10	− 8 9.9	1.959	2.934	5.3	20.3
4 11	11 34.04	− 7 37.3	2.003	2.937	8.6	20.5
4 21	11 28.76	− 7 7.2	2.071	2.940	11.7	20.7

227020 2004 XS_{155} 3 18.4 346°.84 8°.2/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.76	+19 10.7	1.729	2.578	13.7	19.4
2 21	12 10.45	+20 52.4	1.667	2.574	10.9	19.2
3 2	12 4.78	+22 32.2	1.629	2.570	8.8	19.1
3 12	11 57.46	+23 59.1	1.617	2.567	8.2	19.1
3 22	11 49.46	+25 3.9	1.631	2.564	9.8	19.1
4 1	11 41.89	+25 40.3	1.669	2.562	12.4	19.3
4 11	11 35.78	+25 46.3	1.728	2.560	15.3	19.5
4 21	11 31.80	+25 24.2	1.806	2.559	17.8	19.7

419786 2010 VY_{199} 3 18.4 72°.73 9°.2/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.77	+22 47.1	1.641	2.478	14.9	21.3
2 21	12 16.31	+24 20.3	1.609	2.504	12.1	21.2
3 2	12 8.31	+25 44.1	1.600	2.529	9.9	21.1
3 12	11 58.74	+26 47.8	1.617	2.554	9.3	21.1
3 22	11 48.80	+27 23.8	1.658	2.579	10.6	21.2
4 1	11 39.73	+27 29.1	1.724	2.604	12.8	21.4
4 11	11 32.53	+27 5.0	1.812	2.629	15.3	21.6
4 21	11 27.74	+26 16.1	1.918	2.653	17.5	21.8

138558 2000 QP_{51} 3 18.4 257°.92 1°.0/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.47	+ 1 5.2	2.643	3.447	10.9	20.9
2 21	12 9.49	+ 1 49.2	2.535	3.427	8.3	20.7
3 2	12 3.87	+ 2 43.4	2.452	3.406	5.3	20.4
3 12	11 57.07	+ 3 43.9	2.397	3.385	2.0	20.2
3 22	11 49.68	+ 4 46.0	2.372	3.364	2.0	20.1
4 1	11 42.40	+ 5 44.4	2.378	3.342	5.3	20.3
4 11	11 35.93	+ 6 34.3	2.411	3.320	8.6	20.5
4 21	11 30.82	+ 7 12.4	2.470	3.297	11.5	20.7

278748 2008 SP_{101} 3 18.4 317°.82 2°.8/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.50	+ 5 37.2	1.906	2.736	13.4	21.1
2 21	12 10.74	+ 6 28.9	1.826	2.732	10.1	20.8
3 2	12 4.85	+ 7 29.6	1.769	2.729	6.5	20.6
3 12	11 57.48	+ 8 32.9	1.740	2.726	3.2	20.4
3 22	11 49.46	+ 9 31.8	1.738	2.723	4.0	20.4
4 1	11 41.77	+10 19.6	1.764	2.720	7.6	20.7
4 11	11 35.33	+10 51.4	1.815	2.717	11.3	20.9
4 21	11 30.77	+11 5.1	1.889	2.715	14.5	21.1

146428 2001 QC_{258} 3 18.4 197°.11 3°.8/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.74	+ 9 24.1	2.173	2.997	12.2	20.7
2 21	12 12.95	+10 25.3	2.092	2.994	9.3	20.5
3 2	12 6.16	+11 31.8	2.036	2.991	6.1	20.3
3 12	11 57.98	+12 37.0	2.008	2.987	3.9	20.1
3 22	11 49.19	+13 34.3	2.009	2.983	4.9	20.2
4 1	11 40.70	+14 17.9	2.038	2.978	7.9	20.4
4 11	11 33.38	+14 44.0	2.094	2.972	11.1	20.6
4 21	11 27.84	+14 51.6	2.172	2.966	13.9	20.7

495006 2010 LV_{1} 3 18.4 205°.25 2°.4/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.80	+ 3 50.8	2.163	2.978	12.6	22.5
2 21	12 12.29	+ 5 4.2	2.073	2.972	9.5	22.3
3 2	12 5.79	+ 6 28.7	2.008	2.965	6.0	22.0
3 12	11 57.86	+ 7 58.0	1.972	2.958	2.9	21.8
3 22	11 49.27	+ 9 24.6	1.965	2.950	3.6	21.9
4 1	11 40.92	+10 41.3	1.989	2.941	7.2	22.1
4 11	11 33.68	+11 42.1	2.039	2.931	10.7	22.3
4 21	11 28.19	+12 24.1	2.113	2.921	13.8	22.4

3065 Sarahill 3 18.4 22°.20 2°.3/20.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.88	− 6 44.6	1.754	2.549	15.9	16.4
2 21	12 11.98	− 6 46.9	1.672	2.551	12.6	16.2
3 2	12 5.76	− 6 31.6	1.611	2.553	8.7	16.0
3 12	11 57.88	− 6 0.6	1.575	2.556	4.6	15.7
3 22	11 49.27	− 5 18.4	1.566	2.559	2.4	15.6
4 1	11 41.01	− 4 30.9	1.585	2.562	5.9	15.8
4 11	11 34.14	− 3 45.2	1.629	2.566	10.0	16.1
4 21	11 29.34	− 3 7.2	1.697	2.570	13.7	16.3

436951 2012 TO_{149} 3 18.4 132°.72 2°.7/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.27	+ 8 43.2	2.528	3.344	10.9	21.8
2 21	12 12.21	+ 9 13.7	2.453	3.352	8.2	21.6
3 2	12 5.49	+ 9 47.5	2.404	3.360	5.3	21.5
3 12	11 57.67	+10 20.1	2.384	3.367	2.9	21.3
3 22	11 49.43	+10 47.1	2.394	3.374	3.5	21.4
4 1	11 41.52	+11 4.7	2.433	3.381	6.3	21.6
4 11	11 34.65	+11 10.5	2.499	3.388	9.1	21.7
4 21	11 29.31	+11 3.6	2.589	3.394	11.6	21.9

186041 2001 RU_{126} 3 18.4 104°.58 2°.5/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.35	+ 5 2.9	1.902	2.724	13.8	20.9
2 21	12 13.48	+ 5 51.0	1.838	2.740	10.4	20.7
3 2	12 6.49	+ 6 47.3	1.798	2.756	6.5	20.5
3 12	11 58.09	+ 7 45.5	1.785	2.771	3.0	20.3
3 22	11 49.20	+ 8 38.9	1.800	2.787	3.6	20.3
4 1	11 40.82	+ 9 21.4	1.844	2.802	7.2	20.6
4 11	11 33.82	+ 9 48.8	1.914	2.816	10.8	20.8
4 21	11 28.79	+ 9 59.6	2.007	2.830	13.9	21.1

126884 2002 ET_{98} 3 18.4 195°.72 0°.4/18.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.84	+ 0 26.0	2.061	2.867	13.5	20.1
2 21	12 13.12	+ 0 40.6	1.975	2.866	10.3	19.9
3 2	12 6.33	+ 1 5.7	1.912	2.865	6.6	19.7
3 12	11 58.08	+ 1 37.6	1.876	2.864	2.6	19.4
3 22	11 49.18	+ 2 11.8	1.869	2.863	1.7	19.4
4 1	11 40.60	+ 2 43.0	1.891	2.861	5.9	19.6
4 11	11 33.21	+ 3 6.6	1.939	2.859	9.7	19.9
4 21	11 27.67	+ 3 19.4	2.012	2.858	13.0	20.1

164648 1995 UG_{33} 3 18.4 91°.68 2°.5/15.4 18

2 11	12 14.72	+ 6 35.3	2.407	3.227	11.3	20.3
2 21	12 10.32	+ 7 22.4	2.341	3.243	8.5	20.2
3 2	12 4.29	+ 8 15.0	2.301	3.258	5.4	20.0
3 12	11 57.20	+ 9 7.8	2.289	3.274	2.7	19.9
3 22	11 49.72	+ 9 55.6	2.307	3.290	3.4	19.9
4 1	11 42.61	+10 33.9	2.353	3.305	6.3	20.1
4 11	11 36.55	+10 59.4	2.427	3.320	9.2	20.3
4 21	11 32.00	+11 10.7	2.524	3.335	11.7	20.5

328578 2009 SC_{37} 3 18.4 229°.18 2°.5/21.2 17

2 11	12 14.18	−10 28.2	2.054	2.825	14.7	21.7
2 21	12 10.47	− 9 58.7	1.955	2.818	11.8	21.5
3 2	12 4.71	− 9 8.3	1.878	2.810	8.4	21.3
3 12	11 57.47	− 7 59.1	1.826	2.803	4.7	21.0
3 22	11 49.52	− 6 36.0	1.803	2.795	2.6	20.9
4 1	11 41.79	− 5 5.9	1.809	2.786	5.3	21.1
4 11	11 35.18	− 3 37.2	1.843	2.778	9.2	21.3
4 21	11 30.36	− 2 17.0	1.901	2.769	12.7	21.5

500281 2012 PD_{13} 3 18.4 200°.81 3°.1/21.6 17

2 11	12 17.14	−10 15.5	2.469	3.223	13.0	21.8
2 21	12 12.35	−10 27.0	2.370	3.221	10.5	21.6
3 2	12 5.75	−10 23.9	2.294	3.217	7.6	21.4
3 12	11 57.84	−10 7.0	2.245	3.214	4.7	21.2
3 22	11 49.32	− 9 38.4	2.224	3.210	3.1	21.1
4 1	11 40.99	− 9 1.9	2.233	3.206	4.9	21.2
4 11	11 33.64	− 8 22.4	2.270	3.201	7.9	21.4
4 21	11 27.86	− 7 44.7	2.333	3.196	10.8	21.5

316032 2009 FX_{53} 3 18.4 131°.99 3°.7/14.9 18

2 11	12 20.44	+ 8 24.6	1.879	2.703	13.8	21.5
2 21	12 15.13	+ 9 21.1	1.814	2.717	10.4	21.3
3 2	12 7.59	+10 23.3	1.773	2.729	6.8	21.1
3 12	11 58.55	+11 24.1	1.759	2.741	3.9	21.0
3 22	11 48.97	+12 16.1	1.774	2.753	4.9	21.1
4 1	11 39.91	+12 53.3	1.817	2.763	8.2	21.3
4 11	11 32.30	+13 12.4	1.886	2.774	11.7	21.5
4 21	11 26.77	+13 12.7	1.977	2.783	14.7	21.7

500020 2011 QY_{84} 3 18.4 161°.75 1°.3/19.9 17

2 11	12 15.39	− 5 0.5	2.664	3.441	11.5	22.2
2 21	12 10.80	− 4 56.6	2.573	3.444	9.0	22.0
3 2	12 4.63	− 4 41.7	2.506	3.447	6.1	21.9
3 12	11 57.37	− 4 17.6	2.468	3.450	3.0	21.7
3 22	11 49.63	− 3 47.3	2.458	3.452	1.5	21.5
4 1	11 42.12	− 3 14.7	2.479	3.454	4.3	21.7
4 11	11 35.51	− 2 43.8	2.528	3.456	7.4	21.9
4 21	11 30.30	− 2 18.1	2.604	3.457	10.1	22.1

434328 2004 JD_{11} 3 18.4 315°.99 10°.5/ 4.3 17

2 11	12 14.43	+28 42.0	1.948	2.781	13.0	19.7
2 21	12 11.03	+30 34.6	1.881	2.761	11.4	19.6
3 2	12 5.25	+32 18.5	1.839	2.740	10.5	19.5
3 12	11 57.73	+33 43.0	1.821	2.720	10.9	19.5
3 22	11 49.40	+34 39.4	1.827	2.701	12.4	19.5
4 1	11 41.39	+35 2.6	1.855	2.681	14.5	19.6
4 11	11 34.77	+34 51.9	1.902	2.663	16.7	19.7
4 21	11 30.27	+34 10.5	1.965	2.644	18.7	19.8

168601 2000 AD_{74} 3 18.4 84°.12 1°.7/16.8 18

2 11	12 18.81	+ 1 16.7	1.663	2.482	15.6	19.8
2 21	12 13.98	+ 2 17.3	1.608	2.509	11.7	19.6
3 2	12 6.86	+ 3 30.8	1.577	2.535	7.3	19.4
3 12	11 58.25	+ 4 49.9	1.573	2.562	2.9	19.2
3 22	11 49.19	+ 6 6.0	1.597	2.587	3.0	19.3
4 1	11 40.78	+ 7 11.3	1.649	2.613	7.3	19.6
4 11	11 33.98	+ 8 0.2	1.726	2.638	11.2	19.9
4 21	11 29.34	+ 8 30.2	1.826	2.662	14.5	20.2

462294 2008 FF_{73} 3 18.4 317°.18 2°.4/16.2 17

2 11	12 12.10	+ 2 6.0	1.474	2.314	16.1	21.5
2 21	12 9.64	+ 3 6.9	1.385	2.297	12.3	21.2
3 2	12 4.58	+ 4 25.3	1.318	2.281	7.8	20.9
3 12	11 57.54	+ 5 54.1	1.276	2.265	3.3	20.6
3 22	11 49.50	+ 7 23.3	1.259	2.249	4.0	20.6
4 1	11 41.71	+ 8 42.4	1.269	2.234	8.8	20.9
4 11	11 35.39	+ 9 42.4	1.302	2.220	13.6	21.1
4 21	11 31.41	+10 18.6	1.355	2.206	17.8	21.3

269403 2009 RT_{13} 3 18.4 153°.39 0°.3/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.34	− 2 53.7	2.153	2.948	13.3	21.8
2 21	12 11.86	− 2 21.5	2.070	2.954	10.3	21.6
3 2	12 5.46	− 1 35.7	2.010	2.960	6.7	21.4
3 12	11 57.73	− 0 40.0	1.978	2.965	2.7	21.1
3 22	11 49.45	+ 0 20.1	1.975	2.970	1.4	21.0
4 1	11 41.50	+ 1 18.8	2.002	2.975	5.4	21.3
4 11	11 34.68	+ 2 10.2	2.056	2.979	9.1	21.5
4 21	11 29.60	+ 2 50.2	2.135	2.982	12.3	21.8

28043 Mabelwheeler 3 18.4 79°.21 3°.8/15.4 18

2 11	12 20.04	+ 7 45.1	1.515	2.351	16.0	18.3
2 21	12 15.42	+ 8 27.2	1.446	2.355	12.1	18.1
3 2	12 8.08	+ 9 16.8	1.399	2.359	7.8	17.8
3 12	11 58.84	+10 6.1	1.378	2.363	4.2	17.6
3 22	11 48.84	+10 47.0	1.383	2.367	5.1	17.7
4 1	11 39.40	+11 12.5	1.415	2.371	9.1	17.9
4 11	11 31.69	+11 18.7	1.471	2.375	13.3	18.2
4 21	11 26.46	+11 4.9	1.548	2.379	16.9	18.4

470212 2006 WM_{19} 3 18.4 243°.11 1°.1/19.7 17

2 11	12 14.31	− 4 48.1	2.499	3.282	12.0	21.7
2 21	12 10.17	− 4 36.5	2.400	3.275	9.4	21.5
3 2	12 4.34	− 4 12.5	2.325	3.268	6.3	21.3
3 12	11 57.30	− 3 38.6	2.277	3.261	3.0	21.1
3 22	11 49.70	− 2 58.1	2.259	3.253	1.4	20.9
4 1	11 42.29	− 2 15.4	2.270	3.245	4.6	21.1
4 11	11 35.78	− 1 35.3	2.310	3.237	7.9	21.3
4 21	11 30.74	− 1 1.8	2.374	3.229	10.9	21.5

374488 2005 YO_{90} 3 18.4 154°.23 2°.4/15.8 18

2 11	12 14.90	+ 4 22.0	1.988	2.812	13.2	20.9
2 21	12 10.93	+ 5 20.5	1.910	2.814	9.9	20.7
3 2	12 4.95	+ 6 28.9	1.857	2.815	6.3	20.5
3 12	11 57.55	+ 7 40.8	1.830	2.817	2.9	20.3
3 22	11 49.57	+ 8 49.2	1.833	2.819	3.6	20.3
4 1	11 41.93	+ 9 47.2	1.863	2.820	7.2	20.5
4 11	11 35.50	+10 29.8	1.920	2.822	10.8	20.7
4 21	11 30.89	+10 54.5	2.000	2.823	13.9	21.0

8487 1989 SQ 3 18.4 105°.33 2°.2/20.4 18

2 11	12 21.21	− 7 24.7	1.769	2.550	16.3	17.9
2 21	12 15.82	− 7 15.5	1.701	2.572	12.8	17.8
3 2	12 8.08	− 6 47.6	1.655	2.594	8.8	17.6
3 12	11 58.78	− 6 4.1	1.635	2.615	4.5	17.4
3 22	11 48.91	− 5 10.0	1.643	2.636	2.3	17.2
4 1	11 39.61	− 4 12.2	1.680	2.656	5.8	17.5
4 11	11 31.87	− 3 17.9	1.744	2.675	9.8	17.8
4 21	11 26.32	− 2 32.8	1.831	2.694	13.3	18.0

456742 2007 TU_{26} 3 18.4 78°.86 1°.6/17.1 18

2 11	12 21.04	+ 2 52.9	1.506	2.331	16.6	21.3
2 21	12 16.04	+ 3 17.7	1.444	2.347	12.6	21.1
3 2	12 8.38	+ 3 53.9	1.404	2.362	8.0	20.9
3 12	11 58.92	+ 4 35.3	1.389	2.378	3.1	20.6
3 22	11 48.84	+ 5 14.9	1.401	2.393	3.0	20.6
4 1	11 39.41	+ 5 45.8	1.440	2.408	7.7	20.9
4 11	11 31.77	+ 6 3.1	1.505	2.423	12.0	21.2
4 21	11 26.60	+ 6 4.6	1.591	2.439	15.7	21.5

16349 4062 T-3 3 18.4 245°.65 2°.5/15.8 18

2 11	12 15.71	+ 5 10.6	2.005	2.829	13.1	19.0
2 21	12 11.61	+ 5 59.0	1.920	2.823	9.9	18.8
3 2	12 5.44	+ 6 56.4	1.858	2.816	6.3	18.6
3 12	11 57.78	+ 7 56.9	1.823	2.810	3.0	18.4
3 22	11 49.46	+ 8 54.0	1.817	2.803	3.7	18.4
4 1	11 41.42	+ 9 41.2	1.840	2.796	7.3	18.6
4 11	11 34.57	+10 13.7	1.888	2.790	10.9	18.8
4 21	11 29.55	+10 29.1	1.959	2.782	14.2	19.0

386599 2009 FK_{67} 3 18.4 27°.88 1°.0/19.2 17

2 11	12 17.54	− 2 18.9	2.030	2.829	13.9	20.8
2 21	12 12.90	− 2 29.5	1.949	2.833	10.8	20.6
3 2	12 6.20	− 2 28.7	1.890	2.839	7.1	20.4
3 12	11 58.06	− 2 19.0	1.859	2.844	3.2	20.1
3 22	11 49.33	− 2 3.7	1.855	2.850	1.5	20.0
4 1	11 40.94	− 1 47.0	1.881	2.856	5.4	20.3
4 11	11 33.78	− 1 33.4	1.933	2.862	9.1	20.5
4 21	11 28.47	− 1 26.3	2.009	2.869	12.4	20.7

503236 2015 HQ_{138} 3 18.4 222°.05 2°.9/22.5 17

2 11	12 11.66	−13 23.3	2.667	3.411	12.3	21.0
2 21	12 8.10	−12 55.0	2.564	3.406	10.1	20.9
3 2	12 2.98	−12 8.9	2.483	3.401	7.4	20.7
3 12	11 56.77	−11 6.4	2.429	3.395	4.6	20.5
3 22	11 50.06	− 9 51.1	2.404	3.390	2.9	20.4
4 1	11 43.53	− 8 27.9	2.409	3.384	4.4	20.4
4 11	11 37.85	− 7 3.2	2.443	3.378	7.2	20.6
4 21	11 33.52	− 5 42.8	2.503	3.371	10.0	20.8

428990 2009 AU_{25} 3 18.4 206.°76 4.°0/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.46	−13 47.3	2.481	3.219	13.3	21.6
2 21	12 11.12	−13 58.1	2.381	3.216	11.0	21.4
3 2	12 5.00	−13 52.2	2.303	3.213	8.3	21.2
3 12	11 57.59	−13 29.7	2.250	3.209	5.6	21.0
3 22	11 49.58	−12 52.6	2.226	3.205	4.0	20.9
4 1	11 41.76	−12 4.9	2.231	3.201	5.2	21.0
4 11	11 34.88	−11 11.9	2.264	3.197	7.8	21.2
4 21	11 29.55	−10 19.2	2.323	3.192	10.6	21.3

254518 2005 EX_{89} 3 18.4 292.°24 2.°7/16.4 17

2 11	12 19.27	+ 5 36.0	1.541	2.373	15.9	20.4
2 21	12 15.10	+ 6 2.2	1.450	2.357	12.2	20.1
3 2	12 8.11	+ 6 38.1	1.381	2.341	7.9	19.8
3 12	11 58.98	+ 7 17.7	1.337	2.325	3.6	19.5
3 22	11 48.77	+ 7 53.4	1.320	2.309	4.1	19.5
4 1	11 38.81	+ 8 18.1	1.330	2.293	8.7	19.7
4 11	11 30.42	+ 8 26.4	1.363	2.277	13.4	19.9
4 21	11 24.52	+ 8 16.0	1.417	2.262	17.5	20.1

44479 Oláheszter 3 18.4 202.°88 6.°0/24.9 18

2 11	12 15.56	−18 53.4	2.256	2.972	15.1	19.5
2 21	12 11.44	−19 20.2	2.160	2.971	12.8	19.3
3 2	12 5.33	−19 26.4	2.084	2.970	10.2	19.1
3 12	11 57.76	−19 10.9	2.031	2.969	7.7	19.0
3 22	11 49.50	−18 34.7	2.005	2.967	6.1	18.8
4 1	11 41.45	−17 41.7	2.007	2.966	6.6	18.9
4 11	11 34.49	−16 37.9	2.035	2.965	8.7	19.0
4 21	11 29.26	−15 30.6	2.089	2.963	11.4	19.2

152077 2004 RA_{17} 3 18.4 290.°52 0.°4/18.7 17

2 11	12 14.58	− 3 7.7	1.835	2.642	14.8	20.3
2 21	12 10.96	− 2 37.8	1.747	2.638	11.5	20.0
3 2	12 5.13	− 1 51.7	1.681	2.633	7.5	19.8
3 12	11 57.70	− 0 53.3	1.641	2.628	3.1	19.5
3 22	11 49.54	+ 0 11.5	1.629	2.624	1.6	19.4
4 1	11 41.67	+ 1 15.4	1.644	2.619	6.1	19.6
4 11	11 35.05	+ 2 11.2	1.686	2.614	10.3	19.9
4 21	11 30.40	+ 2 53.9	1.751	2.610	14.0	20.1

222782 2002 CV_{160} 3 18.4 51.°42 6.°5/12.1 18

2 11	12 16.53	+14 51.1	1.710	2.554	14.1	20.1
2 21	12 12.47	+16 10.6	1.651	2.560	10.9	19.9
3 2	12 6.05	+17 31.1	1.615	2.566	7.9	19.7
3 12	11 58.03	+18 42.7	1.606	2.573	6.5	19.7
3 22	11 49.41	+19 37.1	1.623	2.579	7.8	19.8
4 1	11 41.30	+20 8.2	1.665	2.586	10.7	19.9
4 11	11 34.72	+20 13.7	1.731	2.593	13.9	20.2
4 21	11 30.29	+19 55.0	1.817	2.600	16.7	20.4

267737 2003 FB_{91} 3 18.4 295.°14 2.°7/20.3 17

2 11	12 19.97	− 5 41.1	1.815	2.603	15.7	20.3
2 21	12 15.48	− 6 8.3	1.700	2.575	12.6	20.1
3 2	12 8.37	− 6 21.8	1.606	2.546	8.9	19.8
3 12	11 59.14	− 6 21.8	1.538	2.517	4.8	19.4
3 22	11 48.67	− 6 10.2	1.496	2.488	2.8	19.2
4 1	11 38.14	− 5 51.1	1.483	2.459	6.4	19.4
4 11	11 28.80	− 5 30.3	1.497	2.430	10.9	19.6
4 21	11 21.63	− 5 13.3	1.533	2.401	15.1	19.8

177092 2003 FD_{74} 3 18.4 341.°69 5.°5/13.9 17

2 11	12 19.03	+15 16.5	1.848	2.684	13.5	19.5
2 21	12 14.33	+15 42.6	1.769	2.674	10.5	19.2
3 2	12 7.27	+16 7.4	1.713	2.665	7.5	19.0
3 12	11 58.54	+16 24.1	1.684	2.656	5.5	18.9
3 22	11 49.11	+16 26.7	1.681	2.648	6.5	18.9
4 1	11 40.09	+16 11.2	1.705	2.641	9.5	19.1
4 11	11 32.50	+15 36.3	1.754	2.635	12.8	19.3
4 21	11 27.04	+14 43.3	1.824	2.629	15.8	19.5

76611 2000 GY_{165} 3 18.4 199.°08 1.°1/17.1 18

2 11	12 14.50	+ 1 35.3	2.317	3.126	12.0	19.6
2 21	12 10.40	+ 2 14.4	2.230	3.125	9.1	19.4
3 2	12 4.52	+ 3 3.4	2.167	3.123	5.8	19.2
3 12	11 57.41	+ 3 58.0	2.133	3.121	2.2	19.0
3 22	11 49.76	+ 4 52.8	2.127	3.119	2.2	19.0
4 1	11 42.36	+ 5 42.5	2.151	3.117	5.7	19.2
4 11	11 35.98	+ 6 22.4	2.203	3.114	9.1	19.4
4 21	11 31.16	+ 6 49.5	2.278	3.112	12.1	19.6

465692 2009 SC_{281} 3 18.4 203.°88 2.°2/15.7 17

2 11	12 14.49	+ 2 14.3	2.157	2.972	12.6	22.0
2 21	12 10.56	+ 3 39.0	2.069	2.969	9.5	21.8
3 2	12 4.72	+ 5 16.8	2.006	2.964	6.0	21.5
3 12	11 57.52	+ 7 1.0	1.972	2.959	2.7	21.3
3 22	11 49.70	+ 8 43.7	1.968	2.954	3.4	21.4
4 1	11 42.13	+10 16.7	1.993	2.948	7.0	21.6
4 11	11 35.63	+11 33.6	2.046	2.941	10.5	21.8
4 21	11 30.81	+12 30.9	2.122	2.934	13.6	22.0

455566 2004 RM_1 3 18.4 171.°12 3.°4/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 18.10	+ 5 32.7	1.890	2.713	13.8	21.8
2 21	12 13.50	+ 6 57.5	1.814	2.717	10.4	21.6
3 2	12 6.69	+ 8 33.0	1.763	2.721	6.6	21.4
3 12	11 58.31	+10 11.0	1.739	2.723	3.6	21.2
3 22	11 49.28	+11 42.5	1.745	2.725	4.7	21.3
4 1	11 40.63	+12 59.4	1.780	2.727	8.3	21.5
4 11	11 33.32	+13 55.9	1.840	2.727	12.0	21.7
4 21	11 28.00	+14 30.1	1.923	2.727	15.1	21.9

385426 2003 EV_6 3 18.4 36.°64 3.°1/21.2 17

2 11	12 17.41	− 8 7.8	2.029	2.805	14.7	20.0
2 21	12 12.84	− 8 34.1	1.949	2.814	11.7	19.8
3 2	12 6.19	− 8 45.3	1.891	2.824	8.3	19.6
3 12	11 58.10	− 8 42.5	1.859	2.834	4.9	19.4
3 22	11 49.40	− 8 27.8	1.855	2.844	3.1	19.3
4 1	11 41.06	− 8 5.5	1.879	2.854	5.4	19.5
4 11	11 33.95	− 7 40.7	1.930	2.865	8.8	19.7
4 21	11 28.71	− 7 18.3	2.005	2.876	12.0	19.9

74310 1998 TC_{33} 3 18.4 220.°40 0.°7/17.6 18

2 11	12 15.54	+ 0 44.0	2.455	3.257	11.7	20.1
2 21	12 11.14	+ 1 16.7	2.359	3.250	8.9	19.9
3 2	12 5.00	+ 1 59.4	2.288	3.242	5.7	19.7
3 12	11 57.62	+ 2 48.2	2.245	3.233	2.2	19.5
3 22	11 49.67	+ 3 38.5	2.231	3.224	1.8	19.4
4 1	11 41.92	+ 4 25.3	2.248	3.215	5.4	19.6
4 11	11 35.11	+ 5 3.9	2.292	3.205	8.7	19.8
4 21	11 29.81	+ 5 31.3	2.361	3.195	11.7	20.0

110267 2001 SU_{248} 3 18.4 59.°43 1.°8/16.9 18

2 11	12 18.23	+ 3 0.3	1.593	2.420	15.8	19.5
2 21	12 13.78	+ 3 32.6	1.532	2.436	11.9	19.3
3 2	12 6.89	+ 4 15.7	1.494	2.453	7.5	19.1
3 12	11 58.37	+ 5 3.6	1.481	2.470	3.0	18.8
3 22	11 49.29	+ 5 49.2	1.496	2.487	3.0	18.9
4 1	11 40.81	+ 6 25.6	1.538	2.504	7.4	19.2
4 11	11 33.96	+ 6 48.1	1.604	2.522	11.5	19.4
4 21	11 29.35	+ 6 54.4	1.693	2.539	15.0	19.7

264601 2001 UG_{65} 3 18.4 100.°78 6.°0/13.1 18

2 11	12 23.00	+16 36.1	1.900	2.727	13.6	20.3
2 21	12 17.03	+17 25.1	1.844	2.743	10.5	20.1
3 2	12 8.79	+18 11.6	1.812	2.758	7.6	19.9
3 12	11 59.07	+18 47.9	1.808	2.773	6.1	19.9
3 22	11 48.91	+19 7.8	1.831	2.788	7.1	20.0
4 1	11 39.38	+19 7.6	1.882	2.802	9.7	20.1
4 11	11 31.44	+18 46.5	1.957	2.816	12.6	20.4
4 21	11 25.67	+18 6.6	2.054	2.830	15.2	20.6

362422 2010 PZ_{78} 3 18.4 198.°87 1.°4/16.9 17

2 11	12 18.43	+ 1 51.5	2.027	2.836	13.5	21.7
2 21	12 13.68	+ 2 36.8	1.938	2.833	10.3	21.5
3 2	12 6.79	+ 3 33.7	1.874	2.829	6.5	21.2
3 12	11 58.37	+ 4 37.0	1.837	2.825	2.6	21.0
3 22	11 49.25	+ 5 40.4	1.829	2.820	2.6	20.9
4 1	11 40.42	+ 6 37.0	1.850	2.814	6.6	21.2
4 11	11 32.80	+ 7 21.3	1.899	2.807	10.5	21.4
4 21	11 27.08	+ 7 50.1	1.970	2.800	13.9	21.6

348429 2005 OP_{20} 3 18.4 195.°92 4.°3/11.9 18

2 11	12 12.33	+12 40.7	2.655	3.484	10.1	20.9
2 21	12 8.58	+14 7.9	2.579	3.482	7.7	20.7
3 2	12 3.28	+15 38.0	2.530	3.481	5.4	20.6
3 12	11 56.91	+17 4.6	2.510	3.479	4.3	20.5
3 22	11 50.09	+18 21.3	2.520	3.476	5.5	20.6
4 1	11 43.49	+19 23.1	2.559	3.474	7.7	20.7
4 11	11 37.76	+20 6.7	2.624	3.471	10.2	20.9
4 21	11 33.41	+20 31.2	2.711	3.468	12.4	21.0

123764 2001 AW_{43} 3 18.4 285.°06 2.°5/15.8 18

2 11	12 14.73	+ 4 46.6	1.931	2.758	13.4	19.9
2 21	12 10.95	+ 5 38.1	1.847	2.752	10.1	19.7
3 2	12 5.07	+ 6 39.4	1.788	2.747	6.4	19.4
3 12	11 57.70	+ 7 44.4	1.755	2.742	3.0	19.2
3 22	11 49.65	+ 8 46.1	1.751	2.737	3.7	19.3
4 1	11 41.90	+ 9 37.7	1.774	2.732	7.4	19.5
4 11	11 35.37	+10 13.9	1.823	2.727	11.1	19.7
4 21	11 30.71	+10 32.3	1.894	2.722	14.4	19.9

107667 2001 FW_3 3 18.4 280.°07 0.°5/18.0 17

2 11	12 18.73	+ 0 23.3	1.658	2.475	15.7	20.2
2 21	12 14.52	+ 0 36.1	1.563	2.460	12.2	20.0
3 2	12 7.68	+ 1 2.1	1.490	2.445	7.9	19.7
3 12	11 58.84	+ 1 37.5	1.442	2.430	3.1	19.3
3 22	11 48.97	+ 2 16.4	1.421	2.415	2.1	19.2
4 1	11 39.32	+ 2 52.2	1.427	2.399	7.1	19.5
4 11	11 31.08	+ 3 18.5	1.459	2.384	11.8	19.7
4 21	11 25.15	+ 3 31.2	1.513	2.369	16.0	19.9

386185 2007 VH_{89} 3 18.4 126°.43 1°.6/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.75	+ 3 52.3	2.652	3.461	10.7	21.8
2 21	12 10.27	+ 4 38.6	2.579	3.475	8.0	21.6
3 2	12 4.27	+ 5 31.8	2.532	3.488	5.0	21.5
3 12	11 57.29	+ 6 27.5	2.514	3.502	2.2	21.3
3 22	11 49.93	+ 7 20.7	2.527	3.514	2.5	21.3
4 1	11 42.88	+ 8 7.1	2.569	3.527	5.4	21.5
4 11	11 36.76	+ 8 43.0	2.639	3.539	8.3	21.7
4 21	11 32.02	+ 9 6.4	2.734	3.550	10.8	21.9

467857 2010 WK_{50} 3 18.4 339°.49 8°.1/25.5 17

2 11	12 12.45	−19 32.7	1.506	2.257	20.0	20.9
2 21	12 10.06	−20 9.6	1.416	2.249	17.2	20.6
3 2	12 4.97	−20 17.0	1.343	2.241	13.9	20.4
3 12	11 57.81	−19 51.9	1.291	2.235	10.5	20.2
3 22	11 49.59	−18 54.8	1.262	2.228	8.2	20.0
4 1	11 41.61	−17 31.5	1.257	2.223	8.7	20.0
4 11	11 35.17	−15 52.6	1.275	2.218	11.6	20.2
4 21	11 31.18	−14 10.5	1.317	2.214	15.2	20.4

328356 2008 MT 3 18.4 256°.07 6°.9/ 9.9 17

2 11	12 16.96	+18 12.4	2.159	2.991	12.0	20.7
2 21	12 12.66	+19 47.9	2.073	2.972	9.5	20.5
3 2	12 6.22	+21 24.2	2.013	2.951	7.5	20.3
3 12	11 58.20	+22 52.4	1.980	2.931	6.9	20.2
3 22	11 49.39	+24 4.0	1.976	2.909	8.3	20.3
4 1	11 40.78	+24 52.8	1.997	2.887	10.9	20.4
4 11	11 33.31	+25 15.5	2.043	2.865	13.6	20.5
4 21	11 27.69	+25 12.8	2.108	2.842	16.1	20.7

368585 2004 QV_{20} 3 18.4 145°.43 3°.0/22.2 18

2 11	12 17.24	−12 7.1	2.612	3.353	12.6	21.9
2 21	12 12.26	−12 1.5	2.524	3.365	10.2	21.7
3 2	12 5.63	−11 40.0	2.460	3.377	7.5	21.5
3 12	11 57.86	−11 3.9	2.422	3.388	4.7	21.4
3 22	11 49.62	−10 16.2	2.414	3.399	3.0	21.3
4 1	11 41.67	− 9 21.0	2.436	3.408	4.6	21.4
4 11	11 34.70	− 8 23.8	2.487	3.417	7.3	21.6
4 21	11 29.22	− 7 29.6	2.564	3.426	10.0	21.8

231528 2008 SV_{103} 3 18.4 58°.90 0°.4/18.0 17

2 11	12 15.77	− 0 13.3	1.984	2.794	13.7	20.9
2 21	12 11.64	+ 0 10.7	1.902	2.796	10.5	20.7
3 2	12 5.46	+ 0 46.6	1.844	2.798	6.8	20.5
3 12	11 57.85	+ 1 30.4	1.812	2.800	2.6	20.2
3 22	11 49.62	+ 2 16.7	1.808	2.802	1.8	20.1
4 1	11 41.73	+ 2 59.7	1.833	2.805	5.9	20.4
4 11	11 35.05	+ 3 34.0	1.885	2.807	9.8	20.7
4 21	11 30.21	+ 3 56.2	1.960	2.809	13.1	20.9

362455 2010 RC_{125} 3 18.4 268°.54 1°.0/17.6 17

2 11	12 16.97	+ 0 3.6	1.696	2.514	15.4	21.2
2 21	12 13.15	+ 0 42.1	1.597	2.496	11.9	20.9
3 2	12 6.79	+ 1 36.4	1.521	2.478	7.6	20.6
3 12	11 58.50	+ 2 41.8	1.471	2.460	3.0	20.3
3 22	11 49.20	+ 3 51.1	1.448	2.441	2.5	20.2
4 1	11 40.07	+ 4 55.8	1.453	2.422	7.4	20.5
4 11	11 32.28	+ 5 48.3	1.483	2.403	12.1	20.7
4 21	11 26.69	+ 6 23.4	1.535	2.384	16.2	20.9

511900 2015 HE_{30} 3 18.4 273°.59 5°.6/12.0 17

2 11	12 19.18	+18 15.4	2.441	3.263	11.1	21.8
2 21	12 14.03	+19 1.8	2.349	3.243	8.8	21.6
3 2	12 6.93	+19 46.3	2.283	3.223	6.6	21.4
3 12	11 58.44	+20 22.6	2.245	3.203	5.6	21.3
3 22	11 49.29	+20 45.1	2.235	3.182	6.7	21.4
4 1	11 40.38	+20 49.8	2.253	3.161	9.0	21.5
4 11	11 32.52	+20 35.0	2.296	3.140	11.6	21.6
4 21	11 26.37	+20 1.4	2.362	3.118	14.0	21.7

117061 2004 KS_3 3 18.4 254°.97 1°.4/16.7 18

2 11	12 14.34	+ 3 31.0	2.672	3.480	10.6	20.2
2 21	12 10.15	+ 4 5.7	2.569	3.464	8.1	20.0
3 2	12 4.35	+ 4 48.0	2.492	3.448	5.1	19.8
3 12	11 57.40	+ 5 34.1	2.444	3.431	2.1	19.6
3 22	11 49.89	+ 6 19.6	2.425	3.414	2.3	19.6
4 1	11 42.52	+ 6 59.9	2.436	3.397	5.4	19.7
4 11	11 35.98	+ 7 31.2	2.475	3.380	8.5	19.9
4 21	11 30.80	+ 7 50.9	2.539	3.362	11.3	20.1

192910 1999 XG_{233} 3 18.4 158°.26 2°.3/15.2 17

2 11	12 15.61	+ 6 20.5	2.765	3.576	10.3	21.0
2 21	12 10.91	+ 7 19.1	2.688	3.585	7.7	20.9
3 2	12 4.70	+ 8 23.2	2.637	3.593	4.9	20.7
3 12	11 57.49	+ 9 28.2	2.616	3.600	2.6	20.5
3 22	11 49.87	+10 28.8	2.626	3.607	3.2	20.6
4 1	11 42.53	+11 20.5	2.665	3.613	5.9	20.8
4 11	11 36.08	+11 59.8	2.733	3.618	8.6	21.0
4 21	11 30.99	+12 25.0	2.825	3.623	11.0	21.1

75984 2000 DC_2 3 18.4 301°.03 0°.1/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.66	− 1 13.6	2.038	2.846	13.5	19.1
2 21	12 10.85	− 0 52.3	1.946	2.838	10.4	18.9
3 2	12 5.01	− 0 18.3	1.878	2.830	6.8	18.6
3 12	11 57.71	+ 0 24.7	1.835	2.823	2.7	18.4
3 22	11 49.73	+ 1 11.8	1.821	2.815	1.6	18.3
4 1	11 41.99	+ 1 57.2	1.835	2.808	5.8	18.5
4 11	11 35.37	+ 2 35.3	1.876	2.801	9.7	18.7
4 21	11 30.53	+ 3 2.1	1.941	2.794	13.1	18.9

367923 2012 BG_{144} 3 18.4 284°.93 0°.2/18.6 17

2 11	12 17.34	− 1 50.6	1.673	2.485	15.8	21.2
2 21	12 13.56	− 1 33.7	1.569	2.463	12.4	20.9
3 2	12 7.15	− 1 0.7	1.486	2.440	8.2	20.6
3 12	11 58.71	− 0 14.8	1.429	2.417	3.4	20.2
3 22	11 49.14	+ 0 38.2	1.399	2.394	1.8	20.0
4 1	11 39.65	+ 1 31.1	1.396	2.370	7.0	20.3
4 11	11 31.50	+ 2 16.0	1.418	2.347	11.8	20.5
4 21	11 25.59	+ 2 47.5	1.463	2.323	16.2	20.7

235301 2003 UP_{91} 3 18.4 253°.60 1°.3/17.0 17

2 11	12 14.74	+ 1 49.7	2.059	2.875	13.1	20.9
2 21	12 10.84	+ 2 30.3	1.974	2.872	10.0	20.7
3 2	12 4.96	+ 3 21.9	1.912	2.869	6.3	20.5
3 12	11 57.68	+ 4 19.7	1.877	2.866	2.5	20.2
3 22	11 49.78	+ 5 17.6	1.871	2.862	2.5	20.2
4 1	11 42.16	+ 6 9.3	1.893	2.859	6.3	20.5
4 11	11 35.68	+ 6 49.6	1.943	2.856	10.0	20.7
4 21	11 30.95	+ 7 15.4	2.015	2.852	13.3	20.9

60373 2000 AC_{144} 3 18.4 98°.41 2°.7/20.6 18

2 11	12 20.74	− 8 16.0	1.476	2.268	18.5	18.6
2 21	12 16.00	− 8 9.5	1.409	2.285	14.7	18.4
3 2	12 8.52	− 7 40.4	1.362	2.302	10.2	18.1
3 12	11 59.13	− 6 51.5	1.339	2.318	5.4	17.9
3 22	11 49.01	− 5 48.8	1.342	2.334	2.8	17.8
4 1	11 39.51	− 4 40.6	1.372	2.350	6.6	18.0
4 11	11 31.80	− 3 36.4	1.428	2.366	11.1	18.3
4 21	11 26.63	− 2 43.1	1.507	2.380	15.1	18.6

368775 2005 WF_{68} 3 18.4 182°.55 5°.2/24.7 17

2 11	12 16.77	−18 53.8	2.477	3.183	14.1	21.2
2 21	12 12.19	−19 0.9	2.377	3.184	11.9	21.0
3 2	12 5.75	−18 47.7	2.298	3.184	9.4	20.8
3 12	11 57.99	−18 14.0	2.244	3.184	6.9	20.7
3 22	11 49.61	−17 21.3	2.217	3.183	5.3	20.6
4 1	11 41.44	−16 13.8	2.219	3.181	5.9	20.6
4 11	11 34.29	−14 57.9	2.250	3.179	8.1	20.7
4 21	11 28.74	−13 40.4	2.306	3.176	10.7	20.9

247006 1999 VK_{127} 3 18.4 156°.81 0°.2/18.6 18

2 11	12 18.37	− 2 54.9	2.107	2.900	13.7	22.0
2 21	12 13.48	− 2 17.0	2.025	2.908	10.5	21.8
3 2	12 6.59	− 1 24.8	1.967	2.916	6.8	21.6
3 12	11 58.31	− 0 22.6	1.936	2.923	2.8	21.4
3 22	11 49.46	+ 0 44.0	1.934	2.929	1.5	21.3
4 1	11 40.95	+ 1 48.5	1.963	2.934	5.6	21.6
4 11	11 33.66	+ 2 44.8	2.019	2.939	9.3	21.8
4 21	11 28.17	+ 3 28.8	2.099	2.943	12.6	22.0

100344 1995 SY_{51} 3 18.4 277°.19 1°.1/17.6 17

2 11	12 19.26	+ 1 41.6	1.664	2.484	15.5	20.1
2 21	12 14.99	+ 2 0.5	1.566	2.465	12.0	19.9
3 2	12 8.05	+ 2 32.0	1.489	2.446	7.8	19.6
3 12	11 59.06	+ 3 11.6	1.438	2.427	3.1	19.2
3 22	11 48.98	+ 3 53.3	1.414	2.407	2.5	19.1
4 1	11 39.06	+ 4 29.9	1.418	2.388	7.5	19.4
4 11	11 30.54	+ 4 55.1	1.447	2.368	12.2	19.6
4 21	11 24.34	+ 5 5.1	1.497	2.348	16.4	19.8

348968 2006 UY_{78} 3 18.4 127°.64 1°.0/19.6 17

2 11	12 14.48	− 4 39.1	2.667	3.448	11.4	22.0
2 21	12 10.13	− 4 22.1	2.583	3.457	8.9	21.9
3 2	12 4.25	− 3 53.8	2.524	3.467	5.9	21.7
3 12	11 57.34	− 3 16.6	2.492	3.476	2.7	21.5
3 22	11 50.01	− 2 34.1	2.490	3.484	1.3	21.4
4 1	11 42.95	− 1 50.5	2.518	3.493	4.2	21.6
4 11	11 36.78	− 1 10.1	2.575	3.501	7.3	21.8
4 21	11 31.98	− 0 36.4	2.657	3.509	10.0	22.0

332108 2005 UK_{297} 3 18.4 292°.66 5°.6/23.9 17

2 11	12 13.51	−16 31.6	1.804	2.554	17.2	20.8
2 21	12 10.47	−16 38.1	1.700	2.539	14.4	20.6
3 2	12 5.06	−16 19.1	1.615	2.524	11.2	20.3
3 12	11 57.84	−15 33.5	1.553	2.509	7.9	20.1
3 22	11 49.68	−14 23.6	1.517	2.494	5.7	19.9
4 1	11 41.66	−12 55.2	1.507	2.480	6.8	20.0
4 11	11 34.89	−11 18.0	1.524	2.465	10.2	20.1
4 21	11 30.18	− 9 41.8	1.564	2.451	13.9	20.3

131805 2002 AE_{64} 3 18.4 21°.96 1°.0/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.14	− 4 7.7	1.170	2.004	19.8	19.1
2 21	12 11.58	− 3 49.9	1.106	2.010	15.4	18.9
3 2	12 5.98	− 3 8.7	1.061	2.017	10.2	18.6
3 12	11 58.21	− 2 9.3	1.038	2.025	4.5	18.3
3 22	11 49.53	− 1 0.1	1.039	2.034	2.0	18.2
4 1	11 41.47	+ 0 8.1	1.064	2.044	7.7	18.5
4 11	11 35.36	+ 1 5.1	1.113	2.055	13.0	18.9
4 21	11 32.01	+ 1 44.4	1.181	2.066	17.5	19.2

119567 2001 VV_{79} 3 18.4 63°.35 5°.3/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.09	−18 23.8	1.754	2.497	17.8	19.4
2 21	12 9.94	−18 0.9	1.674	2.508	14.9	19.2
3 2	12 4.53	−17 8.7	1.614	2.520	11.4	19.0
3 12	11 57.54	−15 48.1	1.576	2.532	7.9	18.9
3 22	11 49.91	−14 3.9	1.565	2.543	5.4	18.7
4 1	11 42.71	−12 5.1	1.582	2.555	6.4	18.8
4 11	11 36.90	−10 2.8	1.625	2.567	9.6	19.0
4 21	11 33.14	− 8 7.5	1.693	2.579	13.0	19.3

117531 2005 CU_{59} 3 18.4 297°.26 1°.6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.17	+ 0 12.8	1.509	2.339	16.3	19.7
2 21	12 11.18	+ 1 10.9	1.423	2.329	12.5	19.4
3 2	12 5.59	+ 2 27.5	1.359	2.319	8.0	19.2
3 12	11 58.06	+ 3 56.1	1.320	2.309	3.1	18.8
3 22	11 49.59	+ 5 27.2	1.307	2.299	3.1	18.8
4 1	11 41.41	+ 6 50.3	1.321	2.289	8.1	19.1
4 11	11 34.72	+ 7 56.5	1.360	2.280	12.9	19.3
4 21	11 30.35	+ 8 40.7	1.419	2.271	17.1	19.5

253600 2003 UY_{10} 3 18.4 184°.71 0°.6/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.96	− 5 10.9	2.083	2.870	14.0	21.5
2 21	12 12.53	− 4 24.1	1.992	2.871	10.9	21.3
3 2	12 6.06	− 3 19.9	1.924	2.871	7.2	21.0
3 12	11 58.14	− 2 2.5	1.884	2.870	3.1	20.8
3 22	11 49.57	− 0 37.9	1.873	2.868	1.4	20.6
4 1	11 41.28	+ 0 46.5	1.892	2.866	5.5	20.9
4 11	11 34.15	+ 2 3.3	1.939	2.863	9.5	21.1
4 21	11 28.82	+ 3 7.0	2.011	2.859	12.9	21.4

67384 2000 OK_{17} 3 18.4 228°.60 3°.4/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.23	+ 9 4.4	2.549	3.373	10.6	19.7
2 21	12 9.36	+10 12.7	2.463	3.366	8.0	19.6
3 2	12 3.87	+11 26.4	2.403	3.359	5.3	19.4
3 12	11 57.23	+12 39.6	2.372	3.351	3.4	19.2
3 22	11 50.08	+13 46.5	2.370	3.343	4.4	19.3
4 1	11 43.14	+14 41.7	2.397	3.334	7.0	19.4
4 11	11 37.10	+15 21.3	2.452	3.326	9.8	19.6
4 21	11 32.47	+15 43.9	2.529	3.317	12.4	19.8

504251 2006 UO_{334} 3 18.4 152°.61 2°.5/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.90	−11 3.3	2.666	3.420	12.1	22.2
2 21	12 9.01	−10 44.6	2.574	3.425	9.7	22.1
3 2	12 3.59	−10 10.4	2.504	3.429	7.0	21.9
3 12	11 57.10	− 9 22.3	2.462	3.433	4.2	21.7
3 22	11 50.16	− 8 23.7	2.448	3.436	2.5	21.6
4 1	11 43.45	− 7 19.2	2.464	3.440	4.3	21.7
4 11	11 37.61	− 6 14.3	2.509	3.443	7.1	21.9
4 21	11 33.12	− 5 13.8	2.581	3.446	9.8	22.1

92396 2000 JM_{21} 3 18.4 231°.31 2°.2/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.36	− 7 8.8	1.769	2.555	16.1	20.5
2 21	12 14.89	− 7 0.8	1.670	2.544	12.9	20.3
3 2	12 7.89	− 6 33.6	1.593	2.533	8.9	20.0
3 12	11 58.98	− 5 49.1	1.541	2.522	4.6	19.7
3 22	11 49.08	− 4 51.7	1.516	2.509	2.4	19.6
4 1	11 39.37	− 3 48.1	1.520	2.497	6.2	19.8
4 11	11 31.01	− 2 46.7	1.550	2.483	10.7	20.0
4 21	11 24.85	− 1 54.2	1.603	2.469	14.7	20.2

279569 2011 DJ_{8} 3 18.4 37°.34 1°.6/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.69	+ 1 9.6	1.654	2.482	15.2	20.6
2 21	12 10.39	+ 2 4.7	1.585	2.490	11.5	20.4
3 2	12 4.81	+ 3 13.9	1.538	2.497	7.2	20.2
3 12	11 57.66	+ 4 30.6	1.517	2.506	2.9	19.9
3 22	11 49.87	+ 5 46.6	1.523	2.514	3.0	19.9
4 1	11 42.54	+ 6 53.4	1.556	2.523	7.3	20.2
4 11	11 36.62	+ 7 44.6	1.615	2.532	11.4	20.5
4 21	11 32.77	+ 8 16.8	1.695	2.542	15.0	20.7

87792 2000 SG_{124} 3 18.4 153°.94 0°.1/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.34	− 1 52.9	2.395	3.188	12.2	20.8
2 21	12 11.71	− 1 15.3	2.312	3.196	9.3	20.7
3 2	12 5.36	− 0 25.9	2.253	3.204	6.0	20.5
3 12	11 57.82	+ 0 31.3	2.223	3.211	2.4	20.2
3 22	11 49.80	+ 1 31.6	2.223	3.217	1.4	20.2
4 1	11 42.07	+ 2 29.3	2.253	3.223	5.1	20.4
4 11	11 35.37	+ 3 19.5	2.311	3.228	8.5	20.6
4 21	11 30.23	+ 3 58.7	2.394	3.233	11.4	20.8

206764 2004 CR_{22} 3 18.4 29°.58 2°.4/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.39	+ 3 47.8	2.066	2.891	12.7	20.0
2 21	12 9.02	+ 4 55.3	1.988	2.893	9.5	19.8
3 2	12 3.77	+ 6 13.1	1.936	2.895	6.0	19.6
3 12	11 57.22	+ 7 35.0	1.910	2.897	2.8	19.4
3 22	11 50.13	+ 8 53.6	1.914	2.900	3.5	19.5
4 1	11 43.34	+10 2.1	1.946	2.902	7.0	19.7
4 11	11 37.66	+10 55.1	2.004	2.905	10.4	19.9
4 21	11 33.67	+11 29.8	2.084	2.907	13.5	20.1

32320 2000 QN_{51} 3 18.4 266°.62 2°.0/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.23	+ 3 37.7	2.337	3.156	11.6	19.1
2 21	12 8.76	+ 4 39.9	2.247	3.148	8.8	18.9
3 2	12 3.56	+ 5 51.9	2.182	3.140	5.5	18.7
3 12	11 57.14	+ 7 8.4	2.145	3.132	2.5	18.5
3 22	11 50.17	+ 8 23.2	2.137	3.124	3.1	18.5
4 1	11 43.40	+ 9 29.8	2.159	3.115	6.4	18.7
4 11	11 37.58	+10 23.3	2.207	3.107	9.7	18.9
4 21	11 33.27	+11 0.8	2.279	3.099	12.6	19.1

346688 2008 YJ_{109} 3 18.4 5°.13 1°.9/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.80	+ 3 38.2	1.880	2.708	13.7	20.9
2 21	12 10.27	+ 4 16.7	1.803	2.708	10.4	20.7
3 2	12 4.66	+ 5 5.1	1.749	2.708	6.6	20.5
3 12	11 57.60	+ 5 57.9	1.721	2.709	2.8	20.2
3 22	11 49.92	+ 6 48.7	1.721	2.711	3.1	20.3
4 1	11 42.59	+ 7 31.1	1.749	2.713	6.9	20.5
4 11	11 36.51	+ 8 0.2	1.802	2.715	10.7	20.7
4 21	11 32.29	+ 8 13.5	1.877	2.718	14.0	20.9

384247 2009 DW_{123} 3 18.4 145°.91 1°.5/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.77	− 6 5.6	1.306	2.122	19.2	20.8
2 21	12 13.40	− 3 46.0	1.231	2.129	14.7	20.5
3 2	12 7.08	− 0 51.9	1.180	2.137	9.3	20.2
3 12	11 58.66	+ 2 25.2	1.154	2.143	3.4	19.9
3 22	11 49.34	+ 5 47.2	1.158	2.149	3.5	19.9
4 1	11 40.56	+ 8 54.0	1.190	2.155	9.3	20.3
4 11	11 33.62	+11 30.0	1.248	2.159	14.6	20.6
4 21	11 29.34	+13 27.7	1.327	2.163	18.9	20.9

463146 2011 YO_{41} 3 18.4 78°.33 3°.6/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.35	+ 6 45.9	1.517	2.353	16.0	21.7
2 21	12 14.83	+ 7 38.8	1.457	2.366	12.0	21.5
3 2	12 7.70	+ 8 40.3	1.419	2.379	7.7	21.3
3 12	11 58.81	+ 9 42.0	1.407	2.392	4.0	21.1
3 22	11 49.29	+10 35.4	1.421	2.405	4.9	21.2
4 1	11 40.40	+11 13.2	1.462	2.418	8.9	21.4
4 11	11 33.23	+11 31.2	1.528	2.431	12.9	21.7
4 21	11 28.45	+11 28.6	1.614	2.444	16.4	22.0

153130 2000 SO_{141} 3 18.4 245°.82 2°.3/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.15	− 6 25.0	2.184	2.957	13.9	20.6
2 21	12 15.06	− 6 39.4	2.077	2.943	11.1	20.4
3 2	12 7.80	− 6 40.3	1.992	2.928	7.7	20.2
3 12	11 58.91	− 6 28.9	1.935	2.913	4.2	19.9
3 22	11 49.18	− 6 7.5	1.906	2.898	2.4	19.8
4 1	11 39.56	− 5 40.1	1.907	2.882	5.4	19.9
4 11	11 31.01	− 5 11.9	1.936	2.865	9.1	20.1
4 21	11 24.28	− 4 47.6	1.989	2.849	12.6	20.3

264640 2001 WE_{76} 3 18.4 126°.08 2°.0/16.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.34	+ 4 14.6	2.022	2.838	13.3	21.8
2 21	12 13.49	+ 4 56.4	1.951	2.850	10.0	21.6
3 2	12 6.61	+ 5 46.6	1.903	2.860	6.3	21.4
3 12	11 58.34	+ 6 39.8	1.883	2.871	2.8	21.2
3 22	11 49.56	+ 7 29.8	1.893	2.881	3.1	21.2
4 1	11 41.19	+ 8 10.9	1.930	2.890	6.7	21.4
4 11	11 34.10	+ 8 38.7	1.995	2.900	10.3	21.7
4 21	11 28.88	+ 8 51.4	2.083	2.909	13.4	21.9

67012 1999 XL_{124} 3 18.4 215°.12 2°.4/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.24	+ 6 48.3	2.365	3.179	11.7	19.2
2 21	12 13.27	+ 7 21.8	2.275	3.172	8.9	19.0
3 2	12 6.44	+ 8 1.1	2.210	3.166	5.7	18.8
3 12	11 58.30	+ 8 41.3	2.173	3.158	2.8	18.6
3 22	11 49.56	+ 9 17.4	2.166	3.151	3.4	18.6
4 1	11 41.07	+ 9 44.7	2.189	3.143	6.5	18.8
4 11	11 33.62	+ 9 59.9	2.238	3.134	9.7	19.0
4 21	11 27.82	+10 1.2	2.312	3.125	12.6	19.1

461396 2001 SF_{125} 3 18.4 191°.48 0°.8/19.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.25	− 5 37.4	2.102	2.891	13.8	22.2
2 21	12 11.23	− 4 52.1	2.010	2.890	10.8	22.0
3 2	12 5.24	− 3 49.4	1.942	2.888	7.2	21.8
3 12	11 57.84	− 2 33.1	1.901	2.886	3.2	21.5
3 22	11 49.81	− 1 9.2	1.889	2.884	1.4	21.4
4 1	11 42.05	+ 0 15.1	1.906	2.881	5.4	21.6
4 11	11 35.40	+ 1 32.5	1.951	2.877	9.3	21.9
4 21	11 30.49	+ 2 37.5	2.021	2.873	12.7	22.1

135383 2001 TZ_{165} 3 18.4 201°.45 0°.6/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.43	− 3 50.4	2.936	3.715	10.5	20.9
2 21	12 10.06	− 3 28.0	2.836	3.710	8.2	20.7
3 2	12 4.23	− 2 55.0	2.762	3.706	5.4	20.5
3 12	11 57.40	− 2 14.0	2.715	3.700	2.4	20.3
3 22	11 50.11	− 1 28.3	2.700	3.694	1.1	20.2
4 1	11 42.98	− 0 42.0	2.715	3.688	4.1	20.4
4 11	11 36.63	+ 0 1.0	2.759	3.681	7.0	20.6
4 21	11 31.52	+ 0 37.1	2.829	3.674	9.7	20.7

457720 2009 FP_{60} 3 18.4 300°.74 0°.4/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.48	− 2 23.0	1.500	2.320	17.0	21.4
2 21	12 13.04	− 2 6.2	1.411	2.308	13.2	21.1
3 2	12 6.88	− 1 31.6	1.343	2.297	8.7	20.8
3 12	11 58.65	− 0 42.9	1.298	2.286	3.6	20.5
3 22	11 49.38	+ 0 13.4	1.280	2.275	1.8	20.3
4 1	11 40.37	+ 1 9.2	1.288	2.265	7.2	20.7
4 11	11 32.90	+ 1 56.1	1.321	2.254	12.2	20.9
4 21	11 27.86	+ 2 28.4	1.375	2.244	16.5	21.1

157688 2005 YX_{210} 3 18.4 174°.05 3°.2/15.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.83	+ 8 1.4	2.029	2.854	12.9	20.1
2 21	12 13.20	+ 8 43.8	1.952	2.855	9.8	19.9
3 2	12 6.49	+ 9 31.8	1.899	2.856	6.3	19.7
3 12	11 58.35	+10 19.5	1.873	2.856	3.5	19.5
3 22	11 49.60	+11 0.7	1.875	2.857	4.3	19.5
4 1	11 41.21	+11 30.0	1.906	2.857	7.5	19.7
4 11	11 34.07	+11 43.8	1.963	2.857	11.0	19.9
4 21	11 28.79	+11 41.1	2.042	2.857	14.0	20.1

105597 2000 RA_{91} 3 18.4 246°.89 3°.9/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.97	−17 42.9	2.661	3.379	13.0	20.2
2 21	12 8.47	−17 10.0	2.548	3.368	10.8	20.0
3 2	12 3.35	−16 15.9	2.457	3.357	8.3	19.9
3 12	11 57.09	−15 1.5	2.392	3.345	5.7	19.7
3 22	11 50.28	−13 30.0	2.356	3.333	4.0	19.5
4 1	11 43.63	−11 46.6	2.350	3.321	4.8	19.6
4 11	11 37.83	− 9 58.6	2.373	3.309	7.3	19.7
4 21	11 33.41	− 8 13.0	2.424	3.296	10.1	19.9

498971 2009 BW_{133} 3 18.4 66°.24 6°.2/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.36	−17 59.7	2.154	2.873	15.6	21.5
2 21	12 13.63	−18 46.3	2.071	2.884	13.2	21.4
3 2	12 6.81	−19 13.0	2.009	2.896	10.5	21.2
3 12	11 58.49	−19 18.3	1.971	2.908	7.9	21.1
3 22	11 49.51	−19 3.1	1.959	2.920	6.3	21.0
4 1	11 40.84	−18 30.5	1.975	2.932	6.8	21.0
4 11	11 33.38	−17 46.5	2.017	2.944	9.0	21.2
4 21	11 27.78	−16 57.8	2.084	2.956	11.6	21.4

280237 2002 VT_{39} 3 18.4 159°.07 5°.2/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.81	+19 23.0	2.931	3.750	9.5	21.5
2 21	12 11.80	+20 29.0	2.867	3.758	7.5	21.4
3 2	12 5.30	+21 32.3	2.831	3.765	5.8	21.3
3 12	11 57.80	+22 27.1	2.824	3.771	5.3	21.3
3 22	11 49.93	+23 8.9	2.845	3.777	6.2	21.3
4 1	11 42.36	+23 34.2	2.895	3.782	8.0	21.5
4 11	11 35.72	+23 42.0	2.971	3.787	9.9	21.6
4 21	11 30.45	+23 32.6	3.068	3.791	11.7	21.7

326362 2000 UD_{19} 3 18.4 169°.18 0°.2/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.51	− 4 38.6	2.424	3.209	12.3	20.8
2 21	12 10.38	− 3 36.1	2.334	3.214	9.5	20.6
3 2	12 4.55	− 2 18.4	2.270	3.217	6.2	20.4
3 12	11 57.55	− 0 49.8	2.234	3.220	2.5	20.2
3 22	11 50.06	+ 0 43.8	2.228	3.223	1.3	20.1
4 1	11 42.82	+ 2 15.5	2.253	3.225	5.0	20.3
4 11	11 36.55	+ 3 38.9	2.307	3.226	8.4	20.5
4 21	11 31.78	+ 4 49.3	2.387	3.227	11.4	20.7

313153 2001 DX_{54} 3 18.4 135°.18 0°.3/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.95	− 2 33.7	1.928	2.724	14.6	22.1
2 21	12 14.84	− 2 7.9	1.852	2.737	11.3	21.9
3 2	12 7.55	− 1 27.8	1.799	2.749	7.3	21.7
3 12	11 58.77	− 0 37.7	1.773	2.760	3.0	21.5
3 22	11 49.39	+ 0 17.0	1.776	2.771	1.5	21.4
4 1	11 40.45	+ 1 9.8	1.808	2.781	5.8	21.7
4 11	11 32.87	+ 1 54.7	1.868	2.791	9.8	21.9
4 21	11 27.27	+ 2 27.8	1.951	2.800	13.2	22.2

318066 2004 FX_{136} 3 18.4 256°.27 7°.1/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.93	+16 5.2	1.810	2.653	13.5	20.1
2 21	12 12.17	+17 49.8	1.737	2.644	10.6	19.9
3 2	12 6.06	+19 36.7	1.689	2.635	8.0	19.7
3 12	11 58.25	+21 15.4	1.667	2.625	7.2	19.6
3 22	11 49.66	+22 35.9	1.672	2.616	8.8	19.7
4 1	11 41.39	+23 30.8	1.703	2.606	11.6	19.8
4 11	11 34.50	+23 56.8	1.756	2.596	14.7	20.0
4 21	11 29.69	+23 54.6	1.828	2.586	17.5	20.2

222334 2000 UK_{81} 3 18.4 111°.51 0°.9/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.15	+ 0 26.7	2.262	3.065	12.5	21.2
2 21	12 12.33	+ 1 13.6	2.195	3.086	9.5	21.1
3 2	12 5.74	+ 2 11.0	2.152	3.106	6.0	20.9
3 12	11 58.00	+ 3 13.9	2.138	3.126	2.3	20.7
3 22	11 49.85	+ 4 16.6	2.153	3.146	2.0	20.7
4 1	11 42.10	+ 5 13.6	2.199	3.165	5.6	21.0
4 11	11 35.51	+ 5 59.9	2.272	3.183	8.9	21.2
4 21	11 30.55	+ 6 33.1	2.369	3.201	11.8	21.4

55962 1998 HA_{152} 3 18.4 338°.82 4°.6/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.08	+13 25.8	1.925	2.753	13.4	18.5
2 21	12 15.85	+13 41.2	1.843	2.746	10.3	18.3
3 2	12 8.29	+13 56.3	1.786	2.738	7.1	18.1
3 12	11 59.10	+14 5.1	1.755	2.732	4.7	17.9
3 22	11 49.22	+14 2.4	1.751	2.726	5.5	17.9
4 1	11 39.74	+13 44.6	1.776	2.720	8.6	18.1
4 11	11 31.66	+13 10.2	1.827	2.715	12.0	18.3
4 21	11 25.67	+12 20.1	1.899	2.710	15.0	18.5

192538 1998 SE_{97} 3 18.4 179°.93 1°.1/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.00	+ 0 10.9	1.796	2.606	15.0	21.3
2 21	12 15.16	+ 0 56.5	1.714	2.607	11.5	21.1
3 2	12 7.92	+ 1 56.5	1.654	2.609	7.3	20.8
3 12	11 58.98	+ 3 5.4	1.621	2.609	2.8	20.5
3 22	11 49.28	+ 4 15.9	1.616	2.609	2.4	20.5
4 1	11 39.94	+ 5 20.2	1.640	2.608	6.9	20.8
4 11	11 32.02	+ 6 11.6	1.691	2.606	11.2	21.0
4 21	11 26.23	+ 6 46.2	1.764	2.603	14.8	21.2

501483 2014 CU_{2} 3 18.4 38°.79 8°.0/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.17	−19 50.1	2.134	2.829	16.4	20.2
2 21	12 19.03	−21 25.8	2.048	2.838	14.1	20.0
3 2	12 10.44	−22 43.2	1.983	2.848	11.7	19.9
3 12	12 0.02	−23 38.4	1.942	2.858	9.4	19.7
3 22	11 48.68	−24 9.4	1.929	2.868	8.1	19.7
4 1	11 37.55	−24 17.0	1.943	2.879	8.5	19.7
4 11	11 27.74	−24 6.1	1.983	2.890	10.2	19.8
4 21	11 20.05	−23 43.2	2.048	2.901	12.5	20.0

336838 2011 FR_{11} 3 18.4 295°.73 2°.7/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.41	+ 5 31.9	1.930	2.757	13.4	21.2
2 21	12 11.51	+ 6 19.9	1.848	2.753	10.1	21.0
3 2	12 5.50	+ 7 16.7	1.790	2.749	6.5	20.8
3 12	11 58.00	+ 8 16.2	1.759	2.745	3.1	20.5
3 22	11 49.83	+ 9 11.6	1.756	2.742	3.8	20.6
4 1	11 41.97	+ 9 56.4	1.781	2.738	7.5	20.8
4 11	11 35.35	+10 25.8	1.831	2.734	11.1	21.0
4 21	11 30.60	+10 37.7	1.904	2.731	14.4	21.2

198921 2005 US_{160} 3 18.5 213°.30 2°.7/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.46	+ 3 40.5	1.597	2.423	15.8	20.8
2 21	12 15.10	+ 4 37.6	1.514	2.418	12.0	20.5
3 2	12 8.08	+ 5 48.3	1.454	2.413	7.7	20.3
3 12	11 59.10	+ 7 5.2	1.419	2.407	3.4	20.0
3 22	11 49.21	+ 8 19.3	1.413	2.400	4.1	20.0
4 1	11 39.67	+ 9 21.6	1.433	2.394	8.5	20.3
4 11	11 31.68	+10 5.3	1.479	2.386	13.0	20.5
4 21	11 26.06	+10 27.4	1.545	2.378	16.9	20.7

429199 2009 WP_{118} 3 18.5 63°.11 2°.2/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.75	− 7 41.7	1.796	2.585	15.8	21.8
2 21	12 11.82	− 7 29.6	1.722	2.597	12.5	21.6
3 2	12 5.70	− 6 58.7	1.670	2.610	8.6	21.4
3 12	11 58.06	− 6 11.8	1.643	2.623	4.5	21.2
3 22	11 49.82	− 5 14.0	1.643	2.636	2.3	21.0
4 1	11 42.00	− 4 12.0	1.671	2.649	5.6	21.3
4 11	11 35.56	− 3 13.3	1.726	2.663	9.5	21.5
4 21	11 31.11	− 2 23.8	1.804	2.676	13.1	21.8

64714 2001 XP_{99} 3 18.5 82°.66 0°.6/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.94	− 2 51.4	1.818	2.621	15.1	19.5
2 21	12 13.42	− 2 35.1	1.746	2.634	11.7	19.3
3 2	12 6.69	− 2 4.2	1.697	2.647	7.6	19.1
3 12	11 58.44	− 1 22.6	1.674	2.661	3.2	18.9
3 22	11 49.61	− 0 35.7	1.679	2.674	1.5	18.8
4 1	11 41.24	+ 0 10.2	1.712	2.687	5.9	19.1
4 11	11 34.27	+ 0 49.3	1.772	2.701	9.9	19.3
4 21	11 29.33	+ 1 17.2	1.855	2.714	13.4	19.6

240004 2001 SN_{351} 3 18.5 153°.62 3°.7/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.47	+11 2.4	2.613	3.437	10.4	21.0
2 21	12 10.20	+12 4.7	2.540	3.442	7.9	20.9
3 2	12 4.36	+13 9.8	2.494	3.447	5.3	20.7
3 12	11 57.47	+14 12.1	2.477	3.452	3.7	20.6
3 22	11 50.15	+15 6.4	2.488	3.457	4.6	20.7
4 1	11 43.11	+15 48.0	2.529	3.461	7.0	20.8
4 11	11 37.01	+16 14.2	2.597	3.464	9.6	21.0
4 21	11 32.33	+16 24.1	2.687	3.468	11.9	21.2

39796 1997 *TD* 3 18.5 239°.74 1°.9/16.3 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 19.66	+ 2 1.0	2.307	3.108	12.4	20.7
2 21	12 14.64	+ 3 11.9	2.194	3.085	9.5	20.5
3 2	12 7.54	+ 4 36.2	2.106	3.060	6.0	20.2
3 12	11 58.86	+ 6 8.6	2.047	3.034	2.6	19.9
3 22	11 49.33	+ 7 42.0	2.019	3.007	3.1	19.9
4 1	11 39.84	+ 9 8.8	2.023	2.979	6.8	20.1
4 11	11 31.32	+10 22.2	2.055	2.949	10.6	20.3
4 21	11 24.48	+11 18.1	2.111	2.917	13.9	20.4

119312 2001 SR_{70} 3 18.5 209°.23 6°.9/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.45	+19 37.0	2.113	2.940	12.4	19.7
2 21	12 15.24	+20 48.1	2.041	2.935	9.9	19.5
3 2	12 7.84	+21 56.4	1.994	2.930	7.7	19.4
3 12	11 58.92	+22 53.6	1.974	2.924	6.9	19.3
3 22	11 49.36	+23 32.7	1.982	2.918	8.1	19.4
4 1	11 40.18	+23 49.0	2.017	2.912	10.5	19.5
4 11	11 32.32	+23 41.2	2.075	2.905	13.1	19.7
4 21	11 26.44	+23 10.9	2.154	2.897	15.5	19.8

369752 2012 FE_{63} 3 18.5 305°.99 3°.9/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.16	+ 6 20.8	1.592	2.434	15.1	21.3
2 21	12 11.08	+ 7 33.7	1.510	2.422	11.4	21.0
3 2	12 5.50	+ 8 58.7	1.450	2.411	7.4	20.8
3 12	11 58.08	+10 27.3	1.416	2.401	4.2	20.5
3 22	11 49.79	+11 49.5	1.409	2.390	5.4	20.6
4 1	11 41.79	+12 55.8	1.428	2.380	9.4	20.8
4 11	11 35.23	+13 39.9	1.470	2.370	13.6	21.0
4 21	11 30.89	+13 59.2	1.533	2.360	17.3	21.2

125941 2001 XC_{241} 3 18.5 82°.09 2°.1/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.59	+ 4 1.6	1.805	2.628	14.3	19.9
2 21	12 13.20	+ 4 38.5	1.733	2.636	10.9	19.7
3 2	12 6.58	+ 5 25.0	1.685	2.643	6.9	19.5
3 12	11 58.42	+ 6 15.1	1.662	2.650	2.9	19.2
3 22	11 49.64	+ 7 2.4	1.668	2.657	3.2	19.3
4 1	11 41.31	+ 7 40.5	1.702	2.665	7.2	19.5
4 11	11 34.36	+ 8 4.7	1.761	2.672	11.0	19.8
4 21	11 29.46	+ 8 12.9	1.843	2.679	14.4	20.0

349948 2010 CC_{69} 3 18.5 342°.60 1°.8/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.51	− 2 30.3	1.104	1.942	20.5	20.5
2 21	12 14.70	− 2 59.4	1.027	1.932	16.2	20.2
3 2	12 8.41	− 3 10.8	0.968	1.924	11.0	19.8
3 12	11 59.41	− 3 6.2	0.930	1.916	5.1	19.5
3 22	11 49.03	− 2 50.2	0.915	1.910	2.5	19.3
4 1	11 39.04	− 2 30.0	0.924	1.905	8.2	19.6
4 11	11 31.13	− 2 13.9	0.954	1.901	14.1	19.9
4 21	11 26.40	− 2 8.3	1.004	1.898	19.1	20.2

504199 2006 TM_{115} 3 18.5 219°.68 3°.9/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.05	+12 31.6	2.784	3.608	9.8	22.1
2 21	12 9.89	+13 38.0	2.699	3.600	7.5	22.0
3 2	12 4.20	+14 46.9	2.641	3.591	5.2	21.8
3 12	11 57.43	+15 52.9	2.611	3.582	3.9	21.7
3 22	11 50.19	+16 50.5	2.612	3.573	4.9	21.8
4 1	11 43.14	+17 35.2	2.641	3.564	7.2	21.9
4 11	11 36.93	+18 4.1	2.697	3.554	9.6	22.0
4 21	11 32.06	+18 16.3	2.776	3.544	11.9	22.2

91035 1998 EM_{21} 3 18.5 20°.30 0°.9/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.91	+ 3 13.6	1.609	2.429	15.9	18.8
2 21	12 16.82	+ 3 3.5	1.533	2.432	12.2	18.6
3 2	12 9.09	+ 3 1.9	1.479	2.436	7.9	18.3
3 12	11 59.47	+ 3 4.9	1.451	2.440	3.1	18.1
3 22	11 49.08	+ 3 8.0	1.450	2.444	2.3	18.0
4 1	11 39.17	+ 3 6.5	1.477	2.449	7.0	18.3
4 11	11 30.91	+ 2 56.6	1.529	2.454	11.5	18.6
4 21	11 25.04	+ 2 36.3	1.604	2.459	15.3	18.8

123102 2000 SU_{344} 3 18.5 182°.76 4°.9/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.30	+14 4.3	2.297	3.123	11.6	20.3
2 21	12 13.37	+15 10.1	2.224	3.124	8.9	20.1
3 2	12 6.53	+16 17.2	2.175	3.124	6.3	19.9
3 12	11 58.38	+17 18.7	2.155	3.123	4.9	19.9
3 22	11 49.68	+18 8.2	2.164	3.122	6.0	19.9
4 1	11 41.32	+18 40.9	2.201	3.121	8.5	20.1
4 11	11 34.10	+18 54.4	2.264	3.119	11.3	20.2
4 21	11 28.60	+18 48.6	2.348	3.116	13.8	20.4

102094 1999 RH_{156} 3 18.5 245°.97 1°.5/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.16	− 6 33.3	2.724	3.496	11.4	20.2
2 21	12 10.05	− 6 23.0	2.618	3.484	9.0	20.0
3 2	12 4.36	− 6 0.4	2.535	3.472	6.2	19.8
3 12	11 57.52	− 5 27.1	2.480	3.460	3.2	19.6
3 22	11 50.14	− 4 46.2	2.454	3.447	1.6	19.4
4 1	11 42.88	− 4 1.7	2.458	3.434	4.3	19.6
4 11	11 36.43	− 3 18.1	2.491	3.421	7.4	19.8
4 21	11 31.31	− 2 39.6	2.550	3.407	10.2	20.0

267374 2001 XS_{167} 3 18.5 137°.43 1°.9/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.78	+ 4 2.0	2.269	3.080	12.2	21.8
2 21	12 12.87	+ 4 51.7	2.197	3.093	9.2	21.6
3 2	12 6.15	+ 5 49.5	2.149	3.105	5.8	21.4
3 12	11 58.20	+ 6 50.0	2.130	3.117	2.6	21.2
3 22	11 49.80	+ 7 47.5	2.141	3.128	2.9	21.2
4 1	11 41.76	+ 8 36.5	2.181	3.139	6.2	21.5
4 11	11 34.86	+ 9 12.8	2.249	3.149	9.5	21.7
4 21	11 29.63	+ 9 34.4	2.341	3.159	12.3	21.9

239835 1999 FU_{10} 3 18.5 5°.27 0°.4/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.35	− 2 48.8	1.704	2.521	15.3	20.2
2 21	12 9.42	− 2 24.5	1.626	2.521	11.9	20.0
3 2	12 4.28	− 1 44.0	1.569	2.522	7.8	19.7
3 12	11 57.55	− 0 51.4	1.537	2.524	3.2	19.5
3 22	11 50.14	+ 0 7.1	1.532	2.527	1.6	19.3
4 1	11 43.08	+ 1 4.2	1.554	2.530	6.2	19.7
4 11	11 37.35	+ 1 53.0	1.601	2.534	10.4	19.9
4 21	11 33.61	+ 2 28.5	1.671	2.539	14.1	20.1

287122 2002 RU_{181} 3 18.5 144°.57 0°.2/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.01	− 9 59.9	1.257	2.062	20.4	20.5
2 21	12 12.98	− 7 55.0	1.180	2.069	15.9	20.2
3 2	12 6.93	− 5 9.8	1.124	2.075	10.5	19.9
3 12	11 58.70	− 1 53.7	1.094	2.081	4.3	19.6
3 22	11 49.52	+ 1 36.2	1.091	2.086	2.2	19.4
4 1	11 40.87	+ 4 58.5	1.117	2.090	8.5	19.8
4 11	11 34.12	+ 7 54.2	1.169	2.094	14.1	20.1
4 21	11 30.11	+10 12.7	1.243	2.098	18.8	20.4

22240 4039 $T\text{-}_3$ 3 18.5 277°.29 1°.9/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.64	+ 1 25.7	1.339	2.174	17.7	18.3
2 21	12 14.27	+ 2 10.7	1.255	2.163	13.6	18.1
3 2	12 7.86	+ 3 13.8	1.191	2.151	8.7	17.7
3 12	11 59.13	+ 4 28.2	1.150	2.139	3.5	17.4
3 22	11 49.23	+ 5 44.2	1.136	2.128	3.5	17.4
4 1	11 39.64	+ 6 51.0	1.147	2.116	9.0	17.6
4 11	11 31.78	+ 7 39.7	1.181	2.104	14.2	17.9
4 21	11 26.63	+ 8 5.6	1.235	2.093	18.8	18.1

299857 2006 SW_{261} 3 18.5 143°.32 1°.4/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.64	− 7 30.1	2.558	3.333	12.0	21.3
2 21	12 8.90	− 6 59.3	2.469	3.337	9.5	21.1
3 2	12 3.59	− 6 13.9	2.403	3.341	6.5	20.9
3 12	11 57.20	− 5 16.7	2.364	3.345	3.3	20.7
3 22	11 50.35	− 4 11.7	2.355	3.348	1.6	20.6
4 1	11 43.74	− 3 4.1	2.376	3.352	4.3	20.8
4 11	11 38.02	− 1 59.5	2.425	3.355	7.5	21.0
4 21	11 33.69	− 1 2.5	2.500	3.359	10.3	21.2

30490 2000 QP_{33} 3 18.5 236°.90 7°.1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.83	+22 38.7	2.409	3.237	11.0	17.9
2 21	12 11.51	+23 57.9	2.344	3.234	9.0	17.8
3 2	12 5.34	+25 12.3	2.305	3.230	7.5	17.7
3 12	11 57.91	+26 14.6	2.292	3.226	7.2	17.7
3 22	11 49.97	+26 58.7	2.307	3.222	8.3	17.7
4 1	11 42.35	+27 20.6	2.348	3.218	10.3	17.8
4 11	11 35.83	+27 19.2	2.411	3.214	12.4	18.0
4 21	11 30.98	+26 56.1	2.495	3.209	14.4	18.1

331176 2011 AU_{28} 3 18.5 87°.30 2°.5/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.73	+ 3 53.4	1.813	2.638	14.2	21.0
2 21	12 12.46	+ 4 55.0	1.751	2.655	10.7	20.8
3 2	12 6.04	+ 6 6.7	1.713	2.671	6.7	20.6
3 12	11 58.20	+ 7 21.6	1.701	2.688	3.1	20.4
3 22	11 49.84	+ 8 31.8	1.717	2.704	3.7	20.5
4 1	11 41.98	+ 9 30.3	1.762	2.721	7.4	20.7
4 11	11 35.52	+10 12.0	1.833	2.737	11.1	21.0
4 21	11 31.03	+10 34.9	1.925	2.752	14.2	21.2

157702 2006 AZ_{21} 3 18.5 235°.99 7°.1/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.23	+22 33.0	2.402	3.223	11.3	20.1
2 21	12 14.93	+23 43.4	2.324	3.209	9.2	20.0
3 2	12 7.61	+24 49.5	2.270	3.195	7.6	19.8
3 12	11 58.85	+25 43.7	2.244	3.180	7.2	19.8
3 22	11 49.45	+26 19.7	2.246	3.165	8.3	19.8
4 1	11 40.34	+26 33.3	2.275	3.149	10.4	19.9
4 11	11 32.39	+26 23.4	2.327	3.133	12.7	20.1
4 21	11 26.22	+25 51.5	2.400	3.117	14.8	20.2

363055 1999 VK_{105} 3 18.5 220°.30 2°.0/20.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.93	− 7 58.2	2.082	2.856	14.4	21.8
2 21	12 13.44	− 7 40.3	1.980	2.847	11.5	21.6
3 2	12 6.81	− 7 4.7	1.901	2.837	8.0	21.3
3 12	11 58.59	− 6 13.1	1.847	2.827	4.2	21.1
3 22	11 49.58	− 5 10.0	1.822	2.815	2.1	20.9
4 1	11 40.74	− 4 1.3	1.827	2.803	5.4	21.1
4 11	11 33.04	− 2 54.4	1.859	2.791	9.3	21.3
4 21	11 27.17	− 1 55.4	1.917	2.777	12.9	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
192546 1998 TE_1			3 18.5 284°.25		2°.8/16.5 18	
	h m	° ′			°	m
2 11	12 19.97	+ 4 54.9	1.391	2.227	17.1	20.4
2 21	12 16.00	+ 5 26.7	1.305	2.214	13.1	20.1
3 2	12 8.96	+ 6 10.5	1.239	2.200	8.5	19.8
3 12	11 59.58	+ 6 59.6	1.198	2.186	3.8	19.4
3 22	11 49.01	+ 7 45.3	1.183	2.172	4.3	19.4
4 1	11 38.73	+ 8 19.0	1.194	2.159	9.3	19.7
4 11	11 30.19	+ 8 34.5	1.228	2.145	14.3	19.9
4 21	11 24.37	+ 8 29.1	1.282	2.131	18.7	20.1
123756 2001 AY_{36}			3 18.5 78°.83		3°.8/21.9 18	
2 11	12 21.01	−10 21.7	1.946	2.708	15.7	20.1
2 21	12 15.68	−10 50.9	1.873	2.727	12.7	19.9
3 2	12 8.13	−11 2.8	1.822	2.745	9.2	19.7
3 12	11 59.06	−10 57.7	1.796	2.764	5.7	19.5
3 22	11 49.39	−10 38.2	1.798	2.783	3.8	19.5
4 1	11 40.18	−10 8.6	1.829	2.802	5.8	19.6
4 11	11 32.37	− 9 35.0	1.886	2.820	9.1	19.8
4 21	11 26.58	− 9 3.0	1.969	2.838	12.2	20.1
219681 2001 WH_{18}			3 18.5 204°.05		1°.4/19.9 17	
2 11	12 16.72	− 6 14.6	2.186	2.966	13.6	21.5
2 21	12 12.35	− 5 52.1	2.090	2.962	10.7	21.3
3 2	12 6.00	− 5 13.9	2.017	2.958	7.3	21.1
3 12	11 58.24	− 4 22.4	1.971	2.953	3.5	20.9
3 22	11 49.81	− 3 22.2	1.953	2.947	1.6	20.7
4 1	11 41.60	− 2 19.2	1.966	2.941	5.1	20.9
4 11	11 34.48	− 1 19.6	2.006	2.935	8.9	21.2
4 21	11 29.07	− 0 28.7	2.071	2.928	12.2	21.3
350946 2002 VD_{61}			3 18.5 168°.96		0°.1/18.4 18	
2 11	12 22.03	− 1 45.1	1.823	2.622	15.2	22.2
2 21	12 16.67	− 1 15.9	1.741	2.627	11.8	22.0
3 2	12 8.90	− 0 32.0	1.681	2.632	7.6	21.8
3 12	11 59.42	+ 0 22.4	1.648	2.636	3.1	21.5
3 22	11 49.19	+ 1 21.1	1.644	2.638	1.7	21.4
4 1	11 39.35	+ 2 16.9	1.669	2.640	6.4	21.7
4 11	11 30.96	+ 3 3.4	1.721	2.641	10.7	22.0
4 21	11 24.73	+ 3 36.4	1.796	2.641	14.3	22.2
141091 2001 XZ_{42}			3 18.5 132°.53		7°.8/30.4 18	
2 11	12 18.80	−31 46.3	3.172	3.757	13.2	20.8
2 21	12 13.54	−32 35.1	3.081	3.771	11.9	20.6
3 2	12 6.58	−33 4.4	3.009	3.785	10.5	20.5
3 12	11 58.43	−33 12.0	2.959	3.799	9.1	20.5
3 22	11 49.73	−32 57.4	2.934	3.811	8.1	20.4
4 1	11 41.23	−32 22.1	2.934	3.824	7.8	20.4
4 11	11 33.63	−31 30.1	2.962	3.836	8.3	20.5
4 21	11 27.49	−30 27.0	3.014	3.847	9.5	20.5
458831 2011 UE_{28}			3 18.5 171°.60		2°.3/20.6 18	
2 11	12 20.43	− 7 58.1	1.945	2.719	15.3	22.5
2 21	12 15.38	− 7 49.6	1.857	2.723	12.2	22.3
3 2	12 8.05	− 7 23.2	1.791	2.726	8.5	22.0
3 12	11 59.08	− 6 40.9	1.750	2.729	4.5	21.8
3 22	11 49.38	− 5 47.0	1.739	2.731	2.4	21.6
4 1	11 40.00	− 4 47.5	1.756	2.732	5.6	21.9
4 11	11 31.93	− 3 49.7	1.801	2.732	9.6	22.1
4 21	11 25.89	− 2 59.6	1.870	2.732	13.1	22.3
86844 2000 GW_{170}			3 18.5 203°.22		0°.2/18.3 18	
2 11	12 22.77	− 0 18.3	1.839	2.640	15.0	20.3
2 21	12 17.34	− 0 4.3	1.748	2.636	11.6	20.0
3 2	12 9.42	+ 0 22.3	1.680	2.631	7.6	19.8
3 12	11 59.67	+ 0 57.7	1.638	2.626	3.0	19.5
3 22	11 49.05	+ 1 36.7	1.625	2.619	1.8	19.4
4 1	11 38.72	+ 2 13.2	1.641	2.612	6.5	19.7
4 11	11 29.79	+ 2 41.5	1.684	2.604	10.9	19.9
4 21	11 23.05	+ 2 57.8	1.750	2.596	14.6	20.1
157480 2005 QD_{71}			3 18.5 115°.19		0°.4/18.1 18	
2 11	12 22.02	+ 0 39.0	2.277	3.070	12.8	20.9
2 21	12 16.00	+ 0 54.1	2.208	3.092	9.7	20.7
3 2	12 8.11	+ 1 18.3	2.164	3.114	6.2	20.5
3 12	11 59.00	+ 1 47.8	2.148	3.135	2.4	20.3
3 22	11 49.47	+ 2 18.4	2.162	3.156	1.6	20.3
4 1	11 40.41	+ 2 45.8	2.207	3.175	5.3	20.6
4 11	11 32.57	+ 3 6.0	2.280	3.194	8.7	20.8
4 21	11 26.51	+ 3 16.8	2.378	3.213	11.6	21.0
247754 2003 PU			3 18.5 267°.27		9°.3/23.4 17	
2 11	12 28.71	−17 43.8	1.711	2.431	19.0	20.2
2 21	12 22.74	−19 33.1	1.606	2.418	16.5	19.9
3 2	12 13.51	−21 5.5	1.522	2.404	13.6	19.7
3 12	12 1.54	−22 14.9	1.461	2.390	10.8	19.5
3 22	11 47.91	−22 56.5	1.426	2.376	9.3	19.4
4 1	11 34.14	−23 9.4	1.417	2.362	10.2	19.4
4 11	11 21.84	−22 58.5	1.434	2.347	12.9	19.5
4 21	11 12.27	−22 32.3	1.474	2.333	16.2	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
326985 2004 PV_{20}			3 18.5 247°.60		1°.9/16.2 17	
	h m	° ′			°	m
2 11	12 14.41	+ 1 43.6	2.118	2.933	12.8	21.4
2 21	12 10.71	+ 2 55.4	2.020	2.919	9.7	21.2
3 2	12 5.03	+ 4 21.0	1.947	2.904	6.2	20.9
3 12	11 57.89	+ 5 54.4	1.902	2.890	2.6	20.7
3 22	11 50.04	+ 7 28.3	1.886	2.874	3.1	20.7
4 1	11 42.35	+ 8 54.5	1.899	2.859	6.9	20.9
4 11	11 35.71	+10 6.3	1.940	2.843	10.6	21.1
4 21	11 30.78	+10 59.7	2.004	2.826	13.9	21.3
455265 2001 VS_4			3 18.5 207°.08		2°.9/21.3 18	
2 11	12 20.62	−10 18.5	2.156	2.912	14.5	21.9
2 21	12 15.46	−10 10.1	2.052	2.905	11.8	21.7
3 2	12 8.11	− 9 43.4	1.970	2.897	8.4	21.5
3 12	11 59.15	− 8 59.4	1.914	2.887	4.9	21.2
3 22	11 49.37	− 8 1.5	1.888	2.877	2.9	21.1
4 1	11 39.76	− 6 55.3	1.891	2.866	5.4	21.2
4 11	11 31.28	− 5 47.9	1.923	2.853	9.1	21.4
4 21	11 24.67	− 4 45.7	1.980	2.840	12.6	21.6
54925 2001 OT_{98}			3 18.5 234°.15		3°.6/21.3 18	
2 11	12 21.54	− 9 23.8	1.745	2.518	16.8	19.3
2 21	12 16.74	− 9 41.1	1.644	2.507	13.7	19.1
3 2	12 9.25	− 9 39.3	1.564	2.495	9.9	18.8
3 12	11 59.70	− 9 18.7	1.509	2.483	5.9	18.5
3 22	11 49.04	− 8 41.6	1.481	2.470	3.7	18.4
4 1	11 38.52	− 7 53.6	1.480	2.456	6.5	18.5
4 11	11 29.40	− 7 2.3	1.507	2.442	10.8	18.7
4 21	11 22.58	− 6 15.0	1.556	2.427	14.8	18.9
245169 2004 TE_{109}			3 18.5 94°.16		2°.1/20.4 18	
2 11	12 19.87	− 7 55.6	1.611	2.400	17.4	20.8
2 21	12 15.12	− 7 32.5	1.547	2.422	13.6	20.6
3 2	12 7.89	− 6 48.1	1.503	2.444	9.3	20.3
3 12	11 59.00	− 5 46.0	1.484	2.465	4.7	20.1
3 22	11 49.52	− 4 32.8	1.493	2.486	2.3	20.0
4 1	11 40.63	− 3 16.9	1.529	2.507	6.1	20.3
4 11	11 33.39	− 2 7.1	1.592	2.527	10.3	20.6
4 21	11 28.44	− 1 9.7	1.679	2.546	14.1	20.9
49864 1999 XS_{104}			3 18.5 4°.16		4°.3/15.6 18	
2 11	12 19.40	+ 7 16.0	1.220	2.069	18.2	17.6
2 21	12 15.68	+ 8 0.7	1.153	2.069	13.9	17.3
3 2	12 8.75	+ 8 55.6	1.107	2.069	9.0	17.0
3 12	11 59.48	+ 9 51.4	1.083	2.069	4.8	16.8
3 22	11 49.22	+10 37.9	1.085	2.070	5.7	16.8
4 1	11 39.56	+11 6.2	1.111	2.071	10.4	17.1
4 11	11 31.93	+11 11.3	1.159	2.073	15.2	17.3
4 21	11 27.22	+10 52.7	1.226	2.075	19.4	17.6
83269 2001 RG_{78}			3 18.5 282°.97		0°.6/17.9 18	
2 11	12 17.70	+ 1 46.3	2.233	3.039	12.6	18.8
2 21	12 13.04	+ 1 53.2	2.140	3.031	9.6	18.6
3 2	12 6.43	+ 2 8.5	2.070	3.024	6.2	18.4
3 12	11 58.43	+ 2 28.8	2.029	3.017	2.4	18.1
3 22	11 49.79	+ 2 50.3	2.016	3.010	1.7	18.0
4 1	11 41.38	+ 3 8.7	2.032	3.002	5.6	18.3
4 11	11 34.04	+ 3 20.0	2.076	2.995	9.2	18.5
4 21	11 28.40	+ 3 21.7	2.145	2.988	12.4	18.7
5052 Nancyruth			3 18.5 172°.34		1°.8/20.1 18	R
2 11	12 21.89	− 6 3.1	1.909	2.689	15.3	18.9
2 21	12 16.53	− 5 57.1	1.821	2.693	12.1	18.7
3 2	12 8.82	− 5 34.6	1.756	2.696	8.3	18.5
3 12	11 59.42	− 4 58.0	1.717	2.699	4.1	18.2
3 22	11 49.26	− 4 11.6	1.707	2.701	2.0	18.1
4 1	11 39.43	− 3 21.4	1.726	2.702	5.7	18.3
4 11	11 30.97	− 2 34.0	1.772	2.702	9.8	18.5
4 21	11 24.60	− 1 54.9	1.843	2.701	13.5	18.8
66857 1999 VQ_{25}			3 18.5 229°.25		2°.1/20.7 18	
2 11	12 15.39	− 7 56.0	2.168	2.945	13.8	19.2
2 21	12 11.39	− 7 43.0	2.072	2.940	11.0	19.0
3 2	12 5.43	− 7 13.5	1.997	2.934	7.7	18.8
3 12	11 58.05	− 6 29.4	1.949	2.928	4.1	18.6
3 22	11 50.00	− 5 34.6	1.929	2.922	2.2	18.4
4 1	11 42.16	− 4 34.7	1.939	2.916	5.1	18.6
4 11	11 35.39	− 3 36.0	1.976	2.909	8.7	18.8
4 21	11 30.31	− 2 44.2	2.037	2.902	12.1	19.0
436679 2011 SR_{126}			3 18.5 212°.51		1°.7/16.2 17	
2 11	12 14.74	+ 5 10.5	2.775	3.585	10.3	21.8
2 21	12 10.40	+ 5 45.3	2.685	3.580	7.7	21.7
3 2	12 4.54	+ 6 26.1	2.620	3.575	4.9	21.5
3 12	11 57.64	+ 7 8.9	2.583	3.570	2.2	21.3
3 22	11 50.26	+ 7 49.4	2.577	3.564	2.6	21.3
4 1	11 43.09	+ 8 23.6	2.601	3.558	5.4	21.5
4 11	11 36.75	+ 8 48.2	2.652	3.551	8.3	21.6
4 21	11 31.73	+ 9 1.2	2.728	3.545	10.8	21.8

38819 2000 RX_{75} 3 18.5 178°.52 2°.5/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 21.11	− 7 31.1	1.876	2.653	15.7	19.0
2 21	12 16.02	− 7 36.2	1.787	2.655	12.5	18.8
3 2	12 8.55	− 7 24.1	1.720	2.656	8.7	18.6
3 12	11 59.34	− 6 56.4	1.679	2.657	4.7	18.4
3 22	11 49.32	− 6 16.7	1.665	2.657	2.6	18.2
4 1	11 39.62	− 5 30.6	1.680	2.656	5.8	18.4
4 11	11 31.27	− 4 44.8	1.722	2.655	9.8	18.6
4 21	11 25.04	− 4 5.3	1.789	2.653	13.5	18.9

455511 2003 WW_{44} 3 18.5 123°.82 0°.6/19.1 18

2 11	12 21.00	− 3 16.3	1.962	2.753	14.6	22.3
2 21	12 15.60	− 2 55.8	1.890	2.770	11.3	22.1
3 2	12 8.06	− 2 21.2	1.840	2.787	7.4	21.9
3 12	11 59.06	− 1 36.1	1.818	2.804	3.2	21.7
3 22	11 49.52	− 0 46.0	1.824	2.819	1.4	21.5
4 1	11 40.44	+ 0 3.3	1.860	2.834	5.6	21.9
4 11	11 32.74	+ 0 46.0	1.924	2.848	9.5	22.1
4 21	11 27.02	+ 1 17.9	2.012	2.862	12.8	22.4

471921 2013 FC_{28} 3 18.5 255°.91 0°.1/20.2 15

2 11	11 55.11	− 3 48.4	46.346	47.116	0.8	22.0
2 21	11 54.57	− 3 44.9	46.246	47.114	0.6	22.0
3 2	11 53.96	− 3 40.8	46.173	47.112	0.4	22.0
3 12	11 53.31	− 3 36.3	46.129	47.110	0.2	21.9
3 22	11 52.64	− 3 31.4	46.115	47.108	0.1	21.9
4 1	11 51.99	− 3 26.5	46.130	47.106	0.3	22.0
4 11	11 51.36	− 3 21.6	46.175	47.104	0.5	22.0
4 21	11 50.79	− 3 17.0	46.248	47.102	0.6	22.0

117927 4739 P–L 3 18.5 159°.51 0°.1/18.4 18

2 11	12 21.38	− 0 47.0	1.819	2.621	15.1	20.5
2 21	12 16.18	− 0 30.7	1.738	2.627	11.6	20.3
3 2	12 8.61	− 0 1.5	1.680	2.631	7.5	20.1
3 12	11 59.34	+ 0 36.7	1.648	2.636	3.0	19.8
3 22	11 49.35	+ 1 18.5	1.645	2.639	1.7	19.7
4 1	11 39.75	+ 1 57.8	1.670	2.642	6.3	20.0
4 11	11 31.60	+ 2 28.7	1.722	2.645	10.5	20.3
4 21	11 25.59	+ 2 47.7	1.798	2.647	14.2	20.5

284869 2009 CG_{55} 3 18.5 287°.29 2°.8/15.1 17

2 11	12 12.23	+ 5 6.3	2.184	3.010	12.1	20.5
2 21	12 8.94	+ 6 19.1	2.097	3.002	9.1	20.3
3 2	12 3.82	+ 7 41.8	2.035	2.994	5.8	20.1
3 12	11 57.41	+ 9 8.0	2.001	2.986	3.0	19.9
3 22	11 50.39	+10 30.6	1.996	2.978	3.9	19.9
4 1	11 43.60	+11 42.4	2.019	2.970	7.2	20.1
4 11	11 37.82	+12 38.3	2.069	2.962	10.5	20.3
4 21	11 33.64	+13 15.4	2.141	2.955	13.5	20.5

118106 2343 T-$_3$ 3 18.5 147°.31 0°.2/18.7 18

2 11	12 15.69	− 2 0.4	2.410	3.203	12.1	20.6
2 21	12 11.29	− 1 35.8	2.325	3.209	9.3	20.4
3 2	12 5.19	− 1 0.0	2.265	3.214	6.1	20.2
3 12	11 57.91	− 0 16.4	2.233	3.220	2.5	20.0
3 22	11 50.14	+ 0 30.7	2.230	3.224	1.3	19.9
4 1	11 42.64	+ 1 16.5	2.256	3.229	4.9	20.1
4 11	11 36.14	+ 1 56.3	2.311	3.233	8.2	20.3
4 21	11 31.16	+ 2 26.6	2.391	3.237	11.2	20.5

323108 2002 YV_8 3 18.5 162°.41 6°.9/25.9 18

2 11	12 19.12	−21 49.7	2.232	2.923	15.9	20.6
2 21	12 14.30	−22 20.8	2.139	2.928	13.7	20.5
3 2	12 7.35	−22 29.3	2.065	2.933	11.2	20.3
3 12	11 58.84	−22 13.6	2.015	2.937	8.7	20.2
3 22	11 49.61	−21 34.2	1.991	2.941	7.1	20.1
4 1	11 40.62	−20 34.8	1.994	2.944	7.3	20.1
4 11	11 32.83	−19 22.3	2.024	2.947	9.2	20.2
4 21	11 26.90	−18 4.4	2.080	2.949	11.7	20.4

152565 1992 SH_{11} 3 18.5 217°.12 0°.1/18.4 18

2 11	12 19.62	− 2 11.3	1.617	2.426	16.4	21.2
2 21	12 15.28	− 1 39.3	1.528	2.420	12.7	21.0
3 2	12 8.28	− 0 49.6	1.461	2.414	8.3	20.7
3 12	11 59.29	+ 0 13.4	1.420	2.407	3.4	20.4
3 22	11 49.35	+ 1 22.6	1.405	2.400	1.9	20.3
4 1	11 39.70	+ 2 29.4	1.419	2.392	7.1	20.6
4 11	11 31.56	+ 3 25.6	1.458	2.383	11.8	20.8
4 21	11 25.76	+ 4 6.0	1.519	2.374	16.0	21.1

161248 2003 CQ_{17} 3 18.5 30°.51 0°.8/19.1 18

2 11	12 17.50	− 2 6.3	1.280	2.109	18.8	19.9
2 21	12 13.86	− 2 9.7	1.223	2.124	14.5	19.7
3 2	12 7.34	− 1 55.7	1.185	2.140	9.5	19.4
3 12	11 58.86	− 1 28.5	1.170	2.158	4.1	19.2
3 22	11 49.66	− 0 54.5	1.181	2.176	1.8	19.1
4 1	11 41.16	− 0 21.3	1.217	2.195	7.1	19.5
4 11	11 34.57	+ 0 4.1	1.276	2.215	12.0	19.8
4 21	11 30.61	+ 0 17.1	1.357	2.236	16.1	20.1

212558 2006 SM_{50} 3 18.5 92°.26 1°.3/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.58	− 4 28.9	2.335	3.119	12.7	20.2
2 21	12 12.06	− 4 30.2	2.248	3.123	10.0	20.0
3 2	12 5.73	− 4 19.4	2.184	3.127	6.7	19.8
3 12	11 58.15	− 3 58.9	2.148	3.131	3.3	19.6
3 22	11 50.02	− 3 31.7	2.141	3.135	1.5	19.4
4 1	11 42.17	− 3 2.2	2.163	3.139	4.7	19.7
4 11	11 35.35	− 2 34.6	2.213	3.142	8.1	19.9
4 21	11 30.12	− 2 12.9	2.288	3.146	11.2	20.1

93779 2000 WT_{30} 3 18.5 105°.54 1°.8/16.6 18 R

2 11	12 15.71	+ 2 28.6	1.974	2.792	13.5	19.9
2 21	12 11.63	+ 3 23.0	1.902	2.802	10.2	19.7
3 2	12 5.54	+ 4 28.3	1.854	2.811	6.4	19.5
3 12	11 58.08	+ 5 38.5	1.833	2.821	2.7	19.3
3 22	11 50.08	+ 6 46.7	1.840	2.830	2.9	19.3
4 1	11 42.46	+ 7 46.3	1.877	2.839	6.7	19.5
4 11	11 36.09	+ 8 31.9	1.939	2.848	10.3	19.8
4 21	11 31.53	+ 9 0.7	2.025	2.857	13.5	20.0

232309 2002 TO_{31} 3 18.5 151°.87 0°.5/18.1 18

2 11	12 20.67	− 1 38.4	1.710	2.516	15.8	21.9
2 21	12 15.75	− 0 54.0	1.634	2.525	12.1	21.7
3 2	12 8.36	+ 0 6.8	1.581	2.533	7.8	21.5
3 12	11 59.26	+ 1 18.3	1.553	2.541	3.0	21.2
3 22	11 49.43	+ 2 33.2	1.554	2.548	2.0	21.1
4 1	11 40.06	+ 3 43.1	1.584	2.554	6.8	21.4
4 11	11 32.21	+ 4 40.7	1.640	2.560	11.1	21.7
4 21	11 26.59	+ 5 21.7	1.719	2.564	14.9	21.9

203401 2001 XZ_{166} 3 18.5 58°.04 2°.4/16.7 18

2 11	12 19.32	+ 2 44.9	1.251	2.090	18.5	19.8
2 21	12 15.22	+ 3 34.2	1.200	2.110	13.9	19.6
3 2	12 8.17	+ 4 37.7	1.170	2.131	8.8	19.4
3 12	11 59.17	+ 5 46.7	1.163	2.152	3.6	19.1
3 22	11 49.53	+ 6 51.2	1.182	2.173	3.9	19.2
4 1	11 40.70	+ 7 42.0	1.227	2.194	8.8	19.5
4 11	11 33.90	+ 8 13.1	1.295	2.216	13.4	19.9
4 21	11 29.79	+ 8 22.5	1.383	2.237	17.3	20.2

242486 2004 UY_7 3 18.5 229°.35 3°.4/21.6 18

2 11	12 18.06	−10 52.9	1.774	2.546	16.6	20.8
2 21	12 13.97	−10 46.2	1.676	2.537	13.5	20.5
3 2	12 7.40	−10 17.2	1.598	2.528	9.8	20.3
3 12	11 58.96	− 9 26.8	1.544	2.518	5.8	20.0
3 22	11 49.56	− 8 18.9	1.518	2.508	3.4	19.8
4 1	11 40.35	− 7 0.6	1.520	2.497	6.2	20.0
4 11	11 32.48	− 5 41.0	1.548	2.485	10.4	20.2
4 21	11 26.77	− 4 28.3	1.600	2.474	14.3	20.4

461945 2006 SX_{365} 3 18.5 110°.64 6°.3/13.3 18

2 11	12 25.28	+17 5.1	1.822	2.648	14.1	21.8
2 21	12 19.00	+17 50.3	1.764	2.661	11.0	21.6
3 2	12 10.28	+18 32.4	1.729	2.673	8.0	21.5
3 12	11 59.95	+19 3.6	1.721	2.686	6.4	21.4
3 22	11 49.11	+19 17.3	1.741	2.698	7.4	21.5
4 1	11 38.95	+19 9.9	1.788	2.709	10.1	21.7
4 11	11 30.46	+18 41.0	1.860	2.721	13.1	21.9
4 21	11 24.30	+17 53.0	1.953	2.732	15.8	22.1

327370 2005 UW_{293} 3 18.5 127°.30 4°.5/14.2 18

2 11	12 21.67	+12 44.7	2.095	2.918	12.7	21.3
2 21	12 15.99	+13 29.0	2.031	2.930	9.7	21.1
3 2	12 8.24	+14 14.4	1.991	2.942	6.6	20.9
3 12	11 59.14	+14 54.3	1.978	2.953	4.6	20.8
3 22	11 49.55	+15 23.0	1.995	2.964	5.5	20.9
4 1	11 40.45	+15 36.0	2.040	2.975	8.2	21.1
4 11	11 32.70	+15 31.7	2.111	2.985	11.2	21.3
4 21	11 26.88	+15 10.4	2.205	2.994	13.9	21.5

152181 2005 QU_8 3 18.5 182°.78 0°.7/19.1 18

2 11	12 21.11	− 3 27.9	1.634	2.435	16.6	21.2
2 21	12 16.33	− 3 8.4	1.550	2.436	12.9	20.9
3 2	12 8.90	− 2 31.4	1.487	2.437	8.6	20.7
3 12	11 59.54	− 1 40.7	1.450	2.436	3.7	20.4
3 22	11 49.29	− 0 42.3	1.441	2.436	1.7	20.2
4 1	11 39.41	+ 0 16.0	1.459	2.434	6.6	20.6
4 11	11 31.08	+ 1 6.5	1.504	2.432	11.3	20.8
4 21	11 25.12	+ 1 43.8	1.571	2.429	15.4	21.1

95783 2003 FJ_6 3 18.5 220°.14 0°.8/19.3 18

2 11	12 18.74	− 4 40.6	1.847	2.640	15.3	20.1
2 21	12 14.33	− 4 11.0	1.750	2.632	12.0	19.8
3 2	12 7.55	− 3 23.3	1.676	2.623	8.0	19.6
3 12	11 59.00	− 2 21.1	1.628	2.613	3.6	19.3
3 22	11 49.56	− 1 10.0	1.608	2.603	1.6	19.1
4 1	11 40.35	+ 0 2.3	1.617	2.592	6.1	19.4
4 11	11 32.42	+ 1 8.0	1.653	2.580	10.5	19.6
4 21	11 26.56	+ 2 1.0	1.712	2.568	14.4	19.8

202608 2006 HQ_{43} 3 18.5 272°.17 0°.1/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.61	− 1 9.3	2.070	2.875	13.4	21.2
2 21	12 11.61	− 0 46.9	1.980	2.870	10.4	20.9
3 2	12 5.60	− 0 12.0	1.913	2.866	6.7	20.7
3 12	11 58.15	+ 0 31.6	1.874	2.861	2.7	20.4
3 22	11 50.05	+ 1 19.0	1.862	2.857	1.5	20.3
4 1	11 42.20	+ 2 4.4	1.879	2.852	5.7	20.6
4 11	11 35.47	+ 2 42.5	1.924	2.848	9.5	20.8
4 21	11 30.50	+ 3 9.3	1.992	2.843	12.9	21.0

259180 2003 AP_{10} 3 18.5 141°.68 1°.7/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.17	+ 2 0.5	2.117	2.927	13.0	21.0
2 21	12 12.61	+ 3 1.9	2.043	2.938	9.8	20.8
3 2	12 6.11	+ 4 14.4	1.993	2.949	6.2	20.6
3 12	11 58.31	+ 5 31.9	1.971	2.959	2.5	20.4
3 22	11 49.99	+ 6 47.7	1.979	2.969	2.8	20.4
4 1	11 42.03	+ 7 55.1	2.017	2.977	6.4	20.7
4 11	11 35.26	+ 8 48.8	2.081	2.986	9.9	20.9
4 21	11 30.23	+ 9 25.8	2.170	2.993	13.0	21.1

228600 2002 AF_{138} 3 18.5 107°.02 0°.1/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.23	− 2 18.1	1.959	2.760	14.2	21.3
2 21	12 12.79	− 1 48.3	1.885	2.773	10.9	21.1
3 2	12 6.30	− 1 4.7	1.834	2.785	7.1	20.9
3 12	11 58.40	− 0 11.4	1.809	2.796	2.9	20.6
3 22	11 49.94	+ 0 45.9	1.813	2.808	1.5	20.5
4 1	11 41.89	+ 1 40.7	1.846	2.819	5.7	20.8
4 11	11 35.12	+ 2 27.2	1.906	2.830	9.6	21.1
4 21	11 30.21	+ 3 1.5	1.990	2.841	12.9	21.3

419852 2011 AG_{10} 3 18.5 115°.24 1°.0/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.83	− 4 26.2	1.936	2.730	14.7	21.7
2 21	12 13.31	− 4 7.0	1.859	2.740	11.4	21.5
3 2	12 6.67	− 3 32.3	1.804	2.751	7.6	21.3
3 12	11 58.56	− 2 45.7	1.776	2.761	3.4	21.1
3 22	11 49.86	− 1 52.3	1.776	2.771	1.5	21.0
4 1	11 41.55	− 0 58.4	1.805	2.780	5.5	21.2
4 11	11 34.53	− 0 10.2	1.860	2.790	9.4	21.5
4 21	11 29.44	+ 0 27.7	1.940	2.799	12.9	21.7

238812 2005 ND_{23} 3 18.5 222°.35 6°.6/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.96	+22 2.6	2.741	3.568	9.9	20.6
2 21	12 10.00	+23 50.4	2.672	3.560	8.1	20.5
3 2	12 4.40	+25 35.4	2.630	3.552	6.8	20.4
3 12	11 57.64	+27 10.2	2.617	3.544	6.8	20.3
3 22	11 50.34	+28 28.5	2.632	3.535	7.9	20.4
4 1	11 43.23	+29 25.4	2.674	3.525	9.8	20.5
4 11	11 37.01	+29 59.3	2.739	3.516	11.7	20.6
4 21	11 32.22	+30 10.6	2.824	3.506	13.5	20.8

311897 2006 YM_{19} 3 18.5 168°.00 4°.8/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.56	−18 0.0	2.745	3.453	12.8	20.9
2 21	12 10.41	−18 15.3	2.646	3.455	10.8	20.8
3 2	12 4.64	−18 13.3	2.570	3.457	8.5	20.6
3 12	11 57.73	−17 53.9	2.518	3.458	6.3	20.5
3 22	11 50.30	−17 18.4	2.495	3.459	4.9	20.4
4 1	11 43.05	−16 30.1	2.499	3.460	5.3	20.4
4 11	11 36.66	−15 34.0	2.532	3.461	7.3	20.5
4 21	11 31.67	−14 35.6	2.591	3.462	9.6	20.7

160501 2007 EC_{166} 3 18.5 24°.20 9°.5/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.18	+22 26.4	1.479	2.321	16.0	19.8
2 21	12 17.26	+23 29.9	1.427	2.326	13.0	19.7
3 2	12 9.44	+24 25.0	1.398	2.333	10.4	19.5
3 12	11 59.69	+25 0.7	1.392	2.340	9.5	19.5
3 22	11 49.30	+25 9.1	1.411	2.347	10.8	19.6
4 1	11 39.71	+24 46.5	1.453	2.355	13.4	19.7
4 11	11 32.10	+23 54.4	1.517	2.364	16.3	20.0
4 21	11 27.15	+22 37.5	1.600	2.373	19.0	20.2

110348 2001 SK_{306} 3 18.5 28°.70 0°.2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.97	+ 1 12.8	1.451	2.275	17.2	19.5
2 21	12 16.34	+ 1 0.6	1.382	2.282	13.2	19.3
3 2	12 8.92	+ 0 59.9	1.334	2.290	8.6	19.0
3 12	11 59.53	+ 1 6.8	1.311	2.299	3.4	18.7
3 22	11 49.35	+ 1 16.6	1.314	2.309	1.9	18.6
4 1	11 39.75	+ 1 23.8	1.344	2.319	7.1	19.0
4 11	11 31.94	+ 1 23.5	1.399	2.330	11.8	19.3
4 21	11 26.68	+ 1 12.8	1.475	2.341	15.8	19.6

34772 2001 QU_{257} 3 18.5 196°.88 2°.5/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.79	+ 4 38.4	2.123	2.940	12.7	19.9
2 21	12 12.43	+ 5 37.7	2.038	2.938	9.6	19.7
3 2	12 6.10	+ 6 46.5	1.978	2.935	6.1	19.5
3 12	11 58.35	+ 7 58.8	1.946	2.932	2.9	19.3
3 22	11 49.98	+ 9 7.8	1.943	2.928	3.6	19.3
4 1	11 41.88	+10 6.9	1.969	2.924	7.0	19.5
4 11	11 34.92	+10 51.1	2.022	2.919	10.5	19.7
4 21	11 29.71	+11 18.0	2.098	2.914	13.6	19.9

35875 1999 JP_{73} 3 18.5 201°.68 4°.0/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 19.33	+ 8 10.9	1.852	2.679	13.9	18.7
2 21	12 14.68	+ 9 17.6	1.771	2.675	10.5	18.4
3 2	12 7.69	+10 32.2	1.715	2.672	6.9	18.2
3 12	11 59.03	+11 46.9	1.685	2.667	4.2	18.0
3 22	11 49.61	+12 53.5	1.685	2.662	5.2	18.1
4 1	11 40.54	+13 44.8	1.712	2.656	8.7	18.3
4 11	11 32.82	+14 16.0	1.764	2.650	12.4	18.5
4 21	11 27.18	+14 25.8	1.838	2.644	15.7	18.7

82540 2001 OC_{66} 3 18.5 137°.35 2°.9/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.96	−12 38.5	2.683	3.426	12.3	19.5
2 21	12 9.87	−12 21.8	2.594	3.435	10.0	19.3
3 2	12 4.24	−11 48.8	2.527	3.444	7.3	19.1
3 12	11 57.55	−11 1.1	2.487	3.453	4.5	19.0
3 22	11 50.43	−10 1.8	2.476	3.462	2.9	18.9
4 1	11 43.55	− 8 55.6	2.495	3.470	4.3	19.0
4 11	11 37.57	− 7 48.1	2.543	3.477	7.0	19.2
4 21	11 32.95	− 6 44.2	2.618	3.485	9.7	19.3

62503 Tomcave 3 18.5 29°.39 1°.1/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.54	− 8 12.7	1.491	2.300	17.5	18.5
2 21	12 8.31	− 7 5.2	1.421	2.310	13.7	18.3
3 2	12 3.70	− 5 30.9	1.371	2.320	9.2	18.0
3 12	11 57.43	− 3 36.2	1.347	2.332	4.2	17.8
3 22	11 50.51	− 1 30.8	1.349	2.344	1.7	17.6
4 1	11 44.04	+ 0 32.9	1.378	2.356	6.5	18.0
4 11	11 39.07	+ 2 23.5	1.433	2.370	11.1	18.2
4 21	11 36.22	+ 3 53.1	1.511	2.384	15.1	18.5

416974 2005 TR_{28} 3 18.5 128°.77 4°.0/22.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.91	−12 21.9	2.195	2.939	14.7	22.1
2 21	12 15.49	−12 43.2	2.112	2.952	12.0	21.9
3 2	12 8.02	−12 47.1	2.051	2.965	8.9	21.7
3 12	11 59.11	−12 34.1	2.015	2.978	5.8	21.6
3 22	11 49.61	−12 6.1	2.008	2.990	4.0	21.5
4 1	11 40.43	−11 27.6	2.031	3.001	5.5	21.6
4 11	11 32.48	−10 44.2	2.081	3.013	8.5	21.8
4 21	11 26.37	−10 1.6	2.157	3.023	11.5	22.0

178433 1998 UR_{2} 3 18.5 94°.31 2°.3/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.39	− 8 57.8	1.843	2.620	15.9	20.5
2 21	12 13.76	− 8 35.5	1.775	2.643	12.6	20.3
3 2	12 6.94	− 7 53.4	1.729	2.665	8.7	20.1
3 12	11 58.67	− 6 54.7	1.708	2.686	4.6	19.9
3 22	11 49.87	− 5 44.8	1.715	2.707	2.4	19.8
4 1	11 41.58	− 4 31.2	1.751	2.728	5.5	20.0
4 11	11 34.70	− 3 21.5	1.814	2.748	9.3	20.3
4 21	11 29.84	− 2 21.8	1.901	2.768	12.7	20.6

472962 2015 GK_{38} 3 18.5 273°.96 2°.8/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.10	+ 6 32.4	2.239	3.063	11.9	21.3
2 21	12 10.34	+ 7 26.1	2.150	3.053	9.0	21.1
3 2	12 4.74	+ 8 27.4	2.086	3.044	5.8	20.9
3 12	11 57.82	+ 9 30.5	2.049	3.034	3.1	20.7
3 22	11 50.30	+10 29.3	2.042	3.024	3.8	20.7
4 1	11 42.99	+11 17.9	2.063	3.014	7.0	20.9
4 11	11 36.70	+11 51.9	2.110	3.004	10.3	21.1
4 21	11 32.01	+12 9.3	2.180	2.994	13.2	21.2

306653 2000 SU_{138} 3 18.5 136°.76 0°.9/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.65	− 4 41.9	1.967	2.752	14.7	21.7
2 21	12 15.41	− 4 17.1	1.890	2.767	11.5	21.5
3 2	12 8.00	− 3 36.8	1.837	2.781	7.6	21.3
3 12	11 59.10	− 2 44.3	1.810	2.794	3.4	21.1
3 22	11 49.63	− 1 45.2	1.812	2.807	1.5	20.9
4 1	11 40.58	− 0 45.9	1.844	2.818	5.5	21.2
4 11	11 32.89	+ 0 7.2	1.903	2.829	9.5	21.5
4 21	11 27.16	+ 0 49.4	1.987	2.839	12.9	21.7

143479 2003 CP_{10} 3 18.5 270°.62 3°.6/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.24	−11 3.1	2.392	3.144	13.4	20.1
2 21	12 12.71	−11 28.2	2.290	3.137	10.9	19.9
3 2	12 6.28	−11 38.8	2.210	3.129	8.1	19.7
3 12	11 58.46	−11 34.9	2.156	3.121	5.2	19.5
3 22	11 49.95	−11 18.0	2.130	3.113	3.6	19.4
4 1	11 41.58	−10 51.5	2.134	3.106	5.2	19.4
4 11	11 34.18	−10 19.9	2.165	3.098	8.1	19.6
4 21	11 28.39	− 9 48.3	2.222	3.090	11.1	19.8

31226 1998 BZ_{40} 3 18.5 58°.35 0°.4/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.34	− 0 16.9	2.054	2.863	13.4	18.7
2 21	12 11.26	+ 0 9.5	1.983	2.876	10.2	18.5
3 2	12 5.27	+ 0 47.2	1.935	2.889	6.5	18.3
3 12	11 58.00	+ 1 32.0	1.915	2.903	2.5	18.1
3 22	11 50.24	+ 2 18.6	1.922	2.916	1.7	18.1
4 1	11 42.87	+ 3 1.5	1.958	2.930	5.6	18.3
4 11	11 36.68	+ 3 35.9	2.021	2.943	9.2	18.6
4 21	11 32.22	+ 3 58.5	2.108	2.957	12.4	18.8

240072 2001 YP_{109} 3 18.5 359°.27 22°.4/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.23	+38 45.0	0.858	1.720	22.9	19.3
2 21	12 13.78	+43 13.0	0.847	1.718	22.4	19.3
3 2	12 8.53	+46 58.5	0.853	1.716	23.2	19.3
3 12	11 59.66	+49 37.5	0.875	1.716	24.9	19.4
3 22	11 49.35	+50 58.8	0.910	1.716	27.1	19.6
4 1	11 40.27	+51 2.8	0.956	1.717	29.3	19.8
4 11	11 34.50	+50 0.3	1.009	1.719	31.2	19.9
4 21	11 32.90	+48 5.4	1.069	1.721	32.7	20.1

334508 2002 QZ_{152} 3 18.5 128°.31 2°.2/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.73	+ 4 42.9	1.822	2.641	14.4	21.4
2 21	12 15.63	+ 5 16.9	1.751	2.650	10.9	21.2
3 2	12 8.21	+ 5 59.6	1.702	2.659	6.9	21.0
3 12	11 59.21	+ 6 45.0	1.681	2.668	3.1	20.8
3 22	11 49.59	+ 7 26.8	1.687	2.676	3.3	20.8
4 1	11 40.44	+ 7 59.0	1.723	2.684	7.3	21.1
4 11	11 32.75	+ 8 17.4	1.784	2.692	11.1	21.3
4 21	11 27.16	+ 8 20.1	1.868	2.699	14.5	21.5

65849 1997 CF_{9} 3 18.5 111°.92 1°.6/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.19	− 5 37.9	1.903	2.684	15.3	19.6
2 21	12 16.58	− 5 32.0	1.833	2.705	12.0	19.4
3 2	12 8.74	− 5 10.3	1.785	2.726	8.1	19.2
3 12	11 59.40	− 4 35.7	1.763	2.746	3.9	19.0
3 22	11 49.51	− 3 52.8	1.771	2.765	1.9	18.9
4 1	11 40.12	− 3 7.3	1.807	2.783	5.5	19.2
4 11	11 32.19	− 2 25.5	1.871	2.801	9.4	19.4
4 21	11 26.32	− 1 52.1	1.960	2.818	12.8	19.7

159849 2003 XM_{6} 3 18.5 179°.90 4°.3/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.72	+13 40.1	2.758	3.580	10.0	20.5
2 21	12 11.18	+14 51.5	2.683	3.581	7.6	20.4
3 2	12 5.07	+16 4.4	2.635	3.582	5.4	20.2
3 12	11 57.91	+17 12.9	2.616	3.583	4.3	20.1
3 22	11 50.29	+18 11.6	2.626	3.582	5.2	20.2
4 1	11 42.93	+18 56.0	2.666	3.582	7.4	20.3
4 11	11 36.46	+19 23.7	2.732	3.580	9.8	20.5
4 21	11 31.37	+19 34.0	2.821	3.578	11.9	20.6

370811 2004 TL_{264} 3 18.5 85°.90 1°.1/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.97	+ 1 52.8	1.930	2.743	13.9	21.0
2 21	12 13.40	+ 2 17.8	1.857	2.753	10.6	20.8
3 2	12 6.73	+ 2 53.0	1.807	2.763	6.7	20.6
3 12	11 58.61	+ 3 33.6	1.784	2.773	2.6	20.4
3 22	11 49.93	+ 4 14.2	1.790	2.782	2.2	20.3
4 1	11 41.66	+ 4 49.1	1.824	2.792	6.3	20.6
4 11	11 34.70	+ 5 13.7	1.884	2.802	10.1	20.9
4 21	11 29.65	+ 5 25.3	1.968	2.811	13.3	21.1

505162 2012 RL_{39} 3 18.5 232°.56 0°.2/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.14	− 1 3.1	2.666	3.448	11.4	22.7
2 21	12 14.69	− 0 57.7	2.556	3.433	8.8	22.5
3 2	12 7.46	− 0 43.4	2.470	3.417	5.8	22.3
3 12	11 58.92	− 0 22.5	2.414	3.400	2.4	22.0
3 22	11 49.72	+ 0 1.9	2.388	3.383	1.2	21.9
4 1	11 40.64	+ 0 26.0	2.394	3.365	4.7	22.1
4 11	11 32.43	+ 0 46.2	2.429	3.347	8.1	22.3
4 21	11 25.69	+ 0 59.4	2.489	3.327	11.1	22.5

285731 2000 SV_{338} 3 18.5 133°.31 3°.2/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.64	+ 8 52.4	1.924	2.744	13.7	20.3
2 21	12 17.01	+ 9 11.1	1.848	2.748	10.5	20.1
3 2	12 9.09	+ 9 33.5	1.795	2.751	6.8	19.9
3 12	11 59.57	+ 9 54.3	1.770	2.754	3.6	19.7
3 22	11 49.42	+10 8.1	1.774	2.757	4.1	19.7
4 1	11 39.72	+10 10.5	1.806	2.760	7.6	19.9
4 11	11 31.44	+ 9 59.0	1.864	2.763	11.2	20.2
4 21	11 25.26	+ 9 33.2	1.945	2.766	14.4	20.4

333100 2011 UL_{283} 3 18.5 96°.07 0°.6/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.08	− 1 20.8	1.605	2.419	16.3	21.5
2 21	12 14.57	− 0 35.1	1.541	2.437	12.4	21.3
3 2	12 7.60	+ 0 26.8	1.500	2.454	7.9	21.1
3 12	11 58.98	+ 1 38.7	1.483	2.472	3.1	20.8
3 22	11 49.76	+ 2 52.7	1.495	2.489	2.1	20.8
4 1	11 41.11	+ 4 0.1	1.534	2.506	6.9	21.1
4 11	11 34.06	+ 4 54.1	1.600	2.522	11.2	21.4
4 21	11 29.27	+ 5 30.8	1.687	2.538	14.9	21.7

127815 2003 FG_{87} 3 18.5 298°.31 4°.7/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.57	− 8 39.3	1.420	2.212	19.1	19.4
2 21	12 17.36	− 9 28.0	1.329	2.202	15.6	19.1
3 2	12 10.01	− 9 58.0	1.257	2.191	11.4	18.8
3 12	12 0.18	−10 8.0	1.208	2.181	7.0	18.5
3 22	11 49.02	− 9 59.2	1.183	2.171	4.7	18.4
4 1	11 38.03	− 9 36.1	1.185	2.162	7.6	18.5
4 11	11 28.76	− 9 6.3	1.211	2.152	12.3	18.7
4 21	11 22.25	− 8 37.9	1.259	2.143	16.7	18.9

419158 2009 SC_{341} 3 18.5 82°.54 0°.2/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.25	− 2 45.9	1.841	2.646	14.8	21.4
2 21	12 12.22	− 2 14.7	1.767	2.657	11.4	21.2
3 2	12 6.03	− 1 28.2	1.716	2.667	7.4	20.9
3 12	11 58.35	− 0 30.9	1.690	2.678	3.1	20.7
3 22	11 50.09	+ 0 31.0	1.693	2.688	1.5	20.6
4 1	11 42.24	+ 1 30.7	1.724	2.699	5.9	20.9
4 11	11 35.71	+ 2 21.6	1.782	2.709	9.9	21.2
4 21	11 31.12	+ 2 59.3	1.863	2.719	13.4	21.4

461422 2001 UZ_{115} 3 18.5 155°.87 3°.4/22.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.11	−14 5.3	2.318	3.059	14.1	21.8
2 21	12 11.78	−13 41.8	2.227	3.066	11.5	21.6
3 2	12 5.62	−12 58.0	2.158	3.073	8.5	21.4
3 12	11 58.18	−11 55.5	2.115	3.080	5.4	21.2
3 22	11 50.19	−10 38.2	2.101	3.086	3.4	21.1
4 1	11 42.48	− 9 12.0	2.116	3.091	5.0	21.2
4 11	11 35.84	− 7 44.2	2.161	3.096	8.0	21.4
4 21	11 30.83	− 6 21.7	2.231	3.100	11.0	21.6

47999 2001 BC_{9} 3 18.5 322°.55 0°.5/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.79	+ 1 0.6	1.332	2.166	17.9	18.8
2 21	12 14.52	+ 1 0.0	1.243	2.149	13.9	18.5
3 2	12 8.18	+ 1 13.5	1.175	2.134	9.1	18.2
3 12	11 59.44	+ 1 36.7	1.130	2.119	3.6	17.8
3 22	11 49.44	+ 2 3.7	1.110	2.104	2.3	17.7
4 1	11 39.69	+ 2 27.2	1.115	2.091	8.1	18.0
4 11	11 31.65	+ 2 40.1	1.143	2.078	13.5	18.3
4 21	11 26.35	+ 2 38.1	1.192	2.066	18.2	18.5

170805 2004 DW_{35} 3 18.5 73°.57 4°.0/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.42	−12 29.7	2.198	2.950	14.4	20.1
2 21	12 12.13	−12 47.2	2.112	2.957	11.8	19.9
3 2	12 5.91	−12 47.2	2.048	2.964	8.8	19.7
3 12	11 58.31	−12 30.2	2.008	2.971	5.7	19.5
3 22	11 50.11	−11 58.5	1.997	2.979	4.0	19.4
4 1	11 42.19	−11 16.4	2.013	2.986	5.4	19.5
4 11	11 35.39	−10 29.6	2.058	2.993	8.3	19.7
4 21	11 30.30	− 9 43.9	2.127	3.000	11.3	19.9

122667 2000 RU_{100} 3 18.5 191°.85 4°.7/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.81	−16 35.1	2.477	3.195	13.8	19.7
2 21	12 13.09	−16 48.1	2.376	3.194	11.6	19.5
3 2	12 6.50	−16 42.7	2.296	3.191	9.0	19.3
3 12	11 58.56	−16 18.5	2.241	3.189	6.4	19.2
3 22	11 49.97	−15 37.2	2.214	3.185	4.8	19.1
4 1	11 41.55	−14 42.6	2.216	3.181	5.6	19.1
4 11	11 34.12	−13 40.4	2.247	3.177	8.0	19.2
4 21	11 28.29	−12 37.0	2.303	3.172	10.7	19.4

384227 2009 DZ_{32} 3 18.5 49°.24 1°.5/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.77	+ 4 59.8	1.935	2.749	13.9	20.4
2 21	12 16.15	+ 4 57.6	1.871	2.767	10.5	20.2
3 2	12 8.41	+ 5 1.3	1.831	2.786	6.7	20.0
3 12	11 59.26	+ 5 7.0	1.818	2.805	2.7	19.8
3 22	11 49.65	+ 5 10.7	1.833	2.825	2.5	19.8
4 1	11 40.59	+ 5 8.4	1.878	2.845	6.3	20.1
4 11	11 32.96	+ 4 57.7	1.950	2.865	9.9	20.4
4 21	11 27.35	+ 4 37.2	2.045	2.885	13.1	20.6

22583 Metzler 3 18.5 164°.57 2°.4/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.77	+ 5 19.8	1.814	2.632	14.5	19.6
2 21	12 16.51	+ 5 49.9	1.736	2.635	11.0	19.4
3 2	12 8.86	+ 6 28.3	1.682	2.638	7.0	19.2
3 12	11 59.52	+ 7 9.0	1.654	2.641	3.2	18.9
3 22	11 49.48	+ 7 45.8	1.655	2.643	3.5	18.9
4 1	11 39.85	+ 8 12.8	1.684	2.645	7.5	19.2
4 11	11 31.69	+ 8 25.8	1.740	2.646	11.4	19.4
4 21	11 25.69	+ 8 23.2	1.817	2.647	14.8	19.6

241056 2006 SJ_{108} 3 18.5 216°.94 4°.3/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.42	+14 3.8	2.598	3.420	10.5	21.0
2 21	12 12.58	+14 50.1	2.516	3.414	8.1	20.8
3 2	12 6.04	+15 37.0	2.460	3.408	5.7	20.7
3 12	11 58.33	+16 19.1	2.432	3.402	4.3	20.6
3 22	11 50.12	+16 51.5	2.433	3.395	5.2	20.6
4 1	11 42.16	+17 10.1	2.463	3.389	7.5	20.7
4 11	11 35.18	+17 12.9	2.520	3.381	10.1	20.9
4 21	11 29.70	+16 59.7	2.599	3.374	12.4	21.1

387286 2012 UX_{153} 3 18.5 96°.66 5°.1/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.56	+15 39.2	2.325	3.154	11.3	21.2
2 21	12 12.07	+16 34.1	2.256	3.156	8.8	21.1
3 2	12 5.75	+17 28.4	2.212	3.158	6.4	20.9
3 12	11 58.21	+18 15.8	2.195	3.160	5.1	20.8
3 22	11 50.19	+18 50.7	2.207	3.162	6.1	20.9
4 1	11 42.52	+19 8.9	2.246	3.164	8.5	21.0
4 11	11 35.95	+19 8.7	2.311	3.166	11.1	21.2
4 21	11 31.04	+18 50.3	2.397	3.168	13.4	21.4

391293 2006 SD_{298} 3 18.5 108°.32 1°.2/20.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.83	− 6 38.6	2.469	3.249	12.3	22.1
2 21	12 9.13	− 6 3.4	2.384	3.257	9.6	21.9
3 2	12 3.83	− 5 13.7	2.324	3.265	6.5	21.7
3 12	11 57.44	− 4 12.4	2.290	3.272	3.1	21.5
3 22	11 50.60	− 3 4.3	2.286	3.280	1.4	21.4
4 1	11 44.02	− 1 54.7	2.311	3.288	4.4	21.6
4 11	11 38.38	− 0 49.4	2.365	3.295	7.7	21.8
4 21	11 34.16	+ 0 7.2	2.445	3.302	10.6	22.0

85381 1996 JL_{15} 3 18.5 247°.41 3°.0/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.37	−10 59.5	1.979	2.748	15.2	20.4
2 21	12 11.69	−10 41.9	1.877	2.737	12.4	20.2
3 2	12 5.83	−10 3.2	1.796	2.726	8.9	20.0
3 12	11 58.36	− 9 4.6	1.741	2.715	5.2	19.7
3 22	11 50.08	− 7 50.4	1.713	2.703	3.0	19.5
4 1	11 41.97	− 6 27.1	1.713	2.691	5.5	19.7
4 11	11 35.00	− 5 3.3	1.741	2.678	9.4	19.9
4 21	11 29.91	− 3 46.4	1.793	2.666	13.1	20.1

502976 2015 FC_{45} 3 18.5 189°.96 2°.6/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.20	−12 28.2	2.629	3.378	12.4	21.7
2 21	12 8.65	−11 52.9	2.530	3.377	10.0	21.5
3 2	12 3.54	−10 59.8	2.455	3.376	7.2	21.3
3 12	11 57.34	− 9 50.9	2.406	3.375	4.4	21.1
3 22	11 50.66	− 8 30.0	2.386	3.374	2.6	21.0
4 1	11 44.19	− 7 2.6	2.396	3.373	4.3	21.1
4 11	11 38.57	− 5 35.2	2.436	3.371	7.2	21.3
4 21	11 34.31	− 4 13.5	2.502	3.369	10.0	21.5

419224 2009 UV_{154} 3 18.5 177°.13 1°.3/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.76	+ 2 47.7	2.127	2.936	13.0	22.2
2 21	12 13.92	+ 3 15.5	2.043	2.937	9.9	22.0
3 2	12 7.06	+ 3 52.2	1.983	2.938	6.3	21.8
3 12	11 58.78	+ 4 33.6	1.951	2.939	2.5	21.6
3 22	11 49.90	+ 5 14.2	1.948	2.939	2.4	21.6
4 1	11 41.33	+ 5 49.0	1.974	2.939	6.2	21.8
4 11	11 33.93	+ 6 13.4	2.027	2.938	9.8	22.0
4 21	11 28.33	+ 6 25.0	2.104	2.938	13.0	22.2

134468 1998 UX_{8} 3 18.5 194°.08 2°.5/21.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.83	−10 36.0	2.503	3.259	12.7	20.1
2 21	12 10.73	−10 18.4	2.404	3.257	10.3	19.9
3 2	12 4.93	− 9 44.4	2.329	3.255	7.3	19.7
3 12	11 57.92	− 8 55.6	2.280	3.252	4.3	19.5
3 22	11 50.36	− 7 55.5	2.260	3.249	2.5	19.4
4 1	11 43.00	− 6 49.0	2.270	3.246	4.5	19.5
4 11	11 36.56	− 5 42.1	2.309	3.242	7.6	19.7
4 21	11 31.60	− 4 40.1	2.373	3.238	10.6	19.9

66481 1999 RZ_{34} 3 18.5 177°.17 9°.0/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.03	+25 28.9	1.936	2.749	13.9	18.1
2 21	12 21.98	+26 27.8	1.874	2.751	11.6	18.0
3 2	12 12.31	+27 17.1	1.836	2.752	9.6	17.8
3 12	12 0.88	+27 47.7	1.823	2.753	9.0	17.8
3 22	11 48.83	+27 52.8	1.838	2.753	10.0	17.9
4 1	11 37.46	+27 29.4	1.879	2.753	12.2	18.0
4 11	11 27.86	+26 38.8	1.943	2.752	14.7	18.2
4 21	11 20.73	+25 25.5	2.027	2.751	17.0	18.3

317601 2002 XZ_{75} 3 18.5 163°.23 1°.0/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.03	− 4 52.5	2.387	3.163	12.7	21.6
2 21	12 13.90	− 4 31.5	2.299	3.170	9.9	21.5
3 2	12 6.94	− 3 57.2	2.235	3.177	6.6	21.3
3 12	11 58.72	− 3 12.5	2.199	3.182	3.1	21.0
3 22	11 49.96	− 2 21.5	2.193	3.187	1.3	20.9
4 1	11 41.48	− 1 29.3	2.217	3.192	4.8	21.2
4 11	11 34.06	− 0 41.2	2.270	3.195	8.2	21.4
4 21	11 28.27	− 0 1.3	2.349	3.197	11.3	21.6

26268 Nardi 3 18.5 179°.69 1°.6/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.36	− 5 30.6	1.706	2.497	16.4	19.8
2 21	12 16.47	− 5 22.8	1.620	2.499	13.0	19.6
3 2	12 9.00	− 4 57.1	1.556	2.500	8.8	19.3
3 12	11 59.66	− 4 16.2	1.517	2.500	4.3	19.1
3 22	11 49.45	− 3 24.9	1.506	2.500	2.0	18.9
4 1	11 39.58	− 2 30.4	1.523	2.499	6.2	19.2
4 11	11 31.21	− 1 40.0	1.566	2.498	10.7	19.4
4 21	11 25.12	− 0 59.7	1.632	2.496	14.6	19.7

502498 2015 BD_{398} 3 18.5 138°.49 1°.6/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.25	− 6 12.0	2.211	2.991	13.5	21.7
2 21	12 12.69	− 6 0.7	2.127	2.998	10.6	21.5
3 2	12 6.23	− 5 34.8	2.066	3.006	7.2	21.3
3 12	11 58.45	− 4 56.8	2.031	3.012	3.6	21.1
3 22	11 50.11	− 4 10.7	2.026	3.019	1.7	20.9
4 1	11 42.08	− 3 21.6	2.049	3.025	4.9	21.2
4 11	11 35.16	− 2 35.2	2.101	3.031	8.4	21.4
4 21	11 29.93	− 1 56.0	2.177	3.037	11.6	21.6

87734 2000 SO_{58} 3 18.5 174°.44 0°.4/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.33	− 3 4.3	2.296	3.085	12.8	21.3
2 21	12 12.71	− 2 39.3	2.207	3.087	9.9	21.1
3 2	12 6.23	− 2 1.5	2.142	3.089	6.5	20.9
3 12	11 58.46	− 1 14.3	2.105	3.091	2.8	20.7
3 22	11 50.12	− 0 22.2	2.097	3.092	1.3	20.5
4 1	11 42.03	+ 0 29.5	2.119	3.092	5.1	20.8
4 11	11 35.01	+ 1 15.3	2.169	3.092	8.6	21.0
4 21	11 29.62	+ 1 51.5	2.244	3.092	11.8	21.2

332757 2009 UN_{46} 3 18.5 210°.52 5°.8/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.34	+17 21.2	2.261	3.083	11.9	21.4
2 21	12 15.85	+18 17.4	2.183	3.077	9.3	21.3
3 2	12 8.29	+19 12.2	2.130	3.071	7.0	21.1
3 12	11 59.29	+19 58.6	2.104	3.064	5.8	21.0
3 22	11 49.68	+20 30.3	2.108	3.057	6.9	21.1
4 1	11 40.40	+20 43.0	2.139	3.049	9.3	21.2
4 11	11 32.34	+20 35.1	2.195	3.040	12.0	21.3
4 21	11 26.12	+20 7.5	2.273	3.031	14.4	21.5

407869 2012 BS_{85} 3 18.5 133°.09 1°.6/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.61	+ 2 17.6	1.820	2.635	14.6	21.9
2 21	12 14.80	+ 2 59.0	1.748	2.645	11.1	21.7
3 2	12 7.72	+ 3 51.7	1.698	2.655	7.0	21.5
3 12	11 59.08	+ 4 50.0	1.676	2.664	2.8	21.2
3 22	11 49.81	+ 5 47.0	1.681	2.672	2.8	21.3
4 1	11 40.98	+ 6 35.9	1.715	2.680	6.9	21.5
4 11	11 33.57	+ 7 11.4	1.776	2.688	10.9	21.8
4 21	11 28.22	+ 7 30.8	1.859	2.695	14.3	22.0

155025 2005 QM_{71} 3 18.5 82°.36 0°.5/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.07	− 3 25.9	1.814	2.620	15.0	19.7
2 21	12 11.27	− 2 9.2	1.749	2.641	11.4	19.5
3 2	12 5.38	− 0 34.8	1.708	2.661	7.3	19.3
3 12	11 58.11	+ 1 10.5	1.693	2.681	2.8	19.1
3 22	11 50.35	+ 2 57.9	1.708	2.701	1.9	19.1
4 1	11 43.06	+ 4 38.2	1.751	2.721	6.3	19.4
4 11	11 37.11	+ 6 3.6	1.822	2.741	10.2	19.6
4 21	11 33.07	+ 7 9.6	1.916	2.760	13.6	19.9

65294 2002 JJ_{22} 3 18.5 45°.63 2°.0/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.40	− 8 38.8	1.737	2.529	16.1	18.7
2 21	12 10.23	− 8 5.9	1.661	2.538	12.8	18.5
3 2	12 4.86	− 7 11.2	1.606	2.547	8.8	18.3
3 12	11 57.95	− 5 58.4	1.576	2.557	4.5	18.0
3 22	11 50.42	− 4 33.8	1.573	2.567	2.1	17.9
4 1	11 43.27	− 3 5.9	1.598	2.577	5.7	18.1
4 11	11 37.47	− 1 43.5	1.649	2.587	9.8	18.4
4 21	11 33.64	− 0 33.5	1.724	2.598	13.5	18.6

427115 2014 UH_{94} 3 18.5 232°.52 1°.5/17.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.62	+ 2 4.2	1.990	2.799	13.7	22.4
2 21	12 14.90	+ 2 44.0	1.892	2.786	10.5	22.2
3 2	12 7.91	+ 3 35.7	1.817	2.772	6.8	21.9
3 12	11 59.23	+ 4 34.4	1.769	2.757	2.7	21.6
3 22	11 49.70	+ 5 33.7	1.751	2.742	2.7	21.6
4 1	11 40.35	+ 6 26.8	1.761	2.726	6.8	21.8
4 11	11 32.19	+ 7 7.8	1.799	2.709	10.9	22.0
4 21	11 25.97	+ 7 33.3	1.859	2.692	14.5	22.2

17388 1981 EZ_{24} 3 18.5 307°.90 0°.4/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.81	− 5 26.7	1.719	2.527	15.6	18.4
2 21	12 9.21	− 4 27.5	1.624	2.515	12.2	18.2
3 2	12 4.36	− 3 5.7	1.552	2.504	8.1	17.9
3 12	11 57.82	− 1 26.0	1.506	2.492	3.4	17.6
3 22	11 50.46	+ 0 23.5	1.486	2.481	1.6	17.4
4 1	11 43.32	+ 2 12.7	1.495	2.471	6.5	17.7
4 11	11 37.43	+ 3 51.5	1.530	2.460	11.0	18.0
4 21	11 33.53	+ 5 12.2	1.588	2.450	15.0	18.2

162541 2000 QY_{170} 3 18.5 198°.04 1°.7/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.67	− 7 5.5	1.892	2.675	15.3	21.2
2 21	12 14.22	− 6 42.5	1.799	2.672	12.2	20.9
3 2	12 7.47	− 6 0.6	1.729	2.669	8.3	20.7
3 12	11 59.05	− 5 2.4	1.684	2.665	4.2	20.4
3 22	11 49.82	− 3 53.2	1.667	2.661	1.9	20.3
4 1	11 40.85	− 2 40.1	1.679	2.656	5.7	20.5
4 11	11 33.17	− 1 31.0	1.718	2.650	9.9	20.7
4 21	11 27.50	− 0 32.2	1.782	2.644	13.7	21.0

505217 2012 TC_{297} 3 18.5 272°.89 2°.9/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.76	−10 23.1	2.175	2.941	14.1	21.4
2 21	12 11.10	−10 13.2	2.063	2.922	11.5	21.2
3 2	12 5.42	− 9 44.8	1.974	2.903	8.3	21.0
3 12	11 58.23	− 8 59.0	1.910	2.884	4.9	20.7
3 22	11 50.24	− 7 59.0	1.875	2.864	2.9	20.5
4 1	11 42.35	− 6 50.3	1.868	2.844	5.2	20.7
4 11	11 35.44	− 5 39.9	1.888	2.825	8.9	20.8
4 21	11 30.22	− 4 34.4	1.934	2.804	12.4	21.0

497670 2006 RS_{96} 3 18.5 131.°74 1.°2/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.35	+ 3 35.3	2.516	3.321	11.3	21.5
2 21	12 12.50	+ 3 53.2	2.434	3.327	8.6	21.3
3 2	12 5.99	+ 4 17.7	2.378	3.333	5.4	21.1
3 12	11 58.35	+ 4 45.0	2.350	3.338	2.2	20.9
3 22	11 50.25	+ 5 11.3	2.352	3.343	2.1	20.9
4 1	11 42.43	+ 5 32.7	2.384	3.349	5.3	21.1
4 11	11 35.61	+ 5 46.0	2.444	3.354	8.4	21.3
4 21	11 30.28	+ 5 49.2	2.528	3.359	11.1	21.5

188810 2005 WR_{182} 3 18.5 232.°00 4.°8/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.59	−14 20.5	2.248	2.982	14.6	20.0
2 21	12 14.76	−14 46.5	2.139	2.970	12.2	19.7
3 2	12 7.78	−14 54.9	2.053	2.959	9.4	19.5
3 12	11 59.19	−14 44.8	1.991	2.946	6.5	19.3
3 22	11 49.75	−14 17.3	1.957	2.933	4.8	19.2
4 1	11 40.40	−13 35.9	1.952	2.920	6.0	19.2
4 11	11 32.10	−12 46.5	1.975	2.906	8.9	19.4
4 21	11 25.58	−11 55.3	2.023	2.891	12.0	19.6

109276 2001 QN_{115} 3 18.5 173.°80 2.°7/21.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.19	− 9 22.6	2.321	3.079	13.6	21.3
2 21	12 14.16	− 9 22.4	2.228	3.083	10.9	21.1
3 2	12 7.21	− 9 6.6	2.157	3.085	7.8	20.9
3 12	11 58.89	− 8 36.4	2.114	3.087	4.5	20.7
3 22	11 49.95	− 7 55.0	2.099	3.088	2.7	20.5
4 1	11 41.25	− 7 6.9	2.114	3.089	4.9	20.7
4 11	11 33.63	− 6 17.7	2.158	3.089	8.2	20.9
4 21	11 27.69	− 5 32.8	2.227	3.089	11.3	21.1

386954 2011 SG_{164} 3 18.5 268.°86 0.°7/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.71	− 4 51.2	2.447	3.235	12.1	20.8
2 21	12 9.21	− 4 18.3	2.345	3.224	9.5	20.6
3 2	12 4.01	− 3 31.3	2.267	3.212	6.3	20.4
3 12	11 57.61	− 2 33.2	2.216	3.200	2.9	20.2
3 22	11 50.63	− 1 28.4	2.194	3.189	1.2	20.0
4 1	11 43.80	− 0 22.3	2.201	3.177	4.7	20.2
4 11	11 37.85	+ 0 39.2	2.237	3.165	8.2	20.4
4 21	11 33.33	+ 1 31.6	2.298	3.153	11.3	20.6

117712 Podmaniczky 3 18.5 166.°61 0.°7/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.52	− 0 41.7	2.072	2.873	13.6	20.9
2 21	12 13.79	+ 0 2.4	1.989	2.878	10.4	20.7
3 2	12 7.02	+ 0 59.6	1.930	2.882	6.7	20.4
3 12	11 58.82	+ 2 5.1	1.898	2.886	2.6	20.2
3 22	11 50.01	+ 3 12.7	1.896	2.889	1.9	20.1
4 1	11 41.52	+ 4 15.8	1.923	2.892	6.0	20.4
4 11	11 34.23	+ 5 8.6	1.978	2.893	9.8	20.6
4 21	11 28.77	+ 5 47.2	2.057	2.895	13.1	20.8

303216 2004 JV_{34} 3 18.5 263.°01 6.°4/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.42	+21 34.5	2.644	3.467	10.3	21.1
2 21	12 11.99	+22 48.2	2.559	3.448	8.4	20.9
3 2	12 5.79	+23 59.1	2.501	3.428	6.8	20.8
3 12	11 58.33	+25 0.4	2.470	3.408	6.5	20.7
3 22	11 50.26	+25 46.3	2.467	3.387	7.6	20.8
4 1	11 42.38	+26 12.3	2.491	3.366	9.5	20.8
4 11	11 35.44	+26 16.9	2.539	3.345	11.7	21.0
4 21	11 30.02	+26 0.5	2.608	3.324	13.8	21.1

48289 2002 HM_{15} 3 18.5 131.°87 0.°6/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.84	− 0 49.1	2.109	2.914	13.2	19.7
2 21	12 11.69	− 0 6.1	2.030	2.921	10.1	19.5
3 2	12 5.63	+ 0 49.4	1.975	2.928	6.5	19.3
3 12	11 58.25	+ 1 53.0	1.947	2.935	2.5	19.1
3 22	11 50.33	+ 2 58.6	1.948	2.942	1.8	19.0
4 1	11 42.74	+ 4 0.0	1.979	2.948	5.7	19.3
4 11	11 36.29	+ 4 51.4	2.036	2.954	9.4	19.5
4 21	11 31.55	+ 5 29.2	2.118	2.960	12.6	19.7

237515 2000 SS_{6} 3 18.5 250.°72 1.°0/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.36	− 5 31.8	1.851	2.642	15.3	21.2
2 21	12 14.23	− 5 0.4	1.743	2.623	12.1	20.9
3 2	12 7.67	− 4 9.4	1.657	2.602	8.2	20.6
3 12	11 59.23	− 3 1.8	1.597	2.581	3.8	20.3
3 22	11 49.76	− 1 43.0	1.564	2.559	1.6	20.1
4 1	11 40.36	− 0 21.0	1.561	2.537	6.2	20.4
4 11	11 32.17	+ 0 55.5	1.585	2.513	10.8	20.6
4 21	11 26.03	+ 1 59.5	1.632	2.489	14.9	20.8

15764 1992 UL_{8} 3 18.5 124.°05 5.°6/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.18	−18 59.3	2.263	2.972	15.2	18.4
2 21	12 13.46	−19 11.9	2.179	2.987	12.8	18.2
3 2	12 6.77	−19 2.9	2.115	3.002	10.1	18.1
3 12	11 58.72	−18 31.9	2.076	3.016	7.4	17.9
3 22	11 50.09	−17 41.1	2.064	3.030	5.7	17.8
4 1	11 41.80	−16 35.1	2.081	3.043	6.2	17.9
4 11	11 34.68	−15 20.8	2.125	3.055	8.4	18.0
4 21	11 29.32	−14 5.4	2.195	3.067	11.0	18.2

387201 2012 TL_{307} 3 18.5 44.°87 5.°6/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.81	−19 31.1	2.140	2.861	15.7	20.6
2 21	12 9.54	−19 30.7	2.052	2.867	13.2	20.4
3 2	12 4.34	−19 6.4	1.983	2.873	10.5	20.2
3 12	11 57.77	−18 18.1	1.938	2.880	7.7	20.1
3 22	11 50.60	−17 8.5	1.918	2.886	5.8	20.0
4 1	11 43.72	−15 43.1	1.927	2.893	6.2	20.0
4 11	11 37.96	−14 9.8	1.963	2.900	8.5	20.2
4 21	11 33.92	−12 36.7	2.024	2.907	11.3	20.3

17849 1998 HL_{134} 3 18.5 51.°26 2.°1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.81	+ 3 44.3	2.246	3.066	12.0	17.7
2 21	12 9.31	+ 4 44.7	2.167	3.068	9.0	17.5
3 2	12 4.07	+ 5 54.5	2.113	3.071	5.7	17.3
3 12	11 57.63	+ 7 8.0	2.086	3.073	2.6	17.1
3 22	11 50.68	+ 8 18.9	2.089	3.076	3.1	17.2
4 1	11 44.00	+ 9 21.1	2.121	3.078	6.4	17.4
4 11	11 38.34	+10 9.6	2.179	3.081	9.7	17.6
4 21	11 34.23	+10 42.0	2.261	3.084	12.5	17.8

167689 2004 OL 3 18.5 50.°81 16.°6/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.48	−27 35.6	1.172	1.881	26.7	19.6
2 21	12 22.32	−30 17.8	1.104	1.886	24.2	19.4
3 2	12 13.95	−32 27.7	1.051	1.893	21.4	19.2
3 12	12 2.07	−33 53.2	1.015	1.899	18.8	19.1
3 22	11 48.21	−34 25.5	0.997	1.906	17.0	19.0
4 1	11 34.61	−34 3.5	0.998	1.913	16.7	19.0
4 11	11 23.51	−32 57.5	1.018	1.920	18.0	19.1
4 21	11 16.38	−31 23.8	1.056	1.927	20.2	19.3

34914 4535 P–L 3 18.5 122.°66 0.°1/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.77	− 1 22.3	2.708	3.500	11.0	19.7
2 21	12 10.44	− 0 54.0	2.629	3.512	8.4	19.5
3 2	12 4.62	− 0 16.2	2.574	3.524	5.4	19.3
3 12	11 57.81	+ 0 27.9	2.548	3.535	2.2	19.1
3 22	11 50.61	+ 1 14.4	2.552	3.547	1.2	19.1
4 1	11 43.68	+ 1 58.9	2.586	3.558	4.4	19.3
4 11	11 37.63	+ 2 37.4	2.649	3.568	7.4	19.5
4 21	11 32.92	+ 3 7.1	2.737	3.579	10.1	19.7

522812 2016 NS_{80} 3 18.5 260.°64 1.°8/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.05	− 6 15.1	2.458	3.233	12.4	21.7
2 21	12 11.76	− 6 17.2	2.355	3.223	9.9	21.5
3 2	12 5.68	− 6 6.8	2.276	3.213	6.8	21.3
3 12	11 58.31	− 5 45.3	2.224	3.204	3.6	21.1
3 22	11 50.32	− 5 15.6	2.201	3.194	1.9	21.0
4 1	11 42.47	− 4 41.6	2.207	3.183	4.6	21.1
4 11	11 35.54	− 4 8.0	2.242	3.173	7.9	21.3
4 21	11 30.12	− 3 38.9	2.302	3.163	11.0	21.5

31463 Michalgeci 3 18.5 324.°90 2.°6/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.33	+ 2 39.9	1.302	2.145	17.6	18.2
2 21	12 12.57	+ 3 33.3	1.224	2.137	13.5	17.9
3 2	12 6.86	+ 4 43.9	1.167	2.129	8.6	17.6
3 12	11 58.94	+ 6 3.6	1.133	2.122	3.7	17.3
3 22	11 49.97	+ 7 22.0	1.125	2.115	4.2	17.3
4 1	11 41.38	+ 8 28.2	1.142	2.109	9.3	17.5
4 11	11 34.53	+ 9 13.6	1.181	2.103	14.3	17.8
4 21	11 30.32	+ 9 34.6	1.240	2.098	18.7	18.0

210972 2001 VN_{58} 3 18.5 112.°62 1.°3/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.52	+ 3 37.0	2.415	3.222	11.7	20.8
2 21	12 12.70	+ 3 55.9	2.337	3.230	8.9	20.6
3 2	12 6.16	+ 4 21.6	2.283	3.238	5.6	20.4
3 12	11 58.45	+ 4 50.2	2.257	3.245	2.3	20.2
3 22	11 50.28	+ 5 17.7	2.261	3.252	2.2	20.2
4 1	11 42.42	+ 5 39.9	2.295	3.260	5.5	20.4
4 11	11 35.59	+ 5 53.6	2.356	3.267	8.7	20.6
4 21	11 30.33	+ 5 56.8	2.442	3.274	11.5	20.8

467642 2008 SX_{16} 3 18.5 186.°37 1.°4/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.53	− 6 58.1	2.498	3.270	12.3	22.0
2 21	12 11.26	− 6 30.6	2.402	3.270	9.7	21.8
3 2	12 5.29	− 5 48.6	2.331	3.269	6.6	21.6
3 12	11 58.13	− 4 54.5	2.287	3.268	3.3	21.4
3 22	11 50.43	− 3 52.4	2.272	3.266	1.5	21.3
4 1	11 42.95	− 2 47.5	2.288	3.264	4.5	21.5
4 11	11 36.39	− 1 45.6	2.332	3.261	7.8	21.7
4 21	11 31.31	− 0 51.3	2.402	3.258	10.8	21.8

273985 2007 LZ_{24} 3 18.5 157.°37 2.°3/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.96	− 8 57.7	2.202	2.971	13.9	21.0
2 21	12 11.80	− 8 44.3	2.112	2.975	11.1	20.8
3 2	12 5.74	− 8 14.0	2.046	2.978	7.8	20.6
3 12	11 58.33	− 7 28.8	2.005	2.981	4.3	20.4
3 22	11 50.33	− 6 32.7	1.993	2.984	2.4	20.2
4 1	11 42.60	− 5 31.2	2.010	2.987	4.9	20.4
4 11	11 35.95	− 4 30.6	2.055	2.989	8.4	20.6
4 21	11 30.98	− 3 36.4	2.125	2.991	11.6	20.8

372410 2009 RD_{43} 3 18.6 153°.33 1°.1/19.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 18.80	− 4 45.9	2.392	3.169	12.7	22.4
2 21	12 13.74	− 4 31.1	2.306	3.178	9.9	22.3
3 2	12 6.87	− 4 3.5	2.244	3.186	6.6	22.1
3 12	11 58.76	− 3 25.8	2.210	3.194	3.1	21.9
3 22	11 50.13	− 2 41.9	2.206	3.201	1.4	21.7
4 1	11 41.79	− 1 56.6	2.232	3.207	4.7	22.0
4 11	11 34.50	− 1 14.8	2.287	3.213	8.1	22.2
4 21	11 28.83	− 0 40.4	2.367	3.218	11.1	22.4

411263 2010 RV_{126} 3 18.6 94°.50 2°.2/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.98	+ 4 6.0	1.739	2.560	14.9	21.5
2 21	12 15.11	+ 4 48.0	1.676	2.577	11.2	21.3
3 2	12 7.94	+ 5 39.6	1.636	2.593	7.1	21.1
3 12	11 59.21	+ 6 34.3	1.622	2.610	3.1	20.8
3 22	11 49.92	+ 7 25.2	1.637	2.625	3.4	20.9
4 1	11 41.18	+ 8 5.7	1.679	2.641	7.3	21.2
4 11	11 33.96	+ 8 31.2	1.747	2.656	11.2	21.4
4 21	11 28.86	+ 8 40.0	1.838	2.671	14.5	21.7

497898 2006 UJ_{323} 3 18.6 124°.91 0°.3/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.22	− 1 53.4	2.530	3.326	11.5	22.0
2 21	12 9.40	− 1 3.0	2.449	3.335	8.8	21.9
3 2	12 4.03	− 0 0.9	2.392	3.344	5.6	21.7
3 12	11 57.60	+ 1 8.7	2.364	3.352	2.2	21.4
3 22	11 50.75	+ 2 20.6	2.366	3.360	1.4	21.4
4 1	11 44.15	+ 3 29.3	2.399	3.369	4.8	21.6
4 11	11 38.47	+ 4 29.6	2.459	3.376	8.0	21.9
4 21	11 34.19	+ 5 18.1	2.545	3.384	10.8	22.1

160346 2003 SB_{296} 3 18.6 280°.73 4°.3/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.52	−12 27.9	2.041	2.798	15.2	20.0
2 21	12 12.58	−12 47.0	1.939	2.787	12.5	19.8
3 2	12 6.46	−12 47.5	1.858	2.776	9.4	19.6
3 12	11 58.71	−12 29.3	1.801	2.765	6.2	19.4
3 22	11 50.12	−11 54.3	1.772	2.754	4.3	19.2
4 1	11 41.67	−11 6.9	1.770	2.743	5.9	19.3
4 11	11 34.33	−10 13.6	1.795	2.732	9.2	19.5
4 21	11 28.86	− 9 21.1	1.845	2.721	12.6	19.7

150763 2001 QM_{201} 3 18.6 149°.48 1°.4/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.64	− 6 21.8	2.453	3.222	12.6	21.5
2 21	12 13.56	− 6 1.8	2.368	3.234	9.9	21.4
3 2	12 6.73	− 5 28.1	2.307	3.245	6.7	21.2
3 12	11 58.70	− 4 43.1	2.274	3.255	3.3	21.0
3 22	11 50.18	− 3 51.0	2.271	3.264	1.5	20.9
4 1	11 41.96	− 2 56.6	2.298	3.273	4.6	21.1
4 11	11 34.78	− 2 5.3	2.354	3.281	7.9	21.3
4 21	11 29.16	− 1 21.2	2.436	3.288	10.8	21.5

208995 2003 AV_{81} 3 18.6 87°.29 7°.0/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.42	+22 52.3	2.321	3.141	11.7	19.9
2 21	12 15.65	+23 48.9	2.276	3.161	9.4	19.8
3 2	12 7.99	+24 38.6	2.255	3.180	7.6	19.7
3 12	11 59.15	+25 14.5	2.262	3.200	7.0	19.7
3 22	11 49.99	+25 31.8	2.296	3.219	7.9	19.8
4 1	11 41.38	+25 28.0	2.357	3.238	9.8	20.0
4 11	11 34.11	+25 3.1	2.442	3.257	11.9	20.1
4 21	11 28.66	+24 19.7	2.548	3.275	13.8	20.3

222639 2001 XZ_{124} 3 18.6 341°.19 5°.9/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.79	−17 29.3	1.734	2.482	17.8	20.2
2 21	12 10.81	−17 35.8	1.643	2.479	15.0	20.0
3 2	12 5.44	−17 15.3	1.571	2.477	11.7	19.8
3 12	11 58.32	−16 27.0	1.521	2.475	8.3	19.6
3 22	11 50.35	−15 13.8	1.497	2.473	6.0	19.4
4 1	11 42.65	−13 42.2	1.499	2.471	6.9	19.5
4 11	11 36.30	−12 2.4	1.527	2.469	10.0	19.6
4 21	11 32.06	−10 24.5	1.578	2.468	13.6	19.8

423778 2006 EJ_{16} 3 18.6 314°.75 1°.0/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.59	+ 3 9.4	1.812	2.627	14.6	20.8
2 21	12 15.82	+ 3 5.3	1.720	2.617	11.3	20.6
3 2	12 8.61	+ 3 9.4	1.651	2.607	7.3	20.3
3 12	11 59.59	+ 3 17.9	1.609	2.597	2.9	20.0
3 22	11 49.69	+ 3 26.5	1.594	2.587	2.2	19.9
4 1	11 40.06	+ 3 30.5	1.607	2.578	6.7	20.2
4 11	11 31.79	+ 3 26.0	1.647	2.569	10.9	20.4
4 21	11 25.65	+ 3 10.7	1.710	2.561	14.7	20.6

40074 1998 KN_{63} 3 18.6 197°.88 6°.3/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.17	+18 7.5	2.237	3.065	11.7	18.9
2 21	12 13.48	+19 23.1	2.167	3.063	9.3	18.7
3 2	12 6.82	+20 37.1	2.122	3.061	7.1	18.6
3 12	11 58.77	+21 42.0	2.104	3.058	6.3	18.5
3 22	11 50.16	+22 31.0	2.115	3.055	7.5	18.6
4 1	11 41.87	+22 59.2	2.152	3.051	9.8	18.7
4 11	11 34.77	+23 4.9	2.214	3.047	12.3	18.9
4 21	11 29.44	+22 49.0	2.296	3.043	14.6	19.0

63550 2001 PX_{64} 3 18.6 88°.75 1°.2/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 18.59	+ 1 32.8	1.738	2.556	15.1	19.9
2 21	12 14.18	+ 2 2.3	1.666	2.564	11.5	19.7
3 2	12 7.42	+ 2 43.6	1.616	2.572	7.3	19.4
3 12	11 59.05	+ 3 31.5	1.592	2.580	2.9	19.2
3 22	11 50.02	+ 4 19.6	1.595	2.588	2.4	19.1
4 1	11 41.44	+ 5 1.2	1.627	2.596	6.8	19.4
4 11	11 34.30	+ 5 31.0	1.684	2.604	10.9	19.7
4 21	11 29.27	+ 5 45.9	1.764	2.611	14.5	19.9

170176 2003 MU_{1} 3 18.6 285°.99 2°.5/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.49	+ 3 30.2	1.590	2.416	15.8	20.5
2 21	12 15.66	+ 4 13.0	1.480	2.384	12.3	20.2
3 2	12 8.96	+ 5 10.8	1.392	2.351	8.0	19.8
3 12	11 59.91	+ 6 17.5	1.329	2.317	3.5	19.5
3 22	11 49.46	+ 7 24.9	1.293	2.283	3.9	19.4
4 1	11 38.93	+ 8 23.7	1.284	2.248	8.9	19.6
4 11	11 29.73	+ 9 5.6	1.300	2.213	14.0	19.8
4 21	11 22.95	+ 9 26.0	1.336	2.177	18.5	20.0

506822 2007 SQ_{24} 3 18.6 342°.19 0°.4/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.55	− 2 37.2	2.828	3.619	10.6	21.5
2 21	12 8.06	− 2 19.7	2.734	3.616	8.2	21.3
3 2	12 3.15	− 1 52.4	2.665	3.612	5.4	21.2
3 12	11 57.27	− 1 17.9	2.623	3.609	2.3	20.9
3 22	11 50.96	− 0 39.5	2.611	3.606	1.0	20.8
4 1	11 44.82	− 0 1.1	2.629	3.603	4.1	21.1
4 11	11 39.44	+ 0 33.4	2.675	3.601	7.1	21.2
4 21	11 35.28	+ 1 0.9	2.746	3.598	9.7	21.4

124285 2001 QS_{43} 3 18.6 175°.96 0°.5/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.34	− 0 44.1	1.930	2.729	14.5	21.3
2 21	12 16.14	− 0 7.9	1.845	2.732	11.1	21.1
3 2	12 8.67	+ 0 41.9	1.783	2.735	7.2	20.9
3 12	11 59.57	+ 1 40.8	1.749	2.737	2.8	20.6
3 22	11 49.75	+ 2 42.5	1.744	2.737	1.9	20.5
4 1	11 40.27	+ 3 40.2	1.768	2.737	6.3	20.8
4 11	11 32.13	+ 4 27.6	1.819	2.736	10.4	21.0
4 21	11 26.01	+ 5 0.8	1.894	2.734	13.9	21.3

507299 2011 KS_{37} 3 18.6 198°.77 4°.5/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.00	−17 37.4	2.614	3.327	13.3	21.5
2 21	12 10.91	−17 33.4	2.510	3.324	11.1	21.3
3 2	12 5.12	−17 10.2	2.427	3.321	8.7	21.1
3 12	11 58.11	−16 28.1	2.370	3.317	6.2	21.0
3 22	11 50.53	−15 29.0	2.341	3.313	4.6	20.8
4 1	11 43.12	−14 17.3	2.341	3.308	5.2	20.9
4 11	11 36.62	−12 59.1	2.370	3.302	7.5	21.0
4 21	11 31.57	−11 40.6	2.425	3.297	10.1	21.2

113687 2002 TZ_{113} 3 18.6 118°.07 3°.2/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.31	−10 21.8	2.372	3.125	13.4	19.4
2 21	12 13.45	−10 37.4	2.286	3.135	10.8	19.3
3 2	12 6.74	−10 38.0	2.222	3.144	7.9	19.1
3 12	11 58.75	−10 24.5	2.185	3.154	4.9	18.9
3 22	11 50.21	− 9 59.1	2.177	3.163	3.2	18.8
4 1	11 41.94	− 9 25.6	2.198	3.171	4.9	18.9
4 11	11 34.74	− 8 49.2	2.247	3.180	7.9	19.1
4 21	11 29.16	− 8 14.5	2.322	3.188	10.7	19.3

306681 2000 US_{13} 3 18.6 144°.27 1°.5/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.54	− 7 7.3	2.044	2.820	14.6	22.0
2 21	12 14.58	− 6 35.9	1.964	2.833	11.5	21.8
3 2	12 7.55	− 5 46.9	1.906	2.845	7.8	21.6
3 12	11 59.09	− 4 43.6	1.875	2.857	3.8	21.4
3 22	11 50.04	− 3 31.5	1.873	2.867	1.7	21.3
4 1	11 41.37	− 2 17.4	1.901	2.877	5.3	21.5
4 11	11 33.96	− 1 8.4	1.957	2.886	9.1	21.8
4 21	11 28.43	− 0 10.0	2.038	2.894	12.5	22.0

65674 1988 SM 3 18.6 253°.71 0°.6/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 33.93	+ 1 0.8	1.253	2.064	20.2	21.2
2 21	12 28.04	+ 1 0.2	1.144	2.036	16.0	20.8
3 2	12 17.86	+ 1 14.8	1.054	2.007	10.8	20.4
3 12	12 3.85	+ 1 41.0	0.988	1.975	4.4	19.9
3 22	11 47.29	+ 2 12.6	0.948	1.942	2.8	19.7
4 1	11 30.29	+ 2 40.6	0.935	1.907	10.0	20.0
4 11	11 15.15	+ 2 56.5	0.946	1.869	16.9	20.2
4 21	11 3.63	+ 2 54.8	0.978	1.830	23.0	20.5

288434 2004 EU_{25} 3 18.6 316°.77 2°.1/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.60	− 6 6.2	2.108	2.892	13.9	20.1
2 21	12 12.47	− 6 16.8	2.012	2.885	11.1	19.9
3 2	12 6.30	− 6 13.7	1.939	2.878	7.7	19.7
3 12	11 58.64	− 5 58.1	1.892	2.871	4.1	19.4
3 22	11 50.25	− 5 33.1	1.872	2.865	2.2	19.3
4 1	11 42.07	− 5 3.0	1.882	2.859	5.2	19.5
4 11	11 34.98	− 4 33.0	1.918	2.853	8.9	19.7
4 21	11 29.65	− 4 7.9	1.979	2.847	12.2	19.9

382208 2012 PA_{16} 3 18.6 69°.47 4°.1/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.66	−12 17.6	2.055	2.812	15.1	20.5
2 21	12 12.56	−12 32.9	1.965	2.813	12.4	20.4
3 2	12 6.36	−12 29.7	1.896	2.815	9.2	20.2
3 12	11 58.66	−12 8.2	1.852	2.816	6.0	20.0
3 22	11 50.25	−11 30.9	1.835	2.818	4.1	19.8
4 1	11 42.10	−10 42.6	1.846	2.820	5.6	19.9
4 11	11 35.12	− 9 49.8	1.884	2.821	8.8	20.1
4 21	11 29.96	− 8 58.7	1.947	2.823	12.1	20.3

381451 2008 RA_{23} 3 18.6 206°.90 0°.4/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.79	− 1 43.3	2.125	2.928	13.2	21.4
2 21	12 11.00	− 0 58.4	2.036	2.926	10.1	21.2
3 2	12 5.28	+ 0 0.4	1.971	2.924	6.5	21.0
3 12	11 58.20	+ 1 8.7	1.933	2.921	2.6	20.7
3 22	11 50.50	+ 2 20.7	1.924	2.918	1.6	20.7
4 1	11 43.06	+ 3 29.4	1.944	2.915	5.7	20.9
4 11	11 36.69	+ 4 28.9	1.992	2.912	9.4	21.1
4 21	11 32.00	+ 5 14.8	2.063	2.909	12.7	21.3

205448 2001 PW_{19} 3 18.6 98°.30 1°.3/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.31	− 3 58.5	2.241	3.026	13.2	20.2
2 21	12 13.51	− 4 2.8	2.157	3.032	10.3	20.0
3 2	12 6.81	− 3 55.2	2.096	3.039	6.9	19.8
3 12	11 58.79	− 3 38.0	2.063	3.046	3.3	19.6
3 22	11 50.21	− 3 14.3	2.058	3.053	1.5	19.5
4 1	11 41.93	− 2 48.4	2.083	3.059	4.9	19.7
4 11	11 34.75	− 2 24.7	2.136	3.066	8.4	20.0
4 21	11 29.27	− 2 7.0	2.214	3.072	11.5	20.2

420585 2012 HX_{28} 3 18.6 1°.44 1°.6/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.86	+ 0 53.6	1.423	2.259	16.8	21.0
2 21	12 11.12	+ 1 39.3	1.349	2.258	12.8	20.8
3 2	12 5.75	+ 2 41.6	1.297	2.257	8.2	20.5
3 12	11 58.48	+ 3 53.7	1.268	2.257	3.2	20.2
3 22	11 50.36	+ 5 6.7	1.266	2.258	3.0	20.2
4 1	11 42.67	+ 6 11.0	1.289	2.259	8.0	20.5
4 11	11 36.56	+ 6 58.8	1.336	2.262	12.7	20.8
4 21	11 32.81	+ 7 26.1	1.404	2.264	16.7	21.0

104650 2000 GY_{132} 3 18.6 282°.55 0°.3/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.00	− 3 4.0	1.759	2.570	15.2	19.8
2 21	12 10.95	− 2 9.5	1.659	2.553	11.8	19.6
3 2	12 5.57	− 0 55.1	1.581	2.535	7.7	19.3
3 12	11 58.42	+ 0 34.5	1.529	2.517	3.1	18.9
3 22	11 50.36	+ 2 11.8	1.505	2.499	1.9	18.8
4 1	11 42.45	+ 3 47.2	1.509	2.481	6.8	19.1
4 11	11 35.76	+ 5 11.3	1.539	2.463	11.4	19.3
4 21	11 31.08	+ 6 17.7	1.591	2.446	15.4	19.5

285621 2000 RZ_{17} 3 18.6 203°.69 2°.3/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.69	−10 4.8	3.185	3.928	10.5	21.5
2 21	12 11.08	−10 4.1	3.078	3.922	8.5	21.3
3 2	12 5.07	− 9 51.4	2.995	3.916	6.1	21.1
3 12	11 58.06	− 9 27.9	2.940	3.910	3.7	21.0
3 22	11 50.59	− 8 55.5	2.915	3.902	2.3	20.8
4 1	11 43.24	− 8 17.4	2.921	3.895	3.8	20.9
4 11	11 36.60	− 7 37.3	2.957	3.887	6.3	21.1
4 21	11 31.14	− 6 59.0	3.020	3.878	8.8	21.2

105899 2000 SH_{189} 3 18.6 247°.64 2°.9/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.38	−12 33.7	2.738	3.481	12.1	20.4
2 21	12 9.63	−12 16.7	2.624	3.466	9.9	20.2
3 2	12 4.29	−11 43.2	2.534	3.452	7.3	20.0
3 12	11 57.80	−10 54.4	2.470	3.436	4.5	19.8
3 22	11 50.74	− 9 52.9	2.435	3.421	2.9	19.7
4 1	11 43.78	− 8 43.3	2.430	3.405	4.4	19.8
4 11	11 37.61	− 7 31.0	2.454	3.389	7.2	19.9
4 21	11 32.77	− 6 21.7	2.505	3.373	10.0	20.1

87590 2000 RO_{24} 3 18.6 142°.12 2°.7/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.29	−11 6.9	2.671	3.422	12.2	20.4
2 21	12 10.22	−10 57.7	2.580	3.428	9.8	20.3
3 2	12 4.59	−10 33.4	2.512	3.434	7.1	20.1
3 12	11 57.88	− 9 55.6	2.470	3.440	4.3	19.9
3 22	11 50.71	− 9 7.1	2.458	3.445	2.7	19.8
4 1	11 43.77	− 8 12.1	2.475	3.450	4.3	19.9
4 11	11 37.69	− 7 15.9	2.521	3.455	7.1	20.1
4 21	11 32.99	− 6 23.1	2.593	3.460	9.7	20.3

346233 2008 AY_{37} 3 18.6 95°.48 1°.6/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.41	− 7 14.1	2.550	3.320	12.2	22.2
2 21	12 11.02	− 6 57.9	2.475	3.339	9.6	22.0
3 2	12 5.05	− 6 28.5	2.423	3.359	6.6	21.9
3 12	11 58.05	− 5 48.1	2.398	3.377	3.4	21.7
3 22	11 50.65	− 5 0.4	2.403	3.396	1.7	21.6
4 1	11 43.56	− 4 10.1	2.438	3.414	4.2	21.8
4 11	11 37.44	− 3 21.9	2.501	3.432	7.3	22.0
4 21	11 32.76	− 2 40.0	2.591	3.450	10.0	22.2

410401 2007 XZ_{21} 3 18.6 117°.57 4°.7/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 20.74	+10 9.8	1.711	2.543	14.6	21.0
2 21	12 15.83	+11 11.7	1.648	2.554	11.1	20.8
3 2	12 8.49	+12 18.4	1.609	2.565	7.4	20.6
3 12	11 59.50	+13 21.5	1.596	2.575	4.8	20.5
3 22	11 49.90	+14 13.0	1.611	2.585	5.9	20.6
4 1	11 40.83	+14 46.6	1.653	2.595	9.2	20.8
4 11	11 33.34	+14 59.0	1.719	2.604	12.7	21.0
4 21	11 28.07	+14 50.3	1.807	2.613	15.9	21.2

248122 2004 RB_{199} 3 18.6 134°.94 4°.2/24.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.40	−17 13.9	2.556	3.271	13.5	21.4
2 21	12 11.89	−17 2.5	2.469	3.285	11.2	21.2
3 2	12 5.69	−16 31.6	2.403	3.299	8.6	21.1
3 12	11 58.34	−15 42.1	2.363	3.312	6.0	20.9
3 22	11 50.51	−14 36.7	2.351	3.325	4.3	20.8
4 1	11 42.98	−13 20.3	2.369	3.337	5.0	20.9
4 11	11 36.45	−11 59.3	2.416	3.348	7.4	21.1
4 21	11 31.43	−10 40.0	2.489	3.359	10.0	21.3

26031 6074 $P–L$ 3 18.6 223°.48 0°.1/18.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.66	− 2 22.6	1.648	2.453	16.3	20.0
2 21	12 16.18	− 1 56.8	1.555	2.445	12.7	19.8
3 2	12 9.02	− 1 13.9	1.485	2.436	8.4	19.5
3 12	11 59.85	− 0 17.7	1.440	2.427	3.5	19.2
3 22	11 49.67	+ 0 45.3	1.422	2.417	1.7	19.0
4 1	11 39.74	+ 1 46.9	1.433	2.407	6.9	19.3
4 11	11 31.28	+ 2 39.4	1.469	2.396	11.7	19.5
4 21	11 25.15	+ 3 17.2	1.528	2.384	15.8	19.8

110179 2001 SF_{175} 3 18.6 72°.79 3°.2/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.94	+ 6 35.2	1.676	2.505	15.0	19.7
2 21	12 15.14	+ 7 21.2	1.620	2.525	11.3	19.5
3 2	12 7.98	+ 8 14.5	1.587	2.545	7.2	19.3
3 12	11 59.27	+ 9 7.8	1.580	2.565	3.7	19.1
3 22	11 50.06	+ 9 53.9	1.601	2.585	4.3	19.2
4 1	11 41.46	+10 26.6	1.649	2.605	8.0	19.4
4 11	11 34.45	+10 42.2	1.722	2.625	11.7	19.7
4 21	11 29.61	+10 39.9	1.817	2.645	14.9	19.9

464674 2001 TD_{86} 3 18.6 138°.63 1°.4/20.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.21	− 6 35.6	2.265	3.039	13.4	22.4
2 21	12 13.39	− 6 13.0	2.184	3.052	10.5	22.2
3 2	12 6.71	− 5 35.3	2.126	3.065	7.1	22.0
3 12	11 58.76	− 4 45.5	2.095	3.076	3.5	21.8
3 22	11 50.30	− 3 47.8	2.093	3.087	1.6	21.7
4 1	11 42.17	− 2 48.0	2.122	3.098	4.8	21.9
4 11	11 35.15	− 1 51.8	2.179	3.107	8.3	22.1
4 21	11 29.81	− 1 4.0	2.261	3.116	11.4	22.3

466757 2015 AC_{133} 3 18.6 171°.17 2°.0/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.02	+ 3 54.7	2.089	2.905	12.9	21.9
2 21	12 12.69	+ 4 41.3	2.008	2.907	9.8	21.7
3 2	12 6.36	+ 5 37.1	1.952	2.909	6.2	21.5
3 12	11 58.66	+ 6 36.7	1.923	2.910	2.7	21.2
3 22	11 50.35	+ 7 33.9	1.923	2.911	3.1	21.3
4 1	11 42.36	+ 8 22.6	1.951	2.912	6.6	21.5
4 11	11 35.53	+ 8 58.0	2.007	2.912	10.2	21.7
4 21	11 30.46	+ 9 17.8	2.085	2.912	13.3	21.9

271839 2004 TG_{199} 3 18.6 126°.25 0°.5/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.69	− 4 1.0	2.305	3.092	12.8	21.5
2 21	12 12.18	− 3 27.9	2.227	3.106	9.9	21.3
3 2	12 5.91	− 2 41.4	2.173	3.119	6.5	21.2
3 12	11 58.43	− 1 45.2	2.147	3.132	2.8	20.9
3 22	11 50.49	− 0 44.1	2.150	3.145	1.2	20.8
4 1	11 42.88	+ 0 16.1	2.183	3.157	4.9	21.1
4 11	11 36.34	+ 1 10.1	2.244	3.168	8.3	21.3
4 21	11 31.39	+ 1 53.8	2.330	3.180	11.3	21.5

249554 2010 JL_{150} 3 18.6 335°.67 1°.3/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.51	− 4 39.5	1.794	2.599	15.2	20.3
2 21	12 10.46	− 4 28.7	1.702	2.589	11.9	20.0
3 2	12 5.18	− 4 1.4	1.632	2.580	8.1	19.8
3 12	11 58.26	− 3 20.1	1.587	2.571	3.8	19.5
3 22	11 50.54	− 2 29.9	1.568	2.563	1.6	19.3
4 1	11 43.05	− 1 37.1	1.577	2.555	5.8	19.6
4 11	11 36.78	− 0 48.8	1.612	2.548	10.1	19.8
4 21	11 32.47	− 0 10.5	1.669	2.542	13.9	20.0

171082 2005 ER_{188} 3 18.6 32°.33 0°.6/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.93	− 3 20.8	1.272	2.100	18.9	20.6
2 21	12 12.88	− 3 0.5	1.209	2.110	14.6	20.4
3 2	12 6.95	− 2 19.3	1.165	2.120	9.6	20.1
3 12	11 58.99	− 1 22.6	1.145	2.132	4.1	19.8
3 22	11 50.21	− 0 18.4	1.149	2.144	1.8	19.7
4 1	11 42.04	+ 0 43.7	1.179	2.157	7.3	20.1
4 11	11 35.71	+ 1 34.7	1.232	2.171	12.3	20.4
4 21	11 31.97	+ 2 8.9	1.306	2.185	16.6	20.7

175656 3397 T-3 3 18.6 196°.54 1°.7/16.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 20.20	+ 2 52.8	1.984	2.794	13.7	21.1
2 21	12 15.28	+ 3 31.3	1.897	2.792	10.5	20.9
3 2	12 8.15	+ 4 20.4	1.833	2.789	6.7	20.6
3 12	11 59.43	+ 5 14.8	1.797	2.785	2.8	20.4
3 22	11 49.98	+ 6 8.2	1.790	2.781	2.8	20.4
4 1	11 40.82	+ 6 54.3	1.812	2.776	6.8	20.6
4 11	11 32.92	+ 7 28.0	1.861	2.770	10.6	20.8
4 21	11 26.97	+ 7 46.3	1.933	2.764	14.0	21.0

381141 2007 EJ_{191} 3 18.6 217°.65 1°.9/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.92	+ 5 24.7	2.477	3.282	11.5	21.7
2 21	12 14.67	+ 5 51.9	2.381	3.273	8.7	21.5
3 2	12 7.57	+ 6 25.2	2.310	3.264	5.6	21.2
3 12	11 59.16	+ 7 0.6	2.267	3.254	2.5	21.0
3 22	11 50.13	+ 7 33.5	2.255	3.243	2.8	21.0
4 1	11 41.29	+ 7 59.5	2.273	3.231	6.0	21.2
4 11	11 33.45	+ 8 15.1	2.319	3.219	9.2	21.4
4 21	11 27.18	+ 8 18.4	2.389	3.207	12.1	21.6

377344 2004 QQ_{19} 3 18.6 273°.47 3°.7/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.52	−10 54.3	2.013	2.777	15.2	21.2
2 21	12 13.51	−11 3.8	1.899	2.755	12.4	20.9
3 2	12 7.22	−10 54.7	1.807	2.733	9.2	20.7
3 12	11 59.15	−10 27.2	1.740	2.710	5.7	20.4
3 22	11 50.09	− 9 43.5	1.700	2.687	3.7	20.2
4 1	11 41.05	− 8 48.3	1.688	2.664	5.8	20.3
4 11	11 33.09	− 7 48.7	1.703	2.640	9.6	20.5
4 21	11 27.02	− 6 51.8	1.743	2.616	13.4	20.7

17884 Jeffthompson 3 18.6 296°.88 0°.1/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.65	− 1 59.9	1.419	2.243	17.5	18.4
2 21	12 13.49	− 1 32.3	1.331	2.231	13.6	18.1
3 2	12 7.49	− 0 45.1	1.264	2.220	9.0	17.8
3 12	11 59.31	+ 0 16.9	1.221	2.209	3.6	17.5
3 22	11 50.03	+ 1 26.2	1.203	2.198	2.0	17.3
4 1	11 41.01	+ 2 33.2	1.212	2.187	7.6	17.7
4 11	11 33.59	+ 3 28.7	1.244	2.177	12.8	17.9
4 21	11 28.68	+ 4 6.6	1.298	2.167	17.3	18.2

380171 2000 RK_{20} 3 18.6 251°.55 0°.9/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.71	− 6 24.2	2.289	3.068	13.1	21.9
2 21	12 11.76	− 5 39.4	2.174	3.047	10.4	21.7
3 2	12 5.88	− 4 36.8	2.084	3.026	7.0	21.4
3 12	11 58.55	− 3 19.3	2.020	3.004	3.3	21.1
3 22	11 50.45	− 1 52.1	1.986	2.981	1.3	20.9
4 1	11 42.42	− 0 21.9	1.983	2.958	5.2	21.2
4 11	11 35.32	+ 1 3.8	2.007	2.934	9.0	21.4
4 21	11 29.82	+ 2 18.7	2.058	2.909	12.5	21.5

321704 2010 FP_{96} 3 18.6 271°.03 0°.2/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.62	− 0 58.0	2.174	2.977	12.9	21.2
2 21	12 11.65	− 0 35.5	2.080	2.970	10.0	21.0
3 2	12 5.75	− 0 1.3	2.010	2.962	6.5	20.8
3 12	11 58.46	+ 0 41.3	1.967	2.954	2.6	20.5
3 22	11 50.51	+ 1 27.4	1.952	2.947	1.5	20.4
4 1	11 42.78	+ 2 11.7	1.966	2.939	5.5	20.7
4 11	11 36.09	+ 2 48.9	2.008	2.931	9.2	20.9
4 21	11 31.06	+ 3 15.4	2.073	2.923	12.5	21.1

276205 2002 QZ_{70} 3 18.6 236°.08 2°.9/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.84	+ 5 42.9	2.336	3.157	11.6	21.3
2 21	12 10.18	+ 7 2.9	2.245	3.147	8.7	21.1
3 2	12 4.75	+ 8 32.2	2.180	3.138	5.6	20.9
3 12	11 58.04	+10 4.6	2.144	3.128	3.1	20.7
3 22	11 50.74	+11 32.9	2.138	3.117	4.0	20.8
4 1	11 43.62	+12 50.2	2.161	3.107	7.1	21.0
4 11	11 37.44	+13 51.4	2.210	3.096	10.3	21.1
4 21	11 32.80	+14 33.8	2.283	3.085	13.1	21.3

284466 2007 GF_{56} 3 18.6 190°.37 2°.4/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.13	+ 3 22.4	1.737	2.556	15.0	21.7
2 21	12 15.52	+ 4 19.8	1.655	2.555	11.4	21.4
3 2	12 8.45	+ 5 29.9	1.597	2.554	7.3	21.2
3 12	11 59.60	+ 6 45.6	1.565	2.552	3.2	20.9
3 22	11 49.95	+ 7 58.9	1.561	2.549	3.7	20.9
4 1	11 40.64	+ 9 1.3	1.586	2.546	7.9	21.2
4 11	11 32.77	+ 9 46.8	1.636	2.542	12.0	21.4
4 21	11 27.09	+10 12.3	1.708	2.538	15.7	21.6

287626 2003 HT_{29} 3 18.6 322°.66 2°.5/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.45	+ 3 39.4	1.213	2.061	18.4	20.0
2 21	12 13.80	+ 4 7.9	1.130	2.045	14.2	19.7
3 2	12 7.95	+ 4 51.3	1.067	2.030	9.1	19.4
3 12	11 59.58	+ 5 42.8	1.027	2.015	3.9	19.0
3 22	11 49.91	+ 6 33.0	1.010	2.001	4.1	19.0
4 1	11 40.52	+ 7 12.1	1.018	1.988	9.6	19.3
4 11	11 32.98	+ 7 32.3	1.047	1.976	15.0	19.5
4 21	11 28.32	+ 7 30.1	1.095	1.965	19.8	19.8

50218 2000 AA_{237} 3 18.6 5°.34 6°.0/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.85	−12 9.2	1.121	1.929	22.2	17.9
2 21	12 12.70	−12 47.2	1.049	1.928	18.3	17.7
3 2	12 7.24	−12 55.9	0.994	1.929	13.7	17.4
3 12	11 59.28	−12 33.9	0.959	1.930	8.9	17.1
3 22	11 50.09	−11 44.2	0.946	1.932	6.0	17.0
4 1	11 41.36	−10 35.5	0.956	1.936	8.3	17.1
4 11	11 34.65	− 9 20.3	0.988	1.940	12.9	17.4
4 21	11 30.95	− 8 10.6	1.040	1.946	17.6	17.7

27217 1999 CC_{154} 3 18.6 175°.93 0°.2/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.86	− 2 29.7	2.454	3.246	12.0	18.1
2 21	12 10.79	− 2 0.7	2.364	3.247	9.2	17.9
3 2	12 5.05	− 1 20.0	2.299	3.248	6.0	17.7
3 12	11 58.15	− 0 30.9	2.262	3.249	2.5	17.5
3 22	11 50.72	+ 0 22.2	2.254	3.249	1.2	17.4
4 1	11 43.53	+ 1 14.2	2.276	3.249	4.8	17.7
4 11	11 37.28	+ 2 0.3	2.326	3.249	8.1	17.9
4 21	11 32.49	+ 2 36.8	2.401	3.249	11.1	18.1

398678 2012 VS_{65} 3 18.6 19°.63 4°.5/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.26	+11 49.8	2.009	2.845	12.6	20.3
2 21	12 11.40	+12 42.8	1.941	2.848	9.6	20.1
3 2	12 5.56	+13 38.5	1.898	2.853	6.5	20.0
3 12	11 58.36	+14 29.9	1.881	2.857	4.6	19.9
3 22	11 50.63	+15 10.7	1.892	2.863	5.6	19.9
4 1	11 43.28	+15 35.8	1.930	2.868	8.4	20.1
4 11	11 37.15	+15 42.4	1.993	2.874	11.5	20.3
4 21	11 32.81	+15 30.4	2.078	2.880	14.2	20.5

238005 2002 TT_{140} 3 18.6 227°.33 0°.2/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.17	− 0 41.2	2.349	3.147	12.2	21.0
2 21	12 11.92	− 0 17.8	2.254	3.141	9.4	20.8
3 2	12 5.85	+ 0 16.4	2.184	3.135	6.1	20.6
3 12	11 58.49	+ 0 58.0	2.141	3.129	2.4	20.3
3 22	11 50.54	+ 1 42.5	2.128	3.122	1.4	20.2
4 1	11 42.79	+ 2 25.1	2.144	3.116	5.2	20.5
4 11	11 36.01	+ 3 0.9	2.188	3.109	8.7	20.7
4 21	11 30.80	+ 3 26.6	2.257	3.102	11.8	20.8

422455 2014 SF_{312} 3 18.6 182°.98 0°.3/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.82	− 2 43.1	2.105	2.895	13.7	22.8
2 21	12 14.87	− 2 16.5	2.015	2.896	10.7	22.6
3 2	12 7.84	− 1 36.2	1.948	2.896	7.0	22.4
3 12	11 59.32	− 0 45.7	1.909	2.896	2.9	22.1
3 22	11 50.12	+ 0 9.8	1.900	2.895	1.4	22.0
4 1	11 41.19	+ 1 4.4	1.920	2.893	5.5	22.3
4 11	11 33.45	+ 1 52.1	1.967	2.890	9.4	22.5
4 21	11 27.53	+ 2 28.8	2.040	2.887	12.8	22.7

55052 2001 QU_{68} 3 18.6 146°.82 1°.4/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.84	+ 4 21.6	2.961	3.762	9.9	19.7
2 21	12 11.92	+ 4 51.1	2.882	3.772	7.5	19.5
3 2	12 5.58	+ 5 26.0	2.829	3.782	4.7	19.4
3 12	11 58.31	+ 6 2.9	2.805	3.792	2.0	19.2
3 22	11 50.67	+ 6 38.0	2.812	3.801	2.1	19.2
4 1	11 43.29	+ 7 7.7	2.850	3.809	4.8	19.4
4 11	11 36.75	+ 7 29.1	2.916	3.817	7.5	19.6
4 21	11 31.48	+ 7 40.6	3.008	3.825	9.9	19.7

466510 2014 OP_{122} 3 18.6 81°.50 1°.7/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.16	+ 1 18.1	1.493	2.318	16.7	21.8
2 21	12 14.88	+ 2 9.4	1.432	2.335	12.7	21.6
3 2	12 8.02	+ 3 15.3	1.394	2.352	8.0	21.3
3 12	11 59.39	+ 4 28.4	1.380	2.369	3.2	21.1
3 22	11 50.13	+ 5 39.8	1.394	2.386	3.1	21.1
4 1	11 41.48	+ 6 40.8	1.435	2.402	7.7	21.4
4 11	11 34.53	+ 7 24.9	1.500	2.419	12.1	21.7
4 21	11 29.95	+ 7 49.4	1.587	2.435	15.8	22.0

100660 1997 WL_{21} 3 18.6 99°.82 0°.6/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.64	− 0 52.4	1.979	2.782	14.1	19.7
2 21	12 13.87	− 0 10.5	1.914	2.804	10.7	19.5
3 2	12 7.07	+ 0 44.0	1.872	2.825	6.8	19.3
3 12	11 58.95	+ 1 46.2	1.858	2.846	2.7	19.1
3 22	11 50.36	+ 2 49.6	1.872	2.866	1.8	19.1
4 1	11 42.24	+ 3 47.9	1.916	2.886	5.8	19.4
4 11	11 35.43	+ 4 35.5	1.987	2.906	9.6	19.6
4 21	11 30.48	+ 5 9.2	2.082	2.925	12.7	19.9

377859 2006 BJ_{232} 3 18.6 159°.58 3°.2/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.87	+ 7 20.0	2.085	2.909	12.7	21.1
2 21	12 12.59	+ 8 16.8	2.009	2.912	9.6	20.9
3 2	12 6.33	+ 9 20.4	1.957	2.914	6.2	20.7
3 12	11 58.69	+10 24.4	1.933	2.917	3.5	20.5
3 22	11 50.48	+11 22.1	1.938	2.919	4.3	20.5
4 1	11 42.60	+12 7.6	1.971	2.921	7.5	20.7
4 11	11 35.89	+12 36.9	2.030	2.922	10.8	20.9
4 21	11 30.95	+12 48.4	2.112	2.924	13.7	21.1

150291 1999 TH_{158} 3 18.6 157°.93 0°.4/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 23.48	− 2 14.8	1.661	2.461	16.4	20.6
2 21	12 18.15	− 1 59.6	1.582	2.468	12.7	20.4
3 2	12 10.18	− 1 28.8	1.525	2.474	8.4	20.2
3 12	12 0.31	− 0 46.4	1.493	2.480	3.5	19.9
3 22	11 49.63	+ 0 1.7	1.490	2.485	1.6	19.8
4 1	11 39.39	+ 0 48.4	1.514	2.489	6.6	20.1
4 11	11 30.75	+ 1 27.1	1.566	2.492	11.1	20.3
4 21	11 24.48	+ 1 53.3	1.640	2.495	15.0	20.6

26207 1997 QU 3 18.6 139°.42 0°.6/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.30	− 4 33.7	2.380	3.159	12.7	19.9
2 21	12 13.37	− 3 58.0	2.300	3.174	9.8	19.8
3 2	12 6.68	− 3 8.9	2.245	3.189	6.5	19.6
3 12	11 58.80	− 2 9.7	2.217	3.202	2.9	19.4
3 22	11 50.46	− 1 5.5	2.220	3.215	1.2	19.2
4 1	11 42.45	− 0 1.8	2.253	3.227	4.8	19.5
4 11	11 35.50	+ 0 55.9	2.315	3.238	8.2	19.7
4 21	11 30.14	+ 1 43.6	2.403	3.249	11.1	20.0

491758 2012 VL_{89} 3 18.6 258°.65 3°.2/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.79	−12 14.0	2.370	3.123	13.5	21.6
2 21	12 10.18	−12 5.3	2.268	3.116	11.0	21.4
3 2	12 4.79	−11 38.7	2.188	3.109	8.1	21.2
3 12	11 58.10	−10 55.4	2.134	3.102	5.1	21.0
3 22	11 50.80	− 9 58.2	2.108	3.094	3.2	20.9
4 1	11 43.66	− 8 52.3	2.111	3.087	4.9	21.0
4 11	11 37.47	− 7 43.7	2.143	3.080	7.9	21.2
4 21	11 32.80	− 6 38.6	2.199	3.072	11.0	21.3

344592 2003 BU_{93} 3 18.6 53°.02 2°.1/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.35	+ 3 44.9	2.209	3.029	12.2	20.5
2 21	12 9.81	+ 4 41.8	2.131	3.033	9.2	20.3
3 2	12 4.50	+ 5 48.0	2.078	3.036	5.8	20.1
3 12	11 57.96	+ 6 57.9	2.053	3.040	2.6	19.9
3 22	11 50.90	+ 8 5.1	2.057	3.044	3.1	19.9
4 1	11 44.14	+ 9 3.7	2.089	3.048	6.4	20.1
4 11	11 38.41	+ 9 48.8	2.148	3.052	9.7	20.3
4 21	11 34.26	+10 18.0	2.231	3.056	12.6	20.5

350351 2012 UT_{118} 3 18.6 142°.46 4°.2/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.10	+13 28.1	2.504	3.327	10.8	20.8
2 21	12 12.42	+14 16.3	2.433	3.332	8.3	20.6
3 2	12 6.06	+15 5.2	2.387	3.336	5.8	20.5
3 12	11 58.56	+15 49.4	2.369	3.341	4.3	20.4
3 22	11 50.61	+16 23.7	2.381	3.345	5.1	20.4
4 1	11 42.98	+16 44.2	2.421	3.349	7.5	20.6
4 11	11 36.38	+16 48.9	2.487	3.353	10.0	20.8
4 21	11 31.30	+16 37.6	2.576	3.356	12.4	20.9

72022 2000 XE_{22} 3 18.6 227°.66 2°.0/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.22	− 5 43.3	1.833	2.618	15.7	19.9
2 21	12 16.41	− 5 47.0	1.736	2.610	12.5	19.6
3 2	12 9.12	− 5 34.6	1.660	2.601	8.6	19.4
3 12	11 59.96	− 5 7.7	1.610	2.592	4.4	19.1
3 22	11 49.84	− 4 30.1	1.588	2.582	2.1	18.9
4 1	11 39.91	− 3 47.5	1.594	2.571	6.0	19.1
4 11	11 31.30	− 3 6.5	1.628	2.560	10.3	19.4
4 21	11 24.83	− 2 32.9	1.685	2.549	14.2	19.6

402045 2003 SP_{279} 3 18.6 132°.87 2°.7/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.03	− 8 7.4	1.987	2.754	15.3	22.4
2 21	12 17.36	− 8 15.6	1.908	2.768	12.2	22.2
3 2	12 9.46	− 8 7.4	1.851	2.782	8.5	22.0
3 12	11 59.99	− 7 44.3	1.820	2.796	4.8	21.8
3 22	11 49.87	− 7 9.6	1.818	2.808	2.7	21.7
4 1	11 40.17	− 6 28.5	1.845	2.820	5.4	21.9
4 11	11 31.83	− 5 47.1	1.900	2.831	9.1	22.2
4 21	11 25.51	− 5 10.8	1.980	2.842	12.5	22.4

191814 2004 TT_{292} 3 18.6 228°.55 1°.9/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.56	− 6 25.3	2.422	3.190	12.8	21.1
2 21	12 14.56	− 6 28.7	2.314	3.178	10.2	20.9
3 2	12 7.63	− 6 19.3	2.231	3.166	7.1	20.7
3 12	11 59.28	− 5 58.3	2.174	3.153	3.7	20.4
3 22	11 50.20	− 5 28.6	2.147	3.140	2.0	20.3
4 1	11 41.25	− 4 54.1	2.151	3.126	4.8	20.4
4 11	11 33.25	− 4 19.6	2.182	3.111	8.3	20.6
4 21	11 26.85	− 3 49.6	2.240	3.097	11.4	20.8

459111 2012 BS_{117} 3 18.6 355°.95 2°.3/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.29	− 5 53.4	1.449	2.257	18.0	21.0
2 21	12 13.85	− 5 59.8	1.368	2.255	14.3	20.8
3 2	12 7.65	− 5 46.4	1.307	2.254	9.8	20.5
3 12	11 59.38	− 5 15.4	1.270	2.253	5.0	20.2
3 22	11 50.15	− 4 31.6	1.258	2.252	2.4	20.0
4 1	11 41.28	− 3 42.4	1.272	2.252	6.7	20.3
4 11	11 34.04	− 2 56.2	1.311	2.253	11.5	20.6
4 21	11 29.26	− 2 19.7	1.372	2.253	15.8	20.8

272957 2006 CF_{18} 3 18.6 41°.22 4°.8/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.57	+ 9 24.0	1.706	2.548	14.2	20.0
2 21	12 11.22	+10 48.9	1.643	2.555	10.7	19.8
3 2	12 5.61	+12 20.4	1.604	2.562	7.2	19.6
3 12	11 58.45	+13 49.5	1.592	2.570	4.9	19.5
3 22	11 50.67	+15 6.8	1.606	2.578	6.2	19.6
4 1	11 43.34	+16 4.8	1.647	2.587	9.5	19.8
4 11	11 37.41	+16 39.1	1.712	2.595	12.9	20.0
4 21	11 33.51	+16 49.4	1.798	2.604	15.9	20.2

413945 2006 YG_{47} 3 18.6 73°.65 3°.0/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.19	− 9 16.8	1.730	2.512	16.6	20.7
2 21	12 13.27	− 9 13.7	1.651	2.520	13.3	20.5
3 2	12 6.99	− 8 50.2	1.593	2.528	9.4	20.2
3 12	11 59.04	− 8 8.1	1.560	2.536	5.3	20.0
3 22	11 50.37	− 7 12.0	1.553	2.544	3.0	19.9
4 1	11 42.08	− 6 8.8	1.574	2.552	5.8	20.1
4 11	11 35.20	− 5 6.5	1.621	2.560	9.8	20.3
4 21	11 30.43	− 4 11.9	1.692	2.569	13.5	20.6

74647 1999 RH_{71} 3 18.6 173°.52 0°.4/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.06	− 0 43.2	2.034	2.833	13.9	20.8
2 21	12 15.11	− 0 11.8	1.949	2.836	10.7	20.6
3 2	12 8.02	+ 0 32.3	1.888	2.839	6.9	20.4
3 12	11 59.43	+ 1 24.8	1.853	2.841	2.7	20.1
3 22	11 50.17	+ 2 20.1	1.848	2.842	1.7	20.0
4 1	11 41.23	+ 3 11.9	1.873	2.843	5.9	20.3
4 11	11 33.52	+ 3 54.7	1.924	2.843	9.8	20.5
4 21	11 27.69	+ 4 24.8	2.000	2.842	13.2	20.7

246464 2007 VR_{298} 3 18.6 122°.93 3°.8/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.82	+ 9 14.8	2.450	3.275	11.0	20.9
2 21	12 9.98	+10 45.2	2.382	3.285	8.2	20.7
3 2	12 4.52	+12 20.7	2.341	3.296	5.5	20.6
3 12	11 57.95	+13 54.4	2.329	3.305	3.8	20.5
3 22	11 50.95	+15 19.5	2.347	3.315	4.9	20.6
4 1	11 44.23	+16 30.1	2.394	3.324	7.4	20.7
4 11	11 38.48	+17 22.5	2.468	3.333	10.1	20.9
4 21	11 34.18	+17 55.5	2.564	3.342	12.5	21.1

503266 2015 MS_{1} 3 18.6 165°.65 4°.0/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.94	−14 0.9	2.430	3.170	13.5	21.2
2 21	12 10.99	−14 9.1	2.335	3.171	11.1	21.0
3 2	12 5.28	−13 59.8	2.262	3.171	8.4	20.9
3 12	11 58.30	−13 33.7	2.213	3.172	5.7	20.7
3 22	11 50.75	−12 52.8	2.193	3.172	4.0	20.6
4 1	11 43.39	−12 1.3	2.201	3.173	5.1	20.6
4 11	11 36.99	−11 4.8	2.237	3.173	7.7	20.8
4 21	11 32.12	−10 9.0	2.299	3.173	10.5	21.0

472115 2014 BB_{8} 3 18.6 201°.93 2°.8/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.93	− 9 21.4	2.477	3.236	12.8	21.4
2 21	12 12.45	− 9 32.4	2.380	3.234	10.3	21.2
3 2	12 6.20	− 9 29.6	2.307	3.233	7.4	21.0
3 12	11 58.68	− 9 13.7	2.260	3.231	4.4	20.8
3 22	11 50.57	− 8 47.1	2.241	3.229	2.8	20.7
4 1	11 42.64	− 8 13.4	2.252	3.227	4.7	20.8
4 11	11 35.66	− 7 37.5	2.292	3.225	7.7	21.0
4 21	11 30.20	− 7 3.9	2.357	3.223	10.6	21.2

135184 2001 QM_{329} 3 18.6 224°.94 1°.0/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.66	+ 0 14.3	2.349	3.155	12.0	20.5
2 21	12 10.01	+ 1 5.8	2.258	3.151	9.1	20.3
3 2	12 4.64	+ 2 9.0	2.192	3.147	5.8	20.1
3 12	11 58.05	+ 3 19.2	2.154	3.142	2.3	19.8
3 22	11 50.90	+ 4 30.9	2.146	3.138	2.0	19.8
4 1	11 43.96	+ 5 37.8	2.167	3.133	5.6	20.0
4 11	11 37.98	+ 6 34.7	2.215	3.128	9.0	20.2
4 21	11 33.49	+ 7 17.9	2.288	3.123	12.0	20.4

503148 2015 GV_{24} 3 18.6 83°.75 4°.5/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.29	+12 14.7	2.238	3.068	11.7	21.2
2 21	12 11.25	+13 20.1	2.171	3.075	8.9	21.0
3 2	12 5.40	+14 27.9	2.130	3.082	6.1	20.9
3 12	11 58.33	+15 31.3	2.116	3.089	4.5	20.8
3 22	11 50.78	+16 24.1	2.131	3.096	5.5	20.8
4 1	11 43.57	+17 1.3	2.174	3.103	8.1	21.0
4 11	11 37.47	+17 20.2	2.242	3.110	10.9	21.2
4 21	11 33.00	+17 20.3	2.332	3.117	13.4	21.4

513079 2017 WG_{21} 3 18.6 185°.82 1°.6/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.36	+ 5 33.0	3.032	3.836	9.6	22.0
2 21	12 11.61	+ 6 2.1	2.944	3.836	7.3	21.8
3 2	12 5.45	+ 6 36.0	2.881	3.835	4.6	21.6
3 12	11 58.32	+ 7 11.3	2.848	3.834	2.1	21.4
3 22	11 50.78	+ 7 44.3	2.845	3.832	2.4	21.5
4 1	11 43.43	+ 8 11.5	2.873	3.830	5.0	21.6
4 11	11 36.87	+ 8 30.1	2.929	3.827	7.6	21.8
4 21	11 31.55	+ 8 38.5	3.011	3.824	10.0	22.0

335197 2005 EO_{69} 3 18.6 23°.21 2°.3/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 19.26	− 5 13.3	1.801	2.593	15.6	20.0
2 21	12 14.77	− 5 38.2	1.721	2.598	12.4	19.8
3 2	12 7.94	− 5 48.9	1.662	2.603	8.5	19.6
3 12	11 59.44	− 5 46.6	1.629	2.609	4.5	19.3
3 22	11 50.20	− 5 34.4	1.623	2.615	2.4	19.2
4 1	11 41.32	− 5 16.6	1.644	2.622	5.7	19.4
4 11	11 33.81	− 4 58.7	1.692	2.629	9.7	19.7
4 21	11 28.39	− 4 45.3	1.764	2.636	13.3	19.9

402904 2007 TY_{41} 3 18.6 138°.33 0°.1/18.7 18

2 11	12 19.62	− 2 37.5	1.792	2.593	15.4	22.1
2 21	12 14.98	− 2 2.2	1.715	2.603	11.8	21.9
3 2	12 8.03	− 1 11.0	1.661	2.612	7.7	21.6
3 12	11 59.45	− 0 8.6	1.634	2.621	3.2	21.4
3 22	11 50.21	+ 0 58.4	1.634	2.629	1.6	21.3
4 1	11 41.38	+ 2 2.6	1.664	2.637	6.2	21.6
4 11	11 33.97	+ 2 57.1	1.720	2.644	10.4	21.9
4 21	11 28.64	+ 3 37.3	1.799	2.651	14.0	22.1

426464 2013 QW_{77} 3 18.6 110°.55 1°.2/19.9 18

2 11	12 18.33	− 5 42.2	2.255	3.033	13.3	22.2
2 21	12 13.47	− 5 22.8	2.182	3.053	10.4	22.1
3 2	12 6.78	− 4 49.3	2.131	3.072	7.0	21.9
3 12	11 58.88	− 4 4.6	2.108	3.090	3.4	21.7
3 22	11 50.52	− 3 13.3	2.114	3.109	1.5	21.6
4 1	11 42.53	− 2 20.7	2.150	3.126	4.8	21.8
4 11	11 35.69	− 1 32.0	2.215	3.143	8.2	22.1
4 21	11 30.51	− 0 51.7	2.304	3.160	11.2	22.3

385512 2004 FP_{153} 3 18.6 78°.76 3°.1/15.4 17

2 11	12 17.90	+ 8 36.9	2.162	2.985	12.3	20.9
2 21	12 13.23	+ 9 13.7	2.094	2.995	9.3	20.7
3 2	12 6.67	+ 9 54.7	2.050	3.006	6.0	20.5
3 12	11 58.84	+10 34.3	2.035	3.017	3.4	20.4
3 22	11 50.54	+11 7.3	2.047	3.028	4.0	20.4
4 1	11 42.64	+11 29.1	2.089	3.039	7.0	20.6
4 11	11 35.92	+11 36.8	2.156	3.050	10.1	20.8
4 21	11 30.94	+11 29.6	2.247	3.061	12.9	21.0

272896 2006 BC_{133} 3 18.6 92°.10 0°.2/18.4 17

2 11	12 15.12	− 2 1.4	1.961	2.767	14.0	20.7
2 21	12 11.40	− 1 20.0	1.881	2.772	10.8	20.5
3 2	12 5.65	− 0 23.9	1.824	2.777	7.0	20.2
3 12	11 58.48	+ 0 42.1	1.794	2.781	2.8	20.0
3 22	11 50.71	+ 1 51.7	1.792	2.786	1.6	19.9
4 1	11 43.27	+ 2 58.1	1.818	2.791	5.8	20.2
4 11	11 37.01	+ 3 54.7	1.872	2.795	9.7	20.4
4 21	11 32.56	+ 4 37.4	1.948	2.800	13.1	20.7

425841 2011 EQ_{41} 3 18.6 35°.17 0°.8/19.3 18

2 11	12 17.91	− 2 40.5	1.642	2.451	16.2	20.8
2 21	12 13.89	− 2 37.2	1.568	2.458	12.6	20.6
3 2	12 7.43	− 2 18.8	1.515	2.466	8.3	20.3
3 12	11 59.24	− 1 48.8	1.487	2.473	3.6	20.1
3 22	11 50.34	− 1 12.2	1.487	2.482	1.6	19.9
4 1	11 41.86	− 0 35.4	1.513	2.490	6.2	20.3
4 11	11 34.87	− 0 4.7	1.565	2.499	10.5	20.5
4 21	11 30.08	+ 0 15.4	1.640	2.508	14.3	20.8

127644 2003 CF_{10} 3 18.6 309°.11 7°.3/24.1 17

2 11	12 20.50	−16 42.7	1.764	2.502	17.9	19.7
2 21	12 16.16	−17 48.4	1.668	2.495	15.3	19.4
3 2	12 9.15	−18 33.6	1.592	2.488	12.2	19.2
3 12	12 0.06	−18 54.9	1.538	2.481	9.2	19.0
3 22	11 49.85	−18 51.7	1.510	2.475	7.4	18.9
4 1	11 39.77	−18 26.4	1.508	2.468	8.2	18.9
4 11	11 31.06	−17 45.7	1.531	2.462	11.0	19.1
4 21	11 24.66	−16 57.7	1.577	2.456	14.2	19.2

409395 2005 EF_{174} 3 18.6 76°.73 1°.9/20.1 18

2 11	12 19.48	− 5 47.1	1.551	2.351	17.4	21.2
2 21	12 15.22	− 5 43.4	1.478	2.361	13.7	21.0
3 2	12 8.35	− 5 20.6	1.426	2.371	9.3	20.8
3 12	11 59.63	− 4 41.7	1.399	2.382	4.6	20.5
3 22	11 50.14	− 3 52.1	1.398	2.392	2.1	20.4
4 1	11 41.13	− 2 59.2	1.424	2.402	6.3	20.7
4 11	11 33.74	− 2 10.7	1.476	2.413	10.8	20.9
4 21	11 28.71	− 1 32.7	1.550	2.423	14.8	21.2

198611 2005 AJ_{24} 3 18.6 74°.78 3°.3/22.1 18

2 11	12 18.18	−11 10.9	2.013	2.774	15.3	20.8
2 21	12 13.56	−11 10.7	1.945	2.799	12.3	20.6
3 2	12 6.93	−10 51.7	1.899	2.824	8.8	20.4
3 12	11 58.96	−10 15.5	1.879	2.849	5.3	20.3
3 22	11 50.51	− 9 26.2	1.886	2.873	3.3	20.2
4 1	11 42.50	− 8 29.4	1.921	2.897	5.2	20.4
4 11	11 35.79	− 7 31.8	1.985	2.921	8.5	20.6
4 21	11 30.94	− 6 39.3	2.073	2.945	11.6	20.8

222499 2001 SN_{302} 3 18.6 264°.59 0°.2/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 18.01	− 2 6.5	1.886	2.688	14.6	21.6
2 21	12 13.93	− 1 46.3	1.784	2.672	11.4	21.4
3 2	12 7.51	− 1 11.5	1.705	2.656	7.5	21.1
3 12	11 59.34	− 0 25.2	1.652	2.639	3.2	20.8
3 22	11 50.24	+ 0 27.2	1.627	2.622	1.5	20.7
4 1	11 41.29	+ 1 19.2	1.631	2.605	6.2	20.9
4 11	11 33.52	+ 2 4.2	1.661	2.588	10.5	21.1
4 21	11 27.74	+ 2 37.1	1.714	2.570	14.4	21.3

426664 2013 TS_{3} 3 18.6 138°.55 3°.8/14.6 18

2 11	12 17.49	+ 9 21.2	2.064	2.891	12.7	21.0
2 21	12 13.09	+10 15.9	1.992	2.895	9.6	20.8
3 2	12 6.68	+11 15.5	1.943	2.899	6.3	20.6
3 12	11 58.89	+12 13.3	1.922	2.903	3.9	20.5
3 22	11 50.53	+13 3.0	1.930	2.906	4.8	20.6
4 1	11 42.53	+13 38.8	1.965	2.909	7.9	20.7
4 11	11 35.74	+13 57.5	2.026	2.912	11.1	20.9
4 21	11 30.75	+13 58.1	2.110	2.915	13.9	21.1

274372 2008 RK_{77} 3 18.6 241°.66 0°.2/18.8 17

2 11	12 16.99	− 2 7.9	2.184	2.979	13.1	21.2
2 21	12 12.76	− 1 45.9	2.085	2.969	10.2	21.0
3 2	12 6.54	− 1 11.2	2.010	2.959	6.7	20.8
3 12	11 58.88	− 0 27.0	1.962	2.949	2.8	20.5
3 22	11 50.51	+ 0 22.2	1.943	2.938	1.3	20.4
4 1	11 42.32	+ 1 10.7	1.953	2.927	5.4	20.6
4 11	11 35.18	+ 1 53.1	1.991	2.915	9.2	20.8
4 21	11 29.72	+ 2 25.2	2.053	2.903	12.6	21.0

38800 2000 RA_{55} 3 18.6 291°.44 2°.6/20.5 18 R

2 11	12 21.42	− 5 28.4	1.834	2.620	15.6	18.5
2 21	12 16.74	− 5 59.6	1.727	2.600	12.6	18.2
3 2	12 9.48	− 6 17.5	1.641	2.581	8.8	17.9
3 12	12 0.21	− 6 22.6	1.582	2.561	4.8	17.6
3 22	11 49.81	− 6 16.8	1.549	2.541	2.7	17.5
4 1	11 39.45	− 6 4.0	1.545	2.522	6.1	17.6
4 11	11 30.34	− 5 49.3	1.568	2.502	10.5	17.8
4 21	11 23.38	− 5 37.9	1.614	2.483	14.5	18.0

153776 2001 VU_{41} 3 18.6 255°.74 7°.8/11.3 18

2 11	12 21.89	+20 20.8	1.864	2.695	13.6	19.5
2 21	12 16.84	+21 26.9	1.793	2.688	11.0	19.3
3 2	12 9.30	+22 29.1	1.745	2.681	8.7	19.1
3 12	12 0.01	+23 18.3	1.724	2.674	7.8	19.1
3 22	11 49.99	+23 46.8	1.729	2.667	9.0	19.1
4 1	11 40.40	+23 49.6	1.759	2.659	11.5	19.3
4 11	11 32.31	+23 26.0	1.813	2.652	14.4	19.4
4 21	11 26.45	+22 38.4	1.887	2.644	17.0	19.6

140276 2001 SM_{276} 3 18.6 82°.66 6°.4/11.6 18

2 11	12 17.90	+14 3.9	1.788	2.626	13.8	19.1
2 21	12 13.55	+15 54.3	1.744	2.650	10.6	19.0
3 2	12 7.00	+17 45.4	1.725	2.674	7.7	18.9
3 12	11 59.01	+19 26.5	1.733	2.697	6.4	18.8
3 22	11 50.56	+20 48.7	1.769	2.720	7.8	19.0
4 1	11 42.68	+21 45.7	1.832	2.743	10.5	19.2
4 11	11 36.28	+22 15.4	1.918	2.765	13.3	19.4
4 21	11 31.92	+22 19.3	2.024	2.787	15.8	19.6

57172 2001 QY_{20} 3 18.6 177°.88 0°.7/17.8 18

2 11	12 15.28	− 2 21.8	2.044	2.846	13.7	19.4
2 21	12 11.49	− 1 10.7	1.957	2.847	10.5	19.2
3 2	12 5.73	+ 0 17.0	1.895	2.848	6.7	19.0
3 12	11 58.55	+ 1 55.6	1.861	2.849	2.6	18.7
3 22	11 50.76	+ 3 37.5	1.856	2.849	2.0	18.7
4 1	11 43.23	+ 5 14.3	1.880	2.849	6.1	18.9
4 11	11 36.84	+ 6 38.5	1.933	2.848	10.0	19.1
4 21	11 32.20	+ 7 45.3	2.009	2.847	13.3	19.4

247871 2003 UA_{121} 3 18.6 242°.17 1°.7/17.1 16

2 11	12 19.98	+ 2 33.5	1.875	2.688	14.3	21.7
2 21	12 15.44	+ 3 12.6	1.777	2.674	11.0	21.5
3 2	12 8.51	+ 4 3.9	1.703	2.659	7.1	21.2
3 12	11 59.77	+ 5 2.0	1.655	2.643	2.9	20.9
3 22	11 50.10	+ 6 0.4	1.636	2.627	2.9	20.9
4 1	11 40.61	+ 6 51.7	1.645	2.610	7.2	21.1
4 11	11 32.37	+ 7 30.0	1.680	2.592	11.4	21.3
4 21	11 26.17	+ 7 51.8	1.739	2.574	15.2	21.5

185285 2006 UX_{202} 3 18.6 103°.79 1°.5/16.7 18

2 11	12 14.32	+ 2 44.6	2.524	3.333	11.2	20.8
2 21	12 10.28	+ 3 34.0	2.452	3.347	8.4	20.7
3 2	12 4.69	+ 4 31.6	2.405	3.360	5.3	20.5
3 12	11 58.06	+ 5 32.6	2.386	3.373	2.2	20.3
3 22	11 51.04	+ 6 32.0	2.397	3.387	2.4	20.3
4 1	11 44.31	+ 7 24.7	2.438	3.399	5.4	20.5
4 11	11 38.52	+ 8 6.7	2.506	3.412	8.4	20.7
4 21	11 34.13	+ 8 35.8	2.599	3.424	11.0	20.9

506278 2016 RC_{32} 3 18.6 84°.02 0°.4/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.18	+ 0 2.4	3.127	3.925	9.5	21.5
2 21	12 7.66	+ 0 37.4	3.045	3.932	7.2	21.3
3 2	12 2.91	+ 1 20.1	2.988	3.940	4.6	21.2
3 12	11 57.33	+ 2 7.6	2.959	3.947	1.8	21.0
3 22	11 51.41	+ 2 56.2	2.961	3.955	1.3	20.9
4 1	11 45.68	+ 3 42.0	2.993	3.962	4.1	21.1
4 11	11 40.66	+ 4 21.7	3.054	3.970	6.7	21.3
4 21	11 36.73	+ 4 52.7	3.140	3.977	9.0	21.5

286232 2001 UR_{167} 3 18.6 126°.51 4°.9/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.52	−18 28.7	2.499	3.201	14.1	20.9
2 21	12 14.35	−18 35.0	2.416	3.221	11.8	20.8
3 2	12 7.38	−18 21.5	2.355	3.241	9.2	20.6
3 12	11 59.18	−17 48.3	2.318	3.259	6.7	20.5
3 22	11 50.49	−16 57.7	2.310	3.277	5.0	20.4
4 1	11 42.13	−15 54.1	2.332	3.294	5.6	20.5
4 11	11 34.86	−14 43.5	2.382	3.310	7.7	20.6
4 21	11 29.21	−13 32.5	2.458	3.326	10.2	20.8

430970 2005 WD_{56} 3 18.6 95°.48 21°.7/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 38.62	+46 33.6	1.154	1.943	22.9	20.6
2 21	12 31.81	+48 54.1	1.142	1.951	21.9	20.6
3 2	12 19.74	+50 34.4	1.144	1.959	21.7	20.6
3 12	12 4.25	+51 17.7	1.163	1.967	22.2	20.7
3 22	11 48.09	+50 56.6	1.196	1.975	23.3	20.8
4 1	11 34.08	+49 33.7	1.243	1.983	24.7	20.9
4 11	11 24.10	+47 20.2	1.303	1.990	26.2	21.1
4 21	11 18.71	+44 30.3	1.374	1.998	27.5	21.2

276629 2003 UT_{154} 3 18.6 188°.01 1°.6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.10	+ 2 50.5	2.241	3.052	12.3	21.2
2 21	12 11.94	+ 3 34.0	2.156	3.052	9.3	21.0
3 2	12 5.94	+ 4 27.0	2.096	3.051	5.9	20.8
3 12	11 58.64	+ 5 24.6	2.063	3.051	2.5	20.6
3 22	11 50.77	+ 6 21.2	2.059	3.049	2.6	20.6
4 1	11 43.16	+ 7 11.0	2.085	3.048	6.1	20.8
4 11	11 36.59	+ 7 49.4	2.138	3.047	9.5	21.0
4 21	11 31.65	+ 8 13.8	2.215	3.045	12.5	21.2

390144 2012 VL_{84} 3 18.6 180°.06 4°.2/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.48	−16 39.6	2.858	3.570	12.3	21.9
2 21	12 11.19	−16 45.9	2.757	3.571	10.3	21.7
3 2	12 5.33	−16 35.7	2.678	3.572	8.0	21.6
3 12	11 58.37	−16 9.4	2.626	3.572	5.7	21.4
3 22	11 50.90	−15 28.5	2.601	3.572	4.2	21.3
4 1	11 43.60	−14 36.5	2.606	3.571	4.8	21.4
4 11	11 37.13	−13 38.3	2.639	3.570	6.9	21.5
4 21	11 31.98	−12 39.0	2.700	3.569	9.3	21.6

361132 2006 GM_{28} 3 18.6 292°.96 3°.3/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.78	+ 6 1.3	1.456	2.292	16.5	21.1
2 21	12 15.95	+ 6 36.4	1.367	2.276	12.7	20.8
3 2	12 9.18	+ 7 22.3	1.300	2.260	8.3	20.5
3 12	12 0.15	+ 8 11.8	1.258	2.245	4.0	20.2
3 22	11 49.97	+ 8 56.6	1.242	2.229	4.6	20.2
4 1	11 40.03	+ 9 28.3	1.251	2.214	9.3	20.4
4 11	11 31.70	+ 9 41.0	1.284	2.198	14.0	20.7
4 21	11 25.96	+ 9 32.6	1.338	2.183	18.3	20.9

241851 2001 TE_{92} 3 18.6 330°.45 2°.6/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.83	−10 48.8	2.198	2.965	14.0	20.2
2 21	12 9.58	−10 26.2	2.104	2.963	11.2	20.0
3 2	12 4.49	− 9 44.6	2.032	2.961	8.1	19.8
3 12	11 58.08	− 8 45.9	1.985	2.959	4.7	19.5
3 22	11 51.07	− 7 34.5	1.967	2.957	2.6	19.4
4 1	11 44.28	− 6 16.2	1.977	2.955	4.9	19.5
4 11	11 38.51	− 4 58.3	2.015	2.954	8.3	19.7
4 21	11 34.33	− 3 47.1	2.079	2.952	11.5	19.9

90367 2003 LC_{5} 3 18.6 79°.18 38°.9/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	16 1.15	+58 42.5	0.275	1.065	66.3	17.4
2 21	14 49.16	+63 50.9	0.322	1.136	55.3	17.5
3 2	13 30.09	+65 0.1	0.375	1.203	47.8	17.8
3 12	12 24.28	+62 45.0	0.434	1.266	43.0	18.1
3 22	11 41.59	+58 28.9	0.501	1.324	40.3	18.4
4 1	11 18.23	+53 22.4	0.577	1.378	39.1	18.8
4 11	11 7.82	+48 6.9	0.661	1.427	38.9	19.1
4 21	11 5.54	+43 1.1	0.753	1.470	39.1	19.5

113994 2002 UN_{32} 3 18.6 139°.54 3°.1/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.96	+ 9 25.7	2.459	3.276	11.2	20.0
2 21	12 13.12	+10 5.2	2.384	3.283	8.5	19.9
3 2	12 6.57	+10 48.1	2.336	3.290	5.6	19.7
3 12	11 58.87	+11 29.2	2.316	3.297	3.3	19.5
3 22	11 50.71	+12 3.8	2.325	3.303	4.0	19.6
4 1	11 42.87	+12 27.6	2.363	3.309	6.6	19.8
4 11	11 36.06	+12 38.0	2.429	3.315	9.5	20.0
4 21	11 30.81	+12 34.3	2.518	3.320	12.0	20.1

365450 2010 NA_{4} 3 18.6 227°.64 2°.4/20.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 20.71	− 6 56.4	1.810	2.593	16.0	21.5
2 21	12 16.10	− 7 2.1	1.714	2.586	12.8	21.3
3 2	12 8.99	− 6 50.5	1.640	2.578	8.9	21.0
3 12	12 0.01	− 6 23.0	1.590	2.570	4.8	20.8
3 22	11 50.08	− 5 43.3	1.568	2.561	2.5	20.6
4 1	11 40.34	− 4 57.1	1.575	2.552	6.0	20.8
4 11	11 31.93	− 4 11.4	1.608	2.542	10.3	21.0
4 21	11 25.68	− 3 32.3	1.664	2.533	14.2	21.2

31136 1997 SN_{31} 3 18.6 321°.62 0°.1/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.13	− 0 9.3	1.320	2.148	18.4	17.6
2 21	12 16.41	− 0 11.1	1.238	2.140	14.3	17.3
3 2	12 9.56	+ 0 2.2	1.176	2.132	9.4	17.0
3 12	12 0.33	+ 0 26.9	1.136	2.125	3.9	16.7
3 22	11 49.91	+ 0 56.9	1.123	2.118	2.0	16.5
4 1	11 39.82	+ 1 24.8	1.134	2.111	7.8	16.8
4 11	11 31.54	+ 1 43.2	1.169	2.105	13.1	17.1
4 21	11 26.04	+ 1 47.8	1.225	2.099	17.8	17.4

61744 2000 QD_{154} 3 18.6 219°.00 4°.1/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.35	−15 8.1	2.440	3.175	13.6	19.6
2 21	12 10.60	−15 10.7	2.342	3.173	11.3	19.5
3 2	12 5.09	−14 54.9	2.265	3.171	8.6	19.3
3 12	11 58.32	−14 21.1	2.213	3.169	5.9	19.1
3 22	11 50.96	−13 31.6	2.189	3.167	4.2	19.0
4 1	11 43.78	−12 30.8	2.194	3.165	5.1	19.0
4 11	11 37.55	−11 24.6	2.227	3.163	7.7	19.2
4 21	11 32.83	−10 19.1	2.285	3.160	10.5	19.4

463751 2014 RL_{29} 3 18.6 144°.71 1°.1/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.03	− 3 42.5	2.108	2.886	14.1	22.2
2 21	12 18.03	− 3 43.2	2.026	2.898	11.0	22.0
3 2	12 9.88	− 3 31.4	1.968	2.910	7.4	21.8
3 12	12 0.25	− 3 9.4	1.937	2.921	3.4	21.6
3 22	11 50.01	− 2 40.9	1.936	2.931	1.5	21.5
4 1	11 40.14	− 2 10.6	1.966	2.940	5.3	21.7
4 11	11 31.57	− 1 43.6	2.023	2.949	9.0	22.0
4 21	11 24.93	− 1 23.6	2.106	2.957	12.3	22.2

420228 2011 HN_{45} 3 18.6 101°.22 6°.5/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.97	+17 18.8	2.071	2.905	12.3	20.7
2 21	12 12.72	+18 44.3	2.014	2.914	9.7	20.6
3 2	12 6.47	+20 8.5	1.981	2.923	7.4	20.4
3 12	11 58.86	+21 22.7	1.976	2.932	6.5	20.4
3 22	11 50.73	+22 19.9	1.998	2.940	7.7	20.5
4 1	11 43.02	+22 55.0	2.047	2.949	10.1	20.7
4 11	11 36.57	+23 6.3	2.119	2.957	12.6	20.8
4 21	11 31.95	+22 54.9	2.212	2.965	14.9	21.0

119800 2002 AG_{134} 3 18.6 101°.31 0°.4/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.65	− 1 9.7	1.857	2.666	14.6	20.2
2 21	12 12.70	− 0 33.1	1.779	2.672	11.2	20.0
3 2	12 6.59	+ 0 17.8	1.723	2.677	7.2	19.7
3 12	11 58.95	+ 1 18.2	1.694	2.682	2.9	19.5
3 22	11 50.67	+ 2 21.5	1.693	2.688	1.8	19.4
4 1	11 42.75	+ 3 20.9	1.721	2.693	6.2	19.7
4 11	11 36.11	+ 4 9.9	1.774	2.698	10.2	20.0
4 21	11 31.40	+ 4 44.6	1.851	2.703	13.7	20.2

55699 5396 $T\text{-}_{2}$ 3 18.6 175°.08 4°.0/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.07	−15 26.3	2.295	3.026	14.4	19.9
2 21	12 12.75	−15 11.2	2.198	3.029	11.9	19.7
3 2	12 6.51	−14 35.0	2.124	3.031	9.0	19.5
3 12	11 58.91	−13 38.7	2.074	3.033	6.0	19.4
3 22	11 50.69	−12 25.5	2.053	3.034	4.0	19.2
4 1	11 42.70	−11 1.2	2.061	3.034	5.2	19.3
4 11	11 35.78	− 9 33.0	2.098	3.034	8.2	19.5
4 21	11 30.53	− 8 8.3	2.161	3.033	11.2	19.7

433734 2015 AM_{150} 3 18.6 189°.17 3°.0/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.45	− 8 47.7	2.043	2.811	14.8	21.2
2 21	12 14.79	− 9 3.2	1.951	2.811	11.9	21.0
3 2	12 7.95	− 9 2.7	1.881	2.811	8.5	20.8
3 12	11 59.53	− 8 47.0	1.836	2.810	5.0	20.6
3 22	11 50.37	− 8 18.8	1.820	2.809	3.0	20.5
4 1	11 41.44	− 7 42.5	1.832	2.808	5.4	20.6
4 11	11 33.70	− 7 4.0	1.872	2.807	9.0	20.8
4 21	11 27.85	− 6 29.0	1.936	2.806	12.4	21.0

330920 2009 SY_{125} 3 18.6 73°.03 3°.8/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.10	−13 56.5	1.858	2.619	16.4	20.5
2 21	12 10.88	−13 31.4	1.769	2.621	13.4	20.3
3 2	12 5.49	−12 41.4	1.701	2.623	9.9	20.1
3 12	11 58.54	−11 28.1	1.658	2.626	6.2	19.9
3 22	11 50.88	− 9 56.4	1.641	2.628	3.8	19.7
4 1	11 43.53	− 8 14.3	1.653	2.631	5.6	19.8
4 11	11 37.42	− 6 31.5	1.691	2.633	9.3	20.1
4 21	11 33.24	− 4 56.6	1.755	2.635	12.9	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
208700 2002 *JK*			3 18.6 325°.10	17°.9/ 4.2 18		
	h m	° ′			°	m
2 11	12 36.23	+41 39.3	1.360	2.152	19.8	19.4
2 21	12 29.39	+43 5.9	1.311	2.139	18.6	19.3
3 2	12 18.10	+44 4.5	1.280	2.127	17.9	19.2
3 12	12 3.72	+44 19.0	1.267	2.115	18.2	19.2
3 22	11 48.36	+43 39.7	1.274	2.104	19.4	19.2
4 1	11 34.38	+42 5.1	1.299	2.094	21.1	19.3
4 11	11 23.60	+39 43.2	1.340	2.084	23.2	19.4
4 21	11 16.85	+36 46.0	1.396	2.075	25.1	19.6
4526 Konko			3 18.6 335°.36	9°.2/ 9.2 18		
2 11	12 15.48	+19 34.4	1.532	2.384	15.0	16.0
2 21	12 12.45	+21 23.3	1.470	2.377	12.1	15.8
3 2	12 6.74	+23 10.5	1.430	2.370	9.8	15.7
3 12	11 59.10	+24 43.5	1.415	2.363	9.3	15.6
3 22	11 50.61	+25 51.2	1.424	2.357	11.0	15.7
4 1	11 42.56	+26 26.3	1.457	2.352	13.8	15.9
4 11	11 36.13	+26 27.0	1.510	2.347	16.8	16.0
4 21	11 32.08	+25 56.0	1.580	2.342	19.6	16.2
423210 2004 RD_{84}			3 18.7 64°.13	15°.7/26.9 15		
2 11	13 0.61	−22 39.6	0.914	1.626	32.5	21.2
2 21	12 48.27	−26 8.1	0.888	1.683	27.9	21.1
3 2	12 30.32	−28 50.8	0.878	1.738	22.9	21.0
3 12	12 8.57	−30 31.0	0.887	1.793	18.6	21.0
3 22	11 46.07	−31 2.2	0.918	1.846	16.0	21.0
4 1	11 26.13	−30 33.2	0.973	1.898	16.0	21.2
4 11	11 11.05	−29 25.8	1.049	1.947	17.9	21.5
4 21	11 1.54	−28 2.7	1.144	1.995	20.4	21.8
216164 2006 SM_{377}			3 18.7 285°.69	4°.9/13.9 17		
2 11	12 16.39	+ 8 23.8	1.618	2.458	14.9	20.7
2 21	12 13.12	+ 9 43.8	1.526	2.437	11.4	20.5
3 2	12 7.24	+11 15.2	1.458	2.417	7.7	20.2
3 12	11 59.37	+12 48.9	1.415	2.396	5.0	20.0
3 22	11 50.44	+14 14.6	1.399	2.375	6.4	20.0
4 1	11 41.68	+15 22.1	1.410	2.354	10.3	20.2
4 11	11 34.30	+16 4.9	1.444	2.333	14.5	20.4
4 21	11 29.18	+16 20.7	1.497	2.312	18.2	20.5
19147 1989 YV_{4}			3 18.7 55°.47	0°.7/18.1 18		
2 11	12 19.21	− 0 5.1	1.391	2.217	17.7	18.6
2 21	12 15.22	+ 0 20.7	1.328	2.230	13.5	18.3
3 2	12 8.46	+ 1 2.3	1.285	2.242	8.7	18.1
3 12	11 59.76	+ 1 53.9	1.267	2.255	3.4	17.8
3 22	11 50.32	+ 2 47.7	1.274	2.268	2.3	17.8
4 1	11 41.47	+ 3 35.2	1.308	2.282	7.4	18.1
4 11	11 34.41	+ 4 9.8	1.366	2.296	12.2	18.4
4 21	11 29.87	+ 4 27.7	1.446	2.309	16.2	18.7
364213 2006 QQ_{166}			3 18.7 297°.69	2°.5/21.2 17		
2 11	12 12.12	−12 51.6	1.552	2.335	18.1	20.5
2 21	12 10.11	−11 44.0	1.434	2.305	14.8	20.2
3 2	12 5.48	− 9 59.5	1.337	2.274	10.7	19.9
3 12	11 58.73	− 7 39.0	1.264	2.243	5.8	19.5
3 22	11 50.73	− 4 49.8	1.218	2.212	2.5	19.2
4 1	11 42.71	− 1 45.4	1.201	2.181	6.8	19.4
4 11	11 35.97	+ 1 16.4	1.210	2.150	12.4	19.6
4 21	11 31.53	+ 4 0.1	1.243	2.119	17.4	19.8
130732 2000 SQ_{230}			3 18.7 108°.19	1°.0/17.8 18		
2 11	12 22.12	+ 0 37.5	1.722	2.531	15.6	20.6
2 21	12 16.88	+ 1 10.9	1.657	2.550	11.8	20.4
3 2	12 9.25	+ 1 57.1	1.615	2.569	7.6	20.2
3 12	12 0.02	+ 2 50.4	1.599	2.587	3.0	20.0
3 22	11 50.20	+ 3 44.0	1.611	2.605	2.2	20.0
4 1	11 40.95	+ 4 31.2	1.652	2.622	6.7	20.3
4 11	11 33.25	+ 5 6.4	1.719	2.638	10.8	20.6
4 21	11 27.75	+ 5 26.5	1.810	2.654	14.3	20.8
153596 2001 SA_{277}			3 18.7 78°.53	4°.6/23.8 18		
2 11	12 17.60	−16 21.2	1.863	2.605	17.0	20.1
2 21	12 13.33	−16 3.2	1.797	2.632	14.0	20.0
3 2	12 6.90	−15 19.9	1.750	2.659	10.5	19.8
3 12	11 59.05	−14 13.1	1.728	2.686	6.9	19.6
3 22	11 50.69	−12 47.8	1.732	2.713	4.6	19.6
4 1	11 42.85	−11 11.6	1.765	2.739	5.8	19.7
4 11	11 36.42	− 9 34.1	1.826	2.765	8.9	19.9
4 21	11 31.97	− 8 3.4	1.911	2.790	12.1	20.2
372520 2009 SZ_{326}			3 18.7 183°.99	1°.4/17.1 17		
2 11	12 19.25	+ 3 6.4	2.486	3.286	11.6	22.0
2 21	12 14.16	+ 3 40.7	2.397	3.287	8.8	21.8
3 2	12 7.31	+ 4 22.8	2.333	3.287	5.6	21.6
3 12	11 59.22	+ 5 8.8	2.298	3.286	2.3	21.4
3 22	11 50.58	+ 5 53.9	2.294	3.284	2.3	21.3
4 1	11 42.19	+ 6 33.2	2.319	3.282	5.6	21.6
4 11	11 34.78	+ 7 2.9	2.373	3.279	8.8	21.8
4 21	11 28.93	+ 7 20.5	2.452	3.275	11.7	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
284675 2008 RA_{70}			3 18.7 252°.17	2°.4/20.3 18		R
	h m	° ′			°	m
2 11	12 21.58	− 5 59.7	1.513	2.310	17.9	21.1
2 21	12 17.30	− 6 9.1	1.419	2.299	14.3	20.9
3 2	12 10.08	− 5 59.5	1.345	2.288	10.0	20.6
3 12	12 0.57	− 5 32.3	1.295	2.276	5.1	20.3
3 22	11 49.84	− 4 51.5	1.271	2.264	2.5	20.1
4 1	11 39.28	− 4 3.8	1.274	2.252	6.9	20.3
4 11	11 30.29	− 3 17.7	1.302	2.239	11.9	20.5
4 21	11 23.87	− 2 40.4	1.352	2.227	16.4	20.8
370719 2004 RA_{13}			3 18.7 208°.93	0°.9/17.8 17		
2 11	12 20.57	+ 2 17.0	2.156	2.959	13.0	21.1
2 21	12 15.48	+ 2 31.2	2.065	2.955	10.0	20.9
3 2	12 8.32	+ 2 54.1	1.998	2.951	6.4	20.6
3 12	11 59.68	+ 3 21.8	1.959	2.946	2.6	20.4
3 22	11 50.36	+ 3 50.0	1.949	2.942	2.0	20.3
4 1	11 41.29	+ 4 13.9	1.968	2.936	5.9	20.6
4 11	11 33.37	+ 4 29.3	2.015	2.931	9.6	20.8
4 21	11 27.25	+ 4 33.8	2.086	2.925	12.9	21.0
365184 2009 FV_{24}			3 18.7 31°.03	6°.9/14.7 18		
2 11	12 23.82	+14 18.2	1.163	2.016	18.6	19.7
2 21	12 19.18	+14 53.1	1.113	2.027	14.4	19.5
3 2	12 11.17	+15 27.1	1.083	2.039	10.1	19.3
3 12	12 0.88	+15 49.9	1.075	2.052	7.1	19.1
3 22	11 49.85	+15 52.9	1.092	2.066	8.1	19.2
4 1	11 39.76	+15 31.1	1.133	2.080	11.8	19.5
4 11	11 32.01	+14 44.7	1.195	2.096	16.0	19.8
4 21	11 27.32	+13 37.2	1.276	2.112	19.6	20.0
57211 2001 QL_{60}			3 18.7 117°.08	1°.9/20.1 18		
2 11	12 23.78	− 5 27.9	1.615	2.405	17.2	19.3
2 21	12 18.44	− 5 31.2	1.542	2.419	13.6	19.0
3 2	12 10.44	− 5 16.9	1.491	2.433	9.2	18.8
3 12	12 0.58	− 4 47.6	1.464	2.446	4.6	18.6
3 22	11 49.96	− 4 7.9	1.465	2.459	2.1	18.4
4 1	11 39.85	− 3 24.6	1.494	2.472	6.2	18.7
4 11	11 31.42	− 2 44.7	1.550	2.483	10.6	19.0
4 21	11 25.40	− 2 13.8	1.628	2.495	14.5	19.3
374560 2006 BH_{189}			3 18.7 54°.33	0°.2/18.8 17		
2 11	12 20.12	− 0 33.8	1.798	2.605	15.1	21.3
2 21	12 15.39	− 0 34.6	1.723	2.613	11.6	21.1
3 2	12 8.35	− 0 23.8	1.671	2.623	7.6	20.9
3 12	11 59.70	− 0 4.6	1.645	2.632	3.1	20.6
3 22	11 50.40	+ 0 18.3	1.646	2.641	1.5	20.5
4 1	11 41.51	+ 0 40.0	1.676	2.651	6.0	20.8
4 11	11 34.04	+ 0 55.5	1.732	2.661	10.1	21.1
4 21	11 28.66	+ 1 1.4	1.812	2.671	13.6	21.3
423777 2006 DP_{210}			3 18.7 87°.26	1°.4/17.4 18		
2 11	12 21.62	+ 3 59.8	1.979	2.789	13.8	21.0
2 21	12 16.26	+ 4 10.8	1.907	2.802	10.5	20.8
3 2	12 8.77	+ 4 29.1	1.860	2.814	6.7	20.6
3 12	11 59.84	+ 4 50.4	1.839	2.827	2.7	20.4
3 22	11 50.35	+ 5 10.1	1.847	2.839	2.4	20.4
4 1	11 41.32	+ 5 23.7	1.885	2.851	6.3	20.6
4 11	11 33.63	+ 5 27.6	1.949	2.864	10.0	20.9
4 21	11 27.90	+ 5 20.2	2.037	2.876	13.1	21.1
507337 2011 UB_{59}			3 18.7 208°.46	0°.7/17.6 17		
2 11	12 14.46	+ 1 1.2	3.032	3.827	9.8	22.6
2 21	12 10.28	+ 1 37.2	2.934	3.820	7.5	22.4
3 2	12 4.71	+ 2 21.3	2.862	3.814	4.8	22.2
3 12	11 58.18	+ 3 10.2	2.819	3.807	1.9	22.0
3 22	11 51.19	+ 4 0.0	2.807	3.799	1.5	21.9
4 1	11 44.36	+ 4 46.7	2.825	3.791	4.5	22.1
4 11	11 38.25	+ 5 26.5	2.872	3.783	7.3	22.3
4 21	11 33.32	+ 5 56.8	2.945	3.774	9.8	22.5
30785 Greeley			3 18.7 241°.65	0°.9/17.9 17		
2 11	12 23.39	+ 0 37.9	1.984	2.781	14.2	21.1
2 21	12 18.09	+ 1 6.8	1.874	2.761	11.0	20.9
3 2	12 10.33	+ 1 48.5	1.787	2.739	7.2	20.6
3 12	12 0.64	+ 2 38.9	1.728	2.716	2.9	20.3
3 22	11 49.90	+ 3 32.4	1.698	2.691	2.1	20.1
4 1	11 39.21	+ 4 22.4	1.698	2.666	6.7	20.4
4 11	11 29.69	+ 5 2.4	1.725	2.639	11.0	20.6
4 21	11 22.19	+ 5 28.5	1.776	2.612	14.9	20.8
467363 2003 UJ_{23}			3 18.7 218°.60	1°.9/21.2 18		
2 11	12 16.27	− 9 16.6	2.946	3.696	11.1	23.2
2 21	12 11.78	− 8 55.8	2.833	3.684	8.9	23.0
3 2	12 5.76	− 8 21.2	2.745	3.672	6.3	22.8
3 12	11 58.64	− 7 34.5	2.684	3.659	3.5	22.6
3 22	11 50.97	− 6 38.6	2.654	3.645	1.9	22.5
4 1	11 43.41	− 5 37.6	2.655	3.630	4.0	22.6
4 11	11 36.59	− 4 36.4	2.685	3.615	6.9	22.7
4 21	11 31.03	− 3 39.6	2.742	3.598	9.6	22.9

335566 2006 CJ_1 3 18.7 306.°82 5.°2/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 18.63	−12 4.2	1.802	2.566	16.7	20.8
2 21	12 14.71	−12 47.7	1.698	2.550	13.9	20.6
3 2	12 8.27	−13 13.1	1.615	2.534	10.5	20.3
3 12	11 59.85	−13 19.0	1.555	2.518	7.1	20.1
3 22	11 50.32	−13 6.1	1.521	2.502	5.2	19.9
4 1	11 40.85	−12 37.7	1.514	2.487	6.8	20.0
4 11	11 32.63	−12 0.3	1.533	2.472	10.4	20.2
4 21	11 26.54	−11 21.1	1.575	2.457	14.1	20.3

118231 1996 XQ_{18} 3 18.7 87.°45 1.°9/17.1 18

2 11	12 25.41	+ 5 18.6	2.009	2.814	13.8	20.2
2 21	12 18.93	+ 5 33.1	1.951	2.843	10.4	20.0
3 2	12 10.35	+ 5 53.5	1.918	2.871	6.6	19.8
3 12	12 0.44	+ 6 15.3	1.912	2.899	2.8	19.6
3 22	11 50.15	+ 6 33.5	1.937	2.926	2.8	19.7
4 1	11 40.47	+ 6 44.2	1.991	2.953	6.3	19.9
4 11	11 32.27	+ 6 44.6	2.073	2.980	9.8	20.2
4 21	11 26.10	+ 6 33.6	2.178	3.006	12.8	20.4

294726 2008 BX_{40} 3 18.7 84.°29 0.°1/18.6 18

2 11	12 18.38	− 2 29.4	1.624	2.434	16.3	21.1
2 21	12 14.26	− 1 54.3	1.556	2.448	12.5	20.8
3 2	12 7.70	− 1 2.3	1.509	2.462	8.1	20.6
3 12	11 59.48	+ 0 1.2	1.488	2.476	3.3	20.4
3 22	11 50.60	+ 1 9.1	1.494	2.489	1.7	20.3
4 1	11 42.21	+ 2 13.3	1.528	2.503	6.5	20.6
4 11	11 35.35	+ 3 6.5	1.588	2.516	10.8	20.9
4 21	11 30.69	+ 3 44.2	1.670	2.529	14.6	21.1

341551 2007 UN_{11} 3 18.7 148.°07 1.°1/17.1 17

2 11	12 15.79	+ 2 25.2	2.984	3.782	9.9	22.3
2 21	12 11.21	+ 3 6.2	2.904	3.793	7.5	22.2
3 2	12 5.26	+ 3 54.2	2.850	3.803	4.7	22.0
3 12	11 58.39	+ 4 45.4	2.826	3.813	1.9	21.8
3 22	11 51.15	+ 5 35.9	2.832	3.823	1.9	21.8
4 1	11 44.14	+ 6 21.5	2.869	3.832	4.6	22.0
4 11	11 37.94	+ 6 58.9	2.935	3.840	7.4	22.2
4 21	11 32.97	+ 7 25.9	3.027	3.848	9.7	22.4

313609 2003 QH_{38} 3 18.7 194.°69 1.°8/20.4 18

2 11	12 21.31	− 6 29.0	2.074	2.848	14.5	21.8
2 21	12 16.21	− 6 23.1	1.978	2.845	11.5	21.6
3 2	12 8.91	− 6 1.5	1.905	2.843	7.9	21.3
3 12	12 0.00	− 5 26.3	1.859	2.839	4.1	21.1
3 22	11 50.31	− 4 41.1	1.841	2.834	2.0	20.9
4 1	11 40.84	− 3 51.6	1.853	2.829	5.3	21.1
4 11	11 32.57	− 3 3.8	1.893	2.823	9.2	21.4
4 21	11 26.19	− 2 23.2	1.958	2.816	12.8	21.6

431892 2008 SG_{277} 3 18.7 144.°83 0.°4/18.2 17

2 11	12 16.95	− 0 30.7	2.189	2.990	12.9	22.1
2 21	12 12.64	− 0 0.7	2.106	2.995	9.9	21.9
3 2	12 6.44	+ 0 40.8	2.048	3.000	6.4	21.7
3 12	11 58.93	+ 1 29.6	2.016	3.004	2.5	21.5
3 22	11 50.86	+ 2 20.8	2.014	3.008	1.6	21.4
4 1	11 43.08	+ 3 8.7	2.041	3.012	5.4	21.7
4 11	11 36.40	+ 3 48.3	2.095	3.016	9.0	21.9
4 21	11 31.39	+ 4 16.4	2.174	3.019	12.2	22.1

464406 2016 BX_{18} 3 18.7 2.°83 0.°6/18.2 18

2 11	12 14.83	− 1 1.1	1.261	2.098	18.5	21.1
2 21	12 12.31	− 0 30.6	1.190	2.097	14.3	20.8
3 2	12 6.86	+ 0 19.5	1.138	2.097	9.2	20.5
3 12	11 59.26	+ 1 23.2	1.109	2.097	3.7	20.2
3 22	11 50.69	+ 2 31.6	1.104	2.099	2.3	20.1
4 1	11 42.57	+ 3 34.4	1.125	2.101	8.0	20.4
4 11	11 36.23	+ 4 22.7	1.168	2.104	13.1	20.7
4 21	11 32.51	+ 4 51.3	1.232	2.108	17.6	21.0

119611 2001 WY_{26} 3 18.7 212.°77 6.°7/11.5 18

2 11	12 21.03	+18 31.7	2.093	2.920	12.5	20.3
2 21	12 15.96	+19 41.7	2.020	2.915	9.9	20.1
3 2	12 8.70	+20 49.9	1.971	2.909	7.6	19.9
3 12	11 59.88	+21 48.1	1.949	2.903	6.7	19.9
3 22	11 50.40	+22 29.1	1.955	2.896	7.9	19.9
4 1	11 41.26	+22 48.0	1.987	2.890	10.3	20.1
4 11	11 33.43	+22 43.2	2.044	2.882	13.0	20.2
4 21	11 27.54	+22 15.9	2.122	2.874	15.5	20.4

138770 2000 SK_{315} 3 18.7 221.°98 5.°4/25.9 18

2 11	12 14.70	−20 49.8	2.755	3.445	13.2	20.4
2 21	12 10.79	−21 2.3	2.648	3.439	11.3	20.2
3 2	12 5.22	−20 56.1	2.561	3.433	9.1	20.0
3 12	11 58.45	−20 30.4	2.499	3.426	7.0	19.9
3 22	11 51.10	−19 46.2	2.464	3.419	5.6	19.8
4 1	11 43.88	−18 46.8	2.457	3.412	5.8	19.8
4 11	11 37.50	−17 37.5	2.478	3.405	7.5	19.9
4 21	11 32.51	−16 24.2	2.525	3.398	9.8	20.0

94062 2000 YF_{21} 3 18.7 57.°35 1.°7/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.79	+ 3 14.9	1.834	2.654	14.3	18.9
2 21	12 13.60	+ 3 46.3	1.760	2.660	10.9	18.7
3 2	12 7.20	+ 4 27.6	1.709	2.666	6.9	18.5
3 12	11 59.27	+ 5 13.5	1.685	2.673	2.9	18.3
3 22	11 50.72	+ 5 57.6	1.689	2.680	2.8	18.3
4 1	11 42.56	+ 6 34.0	1.720	2.686	6.8	18.5
4 11	11 35.74	+ 6 57.9	1.778	2.693	10.7	18.8
4 21	11 30.89	+ 7 6.9	1.858	2.700	14.0	19.0

432574 2010 OA_{53} 3 18.7 322.°63 8.°3/ 8.3 17

2 11	12 16.30	+23 14.8	2.056	2.891	12.4	21.4
2 21	12 12.45	+24 49.0	1.995	2.886	10.2	21.3
3 2	12 6.46	+26 17.7	1.959	2.882	8.7	21.2
3 12	11 58.98	+27 31.8	1.948	2.878	8.5	21.1
3 22	11 50.87	+28 23.8	1.964	2.875	9.7	21.2
4 1	11 43.13	+28 49.0	2.004	2.871	11.9	21.3
4 11	11 36.67	+28 46.4	2.065	2.868	14.2	21.5
4 21	11 32.11	+28 18.1	2.146	2.864	16.3	21.6

386134 2007 TL_{61} 3 18.7 347.°16 3.°8/15.0 17

2 11	12 18.63	+10 27.2	2.073	2.899	12.6	21.2
2 21	12 14.05	+11 1.9	1.995	2.897	9.6	21.0
3 2	12 7.41	+11 39.7	1.942	2.896	6.4	20.8
3 12	11 59.35	+12 14.8	1.915	2.895	4.0	20.7
3 22	11 50.69	+12 41.7	1.917	2.895	4.7	20.7
4 1	11 42.37	+12 55.5	1.947	2.894	7.7	20.9
4 11	11 35.26	+12 53.6	2.003	2.893	11.0	21.1
4 21	11 29.98	+12 35.6	2.081	2.893	13.9	21.3

464949 2005 VT_{49} 3 18.7 114.°97 5.°7/13.2 18

2 11	12 23.05	+16 9.7	2.051	2.874	12.9	21.5
2 21	12 17.29	+17 1.2	1.993	2.889	10.0	21.3
3 2	12 9.39	+17 50.9	1.959	2.903	7.2	21.2
3 12	12 0.10	+18 31.7	1.952	2.917	5.7	21.1
3 22	11 50.35	+18 57.4	1.974	2.930	6.7	21.2
4 1	11 41.13	+19 4.3	2.023	2.943	9.2	21.4
4 11	11 33.32	+18 51.2	2.098	2.956	11.9	21.6
4 21	11 27.52	+18 19.5	2.194	2.968	14.4	21.8

429731 2011 KP_{47} 3 18.7 5.°04 5.°1/14.1 15

2 11	12 15.21	+10 26.3	1.561	2.407	15.0	21.0
2 21	12 12.04	+11 27.5	1.494	2.407	11.4	20.8
3 2	12 6.40	+12 34.3	1.450	2.408	7.7	20.6
3 12	11 59.01	+13 37.8	1.430	2.410	5.2	20.4
3 22	11 50.89	+14 29.2	1.437	2.412	6.4	20.5
4 1	11 43.22	+15 1.6	1.469	2.415	9.8	20.7
4 11	11 37.07	+15 11.0	1.525	2.419	13.5	20.9
4 21	11 33.13	+14 57.4	1.600	2.423	16.8	21.1

457731 2009 FB_{74} 3 18.7 21.°27 2.°8/16.7 18

2 11	12 17.50	+ 4 12.6	1.217	2.065	18.4	21.0
2 21	12 14.35	+ 4 47.4	1.156	2.070	14.0	20.8
3 2	12 8.14	+ 5 35.3	1.114	2.076	8.9	20.5
3 12	11 59.77	+ 6 28.1	1.095	2.083	3.9	20.3
3 22	11 50.52	+ 7 16.6	1.101	2.091	4.2	20.3
4 1	11 41.89	+ 7 51.9	1.131	2.100	9.1	20.6
4 11	11 35.20	+ 8 8.0	1.184	2.110	14.0	20.9
4 21	11 31.25	+ 8 3.1	1.257	2.120	18.1	21.2

274705 2008 UH_{91} 3 18.7 229.°29 2.°8/15.9 17

2 11	12 18.41	+ 6 35.6	2.029	2.850	13.1	20.8
2 21	12 13.97	+ 7 13.9	1.946	2.847	9.9	20.6
3 2	12 7.43	+ 7 59.1	1.887	2.843	6.4	20.3
3 12	11 59.41	+ 8 45.6	1.855	2.840	3.2	20.1
3 22	11 50.71	+ 9 27.5	1.851	2.836	3.8	20.2
4 1	11 42.31	+ 9 59.0	1.876	2.832	7.2	20.4
4 11	11 35.11	+10 16.2	1.927	2.828	10.8	20.6
4 21	11 29.75	+10 17.5	2.000	2.824	13.9	20.8

31333 1998 HD_{101} 3 18.7 103.°99 3.°4/14.7 18

2 11	12 17.60	+10 43.1	2.446	3.266	11.1	18.5
2 21	12 12.89	+11 22.6	2.376	3.276	8.4	18.3
3 2	12 6.48	+12 4.4	2.332	3.285	5.6	18.2
3 12	11 58.95	+12 43.3	2.315	3.294	3.6	18.1
3 22	11 50.97	+13 14.6	2.328	3.303	4.3	18.1
4 1	11 43.34	+13 34.3	2.370	3.311	6.8	18.3
4 11	11 36.75	+13 40.1	2.438	3.320	9.6	18.5
4 21	11 31.70	+13 31.3	2.530	3.329	12.1	18.7

209486 2004 HB_{60} 3 18.7 305.°81 6.°2/11.5 18

2 11	12 15.85	+16 56.0	2.102	2.938	12.1	19.5
2 21	12 12.08	+18 6.2	2.022	2.924	9.5	19.3
3 2	12 6.25	+19 16.6	1.966	2.910	7.2	19.1
3 12	11 58.94	+20 19.2	1.936	2.896	6.2	19.0
3 22	11 50.95	+21 7.0	1.934	2.882	7.5	19.1
4 1	11 43.20	+21 34.3	1.958	2.868	10.0	19.2
4 11	11 36.60	+21 38.7	2.006	2.855	12.8	19.3
4 21	11 31.79	+21 20.7	2.074	2.842	15.4	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
100042 1991 SJ_2			3 18.7 218°.02		2°.9/21.4 18	
	h m	° ′			°	m
2 11	12 21.18	− 9 15.9	2.140	2.900	14.5	20.4
2 21	12 16.17	− 9 23.2	2.036	2.891	11.7	20.2
3 2	12 8.95	− 9 14.2	1.954	2.882	8.4	19.9
3 12	12 0.08	− 8 49.6	1.898	2.871	4.9	19.7
3 22	11 50.36	− 8 11.9	1.871	2.860	2.9	19.5
4 1	11 40.78	− 7 26.0	1.873	2.848	5.4	19.7
4 11	11 32.30	− 6 37.8	1.903	2.836	9.0	19.9
4 21	11 25.68	− 5 53.4	1.959	2.823	12.5	20.1
362389 2010 OW_{34}			3 18.7 264°.91		4°.9/14.6 17	
2 11	12 23.44	+11 20.8	1.821	2.645	14.2	21.4
2 21	12 18.36	+12 7.7	1.721	2.622	11.0	21.2
3 2	12 10.63	+12 59.6	1.645	2.598	7.6	20.9
3 12	12 0.85	+13 49.0	1.596	2.574	5.0	20.7
3 22	11 49.97	+14 28.0	1.575	2.549	6.0	20.7
4 1	11 39.23	+14 49.7	1.581	2.523	9.6	20.8
4 11	11 29.83	+14 50.2	1.613	2.497	13.5	21.0
4 21	11 22.67	+14 28.9	1.665	2.470	17.1	21.2
166607 2002 RF_{229}			3 18.7 200°.46		2°.4/21.6 18	
2 11	12 14.09	−10 30.5	2.351	3.113	13.3	19.9
2 21	12 10.47	−10 3.0	2.254	3.111	10.7	19.7
3 2	12 5.08	− 9 17.6	2.181	3.109	7.6	19.5
3 12	11 58.44	− 8 16.4	2.133	3.107	4.3	19.3
3 22	11 51.22	− 7 3.3	2.114	3.105	2.4	19.2
4 1	11 44.21	− 5 44.4	2.125	3.103	4.6	19.3
4 11	11 38.16	− 4 26.2	2.164	3.100	7.9	19.5
4 21	11 33.63	− 3 14.7	2.229	3.097	11.1	19.7
37136 2000 VA_{33}			3 18.7 110°.01		2°.1/16.6 18	
2 11	12 17.30	+ 3 58.6	1.927	2.747	13.7	19.1
2 21	12 13.18	+ 4 41.5	1.850	2.751	10.4	18.9
3 2	12 6.94	+ 5 33.9	1.797	2.754	6.6	18.7
3 12	11 59.21	+ 6 30.3	1.770	2.757	2.9	18.4
3 22	11 50.85	+ 7 24.0	1.771	2.760	3.2	18.5
4 1	11 42.84	+ 8 8.7	1.801	2.763	6.9	18.7
4 11	11 36.08	+ 8 39.7	1.857	2.766	10.7	18.9
4 21	11 31.20	+ 8 54.4	1.935	2.769	13.9	19.1
105011 2000 KW_{12}			3 18.7 208°.09		4°.4/14.3 18	
2 11	12 22.80	+10 32.9	2.042	2.861	13.1	20.8
2 21	12 17.40	+11 34.0	1.956	2.854	10.0	20.6
3 2	12 9.72	+12 40.1	1.894	2.846	6.8	20.4
3 12	12 0.38	+13 44.2	1.860	2.837	4.5	20.2
3 22	11 50.26	+14 38.8	1.855	2.827	5.5	20.2
4 1	11 40.42	+15 17.5	1.879	2.817	8.6	20.4
4 11	11 31.84	+15 36.7	1.929	2.805	12.0	20.6
4 21	11 25.25	+15 35.8	2.002	2.793	15.1	20.8
204894 2007 TF_{372}			3 18.7 91°.54		1°.6/16.9 17	
2 11	12 16.49	+ 3 14.7	2.184	2.997	12.5	21.0
2 21	12 12.27	+ 3 51.2	2.109	3.006	9.5	20.8
3 2	12 6.20	+ 4 36.3	2.058	3.014	6.0	20.6
3 12	11 58.87	+ 5 25.2	2.035	3.023	2.5	20.4
3 22	11 51.04	+ 6 12.4	2.041	3.031	2.5	20.4
4 1	11 43.53	+ 6 52.7	2.076	3.040	6.0	20.7
4 11	11 37.14	+ 7 21.8	2.137	3.048	9.4	20.9
4 21	11 32.39	+ 7 37.6	2.223	3.056	12.4	21.1
67771 2000 UJ_{74}			3 18.7 73°.93		5°.4/13.7 18	
2 11	12 19.65	+ 8 40.2	1.444	2.285	16.3	18.9
2 21	12 15.32	+10 24.1	1.401	2.312	12.3	18.7
3 2	12 8.39	+12 14.7	1.380	2.338	8.1	18.5
3 12	11 59.77	+14 0.4	1.386	2.365	5.5	18.4
3 22	11 50.64	+15 29.8	1.419	2.391	6.8	18.6
4 1	11 42.26	+16 34.6	1.478	2.417	10.4	18.8
4 11	11 35.67	+17 11.3	1.560	2.443	14.0	19.1
4 21	11 31.48	+17 20.8	1.662	2.468	17.1	19.4
454313 2014 JJ_{74}			3 18.7 272°.02		1°.6/19.9 17	
2 11	12 19.17	− 5 30.9	1.440	2.247	18.2	22.5
2 21	12 15.71	− 5 19.6	1.341	2.229	14.5	22.2
3 2	12 9.25	− 4 46.4	1.262	2.210	10.0	21.9
3 12	12 0.40	− 3 53.4	1.206	2.191	4.8	21.5
3 22	11 50.20	− 2 46.2	1.176	2.171	2.0	21.3
4 1	11 40.06	− 1 33.6	1.173	2.151	7.3	21.5
4 11	11 31.47	− 0 26.1	1.193	2.131	12.7	21.8
4 21	11 25.47	+ 0 28.0	1.235	2.111	17.5	22.0
282626 2005 MQ_4			3 18.7 201°.27		2°.5/15.3 17	
2 11	12 13.88	+ 5 32.7	2.533	3.349	10.9	21.1
2 21	12 10.13	+ 6 39.8	2.447	3.347	8.2	20.9
3 2	12 4.78	+ 7 54.6	2.388	3.344	5.3	20.7
3 12	11 58.30	+ 9 11.7	2.357	3.341	2.8	20.6
3 22	11 51.32	+10 25.1	2.356	3.338	3.4	20.6
4 1	11 44.55	+11 29.2	2.385	3.335	6.3	20.8
4 11	11 38.66	+12 19.5	2.441	3.331	9.3	21.0
4 21	11 34.16	+12 53.9	2.521	3.327	11.9	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
195544 2002 JP_{57}			3 18.7 246°.13		3°.8/14.7 18	
	h m	° ′			°	m
2 11	12 18.85	+10 17.2	2.207	3.029	12.1	20.4
2 21	12 14.22	+11 2.5	2.118	3.018	9.3	20.1
3 2	12 7.59	+11 52.1	2.053	3.007	6.2	19.9
3 12	11 59.50	+12 39.8	2.016	2.995	3.9	19.8
3 22	11 50.73	+13 19.8	2.008	2.983	4.8	19.8
4 1	11 42.19	+13 46.8	2.028	2.971	7.7	20.0
4 11	11 34.74	+13 57.4	2.075	2.959	10.9	20.1
4 21	11 29.03	+13 50.9	2.144	2.946	13.8	20.3
386096 2007 PR_{44}			3 18.7 101°.85		0°.2/18.5 18	
2 11	12 17.56	− 1 8.8	2.713	3.500	11.1	22.4
2 21	12 12.61	− 0 36.7	2.647	3.527	8.4	22.2
3 2	12 6.18	+ 0 4.5	2.606	3.554	5.4	22.1
3 12	11 58.81	+ 0 51.4	2.594	3.581	2.2	21.9
3 22	11 51.12	+ 1 39.7	2.612	3.606	1.2	21.8
4 1	11 43.77	+ 2 25.3	2.661	3.631	4.4	22.1
4 11	11 37.37	+ 3 4.3	2.739	3.656	7.3	22.3
4 21	11 32.36	+ 3 34.0	2.843	3.680	9.9	22.5
44761 1999 TF_{115}			3 18.7 347°.29		4°.3/22.0 18	
2 11	12 17.10	−10 29.7	1.454	2.244	18.8	18.7
2 21	12 13.89	−10 48.1	1.370	2.241	15.3	18.5
3 2	12 7.88	−10 43.0	1.305	2.238	11.2	18.2
3 12	11 59.76	−10 14.8	1.263	2.236	6.9	18.0
3 22	11 50.59	− 9 26.8	1.246	2.234	4.3	17.8
4 1	11 41.73	− 8 26.0	1.254	2.233	6.9	17.9
4 11	11 34.47	− 7 22.2	1.287	2.232	11.3	18.2
4 21	11 29.70	− 6 24.2	1.341	2.231	15.5	18.4
83929 2001 VF_{51}			3 18.7 73°.30		4°.3/23.3 17	
2 11	12 16.61	−13 52.3	2.300	3.041	14.2	19.3
2 21	12 12.45	−14 11.7	2.210	3.046	11.7	19.2
3 2	12 6.40	−14 13.7	2.141	3.051	8.9	19.0
3 12	11 59.01	−13 58.4	2.098	3.055	6.0	18.8
3 22	11 51.00	−13 27.6	2.082	3.060	4.3	18.7
4 1	11 43.23	−12 45.3	2.094	3.065	5.4	18.8
4 11	11 36.49	−11 57.1	2.134	3.069	8.1	18.9
4 21	11 31.38	−11 8.8	2.199	3.074	10.9	19.1
61823 2000 QF_{193}			3 18.7 113°.09		1°.0/17.4 18	
2 11	12 15.96	+ 2 1.5	2.626	3.428	11.0	20.1
2 21	12 11.53	+ 2 35.3	2.552	3.442	8.3	19.9
3 2	12 5.58	+ 3 16.8	2.502	3.456	5.3	19.7
3 12	11 58.60	+ 4 2.2	2.482	3.470	2.1	19.5
3 22	11 51.23	+ 4 47.2	2.491	3.483	1.9	19.5
4 1	11 44.15	+ 5 27.3	2.530	3.496	5.0	19.8
4 11	11 38.00	+ 5 58.9	2.598	3.509	7.9	20.0
4 21	11 33.22	+ 6 19.8	2.690	3.521	10.5	20.2
433351 2013 RD_{83}			3 18.7 103°.29		2°.6/21.7 15	
2 11	12 17.11	−10 34.4	2.243	3.002	14.0	22.1
2 21	12 12.69	−10 15.8	2.167	3.021	11.2	22.0
3 2	12 6.45	− 9 39.7	2.113	3.040	7.9	21.8
3 12	11 58.98	− 8 48.2	2.086	3.059	4.6	21.6
3 22	11 51.04	− 7 45.6	2.087	3.077	2.6	21.5
4 1	11 43.46	− 6 37.5	2.118	3.095	4.7	21.7
4 11	11 37.00	− 5 30.5	2.177	3.112	7.9	21.9
4 21	11 32.18	− 4 30.0	2.262	3.129	10.9	22.1
404277 2013 EH_{88}			3 18.7 283°.04		7°.7/11.7 17	
2 11	12 21.31	+15 45.0	1.589	2.429	15.2	20.4
2 21	12 17.22	+17 9.6	1.495	2.400	12.0	20.1
3 2	12 10.18	+18 38.9	1.423	2.371	9.1	19.8
3 12	12 0.78	+20 1.9	1.377	2.341	7.7	19.7
3 22	11 50.06	+21 6.9	1.356	2.310	9.3	19.7
4 1	11 39.43	+21 44.7	1.361	2.280	12.8	19.8
4 11	11 30.30	+21 50.7	1.388	2.248	16.7	20.0
4 21	11 23.70	+21 25.4	1.433	2.217	20.3	20.1
285763 2000 UH_{31}			3 18.7 7°.33		2°.8/16.7 18	
2 11	12 17.56	+ 4 11.9	1.258	2.103	18.0	20.5
2 21	12 14.42	+ 4 48.8	1.190	2.103	13.8	20.3
3 2	12 8.26	+ 5 39.0	1.142	2.104	8.8	20.0
3 12	11 59.90	+ 6 34.7	1.118	2.106	3.9	19.7
3 22	11 50.57	+ 7 26.4	1.118	2.108	4.2	19.7
4 1	11 41.77	+ 8 5.3	1.143	2.111	9.2	20.0
4 11	11 34.84	+ 8 24.8	1.191	2.115	14.0	20.3
4 21	11 30.61	+ 8 22.7	1.258	2.119	18.3	20.6
144830 2004 JQ_{17}			3 18.7 1°.45		2°.1/20.7 18	
2 11	12 11.84	− 7 1.0	1.632	2.437	16.4	19.3
2 21	12 9.46	− 6 53.3	1.550	2.435	13.0	19.0
3 2	12 4.77	− 6 25.7	1.490	2.435	9.0	18.8
3 12	11 58.41	− 5 40.9	1.453	2.435	4.7	18.5
3 22	11 51.30	− 4 43.9	1.443	2.436	2.2	18.4
4 1	11 44.49	− 3 42.1	1.458	2.439	5.8	18.6
4 11	11 39.02	− 2 43.5	1.499	2.442	10.1	18.9
4 21	11 35.58	− 1 54.9	1.562	2.447	14.0	19.1

372490 2009 SC_{235} 3 18.7 218°.29 3°.7/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 21.00	−12 7.8	2.475	3.212	13.4	21.7
2 21	12 15.78	−12 24.9	2.365	3.201	11.0	21.5
3 2	12 8.60	−12 26.5	2.278	3.191	8.2	21.3
3 12	11 59.95	−12 12.8	2.217	3.179	5.3	21.1
3 22	11 50.53	−11 45.2	2.185	3.167	3.7	20.9
4 1	11 41.20	−11 7.2	2.183	3.154	5.1	21.0
4 11	11 32.82	−10 24.0	2.210	3.140	8.1	21.2
4 21	11 26.05	− 9 40.7	2.262	3.126	11.1	21.3

413186 2002 RZ_{250} 3 18.7 156°.95 0°.3/18.4 17

2 11	12 19.27	− 1 37.1	2.105	2.900	13.6	22.6
2 21	12 14.51	− 1 0.2	2.023	2.908	10.4	22.4
3 2	12 7.73	− 0 10.0	1.964	2.915	6.8	22.2
3 12	11 59.55	+ 0 49.0	1.934	2.921	2.7	21.9
3 22	11 50.77	+ 1 51.1	1.932	2.926	1.5	21.9
4 1	11 42.32	+ 2 50.2	1.960	2.931	5.6	22.1
4 11	11 35.04	+ 3 40.4	2.016	2.936	9.4	22.4
4 21	11 29.55	+ 4 18.0	2.096	2.939	12.6	22.6

290585 2005 UL_{155} 3 18.7 227°.22 2°.6/15.7 17

2 11	12 18.43	+ 5 40.6	2.362	3.174	11.8	22.2
2 21	12 13.83	+ 6 37.8	2.264	3.160	9.0	22.0
3 2	12 7.32	+ 7 43.4	2.191	3.146	5.8	21.8
3 12	11 59.42	+ 8 51.9	2.147	3.131	3.0	21.5
3 22	11 50.83	+ 9 57.3	2.132	3.116	3.6	21.6
4 1	11 42.39	+10 53.4	2.147	3.099	6.8	21.7
4 11	11 34.92	+11 35.6	2.190	3.082	10.1	21.9
4 21	11 29.05	+12 1.4	2.256	3.064	13.1	22.1

232011 2001 SQ_{193} 3 18.7 296°.67 0°.1/18.8 18

2 11	12 21.01	− 0 34.5	1.360	2.183	18.2	20.5
2 21	12 17.14	− 0 34.1	1.273	2.172	14.2	20.2
3 2	12 10.16	− 0 18.2	1.207	2.162	9.4	19.9
3 12	12 0.76	+ 0 9.6	1.164	2.152	3.9	19.6
3 22	11 50.13	+ 0 43.3	1.147	2.142	1.9	19.4
4 1	11 39.77	+ 1 15.5	1.156	2.133	7.7	19.7
4 11	11 31.15	+ 1 38.6	1.188	2.123	13.1	20.0
4 21	11 25.28	+ 1 47.7	1.242	2.114	17.7	20.2

6077 Messner 3 18.7 192°.15 0°.9/17.7 18

2 11	12 17.94	+ 1 27.1	2.297	3.100	12.3	17.6
2 21	12 13.39	+ 1 54.7	2.209	3.099	9.4	17.4
3 2	12 6.98	+ 2 31.9	2.144	3.097	6.0	17.2
3 12	11 59.25	+ 3 14.6	2.108	3.096	2.4	16.9
3 22	11 50.93	+ 3 58.1	2.101	3.093	1.9	16.9
4 1	11 42.85	+ 4 37.3	2.123	3.091	5.5	17.1
4 11	11 35.81	+ 5 7.8	2.173	3.088	9.0	17.3
4 21	11 30.40	+ 5 26.7	2.247	3.085	12.1	17.5

35997 1999 NQ_{20} 3 18.7 236°.56 4°.1/12.8 18

2 11	12 15.23	+13 19.6	2.810	3.632	9.8	20.0
2 21	12 11.08	+14 23.2	2.721	3.620	7.5	19.8
3 2	12 5.38	+15 29.0	2.659	3.607	5.3	19.6
3 12	11 58.58	+16 31.5	2.625	3.594	4.1	19.5
3 22	11 51.26	+17 25.3	2.621	3.580	5.0	19.6
4 1	11 44.10	+18 6.1	2.645	3.566	7.3	19.7
4 11	11 37.76	+18 31.0	2.697	3.552	9.7	19.8
4 21	11 32.73	+18 39.1	2.771	3.537	11.9	20.0

317159 2001 VZ_{103} 3 18.7 156°.13 3°.2/15.0 18

2 11	12 17.57	+ 9 51.3	2.469	3.288	11.1	20.7
2 21	12 12.93	+10 29.6	2.391	3.290	8.4	20.6
3 2	12 6.58	+11 11.0	2.339	3.293	5.6	20.4
3 12	11 59.05	+11 50.5	2.315	3.295	3.4	20.2
3 22	11 51.05	+12 23.2	2.320	3.297	4.0	20.3
4 1	11 43.33	+12 45.2	2.354	3.299	6.7	20.5
4 11	11 36.62	+12 53.6	2.416	3.301	9.5	20.6
4 21	11 31.44	+12 47.8	2.500	3.303	12.1	20.8

203439 2001 YJ_{69} 3 18.7 162°.62 3°.6/15.2 18

2 11	12 21.63	+ 7 19.1	1.875	2.696	14.0	21.2
2 21	12 16.55	+ 8 21.8	1.802	2.702	10.6	21.0
3 2	12 9.16	+ 9 32.3	1.752	2.708	6.9	20.8
3 12	12 0.17	+10 43.0	1.730	2.713	3.9	20.6
3 22	11 50.50	+11 46.3	1.737	2.717	4.7	20.7
4 1	11 41.24	+12 35.2	1.772	2.721	8.2	20.9
4 11	11 33.38	+13 5.3	1.833	2.723	11.8	21.1
4 21	11 27.59	+13 15.5	1.916	2.725	15.0	21.3

287225 2002 TG_{12} 3 18.7 193°.90 1°.3/17.3 16

2 11	12 19.25	+ 1 41.2	2.138	2.942	13.1	22.3
2 21	12 14.55	+ 2 24.0	2.049	2.940	10.0	22.0
3 2	12 7.81	+ 3 17.8	1.984	2.938	6.4	21.8
3 12	11 59.62	+ 4 17.8	1.947	2.934	2.6	21.6
3 22	11 50.76	+ 5 18.0	1.939	2.930	2.4	21.5
4 1	11 42.15	+ 6 12.2	1.961	2.926	6.2	21.8
4 11	11 34.68	+ 6 55.2	2.010	2.921	9.9	22.0
4 21	11 28.97	+ 7 23.6	2.083	2.915	13.1	22.2

386559 2009 DW_{72} 3 18.7 318°.54 0°.1/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.42	− 1 13.9	1.906	2.718	14.2	21.0
2 21	12 11.25	− 0 56.0	1.804	2.698	11.0	20.7
3 2	12 5.91	− 0 24.6	1.725	2.678	7.2	20.5
3 12	11 58.92	+ 0 17.0	1.671	2.659	3.0	20.1
3 22	11 51.08	+ 1 3.8	1.645	2.640	1.5	20.0
4 1	11 43.36	+ 1 49.6	1.647	2.622	6.0	20.2
4 11	11 36.75	+ 2 28.2	1.674	2.604	10.3	20.5
4 21	11 31.98	+ 2 54.8	1.724	2.586	14.0	20.6

301326 2009 BB_{173} 3 18.7 145°.98 0°.9/17.9 18

2 11	12 19.38	− 0 52.4	1.751	2.560	15.4	21.6
2 21	12 14.98	− 0 1.0	1.675	2.568	11.8	21.4
3 2	12 8.22	+ 1 6.0	1.621	2.575	7.5	21.1
3 12	11 59.81	+ 2 22.9	1.594	2.582	3.0	20.9
3 22	11 50.70	+ 3 41.8	1.596	2.589	2.2	20.8
4 1	11 41.99	+ 4 54.5	1.625	2.595	6.7	21.1
4 11	11 34.69	+ 5 53.9	1.681	2.600	11.0	21.4
4 21	11 29.50	+ 6 35.8	1.760	2.605	14.6	21.6

186860 2004 GV_{60} 3 18.7 304°.28 0°.9/19.5 17

2 11	12 13.82	− 5 30.4	1.608	2.417	16.5	20.8
2 21	12 11.18	− 4 54.1	1.511	2.401	13.0	20.6
3 2	12 6.06	− 3 55.5	1.436	2.385	8.8	20.3
3 12	11 59.05	− 2 38.3	1.384	2.370	4.0	19.9
3 22	11 51.04	− 1 9.3	1.359	2.355	1.6	19.7
4 1	11 43.19	+ 0 21.9	1.361	2.340	6.6	20.0
4 11	11 36.66	+ 1 45.4	1.389	2.325	11.4	20.2
4 21	11 32.30	+ 2 53.4	1.438	2.311	15.7	20.5

3534 Sax 3 18.7 69°.32 4°.1/22.9 18

2 11	12 17.36	−13 14.4	1.841	2.600	16.6	16.7
2 21	12 13.30	−13 12.3	1.771	2.621	13.5	16.5
3 2	12 7.04	−12 47.9	1.721	2.641	9.9	16.3
3 12	11 59.30	−12 2.8	1.696	2.662	6.3	16.2
3 22	11 50.98	−11 1.0	1.697	2.682	4.1	16.1
4 1	11 43.11	− 9 49.3	1.727	2.703	5.7	16.2
4 11	11 36.61	− 8 36.0	1.783	2.723	9.0	16.4
4 21	11 32.09	− 7 28.1	1.864	2.744	12.3	16.7

246993 1999 US_{52} 3 18.7 154°.11 1°.0/17.6 18

2 11	12 18.98	− 0 17.0	2.181	2.979	13.1	21.6
2 21	12 14.20	+ 0 39.0	2.101	2.989	10.0	21.4
3 2	12 7.50	+ 1 47.5	2.046	2.999	6.4	21.2
3 12	11 59.47	+ 3 3.4	2.019	3.007	2.5	21.0
3 22	11 50.89	+ 4 20.2	2.022	3.015	2.0	21.0
4 1	11 42.63	+ 5 31.3	2.055	3.021	5.8	21.2
4 11	11 35.51	+ 6 30.8	2.116	3.027	9.4	21.5
4 21	11 30.12	+ 7 15.3	2.201	3.033	12.5	21.7

409974 2006 VJ_{75} 3 18.7 127°.32 3°.1/15.5 18

2 11	12 21.26	+ 7 42.4	2.167	2.981	12.6	22.1
2 21	12 15.84	+ 8 34.1	2.101	2.998	9.5	21.9
3 2	12 8.49	+ 9 31.1	2.061	3.015	6.2	21.7
3 12	11 59.84	+10 27.3	2.049	3.032	3.4	21.6
3 22	11 50.73	+11 16.5	2.067	3.047	4.0	21.7
4 1	11 42.05	+11 53.7	2.114	3.062	7.1	21.9
4 11	11 34.62	+12 15.6	2.187	3.076	10.2	22.1
4 21	11 29.00	+12 21.3	2.284	3.090	13.0	22.3

423615 2005 WB_{100} 3 18.7 135°.74 0°.8/17.9 16

2 11	12 18.53	+ 0 12.2	2.209	3.009	12.9	22.4
2 21	12 13.81	+ 0 50.2	2.133	3.021	9.8	22.2
3 2	12 7.22	+ 1 39.1	2.080	3.032	6.3	22.0
3 12	11 59.35	+ 2 34.5	2.055	3.043	2.5	21.8
3 22	11 50.96	+ 3 30.9	2.060	3.054	1.8	21.7
4 1	11 42.91	+ 4 22.7	2.095	3.063	5.6	22.0
4 11	11 35.99	+ 5 4.8	2.157	3.073	9.1	22.2
4 21	11 30.76	+ 5 34.4	2.243	3.081	12.1	22.4

410070 2007 CL_{43} 3 18.7 88°.14 0°.8/17.9 18

2 11	12 19.68	− 1 9.6	1.918	2.720	14.5	21.9
2 21	12 14.76	− 0 12.8	1.861	2.750	11.0	21.7
3 2	12 7.81	+ 0 57.2	1.828	2.781	7.0	21.5
3 12	11 59.56	+ 2 14.6	1.823	2.810	2.7	21.3
3 22	11 50.89	+ 3 32.1	1.846	2.839	1.9	21.3
4 1	11 42.78	+ 4 42.5	1.899	2.868	6.0	21.7
4 11	11 36.03	+ 5 40.0	1.979	2.896	9.7	21.9
4 21	11 31.19	+ 6 21.6	2.083	2.923	12.8	22.2

366466 2002 ET_{10} 3 18.7 72°.27 3°.6/15.2 17

2 11	12 13.91	− 5 48.9	0.942	1.787	22.6	20.4
2 21	12 12.24	− 2 29.2	0.887	1.802	17.0	20.1
3 2	12 7.09	+ 1 34.9	0.852	1.817	10.5	19.8
3 12	11 59.49	+ 6 1.7	0.843	1.832	4.3	19.5
3 22	11 50.92	+10 21.1	0.860	1.847	6.2	19.7
4 1	11 43.14	+14 4.1	0.903	1.862	12.4	20.1
4 11	11 37.62	+16 53.7	0.969	1.878	18.0	20.4
4 21	11 35.18	+18 46.6	1.053	1.893	22.6	20.8

308172 2005 CH_6 3 18.7 17°.39 0°.9/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.50	− 2 50.0	1.174	2.008	19.8	19.9
2 21	12 13.76	− 2 50.0	1.109	2.013	15.4	19.6
3 2	12 7.91	− 2 29.9	1.063	2.019	10.3	19.3
3 12	11 59.81	− 1 53.8	1.039	2.026	4.5	19.0
3 22	11 50.74	− 1 8.8	1.039	2.035	1.8	18.9
4 1	11 42.25	− 0 23.8	1.064	2.044	7.5	19.2
4 11	11 35.71	+ 0 12.3	1.111	2.055	12.8	19.5
4 21	11 31.95	+ 0 33.8	1.178	2.066	17.3	19.8

205453 2001 PU_{55} 3 18.7 138°.24 3°.1/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.75	−10 41.2	2.482	3.232	13.0	20.8
2 21	12 13.15	−10 51.2	2.392	3.239	10.5	20.6
3 2	12 6.79	−10 46.5	2.324	3.245	7.7	20.4
3 12	11 59.19	−10 27.8	2.283	3.251	4.7	20.3
3 22	11 51.05	− 9 57.6	2.271	3.257	3.1	20.2
4 1	11 43.13	− 9 19.6	2.288	3.262	4.7	20.3
4 11	11 36.19	− 8 38.8	2.334	3.267	7.5	20.5
4 21	11 30.77	− 7 59.9	2.405	3.272	10.4	20.6

433937 4216 *P–L* 3 18.7 151°.52 0°.2/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.05	− 0 44.8	2.700	3.483	11.2	21.7
2 21	12 14.66	− 0 41.4	2.613	3.490	8.7	21.5
3 2	12 7.64	− 0 29.8	2.551	3.498	5.7	21.3
3 12	11 59.51	− 0 12.3	2.518	3.504	2.4	21.1
3 22	11 50.90	+ 0 7.8	2.516	3.510	1.1	21.0
4 1	11 42.55	+ 0 27.3	2.544	3.516	4.4	21.2
4 11	11 35.13	+ 0 42.7	2.601	3.522	7.5	21.5
4 21	11 29.15	+ 0 51.7	2.685	3.527	10.2	21.6

33853 2000 HB_{53} 3 18.7 253°.36 3°.3/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.36	+ 5 59.5	1.651	2.476	15.4	20.0
2 21	12 16.95	+ 6 46.5	1.558	2.461	11.8	19.7
3 2	12 9.82	+ 7 44.3	1.487	2.445	7.7	19.5
3 12	12 0.61	+ 8 45.9	1.443	2.429	3.9	19.2
3 22	11 50.33	+ 9 42.9	1.426	2.412	4.5	19.2
4 1	11 40.23	+10 27.3	1.436	2.394	8.8	19.4
4 11	11 31.59	+10 53.1	1.471	2.376	13.2	19.6
4 21	11 25.28	+10 57.9	1.528	2.358	17.1	19.8

319776 2006 UH_{272} 3 18.7 124°.07 0°.1/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.14	− 2 30.5	1.926	2.724	14.6	21.6
2 21	12 14.57	− 2 1.1	1.850	2.735	11.2	21.4
3 2	12 7.85	− 1 17.4	1.797	2.746	7.3	21.2
3 12	11 59.66	− 0 23.5	1.770	2.757	3.0	21.0
3 22	11 50.85	+ 0 34.8	1.772	2.767	1.4	20.8
4 1	11 42.43	+ 1 30.9	1.803	2.777	5.7	21.2
4 11	11 35.31	+ 2 18.7	1.861	2.786	9.7	21.4
4 21	11 30.11	+ 2 54.1	1.943	2.795	13.1	21.6

462101 2007 PN_{20} 3 18.7 203°.49 3°.2/21.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.01	− 9 44.6	2.073	2.830	15.0	22.4
2 21	12 17.66	− 9 56.8	1.973	2.825	12.2	22.2
3 2	12 10.00	− 9 52.0	1.894	2.819	8.8	21.9
3 12	12 0.61	− 9 30.9	1.841	2.812	5.3	21.7
3 22	11 50.35	− 8 56.0	1.817	2.805	3.2	21.6
4 1	11 40.25	− 8 11.8	1.822	2.797	5.6	21.7
4 11	11 31.34	− 7 24.6	1.855	2.787	9.3	21.9
4 21	11 24.39	− 6 40.7	1.913	2.777	12.8	22.1

235727 2004 TL_{175} 3 18.7 267°.91 0°.7/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.10	− 1 27.1	1.596	2.411	16.3	20.4
2 21	12 14.58	− 0 44.3	1.496	2.392	12.7	20.1
3 2	12 8.37	+ 0 17.6	1.418	2.373	8.3	19.8
3 12	12 0.06	+ 1 33.9	1.364	2.353	3.3	19.5
3 22	11 50.59	+ 2 56.8	1.338	2.332	2.2	19.3
4 1	11 41.23	+ 4 16.6	1.339	2.312	7.5	19.6
4 11	11 33.23	+ 5 24.1	1.365	2.291	12.5	19.8
4 21	11 27.55	+ 6 13.0	1.413	2.269	16.9	20.0

208959 2002 XG_{12} 3 18.7 78°.88 6°.1/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.48	+18 32.9	2.163	2.987	12.3	19.9
2 21	12 16.10	+19 18.3	2.102	2.996	9.7	19.7
3 2	12 8.69	+20 0.1	2.065	3.005	7.3	19.6
3 12	11 59.95	+20 31.6	2.056	3.014	6.1	19.5
3 22	11 50.74	+20 47.4	2.075	3.023	7.0	19.6
4 1	11 42.01	+20 43.9	2.121	3.032	9.3	19.8
4 11	11 34.61	+20 20.8	2.192	3.041	11.8	19.9
4 21	11 29.08	+19 39.5	2.284	3.051	14.2	20.1

488749 2004 SH_9 3 18.7 255°.77 4°.0/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.56	−16 4.8	2.083	2.813	15.8	23.2
2 21	12 15.28	−15 28.5	1.954	2.785	13.2	22.9
3 2	12 8.65	−14 24.9	1.845	2.755	10.0	22.7
3 12	12 0.14	−12 53.6	1.762	2.724	6.5	22.4
3 22	11 50.55	−10 57.9	1.707	2.692	4.1	22.2
4 1	11 40.89	− 8 45.2	1.683	2.658	5.9	22.2
4 11	11 32.26	− 6 26.3	1.688	2.624	9.8	22.4
4 21	11 25.52	− 4 12.5	1.720	2.588	13.8	22.5

425844 2011 EP_{53} 3 18.7 329°.18 6°.3/13.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 18.23	+14 31.5	1.636	2.478	14.6	20.9
2 21	12 14.45	+15 27.6	1.559	2.468	11.4	20.6
3 2	12 8.09	+16 25.3	1.505	2.457	8.2	20.4
3 12	11 59.85	+17 15.8	1.476	2.447	6.4	20.3
3 22	11 50.75	+17 50.5	1.474	2.438	7.6	20.3
4 1	11 42.02	+18 3.1	1.496	2.429	10.8	20.5
4 11	11 34.79	+17 51.0	1.542	2.421	14.3	20.7
4 21	11 29.85	+17 15.2	1.607	2.414	17.5	20.9

122430 2000 QM_{111} 3 18.7 357°.55 0°.6/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.12	− 1 14.8	1.336	2.158	18.5	18.9
2 21	12 17.14	− 1 24.6	1.259	2.156	14.4	18.7
3 2	12 10.08	− 1 19.0	1.201	2.155	9.6	18.4
3 12	12 0.74	− 1 1.1	1.168	2.155	4.1	18.1
3 22	11 50.31	− 0 36.4	1.159	2.155	1.8	17.9
4 1	11 40.31	− 0 11.8	1.177	2.155	7.4	18.3
4 11	11 32.13	+ 0 5.9	1.218	2.156	12.5	18.5
4 21	11 26.70	+ 0 11.9	1.280	2.157	17.0	18.8

107189 2001 BP_{27} 3 18.7 41°.17 4°.3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.80	+ 6 31.9	1.399	2.243	16.6	19.1
2 21	12 13.51	+ 7 46.8	1.336	2.250	12.5	18.8
3 2	12 7.51	+ 9 12.9	1.295	2.256	8.1	18.6
3 12	11 59.59	+10 40.3	1.279	2.263	4.6	18.4
3 22	11 50.90	+11 58.1	1.289	2.271	5.7	18.5
4 1	11 42.74	+12 57.0	1.324	2.279	9.8	18.7
4 11	11 36.28	+13 31.4	1.383	2.286	14.0	19.0
4 21	11 32.25	+13 40.2	1.461	2.295	17.6	19.3

290140 2005 QZ_{159} 3 18.7 225°.19 1°.5/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 38.60	+ 1 25.8	1.190	1.998	21.2	20.0
2 21	12 31.41	+ 0 16.0	1.105	1.993	16.8	19.7
3 2	12 19.92	− 0 47.6	1.040	1.989	11.4	19.4
3 12	12 4.97	− 1 45.4	0.998	1.984	5.1	19.0
3 22	11 48.19	− 2 37.9	0.984	1.978	2.4	18.8
4 1	11 31.82	− 3 26.3	0.997	1.973	8.8	19.2
4 11	11 17.97	− 4 13.5	1.035	1.967	14.9	19.5
4 21	11 7.99	− 5 2.2	1.095	1.960	20.1	19.8

469224 2016 HX_7 3 18.7 211°.76 1°.5/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.46	+ 2 9.0	2.212	3.022	12.5	21.9
2 21	12 12.39	+ 2 57.9	2.122	3.017	9.5	21.7
3 2	12 6.42	+ 3 57.5	2.057	3.012	6.1	21.4
3 12	11 59.09	+ 5 2.8	2.020	3.007	2.5	21.2
3 22	11 51.14	+ 6 7.9	2.011	3.002	2.5	21.2
4 1	11 43.41	+ 7 6.5	2.032	2.996	6.1	21.4
4 11	11 36.71	+ 7 53.4	2.080	2.990	9.7	21.6
4 21	11 31.66	+ 8 25.5	2.152	2.983	12.8	21.8

431259 2006 UO_{23} 3 18.7 182°.57 1°.6/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.51	+ 4 57.8	2.660	3.466	10.8	21.3
2 21	12 12.81	+ 5 22.8	2.573	3.466	8.2	21.1
3 2	12 6.49	+ 5 53.5	2.512	3.466	5.2	20.9
3 12	11 59.07	+ 6 26.2	2.479	3.466	2.3	20.7
3 22	11 51.17	+ 6 56.8	2.477	3.465	2.4	20.7
4 1	11 43.50	+ 7 21.4	2.504	3.465	5.3	20.9
4 11	11 36.72	+ 7 36.9	2.559	3.464	8.3	21.1
4 21	11 31.36	+ 7 41.6	2.639	3.462	10.9	21.3

348207 2004 RG_{54} 3 18.7 152°.83 1°.7/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.17	+ 3 23.3	2.381	3.187	11.9	21.8
2 21	12 13.45	+ 4 6.7	2.302	3.195	9.0	21.6
3 2	12 6.96	+ 4 58.3	2.248	3.203	5.7	21.4
3 12	11 59.27	+ 5 53.5	2.223	3.210	2.4	21.2
3 22	11 51.08	+ 6 46.7	2.227	3.216	2.5	21.3
4 1	11 43.19	+ 7 33.0	2.261	3.222	5.8	21.5
4 11	11 36.33	+ 8 8.2	2.323	3.228	9.0	21.7
4 21	11 31.04	+ 8 30.0	2.409	3.232	11.8	21.9

167478 2003 YH_{52} 3 18.7 90°.92 4°.5/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.39	+11 16.6	2.154	2.985	12.0	20.1
2 21	12 11.53	+12 31.4	2.087	2.992	9.1	19.9
3 2	12 5.81	+13 49.8	2.045	2.999	6.3	19.7
3 12	11 58.82	+15 4.6	2.031	3.005	4.5	19.6
3 22	11 51.30	+16 8.9	2.045	3.012	5.6	19.7
4 1	11 44.13	+16 56.9	2.088	3.019	8.3	19.9
4 11	11 38.07	+17 25.4	2.155	3.025	11.2	20.1
4 21	11 33.69	+17 33.9	2.244	3.032	13.7	20.3

1993 Guacolda 3 18.7 226°.02 1°.6/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.61	+ 2 14.3	2.405	3.216	11.6	18.1
2 21	12 10.06	+ 3 14.9	2.316	3.212	8.8	17.9
3 2	12 4.83	+ 4 25.9	2.252	3.208	5.6	17.6
3 12	11 58.43	+ 5 42.2	2.216	3.204	2.4	17.4
3 22	11 51.48	+ 6 57.8	2.211	3.200	2.6	17.4
4 1	11 44.73	+ 8 6.6	2.234	3.195	5.9	17.6
4 11	11 38.90	+ 9 3.6	2.285	3.191	9.1	17.8
4 21	11 34.51	+ 9 45.5	2.360	3.186	12.0	18.0

311580 2006 HF_{30} 3 18.7 274°.21 5°.8/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 19.47	+11 3.2	1.548	2.388	15.4	20.5
2 21	12 15.64	+12 15.6	1.464	2.374	11.9	20.2
3 2	12 9.03	+13 35.6	1.403	2.359	8.2	20.0
3 12	12 0.31	+14 53.4	1.367	2.344	5.8	19.8
3 22	11 50.53	+15 58.6	1.358	2.329	7.2	19.8
4 1	11 41.02	+16 42.3	1.374	2.314	10.9	20.0
4 11	11 33.07	+16 59.7	1.413	2.299	15.0	20.2
4 21	11 27.55	+16 50.1	1.472	2.283	18.6	20.4

435974 2009 DB_{82} 3 18.7 332°.87 2°.6/16.7 17

2 11	12 21.46	+ 8 4.1	1.995	2.814	13.3	20.7
2 21	12 16.42	+ 8 7.0	1.907	2.806	10.2	20.5
3 2	12 9.13	+ 8 13.4	1.843	2.798	6.7	20.3
3 12	12 0.23	+ 8 19.0	1.806	2.791	3.3	20.0
3 22	11 50.60	+ 8 19.3	1.797	2.784	3.5	20.0
4 1	11 41.27	+ 8 10.4	1.817	2.778	7.0	20.2
4 11	11 33.20	+ 7 50.0	1.863	2.771	10.7	20.4
4 21	11 27.10	+ 7 17.3	1.933	2.766	14.0	20.6

214126 2004 XW_{90} 3 18.7 1°.99 6°.0/22.9 18

2 11	12 14.13	−11 48.2	1.144	1.953	21.8	19.6
2 21	12 12.25	−12 31.1	1.071	1.951	18.0	19.3
3 2	12 7.16	−12 46.1	1.015	1.950	13.5	19.1
3 12	11 59.62	−12 31.7	0.979	1.950	8.9	18.8
3 22	11 50.88	−11 50.6	0.965	1.952	6.0	18.6
4 1	11 42.53	−10 50.6	0.975	1.955	8.1	18.8
4 11	11 36.11	− 9 43.4	1.006	1.959	12.7	19.0
4 21	11 32.60	− 8 40.3	1.057	1.965	17.2	19.3

10729 Tsvetkova 3 18.7 239°.18 0°.4/18.3 18

2 11	12 20.37	+ 0 29.4	2.242	3.039	12.8	18.7
2 21	12 15.45	+ 0 44.9	2.139	3.025	9.9	18.5
3 2	12 8.48	+ 1 10.4	2.060	3.011	6.5	18.3
3 12	11 59.98	+ 1 42.7	2.008	2.996	2.6	18.0
3 22	11 50.72	+ 2 17.5	1.986	2.980	1.6	17.9
4 1	11 41.59	+ 2 49.9	1.994	2.964	5.6	18.1
4 11	11 33.49	+ 3 15.2	2.029	2.948	9.4	18.3
4 21	11 27.11	+ 3 30.2	2.089	2.931	12.7	18.5

191936 2005 UM_{4} 3 18.7 158°.87 1°.5/17.5 18

2 11	12 24.47	+ 2 21.6	1.808	2.615	15.0	21.2
2 21	12 18.81	+ 2 52.5	1.731	2.623	11.5	21.0
3 2	12 10.71	+ 3 34.3	1.676	2.630	7.4	20.8
3 12	12 0.88	+ 4 21.8	1.649	2.636	3.0	20.5
3 22	11 50.32	+ 5 8.5	1.650	2.642	2.6	20.5
4 1	11 40.18	+ 5 48.1	1.680	2.647	6.9	20.8
4 11	11 31.54	+ 6 15.2	1.737	2.650	11.0	21.0
4 21	11 25.10	+ 6 27.4	1.817	2.653	14.6	21.2

229599 2006 BM_{252} 3 18.7 96°.52 0°.1/18.8 18

2 11	12 18.89	− 2 8.2	2.064	2.859	13.8	21.7
2 21	12 14.16	− 1 41.7	1.994	2.878	10.6	21.6
3 2	12 7.48	− 1 2.6	1.949	2.898	6.9	21.4
3 12	11 59.49	− 0 14.9	1.930	2.916	2.8	21.1
3 22	11 51.01	+ 0 36.3	1.940	2.935	1.3	21.1
4 1	11 42.95	+ 1 25.2	1.979	2.953	5.3	21.4
4 11	11 36.13	+ 2 6.4	2.046	2.971	9.0	21.6
4 21	11 31.09	+ 2 36.5	2.138	2.988	12.2	21.9

334533 2002 RV_{232} 3 18.7 93°.42 1°.1/19.9 17

2 11	12 16.60	− 5 25.3	2.257	3.040	13.2	21.6
2 21	12 12.31	− 5 2.4	2.183	3.057	10.3	21.4
3 2	12 6.25	− 4 25.4	2.132	3.074	6.9	21.2
3 12	11 58.98	− 3 37.7	2.107	3.090	3.3	21.0
3 22	11 51.26	− 2 43.5	2.112	3.107	1.3	20.9
4 1	11 43.87	− 1 48.4	2.146	3.123	4.7	21.1
4 11	11 37.56	− 0 57.9	2.209	3.139	8.1	21.4
4 21	11 32.86	− 0 16.1	2.296	3.155	11.1	21.6

432081 2008 YD_{141} 3 18.7 101°.79 3°.3/14.6 17

2 11	12 14.94	+ 7 42.1	2.250	3.075	11.8	21.5
2 21	12 11.10	+ 8 53.4	2.181	3.084	8.9	21.3
3 2	12 5.49	+10 10.8	2.138	3.094	5.8	21.2
3 12	11 58.68	+11 27.8	2.122	3.104	3.5	21.0
3 22	11 51.40	+12 37.8	2.136	3.113	4.4	21.1
4 1	11 44.44	+13 34.9	2.178	3.122	7.2	21.3
4 11	11 38.53	+14 15.3	2.247	3.131	10.2	21.5
4 21	11 34.19	+14 37.5	2.338	3.140	12.8	21.7

208624 2002 EZ_{49} 3 18.7 305°.78 0°.5/19.1 17

2 11	12 17.99	− 2 4.9	1.399	2.221	17.8	20.7
2 21	12 14.84	− 1 59.0	1.306	2.204	14.0	20.4
3 2	12 8.73	− 1 35.3	1.233	2.187	9.4	20.1
3 12	12 0.28	− 0 57.1	1.183	2.170	4.1	19.7
3 22	11 50.56	− 0 10.4	1.158	2.153	1.8	19.5
4 1	11 40.98	+ 0 36.8	1.159	2.137	7.5	19.8
4 11	11 32.98	+ 1 15.9	1.184	2.121	12.8	20.1
4 21	11 27.57	+ 1 40.7	1.229	2.106	17.6	20.3

386608 2009 HR_{36} 3 18.7 303°.69 4°.5/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 20.85	+13 30.8	2.175	2.997	12.3	20.6
2 21	12 15.86	+13 56.3	2.082	2.981	9.5	20.4
3 2	12 8.75	+14 22.4	2.014	2.964	6.6	20.2
3 12	12 0.09	+14 43.2	1.973	2.948	4.6	20.0
3 22	11 50.71	+14 53.4	1.961	2.932	5.4	20.0
4 1	11 41.55	+14 49.0	1.977	2.916	8.2	20.2
4 11	11 33.56	+14 27.9	2.019	2.900	11.3	20.3
4 21	11 27.39	+13 50.4	2.083	2.884	14.2	20.5

390978 2005 RK_{33} 3 18.7 168°.78 10°.4/ 9.9 18

2 11	12 34.40	+28 47.9	1.872	2.673	14.8	20.9
2 21	12 26.46	+29 59.9	1.816	2.679	12.6	20.8
3 2	12 15.63	+30 59.2	1.783	2.683	10.9	20.7
3 12	12 2.86	+31 35.3	1.777	2.687	10.4	20.7
3 22	11 49.45	+31 40.8	1.796	2.690	11.5	20.7
4 1	11 36.85	+31 13.1	1.841	2.692	13.5	20.9
4 11	11 26.27	+30 14.8	1.909	2.693	15.8	21.0
4 21	11 18.44	+28 51.6	1.996	2.694	17.9	21.2

173462 2000 QM_{107} 3 18.7 201°.35 0°.9/17.6 18

2 11	12 15.14	+ 1 26.7	2.840	3.638	10.4	20.9
2 21	12 10.96	+ 2 2.8	2.746	3.634	7.9	20.8
3 2	12 5.30	+ 2 47.1	2.677	3.630	5.0	20.6
3 12	11 58.62	+ 3 36.1	2.638	3.625	2.0	20.3
3 22	11 51.46	+ 4 25.7	2.628	3.621	1.7	20.3
4 1	11 44.47	+ 5 11.5	2.649	3.615	4.7	20.5
4 11	11 38.27	+ 5 49.7	2.699	3.610	7.7	20.7
4 21	11 33.33	+ 6 17.7	2.774	3.604	10.3	20.9

422767 2001 UO_{58} 3 18.7 170°.08 0°.6/18.0 16

2 11	12 20.38	+ 0 43.8	2.578	3.367	11.5	22.6
2 21	12 15.03	+ 1 11.1	2.490	3.373	8.8	22.4
3 2	12 7.96	+ 1 47.3	2.428	3.377	5.7	22.2
3 12	11 59.71	+ 2 28.8	2.394	3.381	2.3	22.0
3 22	11 50.94	+ 3 11.4	2.391	3.384	1.6	21.9
4 1	11 42.42	+ 3 50.6	2.418	3.386	5.0	22.2
4 11	11 34.88	+ 4 22.4	2.475	3.388	8.2	22.4
4 21	11 28.84	+ 4 44.2	2.557	3.388	11.0	22.6

497645 2006 RQ_{41} 3 18.7 148°.99 0°.7/19.7 17

2 11	12 13.66	− 5 30.1	2.578	3.358	11.8	22.1
2 21	12 9.96	− 4 49.0	2.489	3.363	9.2	21.9
3 2	12 4.71	− 3 54.2	2.424	3.367	6.1	21.7
3 12	11 58.38	− 2 49.0	2.387	3.371	2.8	21.5
3 22	11 51.58	− 1 37.9	2.380	3.375	1.1	21.4
4 1	11 45.00	− 0 26.5	2.403	3.378	4.3	21.6
4 11	11 39.30	+ 0 39.9	2.455	3.382	7.6	21.8
4 21	11 34.95	+ 1 36.9	2.532	3.385	10.4	22.0

157497 2005 SU_{9} 3 18.7 78°.20 1°.9/20.9 18

2 11	12 16.91	− 9 45.3	1.859	2.635	15.8	20.7
2 21	12 12.84	− 8 55.9	1.794	2.662	12.5	20.5
3 2	12 6.70	− 7 45.2	1.752	2.688	8.6	20.4
3 12	11 59.20	− 6 17.4	1.735	2.714	4.4	20.2
3 22	11 51.22	− 4 39.6	1.746	2.740	2.0	20.0
4 1	11 43.74	− 3 0.5	1.787	2.765	5.2	20.3
4 11	11 37.60	− 1 28.6	1.856	2.791	9.1	20.6
4 21	11 33.37	− 0 10.3	1.949	2.815	12.5	20.8

137058 1998 VN_{45} 3 18.7 107°.55 4°.2/14.6 18

2 11	12 23.59	+11 1.2	2.037	2.855	13.1	20.7
2 21	12 17.68	+11 55.7	1.982	2.880	10.0	20.5
3 2	12 9.70	+12 52.6	1.953	2.904	6.7	20.4
3 12	12 0.39	+13 44.8	1.951	2.928	4.4	20.3
3 22	11 50.67	+14 26.1	1.979	2.951	5.2	20.4
4 1	11 41.52	+14 51.9	2.035	2.973	8.0	20.6
4 11	11 33.79	+14 59.8	2.117	2.994	11.0	20.8
4 21	11 28.02	+14 50.3	2.222	3.015	13.7	21.0

247075 2000 SB_{2} 3 18.7 136°.02 1°.5/20.5 17

2 11	12 21.80	− 5 29.5	3.074	3.828	10.7	21.0
2 21	12 15.80	− 5 43.7	2.986	3.842	8.4	20.9
3 2	12 8.31	− 5 48.6	2.923	3.855	5.8	20.7
3 12	11 59.82	− 5 45.6	2.890	3.867	3.0	20.5
3 22	11 50.91	− 5 36.6	2.887	3.880	1.6	20.5
4 1	11 42.24	− 5 24.1	2.917	3.891	3.8	20.6
4 11	11 34.42	− 5 11.2	2.977	3.902	6.5	20.8
4 21	11 27.92	− 5 0.7	3.065	3.913	8.9	21.0

99423 2002 AV_{179} 3 18.7 103°.39 4°.1/15.0 18

2 11	12 19.62	+ 6 42.0	1.558	2.392	15.7	19.8
2 21	12 15.37	+ 7 59.4	1.497	2.405	11.9	19.6
3 2	12 8.58	+ 9 26.5	1.459	2.418	7.7	19.4
3 12	12 0.03	+10 53.8	1.447	2.430	4.4	19.2
3 22	11 50.82	+12 11.7	1.462	2.442	5.4	19.3
4 1	11 42.15	+13 11.5	1.504	2.454	9.2	19.5
4 11	11 35.11	+13 48.3	1.570	2.466	13.1	19.8
4 21	11 30.37	+14 1.3	1.656	2.477	16.5	20.0

369336 2009 SN_{284} 3 18.7 123°.74 5°.3/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 18.38	−18 9.0	2.224	2.940	15.3	21.2
2 21	12 13.88	−18 19.3	2.139	2.953	12.8	21.1
3 2	12 7.40	−18 8.1	2.075	2.966	10.0	20.9
3 12	11 59.52	−17 35.3	2.035	2.978	7.2	20.7
3 22	11 51.05	−16 42.9	2.022	2.990	5.4	20.6
4 1	11 42.88	−15 36.0	2.037	3.002	6.0	20.7
4 11	11 35.86	−14 21.3	2.080	3.013	8.4	20.9
4 21	11 30.61	−13 6.3	2.148	3.024	11.1	21.1

307958 2004 GV_{72} 3 18.7 335°.27 6°.9/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.99	+14 59.6	1.440	2.286	16.1	20.5
2 21	12 16.91	+15 47.4	1.368	2.277	12.6	20.2
3 2	12 9.87	+16 35.7	1.317	2.269	9.1	20.0
3 12	12 0.66	+17 14.8	1.290	2.262	6.9	19.8
3 22	11 50.50	+17 35.7	1.288	2.255	8.1	19.9
4 1	11 40.80	+17 32.3	1.311	2.249	11.5	20.1
4 11	11 32.89	+17 2.6	1.357	2.243	15.4	20.3
4 21	11 27.62	+16 8.7	1.421	2.238	18.9	20.5

401173 2011 WH_{70} 3 18.7 189°.62 3°.0/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.76	+ 6 37.5	1.973	2.787	13.7	22.7
2 21	12 17.43	+ 7 24.8	1.890	2.787	10.4	22.5
3 2	12 9.81	+ 8 19.8	1.830	2.785	6.7	22.2
3 12	12 0.55	+ 9 16.3	1.798	2.783	3.5	22.0
3 22	11 50.56	+10 7.3	1.796	2.780	4.1	22.1
4 1	11 40.88	+10 46.6	1.822	2.776	7.6	22.3
4 11	11 32.52	+11 10.0	1.875	2.771	11.3	22.5
4 21	11 26.17	+11 15.8	1.950	2.765	14.6	22.7

296848 2009 WJ_{169} 3 18.7 101°.43 0°.8/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.34	− 4 32.3	1.950	2.745	14.5	21.7
2 21	12 12.50	− 4 3.3	1.868	2.751	11.3	21.5
3 2	12 6.59	− 3 18.2	1.809	2.756	7.5	21.2
3 12	11 59.22	− 2 20.7	1.777	2.762	3.4	21.0
3 22	11 51.22	− 1 16.4	1.772	2.767	1.3	20.8
4 1	11 43.53	− 0 12.1	1.796	2.772	5.4	21.1
4 11	11 37.05	+ 0 45.7	1.847	2.778	9.4	21.4
4 21	11 32.40	+ 1 31.9	1.922	2.783	12.9	21.6

468263 2015 BA_{408} 3 18.7 239°.90 0°.8/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.92	+ 0 26.6	2.056	2.864	13.4	21.3
2 21	12 12.90	+ 0 57.7	1.967	2.860	10.3	21.1
3 2	12 6.85	+ 1 40.6	1.902	2.856	6.6	20.9
3 12	11 59.34	+ 2 30.9	1.863	2.851	2.6	20.6
3 22	11 51.16	+ 3 23.2	1.853	2.847	1.9	20.5
4 1	11 43.21	+ 4 11.3	1.872	2.843	5.9	20.8
4 11	11 36.39	+ 4 50.0	1.918	2.838	9.8	21.0
4 21	11 31.33	+ 5 15.6	1.987	2.834	13.1	21.2

106792 2000 XR_{24} 3 18.8 201°.09 5°.7/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.42	−23 20.9	3.177	3.835	12.1	20.9
2 21	12 11.98	−23 46.1	3.068	3.831	10.5	20.7
3 2	12 6.02	−23 54.5	2.980	3.827	8.8	20.6
3 12	11 58.96	−23 45.0	2.916	3.822	7.0	20.5
3 22	11 51.35	−23 18.0	2.879	3.816	5.8	20.4
4 1	11 43.84	−22 35.7	2.870	3.811	5.9	20.4
4 11	11 37.08	−21 42.2	2.890	3.805	7.1	20.4
4 21	11 31.56	−20 42.3	2.936	3.798	8.9	20.5

147595 Gojkomitić 3 18.8 16°.70 1°.8/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.07	− 6 12.3	1.493	2.301	17.6	20.0
2 21	12 12.93	− 6 2.0	1.416	2.303	13.9	19.8
3 2	12 7.20	− 5 30.8	1.359	2.306	9.5	19.5
3 12	11 59.56	− 4 41.9	1.326	2.309	4.7	19.2
3 22	11 51.07	− 3 41.1	1.319	2.313	2.1	19.1
4 1	11 42.96	− 2 36.7	1.337	2.317	6.4	19.3
4 11	11 36.40	− 1 37.6	1.381	2.322	11.0	19.6
4 21	11 32.15	− 0 50.4	1.447	2.328	15.2	19.9

243298 2008 EN_{82} 3 18.8 77°.21 2°.7/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.26	−12 20.5	2.023	2.764	15.8	20.1
2 21	12 18.75	−11 36.9	1.973	2.817	12.6	20.0
3 2	12 10.25	−10 32.7	1.947	2.869	8.8	19.8
3 12	12 0.58	− 9 11.7	1.947	2.919	5.0	19.7
3 22	11 50.67	− 7 40.3	1.977	2.967	2.7	19.6
4 1	11 41.48	− 6 6.2	2.039	3.015	5.0	19.9
4 11	11 33.81	− 4 37.3	2.130	3.061	8.3	20.1
4 21	11 28.14	− 3 19.6	2.247	3.105	11.4	20.4

374124 2004 TC_{69} 3 18.8 248°.26 5°.1/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.93	+14 8.3	1.974	2.798	13.3	20.3
2 21	12 17.59	+14 45.3	1.893	2.792	10.3	20.1
3 2	12 9.93	+15 22.7	1.837	2.786	7.2	19.9
3 12	12 0.62	+15 53.6	1.807	2.780	5.2	19.7
3 22	11 50.58	+16 11.9	1.806	2.773	6.1	19.8
4 1	11 40.90	+16 12.8	1.832	2.767	9.0	19.9
4 11	11 32.59	+15 54.6	1.884	2.760	12.2	20.1
4 21	11 26.33	+15 17.9	1.957	2.753	15.2	20.3

63453 2001 OQ_4 3 18.8 280°.32 4°.6/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 22.05	+ 8 47.7	1.406	2.245	16.8	19.7
2 21	12 17.87	+ 9 31.6	1.324	2.234	13.0	19.4
3 2	12 10.63	+10 23.7	1.264	2.223	8.6	19.1
3 12	12 1.06	+11 15.5	1.229	2.212	5.0	18.9
3 22	11 50.34	+11 57.6	1.219	2.201	5.9	18.9
4 1	11 39.96	+12 21.7	1.234	2.190	10.2	19.1
4 11	11 31.35	+12 23.0	1.273	2.179	14.8	19.3
4 21	11 25.44	+12 1.0	1.332	2.168	18.9	19.6

267193 2000 RY_{31} 3 18.8 196°.02 2°.5/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.09	− 8 36.9	2.576	3.327	12.5	21.5
2 21	12 15.73	− 8 45.5	2.473	3.324	10.1	21.3
3 2	12 8.54	− 8 41.0	2.394	3.320	7.2	21.1
3 12	12 0.03	− 8 24.2	2.343	3.316	4.2	20.9
3 22	11 50.87	− 7 57.4	2.321	3.310	2.5	20.8
4 1	11 41.86	− 7 24.2	2.330	3.305	4.6	20.9
4 11	11 33.79	− 6 49.3	2.368	3.298	7.7	21.1
4 21	11 27.25	− 6 16.9	2.433	3.291	10.6	21.3

414245 2008 GA_{24} 3 18.8 82°.93 6°.8/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.26	+17 33.0	1.693	2.522	14.9	21.0
2 21	12 20.33	+18 13.5	1.631	2.528	11.7	20.8
3 2	12 11.74	+18 50.6	1.591	2.535	8.6	20.6
3 12	12 1.34	+19 15.8	1.577	2.542	6.9	20.5
3 22	11 50.30	+19 22.3	1.590	2.548	7.8	20.6
4 1	11 39.90	+19 6.1	1.630	2.555	10.6	20.8
4 11	11 31.26	+18 27.1	1.694	2.562	13.8	21.0
4 21	11 25.08	+17 28.3	1.779	2.568	16.7	21.2

437184 2012 VE_{91} 3 18.8 271°.47 3°.5/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.10	+ 9 25.9	2.287	3.111	11.7	21.2
2 21	12 12.11	+10 16.4	2.200	3.102	8.9	21.0
3 2	12 6.27	+11 11.8	2.138	3.093	5.9	20.8
3 12	11 59.10	+12 6.3	2.104	3.084	3.7	20.6
3 22	11 51.33	+12 54.1	2.098	3.074	4.5	20.6
4 1	11 43.78	+13 29.7	2.121	3.065	7.4	20.8
4 11	11 37.23	+13 49.7	2.170	3.056	10.4	21.0
4 21	11 32.28	+13 52.9	2.241	3.046	13.2	21.1

382869 2004 GX_{67} 3 18.8 72°.55 2°.6/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.85	+ 5 50.2	2.213	3.035	12.1	21.0
2 21	12 11.09	+ 6 46.3	2.140	3.042	9.1	20.8
3 2	12 5.55	+ 7 49.6	2.092	3.050	5.8	20.6
3 12	11 58.78	+ 8 54.5	2.072	3.057	3.0	20.4
3 22	11 51.51	+ 9 54.7	2.081	3.064	3.6	20.5
4 1	11 44.55	+10 44.5	2.118	3.072	6.7	20.7
4 11	11 38.65	+11 20.0	2.181	3.079	9.8	20.9
4 21	11 34.34	+11 39.1	2.268	3.087	12.6	21.1

483038 2015 HD_9 3 18.8 89°.31 18°.0/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.09	+32 17.1	1.036	1.889	20.4	19.8
2 21	12 19.13	+35 45.5	1.010	1.892	18.6	19.7
3 2	12 11.92	+38 49.8	1.004	1.896	18.1	19.6
3 12	12 1.63	+41 7.7	1.018	1.899	19.0	19.7
3 22	11 50.16	+42 25.2	1.049	1.902	21.0	19.8
4 1	11 39.73	+42 38.9	1.096	1.905	23.4	20.0
4 11	11 32.18	+41 55.5	1.156	1.909	25.7	20.2
4 21	11 28.36	+40 26.5	1.227	1.912	27.8	20.4

475512 2006 SJ_{347} 3 18.8 282°.67 1°.1/19.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.77	− 5 16.3	2.276	3.062	13.0	21.6
2 21	12 11.22	− 4 55.0	2.167	3.044	10.2	21.4
3 2	12 5.79	− 4 18.9	2.082	3.025	7.0	21.1
3 12	11 58.95	− 3 30.5	2.023	3.006	3.3	20.8
3 22	11 51.39	− 2 33.7	1.993	2.988	1.4	20.7
4 1	11 43.92	− 1 34.1	1.992	2.969	4.9	20.9
4 11	11 37.37	− 0 37.9	2.018	2.950	8.7	21.1
4 21	11 32.39	+ 0 10.1	2.069	2.931	12.1	21.2

402172 2004 SP_{36} 3 18.8 227°.40 2°.7/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.74	− 7 23.1	1.797	2.574	16.3	22.6
2 21	12 17.88	− 7 32.7	1.697	2.564	13.1	22.4
3 2	12 10.41	− 7 24.8	1.618	2.554	9.2	22.1
3 12	12 0.94	− 7 0.5	1.565	2.543	5.1	21.8
3 22	11 50.42	− 6 22.9	1.539	2.531	2.7	21.6
4 1	11 40.04	− 5 37.6	1.542	2.519	6.1	21.8
4 11	11 31.00	− 4 51.7	1.571	2.506	10.4	22.0
4 21	11 24.16	− 4 11.9	1.624	2.492	14.5	22.3

170885 2004 RH_{79} 3 18.8 133°.23 2°.0/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.00	− 8 12.9	1.679	2.465	16.9	20.2
2 21	12 14.89	− 7 45.2	1.600	2.474	13.4	20.0
3 2	12 8.32	− 6 55.6	1.542	2.482	9.2	19.7
3 12	12 0.00	− 5 47.4	1.509	2.490	4.7	19.5
3 22	11 50.92	− 4 26.9	1.503	2.497	2.1	19.3
4 1	11 42.24	− 3 2.6	1.526	2.504	5.9	19.6
4 11	11 35.03	− 1 43.6	1.575	2.511	10.3	19.8
4 21	11 30.00	− 0 37.1	1.647	2.517	14.2	20.1

209634 2005 *BK* 3 18.8 94°.08 1°.6/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 21.39	+ 1 32.5	1.596	2.413	16.2	20.9
2 21	12 16.62	+ 2 14.9	1.534	2.432	12.3	20.7
3 2	12 9.35	+ 3 10.4	1.494	2.450	7.8	20.5
3 12	12 0.37	+ 4 12.3	1.480	2.468	3.1	20.2
3 22	11 50.79	+ 5 12.8	1.494	2.486	2.8	20.2
4 1	11 41.78	+ 6 4.5	1.535	2.503	7.2	20.6
4 11	11 34.41	+ 6 41.4	1.602	2.520	11.5	20.8
4 21	11 29.33	+ 7 0.9	1.691	2.537	15.1	21.1

205558 2001 SF_{273} 3 18.8 195°.27 0°.7/19.6 18

2 11	12 16.14	− 3 45.7	2.499	3.283	12.0	21.3
2 21	12 11.96	− 3 28.8	2.406	3.282	9.4	21.1
3 2	12 6.08	− 3 0.1	2.336	3.280	6.2	20.9
3 12	11 59.02	− 2 22.3	2.294	3.279	2.8	20.7
3 22	11 51.41	− 1 39.1	2.282	3.277	1.1	20.5
4 1	11 44.00	− 0 55.1	2.299	3.275	4.5	20.8
4 11	11 37.50	− 0 14.9	2.344	3.272	7.8	21.0
4 21	11 32.44	+ 0 17.7	2.415	3.270	10.8	21.2

343135 2009 FS_{13} 3 18.8 93°.66 0°.4/19.3 17

2 11	12 13.67	− 4 30.3	2.323	3.113	12.6	20.6
2 21	12 10.15	− 3 46.8	2.239	3.119	9.8	20.5
3 2	12 4.93	− 2 49.0	2.179	3.126	6.5	20.3
3 12	11 58.55	− 1 40.6	2.146	3.132	2.8	20.0
3 22	11 51.66	− 0 26.9	2.143	3.138	1.1	19.9
4 1	11 45.03	+ 0 45.9	2.169	3.144	4.8	20.2
4 11	11 39.37	+ 1 52.0	2.223	3.151	8.2	20.4
4 21	11 35.20	+ 2 46.8	2.302	3.157	11.3	20.6

450440 2005 UC_{355} 3 18.8 98°.92 1°.4/19.9 18

2 11	12 24.48	− 4 54.6	1.538	2.333	17.8	22.1
2 21	12 19.08	− 4 44.1	1.475	2.355	13.9	21.9
3 2	12 10.99	− 4 15.1	1.433	2.377	9.3	21.7
3 12	12 1.07	− 3 31.4	1.415	2.399	4.3	21.4
3 22	11 50.50	− 2 39.1	1.425	2.420	1.8	21.3
4 1	11 40.56	− 1 45.9	1.463	2.441	6.3	21.7
4 11	11 32.41	− 0 59.2	1.528	2.461	10.8	22.0
4 21	11 26.73	− 0 24.3	1.615	2.480	14.7	22.2

98421 2000 UD_{26} 3 18.8 145°.93 2°.9/15.9 18

2 11	12 20.91	+ 5 19.0	1.898	2.715	14.0	20.4
2 21	12 16.00	+ 6 19.7	1.826	2.725	10.6	20.2
3 2	12 8.86	+ 7 29.5	1.779	2.735	6.8	19.9
3 12	12 0.19	+ 8 41.5	1.759	2.744	3.4	19.7
3 22	11 50.90	+ 9 48.1	1.768	2.753	4.0	19.8
4 1	11 42.03	+10 42.4	1.806	2.760	7.6	20.0
4 11	11 34.51	+11 19.6	1.869	2.767	11.2	20.3
4 21	11 29.00	+11 38.0	1.956	2.774	14.4	20.5

409012 2003 AV_{33} 3 18.8 52°.27 4°.0/15.4 18

2 11	12 18.85	+ 6 56.8	1.434	2.275	16.5	20.8
2 21	12 14.85	+ 8 0.8	1.385	2.296	12.4	20.6
3 2	12 8.25	+ 9 13.1	1.358	2.318	8.0	20.4
3 12	11 59.93	+10 24.4	1.356	2.341	4.4	20.2
3 22	11 51.06	+11 25.4	1.381	2.363	5.3	20.3
4 1	11 42.89	+12 8.6	1.431	2.386	9.1	20.6
4 11	11 36.46	+12 29.9	1.505	2.409	13.0	20.9
4 21	11 32.39	+12 29.2	1.600	2.433	16.4	21.1

142287 2002 RZ_{134} 3 18.8 256°.87 1°.0/17.9 18

2 11	12 23.36	+ 2 3.9	1.963	2.765	14.2	20.5
2 21	12 18.20	+ 2 16.9	1.855	2.744	11.0	20.2
3 2	12 10.57	+ 2 40.1	1.770	2.722	7.2	19.9
3 12	12 1.03	+ 3 9.6	1.712	2.699	2.9	19.6
3 22	11 50.44	+ 3 40.4	1.683	2.676	2.1	19.5
4 1	11 39.92	+ 4 7.1	1.683	2.652	6.6	19.7
4 11	11 30.57	+ 4 24.5	1.711	2.628	10.9	19.9
4 21	11 23.25	+ 4 29.4	1.762	2.603	14.8	20.1

60121 1999 TE_{235} 3 18.8 6°.67 0°.5/18.4 18

2 11	12 15.30	− 1 42.0	1.335	2.166	18.0	18.7
2 21	12 12.63	− 1 7.6	1.262	2.166	13.9	18.5
3 2	12 7.15	− 0 13.3	1.209	2.166	9.1	18.2
3 12	11 59.62	+ 0 54.8	1.179	2.168	3.7	17.9
3 22	11 51.16	+ 2 8.3	1.175	2.170	2.1	17.8
4 1	11 43.13	+ 3 16.9	1.196	2.173	7.6	18.1
4 11	11 36.77	+ 4 11.6	1.241	2.176	12.6	18.4
4 21	11 32.92	+ 4 47.1	1.307	2.180	16.9	18.7

425186 2009 UK_{70} 3 18.8 130°.41 3°.0/15.5 16

2 11	12 18.80	+ 6 58.4	2.144	2.962	12.6	22.9
2 21	12 14.13	+ 7 54.2	2.074	2.973	9.5	22.7
3 2	12 7.53	+ 8 56.4	2.029	2.985	6.1	22.5
3 12	11 59.62	+ 9 58.9	2.012	2.995	3.3	22.3
3 22	11 51.20	+10 55.3	2.024	3.006	4.0	22.4
4 1	11 43.15	+11 39.8	2.065	3.016	7.1	22.6
4 11	11 36.29	+12 8.9	2.132	3.025	10.3	22.8
4 21	11 31.16	+12 21.1	2.223	3.034	13.1	23.0

157638 2005 XZ_{53} 3 18.8 197°.81 8°.3/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 19.27	+21 59.4	1.954	2.787	13.0	19.7
2 21	12 14.88	+23 31.9	1.894	2.786	10.6	19.6
3 2	12 8.22	+24 59.8	1.857	2.785	8.8	19.5
3 12	11 59.96	+26 13.2	1.847	2.784	8.4	19.4
3 22	11 51.04	+27 4.3	1.863	2.783	9.6	19.5
4 1	11 42.54	+27 28.2	1.904	2.782	11.9	19.6
4 11	11 35.42	+27 23.8	1.967	2.780	14.4	19.8
4 21	11 30.34	+26 53.5	2.049	2.779	16.7	20.0

562 Salome 3 18.8 202°.01 4°.6/13.1 18

2 11	12 17.49	+14 11.6	2.490	3.314	10.9	15.2
2 21	12 12.99	+15 8.3	2.413	3.311	8.4	15.0
3 2	12 6.75	+16 5.9	2.361	3.309	6.0	14.9
3 12	11 59.31	+16 58.4	2.338	3.306	4.6	14.8
3 22	11 51.35	+17 40.4	2.343	3.302	5.5	14.8
4 1	11 43.64	+18 7.5	2.376	3.299	7.9	15.0
4 11	11 36.93	+18 17.3	2.436	3.295	10.4	15.1
4 21	11 31.75	+18 9.6	2.517	3.291	12.8	15.3

501469 2014 BV_{19} 3 18.8 106°.49 2°.7/21.8 17

2 11	12 17.20	− 9 43.8	2.423	3.181	13.1	21.3
2 21	12 12.80	− 9 49.1	2.337	3.190	10.5	21.1
3 2	12 6.65	− 9 39.7	2.274	3.199	7.5	21.0
3 12	11 59.28	− 9 16.7	2.237	3.208	4.5	20.8
3 22	11 51.38	− 8 43.0	2.228	3.217	2.7	20.7
4 1	11 43.73	− 8 2.6	2.249	3.225	4.6	20.8
4 11	11 37.08	− 7 20.6	2.298	3.234	7.6	21.0
4 21	11 31.96	− 6 41.6	2.373	3.242	10.5	21.2

326455 2001 WL_{53} 3 18.8 152°.10 2°.1/16.8 18

2 11	12 19.81	+ 4 21.2	1.948	2.764	13.7	21.3
2 21	12 15.17	+ 4 56.8	1.870	2.768	10.5	21.1
3 2	12 8.35	+ 5 41.1	1.815	2.771	6.7	20.9
3 12	12 0.02	+ 6 28.9	1.788	2.774	3.0	20.7
3 22	11 51.04	+ 7 13.9	1.788	2.778	3.1	20.7
4 1	11 42.41	+ 7 50.2	1.818	2.780	6.8	20.9
4 11	11 35.05	+ 8 13.4	1.874	2.783	10.6	21.2
4 21	11 29.62	+ 8 21.4	1.952	2.785	13.9	21.4

520134 2014 BV_{67} 3 18.8 97°.05 2°.6/21.6 17

2 11	12 18.61	− 8 48.5	2.412	3.172	13.1	21.4
2 21	12 13.86	− 9 1.6	2.328	3.183	10.5	21.2
3 2	12 7.33	− 9 0.8	2.267	3.194	7.5	21.0
3 12	11 59.56	− 8 47.4	2.233	3.205	4.4	20.9
3 22	11 51.26	− 8 23.8	2.227	3.216	2.6	20.8
4 1	11 43.23	− 7 53.7	2.251	3.227	4.6	20.9
4 11	11 36.23	− 7 21.9	2.304	3.238	7.6	21.1
4 21	11 30.79	− 6 52.6	2.381	3.248	10.5	21.3

12792 1995 UL_{6} 3 18.8 212°.37 0°.4/19.2 18

2 11	12 20.22	− 2 52.0	2.060	2.850	14.0	19.6
2 21	12 15.52	− 2 30.1	1.963	2.844	10.9	19.4
3 2	12 8.65	− 1 54.2	1.889	2.836	7.2	19.2
3 12	12 0.19	− 1 7.4	1.843	2.828	3.1	18.9
3 22	11 50.94	− 0 14.7	1.825	2.820	1.3	18.7
4 1	11 41.88	+ 0 37.9	1.837	2.811	5.6	19.0
4 11	11 33.97	+ 1 24.4	1.876	2.801	9.6	19.2
4 21	11 27.91	+ 2 0.0	1.939	2.791	13.2	19.4

464199 2015 BO_{42} 3 18.8 128°.73 0°.1/18.9 18

2 11	12 18.83	− 3 15.2	2.213	3.001	13.2	21.9
2 21	12 14.09	− 2 33.9	2.138	3.017	10.2	21.7
3 2	12 7.48	− 1 39.0	2.086	3.033	6.7	21.5
3 12	11 59.62	− 0 34.6	2.062	3.049	2.8	21.3
3 22	11 51.26	+ 0 33.6	2.068	3.063	1.2	21.2
4 1	11 43.26	+ 1 39.5	2.104	3.077	5.1	21.5
4 11	11 36.39	+ 2 37.4	2.168	3.090	8.7	21.7
4 21	11 31.20	+ 3 23.3	2.257	3.103	11.8	21.9

171369 2006 LW_{5} 3 18.8 245°.52 5°.5/24.9 18

2 11	12 16.83	−18 14.4	2.407	3.119	14.3	20.6
2 21	12 12.79	−18 38.3	2.301	3.111	12.2	20.4
3 2	12 6.82	−18 43.2	2.216	3.103	9.7	20.2
3 12	11 59.43	−18 28.0	2.155	3.094	7.2	20.0
3 22	11 51.31	−17 53.6	2.121	3.085	5.6	19.9
4 1	11 43.29	−17 3.4	2.115	3.076	6.1	19.9
4 11	11 36.23	−16 3.1	2.136	3.067	8.3	20.1
4 21	11 30.76	−14 59.1	2.182	3.058	11.0	20.2

381395 2008 GC_{64} 3 18.8 271°.70 12°.3/ 4.9 17

2 11	12 31.86	+36 10.5	2.039	2.825	14.3	21.2
2 21	12 24.98	+37 33.2	1.966	2.800	13.0	21.1
3 2	12 15.05	+38 40.6	1.915	2.774	12.3	21.0
3 12	12 2.87	+39 21.6	1.887	2.748	12.5	20.9
3 22	11 49.69	+39 28.0	1.884	2.721	13.7	20.9
4 1	11 36.99	+38 56.0	1.902	2.694	15.5	21.0
4 11	11 26.14	+37 47.7	1.941	2.667	17.5	21.1
4 21	11 18.01	+36 8.8	1.997	2.639	19.4	21.2

148396 2000 UJ_{43} 3 18.8 151°.07 1°.5/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.56	+ 4 16.4	2.883	3.687	10.1	20.9
2 21	12 11.24	+ 4 53.9	2.802	3.694	7.6	20.7
3 2	12 5.49	+ 5 37.5	2.747	3.701	4.8	20.5
3 12	11 58.78	+ 6 23.2	2.720	3.707	2.1	20.4
3 22	11 51.67	+ 7 7.1	2.724	3.712	2.3	20.4
4 1	11 44.79	+ 7 45.2	2.758	3.718	5.0	20.6
4 11	11 38.71	+ 8 14.1	2.821	3.723	7.7	20.8
4 21	11 33.89	+ 8 32.1	2.908	3.728	10.1	20.9

122610 2000 RQ_{46} 3 18.8 110°.65 3°.4/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.31	−13 27.9	2.326	3.065	14.1	20.5
2 21	12 13.64	−13 13.1	2.249	3.087	11.4	20.3
3 2	12 7.17	−12 39.5	2.194	3.108	8.4	20.1
3 12	11 59.49	−11 48.8	2.165	3.129	5.3	20.0
3 22	11 51.35	−10 44.7	2.165	3.149	3.4	19.9
4 1	11 43.56	− 9 32.6	2.194	3.169	4.8	20.0
4 11	11 36.87	− 8 19.3	2.252	3.188	7.7	20.2
4 21	11 31.82	− 7 10.7	2.336	3.206	10.6	20.4

469742 2005 NV_{105} 3 18.8 225°.42 1°.5/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.76	− 6 40.7	2.659	3.429	11.7	22.6
2 21	12 11.65	− 6 29.5	2.557	3.422	9.3	22.4
3 2	12 5.92	− 6 5.5	2.479	3.414	6.4	22.2
3 12	11 59.03	− 5 30.7	2.428	3.407	3.4	22.0
3 22	11 51.58	− 4 48.2	2.406	3.399	1.6	21.9
4 1	11 44.27	− 4 2.0	2.414	3.391	4.2	22.0
4 11	11 37.79	− 3 17.0	2.451	3.383	7.4	22.2
4 21	11 32.66	− 2 37.2	2.514	3.374	10.2	22.4

325180 2008 FH_{75} 3 18.8 337°.36 4°.3/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.24	+ 7 4.5	1.354	2.204	16.7	20.8
2 21	12 12.69	+ 7 58.9	1.277	2.193	12.8	20.5
3 2	12 7.29	+ 9 4.5	1.221	2.183	8.4	20.2
3 12	11 59.77	+10 12.5	1.188	2.173	4.7	20.0
3 22	11 51.21	+11 12.9	1.181	2.164	5.7	20.0
4 1	11 43.00	+11 56.2	1.198	2.157	10.0	20.2
4 11	11 36.43	+12 16.3	1.237	2.150	14.6	20.4
4 21	11 32.38	+12 11.4	1.296	2.144	18.6	20.7

74644 1999 RK_{63} 3 18.8 171°.00 1°.4/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.87	− 6 31.8	2.362	3.128	13.1	21.2
2 21	12 15.67	− 6 11.9	2.270	3.134	10.4	21.0
3 2	12 8.56	− 5 37.4	2.202	3.138	7.1	20.8
3 12	12 0.12	− 4 50.7	2.162	3.142	3.5	20.6
3 22	11 51.08	− 3 56.0	2.151	3.145	1.6	20.5
4 1	11 42.29	− 2 58.4	2.171	3.146	4.7	20.7
4 11	11 34.55	− 2 3.8	2.219	3.147	8.2	20.9
4 21	11 28.47	− 1 16.7	2.294	3.147	11.3	21.1

3223 Forsius 3 18.8 59°.03 1°.1/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.23	− 1 40.8	1.594	2.414	16.1	15.1
2 21	12 12.02	− 0 31.3	1.529	2.428	12.3	14.9
3 2	12 6.46	+ 0 56.2	1.486	2.443	7.8	14.7
3 12	11 59.29	+ 2 34.3	1.469	2.457	3.1	14.4
3 22	11 51.50	+ 4 13.7	1.479	2.472	2.4	14.4
4 1	11 44.18	+ 5 44.5	1.517	2.488	7.0	14.7
4 11	11 38.31	+ 6 58.5	1.580	2.503	11.3	15.0
4 21	11 34.54	+ 7 51.4	1.666	2.518	14.9	15.2

175701 1995 UO_{40} 3 18.8 166°.34 0°.9/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.91	− 5 32.3	3.058	3.826	10.4	21.7
2 21	12 10.71	− 5 4.4	2.965	3.831	8.1	21.5
3 2	12 5.16	− 4 25.5	2.897	3.836	5.5	21.4
3 12	11 58.67	− 3 37.8	2.858	3.840	2.6	21.2
3 22	11 51.79	− 2 45.0	2.848	3.843	1.1	21.1
4 1	11 45.08	− 1 50.8	2.870	3.846	3.7	21.3
4 11	11 39.11	− 0 59.6	2.922	3.848	6.5	21.5
4 21	11 34.31	− 0 14.8	3.000	3.850	9.0	21.6

359380 2010 EO_{83} 3 18.8 258°.19 2°.4/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.37	+ 4 26.3	1.524	2.349	16.4	21.1
2 21	12 17.93	+ 4 53.2	1.438	2.340	12.6	20.8
3 2	12 10.62	+ 5 31.0	1.374	2.331	8.2	20.5
3 12	12 1.14	+ 6 13.8	1.335	2.322	3.6	20.2
3 22	11 50.59	+ 6 54.0	1.322	2.312	3.6	20.2
4 1	11 40.33	+ 7 24.1	1.337	2.303	8.3	20.4
4 11	11 31.68	+ 7 38.6	1.376	2.293	13.0	20.7
4 21	11 25.54	+ 7 34.9	1.436	2.283	17.2	20.9

142628 2002 TL_{171} 3 18.8 79°.52 5°.5/24.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.30	−16 10.0	1.730	2.474	18.0	19.4
2 21	12 15.80	−16 24.8	1.662	2.497	14.9	19.2
3 2	12 8.87	−16 14.6	1.613	2.520	11.4	19.0
3 12	12 0.28	−15 39.4	1.588	2.542	7.9	18.9
3 22	11 51.05	−14 42.7	1.588	2.565	5.6	18.8
4 1	11 42.31	−13 31.1	1.616	2.587	6.6	18.9
4 11	11 35.11	−12 13.7	1.670	2.609	9.6	19.1
4 21	11 30.10	−10 59.0	1.748	2.630	12.9	19.4

331809 2003 SQ_{71} 3 18.8 203°.73 2°.5/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 18.09	− 9 46.0	2.680	3.430	12.2	22.2
2 21	12 13.43	− 9 42.7	2.576	3.425	9.8	22.1
3 2	12 7.09	− 9 25.3	2.495	3.419	7.0	21.9
3 12	11 59.53	− 8 55.0	2.441	3.413	4.2	21.7
3 22	11 51.37	− 8 14.4	2.417	3.406	2.5	21.5
4 1	11 43.36	− 7 27.3	2.423	3.398	4.3	21.7
4 11	11 36.19	− 6 38.7	2.458	3.390	7.3	21.8
4 21	11 30.44	− 5 53.3	2.519	3.381	10.1	22.0

422762 2001 TG_{246} 3 18.8 187°.01 0°.6/18.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.65	+ 0 16.3	2.423	3.215	12.1	23.2
2 21	12 14.70	+ 0 48.5	2.331	3.215	9.3	23.0
3 2	12 7.93	+ 1 30.9	2.264	3.214	6.0	22.8
3 12	11 59.87	+ 2 19.7	2.225	3.212	2.4	22.5
3 22	11 51.22	+ 3 10.1	2.216	3.210	1.6	22.5
4 1	11 42.79	+ 3 57.2	2.238	3.207	5.2	22.7
4 11	11 35.36	+ 4 36.1	2.288	3.203	8.7	22.9
4 21	11 29.50	+ 5 3.9	2.363	3.198	11.7	23.1

67008 1999 XD_{122} 3 18.8 181°.12 2°.2/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.82	− 8 18.3	2.533	3.291	12.6	20.5
2 21	12 14.03	− 8 16.5	2.437	3.292	10.0	20.3
3 2	12 7.49	− 8 0.9	2.364	3.293	7.1	20.1
3 12	11 59.69	− 7 33.1	2.318	3.293	4.0	19.9
3 22	11 51.32	− 6 55.7	2.301	3.292	2.2	19.7
4 1	11 43.13	− 6 13.1	2.315	3.291	4.4	19.9
4 11	11 35.88	− 5 30.0	2.358	3.290	7.6	20.1
4 21	11 30.13	− 4 50.9	2.426	3.288	10.5	20.3

338359 2002 XD_{48} 3 18.8 70°.53 1°.4/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.86	− 6 9.4	2.140	2.922	13.8	20.8
2 21	12 12.65	− 5 52.3	2.070	2.943	10.8	20.6
3 2	12 6.59	− 5 20.2	2.023	2.964	7.3	20.4
3 12	11 59.30	− 4 36.3	2.003	2.984	3.6	20.2
3 22	11 51.54	− 3 45.1	2.011	3.005	1.6	20.1
4 1	11 44.16	− 2 52.1	2.048	3.025	4.8	20.4
4 11	11 37.92	− 2 3.0	2.112	3.046	8.2	20.6
4 21	11 33.37	− 1 22.1	2.202	3.066	11.3	20.8

162961 2001 QC_{165} 3 18.8 191°.74 1°.5/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.82	+ 3 59.2	2.817	3.619	10.3	21.1
2 21	12 12.30	+ 4 34.9	2.726	3.617	7.8	20.9
3 2	12 6.26	+ 5 17.3	2.661	3.615	5.0	20.7
3 12	11 59.16	+ 6 2.4	2.626	3.612	2.2	20.5
3 22	11 51.59	+ 6 46.1	2.620	3.609	2.3	20.5
4 1	11 44.21	+ 7 24.3	2.645	3.605	5.1	20.7
4 11	11 37.65	+ 7 53.4	2.698	3.601	8.0	20.9
4 21	11 32.39	+ 8 11.4	2.776	3.597	10.5	21.1

292533 2006 TH_{45} 3 18.8 125°.87 0°.6/18.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.46	+ 0 19.3	2.776	3.571	10.7	21.7
2 21	12 11.21	+ 0 53.3	2.697	3.583	8.1	21.5
3 2	12 5.51	+ 1 35.8	2.643	3.595	5.2	21.3
3 12	11 58.83	+ 2 23.3	2.618	3.606	2.1	21.1
3 22	11 51.76	+ 3 11.7	2.624	3.617	1.4	21.1
4 1	11 44.94	+ 3 56.7	2.659	3.628	4.5	21.3
4 11	11 38.96	+ 4 34.6	2.723	3.638	7.4	21.5
4 21	11 34.27	+ 5 2.7	2.812	3.648	10.0	21.7

522680 2016 HL_{25} 3 18.8 256°.48 2°.2/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.20	+ 3 59.8	1.966	2.786	13.5	21.8
2 21	12 13.29	+ 4 45.1	1.879	2.779	10.3	21.5
3 2	12 7.25	+ 5 40.5	1.816	2.772	6.6	21.3
3 12	11 59.66	+ 6 40.5	1.779	2.766	3.0	21.1
3 22	11 51.36	+ 7 38.4	1.770	2.759	3.2	21.1
4 1	11 43.29	+ 8 27.6	1.790	2.752	7.0	21.3
4 11	11 36.39	+ 9 2.8	1.836	2.745	10.8	21.5
4 21	11 31.34	+ 9 21.4	1.904	2.738	14.1	21.7

503751 2016 MW_{2} 3 18.8 348°.97 5°.1/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.13	+ 5 44.0	1.344	2.202	16.3	19.9
2 21	12 7.95	+ 7 40.2	1.272	2.193	12.3	19.7
3 2	12 4.18	+ 9 53.6	1.222	2.186	8.1	19.4
3 12	11 58.49	+12 12.1	1.196	2.179	5.2	19.2
3 22	11 51.90	+14 21.2	1.197	2.174	7.0	19.3
4 1	11 45.64	+16 7.3	1.222	2.170	11.2	19.5
4 11	11 40.90	+17 22.0	1.270	2.167	15.5	19.7
4 21	11 38.45	+18 2.4	1.336	2.165	19.2	20.0

316773 1999 TB_{74} 3 18.8 206°.66 0°.5/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.50	− 3 29.6	2.080	2.867	14.0	22.4
2 21	12 15.74	− 3 6.5	1.983	2.861	10.9	22.2
3 2	12 8.82	− 2 28.9	1.909	2.855	7.3	21.9
3 12	12 0.32	− 1 40.0	1.863	2.848	3.2	21.6
3 22	11 51.04	− 0 44.5	1.845	2.840	1.3	21.5
4 1	11 41.96	+ 0 11.4	1.857	2.832	5.5	21.8
4 11	11 34.02	+ 1 1.4	1.897	2.823	9.5	22.0
4 21	11 27.91	+ 1 40.9	1.961	2.813	13.0	22.2

13406 Sekora 3 18.8 289°.11 5°.5/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.67	−17 18.2	1.980	2.717	16.3	18.0
2 21	12 11.61	−17 23.0	1.870	2.700	13.8	17.8
3 2	12 6.33	−17 3.7	1.780	2.682	10.8	17.6
3 12	11 59.36	−16 19.3	1.713	2.665	7.7	17.3
3 22	11 51.47	−15 11.5	1.672	2.647	5.6	17.2
4 1	11 43.66	−13 45.8	1.658	2.630	6.4	17.2
4 11	11 36.94	−12 10.5	1.671	2.612	9.4	17.3
4 21	11 32.09	−10 34.8	1.709	2.595	12.9	17.5

358103 2006 KL_{81} 3 18.8 300°.10 1°.5/17.6 17

2 11	12 16.57	+ 0 40.3	1.423	2.254	17.1	21.0
2 21	12 13.78	+ 1 20.5	1.327	2.233	13.3	20.7
3 2	12 8.14	+ 2 19.1	1.253	2.212	8.6	20.4
3 12	12 0.22	+ 3 30.4	1.203	2.191	3.5	20.0
3 22	11 51.05	+ 4 45.8	1.178	2.171	3.0	19.9
4 1	11 41.99	+ 5 55.0	1.179	2.150	8.4	20.2
4 11	11 34.42	+ 6 48.7	1.203	2.130	13.6	20.4
4 21	11 29.36	+ 7 21.1	1.248	2.111	18.3	20.6

29268 1993 FY_{22} 3 18.8 83°.31 0°.1/18.8 18

2 11	12 18.52	− 0 40.3	2.263	3.059	12.7	18.9
2 21	12 13.88	− 0 31.7	2.185	3.069	9.8	18.7
3 2	12 7.39	− 0 13.2	2.130	3.079	6.4	18.5
3 12	11 59.65	+ 0 12.1	2.103	3.090	2.6	18.2
3 22	11 51.40	+ 0 40.4	2.105	3.100	1.2	18.1
4 1	11 43.46	+ 1 7.1	2.137	3.110	5.0	18.4
4 11	11 36.61	+ 1 28.2	2.196	3.121	8.5	18.7
4 21	11 31.40	+ 1 40.8	2.280	3.131	11.5	18.9

407925 2012 CO_{24} 3 18.8 207°.56 1°.0/19.8 16

2 11	12 17.61	− 5 36.7	1.840	2.632	15.4	21.5
2 21	12 13.77	− 5 5.6	1.750	2.630	12.1	21.2
3 2	12 7.65	− 4 15.9	1.682	2.627	8.2	21.0
3 12	11 59.86	− 3 11.1	1.639	2.623	3.8	20.7
3 22	11 51.28	− 1 56.9	1.625	2.620	1.5	20.5
4 1	11 42.95	− 0 41.2	1.639	2.616	5.8	20.8
4 11	11 35.88	+ 0 28.2	1.679	2.612	10.1	21.1
4 21	11 30.79	+ 1 25.2	1.744	2.607	13.8	21.3

325195 2008 FY_{111} 3 18.8 305°.95 0°.6/18.2 17

2 11	12 14.31	− 1 50.4	1.598	2.419	16.0	20.4
2 21	12 11.69	− 1 5.4	1.501	2.400	12.5	20.1
3 2	12 6.57	− 0 0.8	1.425	2.381	8.2	19.8
3 12	11 59.51	+ 1 18.4	1.375	2.363	3.3	19.5
3 22	11 51.42	+ 2 44.5	1.350	2.345	2.1	19.3
4 1	11 43.47	+ 4 7.7	1.353	2.327	7.2	19.6
4 11	11 36.83	+ 5 18.7	1.380	2.310	12.1	19.8
4 21	11 32.36	+ 6 11.1	1.429	2.293	16.4	20.1

420144 2011 FB_{90} 3 18.8 111°.12 4°.0/14.7 17

2 11	12 17.48	+ 8 57.6	1.921	2.751	13.3	20.9
2 21	12 13.48	+ 9 58.3	1.847	2.752	10.1	20.7
3 2	12 7.33	+11 5.1	1.798	2.754	6.7	20.5
3 12	11 59.69	+12 10.8	1.775	2.755	4.2	20.3
3 22	11 51.40	+13 7.9	1.780	2.757	5.1	20.4
4 1	11 43.45	+13 50.2	1.812	2.758	8.3	20.6
4 11	11 36.76	+14 13.7	1.870	2.759	11.7	20.8
4 21	11 31.97	+14 17.4	1.950	2.761	14.7	21.0

229126 2004 RP_{176} 3 18.8 145°.87 2°.9/22.3 18 R

2 11	12 17.49	−11 47.2	2.391	3.138	13.5	20.5
2 21	12 13.09	−11 32.2	2.302	3.148	10.9	20.3
3 2	12 6.90	−10 59.7	2.236	3.157	7.9	20.1
3 12	11 59.47	−10 11.3	2.197	3.166	4.8	19.9
3 22	11 51.50	− 9 10.5	2.186	3.174	2.9	19.8
4 1	11 43.80	− 8 2.5	2.205	3.181	4.6	19.9
4 11	11 37.10	− 6 53.7	2.253	3.188	7.7	20.1
4 21	11 31.98	− 5 49.7	2.326	3.195	10.7	20.3

241684 2000 RV_{86} 3 18.8 186°.46 1°.5/21.0 18

2 11	12 13.81	− 8 38.5	2.913	3.672	11.1	21.0
2 21	12 10.01	− 8 3.2	2.814	3.672	8.8	20.9
3 2	12 4.79	− 7 13.9	2.739	3.671	6.1	20.7
3 12	11 58.58	− 6 13.0	2.692	3.670	3.2	20.5
3 22	11 51.92	− 5 4.1	2.675	3.668	1.5	20.4
4 1	11 45.43	− 3 52.0	2.689	3.666	3.8	20.5
4 11	11 39.69	− 2 41.7	2.733	3.664	6.7	20.7
4 21	11 35.16	− 1 37.8	2.803	3.661	9.4	20.9

85579 1998 DQ_{19} 3 18.8 180°.03 1°.6/17.1 17

2 11	12 18.12	+ 2 36.4	2.124	2.934	13.0	20.7
2 21	12 13.77	+ 3 18.7	2.040	2.935	9.9	20.5
3 2	12 7.45	+ 4 11.1	1.981	2.936	6.3	20.3
3 12	11 59.73	+ 5 8.6	1.948	2.936	2.6	20.1
3 22	11 51.39	+ 6 5.3	1.945	2.936	2.6	20.1
4 1	11 43.31	+ 6 55.0	1.971	2.935	6.2	20.3
4 11	11 36.36	+ 7 33.0	2.023	2.934	9.8	20.5
4 21	11 31.14	+ 7 56.3	2.100	2.933	13.0	20.7

316091 2009 KC_{29} 3 18.8 330°.20 1°.7/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.20	+ 1 32.4	1.387	2.222	17.2	20.8
2 21	12 13.39	+ 2 8.8	1.305	2.213	13.2	20.5
3 2	12 7.76	+ 3 1.3	1.244	2.204	8.5	20.2
3 12	12 0.02	+ 4 3.7	1.208	2.196	3.5	19.9
3 22	11 51.22	+ 5 7.5	1.196	2.189	3.1	19.8
4 1	11 42.73	+ 6 3.1	1.210	2.182	8.2	20.1
4 11	11 35.85	+ 6 42.6	1.247	2.175	13.2	20.3
4 21	11 31.45	+ 7 1.8	1.305	2.169	17.5	20.6

121013 1999 AG_{21} 3 18.8 16°.05 2°.8/16.7 18

2 11	12 14.00	+ 2 7.4	1.067	1.923	19.7	18.7
2 21	12 12.15	+ 3 3.9	1.008	1.927	15.0	18.5
3 2	12 7.10	+ 4 19.6	0.968	1.933	9.6	18.2
3 12	11 59.74	+ 5 44.6	0.950	1.939	4.1	17.9
3 22	11 51.40	+ 7 6.6	0.956	1.947	4.3	17.9
4 1	11 43.67	+ 8 13.2	0.985	1.956	9.8	18.3
4 11	11 37.97	+ 8 55.8	1.035	1.965	15.0	18.6
4 21	11 35.11	+ 9 11.4	1.103	1.976	19.4	18.9

430154 2013 TA_{65} 3 18.8 180°.09 0°.9/17.9 17

2 11	12 19.62	+ 1 27.6	2.058	2.863	13.5	21.1
2 21	12 14.99	+ 1 47.9	1.973	2.864	10.3	20.9
3 2	12 8.28	+ 2 18.3	1.911	2.864	6.7	20.7
3 12	12 0.09	+ 2 54.6	1.876	2.864	2.7	20.4
3 22	11 51.23	+ 3 31.9	1.871	2.864	1.9	20.4
4 1	11 42.66	+ 4 4.8	1.894	2.864	5.9	20.6
4 11	11 35.27	+ 4 28.8	1.944	2.863	9.7	20.9
4 21	11 29.70	+ 4 40.9	2.018	2.863	13.0	21.1

369573 2011 BY_{73} 3 18.8 108°.98 0°.6/19.5 16

2 11	12 17.50	− 4 55.6	2.065	2.853	14.1	22.3
2 21	12 13.25	− 4 14.1	1.991	2.869	10.9	22.1
3 2	12 7.06	− 3 16.8	1.940	2.885	7.2	21.9
3 12	11 59.54	− 2 7.8	1.916	2.901	3.2	21.6
3 22	11 51.51	− 0 53.2	1.921	2.916	1.2	21.5
4 1	11 43.85	+ 0 20.3	1.956	2.931	5.2	21.8
4 11	11 37.37	+ 1 26.1	2.018	2.946	8.9	22.1
4 21	11 32.64	+ 2 19.5	2.105	2.960	12.1	22.3

396595 2001 OL_{35} 3 18.8 147°.03 4°.4/14.9 18

2 11	12 23.63	+ 9 15.5	1.770	2.593	14.6	21.6
2 21	12 18.28	+10 19.6	1.703	2.604	11.1	21.4
3 2	12 10.48	+11 29.6	1.659	2.613	7.4	21.2
3 12	12 1.00	+12 37.4	1.643	2.623	4.6	21.1
3 22	11 50.85	+13 34.7	1.655	2.631	5.5	21.1
4 1	11 41.19	+14 14.8	1.695	2.639	8.9	21.4
4 11	11 33.06	+14 34.2	1.760	2.645	12.5	21.6
4 21	11 27.15	+14 32.6	1.847	2.652	15.6	21.8

78217 2002 OP_{4} 3 18.8 48°.60 8°.1/24.9 18

2 11	12 21.86	−17 26.4	1.438	2.188	20.8	19.0
2 21	12 17.66	−18 33.7	1.370	2.204	17.6	18.8
3 2	12 10.47	−19 14.2	1.320	2.219	14.0	18.6
3 12	12 1.10	−19 24.7	1.291	2.235	10.4	18.5
3 22	11 50.77	−19 5.5	1.285	2.252	8.2	18.4
4 1	11 40.94	−18 21.7	1.305	2.268	8.8	18.5
4 11	11 32.93	−17 22.9	1.348	2.286	11.6	18.7
4 21	11 27.61	−16 19.4	1.414	2.303	14.9	18.9

89459 2001 XX_{5} 3 18.8 229°.43 6°.0/11.6 17

2 11	12 17.97	+14 47.1	2.117	2.948	12.2	19.7
2 21	12 13.83	+16 20.5	2.037	2.938	9.6	19.5
3 2	12 7.60	+17 57.0	1.982	2.927	7.1	19.3
3 12	11 59.84	+19 27.9	1.954	2.916	6.0	19.2
3 22	11 51.36	+20 44.8	1.955	2.905	7.3	19.3
4 1	11 43.09	+21 41.1	1.984	2.893	9.9	19.4
4 11	11 35.97	+22 13.2	2.037	2.881	12.8	19.6
4 21	11 30.64	+22 21.0	2.110	2.868	15.4	19.8

169183 2001 QN_{289} 3 18.8 108°.99 2°.8/14.6 18

2 11	12 16.04	+ 7 46.1	2.804	3.617	10.1	21.1
2 21	12 11.59	+ 8 59.5	2.744	3.641	7.6	20.9
3 2	12 5.72	+10 17.1	2.711	3.664	4.9	20.8
3 12	11 58.94	+11 33.6	2.707	3.688	3.0	20.7
3 22	11 51.82	+12 43.7	2.735	3.710	3.7	20.8
4 1	11 45.01	+13 42.7	2.792	3.732	6.0	21.0
4 11	11 39.08	+14 27.5	2.878	3.753	8.5	21.2
4 21	11 34.46	+14 57.0	2.987	3.774	10.7	21.3

357104 2001 TX_{213} 3 18.8 189°.59 3°.1/21.4 17

2 11	12 23.41	− 8 52.6	1.831	2.600	16.3	22.2
2 21	12 18.31	− 9 4.2	1.739	2.599	13.2	21.9
3 2	12 10.68	− 8 57.4	1.668	2.598	9.4	21.7
3 12	12 1.17	− 8 33.3	1.622	2.596	5.4	21.5
3 22	11 50.73	− 7 54.9	1.603	2.593	3.1	21.3
4 1	11 40.53	− 7 7.7	1.614	2.590	5.9	21.5
4 11	11 31.70	− 6 18.8	1.651	2.586	10.0	21.7
4 21	11 25.06	− 5 34.8	1.712	2.582	13.8	21.9

115067 2003 RQ_{19} 3 18.8 59°.23 1°.2/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.99	− 6 14.2	1.430	2.238	18.2	19.3
2 21	12 13.70	− 5 39.1	1.362	2.251	14.2	19.0
3 2	12 7.75	− 4 41.0	1.315	2.263	9.6	18.8
3 12	11 59.93	− 3 24.8	1.292	2.276	4.4	18.5
3 22	11 51.35	− 1 58.5	1.294	2.289	1.7	18.4
4 1	11 43.28	− 0 32.4	1.324	2.303	6.5	18.7
4 11	11 36.86	+ 0 43.6	1.378	2.316	11.3	19.0
4 21	11 32.81	+ 1 43.0	1.454	2.330	15.4	19.3

7446 Hadrianus 3 18.8 29°.98 0°.1/18.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.88	− 1 54.3	2.098	2.902	13.3	17.2
2 21	12 11.32	− 1 26.0	2.017	2.905	10.3	17.0
3 2	12 5.86	− 0 44.8	1.958	2.909	6.7	16.8
3 12	11 59.09	+ 0 5.3	1.927	2.914	2.8	16.5
3 22	11 51.74	+ 0 59.4	1.923	2.918	1.3	16.4
4 1	11 44.67	+ 1 51.4	1.948	2.923	5.3	16.7
4 11	11 38.68	+ 2 35.8	2.000	2.928	9.0	16.9
4 21	11 34.34	+ 3 8.9	2.076	2.933	12.2	17.2

433589 2013 YP_{44} 3 18.8 42°.50 4°.3/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.09	+10 51.6	2.203	3.033	11.8	20.9
2 21	12 11.41	+12 1.5	2.130	3.034	9.0	20.8
3 2	12 5.89	+13 15.6	2.082	3.036	6.1	20.6
3 12	11 59.09	+14 27.0	2.061	3.037	4.3	20.5
3 22	11 51.74	+15 28.9	2.069	3.038	5.3	20.5
4 1	11 44.68	+16 15.7	2.105	3.040	8.0	20.7
4 11	11 38.68	+16 44.0	2.167	3.041	10.9	20.9
4 21	11 34.30	+16 52.8	2.250	3.042	13.6	21.1

456845 2007 UL_{53} 3 18.8 141°.49 2°.1/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.56	− 7 52.2	1.794	2.575	16.1	22.4
2 21	12 15.25	− 7 34.2	1.712	2.583	12.8	22.2
3 2	12 8.59	− 6 56.5	1.652	2.590	8.9	22.0
3 12	12 0.26	− 6 1.9	1.617	2.596	4.6	21.7
3 22	11 51.19	− 4 55.5	1.609	2.603	2.2	21.6
4 1	11 42.47	− 3 44.7	1.630	2.608	5.7	21.8
4 11	11 35.12	− 2 37.5	1.678	2.614	9.8	22.0
4 21	11 29.84	− 1 40.4	1.750	2.619	13.5	22.3

151178 2001 XJ_{200} 3 18.8 188°.45 2°.2/16.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.65	+ 3 49.2	2.286	3.096	12.2	21.1
2 21	12 13.32	+ 4 52.3	2.199	3.095	9.2	20.9
3 2	12 7.12	+ 6 5.0	2.138	3.094	5.9	20.7
3 12	11 59.61	+ 7 21.9	2.106	3.092	2.8	20.5
3 22	11 51.50	+ 8 36.3	2.103	3.089	3.2	20.5
4 1	11 43.63	+ 9 41.8	2.130	3.086	6.5	20.7
4 11	11 36.78	+10 33.5	2.184	3.083	9.8	20.9
4 21	11 31.54	+11 8.6	2.262	3.078	12.8	21.1

503918 2002 RD_{156} 3 18.8 247°.30 0°.8/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.62	− 3 58.4	1.961	2.752	14.6	22.6
2 21	12 15.33	− 3 38.8	1.856	2.736	11.5	22.3
3 2	12 8.74	− 3 3.4	1.774	2.720	7.7	22.1
3 12	12 0.39	− 2 15.0	1.718	2.703	3.5	21.8
3 22	11 51.11	− 1 18.3	1.690	2.685	1.4	21.6
4 1	11 41.93	− 0 19.9	1.691	2.667	5.8	21.8
4 11	11 33.88	+ 0 33.4	1.719	2.649	10.1	22.0
4 21	11 27.76	+ 1 16.0	1.772	2.630	13.9	22.2

204713 2006 GM_{14} 3 18.8 304°.28 2°.3/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.65	+ 2 18.5	1.368	2.206	17.3	20.4
2 21	12 13.96	+ 3 2.6	1.276	2.185	13.4	20.1
3 2	12 8.33	+ 4 3.9	1.204	2.165	8.7	19.8
3 12	12 0.36	+ 5 16.1	1.156	2.145	3.7	19.4
3 22	11 51.11	+ 6 29.7	1.134	2.125	3.7	19.4
4 1	11 41.99	+ 7 34.0	1.136	2.106	9.0	19.6
4 11	11 34.43	+ 8 20.0	1.162	2.087	14.3	19.8
4 21	11 29.46	+ 8 42.8	1.208	2.068	18.9	20.1

377439 2004 TW_{290} 3 18.8 266°.72 0°.5/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.22	+ 0 18.0	1.966	2.771	14.0	21.1
2 21	12 14.93	+ 0 33.5	1.869	2.760	10.9	20.8
3 2	12 8.41	+ 1 0.4	1.796	2.748	7.1	20.6
3 12	12 0.22	+ 1 35.3	1.749	2.737	2.9	20.3
3 22	11 51.21	+ 2 13.0	1.731	2.725	1.7	20.2
4 1	11 42.38	+ 2 48.1	1.741	2.713	6.0	20.4
4 11	11 34.71	+ 3 15.1	1.777	2.701	10.2	20.7
4 21	11 28.95	+ 3 30.4	1.838	2.689	13.8	20.9

501078 2013 SQ_{53} 3 18.8 294°.30 0°.3/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.18	− 0 17.1	1.685	2.498	15.7	21.3
2 21	12 15.40	− 0 6.6	1.583	2.477	12.2	21.0
3 2	12 9.00	+ 0 17.6	1.503	2.456	8.1	20.7
3 12	12 0.57	+ 0 52.1	1.447	2.435	3.3	20.4
3 22	11 51.02	+ 1 31.4	1.419	2.414	1.8	20.2
4 1	11 41.54	+ 2 8.9	1.418	2.393	6.8	20.5
4 11	11 33.37	+ 2 38.1	1.443	2.372	11.6	20.7
4 21	11 27.40	+ 2 54.2	1.489	2.352	15.8	20.9

519386 2011 RB_{21} 3 18.8 279°.29 0°.6/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 19.14	− 1 56.8	2.313	3.102	12.7	21.3
2 21	12 14.55	− 2 1.1	2.209	3.088	9.9	21.1
3 2	12 8.01	− 1 55.3	2.129	3.075	6.6	20.9
3 12	12 0.03	− 1 41.6	2.076	3.061	3.0	20.6
3 22	11 51.31	− 1 23.0	2.052	3.047	1.2	20.5
4 1	11 42.71	− 1 3.3	2.058	3.034	5.0	20.7
4 11	11 35.09	− 0 47.0	2.092	3.020	8.6	20.9
4 21	11 29.09	− 0 37.2	2.150	3.006	11.9	21.1

170842 2004 FC_{49} 3 18.8 63°.94 1°.4/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.22	− 7 13.4	2.114	2.897	13.9	20.2
2 21	12 10.79	− 6 38.4	2.035	2.908	10.9	20.0
3 2	12 5.50	− 5 46.4	1.978	2.919	7.5	19.8
3 12	11 58.94	− 4 40.6	1.948	2.930	3.7	19.6
3 22	11 51.85	− 3 26.5	1.946	2.941	1.5	19.5
4 1	11 45.07	− 2 10.6	1.973	2.952	4.8	19.7
4 11	11 39.37	− 0 59.8	2.028	2.963	8.5	20.0
4 21	11 35.30	+ 0 0.6	2.108	2.974	11.7	20.2

219780 2002 AF_{15} 3 18.8 145°.42 4°.0/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.48	+12 36.5	2.498	3.309	11.2	21.1
2 21	12 16.69	+13 24.1	2.429	3.323	8.6	20.9
3 2	12 9.12	+14 12.8	2.387	3.335	5.9	20.8
3 12	12 0.38	+14 56.9	2.374	3.347	4.1	20.7
3 22	11 51.20	+15 31.3	2.390	3.358	4.8	20.7
4 1	11 42.39	+15 52.2	2.436	3.368	7.3	20.9
4 11	11 34.69	+15 57.6	2.510	3.377	9.9	21.1
4 21	11 28.62	+15 47.3	2.607	3.386	12.3	21.3

262958 2007 DC_{78} 3 18.8 342°.66 10°.4/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.68	−22 17.0	1.473	2.207	21.1	19.3
2 21	12 12.47	−23 34.0	1.383	2.196	18.6	19.1
3 2	12 7.38	−24 23.1	1.309	2.186	15.7	18.8
3 12	11 59.98	−24 38.7	1.254	2.177	12.8	18.6
3 22	11 51.29	−24 18.4	1.221	2.170	10.7	18.5
4 1	11 42.71	−23 24.7	1.210	2.163	10.7	18.5
4 11	11 35.68	−22 6.5	1.222	2.157	12.7	18.6
4 21	11 31.23	−20 35.7	1.255	2.153	15.8	18.7

18038 1999 NR_{48} 3 18.8 206°.70 3°.0/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.46	−12 15.9	2.540	3.288	12.8	18.6
2 21	12 10.78	−12 7.0	2.442	3.286	10.4	18.4
3 2	12 5.44	−11 41.5	2.366	3.285	7.7	18.2
3 12	11 58.93	−11 0.6	2.317	3.283	4.8	18.0
3 22	11 51.86	−10 7.2	2.296	3.281	3.1	17.9
4 1	11 44.97	− 9 5.7	2.304	3.279	4.5	18.0
4 11	11 38.95	− 8 1.8	2.340	3.277	7.3	18.2
4 21	11 34.34	− 7 1.0	2.402	3.275	10.2	18.3

219766 2001 YS_{93} 3 18.8 177°.39 0°.6/19.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.72	− 4 6.3	2.449	3.227	12.4	22.2
2 21	12 14.00	− 3 37.6	2.356	3.230	9.6	22.0
3 2	12 7.52	− 2 55.9	2.288	3.232	6.4	21.8
3 12	11 59.78	− 2 4.3	2.248	3.233	2.9	21.6
3 22	11 51.47	− 1 7.3	2.238	3.233	1.1	21.5
4 1	11 43.39	− 0 9.9	2.258	3.233	4.7	21.7
4 11	11 36.28	+ 0 42.4	2.307	3.232	8.1	21.9
4 21	11 30.70	+ 1 25.6	2.382	3.230	11.1	22.1

166683 2002 TN_{114} 3 18.8 130°.66 5°.0/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.41	−17 20.7	2.330	3.050	14.5	19.6
2 21	12 12.45	−17 33.0	2.237	3.055	12.2	19.4
3 2	12 6.62	−17 25.4	2.165	3.059	9.5	19.2
3 12	11 59.43	−16 57.6	2.117	3.063	6.9	19.1
3 22	11 51.63	−16 11.7	2.097	3.067	5.1	19.0
4 1	11 44.04	−15 11.7	2.104	3.071	5.7	19.0
4 11	11 37.47	−14 4.1	2.140	3.075	8.1	19.2
4 21	11 32.53	−12 55.5	2.200	3.078	10.8	19.3

413279 2003 UG_{70} 3 18.8 244°.66 3°.4/22.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.10	−12 6.3	1.913	2.673	16.0	22.7
2 21	12 14.29	−11 49.9	1.805	2.658	13.1	22.5
3 2	12 8.14	−11 10.5	1.718	2.643	9.6	22.2
3 12	12 0.18	−10 9.0	1.655	2.626	5.8	22.0
3 22	11 51.25	− 8 49.0	1.620	2.609	3.4	21.8
4 1	11 42.41	− 7 17.6	1.614	2.592	5.8	21.9
4 11	11 34.72	− 5 43.9	1.635	2.573	9.8	22.1
4 21	11 29.01	− 4 16.7	1.680	2.555	13.7	22.3

349945 2010 CD_{52} 3 18.8 255°.16 3°.1/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.67	−12 53.7	2.352	3.102	13.6	21.2
2 21	12 10.34	−12 30.5	2.251	3.097	11.1	21.0
3 2	12 5.24	−11 48.0	2.173	3.093	8.2	20.8
3 12	11 58.87	−10 47.5	2.120	3.088	5.1	20.6
3 22	11 51.90	− 9 32.8	2.096	3.083	3.1	20.5
4 1	11 45.10	− 8 9.5	2.100	3.078	4.7	20.6
4 11	11 39.23	− 6 44.7	2.133	3.072	7.8	20.7
4 21	11 34.88	− 5 24.9	2.192	3.067	10.9	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
303252 2004 RZ_{21}			3 18.8 216°.39		0°.5/19.3 16	
	h m	° ′			°	m
2 11	12 21.83	− 2 58.2	1.748	2.545	15.8	22.3
2 21	12 17.21	− 2 42.1	1.655	2.539	12.4	22.1
3 2	12 10.04	− 2 10.0	1.584	2.532	8.3	21.8
3 12	12 0.95	− 1 25.3	1.539	2.525	3.6	21.5
3 22	11 50.91	− 0 33.3	1.522	2.517	1.5	21.3
4 1	11 41.09	+ 0 18.9	1.533	2.509	6.3	21.6
4 11	11 32.65	+ 1 4.3	1.570	2.500	10.9	21.9
4 21	11 26.40	+ 1 37.7	1.631	2.490	14.9	22.1
70521 1999 TF_{109}			3 18.8 279°.44		4°.6/23.0 18	
2 11	12 16.22	−13 44.0	1.627	2.396	18.0	19.5
2 21	12 13.20	−13 42.0	1.530	2.385	14.9	19.2
3 2	12 7.59	−13 13.7	1.451	2.374	11.2	19.0
3 12	11 59.99	−12 18.9	1.396	2.363	7.2	18.7
3 22	11 51.34	−11 1.2	1.366	2.352	4.6	18.5
4 1	11 42.85	− 9 28.0	1.362	2.340	6.6	18.6
4 11	11 35.72	− 7 50.1	1.384	2.329	10.7	18.8
4 21	11 30.84	− 6 17.8	1.430	2.318	14.8	19.0
268033 2004 PT_{19}			3 18.8 180°.00		1°.3/17.2 17	
2 11	12 16.37	+ 0 38.5	2.421	3.222	11.9	21.0
2 21	12 12.23	+ 1 40.8	2.333	3.223	9.0	20.8
3 2	12 6.38	+ 2 54.6	2.271	3.224	5.7	20.6
3 12	11 59.32	+ 4 14.9	2.237	3.224	2.3	20.4
3 22	11 51.71	+ 5 35.6	2.233	3.224	2.2	20.3
4 1	11 44.33	+ 6 50.4	2.260	3.223	5.6	20.6
4 11	11 37.89	+ 7 54.0	2.314	3.222	8.9	20.8
4 21	11 32.94	+ 8 42.8	2.394	3.220	11.8	21.0
127553 2002 YN_{9}			3 18.8 325°.67		10°.1/27.1 17	
2 11	12 17.19	−22 54.0	1.613	2.330	20.1	18.8
2 21	12 14.24	−24 6.9	1.518	2.319	17.8	18.6
3 2	12 8.46	−24 53.4	1.440	2.309	15.0	18.3
3 12	12 0.43	−25 8.2	1.382	2.299	12.3	18.1
3 22	11 51.13	−24 49.0	1.345	2.290	10.4	18.0
4 1	11 41.90	−23 57.9	1.333	2.281	10.4	18.0
4 11	11 34.12	−22 43.0	1.344	2.273	12.3	18.1
4 21	11 28.81	−21 15.4	1.376	2.266	15.2	18.2
21680 Richardschwartz			3 18.8 117°.31		0°.4/19.2 18	
2 11	12 16.21	− 3 51.0	2.030	2.826	14.0	19.1
2 21	12 12.42	− 3 14.6	1.948	2.831	10.9	18.9
3 2	12 6.63	− 2 22.9	1.889	2.837	7.2	18.7
3 12	11 59.46	− 1 19.7	1.856	2.842	3.1	18.4
3 22	11 51.67	− 0 10.8	1.852	2.847	1.2	18.3
4 1	11 44.17	+ 0 56.9	1.876	2.852	5.4	18.6
4 11	11 37.82	+ 1 57.1	1.928	2.857	9.2	18.8
4 21	11 33.22	+ 2 45.0	2.004	2.861	12.6	19.0
199132 2005 YO_{96}			3 18.8 149°.07		2°.1/16.9 18	
2 11	12 23.52	+ 3 24.3	1.828	2.637	14.8	21.5
2 21	12 18.15	+ 4 10.2	1.754	2.648	11.2	21.3
3 2	12 10.41	+ 5 6.7	1.704	2.659	7.2	21.1
3 12	12 1.02	+ 6 7.5	1.681	2.668	3.1	20.9
3 22	11 50.96	+ 7 5.6	1.687	2.677	3.2	20.9
4 1	11 41.33	+ 7 54.1	1.722	2.684	7.2	21.2
4 11	11 33.16	+ 8 27.8	1.783	2.691	11.1	21.4
4 21	11 27.13	+ 8 44.5	1.867	2.697	14.5	21.6
323946 2005 UU_{25}			3 18.8 252°.24		2°.6/21.5 17	
2 11	12 16.50	− 9 44.0	1.971	2.744	15.2	21.1
2 21	12 12.91	− 9 25.8	1.870	2.733	12.2	20.9
3 2	12 7.14	− 8 47.5	1.790	2.722	8.7	20.6
3 12	11 59.74	− 7 50.6	1.735	2.711	4.9	20.4
3 22	11 51.51	− 6 39.4	1.708	2.700	2.6	20.2
4 1	11 43.43	− 5 20.6	1.709	2.688	5.4	20.4
4 11	11 36.46	− 4 2.3	1.738	2.676	9.4	20.6
4 21	11 31.35	− 2 51.7	1.791	2.664	13.1	20.8
384717 2011 HT_{70}			3 18.8 262°.47		3°.1/15.6 17	
2 11	12 17.89	+ 7 23.6	2.116	2.937	12.6	21.1
2 21	12 13.76	+ 8 10.2	2.024	2.925	9.6	20.9
3 2	12 7.57	+ 9 3.8	1.956	2.912	6.3	20.7
3 12	11 59.88	+ 9 58.6	1.915	2.899	3.5	20.5
3 22	11 51.46	+10 48.3	1.903	2.886	4.1	20.5
4 1	11 43.23	+11 27.1	1.920	2.872	7.4	20.6
4 11	11 36.09	+11 50.5	1.962	2.859	10.9	20.8
4 21	11 30.69	+11 56.8	2.028	2.845	14.0	21.0
383814 2008 BE_{19}			3 18.8 91°.07		2°.6/21.6 17	R
2 11	12 17.66	− 8 52.2	2.390	3.152	13.1	21.0
2 21	12 13.24	− 9 0.3	2.305	3.161	10.5	20.8
3 2	12 7.04	− 8 54.2	2.242	3.170	7.5	20.6
3 12	11 59.60	− 8 35.1	2.206	3.179	4.4	20.4
3 22	11 51.62	− 8 5.7	2.198	3.188	2.6	20.3
4 1	11 43.89	− 7 30.1	2.220	3.196	4.6	20.5
4 11	11 37.17	− 6 53.2	2.270	3.205	7.6	20.7
4 21	11 32.00	− 6 19.5	2.345	3.214	10.6	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
362121 2009 DY_{6}			3 18.8 43°.40		1°.4/19.9 18	
	h m	° ′			°	m
2 11	12 17.19	− 5 40.3	1.307	2.123	19.1	20.2
2 21	12 14.10	− 5 17.8	1.242	2.134	15.0	19.9
3 2	12 8.16	− 4 32.1	1.196	2.146	10.1	19.7
3 12	12 0.18	− 3 27.7	1.173	2.158	4.7	19.4
3 22	11 51.36	− 2 12.6	1.176	2.171	1.8	19.3
4 1	11 43.10	− 0 57.0	1.204	2.184	6.9	19.6
4 11	11 36.62	+ 0 9.2	1.256	2.197	11.9	19.9
4 21	11 32.70	+ 0 59.0	1.329	2.211	16.2	20.2
141846 2002 OE_{26}			3 18.8 141°.25		0°.5/19.4 18	
2 11	12 20.92	− 3 38.5	2.234	3.016	13.3	21.3
2 21	12 15.75	− 3 10.6	2.155	3.030	10.3	21.1
3 2	12 8.67	− 2 29.5	2.099	3.044	6.8	20.9
3 12	12 0.27	− 1 38.5	2.071	3.056	3.0	20.7
3 22	11 51.33	− 0 42.6	2.073	3.068	1.2	20.6
4 1	11 42.74	+ 0 12.5	2.105	3.079	5.0	20.9
4 11	11 35.29	+ 1 1.5	2.166	3.090	8.6	21.1
4 21	11 29.56	+ 1 40.4	2.251	3.099	11.7	21.3
385115 2012 XQ_{1}			3 18.8 215°.97		1°.1/17.6 17	
2 11	12 16.22	+ 1 55.2	2.346	3.152	12.0	21.3
2 21	12 12.19	+ 2 26.5	2.259	3.151	9.2	21.1
3 2	12 6.39	+ 3 6.9	2.195	3.149	5.9	20.9
3 12	11 59.35	+ 3 52.4	2.160	3.148	2.4	20.6
3 22	11 51.75	+ 4 38.2	2.154	3.146	2.0	20.6
4 1	11 44.37	+ 5 19.2	2.177	3.144	5.5	20.8
4 11	11 37.96	+ 5 51.1	2.227	3.142	8.8	21.0
4 21	11 33.09	+ 6 11.1	2.302	3.140	11.8	21.2
377919 2006 EA_{36}			3 18.8 47°.46		2°.1/16.7 18	
2 11	12 16.17	+ 3 7.9	1.934	2.754	13.7	20.6
2 21	12 12.51	+ 3 59.8	1.854	2.755	10.4	20.4
3 2	12 6.76	+ 5 2.7	1.798	2.755	6.6	20.2
3 12	11 59.54	+ 6 10.7	1.769	2.756	2.9	19.9
3 22	11 51.67	+ 7 16.8	1.768	2.757	3.1	20.0
4 1	11 44.09	+ 8 14.0	1.795	2.758	6.9	20.2
4 11	11 37.71	+ 8 56.9	1.849	2.759	10.6	20.4
4 21	11 33.16	+ 9 22.5	1.925	2.760	13.9	20.6
214154 2005 CJ_{5}			3 18.8 43°.04		1°.6/17.6 18	
2 11	12 18.25	+ 1 8.8	1.304	2.139	18.1	20.5
2 21	12 14.86	+ 1 48.9	1.244	2.151	13.8	20.2
3 2	12 8.61	+ 2 44.9	1.204	2.164	8.8	20.0
3 12	12 0.35	+ 3 49.7	1.188	2.177	3.6	19.7
3 22	11 51.32	+ 4 53.9	1.197	2.190	3.0	19.7
4 1	11 42.89	+ 5 48.3	1.232	2.204	8.1	20.0
4 11	11 36.28	+ 6 25.7	1.291	2.219	12.8	20.3
4 21	11 32.24	+ 6 43.0	1.370	2.233	16.9	20.6
236108 2005 QB_{96}			3 18.8 237°.05		0°.5/19.5 18	
2 11	12 13.70	− 4 48.4	2.737	3.517	11.2	20.7
2 21	12 10.10	− 4 4.4	2.632	3.506	8.7	20.5
3 2	12 4.98	− 3 7.1	2.552	3.495	5.8	20.3
3 12	11 58.76	− 1 59.5	2.499	3.484	2.6	20.1
3 22	11 52.02	− 0 46.1	2.477	3.472	1.0	19.9
4 1	11 45.40	+ 0 27.9	2.486	3.460	4.3	20.2
4 11	11 39.55	+ 1 37.1	2.523	3.448	7.5	20.3
4 21	11 34.96	+ 2 37.2	2.586	3.436	10.3	20.5
135393 2001 TO_{198}			3 18.8 199°.44		3°.2/15.3 18	
2 11	12 18.75	+ 9 41.9	2.461	3.277	11.2	19.9
2 21	12 14.02	+10 18.1	2.378	3.276	8.5	19.7
3 2	12 7.53	+10 57.6	2.321	3.274	5.7	19.6
3 12	11 59.81	+11 35.6	2.291	3.271	3.4	19.4
3 22	11 51.56	+12 7.0	2.291	3.269	4.0	19.4
4 1	11 43.56	+12 27.8	2.320	3.266	6.7	19.6
4 11	11 36.55	+12 35.2	2.376	3.263	9.6	19.8
4 21	11 31.09	+12 28.3	2.456	3.260	12.2	20.0
439765 2015 FP_{343}			3 18.8 291°.39		5°.2/12.6 17	
2 11	12 15.26	+13 9.6	2.157	2.991	11.9	20.7
2 21	12 11.76	+14 25.5	2.070	2.974	9.2	20.5
3 2	12 6.29	+15 45.3	2.007	2.958	6.6	20.3
3 12	11 59.37	+17 1.6	1.972	2.941	5.2	20.1
3 22	11 51.74	+18 6.9	1.964	2.924	6.4	20.2
4 1	11 44.28	+18 54.8	1.984	2.908	9.1	20.3
4 11	11 37.87	+19 21.5	2.029	2.891	12.1	20.5
4 21	11 33.13	+19 26.2	2.094	2.875	14.8	20.6
16726 1996 DC			3 18.8 312°.92		3°.8/15.6 18	
2 11	12 15.79	+ 4 18.8	1.312	2.158	17.4	17.5
2 21	12 13.28	+ 5 32.1	1.233	2.148	13.3	17.2
3 2	12 7.83	+ 7 2.4	1.175	2.138	8.6	16.9
3 12	12 0.15	+ 8 40.3	1.141	2.128	4.4	16.6
3 22	11 51.37	+10 13.9	1.132	2.118	5.3	16.6
4 1	11 42.89	+11 31.0	1.149	2.109	10.1	16.9
4 11	11 36.08	+12 23.1	1.187	2.101	15.0	17.1
4 21	11 31.88	+12 46.9	1.245	2.093	19.3	17.4

290673 2005 UU_{325} 3 18.8 112°.74 0°.7/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.60	− 5 1.7	1.864	2.659	15.1	21.6
2 21	12 12.91	− 4 26.1	1.782	2.664	11.8	21.4
3 2	12 7.07	− 3 32.8	1.722	2.669	7.9	21.2
3 12	11 59.68	− 2 25.8	1.688	2.673	3.5	20.9
3 22	11 51.62	− 1 11.2	1.682	2.678	1.3	20.8
4 1	11 43.87	+ 0 3.4	1.705	2.682	5.6	21.1
4 11	11 37.37	+ 1 10.4	1.754	2.686	9.7	21.3
4 21	11 32.77	+ 2 4.4	1.827	2.690	13.3	21.5

242915 2006 NC_{1} 3 18.8 184°.96 4°.4/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.46	+10 15.3	2.087	2.908	12.7	20.9
2 21	12 15.66	+11 26.0	2.009	2.909	9.7	20.7
3 2	12 8.76	+12 42.0	1.956	2.908	6.6	20.5
3 12	12 0.36	+13 55.9	1.931	2.908	4.4	20.3
3 22	11 51.31	+15 0.2	1.935	2.906	5.4	20.4
4 1	11 42.56	+15 48.6	1.968	2.904	8.4	20.6
4 11	11 35.02	+16 17.4	2.026	2.900	11.6	20.8
4 21	11 29.32	+16 25.7	2.106	2.897	14.4	20.9

326415 2001 SK_{326} 3 18.8 126°.85 1°.2/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.66	− 6 13.6	1.950	2.736	14.8	20.9
2 21	12 13.60	− 5 40.1	1.869	2.745	11.6	20.7
3 2	12 7.45	− 4 48.9	1.811	2.754	7.9	20.4
3 12	11 59.82	− 3 43.6	1.779	2.762	3.7	20.2
3 22	11 51.57	− 2 30.0	1.776	2.771	1.4	20.1
4 1	11 43.64	− 1 15.3	1.801	2.778	5.3	20.3
4 11	11 36.95	− 0 6.7	1.854	2.786	9.3	20.6
4 21	11 32.11	+ 0 50.2	1.931	2.793	12.8	20.8

208436 2001 TP_{102} 3 18.8 211°.24 0°.6/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.49	− 3 59.2	2.581	3.364	11.7	21.1
2 21	12 11.52	− 3 33.2	2.484	3.360	9.1	20.9
3 2	12 5.92	− 2 55.1	2.411	3.355	6.1	20.7
3 12	11 59.16	− 2 7.7	2.366	3.350	2.7	20.5
3 22	11 51.86	− 1 14.8	2.350	3.345	1.0	20.3
4 1	11 44.73	− 0 21.3	2.365	3.340	4.4	20.6
4 11	11 38.45	+ 0 27.8	2.407	3.334	7.7	20.8
4 21	11 33.55	+ 1 8.8	2.476	3.329	10.6	21.0

130577 2000 RK_{69} 3 18.8 76°.16 1°.8/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.08	+ 2 32.8	1.448	2.273	17.2	19.2
2 21	12 17.51	+ 3 4.7	1.386	2.288	13.1	19.0
3 2	12 10.20	+ 3 49.3	1.345	2.303	8.4	18.7
3 12	12 0.98	+ 4 39.8	1.330	2.318	3.4	18.5
3 22	11 51.05	+ 5 28.5	1.341	2.333	3.0	18.5
4 1	11 41.74	+ 6 7.7	1.379	2.348	7.7	18.8
4 11	11 34.20	+ 6 31.8	1.441	2.363	12.2	19.1
4 21	11 29.16	+ 6 38.4	1.525	2.378	16.1	19.4

285349 1999 RS_{99} 3 18.8 151°.59 4°.7/25.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.49	−18 53.1	2.906	3.595	12.6	21.9
2 21	12 14.39	−19 5.3	2.812	3.606	10.6	21.8
3 2	12 7.69	−19 0.6	2.740	3.617	8.4	21.7
3 12	11 59.87	−18 38.6	2.693	3.628	6.2	21.5
3 22	11 51.55	−18 0.9	2.675	3.637	4.8	21.4
4 1	11 43.43	−17 10.6	2.687	3.646	5.2	21.5
4 11	11 36.19	−16 12.5	2.728	3.654	7.0	21.6
4 21	11 30.35	−15 12.1	2.795	3.661	9.2	21.8

166820 2002 VX_{93} 3 18.8 166°.73 1°.2/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.97	− 7 15.4	2.686	3.454	11.7	20.8
2 21	12 11.02	− 6 39.0	2.593	3.458	9.2	20.7
3 2	12 5.54	− 5 48.5	2.524	3.461	6.3	20.5
3 12	11 58.99	− 4 46.5	2.484	3.464	3.1	20.3
3 22	11 51.96	− 3 37.4	2.473	3.467	1.3	20.1
4 1	11 45.13	− 2 26.1	2.492	3.469	4.1	20.4
4 11	11 39.15	− 1 18.2	2.541	3.471	7.2	20.6
4 21	11 34.49	− 0 18.1	2.616	3.472	10.0	20.7

505854 2015 CK_{57} 3 18.8 281°.90 1°.5/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.57	+ 2 37.3	2.131	2.943	12.8	21.4
2 21	12 12.66	+ 3 11.2	2.043	2.939	9.8	21.2
3 2	12 6.81	+ 3 54.9	1.979	2.935	6.3	21.0
3 12	11 59.57	+ 4 43.6	1.943	2.930	2.6	20.8
3 22	11 51.68	+ 5 32.0	1.935	2.926	2.4	20.7
4 1	11 44.03	+ 6 14.4	1.955	2.922	6.1	21.0
4 11	11 37.44	+ 6 46.0	2.003	2.917	9.7	21.2
4 21	11 32.55	+ 7 4.0	2.073	2.913	12.9	21.4

432117 2009 BZ_{19} 3 18.8 83°.83 4°.4/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.88	+10 55.7	2.144	2.974	12.1	21.8
2 21	12 12.04	+12 8.2	2.077	2.981	9.2	21.6
3 2	12 6.33	+13 24.6	2.035	2.989	6.3	21.4
3 12	11 59.33	+14 37.7	2.021	2.996	4.4	21.3
3 22	11 51.82	+15 40.6	2.036	3.004	5.5	21.4
4 1	11 44.64	+16 27.6	2.078	3.012	8.2	21.6
4 11	11 38.58	+16 55.5	2.146	3.019	11.1	21.7
4 21	11 34.18	+17 3.5	2.235	3.027	13.7	21.9

181670 Kengyun 3 18.8 259°.82 3°.0/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.89	+ 7 3.4	2.389	3.212	11.3	20.1
2 21	12 10.42	+ 8 10.7	2.306	3.209	8.5	19.9
3 2	12 5.25	+ 9 25.0	2.250	3.206	5.5	19.7
3 12	11 58.90	+10 40.4	2.221	3.203	3.2	19.6
3 22	11 52.02	+11 50.6	2.221	3.200	4.0	19.6
4 1	11 45.35	+12 49.7	2.250	3.197	6.8	19.8
4 11	11 39.61	+13 33.7	2.306	3.194	9.8	20.0
4 21	11 35.33	+14 0.4	2.385	3.191	12.5	20.2

408708 2014 NX_{49} 3 18.8 328°.34 5°.1/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.48	+ 8 32.1	1.366	2.211	16.9	20.6
2 21	12 15.93	+ 9 39.2	1.295	2.208	12.9	20.3
3 2	12 9.44	+10 55.9	1.246	2.206	8.6	20.1
3 12	12 0.78	+12 12.3	1.222	2.204	5.3	19.9
3 22	11 51.15	+13 17.5	1.222	2.202	6.4	19.9
4 1	11 41.97	+14 2.2	1.248	2.200	10.6	20.2
4 11	11 34.56	+14 21.2	1.297	2.198	14.9	20.4
4 21	11 29.76	+14 14.0	1.365	2.197	18.7	20.6

401440 2013 CJ_{130} 3 18.9 43°.73 1°.9/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.33	− 0 10.6	1.352	2.184	17.7	21.0
2 21	12 13.44	+ 0 58.8	1.282	2.188	13.5	20.7
3 2	12 7.76	+ 2 28.4	1.233	2.192	8.6	20.5
3 12	12 0.08	+ 4 9.9	1.208	2.197	3.5	20.2
3 22	11 51.50	+ 5 51.9	1.210	2.201	3.3	20.2
4 1	11 43.38	+ 7 22.8	1.237	2.206	8.4	20.5
4 11	11 36.95	+ 8 33.1	1.288	2.211	13.3	20.7
4 21	11 32.99	+ 9 18.3	1.360	2.216	17.4	21.0

377448 2004 TK_{366} 3 18.9 206°.80 2°.5/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.75	− 9 1.0	2.156	2.923	14.2	20.8
2 21	12 13.62	− 8 56.3	2.060	2.921	11.4	20.6
3 2	12 7.48	− 8 34.8	1.987	2.918	8.1	20.4
3 12	11 59.89	− 7 58.1	1.940	2.915	4.6	20.2
3 22	11 51.58	− 7 9.4	1.920	2.911	2.5	20.0
4 1	11 43.48	− 6 14.2	1.930	2.908	5.0	20.2
4 11	11 36.44	− 5 18.6	1.967	2.904	8.6	20.4
4 21	11 31.12	− 4 28.4	2.030	2.900	11.9	20.6

229251 2004 XQ_{182} 3 18.9 222°.66 5°.1/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.68	−17 9.1	2.419	3.134	14.2	20.8
2 21	12 14.26	−17 27.3	2.311	3.125	12.0	20.6
3 2	12 7.90	−17 26.6	2.224	3.116	9.4	20.4
3 12	12 0.07	−17 6.5	2.161	3.106	6.8	20.2
3 22	11 51.49	−16 28.0	2.126	3.096	5.2	20.1
4 1	11 43.00	−15 34.6	2.120	3.085	5.8	20.1
4 11	11 35.46	−14 32.2	2.141	3.073	8.2	20.3
4 21	11 29.53	−13 27.3	2.189	3.062	11.0	20.4

463550 2013 RA_{50} 3 18.9 250°.40 2°.0/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.48	−10 6.6	1.877	2.655	15.6	20.9
2 21	12 11.38	− 9 20.2	1.785	2.653	12.5	20.7
3 2	12 6.15	− 8 10.5	1.714	2.650	8.8	20.5
3 12	11 59.35	− 6 40.5	1.669	2.648	4.7	20.2
3 22	11 51.83	− 4 56.6	1.652	2.646	2.1	20.0
4 1	11 44.55	− 3 7.5	1.664	2.643	5.4	20.3
4 11	11 38.45	− 1 23.2	1.703	2.641	9.5	20.5
4 21	11 34.22	+ 0 8.6	1.767	2.639	13.3	20.7

181863 1998 XB_{100} 3 18.9 107°.98 2°.5/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.13	− 7 42.5	2.113	2.873	14.7	19.9
2 21	12 19.01	− 7 53.4	2.042	2.898	11.7	19.8
3 2	12 10.80	− 7 49.2	1.993	2.923	8.2	19.6
3 12	12 1.18	− 7 31.5	1.971	2.946	4.5	19.4
3 22	11 51.04	− 7 3.6	1.978	2.969	2.5	19.3
4 1	11 41.35	− 6 29.9	2.016	2.992	5.0	19.5
4 11	11 32.99	− 5 56.0	2.082	3.013	8.5	19.8
4 21	11 26.57	− 5 26.4	2.173	3.034	11.6	20.0

90226 Byronsmith 3 18.9 329°.27 7°.3/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.80	+15 34.6	1.743	2.595	13.5	19.0
2 21	12 9.64	+17 21.0	1.661	2.573	10.6	18.7
3 2	12 5.19	+19 11.9	1.603	2.551	8.2	18.5
3 12	11 59.02	+20 56.6	1.571	2.531	7.4	18.4
3 22	11 51.97	+22 24.6	1.564	2.511	9.0	18.5
4 1	11 45.11	+23 27.2	1.583	2.491	12.0	18.6
4 11	11 39.48	+23 59.7	1.623	2.473	15.2	18.8
4 21	11 35.84	+24 2.0	1.682	2.456	18.1	18.9

455361 2002 TT_{104} 3 18.9 123°.81 1°.6/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.06	− 7 36.6	2.706	3.467	11.8	22.5
2 21	12 12.52	− 7 16.7	2.624	3.484	9.3	22.3
3 2	12 6.46	− 6 43.7	2.567	3.500	6.4	22.2
3 12	11 59.37	− 5 59.9	2.538	3.516	3.4	22.0
3 22	11 51.87	− 5 8.9	2.538	3.531	1.6	21.9
4 1	11 44.63	− 4 15.1	2.569	3.546	4.0	22.1
4 11	11 38.29	− 3 23.2	2.629	3.560	6.9	22.3
4 21	11 33.31	− 2 37.3	2.716	3.574	9.6	22.5

503573 2016 GD_{20} 3 18.9 232°.99 0°.6/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 20.01	+ 0 12.1	1.972	2.776	14.1	21.8
2 21	12 15.53	+ 0 33.9	1.879	2.768	10.9	21.6
3 2	12 8.83	+ 1 7.7	1.808	2.760	7.1	21.3
3 12	12 0.48	+ 1 49.5	1.764	2.751	2.9	21.0
3 22	11 51.32	+ 2 34.1	1.748	2.742	1.7	20.9
4 1	11 42.37	+ 3 15.5	1.761	2.733	6.1	21.2
4 11	11 34.60	+ 3 48.2	1.801	2.724	10.2	21.4
4 21	11 28.74	+ 4 8.5	1.865	2.714	13.7	21.6

269787 1999 TK_{237} 3 18.9 166°.87 1°.6/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.84	+ 3 16.4	2.259	3.066	12.4	21.1
2 21	12 14.24	+ 3 50.5	2.176	3.069	9.4	20.9
3 2	12 7.76	+ 4 33.0	2.117	3.072	6.0	20.7
3 12	11 59.96	+ 5 19.5	2.087	3.074	2.6	20.5
3 22	11 51.59	+ 6 4.8	2.085	3.076	2.4	20.5
4 1	11 43.49	+ 6 43.5	2.113	3.078	5.9	20.7
4 11	11 36.47	+ 7 11.7	2.169	3.079	9.3	20.9
4 21	11 31.09	+ 7 26.8	2.248	3.080	12.3	21.1

394392 2007 EP_{88} 3 18.9 100°.59 24°.4/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	15 33.20	−36 24.3	0.617	1.088	63.9	19.9
2 21	14 56.49	−40 22.5	0.565	1.199	54.9	19.7
3 2	14 0.50	−43 19.0	0.520	1.292	44.5	19.3
3 12	12 46.14	−43 5.9	0.498	1.370	33.5	19.1
3 22	11 32.80	−38 24.4	0.513	1.434	25.6	19.0
4 1	10 39.93	−31 7.5	0.570	1.486	25.1	19.3
4 11	10 8.86	−24 4.4	0.661	1.526	29.2	19.8
4 21	9 53.00	−18 28.0	0.773	1.554	33.5	20.3

384949 2012 TM_{128} 3 18.9 113°.62 1°.8/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.22	+ 3 11.4	2.505	3.314	11.3	21.5
2 21	12 11.24	+ 4 8.9	2.432	3.327	8.5	21.3
3 2	12 5.68	+ 5 14.7	2.384	3.340	5.4	21.1
3 12	11 59.06	+ 6 23.6	2.365	3.352	2.4	21.0
3 22	11 52.02	+ 7 30.3	2.376	3.364	2.6	21.0
4 1	11 45.25	+ 8 29.5	2.417	3.376	5.6	21.2
4 11	11 39.41	+ 9 16.8	2.485	3.388	8.6	21.4
4 21	11 34.98	+ 9 49.9	2.577	3.399	11.2	21.6

248631 2006 FL_{24} 3 18.9 321°.35 1°.2/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.87	− 0 21.7	1.323	2.157	18.0	20.6
2 21	12 13.35	+ 0 17.4	1.240	2.147	13.9	20.3
3 2	12 7.91	+ 1 16.1	1.177	2.136	9.0	20.0
3 12	12 0.24	+ 2 28.5	1.138	2.126	3.6	19.7
3 22	11 51.42	+ 3 45.6	1.123	2.117	2.7	19.6
4 1	11 42.88	+ 4 56.5	1.134	2.108	8.2	19.9
4 11	11 35.98	+ 5 51.6	1.167	2.100	13.5	20.1
4 21	11 31.67	+ 6 25.4	1.221	2.092	18.1	20.4

497360 2005 UF_{225} 3 18.9 218°.87 0°.4/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.30	− 0 14.1	2.338	3.130	12.5	23.0
2 21	12 15.43	+ 0 10.1	2.237	3.120	9.7	22.8
3 2	12 8.61	+ 0 45.1	2.160	3.110	6.3	22.5
3 12	12 0.36	+ 1 27.4	2.112	3.099	2.6	22.3
3 22	11 51.41	+ 2 12.5	2.093	3.087	1.5	22.1
4 1	11 42.61	+ 2 55.4	2.104	3.075	5.3	22.4
4 11	11 34.80	+ 3 31.0	2.143	3.062	9.0	22.6
4 21	11 28.61	+ 3 56.1	2.208	3.048	12.2	22.8

366393 2001 QU_{182} 3 18.9 215°.76 5°.6/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.41	+15 20.1	2.345	3.168	11.5	22.5
2 21	12 14.78	+16 48.0	2.262	3.159	9.0	22.3
3 2	12 8.19	+18 17.9	2.206	3.148	6.6	22.1
3 12	12 0.19	+19 42.2	2.178	3.138	5.6	22.0
3 22	11 51.51	+20 53.4	2.179	3.126	6.8	22.1
4 1	11 43.03	+21 45.6	2.208	3.114	9.2	22.2
4 11	11 35.59	+22 15.8	2.262	3.100	11.9	22.4
4 21	11 29.82	+22 23.6	2.338	3.087	14.3	22.5

423544 2005 UV_{249} 3 18.9 212°.74 5°.0/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.17	−17 57.8	2.397	3.109	14.4	22.3
2 21	12 13.89	−18 3.0	2.290	3.101	12.2	22.1
3 2	12 7.66	−17 47.9	2.203	3.094	9.6	21.9
3 12	11 59.99	−17 11.8	2.141	3.085	6.9	21.7
3 22	11 51.60	−16 16.5	2.107	3.077	5.1	21.6
4 1	11 43.32	−15 6.1	2.101	3.067	5.8	21.6
4 11	11 36.02	−13 47.2	2.123	3.057	8.2	21.7
4 21	11 30.34	−12 27.0	2.172	3.046	11.0	21.9

349896 2009 FB_{23} 3 18.9 276°.98 2°.6/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.11	+ 5 59.7	2.326	3.146	11.7	20.9
2 21	12 11.44	+ 6 50.1	2.237	3.137	8.9	20.7
3 2	12 5.99	+ 7 47.9	2.172	3.128	5.7	20.5
3 12	11 59.27	+ 8 48.0	2.135	3.119	2.9	20.3
3 22	11 51.95	+ 9 44.5	2.127	3.111	3.5	20.3
4 1	11 44.82	+10 31.8	2.147	3.102	6.6	20.5
4 11	11 38.63	+11 5.8	2.194	3.093	9.8	20.7
4 21	11 33.97	+11 24.1	2.265	3.084	12.6	20.9

343656 2010 LR_{46} 3 18.9 219°.91 2°.0/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 19.82	+ 5 35.2	2.190	3.002	12.6	21.7
2 21	12 15.09	+ 5 56.8	2.105	3.000	9.6	21.5
3 2	12 8.37	+ 6 24.6	2.044	2.998	6.2	21.3
3 12	12 0.25	+ 6 54.3	2.010	2.997	2.8	21.1
3 22	11 51.51	+ 7 21.0	2.006	2.995	2.9	21.1
4 1	11 43.05	+ 7 40.1	2.030	2.993	6.3	21.3
4 11	11 35.69	+ 7 48.2	2.082	2.990	9.7	21.5
4 21	11 30.06	+ 7 43.7	2.158	2.988	12.8	21.7

391327 2006 TG_{116} 3 18.9 9°.25 1°.5/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.19	+ 0 11.4	2.012	2.829	13.3	20.9
2 21	12 9.42	+ 1 21.0	1.931	2.830	10.1	20.7
3 2	12 4.77	+ 2 44.7	1.875	2.832	6.4	20.5
3 12	11 58.79	+ 4 16.4	1.845	2.833	2.6	20.3
3 22	11 52.23	+ 5 48.7	1.844	2.836	2.5	20.3
4 1	11 45.92	+ 7 13.5	1.872	2.838	6.3	20.5
4 11	11 40.68	+ 8 24.4	1.927	2.841	10.0	20.7
4 21	11 37.09	+ 9 17.2	2.004	2.845	13.2	21.0

263784 2008 LS_{10} 3 18.9 252°.54 1°.4/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.55	+ 1 13.6	1.826	2.642	14.5	21.2
2 21	12 13.78	+ 1 55.3	1.741	2.638	11.1	21.0
3 2	12 7.75	+ 2 50.2	1.679	2.635	7.2	20.8
3 12	12 0.08	+ 3 52.7	1.643	2.631	2.9	20.5
3 22	11 51.64	+ 4 56.2	1.635	2.627	2.5	20.4
4 1	11 43.46	+ 5 53.3	1.654	2.623	6.7	20.7
4 11	11 36.55	+ 6 37.7	1.700	2.619	10.9	20.9
4 21	11 31.60	+ 7 5.8	1.769	2.615	14.5	21.1

143201 2002 XC_{88} 3 18.9 31°.07 1°.5/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.23	− 4 18.5	2.085	2.871	14.0	19.5
2 21	12 14.75	− 4 30.5	2.000	2.875	11.0	19.3
3 2	12 8.22	− 4 30.1	1.937	2.879	7.5	19.1
3 12	12 0.23	− 4 19.1	1.901	2.883	3.7	18.8
3 22	11 51.59	− 4 0.5	1.893	2.887	1.7	18.7
4 1	11 43.22	− 3 38.7	1.914	2.892	5.0	18.9
4 11	11 36.00	− 3 18.3	1.963	2.897	8.7	19.2
4 21	11 30.57	− 3 3.4	2.035	2.902	12.0	19.4

297814 2002 AP_{93} 3 18.9 103°.81 4°.5/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.64	−11 31.4	1.559	2.332	18.5	20.9
2 21	12 17.32	−11 53.6	1.480	2.339	15.1	20.6
3 2	12 10.26	−11 53.1	1.421	2.346	11.2	20.4
3 12	12 1.17	−11 30.0	1.385	2.353	7.0	20.2
3 22	11 51.15	−10 47.4	1.374	2.360	4.5	20.1
4 1	11 41.51	− 9 51.7	1.391	2.367	6.7	20.2
4 11	11 33.49	− 8 51.8	1.432	2.374	10.7	20.4
4 21	11 27.90	− 7 56.0	1.497	2.381	14.6	20.7

115522 2003 UW_{39} 3 18.9 345°.13 2°.7/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.22	+ 4 5.8	1.292	2.136	17.7	19.7
2 21	12 14.40	+ 4 39.7	1.217	2.130	13.6	19.5
3 2	12 8.59	+ 5 27.0	1.162	2.124	8.8	19.2
3 12	12 0.55	+ 6 20.5	1.131	2.119	3.9	18.9
3 22	11 51.44	+ 7 11.1	1.124	2.114	4.0	18.8
4 1	11 42.71	+ 7 49.8	1.141	2.111	9.0	19.1
4 11	11 35.74	+ 8 9.8	1.182	2.108	14.0	19.4
4 21	11 31.41	+ 8 8.5	1.242	2.106	18.3	19.6

102558 1999 UJ_{24} 3 18.9 139°.53 2°.8/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.18	−11 30.9	2.561	3.305	12.8	20.0
2 21	12 13.55	−11 21.2	2.474	3.317	10.4	19.8
3 2	12 7.25	−10 55.6	2.410	3.329	7.5	19.7
3 12	11 59.78	−10 15.6	2.373	3.341	4.6	19.5
3 22	11 51.83	− 9 24.3	2.365	3.352	2.8	19.4
4 1	11 44.13	− 8 26.2	2.386	3.362	4.4	19.5
4 11	11 37.38	− 7 26.8	2.437	3.372	7.2	19.7
4 21	11 32.11	− 6 31.2	2.514	3.381	10.0	19.9

328716 2009 TP_{17} 3 18.9 173°.44 1°.2/17.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.89	+ 0 0.4	2.313	3.113	12.4	21.9
2 21	12 12.76	+ 1 6.4	2.227	3.116	9.4	21.7
3 2	12 6.83	+ 2 24.9	2.166	3.119	6.0	21.5
3 12	11 59.65	+ 3 50.8	2.133	3.121	2.4	21.3
3 22	11 51.89	+ 5 17.5	2.130	3.122	2.2	21.3
4 1	11 44.38	+ 6 38.1	2.158	3.123	5.7	21.5
4 11	11 37.86	+ 7 46.8	2.214	3.123	9.2	21.7
4 21	11 32.90	+ 8 40.0	2.294	3.122	12.2	21.9

135001 2001 HR_{21} 3 18.9 295°.33 1°.5/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.13	+ 1 5.0	1.294	2.128	18.3	20.3
2 21	12 16.10	+ 1 34.2	1.206	2.112	14.2	20.0
3 2	12 9.91	+ 2 21.2	1.137	2.096	9.3	19.7
3 12	12 1.20	+ 3 20.2	1.091	2.079	3.8	19.3
3 22	11 51.12	+ 4 22.6	1.070	2.063	3.0	19.2
4 1	11 41.22	+ 5 18.3	1.074	2.048	8.7	19.5
4 11	11 33.01	+ 5 58.1	1.101	2.032	14.3	19.8
4 21	11 27.59	+ 6 16.8	1.148	2.017	19.1	20.0

33657 1999 JP_{89} 3 18.9 230°.20 3°.4/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.84	+ 7 49.2	2.321	3.138	11.7	19.5
2 21	12 13.60	+ 8 57.4	2.227	3.126	8.9	19.3
3 2	12 7.47	+10 13.0	2.159	3.113	5.9	19.1
3 12	11 59.95	+11 29.8	2.119	3.100	3.6	18.9
3 22	11 51.75	+12 41.1	2.109	3.086	4.4	19.0
4 1	11 43.70	+13 40.5	2.128	3.071	7.4	19.1
4 11	11 36.62	+14 23.5	2.173	3.056	10.6	19.3
4 21	11 31.14	+14 48.0	2.242	3.040	13.4	19.4

470434 2007 VT_{329} 3 18.9 181°.37 1°.1/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.37	− 5 29.5	3.110	3.873	10.3	22.6
2 21	12 12.68	− 5 15.3	3.012	3.874	8.1	22.4
3 2	12 6.58	− 4 50.9	2.939	3.875	5.5	22.2
3 12	11 59.50	− 4 18.1	2.894	3.875	2.7	22.0
3 22	11 51.98	− 3 39.7	2.880	3.874	1.2	21.9
4 1	11 44.61	− 2 59.2	2.897	3.873	3.7	22.1
4 11	11 37.97	− 2 20.4	2.943	3.871	6.5	22.3
4 21	11 32.53	− 1 46.6	3.017	3.868	9.0	22.4

477646 2010 ME_{87} 3 18.9 247°.00 1°.0/20.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.60	− 3 50.9	2.698	3.476	11.4	21.5
2 21	12 12.34	− 3 48.8	2.600	3.472	8.9	21.3
3 2	12 6.48	− 3 36.4	2.527	3.469	6.0	21.1
3 12	11 59.49	− 3 15.8	2.482	3.465	2.9	20.9
3 22	11 51.97	− 2 49.8	2.466	3.461	1.2	20.7
4 1	11 44.61	− 2 22.1	2.480	3.457	4.2	20.9
4 11	11 38.08	− 1 56.4	2.523	3.452	7.3	21.1
4 21	11 32.89	− 1 36.1	2.591	3.448	10.1	21.3

85777 1998 UM_{41} 3 18.9 222°.45 4°.0/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.15	+ 7 58.8	1.801	2.622	14.5	20.2
2 21	12 18.23	+ 8 57.4	1.712	2.612	11.1	19.9
3 2	12 10.77	+10 4.4	1.646	2.601	7.4	19.7
3 12	12 1.40	+11 12.5	1.608	2.590	4.3	19.5
3 22	11 51.09	+12 13.2	1.597	2.577	5.1	19.5
4 1	11 41.01	+12 59.1	1.615	2.564	8.8	19.7
4 11	11 32.30	+13 25.1	1.658	2.550	12.8	19.9
4 21	11 25.78	+13 29.7	1.723	2.535	16.3	20.1

286325 2001 WY_{94} 3 18.9 153°.43 1°.5/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.57	+ 2 32.7	2.149	2.955	13.0	21.8
2 21	12 14.89	+ 3 13.2	2.069	2.962	9.9	21.6
3 2	12 8.25	+ 4 3.4	2.014	2.968	6.3	21.4
3 12	12 0.25	+ 4 58.3	1.987	2.974	2.6	21.1
3 22	11 51.66	+ 5 52.2	1.988	2.979	2.5	21.1
4 1	11 43.38	+ 6 39.3	2.019	2.984	6.1	21.4
4 11	11 36.24	+ 7 14.9	2.078	2.988	9.6	21.6
4 21	11 30.84	+ 7 36.4	2.160	2.992	12.7	21.8

419686 2010 UY_{11} 3 18.9 223°.84 1°.1/17.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.28	+ 1 23.6	2.053	2.855	13.6	22.3
2 21	12 16.49	+ 1 54.9	1.955	2.845	10.5	22.1
3 2	12 9.48	+ 2 37.5	1.882	2.834	6.8	21.8
3 12	12 0.84	+ 3 27.2	1.835	2.822	2.8	21.6
3 22	11 51.37	+ 4 18.2	1.817	2.810	2.2	21.5
4 1	11 42.06	+ 5 4.4	1.829	2.797	6.3	21.7
4 11	11 33.90	+ 5 40.3	1.868	2.784	10.3	21.9
4 21	11 27.61	+ 6 2.5	1.931	2.770	13.8	22.1

165271 2000 SQ_{259} 3 18.9 260°.74 2°.1/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.35	− 7 26.2	1.743	2.529	16.3	20.1
2 21	12 15.57	− 7 11.8	1.636	2.510	13.1	19.8
3 2	12 9.21	− 6 36.8	1.551	2.490	9.2	19.5
3 12	12 0.84	− 5 42.8	1.490	2.470	4.8	19.2
3 22	11 51.34	− 4 34.5	1.456	2.449	2.2	19.0
4 1	11 41.87	− 3 19.2	1.450	2.428	6.1	19.2
4 11	11 33.64	− 2 5.9	1.470	2.407	10.8	19.4
4 21	11 27.57	− 1 2.4	1.513	2.385	15.1	19.6

17437 Stekene 3 18.9 24°.82 2°.1/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.37	−11 26.9	2.244	3.008	13.8	17.8
2 21	12 9.42	−10 32.1	2.152	3.010	11.1	17.6
3 2	12 4.73	− 9 16.1	2.082	3.012	7.8	17.4
3 12	11 58.80	− 7 42.2	2.039	3.014	4.3	17.2
3 22	11 52.32	− 5 56.0	2.024	3.017	2.1	17.1
4 1	11 46.08	− 4 5.1	2.040	3.019	4.6	17.2
4 11	11 40.80	− 2 17.7	2.085	3.022	8.1	17.5
4 21	11 37.05	− 0 40.9	2.155	3.025	11.3	17.7

217916 2001 SD_{271} 3 18.9 190°.72 1°.5/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.68	− 7 47.1	2.258	3.028	13.5	21.5
2 21	12 13.49	− 7 15.5	2.162	3.027	10.7	21.3
3 2	12 7.39	− 6 26.9	2.089	3.025	7.4	21.0
3 12	11 59.92	− 5 24.0	2.043	3.023	3.8	20.8
3 22	11 51.81	− 4 11.3	2.026	3.020	1.6	20.6
4 1	11 43.90	− 2 55.2	2.039	3.017	4.8	20.9
4 11	11 37.00	− 1 42.3	2.081	3.013	8.4	21.1
4 21	11 31.74	− 0 38.3	2.147	3.008	11.7	21.3

211829 2004 EB_{60} 3 18.9 326°.99 4°.7/24.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.88	−16 34.5	1.897	2.648	16.4	19.9
2 21	12 8.82	−16 15.0	1.791	2.632	13.8	19.7
3 2	12 4.64	−15 28.6	1.704	2.615	10.6	19.4
3 12	11 58.87	−14 15.3	1.640	2.600	7.2	19.2
3 22	11 52.27	−12 38.7	1.603	2.585	4.8	19.0
4 1	11 45.79	−10 45.8	1.593	2.570	5.9	19.0
4 11	11 40.42	− 8 47.0	1.610	2.556	9.3	19.2
4 21	11 36.86	− 6 52.5	1.651	2.543	13.0	19.4

68119 2001 AX_5 3 18.9 123°.03 1°.8/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.34	− 7 45.0	1.948	2.721	15.3	20.1
2 21	12 16.39	− 7 19.4	1.874	2.740	12.1	19.9
3 2	12 9.27	− 6 35.5	1.822	2.758	8.3	19.7
3 12	12 0.68	− 5 36.5	1.796	2.775	4.2	19.5
3 22	11 51.50	− 4 27.9	1.798	2.792	1.9	19.3
4 1	11 42.74	− 3 16.5	1.830	2.808	5.2	19.6
4 11	11 35.31	− 2 9.6	1.890	2.823	9.1	19.8
4 21	11 29.82	− 1 12.9	1.975	2.837	12.5	20.1

355753 2008 PB_{18} 3 18.9 184°.69 1°.0/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.41	− 0 31.3	1.835	2.638	15.0	22.4
2 21	12 16.74	+ 0 20.3	1.749	2.639	11.5	22.1
3 2	12 9.70	+ 1 27.3	1.686	2.639	7.4	21.9
3 12	12 0.93	+ 2 44.2	1.650	2.638	3.0	21.6
3 22	11 51.36	+ 4 3.5	1.643	2.636	2.2	21.5
4 1	11 42.08	+ 5 17.1	1.665	2.634	6.7	21.8
4 11	11 34.14	+ 6 17.7	1.713	2.630	10.9	22.1
4 21	11 28.26	+ 7 1.1	1.785	2.626	14.6	22.3

128342 2004 FS_{157} 3 18.9 165°.31 0°.1/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.53	− 3 32.3	2.462	3.243	12.3	20.8
2 21	12 13.89	− 2 43.8	2.374	3.249	9.5	20.7
3 2	12 7.52	− 1 41.8	2.310	3.256	6.2	20.5
3 12	11 59.94	− 0 30.3	2.275	3.261	2.6	20.2
3 22	11 51.84	+ 0 45.4	2.270	3.265	1.1	20.1
4 1	11 43.98	+ 1 59.3	2.297	3.269	4.8	20.4
4 11	11 37.08	+ 3 5.8	2.352	3.272	8.2	20.6
4 21	11 31.70	+ 4 0.7	2.433	3.274	11.2	20.8

501362 2013 YY_{33} 3 18.9 30°.27 7°.4/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.72	+17 24.0	1.853	2.699	13.1	20.6
2 21	12 10.78	+19 19.8	1.803	2.708	10.3	20.4
3 2	12 5.73	+21 14.4	1.777	2.718	8.1	20.3
3 12	11 59.23	+22 57.4	1.777	2.729	7.5	20.3
3 22	11 52.17	+24 19.8	1.805	2.739	8.9	20.4
4 1	11 45.51	+25 15.5	1.857	2.751	11.4	20.5
4 11	11 40.13	+25 42.3	1.932	2.763	13.9	20.7
4 21	11 36.62	+25 41.8	2.026	2.775	16.2	20.9

252942 2002 PZ_{24} 3 18.9 278°.12 4°.0/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.12	−10 31.1	1.666	2.442	17.4	20.6
2 21	12 15.45	−10 47.2	1.569	2.432	14.2	20.3
3 2	12 9.14	−10 42.3	1.493	2.421	10.4	20.1
3 12	12 0.82	−10 16.5	1.439	2.411	6.4	19.8
3 22	11 51.41	− 9 32.6	1.412	2.400	4.0	19.6
4 1	11 42.14	− 8 36.3	1.412	2.390	6.4	19.7
4 11	11 34.23	− 7 36.0	1.437	2.379	10.6	19.9
4 21	11 28.57	− 6 39.9	1.486	2.369	14.7	20.2

60080 1999 TG_{149} 3 18.9 255°.20 0°.1/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.42	− 3 32.0	2.647	3.434	11.3	19.7
2 21	12 10.01	− 2 45.0	2.543	3.422	8.8	19.5
3 2	12 5.03	− 1 44.9	2.463	3.410	5.8	19.3
3 12	11 58.94	− 0 35.0	2.412	3.398	2.5	19.0
3 22	11 52.29	+ 0 39.9	2.390	3.385	1.1	18.9
4 1	11 45.77	+ 1 54.3	2.399	3.373	4.5	19.1
4 11	11 40.02	+ 3 2.6	2.436	3.360	7.8	19.3
4 21	11 35.58	+ 4 0.6	2.499	3.347	10.7	19.5

425134 2009 SC_{238} 3 18.9 146°.75 3°.3/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.74	+ 9 3.1	2.462	3.275	11.3	22.2
2 21	12 14.75	+10 3.0	2.391	3.287	8.6	22.1
3 2	12 8.03	+11 7.3	2.346	3.298	5.7	21.9
3 12	12 0.14	+12 9.9	2.330	3.309	3.5	21.8
3 22	11 51.79	+13 5.4	2.344	3.319	4.2	21.8
4 1	11 43.75	+13 48.6	2.387	3.328	6.8	22.0
4 11	11 36.75	+14 16.7	2.458	3.337	9.6	22.2
4 21	11 31.31	+14 28.5	2.552	3.345	12.1	22.4

374074 2004 RD_{139} 3 18.9 217°.34 4°.1/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.99	−14 57.1	2.080	2.824	15.4	21.2
2 21	12 12.46	−14 44.5	1.982	2.820	12.7	21.0
3 2	12 6.86	−14 9.3	1.905	2.817	9.6	20.8
3 12	11 59.76	−13 12.3	1.852	2.813	6.3	20.6
3 22	11 51.93	−11 56.9	1.827	2.809	4.2	20.4
4 1	11 44.30	−10 29.2	1.830	2.805	5.5	20.5
4 11	11 37.75	− 8 57.4	1.860	2.801	8.7	20.7
4 21	11 32.98	− 7 29.6	1.916	2.796	12.0	20.9

323417 2004 EQ_1 3 18.9 11°.28 0°.3/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.10	− 1 15.6	2.631	3.423	11.2	20.6
2 21	12 11.19	− 1 12.0	2.543	3.426	8.7	20.4
3 2	12 5.74	− 0 59.5	2.481	3.428	5.7	20.2
3 12	11 59.21	− 0 40.8	2.446	3.431	2.5	20.0
3 22	11 52.22	− 0 18.8	2.440	3.435	1.0	19.9
4 1	11 45.42	+ 0 2.9	2.463	3.438	4.3	20.1
4 11	11 39.48	+ 0 20.8	2.515	3.442	7.4	20.3
4 21	11 34.88	+ 0 32.1	2.592	3.447	10.1	20.5

299494 2006 BJ_{212} 3 18.9 71°.69 2°.3/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.65	+ 1 52.4	1.402	2.233	17.3	20.9
2 21	12 15.14	+ 2 52.3	1.335	2.241	13.2	20.6
3 2	12 8.88	+ 4 8.3	1.289	2.248	8.4	20.4
3 12	12 0.64	+ 5 32.3	1.268	2.256	3.6	20.1
3 22	11 51.58	+ 6 54.1	1.273	2.263	3.6	20.1
4 1	11 43.01	+ 8 3.8	1.304	2.271	8.4	20.4
4 11	11 36.14	+ 8 53.8	1.359	2.279	13.0	20.7
4 21	11 31.72	+ 9 20.9	1.435	2.286	17.0	21.0

506743 2006 VJ_{60} 3 18.9 239°.95 6°.4/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.28	+22 34.6	2.731	3.547	10.2	21.7
2 21	12 14.47	+23 39.2	2.652	3.534	8.4	21.5
3 2	12 7.91	+24 39.8	2.599	3.521	6.9	21.4
3 12	12 0.14	+25 30.0	2.574	3.508	6.5	21.4
3 22	11 51.80	+26 4.4	2.577	3.494	7.4	21.4
4 1	11 43.69	+26 19.5	2.606	3.480	9.2	21.5
4 11	11 36.52	+26 14.0	2.661	3.466	11.3	21.6
4 21	11 30.85	+25 48.9	2.736	3.451	13.2	21.7

210388 2007 VK_{130} 3 18.9 138°.79 1°.5/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.88	+ 2 53.3	2.350	3.158	11.9	21.4
2 21	12 12.72	+ 3 30.3	2.269	3.162	9.1	21.2
3 2	12 6.80	+ 4 15.8	2.212	3.166	5.8	21.0
3 12	11 59.67	+ 5 5.4	2.183	3.170	2.4	20.8
3 22	11 52.02	+ 5 53.9	2.184	3.174	2.3	20.8
4 1	11 44.63	+ 6 36.3	2.213	3.178	5.6	21.0
4 11	11 38.24	+ 7 8.6	2.271	3.182	8.9	21.2
4 21	11 33.37	+ 7 28.1	2.352	3.185	11.8	21.4

75135 1999 VT_{77} 3 18.9 254°.19 0°.7/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.14	+ 0 7.3	1.865	2.670	14.7	20.0
2 21	12 16.71	+ 0 31.0	1.762	2.652	11.4	19.8
3 2	12 9.84	+ 1 8.0	1.682	2.634	7.5	19.5
3 12	12 1.09	+ 1 54.4	1.629	2.616	3.1	19.2
3 22	11 51.33	+ 2 44.4	1.603	2.597	1.9	19.0
4 1	11 41.66	+ 3 31.3	1.606	2.578	6.5	19.3
4 11	11 33.20	+ 4 8.9	1.636	2.558	11.0	19.5
4 21	11 26.79	+ 4 32.7	1.688	2.538	14.9	19.7

165908 2001 SH_{334} 3 18.9 134°.65 2°.7/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.88	−11 57.6	3.133	3.862	11.0	20.8
2 21	12 13.03	−11 58.7	3.045	3.878	8.9	20.7
3 2	12 6.80	−11 47.0	2.981	3.892	6.5	20.5
3 12	11 59.62	−11 23.5	2.944	3.907	4.2	20.4
3 22	11 52.05	−10 50.2	2.937	3.921	2.7	20.3
4 1	11 44.69	−10 10.4	2.961	3.934	3.8	20.4
4 11	11 38.11	− 9 28.0	3.015	3.947	6.1	20.6
4 21	11 32.75	− 8 46.9	3.096	3.959	8.4	20.7

103950 2000 DK_{73} 3 18.9 206°.87 0°.6/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.35	− 0 11.2	2.308	3.109	12.4	19.7
2 21	12 12.41	+ 0 24.9	2.218	3.107	9.5	19.5
3 2	12 6.67	+ 1 12.1	2.152	3.104	6.1	19.3
3 12	11 59.64	+ 2 6.7	2.114	3.101	2.5	19.1
3 22	11 52.03	+ 3 3.3	2.105	3.099	1.6	19.0
4 1	11 44.62	+ 3 56.6	2.125	3.095	5.3	19.2
4 11	11 38.19	+ 4 41.3	2.173	3.092	8.8	19.4
4 21	11 33.30	+ 5 14.1	2.245	3.089	11.9	19.6

246651 2008 YS_{22} 3 18.9 309°.79 2°.9/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.12	− 9 12.2	2.069	2.842	14.5	21.0
2 21	12 12.59	− 9 17.9	1.969	2.831	11.8	20.7
3 2	12 6.99	− 9 6.8	1.890	2.821	8.5	20.5
3 12	11 59.85	− 8 39.9	1.837	2.811	5.0	20.3
3 22	11 51.93	− 8 0.0	1.811	2.801	2.9	20.1
4 1	11 44.14	− 7 12.0	1.813	2.791	5.2	20.3
4 11	11 37.40	− 6 22.2	1.842	2.781	8.8	20.4
4 21	11 32.41	− 5 36.6	1.895	2.772	12.3	20.6

268532 2005 YN_{282} 3 18.9 297°.10 0°.5/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.41	− 3 11.3	1.823	2.627	15.0	21.0
2 21	12 13.08	− 2 49.4	1.724	2.612	11.8	20.8
3 2	12 7.45	− 2 11.2	1.648	2.598	7.9	20.5
3 12	12 0.08	− 1 20.2	1.597	2.583	3.5	20.2
3 22	11 51.81	− 0 21.5	1.573	2.569	1.3	20.0
4 1	11 43.68	+ 0 37.6	1.577	2.554	6.0	20.3
4 11	11 36.73	+ 1 30.1	1.608	2.540	10.4	20.5
4 21	11 31.74	+ 2 10.4	1.661	2.526	14.3	20.7

265506 2005 JK_{55} 3 18.9 290°.81 0°.3/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.91	− 4 1.4	1.613	2.423	16.4	20.4
2 21	12 12.97	− 3 22.3	1.519	2.410	12.8	20.2
3 2	12 7.52	− 2 22.6	1.446	2.398	8.6	19.9
3 12	12 0.15	− 1 6.5	1.399	2.385	3.7	19.6
3 22	11 51.79	+ 0 18.9	1.378	2.373	1.5	19.4
4 1	11 43.60	+ 1 44.2	1.384	2.361	6.7	19.7
4 11	11 36.76	+ 2 59.8	1.415	2.349	11.5	19.9
4 21	11 32.08	+ 3 58.9	1.469	2.337	15.7	20.1

366968 2005 WQ_{91} 3 18.9 178°.46 1°.1/20.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.91	− 5 55.4	2.694	3.460	11.7	22.7
2 21	12 14.08	− 5 29.5	2.599	3.462	9.2	22.5
3 2	12 7.62	− 4 50.7	2.527	3.464	6.3	22.3
3 12	12 0.02	− 4 1.6	2.484	3.465	3.0	22.1
3 22	11 51.88	− 3 5.9	2.471	3.465	1.2	21.9
4 1	11 43.94	− 2 8.3	2.489	3.464	4.2	22.2
4 11	11 36.87	− 1 13.8	2.536	3.463	7.4	22.4
4 21	11 31.20	− 0 26.4	2.610	3.461	10.2	22.5

167801 2005 BG_8 3 18.9 83°.90 1°.1/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.11	+ 1 3.3	1.519	2.337	16.8	20.3
2 21	12 17.55	+ 1 27.7	1.452	2.350	12.9	20.1
3 2	12 10.32	+ 2 5.5	1.407	2.362	8.3	19.9
3 12	12 1.21	+ 2 51.2	1.386	2.374	3.3	19.6
3 22	11 51.36	+ 3 37.8	1.393	2.386	2.3	19.6
4 1	11 42.04	+ 4 17.7	1.426	2.398	7.2	19.9
4 11	11 34.40	+ 4 45.2	1.485	2.410	11.7	20.2
4 21	11 29.16	+ 4 57.1	1.565	2.422	15.5	20.4

229162 2004 TU_{65} 3 18.9 192°.07 2°.1/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.96	+ 5 0.9	2.153	2.964	12.8	20.8
2 21	12 15.27	+ 5 34.2	2.068	2.963	9.7	20.6
3 2	12 8.58	+ 6 15.1	2.007	2.962	6.3	20.4
3 12	12 0.45	+ 6 58.7	1.974	2.960	2.9	20.1
3 22	11 51.69	+ 7 39.4	1.970	2.958	3.0	20.1
4 1	11 43.19	+ 8 12.0	1.995	2.956	6.5	20.3
4 11	11 35.82	+ 8 32.4	2.047	2.954	10.0	20.6
4 21	11 30.19	+ 8 38.7	2.123	2.951	13.1	20.7

424711 2008 SX_{108} 3 18.9 294°.01 2°.2/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.15	− 5 7.3	1.827	2.615	15.6	21.4
2 21	12 16.82	− 5 30.1	1.723	2.598	12.5	21.1
3 2	12 9.98	− 5 39.0	1.641	2.581	8.7	20.8
3 12	12 1.18	− 5 35.0	1.584	2.564	4.6	20.5
3 22	11 51.31	− 5 20.6	1.554	2.547	2.3	20.3
4 1	11 41.50	− 5 0.2	1.552	2.530	5.9	20.5
4 11	11 32.91	− 4 39.4	1.577	2.513	10.3	20.7
4 21	11 26.42	− 4 23.3	1.625	2.497	14.2	20.9

233920 2009 SD_{161} 3 18.9 183°.42 0°.9/20.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.06	− 5 38.8	2.540	3.312	12.2	22.0
2 21	12 13.55	− 5 6.9	2.444	3.312	9.5	21.8
3 2	12 7.34	− 4 21.3	2.373	3.312	6.5	21.6
3 12	11 59.92	− 3 24.7	2.329	3.312	3.1	21.3
3 22	11 51.94	− 2 21.5	2.316	3.310	1.2	21.2
4 1	11 44.14	− 1 16.8	2.332	3.308	4.4	21.4
4 11	11 37.27	− 0 16.2	2.378	3.306	7.8	21.6
4 21	11 31.84	+ 0 35.9	2.450	3.302	10.8	21.8

421667 2014 OC_{376} 3 18.9 115°.73 5°.3/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.32	+10 22.0	1.606	2.440	15.3	21.0
2 21	12 16.85	+11 36.9	1.544	2.450	11.7	20.8
3 2	12 9.81	+12 57.5	1.505	2.460	7.9	20.6
3 12	12 1.00	+14 14.3	1.492	2.469	5.4	20.5
3 22	11 51.47	+15 17.8	1.506	2.478	6.5	20.6
4 1	11 42.47	+16 0.8	1.546	2.486	9.9	20.8
4 11	11 35.07	+16 19.6	1.610	2.495	13.5	21.0
4 21	11 29.98	+16 14.6	1.695	2.503	16.7	21.2

456882 2007 VU_{104} 3 18.9 48°.71 3°.9/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.85	+ 7 39.7	1.412	2.249	16.9	20.8
2 21	12 17.55	+ 8 18.4	1.349	2.258	12.8	20.6
3 2	12 10.41	+ 9 4.6	1.308	2.267	8.4	20.3
3 12	12 1.28	+ 9 50.5	1.291	2.276	4.5	20.1
3 22	11 51.36	+10 27.6	1.300	2.285	5.0	20.2
4 1	11 42.03	+10 48.9	1.335	2.295	9.2	20.4
4 11	11 34.51	+10 50.7	1.394	2.305	13.4	20.7
4 21	11 29.54	+10 32.5	1.474	2.315	17.1	21.0

41537 2000 RS_{15} 3 18.9 238°.10 3°.9/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.86	−11 48.6	1.791	2.554	16.8	19.6
2 21	12 15.88	−11 50.0	1.689	2.543	13.8	19.4
3 2	12 9.38	−11 29.2	1.607	2.531	10.2	19.1
3 12	12 0.94	−10 46.5	1.550	2.519	6.3	18.8
3 22	11 51.46	− 9 45.0	1.519	2.507	3.9	18.7
4 1	11 42.09	− 8 31.1	1.516	2.494	6.1	18.8
4 11	11 33.99	− 7 13.5	1.540	2.480	10.2	19.0
4 21	11 28.03	− 6 0.8	1.588	2.466	14.2	19.2

134338 5080 T-3 3 18.9 184°.74 2°.1/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 20.91	+ 2 22.8	1.878	2.689	14.4	21.3
2 21	12 16.32	+ 3 23.1	1.794	2.689	11.0	21.1
3 2	12 9.42	+ 4 36.3	1.734	2.689	7.0	20.9
3 12	12 0.86	+ 5 56.0	1.701	2.688	3.1	20.6
3 22	11 51.53	+ 7 14.3	1.697	2.687	3.2	20.6
4 1	11 42.50	+ 8 23.4	1.722	2.684	7.2	20.9
4 11	11 34.76	+ 9 16.8	1.774	2.681	11.2	21.1
4 21	11 29.03	+ 9 51.5	1.848	2.677	14.7	21.3

168958 2001 AC_{52} 3 18.9 46°.36 6°.2/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.18	+11 58.0	1.236	2.084	18.1	19.7
2 21	12 18.71	+12 51.3	1.191	2.103	13.8	19.5
3 2	12 11.14	+13 47.1	1.167	2.124	9.4	19.3
3 12	12 1.54	+14 34.7	1.166	2.144	6.3	19.2
3 22	11 51.30	+15 5.0	1.190	2.165	7.3	19.3
4 1	11 41.96	+15 11.9	1.239	2.187	11.0	19.6
4 11	11 34.74	+14 54.0	1.310	2.209	15.0	19.8
4 21	11 30.33	+14 13.5	1.400	2.232	18.4	20.1

201399 2002 VT_{72} 3 18.9 111°.05 2°.6/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.03	+ 6 31.6	2.348	3.165	11.7	20.9
2 21	12 12.79	+ 7 23.2	2.278	3.176	8.8	20.7
3 2	12 6.82	+ 8 20.9	2.232	3.187	5.7	20.5
3 12	11 59.68	+ 9 19.2	2.214	3.198	3.0	20.4
3 22	11 52.09	+10 12.5	2.226	3.209	3.5	20.4
4 1	11 44.80	+10 55.8	2.267	3.220	6.4	20.6
4 11	11 38.54	+11 25.4	2.335	3.230	9.4	20.8
4 21	11 33.82	+11 39.9	2.426	3.240	12.1	21.0

415919 2001 UE_{155} 3 18.9 74°.06 2°.5/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.97	−10 14.5	1.850	2.616	16.2	21.7
2 21	12 16.05	− 9 48.0	1.793	2.652	12.9	21.5
3 2	12 8.99	− 9 1.0	1.758	2.689	9.0	21.4
3 12	12 0.57	− 7 57.1	1.749	2.724	5.0	21.2
3 22	11 51.72	− 6 42.1	1.767	2.759	2.5	21.1
4 1	11 43.46	− 5 23.6	1.815	2.793	5.2	21.4
4 11	11 36.65	− 4 9.3	1.891	2.827	8.8	21.6
4 21	11 31.82	− 3 5.2	1.991	2.860	12.1	21.9

284406 2006 UU_{153} 3 18.9 343°.67 2°.1/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.22	− 8 57.0	2.191	2.964	13.8	20.9
2 21	12 10.93	− 8 34.9	2.098	2.963	11.0	20.7
3 2	12 5.78	− 7 55.2	2.028	2.962	7.8	20.4
3 12	11 59.32	− 7 0.3	1.983	2.960	4.3	20.2
3 22	11 52.23	− 5 54.3	1.967	2.959	2.1	20.1
4 1	11 45.35	− 4 43.2	1.979	2.958	4.7	20.2
4 11	11 39.47	− 3 33.8	2.020	2.958	8.3	20.5
4 21	11 35.18	− 2 31.8	2.085	2.957	11.5	20.7

517230 2014 BX_{58} 3 18.9 78°.27 3°.3/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.33	−11 26.0	2.350	3.097	13.7	21.5
2 21	12 14.53	−11 37.1	2.277	3.121	11.1	21.3
3 2	12 7.94	−11 32.1	2.227	3.145	8.1	21.2
3 12	12 0.15	−11 12.3	2.203	3.168	5.1	21.0
3 22	11 51.89	−10 40.2	2.207	3.192	3.3	21.0
4 1	11 43.98	−10 0.2	2.240	3.215	4.7	21.1
4 11	11 37.17	− 9 17.4	2.302	3.238	7.5	21.3
4 21	11 31.97	− 8 36.8	2.390	3.260	10.3	21.5

221388 2005 YB_{34} 3 18.9 156°.58 0°.1/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.77	− 2 19.8	2.340	3.128	12.6	21.7
2 21	12 14.18	− 1 50.3	2.255	3.134	9.7	21.5
3 2	12 7.77	− 1 8.8	2.194	3.141	6.4	21.3
3 12	12 0.11	− 0 18.7	2.161	3.147	2.7	21.0
3 22	11 51.89	+ 0 35.1	2.157	3.152	1.2	20.9
4 1	11 43.94	+ 1 27.5	2.183	3.157	4.9	21.2
4 11	11 37.01	+ 2 13.3	2.238	3.161	8.4	21.4
4 21	11 31.67	+ 2 48.8	2.317	3.165	11.5	21.6

496071 2009 RD_{30} 3 18.9 206°.72 0°.8/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.13	− 3 59.9	2.456	3.232	12.4	23.7
2 21	12 15.25	− 3 42.2	2.354	3.226	9.7	23.5
3 2	12 8.53	− 3 12.2	2.277	3.218	6.5	23.3
3 12	12 0.46	− 2 32.2	2.227	3.210	3.0	23.1
3 22	11 51.72	− 1 46.2	2.207	3.202	1.1	22.9
4 1	11 43.14	− 0 58.8	2.217	3.193	4.7	23.2
4 11	11 35.49	− 0 15.3	2.257	3.182	8.2	23.4
4 21	11 29.39	+ 0 20.5	2.321	3.172	11.3	23.5

371170 2005 YE_{40} 3 18.9 116°.83 5°.1/24.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.65	−16 44.9	2.249	2.968	15.0	22.1
2 21	12 15.77	−17 5.7	2.167	2.984	12.6	21.9
3 2	12 8.88	−17 6.8	2.105	2.999	9.8	21.7
3 12	12 0.58	−16 47.7	2.068	3.014	7.0	21.6
3 22	11 51.68	−16 10.5	2.058	3.029	5.2	21.5
4 1	11 43.09	−15 19.4	2.077	3.043	5.9	21.6
4 11	11 35.64	−14 20.5	2.124	3.057	8.2	21.7
4 21	11 29.96	−13 20.6	2.197	3.070	11.0	21.9

254367 2004 TO_{100} 3 18.9 184°.60 6°.6/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.19	−28 6.8	3.271	3.890	12.4	21.3
2 21	12 12.00	−28 37.1	3.166	3.890	11.0	21.1
3 2	12 6.29	−28 49.5	3.080	3.889	9.5	21.0
3 12	11 59.50	−28 42.4	3.016	3.889	8.0	20.9
3 22	11 52.16	−28 15.8	2.979	3.888	6.9	20.8
4 1	11 44.94	−27 31.6	2.968	3.886	6.6	20.8
4 11	11 38.46	−26 33.6	2.984	3.885	7.4	20.9
4 21	11 33.23	−25 27.0	3.027	3.883	8.8	20.9

413176 2002 QY_{103} 3 18.9 169°.64 2°.4/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.88	− 9 58.4	2.088	2.851	14.7	22.4
2 21	12 14.57	− 9 36.0	1.997	2.854	11.8	22.2
3 2	12 8.20	− 8 54.3	1.928	2.858	8.4	22.0
3 12	12 0.34	− 7 55.5	1.885	2.860	4.7	21.8
3 22	11 51.80	− 6 44.1	1.871	2.863	2.4	21.6
4 1	11 43.51	− 5 26.6	1.886	2.864	5.1	21.8
4 11	11 36.36	− 4 10.5	1.929	2.865	8.7	22.0
4 21	11 31.01	− 3 2.3	1.997	2.865	12.2	22.2

399714 2004 VK_{27} 3 18.9 268°.92 3°.2/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.98	− 9 43.9	1.753	2.525	16.8	21.2
2 21	12 17.02	− 9 43.9	1.635	2.498	13.7	20.9
3 2	12 10.34	− 9 22.5	1.538	2.469	10.0	20.6
3 12	12 1.45	− 8 39.9	1.465	2.440	5.8	20.3
3 22	11 51.22	− 7 38.8	1.419	2.410	3.3	20.1
4 1	11 40.85	− 6 25.7	1.401	2.380	6.4	20.2
4 11	11 31.65	− 5 9.4	1.410	2.348	11.1	20.4
4 21	11 24.65	− 3 59.0	1.441	2.316	15.6	20.6

22305 1990 SD_2 3 18.9 203°.71 2°.0/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.11	+ 1 50.7	1.930	2.740	14.1	19.0
2 21	12 15.71	+ 2 53.5	1.841	2.735	10.8	18.8
3 2	12 9.05	+ 4 10.0	1.775	2.730	6.9	18.5
3 12	12 0.73	+ 5 33.9	1.736	2.723	3.0	18.3
3 22	11 51.62	+ 6 57.6	1.727	2.716	3.1	18.3
4 1	11 42.73	+ 8 12.9	1.746	2.709	7.1	18.5
4 11	11 35.06	+ 9 13.1	1.793	2.700	11.1	18.7
4 21	11 29.33	+ 9 54.5	1.862	2.691	14.6	18.9

374134 2004 TA_{125} 3 18.9 189°.56 1°.5/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.12	− 7 0.5	2.159	2.937	13.9	21.3
2 21	12 13.17	− 6 36.2	2.067	2.936	11.0	21.1
3 2	12 7.26	− 5 55.5	1.997	2.935	7.5	20.9
3 12	11 59.95	− 5 0.8	1.953	2.934	3.8	20.6
3 22	11 51.98	− 3 56.8	1.938	2.933	1.6	20.5
4 1	11 44.23	− 2 49.5	1.953	2.931	4.9	20.7
4 11	11 37.53	− 1 45.5	1.995	2.929	8.6	20.9
4 21	11 32.51	− 0 50.3	2.062	2.926	12.0	21.1

219391 2000 SV_{143} 3 18.9 59°.74 2°.1/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.23	+ 5 29.9	1.736	2.555	15.0	19.6
2 21	12 18.11	+ 5 40.6	1.666	2.564	11.5	19.4
3 2	12 10.56	+ 5 58.2	1.618	2.573	7.4	19.1
3 12	12 1.32	+ 6 17.7	1.596	2.583	3.3	18.9
3 22	11 51.40	+ 6 33.7	1.602	2.592	3.1	18.9
4 1	11 41.96	+ 6 41.3	1.636	2.602	7.1	19.2
4 11	11 34.03	+ 6 37.1	1.696	2.612	11.1	19.4
4 21	11 28.30	+ 6 19.8	1.779	2.622	14.5	19.7

497400 2005 VH_{130} 3 18.9 225°.93 0°.6/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.17	− 1 6.2	2.239	3.034	12.9	23.3
2 21	12 13.97	− 0 21.1	2.138	3.023	9.9	23.1
3 2	12 7.81	+ 0 37.5	2.061	3.012	6.5	22.9
3 12	12 0.20	+ 1 45.4	2.012	3.000	2.6	22.6
3 22	11 51.88	+ 2 56.9	1.993	2.987	1.7	22.5
4 1	11 43.69	+ 4 5.4	2.003	2.973	5.6	22.7
4 11	11 36.49	+ 5 4.9	2.041	2.959	9.4	22.9
4 21	11 30.93	+ 5 51.1	2.104	2.945	12.7	23.1

522694 2016 KZ_5 3 18.9 191°.17 6°.2/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.91	+23 43.9	3.017	3.831	9.4	22.4
2 21	12 13.26	+25 1.1	2.951	3.829	7.8	22.3
3 2	12 7.06	+26 13.7	2.912	3.827	6.5	22.2
3 12	11 59.80	+27 15.7	2.901	3.824	6.3	22.2
3 22	11 52.09	+28 2.3	2.918	3.821	7.2	22.3
4 1	11 44.59	+28 30.1	2.962	3.817	8.8	22.4
4 11	11 37.96	+28 38.0	3.030	3.813	10.6	22.5
4 21	11 32.68	+28 27.0	3.119	3.808	12.2	22.6

415329 2013 HW_{42} 3 18.9 250°.64 0°.2/19.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.35	− 1 14.4	1.699	2.502	16.0	22.3
2 21	12 17.84	− 1 8.6	1.604	2.492	12.5	22.1
3 2	12 10.68	− 0 48.8	1.531	2.482	8.3	21.8
3 12	12 1.50	− 0 18.5	1.484	2.471	3.6	21.5
3 22	11 51.29	+ 0 17.5	1.464	2.460	1.5	21.3
4 1	11 41.25	+ 0 52.7	1.472	2.448	6.5	21.6
4 11	11 32.61	+ 1 20.9	1.507	2.436	11.2	21.8
4 21	11 26.22	+ 1 37.6	1.563	2.424	15.3	22.0

39720 1996 VG_4 3 18.9 125°.55 1°.8/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 21.89	+ 2 29.7	1.832	2.642	14.7	19.5
2 21	12 16.96	+ 3 13.9	1.762	2.656	11.2	19.3
3 2	12 9.75	+ 4 9.1	1.715	2.670	7.1	19.1
3 12	12 0.98	+ 5 9.5	1.696	2.683	3.0	18.9
3 22	11 51.58	+ 6 8.0	1.704	2.695	2.8	18.9
4 1	11 42.63	+ 6 57.8	1.742	2.707	6.8	19.2
4 11	11 35.09	+ 7 33.9	1.806	2.718	10.7	19.4
4 21	11 29.60	+ 7 53.6	1.893	2.729	14.1	19.7

313600 2003 OV_{28} 3 18.9 198°.38 1°.7/20.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.14	− 5 49.4	1.954	2.733	15.1	21.7
2 21	12 17.28	− 5 44.0	1.860	2.730	11.9	21.5
3 2	12 10.10	− 5 22.6	1.788	2.727	8.2	21.2
3 12	12 1.20	− 4 47.4	1.742	2.723	4.1	21.0
3 22	11 51.46	− 4 2.5	1.724	2.718	1.8	20.8
4 1	11 41.93	− 3 13.5	1.736	2.713	5.5	21.0
4 11	11 33.63	− 2 27.1	1.775	2.707	9.6	21.2
4 21	11 27.32	− 1 48.6	1.838	2.701	13.3	21.5

253328 2003 EP_{43} 3 18.9 33°.47 2°.1/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.16	−18 1.2	0.970	1.774	25.2	19.3
2 21	12 8.90	−15 35.6	0.901	1.782	20.4	19.0
3 2	12 5.33	−12 6.9	0.849	1.791	14.3	18.7
3 12	11 59.34	− 7 43.5	0.819	1.801	7.3	18.4
3 22	11 52.31	− 2 49.2	0.816	1.811	2.2	18.1
4 1	11 45.90	+ 2 2.0	0.840	1.823	8.4	18.5
4 11	11 41.56	+ 6 18.0	0.890	1.835	15.0	18.9
4 21	11 40.12	+ 9 40.4	0.961	1.847	20.5	19.3

100669 1997 WK_{50} 3 18.9 148°.71 1°.0/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.67	− 5 42.7	2.493	3.262	12.4	21.2
2 21	12 14.74	− 5 15.3	2.409	3.275	9.7	21.0
3 2	12 8.09	− 4 34.6	2.348	3.286	6.6	20.8
3 12	12 0.25	− 3 43.2	2.315	3.297	3.1	20.6
3 22	11 51.92	− 2 45.6	2.312	3.307	1.2	20.5
4 1	11 43.85	− 1 46.6	2.340	3.316	4.4	20.7
4 11	11 36.78	− 0 51.8	2.397	3.325	7.7	21.0
4 21	11 31.23	− 0 5.2	2.480	3.332	10.6	21.2

61118 2000 LV_{35} 3 18.9 201°.06 2°.2/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.49	+ 2 39.5	1.860	2.672	14.4	19.2
2 21	12 16.08	+ 3 36.5	1.773	2.669	11.0	19.0
3 2	12 9.33	+ 4 46.3	1.710	2.665	7.1	18.7
3 12	12 0.88	+ 6 2.6	1.673	2.660	3.1	18.5
3 22	11 51.62	+ 7 17.6	1.666	2.655	3.2	18.4
4 1	11 42.61	+ 8 23.6	1.687	2.649	7.3	18.7
4 11	11 34.89	+ 9 14.1	1.734	2.642	11.3	18.9
4 21	11 29.18	+ 9 45.8	1.804	2.635	14.9	19.1

115215 2003 SX_{128} 3 18.9 228°.33 0°.1/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.49	− 1 36.2	2.046	2.838	14.0	20.8
2 21	12 16.75	− 1 10.0	1.943	2.826	10.9	20.6
3 2	12 9.76	− 0 30.0	1.864	2.812	7.2	20.3
3 12	12 1.08	+ 0 20.1	1.812	2.798	3.0	20.0
3 22	11 51.51	+ 1 15.2	1.789	2.783	1.4	19.9
4 1	11 42.07	+ 2 9.0	1.795	2.768	5.9	20.1
4 11	11 33.75	+ 2 55.3	1.829	2.751	10.0	20.4
4 21	11 27.30	+ 3 29.5	1.887	2.734	13.7	20.5

145654 4728 P–L 3 18.9 164°.39 0°.3/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.05	− 3 20.4	3.047	3.825	10.2	21.5
2 21	12 10.97	− 2 47.4	2.956	3.830	7.9	21.3
3 2	12 5.53	− 2 4.3	2.890	3.834	5.2	21.2
3 12	11 59.17	− 1 14.0	2.853	3.838	2.3	21.0
3 22	11 52.40	− 0 20.0	2.847	3.842	0.9	20.8
4 1	11 45.81	+ 0 33.6	2.871	3.845	3.8	21.1
4 11	11 39.95	+ 1 22.7	2.925	3.848	6.7	21.3
4 21	11 35.25	+ 2 4.0	3.005	3.850	9.2	21.4

138146 2000 EW_{60} 3 18.9 7°.48 0°.9/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.59	− 1 8.2	1.256	2.086	19.0	19.7
2 21	12 16.29	− 1 29.2	1.185	2.086	14.9	19.4
3 2	12 9.90	− 1 35.0	1.134	2.088	9.9	19.1
3 12	12 1.21	− 1 28.6	1.104	2.091	4.4	18.8
3 22	11 51.47	− 1 14.8	1.100	2.095	1.7	18.6
4 1	11 42.20	− 1 0.1	1.120	2.100	7.2	19.0
4 11	11 34.80	− 0 51.1	1.164	2.107	12.4	19.3
4 21	11 30.15	− 0 52.4	1.228	2.114	16.9	19.6

374508 2005 YD_{201} 3 18.9 91°.89 1°.2/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.37	− 5 13.6	1.981	2.767	14.6	21.6
2 21	12 14.88	− 4 55.5	1.909	2.785	11.4	21.4
3 2	12 8.33	− 4 22.1	1.860	2.802	7.7	21.2
3 12	12 0.38	− 3 36.6	1.837	2.820	3.7	21.0
3 22	11 51.88	− 2 43.9	1.842	2.837	1.4	20.9
4 1	11 43.78	− 1 50.2	1.876	2.854	5.1	21.2
4 11	11 36.93	− 1 1.5	1.938	2.870	8.9	21.4
4 21	11 31.93	− 0 22.3	2.024	2.887	12.2	21.7

192242 2008 DF_{85} 3 18.9 201°.24 1°.1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 19.81	+ 1 7.4	1.903	2.712	14.3	21.1
2 21	12 15.48	+ 1 39.5	1.817	2.710	11.0	20.8
3 2	12 8.90	+ 2 23.6	1.754	2.708	7.1	20.6
3 12	12 0.70	+ 3 15.0	1.717	2.705	2.9	20.3
3 22	11 51.73	+ 4 7.6	1.709	2.702	2.2	20.3
4 1	11 43.04	+ 4 54.8	1.730	2.699	6.4	20.5
4 11	11 35.60	+ 5 31.1	1.777	2.696	10.4	20.8
4 21	11 30.10	+ 5 53.0	1.847	2.693	14.0	21.0

124834 2001 TH 3 18.9 110°.40 12°.4/ 6.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.09	+33 11.7	1.788	2.591	15.3	19.5
2 21	12 23.45	+35 13.8	1.767	2.617	13.5	19.4
3 2	12 13.97	+36 57.1	1.769	2.642	12.5	19.4
3 12	12 2.69	+38 10.4	1.795	2.666	12.6	19.4
3 22	11 50.94	+38 46.7	1.845	2.689	13.6	19.6
4 1	11 40.12	+38 44.7	1.917	2.711	15.3	19.7
4 11	11 31.35	+38 8.0	2.007	2.733	17.0	19.9
4 21	11 25.28	+37 3.2	2.114	2.753	18.5	20.1

89674 2001 YP_{37} 3 18.9 225°.58 0°.9/19.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.16	− 4 43.7	2.283	3.062	13.1	20.5
2 21	12 14.72	− 4 23.3	2.179	3.052	10.3	20.3
3 2	12 8.31	− 3 48.8	2.099	3.040	7.0	20.0
3 12	12 0.44	− 3 2.7	2.045	3.028	3.3	19.8
3 22	11 51.84	− 2 9.2	2.021	3.016	1.3	19.6
4 1	11 43.36	− 1 13.6	2.027	3.003	5.0	19.8
4 11	11 35.86	− 0 21.9	2.061	2.989	8.7	20.0
4 21	11 29.99	+ 0 21.3	2.120	2.975	12.1	20.2

488594 2002 QY_{89} 3 18.9 184°.30 0°.8/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.31	− 4 12.0	1.778	2.567	15.9	22.8
2 21	12 18.36	− 3 49.2	1.690	2.568	12.5	22.5
3 2	12 10.89	− 3 9.3	1.623	2.568	8.4	22.3
3 12	12 1.56	− 2 15.6	1.583	2.567	3.8	22.0
3 22	11 51.35	− 1 13.8	1.571	2.566	1.4	21.8
4 1	11 41.42	− 0 11.4	1.587	2.563	6.1	22.1
4 11	11 32.90	+ 0 44.3	1.631	2.560	10.5	22.4
4 21	11 26.56	+ 1 27.6	1.698	2.556	14.4	22.6

426477 2013 RH_5 3 18.9 126°.10 0°.4/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.69	− 2 52.2	2.016	2.811	14.1	22.2
2 21	12 14.43	− 2 29.2	1.935	2.818	11.0	22.0
3 2	12 8.11	− 1 52.4	1.876	2.824	7.2	21.8
3 12	12 0.34	− 1 5.3	1.844	2.830	3.1	21.5
3 22	11 51.93	− 0 13.1	1.841	2.836	1.2	21.4
4 1	11 43.83	+ 0 38.2	1.866	2.842	5.4	21.7
4 11	11 36.91	+ 1 22.7	1.919	2.848	9.2	21.9
4 21	11 31.80	+ 1 56.3	1.996	2.853	12.6	22.1

365136 2009 DX_{44} 3 18.9 13°.52 2°.5/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.60	+ 1 59.4	1.120	1.972	19.3	20.2
2 21	12 12.65	+ 2 47.7	1.059	1.975	14.7	19.9
3 2	12 7.59	+ 3 54.2	1.017	1.980	9.4	19.6
3 12	12 0.26	+ 5 10.1	0.997	1.986	4.0	19.3
3 22	11 51.97	+ 6 24.1	1.001	1.992	3.9	19.4
4 1	11 44.23	+ 7 24.9	1.028	2.000	9.2	19.7
4 11	11 38.42	+ 8 4.0	1.078	2.010	14.4	20.0
4 21	11 35.36	+ 8 18.4	1.146	2.020	18.8	20.3

165865 2001 SK_{88} 3 18.9 67°.91 0°.6/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.12	− 2 37.9	2.134	2.934	13.3	19.9
2 21	12 11.44	− 1 25.3	2.072	2.959	10.1	19.7
3 2	12 5.99	+ 0 1.5	2.033	2.985	6.5	19.5
3 12	11 59.39	+ 1 36.4	2.023	3.010	2.6	19.3
3 22	11 52.38	+ 3 12.3	2.042	3.036	1.7	19.3
4 1	11 45.76	+ 4 41.9	2.091	3.061	5.4	19.6
4 11	11 40.24	+ 5 58.8	2.168	3.086	8.9	19.8
4 21	11 36.31	+ 6 59.4	2.269	3.111	11.8	20.1

192032 2005 YF_{247} 3 18.9 172°.33 3°.3/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.53	+ 7 38.8	2.126	2.947	12.6	20.5
2 21	12 14.23	+ 8 34.5	2.048	2.948	9.6	20.3
3 2	12 7.94	+ 9 36.7	1.995	2.950	6.3	20.1
3 12	12 0.26	+10 39.2	1.969	2.951	3.6	20.0
3 22	11 51.98	+11 35.3	1.972	2.952	4.2	20.0
4 1	11 43.98	+12 19.4	2.003	2.952	7.3	20.2
4 11	11 37.12	+12 47.3	2.061	2.953	10.6	20.4
4 21	11 31.99	+12 57.6	2.141	2.953	13.5	20.6

522681 2016 HM_{25} 3 18.9 250°.53 2°.7/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.24	+ 5 54.5	2.223	3.038	12.3	22.4
2 21	12 14.07	+ 6 45.2	2.125	3.023	9.4	22.2
3 2	12 7.92	+ 7 44.3	2.052	3.007	6.1	21.9
3 12	12 0.30	+ 8 46.3	2.006	2.990	3.1	21.7
3 22	11 51.94	+ 9 45.0	1.989	2.974	3.6	21.7
4 1	11 43.70	+10 34.3	2.002	2.956	6.9	21.9
4 11	11 36.47	+11 9.4	2.041	2.939	10.4	22.1
4 21	11 30.90	+11 27.8	2.103	2.921	13.5	22.2

341710 2007 VM_{183} 3 18.9 76°.51 3°.6/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 18.00	−12 56.8	2.285	3.028	14.2	21.1
2 21	12 13.62	−13 1.5	2.211	3.050	11.5	21.0
3 2	12 7.43	−12 48.5	2.158	3.072	8.5	20.8
3 12	12 0.01	−12 18.9	2.131	3.094	5.5	20.6
3 22	11 52.11	−11 35.6	2.133	3.115	3.7	20.6
4 1	11 44.54	−10 43.5	2.163	3.137	4.9	20.7
4 11	11 38.06	− 9 48.4	2.221	3.158	7.7	20.9
4 21	11 33.22	− 8 55.8	2.304	3.179	10.5	21.1

464133 2014 WY_{498} 3 18.9 129°.91 4°.5/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.13	+11 51.7	2.135	2.955	12.6	21.5
2 21	12 16.84	+12 50.5	2.072	2.969	9.6	21.4
3 2	12 9.53	+13 51.6	2.033	2.984	6.6	21.2
3 12	12 0.88	+14 48.1	2.023	2.997	4.6	21.1
3 22	11 51.73	+15 33.7	2.041	3.010	5.4	21.2
4 1	11 43.01	+16 3.3	2.088	3.022	8.1	21.4
4 11	11 35.55	+16 14.7	2.161	3.034	11.0	21.6
4 21	11 29.93	+16 7.8	2.257	3.045	13.6	21.8

91140 1998 LW_{1} 3 18.9 226°.34 4°.9/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.35	+11 55.4	2.033	2.862	12.7	19.5
2 21	12 14.24	+13 1.8	1.956	2.859	9.8	19.3
3 2	12 8.02	+14 11.9	1.904	2.855	6.8	19.1
3 12	12 0.32	+15 18.4	1.878	2.852	4.9	19.0
3 22	11 51.95	+16 13.9	1.881	2.848	5.9	19.0
4 1	11 43.87	+16 52.5	1.911	2.844	8.8	19.2
4 11	11 36.98	+17 10.8	1.966	2.840	11.9	19.4
4 21	11 31.91	+17 8.3	2.043	2.836	14.7	19.5

81847 2000 KO_{58} 3 18.9 104°.80 0°.3/19.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.17	− 5 54.5	1.823	2.617	15.4	18.9
2 21	12 12.69	− 4 48.3	1.745	2.628	12.0	18.7
3 2	12 7.06	− 3 21.5	1.691	2.638	7.9	18.5
3 12	11 59.92	− 1 39.7	1.662	2.648	3.4	18.3
3 22	11 52.15	+ 0 9.1	1.662	2.658	1.3	18.1
4 1	11 44.73	+ 1 55.2	1.692	2.667	5.8	18.4
4 11	11 38.58	+ 3 29.8	1.748	2.677	10.0	18.7
4 21	11 34.32	+ 4 46.9	1.829	2.686	13.6	18.9

64503 2001 VJ_{70} 3 18.9 111°.19 5°.5/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.16	−14 20.8	1.883	2.628	16.7	19.3
2 21	12 16.69	−15 0.2	1.794	2.630	14.0	19.1
3 2	12 9.82	−15 19.8	1.725	2.632	10.7	18.9
3 12	12 1.14	−15 18.1	1.679	2.634	7.5	18.7
3 22	11 51.58	−14 56.5	1.660	2.636	5.5	18.6
4 1	11 42.24	−14 18.9	1.669	2.638	6.6	18.6
4 11	11 34.20	−13 32.0	1.703	2.640	9.6	18.8
4 21	11 28.24	−12 43.2	1.762	2.642	12.9	19.0

331923 2004 RD_{240} 3 18.9 177°.22 0°.5/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.17	− 3 33.8	2.158	2.948	13.5	21.4
2 21	12 13.96	− 3 8.1	2.070	2.949	10.5	21.2
3 2	12 7.79	− 2 28.5	2.004	2.950	7.0	21.0
3 12	12 0.23	− 1 38.3	1.965	2.950	3.1	20.7
3 22	11 52.02	− 0 42.4	1.955	2.951	1.2	20.6
4 1	11 44.04	+ 0 13.4	1.975	2.950	5.1	20.9
4 11	11 37.15	+ 1 3.3	2.022	2.950	8.9	21.1
4 21	11 31.94	+ 1 43.0	2.093	2.949	12.2	21.3

389896 2012 TW_{17} 3 18.9 103°.23 3°.3/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.58	−11 34.7	2.630	3.364	12.7	21.7
2 21	12 16.12	−11 56.8	2.550	3.384	10.3	21.5
3 2	12 8.96	−12 4.9	2.493	3.405	7.6	21.4
3 12	12 0.65	−11 59.4	2.463	3.425	4.9	21.2
3 22	11 51.86	−11 42.2	2.462	3.444	3.3	21.2
4 1	11 43.35	−11 16.5	2.492	3.463	4.6	21.3
4 11	11 35.84	−10 46.6	2.551	3.482	7.1	21.5
4 21	11 29.85	−10 16.9	2.636	3.500	9.7	21.7

422313 2014 SF_{177} 3 18.9 127°.08 2°.0/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.93	+ 5 18.8	1.827	2.634	14.8	21.2
2 21	12 20.87	+ 5 29.1	1.753	2.645	11.4	21.0
3 2	12 12.35	+ 5 46.1	1.703	2.656	7.3	20.8
3 12	12 2.12	+ 6 5.0	1.679	2.666	3.2	20.6
3 22	11 51.22	+ 6 20.7	1.685	2.676	2.9	20.6
4 1	11 40.80	+ 6 28.4	1.720	2.685	6.9	20.8
4 11	11 31.90	+ 6 24.9	1.781	2.694	10.9	21.1
4 21	11 25.24	+ 6 8.9	1.866	2.702	14.3	21.3

245929 2006 RV_{21} 3 18.9 221°.33 5°.7/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.44	−22 51.3	3.133	3.791	12.2	21.5
2 21	12 13.81	−23 17.5	3.016	3.780	10.7	21.4
3 2	12 7.56	−23 26.9	2.919	3.768	8.8	21.2
3 12	12 0.13	−23 18.4	2.847	3.756	7.1	21.1
3 22	11 52.06	−22 52.0	2.803	3.743	5.8	21.0
4 1	11 44.04	−22 9.9	2.787	3.729	5.9	20.9
4 11	11 36.74	−21 16.1	2.799	3.715	7.2	21.0
4 21	11 30.71	−20 15.7	2.838	3.701	9.1	21.1

301328 2009 BG_{176} 3 18.9 24°.12 1°.3/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.90	− 4 54.3	2.098	2.886	13.9	20.8
2 21	12 13.04	− 4 50.0	2.013	2.889	10.9	20.6
3 2	12 7.21	− 4 31.8	1.950	2.892	7.4	20.4
3 12	11 59.99	− 4 2.2	1.913	2.896	3.6	20.2
3 22	11 52.14	− 3 24.9	1.904	2.899	1.5	20.0
4 1	11 44.55	− 2 45.1	1.924	2.903	4.9	20.3
4 11	11 38.04	− 2 8.2	1.971	2.907	8.6	20.5
4 21	11 33.24	− 1 38.6	2.043	2.911	11.9	20.7

447702 2007 DX_{88} 3 18.9 55°.51 0°.2/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.56	− 0 23.7	1.191	2.019	19.9	21.4
2 21	12 19.35	− 0 19.7	1.130	2.031	15.4	21.2
3 2	12 11.86	+ 0 1.1	1.088	2.044	10.1	20.9
3 12	12 2.04	+ 0 33.7	1.069	2.057	4.2	20.6
3 22	11 51.27	+ 1 10.8	1.075	2.071	1.9	20.5
4 1	11 41.20	+ 1 44.0	1.107	2.084	7.8	20.9
4 11	11 33.24	+ 2 6.1	1.161	2.098	13.1	21.2
4 21	11 28.24	+ 2 13.0	1.236	2.112	17.5	21.5

213791 2003 FP_{31} 3 18.9 313°.95 0°.0/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.17	− 2 24.6	2.268	3.066	12.6	20.9
2 21	12 10.86	− 1 49.4	2.175	3.061	9.8	20.7
3 2	12 5.76	− 1 1.1	2.106	3.056	6.4	20.4
3 12	11 59.39	− 0 3.3	2.064	3.051	2.7	20.2
3 22	11 52.42	+ 0 58.9	2.051	3.046	1.2	20.1
4 1	11 45.63	+ 1 59.7	2.067	3.041	5.1	20.3
4 11	11 39.79	+ 2 53.5	2.110	3.036	8.6	20.5
4 21	11 35.46	+ 3 35.9	2.177	3.032	11.8	20.7

127945 2003 HW_{6} 3 18.9 131°.27 0°.1/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.52	− 2 43.0	2.006	2.801	14.1	20.6
2 21	12 14.32	− 2 12.4	1.925	2.809	10.9	20.3
3 2	12 8.06	− 1 27.5	1.867	2.816	7.2	20.1
3 12	12 0.36	− 0 32.5	1.836	2.822	3.1	19.9
3 22	11 52.02	+ 0 27.3	1.834	2.829	1.3	19.8
4 1	11 44.00	+ 1 25.3	1.860	2.835	5.5	20.1
4 11	11 37.16	+ 2 15.5	1.914	2.841	9.4	20.3
4 21	11 32.13	+ 2 53.6	1.991	2.846	12.7	20.5

467508 2007 CK_{49} 3 18.9 64°.10 5°.3/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.88	−13 38.3	1.716	2.472	17.7	21.5
2 21	12 16.56	−14 12.2	1.639	2.484	14.6	21.3
3 2	12 9.74	−14 24.3	1.583	2.497	11.1	21.1
3 12	12 1.11	−14 14.0	1.550	2.510	7.5	20.9
3 22	11 51.69	−13 43.5	1.543	2.522	5.3	20.8
4 1	11 42.64	−12 58.0	1.563	2.535	6.6	20.9
4 11	11 35.07	−12 5.2	1.609	2.548	9.8	21.1
4 21	11 29.71	−11 12.9	1.678	2.562	13.3	21.3

303194 2004 FF_{150} 3 18.9 328°.63 0°.8/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.56	− 3 5.8	1.940	2.740	14.4	20.7
2 21	12 13.06	− 3 2.4	1.845	2.730	11.3	20.5
3 2	12 7.40	− 2 45.4	1.773	2.720	7.6	20.3
3 12	12 0.15	− 2 17.5	1.726	2.711	3.5	20.0
3 22	11 52.10	− 1 42.7	1.706	2.701	1.3	19.8
4 1	11 44.23	− 1 6.4	1.715	2.693	5.5	20.1
4 11	11 37.47	− 0 34.4	1.750	2.685	9.5	20.3
4 21	11 32.55	− 0 11.1	1.808	2.677	13.2	20.5

139874 2001 RO_{78} 3 18.9 163°.33 4°.7/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.07	+17 40.8	2.973	3.786	9.6	20.6
2 21	12 14.81	+18 28.3	2.903	3.791	7.5	20.4
3 2	12 8.05	+19 13.8	2.859	3.796	5.6	20.3
3 12	12 0.27	+19 52.3	2.844	3.801	4.7	20.3
3 22	11 52.10	+20 19.6	2.859	3.805	5.4	20.3
4 1	11 44.20	+20 32.6	2.903	3.809	7.3	20.4
4 11	11 37.19	+20 30.1	2.973	3.812	9.3	20.6
4 21	11 31.55	+20 12.4	3.067	3.815	11.3	20.7

348832 2006 RC_{81} 3 18.9 133°.68 0°.8/18.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.96	+ 2 5.1	2.591	3.387	11.3	21.3
2 21	12 14.16	+ 2 21.8	2.509	3.395	8.6	21.1
3 2	12 7.72	+ 2 45.8	2.451	3.402	5.5	21.0
3 12	12 0.16	+ 3 13.7	2.423	3.410	2.3	20.7
3 22	11 52.14	+ 3 41.9	2.424	3.417	1.6	20.7
4 1	11 44.36	+ 4 6.4	2.455	3.424	4.8	20.9
4 11	11 37.53	+ 4 23.9	2.515	3.430	7.9	21.1
4 21	11 32.14	+ 4 32.3	2.600	3.437	10.7	21.3

110632 2001 TP_{165} 3 18.9 197°.27 0°.7/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.63	+ 1 6.2	2.148	2.946	13.3	20.7
2 21	12 16.65	+ 1 24.8	2.057	2.943	10.2	20.5
3 2	12 9.58	+ 1 53.3	1.990	2.941	6.6	20.2
3 12	12 1.02	+ 2 28.1	1.950	2.937	2.7	20.0
3 22	11 51.74	+ 3 4.3	1.940	2.934	1.7	19.9
4 1	11 42.70	+ 3 36.9	1.959	2.929	5.7	20.2
4 11	11 34.79	+ 4 1.2	2.006	2.925	9.5	20.4
4 21	11 28.66	+ 4 14.4	2.077	2.919	12.8	20.6

521187 2015 FU_{411} 3 18.9 85°.14 2°.5/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.91	+ 5 8.3	2.302	3.120	11.8	21.4
2 21	12 11.31	+ 6 8.9	2.226	3.126	8.9	21.2
3 2	12 5.98	+ 7 17.5	2.176	3.132	5.7	21.0
3 12	11 59.46	+ 8 28.2	2.153	3.138	2.9	20.8
3 22	11 52.45	+ 9 35.0	2.160	3.144	3.4	20.9
4 1	11 45.69	+10 32.1	2.195	3.150	6.4	21.1
4 11	11 39.93	+11 15.1	2.257	3.156	9.5	21.3
4 21	11 35.67	+11 41.9	2.343	3.162	12.3	21.5

139948 2001 RU_{140} 3 18.9 225°.84 1°.1/17.5 17

2 11	12 15.21	+ 0 48.2	2.631	3.430	11.1	21.3
2 21	12 11.42	+ 1 41.2	2.532	3.421	8.4	21.1
3 2	12 6.03	+ 2 44.7	2.459	3.412	5.4	20.9
3 12	11 59.50	+ 3 54.5	2.415	3.402	2.2	20.6
3 22	11 52.42	+ 5 5.4	2.400	3.392	1.9	20.6
4 1	11 45.48	+ 6 11.9	2.416	3.382	5.2	20.8
4 11	11 39.34	+ 7 9.1	2.460	3.371	8.3	21.0
4 21	11 34.54	+ 7 53.6	2.530	3.360	11.1	21.1

365501 2010 RE_{59} 3 18.9 213°.67 1°.9/20.9 16

2 11	12 18.51	− 8 19.1	1.907	2.684	15.4	21.9
2 21	12 14.61	− 7 51.9	1.811	2.679	12.3	21.7
3 2	12 8.44	− 7 4.5	1.736	2.673	8.6	21.4
3 12	12 0.60	− 5 59.3	1.688	2.667	4.5	21.2
3 22	11 51.93	− 4 41.5	1.667	2.661	2.0	21.0
4 1	11 43.45	− 3 18.6	1.675	2.653	5.5	21.2
4 11	11 36.16	− 1 58.8	1.710	2.646	9.7	21.4
4 21	11 30.80	− 0 49.4	1.769	2.638	13.4	21.6

4135 Svetlanov 3 18.9 153°.51 1°.1/20.4 18

2 11	12 17.23	− 6 40.6	2.601	3.368	12.0	17.8
2 21	12 12.88	− 6 7.9	2.513	3.377	9.4	17.7
3 2	12 6.92	− 5 21.3	2.448	3.385	6.4	17.5
3 12	11 59.85	− 4 23.7	2.412	3.393	3.2	17.3
3 22	11 52.29	− 3 19.2	2.405	3.400	1.3	17.1
4 1	11 44.96	− 2 13.0	2.429	3.406	4.2	17.4
4 11	11 38.54	− 1 10.4	2.483	3.412	7.4	17.6
4 21	11 33.51	− 0 15.9	2.562	3.417	10.2	17.8

210233 2007 RV_{129} 3 18.9 142°.64 1°.0/18.0 18

2 11	12 22.73	+ 0 45.6	1.959	2.759	14.3	21.3
2 21	12 17.54	+ 1 20.6	1.883	2.771	10.9	21.1
3 2	12 10.15	+ 2 7.3	1.830	2.782	7.0	20.9
3 12	12 1.24	+ 3 0.7	1.805	2.793	2.8	20.6
3 22	11 51.69	+ 3 54.8	1.809	2.803	2.0	20.6
4 1	11 42.54	+ 4 43.3	1.843	2.812	6.1	20.9
4 11	11 34.70	+ 5 20.9	1.904	2.820	10.0	21.1
4 21	11 28.83	+ 5 44.5	1.988	2.828	13.4	21.3

344409 2002 AB_{148} 3 18.9 73°.90 0°.7/19.6 17

2 11	12 19.37	− 2 23.9	2.321	3.107	12.7	20.4
2 21	12 14.64	− 2 24.4	2.242	3.120	9.9	20.3
3 2	12 8.12	− 2 14.4	2.188	3.133	6.6	20.1
3 12	12 0.35	− 1 56.5	2.161	3.145	3.0	19.9
3 22	11 52.09	− 1 34.0	2.163	3.158	1.1	19.7
4 1	11 44.12	− 1 10.9	2.194	3.171	4.6	20.0
4 11	11 37.21	− 0 51.3	2.254	3.183	8.0	20.2
4 21	11 31.91	− 0 38.3	2.339	3.196	11.0	20.5

99703 2002 JU_{35} 3 18.9 244°.27 6°.7/11.2 18

2 11	12 20.08	+19 9.9	2.220	3.045	11.9	19.8
2 21	12 15.51	+20 22.1	2.142	3.035	9.6	19.6
3 2	12 8.87	+21 32.6	2.089	3.024	7.5	19.4
3 12	12 0.73	+22 33.6	2.062	3.013	6.7	19.4
3 22	11 51.90	+23 18.0	2.064	3.001	7.8	19.4
4 1	11 43.33	+23 40.9	2.092	2.989	10.1	19.5
4 11	11 35.91	+23 40.5	2.144	2.977	12.7	19.7
4 21	11 30.28	+23 17.6	2.217	2.965	15.1	19.8

310028 2010 BJ_{51} 3 18.9 239°.00 12°.4/ 6.4 18

2 11	12 31.99	+33 1.5	1.825	2.625	15.2	21.2
2 21	12 25.44	+34 35.1	1.760	2.611	13.5	21.1
3 2	12 15.71	+35 54.7	1.718	2.596	12.5	21.0
3 12	12 3.67	+36 47.8	1.699	2.581	12.6	21.0
3 22	11 50.63	+37 5.6	1.704	2.565	13.8	21.0
4 1	11 38.13	+36 44.0	1.732	2.548	15.8	21.1
4 11	11 27.60	+35 45.0	1.779	2.530	18.0	21.2
4 21	11 19.91	+34 14.8	1.844	2.512	20.1	21.3

138601 2000 QK_{175} 3 18.9 198°.47 0°.3/18.6 18

2 11	12 14.83	− 1 51.7	2.678	3.469	11.1	20.5
2 21	12 11.06	− 1 8.8	2.584	3.466	8.6	20.3
3 2	12 5.76	− 0 14.7	2.515	3.464	5.6	20.2
3 12	11 59.38	+ 0 47.0	2.474	3.461	2.3	19.9
3 22	11 52.50	+ 1 51.9	2.463	3.458	1.2	19.8
4 1	11 45.79	+ 2 54.7	2.483	3.454	4.6	20.1
4 11	11 39.88	+ 3 50.6	2.530	3.451	7.7	20.3
4 21	11 35.28	+ 4 36.2	2.604	3.447	10.5	20.4

218815 2006 SE_{36} 3 18.9 146°.88 3°.5/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.66	+ 9 14.6	2.468	3.290	11.0	20.5
2 21	12 11.79	+10 20.5	2.393	3.294	8.3	20.4
3 2	12 6.25	+11 31.0	2.344	3.298	5.6	20.2
3 12	11 59.58	+12 40.4	2.323	3.301	3.6	20.1
3 22	11 52.42	+13 42.7	2.331	3.305	4.4	20.1
4 1	11 45.51	+14 32.6	2.369	3.308	7.0	20.3
4 11	11 39.53	+15 6.8	2.432	3.311	9.7	20.5
4 21	11 35.00	+15 24.0	2.519	3.314	12.2	20.6

173349 1999 XD_{141} 3 18.9 110°.13 3°.9/23.1 18

2 11	12 19.10	−14 22.8	1.842	2.592	16.9	20.5
2 21	12 14.96	−14 1.4	1.764	2.608	13.8	20.3
3 2	12 8.57	−13 15.3	1.708	2.625	10.2	20.1
3 12	12 0.60	−12 6.4	1.675	2.640	6.4	19.9
3 22	11 51.98	−10 39.6	1.670	2.656	4.0	19.8
4 1	11 43.77	− 9 2.9	1.693	2.671	5.6	19.9
4 11	11 36.92	− 7 25.7	1.744	2.685	9.1	20.2
4 21	11 32.08	− 5 56.5	1.820	2.699	12.6	20.4

501255 2013 VH_{22} 3 18.9 202°.33 2°.0/16.7 17

2 11	12 21.95	+ 5 49.9	2.634	3.433	11.1	22.8
2 21	12 16.52	+ 6 19.7	2.539	3.427	8.4	22.6
3 2	12 9.32	+ 6 55.1	2.469	3.421	5.5	22.4
3 12	12 0.88	+ 7 32.1	2.429	3.414	2.6	22.2
3 22	11 51.85	+ 8 6.3	2.419	3.406	2.7	22.2
4 1	11 43.00	+ 8 33.4	2.440	3.398	5.7	22.3
4 11	11 35.07	+ 8 50.2	2.490	3.388	8.8	22.5
4 21	11 28.64	+ 8 55.1	2.564	3.378	11.5	22.7

41612 2000 SO_{124} 3 18.9 95°.13 1°.0/17.7 18

2 11	12 15.87	+ 1 32.6	2.461	3.265	11.6	19.2
2 21	12 11.89	+ 2 9.5	2.384	3.275	8.8	19.1
3 2	12 6.30	+ 2 55.2	2.331	3.284	5.6	18.9
3 12	11 59.59	+ 3 45.6	2.307	3.294	2.3	18.7
3 22	11 52.43	+ 4 36.0	2.312	3.304	1.9	18.6
4 1	11 45.53	+ 5 21.5	2.346	3.314	5.1	18.9
4 11	11 39.57	+ 5 57.9	2.408	3.323	8.3	19.1
4 21	11 35.05	+ 6 22.7	2.495	3.332	11.0	19.3

150109 1981 EA_{17} 3 18.9 274°.76 2°.1/20.6 18

2 11	12 20.23	− 5 57.2	1.714	2.505	16.4	19.8
2 21	12 16.23	− 6 3.3	1.620	2.496	13.1	19.6
3 2	12 9.69	− 5 52.3	1.546	2.487	9.1	19.3
3 12	12 1.20	− 5 25.8	1.497	2.478	4.7	19.1
3 22	11 51.71	− 4 47.7	1.475	2.469	2.2	18.9
4 1	11 42.39	− 4 3.9	1.481	2.460	6.0	19.1
4 11	11 34.40	− 3 21.5	1.513	2.451	10.5	19.3
4 21	11 28.60	− 2 46.8	1.567	2.442	14.5	19.5

403863 2011 UU_{389} 3 18.9 60°.47 3°.5/16.3 18

2 11	12 21.49	+ 6 2.6	1.384	2.220	17.2	20.4
2 21	12 17.35	+ 6 49.1	1.324	2.232	13.1	20.2
3 2	12 10.37	+ 7 45.5	1.285	2.244	8.4	20.0
3 12	12 1.41	+ 8 43.5	1.270	2.256	4.2	19.8
3 22	11 51.69	+ 9 34.0	1.282	2.268	4.7	19.8
4 1	11 42.57	+10 9.3	1.319	2.281	9.0	20.1
4 11	11 35.27	+10 24.5	1.381	2.294	13.3	20.4
4 21	11 30.51	+10 18.7	1.462	2.307	17.1	20.6

177702 2005 GS_{70} 3 18.9 173°.35 0°.6/19.6 18

2 11	12 20.85	− 4 5.5	2.202	2.983	13.5	21.3
2 21	12 15.99	− 3 40.1	2.113	2.987	10.6	21.1
3 2	12 9.13	− 3 0.5	2.047	2.990	7.1	20.9
3 12	12 0.84	− 2 10.2	2.008	2.992	3.2	20.6
3 22	11 51.91	− 1 13.6	1.998	2.994	1.2	20.5
4 1	11 43.22	− 0 16.7	2.019	2.994	5.1	20.7
4 11	11 35.63	+ 0 34.7	2.068	2.994	8.8	21.0
4 21	11 29.77	+ 1 16.3	2.142	2.994	12.1	21.2

378679 2008 HU_{55} 3 18.9 249°.86 1°.1/17.8 17

2 11	12 18.91	+ 0 57.5	2.140	2.943	13.1	22.3
2 21	12 14.73	+ 1 36.5	2.036	2.926	10.1	22.0
3 2	12 8.46	+ 2 27.6	1.956	2.909	6.6	21.8
3 12	12 0.63	+ 3 26.5	1.903	2.891	2.7	21.5
3 22	11 51.98	+ 4 27.5	1.880	2.872	2.1	21.4
4 1	11 43.42	+ 5 24.2	1.885	2.853	6.1	21.6
4 11	11 35.88	+ 6 10.6	1.918	2.834	10.0	21.8
4 21	11 30.06	+ 6 43.0	1.975	2.814	13.5	22.0

498740 2008 TK_{160} 3 18.9 166°.77 0°.3/18.7 17

2 11	12 18.28	− 0 47.8	2.313	3.108	12.5	22.5
2 21	12 13.92	− 0 21.7	2.226	3.111	9.6	22.3
3 2	12 7.72	+ 0 15.3	2.164	3.113	6.3	22.1
3 12	12 0.24	+ 0 59.7	2.128	3.115	2.6	21.9
3 22	11 52.18	+ 1 46.8	2.122	3.117	1.3	21.8
4 1	11 44.36	+ 2 31.5	2.146	3.118	5.1	22.1
4 11	11 37.55	+ 3 9.1	2.197	3.120	8.6	22.3
4 21	11 32.32	+ 3 36.1	2.274	3.121	11.7	22.5

311258 2005 EW_{68} 3 18.9 334.°93 2.°1/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 18.18	− 5 9.3	1.363	2.177	18.6	20.2
2 21	12 15.22	− 5 21.8	1.278	2.168	14.9	19.9
3 2	12 9.31	− 5 14.8	1.212	2.159	10.3	19.6
3 12	12 1.12	− 4 50.1	1.169	2.152	5.2	19.3
3 22	11 51.75	− 4 12.3	1.150	2.145	2.3	19.1
4 1	11 42.62	− 3 28.7	1.157	2.138	6.9	19.4
4 11	11 35.12	− 2 47.8	1.188	2.133	12.0	19.6
4 21	11 30.21	− 2 16.8	1.240	2.128	16.6	19.9

453568 2010 CZ_{106} 3 18.9 104.°19 2.°2/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.79	− 5 21.7	1.430	2.228	18.7	21.8
2 21	12 20.00	− 5 36.2	1.357	2.237	14.8	21.5
3 2	12 12.22	− 5 32.1	1.303	2.246	10.2	21.3
3 12	12 2.25	− 5 11.3	1.273	2.254	5.2	21.0
3 22	11 51.31	− 4 38.4	1.269	2.263	2.4	20.9
4 1	11 40.85	− 4 0.3	1.291	2.271	6.7	21.1
4 11	11 32.19	− 3 24.6	1.339	2.279	11.5	21.4
4 21	11 26.19	− 2 57.7	1.410	2.286	15.7	21.7

496481 2014 SY_{287} 3 18.9 180.°49 1.°0/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.82	− 0 55.7	1.871	2.677	14.6	21.7
2 21	12 14.78	− 0 0.9	1.787	2.678	11.2	21.5
3 2	12 8.51	+ 1 9.5	1.726	2.679	7.3	21.3
3 12	12 0.64	+ 2 29.9	1.691	2.679	2.9	21.0
3 22	11 52.02	+ 3 52.9	1.685	2.678	2.1	20.9
4 1	11 43.68	+ 5 10.4	1.708	2.678	6.5	21.2
4 11	11 36.59	+ 6 15.2	1.757	2.676	10.6	21.4
4 21	11 31.43	+ 7 2.9	1.830	2.675	14.1	21.7

500718 2012 XY_{22} 3 18.9 144.°66 3.°2/23.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.06	−12 48.2	2.618	3.357	12.7	21.3
2 21	12 12.07	−12 44.5	2.525	3.363	10.3	21.1
3 2	12 6.46	−12 24.8	2.454	3.367	7.7	20.9
3 12	11 59.71	−11 50.1	2.409	3.372	4.9	20.8
3 22	11 52.44	−11 3.0	2.393	3.377	3.2	20.7
4 1	11 45.36	−10 7.6	2.406	3.381	4.4	20.7
4 11	11 39.16	− 9 9.3	2.448	3.385	7.1	20.9
4 21	11 34.34	− 8 13.2	2.516	3.389	9.8	21.1

245710 2006 CX_{22} 3 18.9 339.°32 0.°5/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.92	− 1 0.8	1.903	2.701	14.7	20.1
2 21	12 17.15	− 1 9.6	1.816	2.700	11.5	19.9
3 2	12 10.07	− 1 7.3	1.751	2.699	7.6	19.6
3 12	12 1.30	− 0 56.7	1.712	2.698	3.3	19.4
3 22	11 51.74	− 0 41.3	1.702	2.697	1.3	19.2
4 1	11 42.45	− 0 25.9	1.720	2.696	5.7	19.5
4 11	11 34.43	− 0 14.9	1.765	2.695	9.8	19.7
4 21	11 28.42	− 0 11.9	1.833	2.695	13.4	19.9

308158 2005 AY_{60} 3 18.9 25.°46 5.°5/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.65	+ 7 43.8	1.167	2.025	18.2	19.9
2 21	12 13.33	+ 9 9.5	1.113	2.033	13.8	19.7
3 2	12 7.97	+10 46.3	1.080	2.043	9.1	19.4
3 12	12 0.47	+12 22.0	1.070	2.053	5.7	19.3
3 22	11 52.13	+13 43.5	1.084	2.064	7.1	19.4
4 1	11 44.42	+14 40.3	1.122	2.076	11.3	19.6
4 11	11 38.62	+15 7.1	1.182	2.088	15.6	19.9
4 21	11 35.49	+15 4.2	1.259	2.102	19.4	20.2

245077 2004 JV_{1} 3 18.9 279.°83 6.°1/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.03	−20 26.6	2.421	3.120	14.6	20.1
2 21	12 12.42	−20 51.5	2.312	3.109	12.5	19.9
3 2	12 6.92	−20 56.4	2.224	3.098	10.2	19.7
3 12	11 59.98	−20 39.7	2.159	3.088	7.9	19.6
3 22	11 52.30	−20 2.2	2.120	3.077	6.3	19.5
4 1	11 44.70	−19 6.9	2.109	3.066	6.5	19.4
4 11	11 38.02	−17 59.6	2.125	3.055	8.4	19.5
4 21	11 32.91	−16 47.1	2.166	3.045	10.9	19.7

328576 2009 SH_{36} 3 18.9 289.°09 1.°4/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.77	− 5 14.0	1.747	2.544	15.9	21.6
2 21	12 14.40	− 5 1.9	1.642	2.524	12.6	21.3
3 2	12 8.56	− 4 31.8	1.559	2.504	8.7	21.0
3 12	12 0.78	− 3 45.7	1.500	2.484	4.2	20.7
3 22	11 51.93	− 2 48.4	1.468	2.463	1.6	20.5
4 1	11 43.14	− 1 46.9	1.464	2.443	6.1	20.7
4 11	11 35.54	− 0 49.2	1.486	2.423	10.7	21.0
4 21	11 30.03	− 0 1.9	1.530	2.403	14.9	21.2

371754 2007 FZ_{24} 3 18.9 359.°53 0.°6/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.86	+ 0 14.0	1.764	2.577	15.1	21.1
2 21	12 14.95	+ 0 34.9	1.682	2.576	11.6	20.9
3 2	12 8.69	+ 1 8.5	1.622	2.576	7.6	20.6
3 12	12 0.73	+ 1 50.6	1.588	2.576	3.1	20.4
3 22	11 52.00	+ 2 35.3	1.581	2.576	1.8	20.3
4 1	11 43.57	+ 3 16.0	1.602	2.576	6.4	20.6
4 11	11 36.47	+ 3 47.0	1.649	2.576	10.6	20.8
4 21	11 31.40	+ 4 4.6	1.719	2.577	14.3	21.0

96512 1998 QE_{67} 3 18.9 232.°33 6.°4/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 19.65	−21 28.9	2.562	3.243	14.2	20.4
2 21	12 15.14	−22 2.6	2.449	3.231	12.4	20.2
3 2	12 8.68	−22 17.3	2.356	3.219	10.2	20.1
3 12	12 0.73	−22 11.1	2.287	3.206	8.0	19.9
3 22	11 51.98	−21 44.0	2.244	3.192	6.5	19.8
4 1	11 43.26	−20 58.4	2.229	3.179	6.7	19.8
4 11	11 35.43	−19 59.5	2.242	3.164	8.4	19.8
4 21	11 29.17	−18 53.5	2.280	3.149	10.8	20.0

93121 2000 SY_{59} 3 18.9 189.°74 0.°7/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.03	− 4 17.1	2.119	2.907	13.7	20.7
2 21	12 13.95	− 3 49.5	2.028	2.906	10.7	20.5
3 2	12 7.87	− 3 6.9	1.961	2.906	7.2	20.3
3 12	12 0.36	− 2 12.7	1.920	2.904	3.3	20.1
3 22	11 52.17	− 1 11.8	1.907	2.903	1.2	19.9
4 1	11 44.20	− 0 10.5	1.924	2.901	5.2	20.2
4 11	11 37.32	+ 0 45.2	1.969	2.899	9.0	20.4
4 21	11 32.15	+ 1 30.3	2.038	2.896	12.4	20.6

83596 2001 SC_{263} 3 18.9 219.°87 1.°4/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.52	− 6 46.0	2.373	3.149	12.8	20.3
2 21	12 11.84	− 6 24.2	2.278	3.146	10.1	20.1
3 2	12 6.41	− 5 47.7	2.206	3.144	7.0	19.9
3 12	11 59.73	− 4 58.7	2.161	3.141	3.5	19.7
3 22	11 52.45	− 4 1.4	2.145	3.139	1.5	19.5
4 1	11 45.36	− 3 1.0	2.158	3.136	4.5	19.7
4 11	11 39.20	− 2 3.3	2.199	3.133	7.9	20.0
4 21	11 34.52	− 1 13.1	2.266	3.130	11.0	20.1

459012 2011 YJ_{9} 3 18.9 24.°10 4.°7/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.96	−12 25.5	1.453	2.233	19.3	21.0
2 21	12 14.83	−12 38.6	1.373	2.236	15.8	20.8
3 2	12 8.92	−12 26.0	1.311	2.238	11.8	20.6
3 12	12 0.92	−11 47.6	1.272	2.241	7.5	20.3
3 22	11 51.92	−10 47.3	1.258	2.245	4.7	20.2
4 1	11 43.26	− 9 32.9	1.269	2.248	6.8	20.3
4 11	11 36.21	− 8 14.8	1.305	2.252	11.0	20.5
4 21	11 31.61	− 7 2.8	1.364	2.256	15.1	20.8

231585 2008 UH_{256} 3 18.9 102.°61 0.°2/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.04	− 2 45.2	2.095	2.891	13.6	21.1
2 21	12 13.15	− 2 17.1	2.012	2.896	10.5	20.9
3 2	12 7.31	− 1 35.4	1.953	2.901	6.9	20.7
3 12	12 0.11	− 0 43.8	1.920	2.906	3.0	20.4
3 22	11 52.30	+ 0 12.5	1.915	2.911	1.2	20.3
4 1	11 44.76	+ 1 7.4	1.940	2.915	5.2	20.6
4 11	11 38.33	+ 1 55.4	1.992	2.920	9.0	20.8
4 21	11 33.59	+ 2 32.2	2.068	2.925	12.3	21.0

401842 1999 VF_{84} 3 18.9 150.°89 0.°1/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.17	− 2 34.3	2.057	2.846	14.0	22.5
2 21	12 16.31	− 2 0.8	1.975	2.856	10.9	22.3
3 2	12 9.37	− 1 13.3	1.918	2.865	7.1	22.1
3 12	12 0.97	− 0 15.9	1.887	2.873	3.0	21.9
3 22	11 51.94	+ 0 45.7	1.886	2.881	1.3	21.8
4 1	11 43.23	+ 1 45.3	1.914	2.888	5.5	22.1
4 11	11 35.73	+ 2 36.7	1.970	2.894	9.3	22.3
4 21	11 30.07	+ 3 15.9	2.050	2.899	12.7	22.5

202308 2005 DN_{3} 3 18.9 43.°23 1.°4/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.12	− 4 17.4	1.929	2.720	14.8	20.9
2 21	12 14.91	− 4 20.2	1.848	2.726	11.6	20.7
3 2	12 8.55	− 4 9.1	1.789	2.732	7.9	20.5
3 12	12 0.65	− 3 46.3	1.756	2.739	3.8	20.3
3 22	11 52.07	− 3 15.9	1.751	2.745	1.6	20.1
4 1	11 43.79	− 2 42.9	1.774	2.752	5.3	20.4
4 11	11 36.76	− 2 12.9	1.824	2.759	9.2	20.6
4 21	11 31.61	− 1 50.3	1.897	2.766	12.7	20.8

418387 2008 HL_{34} 3 18.9 321.°14 5.°1/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.39	+ 8 34.6	1.599	2.441	14.9	21.3
2 21	12 12.58	+10 7.4	1.523	2.435	11.4	21.0
3 2	12 7.29	+11 50.7	1.470	2.428	7.7	20.8
3 12	12 0.20	+13 34.4	1.443	2.422	5.2	20.6
3 22	11 52.25	+15 7.6	1.443	2.416	6.6	20.7
4 1	11 44.59	+16 20.6	1.469	2.411	10.2	20.9
4 11	11 38.33	+17 7.5	1.518	2.405	14.0	21.1
4 21	11 34.21	+17 26.8	1.587	2.400	17.4	21.3

96332 1997 GQ_{34} 3 18.9 134.°67 2.°7/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.49	+ 7 35.6	2.159	2.971	12.7	19.8
2 21	12 17.19	+ 8 0.0	2.083	2.978	9.7	19.6
3 2	12 9.87	+ 8 29.1	2.031	2.984	6.3	19.4
3 12	12 1.16	+ 8 57.9	2.007	2.991	3.2	19.2
3 22	11 51.87	+ 9 21.5	2.012	2.997	3.5	19.2
4 1	11 42.94	+ 9 35.5	2.046	3.003	6.7	19.4
4 11	11 35.21	+ 9 37.0	2.107	3.008	10.0	19.7
4 21	11 29.29	+ 9 25.0	2.192	3.014	12.9	19.9

201089 2002 GU_{77} 3 18.9 248°.33 3°.3/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 20.17	+ 8 42.4	2.245	3.061	12.1	20.5
2 21	12 15.57	+ 9 25.5	2.149	3.047	9.3	20.3
3 2	12 8.94	+10 14.0	2.078	3.032	6.2	20.1
3 12	12 0.83	+11 2.4	2.035	3.016	3.6	19.9
3 22	11 51.99	+11 44.9	2.021	3.000	4.2	19.9
4 1	11 43.29	+12 16.0	2.035	2.984	7.3	20.0
4 11	11 35.63	+12 32.1	2.077	2.968	10.6	20.2
4 21	11 29.67	+12 31.6	2.141	2.951	13.6	20.4

437616 2014 BN_{18} 3 18.9 58°.37 3°.0/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.84	+ 6 28.1	2.258	3.080	11.9	21.0
2 21	12 11.35	+ 7 34.0	2.180	3.081	9.0	20.8
3 2	12 6.10	+ 8 47.4	2.126	3.083	5.8	20.6
3 12	11 59.60	+10 2.2	2.101	3.084	3.2	20.5
3 22	11 52.55	+11 11.9	2.105	3.086	3.9	20.5
4 1	11 45.75	+12 10.3	2.137	3.087	6.9	20.7
4 11	11 39.95	+12 53.2	2.195	3.088	10.0	20.9
4 21	11 35.67	+13 18.6	2.277	3.090	12.8	21.1

92940 2000 RX_{33} 3 18.9 274°.56 0°.4/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.48	+ 1 17.9	1.902	2.704	14.6	19.0
2 21	12 18.52	+ 1 13.2	1.802	2.690	11.3	18.7
3 2	12 11.11	+ 1 17.9	1.724	2.675	7.5	18.5
3 12	12 1.82	+ 1 28.9	1.673	2.660	3.1	18.2
3 22	11 51.55	+ 1 42.2	1.650	2.645	1.6	18.0
4 1	11 41.41	+ 1 53.1	1.656	2.630	6.2	18.3
4 11	11 32.51	+ 1 57.2	1.690	2.615	10.5	18.5
4 21	11 25.66	+ 1 51.5	1.746	2.600	14.3	18.7

383642 2007 RJ_{292} 3 18.9 148°.83 0°.6/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.12	− 0 9.7	2.528	3.323	11.6	22.4
2 21	12 12.86	+ 0 24.6	2.445	3.329	8.9	22.3
3 2	12 6.96	+ 1 8.8	2.385	3.336	5.7	22.1
3 12	11 59.93	+ 1 59.1	2.355	3.342	2.3	21.8
3 22	11 52.42	+ 2 51.1	2.353	3.347	1.4	21.8
4 1	11 45.14	+ 3 39.7	2.382	3.353	4.8	22.0
4 11	11 38.78	+ 4 20.7	2.439	3.358	8.0	22.2
4 21	11 33.84	+ 4 51.1	2.521	3.362	10.9	22.4

341600 2007 UT_{105} 3 18.9 76°.99 5°.0/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.91	−19 23.5	2.333	3.042	14.8	21.0
2 21	12 12.12	−19 16.7	2.254	3.062	12.5	20.8
3 2	12 6.55	−18 47.8	2.196	3.083	9.8	20.7
3 12	11 59.77	−17 57.5	2.162	3.103	7.1	20.6
3 22	11 52.50	−16 48.6	2.154	3.123	5.2	20.5
4 1	11 45.55	−15 26.6	2.176	3.143	5.5	20.5
4 11	11 39.66	−13 58.5	2.225	3.162	7.7	20.7
4 21	11 35.35	−12 31.5	2.301	3.182	10.3	20.9

500733 2012 XQ_{110} 3 18.9 147°.67 7°.5/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.30	−32 3.6	3.324	3.900	12.8	21.7
2 21	12 15.23	−32 50.4	3.228	3.910	11.6	21.6
3 2	12 8.51	−33 18.6	3.150	3.920	10.2	21.5
3 12	12 0.60	−33 25.9	3.094	3.929	8.9	21.4
3 22	11 52.12	−33 11.9	3.063	3.938	7.9	21.4
4 1	11 43.77	−32 37.9	3.058	3.946	7.5	21.4
4 11	11 36.23	−31 47.4	3.079	3.954	8.0	21.4
4 21	11 30.06	−30 45.6	3.126	3.961	9.1	21.5

463684 2014 OU_{188} 3 18.9 161°.15 0°.1/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.55	− 2 46.2	2.055	2.845	14.0	22.2
2 21	12 15.88	− 2 9.1	1.971	2.851	10.9	22.0
3 2	12 9.13	− 1 17.5	1.910	2.857	7.1	21.8
3 12	12 0.90	− 0 15.6	1.877	2.863	3.0	21.6
3 22	11 52.01	+ 0 51.0	1.872	2.867	1.3	21.4
4 1	11 43.42	+ 1 55.4	1.897	2.871	5.5	21.7
4 11	11 36.02	+ 2 51.5	1.950	2.874	9.4	22.0
4 21	11 30.44	+ 3 34.9	2.028	2.877	12.8	22.2

409801 2006 HS_{33} 3 18.9 208°.85 0°.3/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.01	− 1 43.1	2.029	2.823	14.1	22.4
2 21	12 16.39	− 1 8.1	1.934	2.817	10.9	22.2
3 2	12 9.58	− 0 18.7	1.861	2.810	7.2	21.9
3 12	12 1.14	+ 0 40.9	1.816	2.802	3.0	21.6
3 22	11 51.89	+ 1 45.1	1.799	2.794	1.5	21.5
4 1	11 42.82	+ 2 47.0	1.812	2.785	5.9	21.8
4 11	11 34.91	+ 3 40.3	1.852	2.775	9.9	22.0
4 21	11 28.86	+ 4 20.5	1.917	2.764	13.5	22.2

10453 Banzan 3 18.9 261°.59 0°.5/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.86	+ 0 6.6	2.466	3.263	11.8	18.4
2 21	12 12.87	+ 0 33.6	2.362	3.248	9.1	18.2
3 2	12 7.12	+ 1 10.7	2.282	3.233	5.9	18.0
3 12	12 0.07	+ 1 54.8	2.230	3.217	2.4	17.7
3 22	11 52.36	+ 2 41.4	2.207	3.201	1.5	17.6
4 1	11 44.76	+ 3 25.6	2.213	3.185	5.1	17.9
4 11	11 38.02	+ 4 2.8	2.248	3.168	8.5	18.0
4 21	11 32.73	+ 4 29.6	2.308	3.152	11.6	18.2

448738 2011 HD_{23} 3 18.9 232°.02 1°.1/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 22.04	− 4 29.0	1.485	2.288	17.9	21.6
2 21	12 18.03	− 4 13.9	1.395	2.280	14.2	21.3
3 2	12 11.10	− 3 38.6	1.325	2.272	9.6	21.0
3 12	12 1.91	− 2 46.2	1.279	2.264	4.5	20.7
3 22	11 51.55	− 1 43.0	1.260	2.255	1.6	20.5
4 1	11 41.39	− 0 37.4	1.267	2.246	6.9	20.8
4 11	11 32.81	+ 0 21.2	1.300	2.236	12.0	21.0
4 21	11 26.77	+ 1 5.9	1.355	2.226	16.6	21.3

241353 2007 WL_{49} 3 18.9 235°.01 1°.4/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.33	+ 2 17.3	2.334	3.142	12.0	20.7
2 21	12 12.48	+ 2 57.0	2.245	3.138	9.2	20.5
3 2	12 6.84	+ 3 46.2	2.179	3.133	5.9	20.2
3 12	11 59.94	+ 4 40.5	2.141	3.129	2.5	20.0
3 22	11 52.45	+ 5 34.7	2.133	3.124	2.2	20.0
4 1	11 45.15	+ 6 23.3	2.153	3.119	5.7	20.2
4 11	11 38.80	+ 7 1.7	2.201	3.115	9.0	20.4
4 21	11 33.97	+ 7 27.0	2.273	3.110	12.0	20.6

271287 2003 UM_{247} 3 18.9 213°.82 3°.2/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.19	+ 9 11.6	2.589	3.401	10.8	21.2
2 21	12 14.51	+10 0.0	2.498	3.393	8.3	21.0
3 2	12 8.09	+10 52.9	2.433	3.385	5.5	20.8
3 12	12 0.45	+11 45.1	2.396	3.376	3.3	20.7
3 22	11 52.23	+12 31.3	2.390	3.366	4.0	20.7
4 1	11 44.19	+13 7.0	2.413	3.356	6.6	20.8
4 11	11 37.05	+13 28.9	2.463	3.346	9.5	21.0
4 21	11 31.37	+13 35.6	2.537	3.335	12.1	21.2

498690 2008 SZ_{273} 3 18.9 148°.41 2°.2/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.27	+ 4 45.5	2.248	3.060	12.3	22.3
2 21	12 13.94	+ 5 32.7	2.170	3.065	9.3	22.1
3 2	12 7.77	+ 6 27.8	2.116	3.071	6.0	21.9
3 12	12 0.31	+ 7 25.5	2.090	3.076	2.8	21.7
3 22	11 52.31	+ 8 20.0	2.094	3.081	3.1	21.8
4 1	11 44.58	+ 9 5.8	2.126	3.085	6.3	22.0
4 11	11 37.91	+ 9 38.8	2.186	3.089	9.6	22.2
4 21	11 32.87	+ 9 56.8	2.269	3.093	12.5	22.4

365195 2009 FC_{41} 3 18.9 61°.09 1°.8/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.30	+ 0 15.4	1.487	2.313	16.7	21.2
2 21	12 14.10	+ 1 19.1	1.415	2.318	12.8	20.9
3 2	12 8.30	+ 2 40.4	1.365	2.323	8.2	20.7
3 12	12 0.64	+ 4 11.9	1.340	2.328	3.4	20.4
3 22	11 52.16	+ 5 43.7	1.342	2.334	3.1	20.4
4 1	11 44.09	+ 7 5.4	1.370	2.339	7.8	20.7
4 11	11 37.56	+ 8 9.0	1.423	2.345	12.4	21.0
4 21	11 33.32	+ 8 50.2	1.498	2.350	16.3	21.2

500247 2012 JB_{56} 3 18.9 325°.42 2°.4/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.42	+ 4 18.3	1.526	2.358	16.1	21.6
2 21	12 15.09	+ 4 47.4	1.441	2.347	12.4	21.3
3 2	12 9.07	+ 5 27.9	1.378	2.337	8.0	21.0
3 12	12 1.03	+ 6 13.6	1.339	2.327	3.6	20.7
3 22	11 51.98	+ 6 57.1	1.327	2.317	3.6	20.7
4 1	11 43.18	+ 7 30.7	1.341	2.308	8.1	20.9
4 11	11 35.87	+ 7 48.6	1.378	2.300	12.7	21.2
4 21	11 30.90	+ 7 48.0	1.437	2.292	16.7	21.4

260867 2005 QR_{99} 3 18.9 33°.58 2°.0/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.40	− 7 25.7	1.549	2.348	17.4	20.4
2 21	12 13.35	− 7 6.7	1.473	2.354	13.8	20.2
3 2	12 7.79	− 6 25.8	1.418	2.361	9.6	20.0
3 12	12 0.43	− 5 26.2	1.386	2.368	4.9	19.7
3 22	11 52.26	− 4 14.2	1.381	2.375	2.1	19.5
4 1	11 44.47	− 2 58.4	1.403	2.383	6.0	19.8
4 11	11 38.16	− 1 47.9	1.449	2.391	10.5	20.1
4 21	11 34.05	− 0 49.9	1.519	2.400	14.5	20.3

453312 2008 VH_{30} 3 18.9 85°.66 4°.2/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.11	−11 43.3	1.463	2.242	19.2	21.5
2 21	12 16.42	−11 49.7	1.386	2.250	15.7	21.2
3 2	12 9.92	−11 30.6	1.329	2.257	11.5	21.0
3 12	12 1.36	−10 46.8	1.294	2.265	7.0	20.8
3 22	11 51.85	− 9 42.8	1.284	2.272	4.2	20.6
4 1	11 42.75	− 8 26.7	1.301	2.280	6.6	20.8
4 11	11 35.30	− 7 9.1	1.342	2.287	10.9	21.0
4 21	11 30.34	− 5 59.0	1.407	2.295	15.0	21.3

128920 2004 TV_{65} 3 18.9 63°.26 1°.4/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.00	+ 1 50.1	1.748	2.563	15.1	20.0
2 21	12 15.58	+ 2 25.2	1.689	2.586	11.5	19.8
3 2	12 8.93	+ 3 11.4	1.653	2.608	7.3	19.6
3 12	12 0.80	+ 4 3.0	1.643	2.631	3.0	19.4
3 22	11 52.15	+ 4 53.4	1.662	2.654	2.4	19.4
4 1	11 44.02	+ 5 36.0	1.708	2.677	6.5	19.7
4 11	11 37.33	+ 6 6.1	1.780	2.700	10.4	20.0
4 21	11 32.67	+ 6 21.2	1.875	2.722	13.7	20.2

166752 2002 UC_6 3 18.9 161.°85 1.°4/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.44	+ 1 20.4	2.450	3.254	11.6	20.5
2 21	12 11.67	+ 2 21.5	2.366	3.257	8.8	20.3
3 2	12 6.25	+ 3 33.2	2.307	3.260	5.6	20.1
3 12	11 59.68	+ 4 50.4	2.276	3.263	2.4	19.9
3 22	11 52.60	+ 6 7.3	2.275	3.266	2.3	19.9
4 1	11 45.73	+ 7 17.9	2.305	3.268	5.5	20.1
4 11	11 39.78	+ 8 17.1	2.362	3.270	8.7	20.3
4 21	11 35.26	+ 9 1.8	2.444	3.272	11.5	20.5

151062 2001 VP_{28} 3 18.9 208.°55 0.°8/19.9 18 R

2 11	12 19.40	− 4 29.2	2.295	3.075	13.1	20.9
2 21	12 14.91	− 4 7.0	2.196	3.069	10.3	20.7
3 2	12 8.50	− 3 30.9	2.120	3.062	6.9	20.5
3 12	12 0.67	− 2 43.6	2.072	3.055	3.2	20.2
3 22	11 52.16	− 1 49.5	2.053	3.048	1.2	20.1
4 1	11 43.80	− 0 53.9	2.063	3.040	4.9	20.3
4 11	11 36.43	− 0 2.7	2.102	3.031	8.6	20.5
4 21	11 30.68	+ 0 39.7	2.167	3.022	11.9	20.7

434816 2006 RH_{92} 3 18.9 194.°49 0.°6/19.8 17 R

2 11	12 15.62	− 4 32.5	2.755	3.532	11.2	22.1
2 21	12 11.67	− 4 3.1	2.658	3.530	8.7	22.0
3 2	12 6.20	− 3 21.9	2.586	3.527	5.9	21.8
3 12	11 59.66	− 2 31.4	2.541	3.525	2.7	21.5
3 22	11 52.61	− 1 35.6	2.527	3.522	1.0	21.4
4 1	11 45.73	− 0 39.1	2.543	3.519	4.1	21.6
4 11	11 39.63	+ 0 13.6	2.587	3.515	7.2	21.8
4 21	11 34.82	+ 0 58.4	2.658	3.511	10.0	22.0

208501 2001 WK_{17} 3 18.9 160.°61 1.°2/17.4 18

2 11	12 17.53	+ 3 9.1	2.860	3.657	10.3	21.6
2 21	12 12.99	+ 3 40.9	2.775	3.663	7.8	21.4
3 2	12 6.97	+ 4 19.4	2.716	3.668	5.0	21.2
3 12	11 59.95	+ 5 0.9	2.686	3.673	2.1	21.0
3 22	11 52.50	+ 5 41.6	2.687	3.678	1.9	21.0
4 1	11 45.25	+ 6 17.4	2.718	3.682	4.8	21.2
4 11	11 38.83	+ 6 45.0	2.777	3.685	7.6	21.4
4 21	11 33.68	+ 7 2.5	2.862	3.688	10.1	21.6

65573 3203 $T\text{-}_2$ 3 18.9 197.°23 2.°2/17.2 18

2 11	12 24.19	+ 4 11.7	1.781	2.593	15.0	19.6
2 21	12 19.09	+ 4 43.3	1.696	2.591	11.5	19.3
3 2	12 11.46	+ 5 24.8	1.634	2.588	7.5	19.1
3 12	12 1.97	+ 6 10.5	1.598	2.585	3.3	18.8
3 22	11 51.61	+ 6 53.9	1.591	2.581	3.2	18.8
4 1	11 41.55	+ 7 28.3	1.612	2.576	7.4	19.0
4 11	11 32.91	+ 7 48.7	1.659	2.571	11.5	19.3
4 21	11 26.47	+ 7 52.9	1.729	2.565	15.2	19.5

169237 2001 SF_{72} 3 18.9 135.°88 2.°4/15.6 17

2 11	12 17.20	+ 7 42.5	3.052	3.858	9.5	21.6
2 21	12 12.59	+ 8 30.5	2.980	3.873	7.2	21.4
3 2	12 6.64	+ 9 22.2	2.935	3.887	4.7	21.3
3 12	11 59.79	+10 13.6	2.919	3.901	2.6	21.2
3 22	11 52.59	+11 0.4	2.934	3.914	3.1	21.2
4 1	11 45.62	+11 38.8	2.980	3.927	5.3	21.4
4 11	11 39.46	+12 6.2	3.053	3.939	7.8	21.6
4 21	11 34.50	+12 21.4	3.152	3.951	9.9	21.7

148787 2001 UV_{32} 3 18.9 160.°94 2.°4/16.3 18

2 11	12 19.15	+ 4 28.9	2.215	3.025	12.5	20.6
2 21	12 14.66	+ 5 26.8	2.136	3.031	9.5	20.4
3 2	12 8.27	+ 6 33.6	2.082	3.037	6.1	20.2
3 12	12 0.55	+ 7 43.3	2.056	3.042	2.9	20.0
3 22	11 52.25	+ 8 49.7	2.060	3.046	3.3	20.0
4 1	11 44.24	+ 9 46.5	2.093	3.050	6.5	20.2
4 11	11 37.31	+10 29.2	2.153	3.053	9.9	20.4
4 21	11 32.06	+10 55.6	2.237	3.055	12.8	20.6

88717 2001 SL_{22} 3 18.9 263.°19 0.°8/19.6 18

2 11	12 22.62	− 3 0.0	1.566	2.369	17.1	19.9
2 21	12 18.47	− 2 56.4	1.466	2.353	13.5	19.6
3 2	12 11.44	− 2 36.0	1.388	2.336	9.2	19.3
3 12	12 2.11	− 2 1.4	1.333	2.319	4.2	18.9
3 22	11 51.51	− 1 17.8	1.306	2.301	1.6	18.7
4 1	11 40.98	− 0 32.0	1.305	2.283	6.8	19.0
4 11	11 31.89	+ 0 7.9	1.330	2.265	12.0	19.2
4 21	11 25.24	+ 0 36.0	1.377	2.247	16.5	19.4

418284 2008 ED_{132} 3 19.0 157.°03 1.°9/16.9 18

2 11	12 20.37	+ 3 22.5	2.164	2.970	12.9	21.4
2 21	12 15.63	+ 4 9.7	2.085	2.977	9.8	21.2
3 2	12 8.91	+ 5 6.1	2.030	2.984	6.3	21.0
3 12	12 0.82	+ 6 6.6	2.003	2.990	2.8	20.8
3 22	11 52.14	+ 7 5.0	2.006	2.995	2.8	20.8
4 1	11 43.77	+ 7 55.4	2.038	3.000	6.3	21.0
4 11	11 36.53	+ 8 33.1	2.098	3.004	9.8	21.2
4 21	11 31.03	+ 8 55.7	2.181	3.008	12.8	21.4

326708 2003 BN_{77} 3 19.0 27.°74 4.°3/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.78	+ 6 46.2	1.280	2.130	17.5	19.9
2 21	12 13.94	+ 7 46.8	1.226	2.142	13.2	19.7
3 2	12 8.25	+ 8 57.5	1.193	2.155	8.6	19.4
3 12	12 0.62	+10 8.4	1.184	2.169	4.7	19.3
3 22	11 52.25	+11 9.3	1.199	2.183	5.6	19.3
4 1	11 44.50	+11 51.4	1.240	2.199	9.7	19.6
4 11	11 38.55	+12 10.0	1.303	2.216	14.0	19.9
4 21	11 35.09	+12 4.6	1.385	2.233	17.6	20.2

249128 2007 YS_{23} 3 19.0 63.°13 3.°8/15.1 17

2 11	12 19.49	+10 40.0	2.187	3.009	12.2	20.6
2 21	12 14.94	+11 17.8	2.112	3.012	9.3	20.4
3 2	12 8.46	+11 58.4	2.062	3.015	6.3	20.3
3 12	12 0.63	+12 36.3	2.039	3.018	4.0	20.1
3 22	11 52.24	+13 5.8	2.045	3.021	4.6	20.2
4 1	11 44.18	+13 22.7	2.079	3.024	7.4	20.3
4 11	11 37.25	+13 24.2	2.139	3.027	10.5	20.5
4 21	11 32.03	+13 9.9	2.222	3.030	13.2	20.7

410269 2007 TB_{147} 3 19.0 224.°36 1.°5/17.6 17

2 11	12 23.90	+ 2 31.4	2.010	2.811	13.9	21.7
2 21	12 18.72	+ 3 2.3	1.910	2.799	10.7	21.4
3 2	12 11.19	+ 3 43.8	1.834	2.786	7.0	21.2
3 12	12 1.89	+ 4 31.5	1.785	2.772	3.0	20.9
3 22	11 51.67	+ 5 19.4	1.766	2.757	2.5	20.8
4 1	11 41.60	+ 6 1.3	1.776	2.742	6.6	21.0
4 11	11 32.70	+ 6 31.8	1.813	2.725	10.7	21.2
4 21	11 25.77	+ 6 47.9	1.874	2.708	14.3	21.4

166577 2002 RO_{134} 3 19.0 169.°23 3.°9/14.1 17

2 11	12 16.07	+ 9 20.1	2.314	3.138	11.6	20.0
2 21	12 12.29	+10 36.9	2.238	3.140	8.8	19.8
3 2	12 6.72	+11 59.1	2.188	3.141	5.9	19.7
3 12	11 59.91	+13 20.2	2.165	3.143	3.9	19.5
3 22	11 52.56	+14 33.4	2.172	3.144	4.9	19.6
4 1	11 45.45	+15 32.6	2.208	3.145	7.6	19.8
4 11	11 39.33	+16 13.9	2.269	3.145	10.5	19.9
4 21	11 34.75	+16 36.1	2.354	3.146	13.1	20.1

224395 2005 UJ_{235} 3 19.0 146.°32 0.°5/18.5 18

2 11	12 18.36	− 1 24.2	2.078	2.877	13.6	21.2
2 21	12 14.20	− 0 42.6	1.997	2.883	10.5	21.0
3 2	12 8.04	+ 0 12.4	1.939	2.889	6.8	20.8
3 12	12 0.49	+ 1 16.2	1.908	2.895	2.8	20.5
3 22	11 52.32	+ 2 22.9	1.906	2.900	1.5	20.4
4 1	11 44.45	+ 3 26.0	1.933	2.905	5.6	20.7
4 11	11 37.70	+ 4 19.5	1.988	2.910	9.4	20.9
4 21	11 32.70	+ 4 59.5	2.067	2.914	12.6	21.1

409772 2006 DJ_{189} 3 19.0 305.°92 0.°6/18.7 16

2 11	12 22.18	+ 1 11.7	1.365	2.191	18.0	21.6
2 21	12 18.49	+ 1 8.0	1.274	2.174	14.1	21.3
3 2	12 11.64	+ 1 17.4	1.202	2.158	9.3	21.0
3 12	12 2.27	+ 1 36.0	1.154	2.141	3.9	20.6
3 22	11 51.51	+ 1 58.2	1.131	2.126	2.1	20.4
4 1	11 40.88	+ 2 16.9	1.133	2.110	7.8	20.7
4 11	11 31.91	+ 2 25.6	1.160	2.095	13.3	21.0
4 21	11 25.68	+ 2 20.2	1.207	2.081	18.0	21.2

280041 2001 YJ_{149} 3 19.0 117.°00 1.°1/17.8 18

2 11	12 22.10	+ 1 56.2	2.202	3.000	13.0	21.4
2 21	12 16.80	+ 2 26.4	2.132	3.020	9.9	21.2
3 2	12 9.58	+ 3 5.5	2.087	3.039	6.3	21.0
3 12	12 1.08	+ 3 49.2	2.070	3.057	2.6	20.8
3 22	11 52.11	+ 4 32.3	2.082	3.075	2.0	20.8
4 1	11 43.52	+ 5 9.7	2.124	3.092	5.6	21.0
4 11	11 36.13	+ 5 37.4	2.194	3.108	9.0	21.3
4 21	11 30.47	+ 5 53.1	2.289	3.124	12.0	21.5

95341 2002 CP_{130} 3 19.0 256.°95 0.°8/19.8 18

2 11	12 17.67	− 4 13.8	1.956	2.749	14.5	19.9
2 21	12 13.91	− 3 53.3	1.864	2.745	11.4	19.6
3 2	12 8.01	− 3 17.1	1.795	2.741	7.7	19.4
3 12	12 0.54	− 2 28.5	1.752	2.736	3.5	19.1
3 22	11 52.30	− 1 32.4	1.736	2.732	1.3	19.0
4 1	11 44.27	− 0 35.1	1.749	2.727	5.4	19.2
4 11	11 37.40	+ 0 16.7	1.789	2.722	9.5	19.5
4 21	11 32.35	+ 0 58.0	1.853	2.718	13.1	19.7

267203 2000 SX_{132} 3 19.0 264.°90 6.°0/24.1 17

2 11	12 21.77	−16 6.5	2.072	2.799	15.9	20.7
2 21	12 17.30	−16 50.8	1.959	2.781	13.5	20.5
3 2	12 10.43	−17 16.6	1.867	2.762	10.7	20.2
3 12	12 1.66	−17 21.8	1.798	2.744	7.9	20.0
3 22	11 51.79	−17 6.2	1.756	2.725	6.1	19.9
4 1	11 41.87	−16 32.3	1.741	2.705	6.9	19.9
4 11	11 33.00	−15 45.9	1.753	2.686	9.7	20.0
4 21	11 26.06	−14 54.3	1.790	2.666	13.0	20.2