232600 2003 UC_{54} 2 12.9 37°.14 1°.1/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 9.33	+11 8.7	1.608	2.449	14.8	19.4
1 22	10 3.15	+10 50.8	1.554	2.467	10.8	19.2
2 1	9 54.73	+10 42.8	1.524	2.486	6.2	19.0
2 11	9 45.05	+10 41.5	1.520	2.505	1.7	18.7
2 21	9 35.33	+10 43.1	1.544	2.525	3.7	18.9
3 2	9 26.75	+10 44.1	1.596	2.545	8.2	19.2
3 12	9 20.27	+10 41.5	1.673	2.566	12.1	19.5
3 22	9 16.39	+10 33.4	1.772	2.587	15.4	19.8

16923 1998 FB_{61} 2 12.9 146°.08 0°.0/12.9 18 R

1 12	10 3.97	+12 2.8	2.820	3.647	9.5	19.1
1 22	9 58.69	+12 30.6	2.746	3.655	6.9	18.9
2 1	9 52.05	+13 4.8	2.700	3.662	3.8	18.7
2 11	9 44.61	+13 42.2	2.683	3.669	0.6	18.5
2 21	9 37.02	+14 19.2	2.698	3.676	2.6	18.7
3 2	9 29.96	+14 52.5	2.743	3.683	5.7	18.9
3 12	9 24.03	+15 19.5	2.816	3.689	8.4	19.1
3 22	9 19.67	+15 38.7	2.913	3.694	10.8	19.2

455233 2001 SB_{137} 2 12.9 143°.01 0°.2/12.8 18

1 12	10 11.49	+12 8.0	1.876	2.708	13.4	22.7
1 22	10 4.59	+12 41.5	1.811	2.721	9.6	22.5
2 1	9 55.54	+13 24.6	1.771	2.734	5.4	22.3
2 11	9 45.21	+14 11.8	1.760	2.746	0.9	22.0
2 21	9 34.68	+14 57.4	1.779	2.757	3.7	22.2
3 2	9 25.11	+15 36.1	1.827	2.767	8.0	22.5
3 12	9 17.43	+16 4.4	1.902	2.776	11.8	22.7
3 22	9 12.23	+16 21.0	1.999	2.785	14.9	23.0

227455 2005 WO_{99} 2 12.9 66°.91 1°.4/14.1 18

1 12	10 5.88	+ 7 51.7	1.799	2.630	13.9	20.5
1 22	10 0.67	+ 8 11.7	1.729	2.636	10.2	20.3
2 1	9 53.39	+ 8 45.5	1.684	2.643	6.1	20.0
2 11	9 44.86	+ 9 29.1	1.666	2.650	2.0	19.8
2 21	9 36.07	+10 17.2	1.676	2.657	3.5	19.9
3 2	9 28.12	+11 3.9	1.715	2.663	7.7	20.1
3 12	9 21.94	+11 44.3	1.779	2.670	11.6	20.4
3 22	9 18.10	+12 15.0	1.865	2.677	14.9	20.6

317025 2001 QP_{227} 2 12.9 217°.54 2°.4/14.6 16

1 12	10 9.70	+ 6 35.6	2.057	2.871	13.1	21.0
1 22	10 3.31	+ 6 22.2	1.969	2.865	9.9	20.8
2 1	9 54.87	+ 6 20.4	1.906	2.858	6.2	20.6
2 11	9 45.12	+ 6 28.3	1.871	2.851	2.8	20.3
2 21	9 34.98	+ 6 43.0	1.866	2.844	3.7	20.4
3 2	9 25.53	+ 7 0.8	1.891	2.836	7.3	20.6
3 12	9 17.70	+ 7 17.9	1.942	2.828	11.0	20.8
3 22	9 12.12	+ 7 31.2	2.017	2.819	14.2	21.0

33917 Kellyoconnor 2 12.9 88°.29 4°.5/16.2 18

1 12	10 7.44	+ 0 19.9	1.499	2.311	17.1	18.6
1 22	10 2.06	+ 0 31.0	1.436	2.324	13.3	18.4
2 1	9 54.27	+ 1 6.2	1.394	2.337	9.0	18.2
2 11	9 45.02	+ 2 2.5	1.377	2.350	5.2	18.0
2 21	9 35.51	+ 3 13.7	1.387	2.363	5.1	18.0
3 2	9 27.03	+ 4 31.4	1.425	2.375	8.7	18.2
3 12	9 20.66	+ 5 46.8	1.487	2.388	12.8	18.5
3 22	9 17.01	+ 6 53.5	1.571	2.400	16.4	18.8

146484 2001 RX_{136} 2 12.9 120°.90 7°.5/ 7.9 18

1 12	10 14.30	+32 53.8	1.798	2.645	13.2	19.7
1 22	10 6.96	+33 48.5	1.743	2.648	10.3	19.5
2 1	9 56.98	+34 33.3	1.712	2.651	8.0	19.3
2 11	9 45.46	+34 59.3	1.708	2.654	7.6	19.3
2 21	9 33.81	+35 1.0	1.732	2.657	9.3	19.4
3 2	9 23.44	+34 36.8	1.781	2.660	12.1	19.6
3 12	9 15.49	+33 49.6	1.853	2.662	14.9	19.8
3 22	9 10.53	+32 44.3	1.944	2.665	17.4	20.0

340739 2006 SL_{194} 2 12.9 190°.95 1°.5/11.5 17

1 12	10 5.66	+17 48.5	2.607	3.447	9.8	21.2
1 22	10 0.05	+18 15.9	2.530	3.446	7.0	21.0
2 1	9 52.88	+18 46.3	2.480	3.445	3.9	20.8
2 11	9 44.77	+19 15.9	2.460	3.444	1.5	20.6
2 21	9 36.47	+19 40.7	2.470	3.442	3.6	20.8
3 2	9 28.76	+19 57.7	2.511	3.440	6.7	21.0
3 12	9 22.33	+20 5.2	2.578	3.438	9.6	21.2
3 22	9 17.68	+20 2.7	2.669	3.436	12.0	21.3

264754 2002 DU_{9} 2 12.9 5°.28 11°.1/ 3.2 18

1 12	10 4.26	+34 35.2	1.295	2.169	15.4	19.1
1 22	10 0.67	+37 1.5	1.255	2.169	12.7	18.9
2 1	9 53.85	+39 15.6	1.239	2.170	11.2	18.8
2 11	9 44.97	+41 1.8	1.246	2.173	11.8	18.9
2 21	9 35.68	+42 9.2	1.276	2.177	14.1	19.0
3 2	9 27.80	+42 34.0	1.327	2.181	17.0	19.2
3 12	9 22.74	+42 19.5	1.395	2.188	19.8	19.4
3 22	9 21.19	+41 32.8	1.478	2.195	22.2	19.6

119396 2001 TJ_{40} 2 12.9 95°.66 11°.1/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 7.57	−17 0.1	1.970	2.663	17.5	19.0
1 22	10 1.94	−18 17.5	1.894	2.668	15.5	18.9
2 1	9 54.19	−19 7.8	1.836	2.672	13.5	18.7
2 11	9 45.03	−19 26.9	1.801	2.677	11.9	18.6
2 21	9 35.47	−19 14.0	1.789	2.681	11.2	18.6
3 2	9 26.59	−18 32.1	1.802	2.686	11.7	18.6
3 12	9 19.39	−17 28.0	1.838	2.690	13.2	18.7
3 22	9 14.54	−16 10.6	1.896	2.695	15.1	18.9

122133 2000 JW_{34} 2 12.9 189°.68 1°.6/14.2 18

1 12	10 9.57	+ 7 16.9	1.915	2.735	13.6	20.6
1 22	10 3.33	+ 7 37.5	1.833	2.734	10.1	20.4
2 1	9 54.94	+ 8 12.2	1.776	2.733	6.1	20.1
2 11	9 45.16	+ 8 57.0	1.747	2.731	2.1	19.8
2 21	9 35.01	+ 9 47.0	1.748	2.728	3.5	19.9
3 2	9 25.61	+10 36.3	1.778	2.724	7.7	20.2
3 12	9 17.96	+11 20.0	1.835	2.719	11.6	20.4
3 22	9 12.69	+11 54.5	1.914	2.714	15.0	20.6

207589 2006 QQ_{54} 2 12.9 155°.95 0°.3/13.3 18

1 12	10 2.82	+ 9 39.8	2.524	3.350	10.5	20.6
1 22	9 58.06	+10 27.6	2.446	3.353	7.6	20.4
2 1	9 51.80	+11 25.4	2.395	3.356	4.4	20.2
2 11	9 44.62	+12 29.0	2.373	3.359	0.9	19.9
2 21	9 37.23	+13 33.6	2.382	3.362	2.8	20.1
3 2	9 30.37	+14 34.5	2.422	3.364	6.2	20.3
3 12	9 24.73	+15 27.5	2.489	3.366	9.2	20.5
3 22	9 20.77	+16 10.2	2.580	3.368	11.9	20.7

384204 2009 BS_{172} 2 12.9 247°.43 0°.3/12.8 17

1 12	10 5.72	+13 41.4	2.417	3.251	10.7	20.8
1 22	10 0.21	+13 55.1	2.334	3.246	7.7	20.6
2 1	9 53.04	+14 14.8	2.277	3.241	4.3	20.4
2 11	9 44.84	+14 37.0	2.250	3.236	0.7	20.1
2 21	9 36.40	+14 58.2	2.252	3.231	3.1	20.3
3 2	9 28.54	+15 15.1	2.285	3.225	6.6	20.5
3 12	9 22.04	+15 25.2	2.345	3.220	9.8	20.7
3 22	9 17.40	+15 27.2	2.428	3.215	12.6	20.9

467524 2007 HY_{83} 2 12.9 161°.87 0°.4/12.6 18

1 12	10 4.23	+11 6.0	2.404	3.234	10.8	21.4
1 22	9 59.15	+12 11.2	2.328	3.239	7.8	21.2
2 1	9 52.44	+13 26.4	2.279	3.243	4.3	21.0
2 11	9 44.74	+14 46.5	2.260	3.247	0.7	20.8
2 21	9 36.79	+16 5.5	2.273	3.250	3.2	21.0
3 2	9 29.41	+17 17.9	2.315	3.253	6.7	21.2
3 12	9 23.34	+18 19.4	2.386	3.255	9.9	21.4
3 22	9 19.08	+19 7.9	2.480	3.258	12.6	21.6

369297 2009 SW_{20} 2 12.9 205°.73 0°.1/13.1 13 C

1 12	10 6.24	+10 39.5	2.422	3.247	11.0	22.4
1 22	10 0.63	+11 20.4	2.334	3.241	8.0	22.2
2 1	9 53.31	+12 11.0	2.273	3.234	4.5	21.9
2 11	9 44.90	+13 7.2	2.241	3.227	0.8	21.6
2 21	9 36.17	+14 4.2	2.240	3.219	3.0	21.8
3 2	9 27.97	+14 57.1	2.270	3.211	6.6	22.0
3 12	9 21.10	+15 41.9	2.328	3.201	10.0	22.2
3 22	9 16.09	+16 16.5	2.409	3.191	12.8	22.4

455195 2000 SR_{178} 2 13.0 155°.23 3°.8/17.3 17

1 12	10 5.51	− 2 59.3	2.941	3.699	10.9	23.2
1 22	9 59.74	− 2 49.9	2.859	3.711	8.7	23.0
2 1	9 52.65	− 2 25.8	2.802	3.721	6.3	22.9
2 11	9 44.77	− 1 48.4	2.774	3.731	4.3	22.8
2 21	9 36.72	− 1 0.3	2.777	3.740	4.0	22.7
3 2	9 29.16	− 0 5.2	2.810	3.748	5.7	22.9
3 12	9 22.69	+ 0 52.5	2.873	3.755	8.0	23.0
3 22	9 17.73	+ 1 48.8	2.962	3.762	10.2	23.2

349047 2006 VJ_{142} 2 13.0 215°.83 4°.3/17.8 17

1 12	10 2.72	− 4 12.7	2.924	3.681	11.0	21.8
1 22	9 57.86	− 4 14.9	2.827	3.675	8.9	21.7
2 1	9 51.66	− 4 2.0	2.754	3.667	6.7	21.5
2 11	9 44.62	− 3 34.7	2.709	3.660	4.8	21.4
2 21	9 37.32	− 2 54.8	2.693	3.652	4.4	21.4
3 2	9 30.42	− 2 5.8	2.708	3.644	6.0	21.4
3 12	9 24.52	− 1 11.8	2.750	3.635	8.2	21.6
3 22	9 20.08	− 0 17.2	2.818	3.626	10.5	21.7

367802 2011 AT_{29} 2 13.0 99°.32 2°.2/11.5 18

1 12	10 9.40	+18 17.8	1.845	2.693	12.8	21.4
1 22	10 3.18	+18 49.0	1.782	2.702	9.1	21.2
2 1	9 54.80	+19 24.1	1.744	2.710	5.2	21.0
2 11	9 45.15	+19 56.9	1.735	2.718	2.2	20.8
2 21	9 35.32	+20 22.1	1.754	2.726	4.8	21.0
3 2	9 26.45	+20 35.8	1.802	2.734	8.7	21.3
3 12	9 19.51	+20 36.4	1.875	2.742	12.3	21.5
3 22	9 15.05	+20 24.2	1.969	2.750	15.3	21.7

245882 2006 QJ_{36} 2 13.0 150°.62 5°.4/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 4.54	− 6 21.0	2.687	3.433	12.1	21.2
1 22	9 59.20	− 6 44.0	2.604	3.439	10.0	21.0
2 1	9 52.42	− 6 50.5	2.544	3.444	7.7	20.9
2 11	9 44.75	− 6 40.3	2.510	3.449	5.9	20.8
2 21	9 36.86	− 6 14.9	2.506	3.454	5.5	20.7
3 2	9 29.48	− 5 37.5	2.531	3.458	6.8	20.8
3 12	9 23.25	− 4 52.5	2.583	3.462	8.9	21.0
3 22	9 18.64	− 4 4.6	2.660	3.466	11.1	21.1

165072 2000 FB_{27} 2 13.0 210°.26 2°.7/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.99	+ 2 3.9	2.410	3.209	11.8	19.6
1 22	9 58.27	+ 2 29.9	2.322	3.206	9.1	19.4
2 1	9 51.98	+ 3 11.4	2.259	3.203	6.0	19.2
2 11	9 44.69	+ 4 5.7	2.224	3.199	3.2	19.0
2 21	9 37.13	+ 5 8.9	2.219	3.196	3.3	19.0
3 2	9 30.08	+ 6 15.8	2.244	3.192	6.2	19.2
3 12	9 24.26	+ 7 21.1	2.297	3.188	9.3	19.3
3 22	9 20.20	+ 8 20.5	2.374	3.184	12.1	19.5

381286 2007 TS_{420} 2 13.0 70°.24 6°.1/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.67	+29 29.7	2.159	3.013	11.0	20.2
1 22	10 0.48	+31 15.2	2.114	3.026	8.4	20.0
2 1	9 53.29	+32 55.6	2.096	3.039	6.5	19.9
2 11	9 44.91	+34 22.5	2.107	3.053	6.4	19.9
2 21	9 36.31	+35 29.2	2.146	3.066	8.1	20.1
3 2	9 28.53	+36 12.1	2.212	3.079	10.6	20.2
3 12	9 22.46	+36 31.4	2.301	3.092	12.9	20.4
3 22	9 18.65	+36 29.4	2.409	3.106	15.0	20.6

219346 2000 QW_{155} 2 13.0 96°.00 3°.1/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.30	+ 4 17.7	1.971	2.779	13.8	20.4
1 22	10 2.89	+ 4 4.0	1.907	2.797	10.4	20.2
2 1	9 54.56	+ 4 4.4	1.867	2.814	6.8	20.0
2 11	9 45.12	+ 4 17.0	1.855	2.831	3.6	19.8
2 21	9 35.55	+ 4 38.3	1.872	2.848	4.0	19.9
3 2	9 26.85	+ 5 4.4	1.918	2.864	7.2	20.1
3 12	9 19.87	+ 5 30.6	1.991	2.880	10.6	20.4
3 22	9 15.12	+ 5 53.4	2.087	2.896	13.6	20.6

361193 2006 QW_{184} 2 13.0 211°.02 5°.0/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.67	+27 7.7	2.216	3.060	11.1	22.4
1 22	10 4.82	+28 11.6	2.141	3.052	8.3	22.3
2 1	9 55.79	+29 13.0	2.092	3.044	5.8	22.1
2 11	9 45.36	+30 4.5	2.073	3.034	5.1	22.0
2 21	9 34.57	+30 39.9	2.084	3.024	7.0	22.1
3 2	9 24.56	+30 55.9	2.122	3.013	9.8	22.3
3 12	9 16.31	+30 52.1	2.186	3.002	12.7	22.4
3 22	9 10.47	+30 30.7	2.271	2.989	15.2	22.6

171532 1999 JB_{134} 2 13.0 307°.13 5°.6/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.06	+28 16.0	2.044	2.898	11.5	19.6
1 22	10 1.68	+29 15.9	1.968	2.884	8.7	19.4
2 1	9 54.09	+30 12.6	1.918	2.869	6.3	19.2
2 11	9 45.08	+30 58.5	1.895	2.854	5.7	19.1
2 21	9 35.69	+31 27.4	1.901	2.840	7.6	19.2
3 2	9 27.08	+31 35.7	1.932	2.826	10.5	19.4
3 12	9 20.26	+31 23.2	1.988	2.812	13.5	19.5
3 22	9 15.88	+30 52.0	2.063	2.798	16.1	19.7

40503 1999 RA_{83} 2 13.0 189°.79 0°.0/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.22	+11 44.0	2.047	2.877	12.5	19.9
1 22	10 3.00	+12 13.9	1.967	2.877	9.1	19.7
2 1	9 54.74	+12 53.5	1.912	2.875	5.1	19.4
2 11	9 45.19	+13 38.2	1.887	2.873	0.9	19.1
2 21	9 35.32	+14 22.6	1.891	2.870	3.5	19.3
3 2	9 26.17	+15 1.8	1.925	2.866	7.6	19.6
3 12	9 18.68	+15 32.1	1.986	2.862	11.3	19.8
3 22	9 13.44	+15 51.5	2.070	2.857	14.4	20.0

6490 1991 NR_{2} 2 13.0 207°.77 4°.2/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.44	− 2 50.3	2.952	3.708	10.9	20.5
1 22	10 1.25	− 3 5.2	2.850	3.699	8.8	20.3
2 1	9 53.59	− 3 6.5	2.774	3.690	6.5	20.1
2 11	9 44.99	− 2 54.5	2.727	3.680	4.6	20.0
2 21	9 36.09	− 2 30.8	2.710	3.669	4.4	20.0
3 2	9 27.58	− 1 58.2	2.724	3.657	6.1	20.1
3 12	9 20.14	− 1 20.4	2.768	3.644	8.4	20.2
3 22	9 14.25	− 0 41.3	2.837	3.631	10.8	20.3

69795 1998 RA_{3} 2 13.0 78°.26 0°.6/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.20	+ 9 52.7	2.000	2.833	12.6	19.4
1 22	10 0.05	+10 21.6	1.931	2.841	9.2	19.2
2 1	9 53.04	+11 1.5	1.886	2.848	5.3	19.0
2 11	9 44.90	+11 48.2	1.870	2.856	1.2	18.7
2 21	9 36.54	+12 36.5	1.883	2.863	3.2	18.9
3 2	9 28.94	+13 21.3	1.925	2.871	7.2	19.1
3 12	9 22.93	+13 58.2	1.993	2.878	10.8	19.4
3 22	9 19.04	+14 25.0	2.084	2.886	13.8	19.6

81775 2000 JV_{70} 2 13.0 55°.66 5°.1/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 4.58	− 2 24.4	2.055	2.840	14.1	18.9
1 22	9 59.58	− 2 40.2	1.979	2.846	11.3	18.8
2 1	9 52.77	− 2 37.1	1.927	2.852	8.3	18.6
2 11	9 44.86	− 2 15.8	1.900	2.859	5.7	18.4
2 21	9 36.69	− 1 39.0	1.901	2.865	5.3	18.4
3 2	9 29.20	− 0 51.4	1.930	2.872	7.5	18.6
3 12	9 23.21	+ 0 1.1	1.986	2.879	10.4	18.7
3 22	9 19.26	+ 0 53.0	2.064	2.886	13.3	18.9

503203 2015 HT_{20} 2 13.0 308°.14 1°.9/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.53	+ 5 29.8	2.231	3.050	12.0	21.1
1 22	9 58.08	+ 5 53.3	2.145	3.043	9.0	20.9
2 1	9 51.94	+ 6 30.6	2.083	3.036	5.6	20.7
2 11	9 44.73	+ 7 18.8	2.048	3.030	2.4	20.4
2 21	9 37.22	+ 8 13.5	2.044	3.023	3.1	20.5
3 2	9 30.25	+ 9 9.6	2.068	3.017	6.6	20.7
3 12	9 24.61	+10 2.2	2.119	3.011	10.0	20.9
3 22	9 20.84	+10 47.3	2.194	3.005	13.0	21.1

496688 2016 EL_{23} 2 13.0 200°.18 3°.3/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.25	+ 1 46.1	2.419	3.210	12.0	21.7
1 22	10 0.62	+ 1 43.3	2.329	3.207	9.3	21.5
2 1	9 53.32	+ 1 54.6	2.264	3.203	6.4	21.3
2 11	9 44.97	+ 2 18.3	2.228	3.199	3.8	21.1
2 21	9 36.32	+ 2 51.9	2.221	3.194	3.8	21.1
3 2	9 28.20	+ 3 31.3	2.244	3.189	6.5	21.3
3 12	9 21.39	+ 4 12.2	2.296	3.183	9.5	21.4
3 22	9 16.40	+ 4 50.5	2.371	3.177	12.3	21.6

461525 2003 SW_{290} 2 13.0 135°.51 1°.3/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.36	+15 8.0	1.942	2.781	12.7	22.1
1 22	10 3.78	+15 47.6	1.879	2.794	9.1	21.9
2 1	9 55.14	+16 33.8	1.842	2.807	5.0	21.7
2 11	9 45.27	+17 20.9	1.833	2.819	1.3	21.5
2 21	9 35.23	+18 3.0	1.855	2.830	4.1	21.7
3 2	9 26.11	+18 35.6	1.905	2.840	8.1	21.9
3 12	9 18.82	+18 56.0	1.982	2.850	11.7	22.2
3 22	9 13.90	+19 3.7	2.081	2.860	14.6	22.4

134335 4112 $T\text{-}_{3}$ 2 13.0 102°.66 0°.2/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.19	+10 1.8	2.058	2.888	12.4	20.9
1 22	10 0.67	+10 47.5	1.996	2.906	9.0	20.7
2 1	9 53.34	+11 44.2	1.960	2.922	5.1	20.5
2 11	9 44.96	+12 46.6	1.953	2.939	1.0	20.2
2 21	9 36.44	+13 48.9	1.976	2.955	3.2	20.5
3 2	9 28.70	+14 45.6	2.028	2.971	7.1	20.7
3 12	9 22.55	+15 32.6	2.107	2.987	10.6	21.0
3 22	9 18.48	+16 7.7	2.209	3.002	13.5	21.2

463703 2014 PL_{65} 2 13.0 57°.33 0°.5/12.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.19	+ 5 27.2	1.443	2.275	16.6	20.4
1 22	10 2.54	+ 8 8.1	1.402	2.312	11.9	20.2
2 1	9 54.52	+11 10.5	1.386	2.350	6.5	20.0
2 11	9 45.17	+14 19.8	1.401	2.387	1.0	19.7
2 21	9 35.76	+17 19.9	1.447	2.425	4.6	20.0
3 2	9 27.57	+19 57.3	1.524	2.462	9.5	20.4
3 12	9 21.61	+22 4.6	1.626	2.498	13.6	20.7
3 22	9 18.38	+23 40.3	1.751	2.535	16.8	21.0

116451 2004 AL_{1} 2 13.0 21°.36 0°.7/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.74	+13 19.1	1.405	2.267	15.3	18.7
1 22	9 59.50	+13 51.9	1.355	2.281	10.9	18.4
2 1	9 52.89	+14 35.6	1.328	2.296	6.0	18.2
2 11	9 44.90	+15 23.5	1.326	2.313	1.1	17.9
2 21	9 36.78	+16 8.1	1.351	2.330	4.4	18.2
3 2	9 29.80	+16 43.5	1.402	2.349	9.2	18.5
3 12	9 24.96	+17 5.7	1.476	2.369	13.4	18.8
3 22	9 22.80	+17 13.5	1.570	2.390	16.8	19.1

56167 1999 EU_{11} 2 13.0 239°.19 11°.6/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.14	+48 19.2	2.089	2.886	13.5	19.6
1 22	10 13.04	+49 36.8	2.036	2.876	12.2	19.5
2 1	10 0.64	+50 33.6	2.006	2.865	11.6	19.4
2 11	9 46.24	+50 59.6	2.001	2.854	11.9	19.4
2 21	9 31.59	+50 49.3	2.020	2.842	13.1	19.5
3 2	9 18.56	+50 2.8	2.061	2.831	14.9	19.6
3 12	9 8.55	+48 45.5	2.122	2.818	16.7	19.7
3 22	9 2.20	+47 5.3	2.199	2.806	18.3	19.8

182382 2001 QT_{240} 2 13.0 175°.86 0°.8/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.66	+ 8 35.5	2.260	3.081	11.8	21.5
1 22	10 0.99	+ 9 10.9	2.181	3.084	8.6	21.3
2 1	9 53.56	+ 9 57.7	2.127	3.086	5.1	21.1
2 11	9 45.02	+10 52.0	2.102	3.087	1.3	20.8
2 21	9 36.22	+11 48.7	2.108	3.088	3.0	21.0
3 2	9 28.05	+12 42.9	2.144	3.088	6.7	21.2
3 12	9 21.31	+13 30.1	2.208	3.088	10.1	21.4
3 22	9 16.54	+14 7.7	2.295	3.087	13.1	21.6

211199 2002 NL_7 2 13.0 234°.77 2°.4/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 8.64	+17 24.4	1.954	2.800	12.3	20.7
1 22	10 2.84	+18 22.4	1.869	2.787	8.9	20.5
2 1	9 54.80	+19 27.3	1.809	2.775	5.0	20.2
2 11	9 45.26	+20 32.5	1.779	2.761	2.4	20.0
2 21	9 35.25	+21 30.8	1.777	2.747	5.0	20.2
3 2	9 25.91	+22 16.4	1.805	2.732	9.0	20.4
3 12	9 18.31	+22 45.9	1.858	2.717	12.8	20.6
3 22	9 13.13	+22 59.0	1.932	2.701	15.9	20.8

381913 2010 CC_{41} 2 13.0 304°.77 1°.6/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.15	+15 22.9	2.189	3.036	11.1	20.5
1 22	9 58.60	+16 23.9	2.111	3.030	7.9	20.3
2 1	9 52.28	+17 32.5	2.059	3.025	4.4	20.1
2 11	9 44.82	+18 43.0	2.036	3.020	1.6	19.9
2 21	9 37.05	+19 49.2	2.043	3.016	4.1	20.0
3 2	9 29.88	+20 45.6	2.079	3.011	7.7	20.2
3 12	9 24.14	+21 28.8	2.140	3.006	11.0	20.4
3 22	9 20.38	+21 57.1	2.224	3.002	13.9	20.6

293479 2007 FE_{10} 2 13.0 209°.50 2°.8/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.43	+ 4 21.3	1.794	2.607	14.7	21.5
1 22	10 3.45	+ 4 31.3	1.708	2.602	11.2	21.2
2 1	9 55.15	+ 4 58.6	1.645	2.596	7.2	21.0
2 11	9 45.34	+ 5 40.4	1.610	2.589	3.4	20.7
2 21	9 35.05	+ 6 31.9	1.603	2.582	4.0	20.8
3 2	9 25.50	+ 7 26.9	1.625	2.573	8.1	21.0
3 12	9 17.76	+ 8 19.3	1.674	2.565	12.2	21.2
3 22	9 12.53	+ 9 4.1	1.744	2.555	15.8	21.4

503224 2015 HL_{64} 2 13.0 338°.96 5°.8/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.63	− 4 2.2	1.916	2.702	14.9	20.7
1 22	9 57.70	− 4 11.7	1.828	2.693	12.2	20.5
2 1	9 51.86	− 3 59.2	1.762	2.684	9.1	20.3
2 11	9 44.77	− 3 24.7	1.720	2.676	6.5	20.1
2 21	9 37.28	− 2 31.3	1.705	2.669	6.0	20.1
3 2	9 30.40	− 1 24.2	1.718	2.662	8.1	20.2
3 12	9 25.02	− 0 10.8	1.756	2.656	11.2	20.3
3 22	9 21.76	+ 1 1.9	1.817	2.650	14.3	20.5

182579 2001 TK_{176} 2 13.0 183°.99 0°.3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.31	+10 49.6	2.082	2.913	12.3	21.5
1 22	10 1.60	+11 19.1	2.004	2.913	8.9	21.3
2 1	9 53.96	+11 58.8	1.951	2.913	5.1	21.1
2 11	9 45.12	+12 44.3	1.927	2.913	1.0	20.8
2 21	9 35.98	+13 30.6	1.932	2.912	3.3	21.0
3 2	9 27.54	+14 12.8	1.967	2.910	7.3	21.2
3 12	9 20.68	+14 46.8	2.029	2.909	10.9	21.4
3 22	9 15.96	+15 10.5	2.113	2.906	14.0	21.6

124899 2001 TH_{51} 2 13.0 48°.09 2°.7/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.11	+16 28.4	1.175	2.044	17.1	19.4
1 22	10 3.77	+17 25.1	1.130	2.059	12.2	19.2
2 1	9 55.44	+18 30.8	1.106	2.075	6.8	18.9
2 11	9 45.36	+19 35.3	1.108	2.092	2.7	18.7
2 21	9 35.16	+20 28.7	1.134	2.109	6.2	19.0
3 2	9 26.46	+21 4.1	1.186	2.126	11.3	19.3
3 12	9 20.52	+21 18.9	1.260	2.144	15.8	19.6
3 22	9 17.88	+21 14.2	1.351	2.162	19.5	19.9

185887 2000 QR_{158} 2 13.0 198°.76 4°.0/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.71	− 0 19.1	2.166	2.955	13.3	20.3
1 22	10 0.41	− 0 16.5	2.079	2.953	10.5	20.1
2 1	9 53.29	+ 0 3.6	2.016	2.950	7.3	19.9
2 11	9 45.01	+ 0 39.8	1.980	2.947	4.6	19.7
2 21	9 36.40	+ 1 28.7	1.973	2.944	4.4	19.7
3 2	9 28.38	+ 2 25.5	1.995	2.940	7.1	19.9
3 12	9 21.79	+ 3 24.3	2.045	2.936	10.3	20.0
3 22	9 17.21	+ 4 19.9	2.118	2.932	13.2	20.2

521125 2015 DR_{247} 2 13.0 290°.21 3°.5/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.17	− 0 14.3	2.305	3.098	12.5	21.6
1 22	9 57.78	+ 0 5.2	2.217	3.094	9.8	21.4
2 1	9 51.77	+ 0 42.0	2.154	3.090	6.8	21.2
2 11	9 44.74	+ 1 34.2	2.117	3.087	4.1	21.0
2 21	9 37.43	+ 2 38.0	2.110	3.083	3.9	21.0
3 2	9 30.64	+ 3 48.1	2.132	3.080	6.5	21.2
3 12	9 25.12	+ 4 58.6	2.181	3.076	9.6	21.4
3 22	9 21.40	+ 6 4.4	2.255	3.073	12.4	21.5

217063 2001 RF_{134} 2 13.0 190°.01 2°.0/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.56	+ 3 49.5	2.306	3.111	12.1	21.3
1 22	10 0.21	+ 4 30.4	2.219	3.110	9.2	21.1
2 1	9 53.14	+ 5 26.9	2.158	3.108	5.8	20.9
2 11	9 44.98	+ 6 35.4	2.126	3.106	2.6	20.7
2 21	9 36.51	+ 7 51.0	2.124	3.103	3.1	20.7
3 2	9 28.60	+ 9 7.7	2.152	3.099	6.5	20.9
3 12	9 22.03	+10 19.7	2.209	3.095	9.9	21.1
3 22	9 17.35	+11 23.0	2.290	3.090	12.8	21.3

264444 2000 SP_{320} 2 13.0 20°.16 1°.9/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 5.89	+15 59.0	1.709	2.563	13.4	21.3
1 22	10 0.91	+16 49.4	1.642	2.565	9.6	21.1
2 1	9 53.69	+17 47.8	1.600	2.567	5.3	20.8
2 11	9 45.08	+18 47.1	1.585	2.569	1.9	20.6
2 21	9 36.18	+19 40.3	1.598	2.572	4.8	20.8
3 2	9 28.16	+20 21.5	1.638	2.575	9.1	21.0
3 12	9 22.05	+20 47.3	1.703	2.578	12.9	21.3
3 22	9 18.45	+20 57.2	1.789	2.581	16.2	21.5

276552 2003 SR_{135} 2 13.0 94°.55 0°.8/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.87	+ 8 43.5	2.082	2.911	12.4	20.8
1 22	9 59.76	+ 9 20.5	2.015	2.922	9.0	20.6
2 1	9 52.87	+10 9.4	1.972	2.933	5.2	20.3
2 11	9 44.93	+11 5.8	1.958	2.943	1.3	20.1
2 21	9 36.79	+12 4.3	1.974	2.954	3.1	20.2
3 2	9 29.38	+12 59.4	2.019	2.965	6.9	20.5
3 12	9 23.48	+13 46.6	2.090	2.975	10.4	20.7
3 22	9 19.61	+14 23.3	2.185	2.985	13.3	20.9

379349 2009 WL_{125} 2 13.0 186°.53 1°.8/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.01	+ 5 49.5	2.371	3.181	11.7	22.1
1 22	10 0.47	+ 6 6.5	2.286	3.180	8.7	21.9
2 1	9 53.26	+ 6 35.7	2.228	3.180	5.4	21.7
2 11	9 45.00	+ 7 14.4	2.198	3.179	2.3	21.5
2 21	9 36.48	+ 7 58.7	2.198	3.177	3.0	21.5
3 2	9 28.52	+ 8 44.3	2.228	3.175	6.3	21.7
3 12	9 21.90	+ 9 26.8	2.286	3.172	9.6	21.9
3 22	9 17.14	+10 3.0	2.369	3.169	12.4	22.1

166246 2002 GR_{16} 2 13.0 311°.58 2°.7/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.59	+17 12.7	1.393	2.257	15.3	19.5
1 22	10 2.72	+18 2.6	1.319	2.246	11.0	19.2
2 1	9 54.99	+19 1.7	1.267	2.235	6.3	18.9
2 11	9 45.34	+20 1.4	1.241	2.225	2.7	18.7
2 21	9 35.13	+20 52.7	1.241	2.215	6.1	18.9
3 2	9 25.92	+21 28.5	1.267	2.205	11.0	19.1
3 12	9 19.06	+21 44.9	1.316	2.196	15.6	19.4
3 22	9 15.35	+21 42.1	1.384	2.187	19.5	19.6

494769 2006 HQ_{85} 2 13.0 259°.72 10°.7/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.27	−16 59.4	1.822	2.527	18.4	21.7
1 22	10 0.65	−17 21.9	1.722	2.511	16.3	21.5
2 1	9 53.70	−17 11.5	1.639	2.494	13.9	21.3
2 11	9 45.13	−16 24.4	1.577	2.477	11.8	21.1
2 21	9 35.92	−15 0.4	1.540	2.459	10.7	21.0
3 2	9 27.26	−13 4.8	1.528	2.442	11.4	21.0
3 12	9 20.29	−10 47.7	1.542	2.423	13.6	21.0
3 22	9 15.81	− 8 21.4	1.578	2.405	16.4	21.2

198950 2005 UW_{327} 2 13.0 140°.89 3°.6/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.43	+20 5.0	1.550	2.404	14.5	20.5
1 22	10 5.81	+20 59.3	1.490	2.412	10.4	20.2
2 1	9 56.52	+21 57.2	1.454	2.418	6.1	20.0
2 11	9 45.59	+22 50.0	1.445	2.425	3.6	19.9
2 21	9 34.39	+23 29.9	1.464	2.431	6.3	20.0
3 2	9 24.39	+23 51.8	1.511	2.436	10.6	20.3
3 12	9 16.75	+23 54.5	1.581	2.442	14.5	20.5
3 22	9 12.12	+23 39.7	1.670	2.446	17.8	20.8

408211 2013 EO_{62} 2 13.0 330°.49 0°.4/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.62	+10 22.0	1.272	2.129	16.8	21.2
1 22	10 1.42	+10 50.2	1.197	2.119	12.4	20.9
2 1	9 54.31	+11 35.9	1.144	2.110	7.2	20.5
2 11	9 45.25	+12 32.9	1.115	2.101	1.4	20.1
2 21	9 35.60	+13 33.1	1.112	2.093	4.6	20.3
3 2	9 26.95	+14 27.6	1.134	2.086	10.3	20.6
3 12	9 20.70	+15 9.6	1.178	2.079	15.4	20.9
3 22	9 17.65	+15 35.4	1.242	2.073	19.7	21.1

172795 2004 FT_{62} 2 13.0 313°.11 1°.0/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.03	+14 29.6	2.020	2.867	11.9	20.3
1 22	9 59.42	+15 5.5	1.934	2.853	8.6	20.1
2 1	9 52.83	+15 49.6	1.872	2.839	4.8	19.8
2 11	9 44.97	+16 36.9	1.839	2.825	1.1	19.5
2 21	9 36.71	+17 21.9	1.835	2.811	3.9	19.7
3 2	9 29.08	+17 59.5	1.859	2.798	7.9	19.9
3 12	9 22.98	+18 26.0	1.908	2.786	11.6	20.1
3 22	9 19.04	+18 39.9	1.980	2.773	14.8	20.3

36779 2000 SW_1 2 13.0 199°.58 0°.8/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.66	+ 8 11.6	2.186	3.004	12.2	19.9
1 22	10 2.57	+ 8 55.9	2.098	2.999	9.0	19.7
2 1	9 54.55	+ 9 53.3	2.035	2.994	5.3	19.5
2 11	9 45.26	+10 59.3	2.002	2.987	1.4	19.2
2 21	9 35.59	+12 8.4	2.000	2.980	3.2	19.3
3 2	9 26.51	+13 14.5	2.029	2.971	7.1	19.5
3 12	9 18.92	+14 12.7	2.085	2.962	10.8	19.7
3 22	9 13.44	+14 59.7	2.165	2.951	13.9	19.9

456038 2005 YH_{164} 2 13.0 356°.49 4°.3/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 6.40	+ 2 58.4	1.631	2.450	15.7	20.3
1 22	10 1.36	+ 2 32.7	1.555	2.448	12.1	20.0
2 1	9 54.00	+ 2 24.5	1.500	2.446	8.2	19.8
2 11	9 45.17	+ 2 32.9	1.472	2.445	4.8	19.6
2 21	9 35.96	+ 2 54.7	1.470	2.445	5.0	19.6
3 2	9 27.59	+ 3 25.1	1.495	2.445	8.5	19.8
3 12	9 21.12	+ 3 58.1	1.545	2.445	12.4	20.0
3 22	9 17.21	+ 4 28.5	1.616	2.446	15.9	20.3

62819 2000 UV_{45} 2 13.0 174°.69 4°.0/ 9.5 18

1 12	10 8.24	+23 35.5	2.179	3.028	11.1	19.7
1 22	10 2.29	+24 36.1	2.112	3.030	8.1	19.5
2 1	9 54.37	+25 36.7	2.072	3.031	5.2	19.3
2 11	9 45.24	+26 30.6	2.061	3.032	4.0	19.2
2 21	9 35.86	+27 11.9	2.080	3.033	6.0	19.4
3 2	9 27.25	+27 36.9	2.126	3.034	9.0	19.6
3 12	9 20.30	+27 44.6	2.198	3.033	12.0	19.7
3 22	9 15.57	+27 36.1	2.291	3.033	14.5	19.9

145686 4077 $T\text{-}_2$ 2 13.0 59°.17 4°.7/10.2 18

1 12	10 12.08	+23 44.2	1.511	2.371	14.5	20.2
1 22	10 5.48	+24 26.3	1.463	2.386	10.5	20.0
2 1	9 56.26	+25 6.7	1.439	2.401	6.6	19.8
2 11	9 45.55	+25 37.0	1.441	2.416	4.7	19.7
2 21	9 34.80	+25 50.9	1.471	2.432	7.1	19.9
3 2	9 25.42	+25 45.6	1.527	2.448	10.9	20.1
3 12	9 18.50	+25 21.7	1.606	2.464	14.5	20.4
3 22	9 14.57	+24 42.4	1.705	2.480	17.5	20.6

317016 2001 QN_{164} 2 13.0 138°.83 5°.4/ 8.4 18

1 12	10 10.03	+26 46.4	1.973	2.824	12.0	20.7
1 22	10 3.74	+28 1.8	1.917	2.833	8.9	20.5
2 1	9 55.24	+29 14.2	1.888	2.841	6.2	20.3
2 11	9 45.40	+30 15.3	1.887	2.848	5.5	20.3
2 21	9 35.35	+30 58.6	1.914	2.855	7.4	20.4
3 2	9 26.25	+31 20.4	1.969	2.862	10.4	20.6
3 12	9 19.10	+31 21.0	2.047	2.868	13.3	20.8
3 22	9 14.46	+31 2.7	2.146	2.874	15.7	21.0

375012 2007 GD_{22} 2 13.0 272°.06 0°.9/12.4 17

1 12	10 6.11	+13 52.2	1.928	2.772	12.5	21.4
1 22	10 0.90	+14 29.4	1.854	2.771	9.0	21.2
2 1	9 53.66	+15 15.2	1.804	2.770	5.0	20.9
2 11	9 45.14	+16 4.2	1.783	2.769	1.0	20.6
2 21	9 36.32	+16 50.7	1.790	2.767	3.9	20.8
3 2	9 28.25	+17 29.5	1.826	2.766	8.0	21.1
3 12	9 21.86	+17 57.0	1.888	2.765	11.7	21.3
3 22	9 17.74	+18 11.7	1.971	2.764	14.9	21.5

288698 2004 QS_{19} 2 13.0 189°.11 1°.2/13.9 18

1 12	10 9.92	+ 8 12.6	1.901	2.723	13.6	22.1
1 22	10 3.67	+ 8 36.3	1.819	2.723	10.1	21.8
2 1	9 55.25	+ 9 13.3	1.763	2.721	6.0	21.6
2 11	9 45.42	+ 9 59.7	1.735	2.719	1.8	21.3
2 21	9 35.23	+10 50.0	1.736	2.716	3.5	21.4
3 2	9 25.79	+11 38.5	1.767	2.713	7.8	21.7
3 12	9 18.11	+12 20.3	1.825	2.708	11.7	21.9
3 22	9 12.84	+12 52.3	1.905	2.703	15.1	22.1

464900 2005 SH_{37} 2 13.0 90°.55 0°.7/12.5 18

1 12	10 8.13	+13 21.5	1.836	2.678	13.2	21.9
1 22	10 2.27	+13 57.2	1.777	2.693	9.4	21.7
2 1	9 54.36	+14 41.4	1.744	2.709	5.2	21.5
2 11	9 45.25	+15 28.6	1.738	2.724	1.0	21.2
2 21	9 36.00	+16 12.9	1.761	2.739	3.8	21.5
3 2	9 27.68	+16 49.2	1.813	2.753	8.0	21.8
3 12	9 21.20	+17 14.3	1.890	2.768	11.7	22.0
3 22	9 17.09	+17 27.1	1.989	2.782	14.7	22.2

312441 2008 HN_{59} 2 13.1 202°.69 2°.2/10.5 17

1 12	10 3.28	+20 36.9	2.989	3.832	8.6	21.5
1 22	9 58.31	+21 19.4	2.913	3.830	6.1	21.3
2 1	9 52.00	+22 3.4	2.865	3.827	3.6	21.1
2 11	9 44.86	+22 44.9	2.847	3.825	2.2	21.0
2 21	9 37.54	+23 20.0	2.859	3.822	3.9	21.2
3 2	9 30.70	+23 45.9	2.902	3.819	6.4	21.3
3 12	9 24.95	+24 1.0	2.971	3.816	8.9	21.5
3 22	9 20.72	+24 5.0	3.064	3.813	11.0	21.6

101893 1999 PJ 2 13.1 183°.08 0°.2/13.2 18

1 12	10 8.54	+10 20.9	2.137	2.963	12.2	20.8
1 22	10 2.49	+10 59.9	2.057	2.964	8.9	20.6
2 1	9 54.51	+11 49.8	2.003	2.964	5.1	20.4
2 11	9 45.32	+12 45.9	1.978	2.964	1.0	20.1
2 21	9 35.81	+13 42.8	1.983	2.962	3.3	20.3
3 2	9 26.97	+14 35.0	2.018	2.960	7.2	20.5
3 12	9 19.69	+15 18.4	2.081	2.957	10.8	20.7
3 22	9 14.55	+15 50.6	2.167	2.954	13.9	20.9

26630 2000 GH_{133} 2 13.1 22°.37 3°.1/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 2.72	+ 1 34.1	1.464	2.290	16.8	17.1
1 22	9 58.89	+ 2 24.9	1.395	2.294	12.8	16.9
2 1	9 52.70	+ 3 42.0	1.347	2.299	8.3	16.6
2 11	9 45.02	+ 5 20.1	1.326	2.305	4.0	16.4
2 21	9 36.99	+ 7 10.4	1.331	2.311	4.2	16.4
3 2	9 29.87	+ 9 2.0	1.363	2.318	8.6	16.7
3 12	9 24.72	+10 44.7	1.420	2.325	13.0	17.0
3 22	9 22.21	+12 11.4	1.499	2.333	16.8	17.2

280727 2005 GU_{192} 2 13.1 332°.07 0°.5/13.5 18

1 12	10 4.85	+10 8.9	2.026	2.860	12.4	21.2
1 22	9 59.91	+10 34.1	1.948	2.859	9.1	20.9
2 1	9 53.09	+11 10.3	1.895	2.857	5.2	20.7
2 11	9 45.08	+11 53.4	1.870	2.855	1.2	20.4
2 21	9 36.78	+12 38.4	1.873	2.854	3.2	20.6
3 2	9 29.15	+13 20.3	1.906	2.852	7.2	20.8
3 12	9 23.07	+13 54.9	1.965	2.851	10.9	21.0
3 22	9 19.10	+14 19.6	2.046	2.850	14.0	21.2

518165 2016 GR_{259} 2 13.1 297°.79 6°.2/16.4 17

1 12	10 8.64	− 0 54.6	1.804	2.596	15.5	20.9
1 22	10 3.10	− 1 48.0	1.700	2.572	12.5	20.6
2 1	9 55.16	− 2 24.9	1.619	2.547	9.3	20.4
2 11	9 45.48	− 2 43.5	1.564	2.523	6.7	20.2
2 21	9 35.08	− 2 44.2	1.536	2.499	6.6	20.1
3 2	9 25.19	− 2 29.5	1.535	2.474	9.3	20.2
3 12	9 16.99	− 2 4.6	1.559	2.450	12.9	20.4
3 22	9 11.30	− 1 35.4	1.605	2.426	16.5	20.5

522580 2016 EQ_{245} 2 13.1 76°.17 0°.5/13.4 18

1 12	10 7.99	+11 10.3	1.817	2.654	13.5	21.7
1 22	10 2.26	+11 22.7	1.749	2.661	9.8	21.5
2 1	9 54.42	+11 45.2	1.705	2.667	5.6	21.2
2 11	9 45.31	+12 13.6	1.688	2.674	1.2	20.9
2 21	9 35.96	+12 43.2	1.700	2.680	3.5	21.1
3 2	9 27.48	+13 9.2	1.741	2.687	7.8	21.4
3 12	9 20.83	+13 28.0	1.807	2.693	11.7	21.6
3 22	9 16.57	+13 37.6	1.895	2.700	14.9	21.9

240820 2006 AY_{67} 2 13.1 334°.79 0°.7/12.6 18

1 12	10 7.17	+11 56.5	1.385	2.239	15.9	20.5
1 22	10 2.32	+12 47.4	1.315	2.237	11.5	20.3
2 1	9 54.75	+13 53.5	1.268	2.235	6.5	20.0
2 11	9 45.39	+15 7.4	1.247	2.233	1.1	19.6
2 21	9 35.58	+16 19.6	1.253	2.232	4.8	19.8
3 2	9 26.78	+17 21.6	1.285	2.231	10.1	20.1
3 12	9 20.28	+18 7.4	1.340	2.229	14.7	20.4
3 22	9 16.79	+18 34.9	1.415	2.228	18.7	20.7

241086 2006 UV_{222} 2 13.1 229°.40 5°.2/18.2 18

1 12	10 3.04	− 5 9.8	2.492	3.253	12.6	20.5
1 22	9 58.35	− 5 18.6	2.402	3.250	10.3	20.3
2 1	9 52.11	− 5 9.5	2.336	3.247	7.8	20.2
2 11	9 44.91	− 4 42.9	2.296	3.244	5.7	20.0
2 21	9 37.43	− 4 1.0	2.284	3.241	5.3	20.0
3 2	9 30.43	− 3 7.6	2.302	3.238	6.8	20.1
3 12	9 24.63	− 2 8.0	2.346	3.235	9.3	20.2
3 22	9 20.53	− 1 7.4	2.415	3.231	11.7	20.4

42634 1998 FF_{60} 2 13.1 313°.24 0°.9/13.6 18

1 12	10 5.40	+ 9 6.0	1.378	2.228	16.2	18.9
1 22	10 1.19	+ 9 34.1	1.294	2.212	12.0	18.6
2 1	9 54.21	+10 20.4	1.233	2.197	7.1	18.3
2 11	9 45.32	+11 19.9	1.196	2.182	1.8	17.9
2 21	9 35.77	+12 24.9	1.186	2.167	4.3	18.0
3 2	9 27.05	+13 26.7	1.202	2.153	9.8	18.3
3 12	9 20.52	+14 17.9	1.240	2.140	14.9	18.5
3 22	9 17.04	+14 54.1	1.298	2.127	19.2	18.8

499508 2010 OC_{38} 2 13.1 202°.60 0°.7/13.6 17

1 12	10 10.53	+11 49.8	2.632	3.449	10.4	21.7
1 22	10 3.57	+11 32.0	2.544	3.446	7.6	21.5
2 1	9 54.98	+11 19.4	2.484	3.443	4.4	21.3
2 11	9 45.40	+11 9.8	2.455	3.440	1.2	21.0
2 21	9 35.60	+11 1.3	2.457	3.436	2.7	21.1
3 2	9 26.40	+10 51.8	2.491	3.433	6.1	21.3
3 12	9 18.54	+10 39.9	2.554	3.429	9.1	21.5
3 22	9 12.52	+10 24.3	2.641	3.424	11.8	21.7

211526 2003 QO_{73} 2 13.1 92°.34 0°.5/13.4 18

1 12	10 11.36	+10 31.7	1.654	2.489	14.7	20.8
1 22	10 4.67	+10 53.6	1.601	2.512	10.7	20.6
2 1	9 55.73	+11 27.0	1.573	2.535	6.1	20.4
2 11	9 45.52	+12 6.8	1.571	2.557	1.3	20.1
2 21	9 35.25	+12 46.9	1.599	2.579	3.7	20.3
3 2	9 26.11	+13 22.0	1.655	2.600	8.2	20.6
3 12	9 19.07	+13 48.2	1.736	2.621	12.2	20.9
3 22	9 14.66	+14 3.7	1.840	2.642	15.4	21.2

399641 2004 QU_{11} 2 13.1 187°.19 2°.9/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 10.88	+18 47.8	1.929	2.774	12.5	22.1
1 22	10 4.43	+19 51.9	1.856	2.774	9.0	21.9
2 1	9 55.71	+21 1.1	1.809	2.773	5.2	21.6
2 11	9 45.55	+22 7.9	1.791	2.771	2.9	21.5
2 21	9 35.02	+23 5.1	1.803	2.769	5.4	21.6
3 2	9 25.31	+23 47.3	1.843	2.765	9.2	21.9
3 12	9 17.47	+24 11.9	1.909	2.761	12.8	22.1
3 22	9 12.13	+24 19.5	1.997	2.756	15.8	22.3

327267 2005 SR_{179} 2 13.1 83°.02 4°.5/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.00	− 2 3.5	1.829	2.622	15.3	20.7
1 22	10 0.06	− 1 38.1	1.762	2.637	12.0	20.6
2 1	9 53.16	− 0 49.9	1.718	2.652	8.4	20.4
2 11	9 45.09	+ 0 18.3	1.700	2.667	5.2	20.2
2 21	9 36.82	+ 1 40.8	1.710	2.682	4.8	20.2
3 2	9 29.36	+ 3 10.1	1.749	2.697	7.6	20.4
3 12	9 23.58	+ 4 38.1	1.814	2.712	11.0	20.6
3 22	9 20.03	+ 5 58.3	1.902	2.727	14.1	20.9

64081 2001 SX_{279} 2 13.1 124°.41 0°.3/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.60	+12 22.1	1.931	2.769	12.8	19.6
1 22	10 1.90	+12 56.3	1.863	2.777	9.2	19.4
2 1	9 54.19	+13 40.0	1.821	2.785	5.2	19.2
2 11	9 45.27	+14 27.9	1.806	2.792	0.9	18.9
2 21	9 36.13	+15 14.5	1.821	2.800	3.6	19.1
3 2	9 27.80	+15 54.5	1.865	2.807	7.7	19.3
3 12	9 21.20	+16 24.4	1.935	2.814	11.4	19.6
3 22	9 16.87	+16 42.6	2.027	2.821	14.5	19.8

68939 2002 PM_{102} 2 13.1 67°.54 5°.8/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.23	− 4 52.0	2.090	2.861	14.3	19.3
1 22	9 59.39	− 5 4.9	2.011	2.866	11.7	19.1
2 1	9 52.77	− 4 57.2	1.955	2.871	8.8	18.9
2 11	9 45.03	− 4 29.2	1.925	2.876	6.4	18.8
2 21	9 37.02	− 3 43.6	1.922	2.881	5.9	18.8
3 2	9 29.66	− 2 45.3	1.946	2.885	7.7	18.9
3 12	9 23.75	− 1 40.7	1.998	2.890	10.4	19.1
3 22	9 19.85	− 0 36.0	2.073	2.896	13.2	19.3

243829 2000 TO_{32} 2 13.1 218°.08 1°.2/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.67	+14 24.7	1.900	2.739	12.9	22.0
1 22	10 3.62	+15 9.2	1.816	2.731	9.3	21.8
2 1	9 55.31	+16 2.7	1.758	2.723	5.2	21.5
2 11	9 45.50	+16 59.3	1.728	2.713	1.3	21.2
2 21	9 35.24	+17 52.4	1.727	2.703	4.3	21.4
3 2	9 25.70	+18 36.2	1.756	2.692	8.6	21.7
3 12	9 17.95	+19 7.1	1.810	2.681	12.5	21.9
3 22	9 12.66	+19 23.7	1.887	2.669	15.8	22.1

224583 2005 XF_{59} 2 13.1 312°.57 1°.0/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.02	+14 26.4	1.850	2.695	12.9	20.7
1 22	10 1.64	+14 58.8	1.776	2.694	9.3	20.5
2 1	9 54.13	+15 39.4	1.727	2.693	5.2	20.3
2 11	9 45.28	+16 22.6	1.706	2.692	1.2	20.0
2 21	9 36.13	+17 2.8	1.714	2.691	4.0	20.2
3 2	9 27.78	+17 34.7	1.750	2.690	8.3	20.4
3 12	9 21.21	+17 55.3	1.812	2.690	12.1	20.7
3 22	9 17.02	+18 3.2	1.895	2.689	15.3	20.9

509520 2007 WB 2 13.1 289°.89 9°.9/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.27	+27 40.2	1.413	2.248	16.8	22.3
1 22	10 22.56	+30 21.1	1.282	2.185	13.4	21.9
2 1	10 8.20	+33 21.7	1.176	2.119	10.4	21.5
2 11	9 48.14	+36 21.2	1.100	2.048	10.5	21.3
2 21	9 23.69	+38 52.6	1.054	1.972	14.6	21.3
3 2	8 57.81	+40 32.5	1.036	1.893	20.5	21.4
3 12	8 34.30	+41 13.6	1.041	1.809	26.6	21.5
3 22	8 16.05	+41 4.7	1.059	1.720	32.1	21.6

329992 2005 TM_{52} 2 13.1 98°.81 2°.4/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.84	+17 17.3	1.864	2.715	12.6	20.7
1 22	10 1.46	+18 22.0	1.803	2.724	9.0	20.5
2 1	9 53.98	+19 32.7	1.768	2.734	5.1	20.2
2 11	9 45.25	+20 42.2	1.760	2.743	2.4	20.1
2 21	9 36.29	+21 43.4	1.782	2.752	5.0	20.3
3 2	9 28.20	+22 30.7	1.832	2.761	8.8	20.5
3 12	9 21.90	+23 1.3	1.907	2.770	12.3	20.8
3 22	9 17.98	+23 15.2	2.004	2.778	15.3	21.0

44021 1997 WU_{39} 2 13.1 94°.80 7°.6/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.36	+31 48.8	1.821	2.674	12.7	18.5
1 22	10 4.22	+33 32.7	1.780	2.688	9.9	18.3
2 1	9 55.61	+35 8.3	1.765	2.702	7.9	18.3
2 11	9 45.53	+36 25.2	1.777	2.716	7.9	18.3
2 21	9 35.26	+37 16.4	1.816	2.730	9.7	18.4
3 2	9 26.13	+37 38.9	1.881	2.744	12.3	18.6
3 12	9 19.21	+37 34.5	1.967	2.757	14.9	18.8
3 22	9 15.08	+37 7.4	2.071	2.771	17.0	19.0

18986 2000 RF_{22} 2 13.1 339°.27 3°.1/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 3.23	+ 5 34.3	1.377	2.220	16.7	17.5
1 22	9 59.54	+ 5 30.5	1.295	2.205	12.7	17.2
2 1	9 53.24	+ 5 46.2	1.235	2.192	8.1	16.9
2 11	9 45.17	+ 6 19.0	1.199	2.180	3.8	16.6
2 21	9 36.52	+ 7 3.7	1.188	2.169	4.6	16.7
3 2	9 28.71	+ 7 53.1	1.203	2.159	9.3	16.9
3 12	9 23.00	+ 8 39.8	1.240	2.150	14.1	17.1
3 22	9 20.20	+ 9 17.9	1.298	2.142	18.3	17.4

467555 2007 TQ_{129} 2 13.1 146°.41 4°.0/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.48	+26 54.8	2.723	3.566	9.3	22.0
1 22	10 1.42	+27 47.0	2.663	3.575	6.9	21.8
2 1	9 53.78	+28 36.3	2.631	3.583	4.8	21.7
2 11	9 45.21	+29 17.4	2.629	3.591	4.1	21.6
2 21	9 36.51	+29 46.1	2.657	3.598	5.6	21.8
3 2	9 28.47	+30 0.2	2.713	3.605	7.9	21.9
3 12	9 21.81	+29 59.2	2.796	3.612	10.2	22.1
3 22	9 16.99	+29 44.5	2.900	3.618	12.2	22.2

295825 2008 UY_{348} 2 13.1 219°.93 3°.7/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.94	+20 45.8	1.581	2.436	14.2	21.2
1 22	10 5.62	+21 35.2	1.510	2.431	10.3	21.0
2 1	9 56.56	+22 28.0	1.463	2.427	6.2	20.7
2 11	9 45.74	+23 15.7	1.443	2.422	3.8	20.6
2 21	9 34.49	+23 50.6	1.451	2.417	6.5	20.7
3 2	9 24.29	+24 7.6	1.486	2.412	10.7	20.9
3 12	9 16.40	+24 5.3	1.545	2.406	14.8	21.2
3 22	9 11.52	+23 45.3	1.623	2.400	18.2	21.4

332935 2011 CA_{79} 2 13.1 68°.21 1°.5/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.62	+ 7 51.2	1.803	2.632	13.9	21.2
1 22	10 1.29	+ 8 6.3	1.735	2.641	10.3	21.0
2 1	9 53.89	+ 8 34.9	1.691	2.650	6.2	20.7
2 11	9 45.25	+ 9 13.2	1.675	2.658	2.1	20.5
2 21	9 36.38	+ 9 56.0	1.687	2.667	3.5	20.6
3 2	9 28.36	+10 38.0	1.727	2.676	7.6	20.9
3 12	9 22.11	+11 14.2	1.793	2.685	11.5	21.1
3 22	9 18.19	+11 41.6	1.881	2.694	14.7	21.3

364729 2007 VH_{111} 2 13.1 301°.52 3°.9/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.19	+ 3 24.4	1.485	2.311	16.5	20.7
1 22	10 1.65	+ 3 19.0	1.393	2.293	12.8	20.4
2 1	9 54.46	+ 3 34.0	1.324	2.275	8.6	20.1
2 11	9 45.40	+ 4 8.2	1.279	2.256	4.6	19.8
2 21	9 35.65	+ 4 57.1	1.261	2.239	4.9	19.8
3 2	9 26.60	+ 5 53.8	1.268	2.221	9.3	20.0
3 12	9 19.57	+ 6 50.5	1.300	2.204	14.0	20.2
3 22	9 15.41	+ 7 40.6	1.352	2.187	18.2	20.4

244090 2001 UC_{68} 2 13.1 283°.46 4°.0/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.55	− 1 21.5	2.317	3.103	12.7	20.6
1 22	9 58.09	− 1 8.9	2.230	3.101	10.0	20.4
2 1	9 52.02	− 0 38.7	2.167	3.098	7.1	20.3
2 11	9 44.93	+ 0 7.7	2.130	3.096	4.6	20.1
2 21	9 37.56	+ 1 6.6	2.123	3.093	4.2	20.1
3 2	9 30.72	+ 2 13.2	2.145	3.091	6.6	20.2
3 12	9 25.15	+ 3 21.5	2.194	3.088	9.5	20.4
3 22	9 21.36	+ 4 26.4	2.267	3.086	12.3	20.6

7394 Xanthomalitia 2 13.1 136°.96 1°.4/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.24	+ 5 50.5	3.217	4.025	8.9	17.3
1 22	9 56.03	+ 6 15.7	3.134	4.027	6.7	17.1
2 1	9 50.70	+ 6 50.0	3.077	4.029	4.1	16.9
2 11	9 44.69	+ 7 31.4	3.050	4.031	1.8	16.8
2 21	9 38.52	+ 8 16.8	3.054	4.033	2.2	16.8
3 2	9 32.74	+ 9 2.8	3.088	4.035	4.8	17.0
3 12	9 27.86	+ 9 46.5	3.151	4.037	7.2	17.2
3 22	9 24.24	+10 25.1	3.239	4.038	9.4	17.3

370827 2004 VQ_{27} 2 13.1 138°.43 2°.3/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.78	+ 6 6.8	2.208	3.017	12.4	20.8
1 22	10 2.53	+ 5 57.0	2.132	3.025	9.3	20.6
2 1	9 54.48	+ 5 58.6	2.082	3.033	5.9	20.4
2 11	9 45.36	+ 6 9.5	2.061	3.040	2.8	20.2
2 21	9 36.03	+ 6 26.8	2.069	3.047	3.4	20.2
3 2	9 27.40	+ 6 47.0	2.107	3.053	6.7	20.4
3 12	9 20.30	+ 7 6.4	2.173	3.059	10.0	20.7
3 22	9 15.23	+ 7 22.2	2.263	3.065	12.9	20.9

489028 2005 WP_{85} 2 13.1 69°.80 4°.6/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.00	+ 1 8.0	1.335	2.157	18.3	21.4
1 22	10 2.83	+ 1 11.5	1.272	2.167	14.2	21.2
2 1	9 54.98	+ 1 40.3	1.231	2.177	9.6	21.0
2 11	9 45.47	+ 2 31.6	1.213	2.188	5.4	20.8
2 21	9 35.64	+ 3 38.8	1.221	2.198	5.4	20.8
3 2	9 26.94	+ 4 53.1	1.256	2.209	9.4	21.0
3 12	9 20.57	+ 6 5.1	1.314	2.219	13.8	21.3
3 22	9 17.18	+ 7 7.7	1.393	2.230	17.7	21.6

449214 2013 CM_{76} 2 13.1 32°.76 1°.1/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 6.17	+11 55.2	1.335	2.193	16.2	20.3
1 22	10 1.64	+13 4.9	1.273	2.196	11.6	20.0
2 1	9 54.38	+14 31.0	1.233	2.200	6.5	19.8
2 11	9 45.38	+16 4.3	1.218	2.204	1.3	19.4
2 21	9 35.99	+17 34.0	1.231	2.209	5.1	19.7
3 2	9 27.69	+18 50.5	1.269	2.213	10.3	20.0
3 12	9 21.72	+19 47.3	1.331	2.218	14.9	20.3
3 22	9 18.76	+20 22.7	1.412	2.223	18.8	20.5

28965 2001 FF_{162} 2 13.1 237°.10 1°.3/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.11	+15 35.2	2.068	2.912	11.8	19.2
1 22	10 0.83	+16 12.5	1.993	2.911	8.5	19.0
2 1	9 53.63	+16 56.4	1.944	2.909	4.7	18.8
2 11	9 45.24	+17 41.5	1.923	2.908	1.4	18.5
2 21	9 36.56	+18 22.6	1.932	2.907	4.0	18.7
3 2	9 28.60	+18 55.1	1.969	2.905	7.8	18.9
3 12	9 22.22	+19 16.0	2.032	2.904	11.3	19.2
3 22	9 17.99	+19 24.4	2.118	2.903	14.2	19.3

500657 2012 VK_{19} 2 13.1 167°.56 4°.2/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.59	+29 58.1	3.362	4.199	7.9	22.7
1 22	10 0.62	+30 58.1	3.301	4.204	6.0	22.6
2 1	9 53.30	+31 54.1	3.268	4.209	4.5	22.5
2 11	9 45.17	+32 41.5	3.266	4.214	4.3	22.5
2 21	9 36.87	+33 16.8	3.295	4.218	5.5	22.6
3 2	9 29.08	+33 37.8	3.353	4.221	7.3	22.7
3 12	9 22.42	+33 44.2	3.436	4.224	9.1	22.8
3 22	9 17.31	+33 37.2	3.542	4.226	10.7	23.0

240158 2002 OH_{30} 2 13.1 188°.61 1°.5/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.03	+ 7 49.5	2.250	3.069	11.9	21.2
1 22	10 0.61	+ 7 58.8	2.168	3.069	8.8	21.0
2 1	9 53.46	+ 8 19.0	2.112	3.069	5.3	20.8
2 11	9 45.22	+ 8 47.3	2.085	3.068	2.0	20.6
2 21	9 36.71	+ 9 19.9	2.087	3.067	3.0	20.6
3 2	9 28.83	+ 9 52.8	2.119	3.066	6.6	20.9
3 12	9 22.36	+10 22.0	2.178	3.065	10.0	21.1
3 22	9 17.82	+10 44.9	2.261	3.063	12.9	21.3

301089 2008 UE_{340} 2 13.1 7°.46 2°.3/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.15	+ 6 58.6	1.199	2.050	18.1	21.0
1 22	10 1.82	+ 7 7.7	1.134	2.050	13.5	20.7
2 1	9 54.57	+ 7 37.6	1.090	2.051	8.3	20.4
2 11	9 45.44	+ 8 23.7	1.069	2.053	3.1	20.1
2 21	9 35.87	+ 9 18.7	1.074	2.055	4.6	20.2
3 2	9 27.46	+10 13.7	1.103	2.059	10.0	20.5
3 12	9 21.55	+11 1.1	1.155	2.063	15.0	20.8
3 22	9 18.85	+11 35.7	1.225	2.067	19.3	21.1

354935 2006 DL_{215} 2 13.1 249°.67 2°.6/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.61	+17 59.7	1.607	2.460	14.2	21.2
1 22	10 4.66	+18 40.3	1.530	2.451	10.2	20.9
2 1	9 56.05	+19 27.2	1.477	2.443	5.8	20.6
2 11	9 45.70	+20 12.9	1.451	2.434	2.6	20.4
2 21	9 34.87	+20 50.3	1.452	2.424	5.5	20.6
3 2	9 24.96	+21 13.6	1.482	2.415	10.1	20.8
3 12	9 17.23	+21 20.4	1.535	2.406	14.3	21.0
3 22	9 12.39	+21 11.0	1.608	2.396	17.9	21.3

11750 1999 NM_{33} 2 13.1 210°.40 0°.1/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.40	+12 33.2	3.345	4.172	8.2	18.7
1 22	9 56.85	+12 54.0	3.261	4.170	5.9	18.5
2 1	9 51.17	+13 20.0	3.205	4.168	3.3	18.4
2 11	9 44.81	+13 48.5	3.180	4.166	0.6	18.1
2 21	9 38.29	+14 16.9	3.185	4.163	2.2	18.3
3 2	9 32.16	+14 42.6	3.221	4.161	4.9	18.5
3 12	9 26.93	+15 3.4	3.285	4.159	7.3	18.6
3 22	9 22.98	+15 18.0	3.374	4.156	9.5	18.8

473125 2015 JH_{3} 2 13.1 30°.01 0°.7/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.86	+ 3 25.2	1.544	2.375	15.8	19.5
1 22	9 58.11	+ 5 39.3	1.487	2.395	11.5	19.3
2 1	9 52.20	+ 8 18.6	1.455	2.415	6.7	19.0
2 11	9 45.01	+11 12.3	1.452	2.437	1.6	18.8
2 21	9 37.59	+14 6.1	1.479	2.459	3.8	19.0
3 2	9 31.08	+16 46.4	1.536	2.483	8.6	19.3
3 12	9 26.45	+19 3.3	1.619	2.507	12.8	19.6
3 22	9 24.24	+20 52.4	1.726	2.531	16.1	19.9

503597 2016 GC_{75} 2 13.1 240°.60 0°.2/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.73	+10 33.0	2.220	3.050	11.7	22.2
1 22	10 0.53	+11 9.1	2.130	3.038	8.5	21.9
2 1	9 53.49	+11 55.9	2.065	3.027	4.9	21.7
2 11	9 45.24	+12 49.2	2.029	3.014	0.9	21.4
2 21	9 36.61	+13 43.9	2.022	3.002	3.1	21.5
3 2	9 28.53	+14 35.0	2.046	2.989	7.1	21.8
3 12	9 21.84	+15 18.0	2.097	2.976	10.6	21.9
3 22	9 17.16	+15 50.4	2.170	2.962	13.7	22.1

417117 2005 UW_{489} 2 13.1 89°.28 0°.6/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 10.67	+11 0.4	1.910	2.739	13.3	21.6
1 22	10 3.97	+11 7.9	1.854	2.762	9.6	21.4
2 1	9 55.30	+11 24.6	1.823	2.784	5.5	21.2
2 11	9 45.53	+11 46.6	1.820	2.806	1.3	20.9
2 21	9 35.70	+12 9.5	1.847	2.827	3.3	21.1
3 2	9 26.85	+12 29.3	1.903	2.848	7.4	21.4
3 12	9 19.84	+12 42.9	1.986	2.869	11.0	21.7
3 22	9 15.16	+12 48.9	2.091	2.889	14.0	21.9

194279 2001 UX_{30} 2 13.1 170°.48 2°.2/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.54	+16 33.9	1.907	2.749	12.7	20.8
1 22	10 4.18	+17 40.6	1.837	2.754	9.1	20.5
2 1	9 55.59	+18 54.5	1.793	2.758	5.1	20.3
2 11	9 45.61	+20 8.0	1.779	2.762	2.2	20.1
2 21	9 35.30	+21 13.9	1.794	2.764	4.9	20.3
3 2	9 25.83	+22 6.1	1.838	2.766	8.9	20.5
3 12	9 18.21	+22 41.7	1.908	2.766	12.5	20.8
3 22	9 13.06	+23 0.2	2.000	2.766	15.6	21.0

229883 2009 UV_{72} 2 13.1 192°.36 5°.2/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.46	+28 21.5	2.351	3.196	10.5	20.7
1 22	10 3.20	+29 31.6	2.285	3.195	7.9	20.6
2 1	9 54.97	+30 38.3	2.245	3.193	5.8	20.4
2 11	9 45.50	+31 34.5	2.235	3.190	5.3	20.4
2 21	9 35.75	+32 14.6	2.253	3.187	7.0	20.5
3 2	9 26.73	+32 35.4	2.300	3.183	9.6	20.7
3 12	9 19.34	+32 36.6	2.371	3.179	12.1	20.8
3 22	9 14.16	+32 20.3	2.463	3.174	14.4	21.0

352727 2008 SM_{288} 2 13.1 15°.53 7°.4/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.10	+27 6.9	1.106	1.981	17.4	20.7
1 22	10 6.47	+28 0.8	1.057	1.984	13.0	20.5
2 1	9 57.26	+28 49.3	1.029	1.988	8.9	20.3
2 11	9 45.91	+29 19.9	1.024	1.993	7.4	20.2
2 21	9 34.35	+29 24.0	1.043	1.999	10.1	20.3
3 2	9 24.55	+28 58.6	1.085	2.006	14.3	20.6
3 12	9 17.98	+28 7.1	1.148	2.014	18.4	20.9
3 22	9 15.24	+26 55.7	1.226	2.022	22.0	21.1

111384 2001 XA_{156} 2 13.1 94°.38 1°.0/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.83	+ 8 49.0	1.966	2.790	13.1	19.4
1 22	10 2.64	+ 9 10.7	1.908	2.813	9.6	19.2
2 1	9 54.56	+ 9 43.7	1.876	2.835	5.6	19.0
2 11	9 45.42	+10 23.9	1.873	2.857	1.6	18.7
2 21	9 36.19	+11 6.3	1.899	2.879	3.2	18.9
3 2	9 27.87	+11 46.0	1.954	2.900	7.1	19.2
3 12	9 21.26	+12 19.0	2.036	2.921	10.6	19.4
3 22	9 16.86	+12 43.1	2.141	2.941	13.6	19.7

432071 2008 YG_{103} 2 13.1 8°.83 0°.2/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.86	+10 49.7	1.879	2.720	12.9	21.1
1 22	9 59.34	+11 19.4	1.807	2.721	9.4	20.9
2 1	9 52.85	+12 0.4	1.759	2.723	5.4	20.6
2 11	9 45.15	+12 48.0	1.739	2.725	1.0	20.3
2 21	9 37.17	+13 36.6	1.747	2.727	3.4	20.5
3 2	9 29.94	+14 20.8	1.783	2.730	7.6	20.8
3 12	9 24.35	+14 56.1	1.845	2.733	11.4	21.0
3 22	9 20.96	+15 20.2	1.929	2.737	14.6	21.2

522416 2016 CW_{311} 2 13.1 236°.12 3°.3/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.75	+ 2 12.1	2.161	2.960	13.0	21.9
1 22	10 1.31	+ 2 14.9	2.065	2.948	10.1	21.7
2 1	9 53.97	+ 2 33.3	1.994	2.936	6.8	21.4
2 11	9 45.36	+ 3 6.0	1.950	2.924	3.9	21.2
2 21	9 36.33	+ 3 49.4	1.936	2.911	4.0	21.2
3 2	9 27.83	+ 4 38.9	1.950	2.897	7.1	21.4
3 12	9 20.75	+ 5 29.1	1.992	2.883	10.5	21.6
3 22	9 15.72	+ 6 15.4	2.058	2.869	13.7	21.7

495220 2013 FL_{13} 2 13.1 21°.42 2°.8/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.82	+16 11.0	1.259	2.127	16.3	20.8
1 22	10 2.26	+17 16.1	1.201	2.131	11.6	20.6
2 1	9 54.80	+18 32.1	1.166	2.135	6.5	20.3
2 11	9 45.52	+19 48.7	1.156	2.139	2.8	20.1
2 21	9 35.88	+20 55.6	1.171	2.145	6.2	20.3
3 2	9 27.47	+21 44.7	1.211	2.151	11.3	20.6
3 12	9 21.57	+22 12.1	1.274	2.157	15.8	20.9
3 22	9 18.86	+22 17.9	1.355	2.164	19.6	21.1

337858 2001 VP_{125} 2 13.1 129°.28 4°.3/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.84	− 2 22.3	2.536	3.310	12.0	21.2
1 22	9 58.87	− 2 26.7	2.455	3.316	9.6	21.1
2 1	9 52.43	− 2 15.3	2.398	3.322	7.0	20.9
2 11	9 45.08	− 1 48.9	2.369	3.327	4.8	20.8
2 21	9 37.52	− 1 10.2	2.368	3.333	4.4	20.8
3 2	9 30.49	− 0 23.0	2.397	3.338	6.3	20.9
3 12	9 24.66	+ 0 27.9	2.454	3.344	8.9	21.1
3 22	9 20.49	+ 1 18.1	2.535	3.349	11.3	21.2

455794 2005 RN_{51} 2 13.1 71°.03 5°.1/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 4.94	− 4 2.7	1.731	2.518	16.2	21.0
1 22	10 0.12	− 3 30.6	1.668	2.537	12.9	20.8
2 1	9 53.27	− 2 32.5	1.627	2.556	9.2	20.6
2 11	9 45.24	− 1 11.5	1.612	2.575	6.0	20.5
2 21	9 37.02	+ 0 25.9	1.624	2.595	5.3	20.5
3 2	9 29.67	+ 2 11.0	1.665	2.614	7.9	20.7
3 12	9 24.10	+ 3 54.4	1.732	2.633	11.3	20.9
3 22	9 20.83	+ 5 28.8	1.823	2.652	14.4	21.1

384172 2009 BH_{35} 2 13.1 262°.60 0°.6/12.6 17

1 12	10 6.74	+14 38.2	2.375	3.210	10.8	21.2
1 22	10 1.14	+14 51.9	2.287	3.200	7.8	21.0
2 1	9 53.79	+15 11.0	2.226	3.190	4.4	20.7
2 11	9 45.34	+15 32.0	2.194	3.180	0.8	20.5
2 21	9 36.59	+15 51.2	2.192	3.170	3.2	20.6
3 2	9 28.41	+16 5.2	2.220	3.159	6.8	20.8
3 12	9 21.62	+16 11.7	2.275	3.149	10.1	21.0
3 22	9 16.74	+16 9.6	2.353	3.138	13.0	21.2

500586 2012 UL_{95} 2 13.1 143°.99 1°.6/11.3 17

1 12	10 5.70	+18 14.0	2.866	3.703	9.1	22.1
1 22	10 0.05	+18 50.8	2.798	3.713	6.5	22.0
2 1	9 53.02	+19 30.2	2.758	3.722	3.6	21.8
2 11	9 45.19	+20 8.1	2.749	3.731	1.6	21.7
2 21	9 37.21	+20 40.8	2.771	3.740	3.5	21.8
3 2	9 29.80	+21 5.5	2.823	3.748	6.2	22.0
3 12	9 23.57	+21 20.4	2.902	3.756	8.8	22.2
3 22	9 18.95	+21 25.3	3.005	3.764	11.0	22.4

429853 2012 RH_{9} 2 13.1 99°.49 2°.1/11.3 18

1 12	10 7.88	+19 45.3	2.352	3.195	10.6	21.2
1 22	10 1.85	+20 8.2	2.285	3.202	7.6	21.0
2 1	9 54.11	+20 32.7	2.246	3.210	4.4	20.8
2 11	9 45.38	+20 54.1	2.235	3.217	2.1	20.6
2 21	9 36.51	+21 8.7	2.255	3.224	4.1	20.8
3 2	9 28.39	+21 13.8	2.304	3.232	7.3	21.0
3 12	9 21.76	+21 8.1	2.380	3.239	10.3	21.2
3 22	9 17.12	+20 52.1	2.478	3.246	12.9	21.4

375011 2007 GD_{21} 2 13.1 145°.54 2°.5/10.9 17

1 12	10 7.56	+19 1.3	2.132	2.978	11.4	21.4
1 22	10 1.83	+19 48.1	2.064	2.983	8.2	21.2
2 1	9 54.20	+20 38.3	2.023	2.988	4.7	21.0
2 11	9 45.41	+21 26.0	2.011	2.992	2.5	20.9
2 21	9 36.40	+22 5.8	2.028	2.996	4.7	21.0
3 2	9 28.15	+22 33.6	2.074	3.000	8.1	21.2
3 12	9 21.52	+22 47.5	2.146	3.004	11.3	21.4
3 22	9 17.05	+22 47.6	2.240	3.007	14.1	21.6

89173 2001 UK_{55} 2 13.1 61°.57 7°.2/20.6 18

1 12	10 3.62	−11 0.3	2.170	2.903	15.0	18.9
1 22	9 58.87	−11 12.2	2.104	2.923	12.6	18.8
2 1	9 52.47	−10 59.8	2.059	2.943	10.1	18.7
2 11	9 45.10	−10 23.3	2.039	2.964	8.0	18.6
2 21	9 37.57	− 9 25.5	2.045	2.984	7.2	18.6
3 2	9 30.74	− 8 11.5	2.079	3.004	8.2	18.6
3 12	9 25.34	− 6 48.5	2.139	3.025	10.2	18.8
3 22	9 21.84	− 5 23.7	2.224	3.045	12.4	19.0

84940 2003 WL_{138} 2 13.1 64°.38 4°.4/ 9.2 18

1 12	10 7.07	+24 5.1	1.959	2.815	11.8	18.9
1 22	10 1.60	+25 12.4	1.907	2.828	8.6	18.7
2 1	9 54.09	+26 18.8	1.882	2.841	5.6	18.6
2 11	9 45.39	+27 16.7	1.884	2.854	4.5	18.5
2 21	9 36.53	+28 0.0	1.915	2.867	6.5	18.7
3 2	9 28.60	+28 24.9	1.973	2.880	9.6	18.9
3 12	9 22.47	+28 30.9	2.055	2.894	12.5	19.1
3 22	9 18.68	+28 19.5	2.158	2.907	15.1	19.3

116313 2003 YT_{65} 2 13.1 116°.23 2°.2/10.7 18

1 12	10 6.07	+18 43.5	2.517	3.358	10.0	19.6
1 22	10 0.47	+19 42.8	2.459	3.376	7.1	19.4
2 1	9 53.31	+20 44.9	2.429	3.393	4.1	19.2
2 11	9 45.25	+21 44.5	2.429	3.409	2.2	19.1
2 21	9 37.05	+22 36.6	2.459	3.425	4.2	19.3
3 2	9 29.52	+23 17.5	2.519	3.440	7.1	19.5
3 12	9 23.35	+23 45.2	2.606	3.455	9.9	19.7
3 22	9 18.99	+23 59.5	2.716	3.470	12.2	19.9

56033 1998 WF_{19} 2 13.1 7°.12 2°.7/14.4 18

1 12	10 8.87	+ 7 57.0	1.173	2.024	18.4	18.2
1 22	10 3.87	+ 7 38.5	1.108	2.024	13.8	17.9
2 1	9 55.79	+ 7 37.4	1.064	2.025	8.5	17.7
2 11	9 45.73	+ 7 51.0	1.044	2.027	3.4	17.4
2 21	9 35.22	+ 8 13.7	1.048	2.029	4.8	17.5
3 2	9 25.97	+ 8 39.2	1.077	2.032	10.2	17.8
3 12	9 19.36	+ 9 1.0	1.128	2.036	15.3	18.0
3 22	9 16.13	+ 9 14.7	1.198	2.040	19.6	18.3

11564 1993 FU_{41} 2 13.1 140°.43 2°.1/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 9.57	+ 5 3.6	1.774	2.590	14.7	18.2
1 22	10 3.49	+ 5 34.0	1.705	2.602	11.0	18.0
2 1	9 55.22	+ 6 21.6	1.659	2.613	6.8	17.8
2 11	9 45.61	+ 7 22.1	1.642	2.623	2.8	17.6
2 21	9 35.73	+ 8 29.3	1.653	2.633	3.7	17.6
3 2	9 26.74	+ 9 36.3	1.694	2.642	7.8	17.9
3 12	9 19.62	+10 36.8	1.761	2.650	11.8	18.2
3 22	9 14.97	+11 26.6	1.850	2.658	15.1	18.4

123256 2000 US_{73} 2 13.1 131°.91 0°.4/13.4 18

1 12	10 7.02	+10 30.1	2.059	2.890	12.4	19.8
1 22	10 1.44	+10 56.5	1.988	2.897	9.0	19.6
2 1	9 53.98	+11 33.1	1.942	2.903	5.2	19.4
2 11	9 45.39	+12 15.7	1.924	2.910	1.1	19.1
2 21	9 36.56	+12 59.3	1.936	2.916	3.2	19.3
3 2	9 28.48	+13 39.0	1.977	2.922	7.1	19.5
3 12	9 21.98	+14 11.1	2.045	2.928	10.7	19.8
3 22	9 17.60	+14 33.4	2.136	2.933	13.7	20.0

343508 2010 EX_{110} 2 13.1 227°.68 3°.7/ 9.7 17

1 12	10 7.30	+24 8.4	2.366	3.214	10.4	21.0
1 22	10 1.58	+24 52.4	2.294	3.210	7.6	20.8
2 1	9 54.05	+25 35.6	2.248	3.207	4.9	20.6
2 11	9 45.41	+26 12.4	2.232	3.203	3.7	20.5
2 21	9 36.54	+26 38.1	2.245	3.200	5.5	20.6
3 2	9 28.35	+26 49.6	2.286	3.196	8.4	20.8
3 12	9 21.67	+26 46.0	2.354	3.192	11.2	21.0
3 22	9 17.02	+26 28.5	2.442	3.188	13.6	21.1

96397 1998 DT_{13} 2 13.1 12°.89 1°.9/12.1 18

1 12	10 7.44	+15 52.1	1.153	2.024	17.2	18.7
1 22	10 2.86	+16 20.8	1.097	2.027	12.4	18.5
2 1	9 55.21	+16 59.4	1.061	2.030	6.9	18.2
2 11	9 45.64	+17 39.6	1.050	2.035	2.0	17.9
2 21	9 35.75	+18 13.0	1.063	2.041	5.7	18.1
3 2	9 27.22	+18 33.1	1.101	2.048	11.1	18.5
3 12	9 21.40	+18 36.6	1.160	2.056	16.0	18.8
3 22	9 18.94	+18 23.6	1.237	2.065	20.0	19.0

432130 2009 BZ_{48} 2 13.1 32°.18 0°.4/12.7 18

1 12	10 4.34	+12 30.3	1.873	2.718	12.8	21.2
1 22	9 59.65	+13 7.5	1.809	2.727	9.2	21.0
2 1	9 53.02	+13 54.4	1.770	2.735	5.1	20.8
2 11	9 45.23	+14 45.6	1.759	2.745	0.9	20.5
2 21	9 37.24	+15 35.3	1.776	2.754	3.6	20.7
3 2	9 30.05	+16 18.2	1.821	2.764	7.7	21.0
3 12	9 24.53	+16 50.3	1.891	2.775	11.4	21.2
3 22	9 21.21	+17 10.1	1.984	2.786	14.4	21.4

341753 2007 VG_{297} 2 13.1 86°.82 4°.4/17.9 18

1 12	10 2.80	− 4 19.9	2.311	3.081	13.2	20.4
1 22	9 58.24	− 3 50.2	2.236	3.094	10.5	20.3
2 1	9 52.12	− 3 0.2	2.184	3.107	7.6	20.1
2 11	9 45.08	− 1 52.1	2.160	3.119	5.1	20.0
2 21	9 37.84	− 0 30.3	2.165	3.132	4.6	20.0
3 2	9 31.21	+ 0 59.3	2.199	3.144	6.5	20.1
3 12	9 25.87	+ 2 29.7	2.261	3.156	9.3	20.3
3 22	9 22.31	+ 3 55.3	2.349	3.168	11.9	20.5

168505 1999 TL_{37} 2 13.1 103°.18 3°.3/10.5 18

1 12	10 10.27	+19 11.9	1.745	2.596	13.3	20.0
1 22	10 4.01	+20 25.0	1.694	2.615	9.5	19.8
2 1	9 55.50	+21 41.8	1.670	2.634	5.5	19.6
2 11	9 45.67	+22 53.9	1.674	2.653	3.3	19.5
2 21	9 35.71	+23 53.7	1.706	2.671	5.8	19.7
3 2	9 26.81	+24 36.0	1.767	2.689	9.6	19.9
3 12	9 19.96	+24 59.1	1.852	2.706	13.0	20.2
3 22	9 15.70	+25 4.1	1.958	2.723	15.9	20.4

406440 2007 TK_{311} 2 13.1 160°.47 0°.8/12.5 18

1 12	10 10.39	+13 36.2	1.985	2.819	12.6	22.3
1 22	10 3.96	+14 14.3	1.914	2.826	9.1	22.1
2 1	9 55.45	+15 0.7	1.869	2.833	5.1	21.8
2 11	9 45.68	+15 49.9	1.853	2.838	1.0	21.6
2 21	9 35.65	+16 36.1	1.866	2.843	3.8	21.8
3 2	9 26.44	+17 14.4	1.910	2.848	7.9	22.0
3 12	9 18.98	+17 41.5	1.979	2.851	11.5	22.3
3 22	9 13.85	+17 56.2	2.072	2.854	14.6	22.5

222834 2002 EE_{15} 2 13.1 74°.32 0°.9/13.8 18

1 12	10 7.94	+ 9 48.3	1.813	2.646	13.7	20.6
1 22	10 2.25	+10 1.1	1.748	2.658	10.0	20.4
2 1	9 54.49	+10 25.2	1.709	2.669	5.8	20.2
2 11	9 45.50	+10 56.7	1.696	2.681	1.6	19.9
2 21	9 36.33	+11 30.6	1.713	2.693	3.4	20.1
3 2	9 28.06	+12 1.9	1.758	2.705	7.6	20.3
3 12	9 21.59	+12 26.7	1.828	2.717	11.4	20.6
3 22	9 17.49	+12 42.7	1.921	2.729	14.6	20.8

30656 3098 T-1 2 13.1 25°.08 6°.9/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 14.46	+32 10.1	1.718	2.568	13.5	16.5
1 22	10 7.11	+32 34.4	1.668	2.577	10.4	16.3
2 1	9 57.22	+32 48.0	1.643	2.587	7.8	16.2
2 11	9 45.96	+32 43.6	1.644	2.599	6.9	16.2
2 21	9 34.75	+32 17.0	1.672	2.610	8.6	16.3
3 2	9 24.96	+31 28.2	1.727	2.623	11.4	16.5
3 12	9 17.63	+30 20.7	1.805	2.636	14.4	16.7
3 22	9 13.25	+28 59.5	1.903	2.649	16.9	16.9

199194 Calcatreppola 2 13.1 113°.78 2°.8/11.3 18

1 12	10 12.39	+18 1.2	1.555	2.406	14.6	20.9
1 22	10 5.77	+18 54.4	1.500	2.421	10.4	20.7
2 1	9 56.58	+19 53.0	1.469	2.435	5.9	20.4
2 11	9 45.87	+20 48.7	1.466	2.449	2.8	20.3
2 21	9 34.99	+21 33.8	1.491	2.462	5.6	20.5
3 2	9 25.32	+22 3.0	1.544	2.475	10.0	20.8
3 12	9 17.96	+22 14.6	1.620	2.487	13.9	21.0
3 22	9 13.51	+22 9.5	1.717	2.499	17.2	21.3

412774 2014 OU_{388} 2 13.1 128°.10 0°.0/13.1 18

1 12	10 7.99	+10 10.5	1.755	2.591	14.0	21.7
1 22	10 2.41	+11 5.2	1.689	2.601	10.1	21.5
2 1	9 54.65	+12 13.4	1.647	2.611	5.7	21.2
2 11	9 45.54	+13 28.8	1.634	2.620	1.0	20.9
2 21	9 36.17	+14 43.7	1.650	2.629	3.8	21.1
3 2	9 27.68	+15 51.1	1.694	2.638	8.2	21.4
3 12	9 21.05	+16 45.7	1.764	2.646	12.2	21.7
3 22	9 16.88	+17 25.3	1.856	2.654	15.5	21.9

172056 2001 XZ_{153} 2 13.1 152°.18 3°.9/ 8.6 18

1 12	10 5.21	+25 20.4	2.683	3.531	9.3	20.3
1 22	9 59.92	+26 29.9	2.621	3.536	6.8	20.1
2 1	9 53.07	+27 38.2	2.586	3.540	4.6	20.0
2 11	9 45.25	+28 39.5	2.581	3.545	4.0	20.0
2 21	9 37.23	+29 29.1	2.606	3.549	5.6	20.1
3 2	9 29.80	+30 3.6	2.660	3.553	8.0	20.2
3 12	9 23.67	+30 22.0	2.739	3.557	10.4	20.4
3 22	9 19.31	+30 25.0	2.840	3.560	12.4	20.6

180528 2004 DJ_{48} 2 13.1 16°.90 4°.5/17.0 18

1 12	10 3.59	− 2 3.0	1.632	2.435	16.4	19.7
1 22	9 59.43	− 1 25.0	1.555	2.436	12.9	19.5
2 1	9 53.07	− 0 19.9	1.499	2.437	9.0	19.2
2 11	9 45.28	+ 1 9.2	1.468	2.439	5.4	19.0
2 21	9 37.11	+ 2 55.4	1.465	2.440	4.9	19.0
3 2	9 29.71	+ 4 49.1	1.490	2.442	8.2	19.2
3 12	9 24.11	+ 6 39.9	1.540	2.444	12.2	19.4
3 22	9 20.97	+ 8 19.6	1.614	2.447	15.8	19.6

112561 2002 PM_{47} 2 13.1 87°.80 3°.8/16.6 18

1 12	10 4.11	− 0 2.5	2.158	2.951	13.2	19.6
1 22	9 59.29	+ 0 8.1	2.082	2.959	10.3	19.4
2 1	9 52.77	+ 0 36.2	2.030	2.967	7.1	19.2
2 11	9 45.21	+ 1 19.8	2.005	2.974	4.4	19.1
2 21	9 37.42	+ 2 15.1	2.009	2.982	4.1	19.1
3 2	9 30.26	+ 3 16.7	2.042	2.989	6.7	19.2
3 12	9 24.52	+ 4 18.8	2.102	2.997	9.9	19.4
3 22	9 20.70	+ 5 16.4	2.186	3.004	12.7	19.6

198514 2004 XW_{87} 2 13.1 38°.29 2°.9/11.3 18

1 12	10 8.12	+17 7.1	1.251	2.119	16.3	19.6
1 22	10 3.13	+18 5.4	1.200	2.129	11.7	19.4
2 1	9 55.27	+19 12.0	1.172	2.140	6.6	19.1
2 11	9 45.67	+20 17.1	1.169	2.152	2.9	18.9
2 21	9 35.85	+21 11.1	1.191	2.164	6.2	19.1
3 2	9 27.37	+21 47.1	1.238	2.177	11.1	19.4
3 12	9 21.46	+22 2.5	1.308	2.190	15.5	19.7
3 22	9 18.74	+21 58.2	1.396	2.204	19.2	20.0

318109 2004 JG_{2} 2 13.1 239°.67 2°.3/15.3 17

1 12	10 5.72	+ 3 12.7	2.261	3.063	12.4	21.3
1 22	10 0.58	+ 3 47.2	2.160	3.048	9.5	21.1
2 1	9 53.61	+ 4 38.4	2.084	3.032	6.1	20.9
2 11	9 45.40	+ 5 43.4	2.036	3.015	2.9	20.6
2 21	9 36.74	+ 6 57.4	2.019	2.997	3.3	20.6
3 2	9 28.54	+ 8 14.7	2.032	2.979	6.8	20.8
3 12	9 21.66	+ 9 28.9	2.073	2.961	10.3	21.0
3 22	9 16.72	+10 35.3	2.138	2.942	13.5	21.2

184874 2005 UQ_{160} 2 13.1 188°.42 2°.5/10.7 16

1 12	10 8.00	+19 1.5	2.284	3.127	10.9	21.2
1 22	10 2.14	+19 59.6	2.209	3.126	7.8	21.0
2 1	9 54.42	+21 1.7	2.161	3.125	4.5	20.7
2 11	9 45.53	+22 1.6	2.143	3.123	2.5	20.6
2 21	9 36.34	+22 53.7	2.155	3.121	4.7	20.7
3 2	9 27.81	+23 33.4	2.197	3.118	8.0	20.9
3 12	9 20.78	+23 58.5	2.264	3.114	11.1	21.1
3 22	9 15.82	+24 8.8	2.354	3.110	13.8	21.3

318809 2005 SV_{166} 2 13.1 69°.61 19°.8/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 36.48	+52 41.6	1.048	1.864	22.7	19.8
1 22	10 25.60	+54 26.6	1.028	1.875	20.8	19.8
2 1	10 8.40	+55 28.7	1.025	1.886	19.9	19.7
2 11	9 47.92	+55 29.3	1.040	1.897	20.0	19.8
2 21	9 28.34	+54 23.1	1.073	1.909	21.2	19.9
3 2	9 13.21	+52 19.0	1.122	1.920	23.1	20.1
3 12	9 4.17	+49 34.7	1.187	1.932	25.1	20.3
3 22	9 1.04	+46 27.5	1.266	1.944	26.9	20.5

234981 2003 AB_{33} 2 13.1 51°.65 3°.3/11.2 18

1 12	10 10.41	+17 48.5	1.161	2.031	17.2	19.7
1 22	10 4.90	+18 47.2	1.116	2.045	12.3	19.4
2 1	9 56.29	+19 53.2	1.092	2.060	7.0	19.2
2 11	9 45.86	+20 55.9	1.093	2.076	3.3	19.0
2 21	9 35.29	+21 45.2	1.120	2.092	6.7	19.3
3 2	9 26.27	+22 14.7	1.171	2.109	11.7	19.6
3 12	9 20.07	+22 22.6	1.243	2.125	16.2	19.9
3 22	9 17.27	+22 10.6	1.334	2.142	19.9	20.2

279981 2001 TJ_{167} 2 13.1 50°.00 19°.1/ 5.1 17

1 12	10 37.26	+56 27.7	1.224	2.015	21.5	19.9
1 22	10 25.38	+57 54.2	1.218	2.036	20.0	19.9
2 1	10 7.80	+58 36.9	1.228	2.058	19.2	19.9
2 11	9 47.76	+58 22.1	1.256	2.081	19.3	20.0
2 21	9 29.14	+57 8.0	1.302	2.104	20.1	20.1
3 2	9 14.98	+55 3.9	1.366	2.128	21.4	20.3
3 12	9 6.53	+52 25.3	1.446	2.152	22.9	20.5
3 22	9 3.49	+49 27.1	1.540	2.176	24.2	20.7

219641 2001 UQ_{76} 2 13.1 187°.92 5°.3/ 8.1 18

1 12	10 11.05	+28 52.0	2.317	3.160	10.7	21.4
1 22	10 4.41	+29 58.5	2.251	3.160	8.1	21.2
2 1	9 55.72	+31 1.0	2.212	3.159	5.9	21.1
2 11	9 45.77	+31 52.1	2.202	3.157	5.4	21.1
2 21	9 35.55	+32 26.5	2.222	3.154	7.1	21.2
3 2	9 26.11	+32 41.1	2.269	3.151	9.7	21.3
3 12	9 18.37	+32 36.0	2.341	3.148	12.3	21.5
3 22	9 12.93	+32 13.5	2.434	3.143	14.5	21.6

302006 2000 RM_{34} 2 13.1 161°.72 0°.7/12.6 18

1 12	10 12.94	+14 22.1	2.033	2.863	12.5	21.7
1 22	10 5.74	+14 42.0	1.961	2.871	9.0	21.5
2 1	9 56.45	+15 8.2	1.915	2.878	5.1	21.2
2 11	9 45.90	+15 36.2	1.898	2.884	1.0	20.9
2 21	9 35.12	+16 1.2	1.912	2.889	3.7	21.2
3 2	9 25.20	+16 19.4	1.955	2.893	7.7	21.4
3 12	9 17.08	+16 28.3	2.026	2.897	11.3	21.6
3 22	9 11.33	+16 27.2	2.119	2.899	14.4	21.9

283534 2001 TQ_{208} 2 13.1 111°.59 1°.3/12.2 18

1 12	10 12.29	+14 48.9	1.585	2.430	14.7	21.8
1 22	10 5.62	+15 27.9	1.528	2.446	10.5	21.5
2 1	9 56.49	+16 15.0	1.496	2.461	5.8	21.3
2 11	9 45.91	+17 3.5	1.491	2.476	1.5	21.0
2 21	9 35.16	+17 46.4	1.515	2.491	4.6	21.3
3 2	9 25.58	+18 18.1	1.566	2.505	9.2	21.6
3 12	9 18.24	+18 35.9	1.643	2.519	13.2	21.9
3 22	9 13.70	+18 39.5	1.740	2.532	16.6	22.1

95667 2002 GO_{146} 2 13.1 0°.42 2°.3/11.3 18

1 12	10 5.22	+16 19.9	1.684	2.540	13.4	19.6
1 22	10 0.62	+17 20.1	1.615	2.539	9.6	19.4
2 1	9 53.75	+18 28.6	1.572	2.539	5.4	19.1
2 11	9 45.44	+19 38.0	1.555	2.539	2.3	18.9
2 21	9 36.79	+20 40.4	1.566	2.539	5.1	19.1
3 2	9 29.00	+21 29.5	1.605	2.539	9.4	19.4
3 12	9 23.10	+22 1.5	1.667	2.540	13.2	19.6
3 22	9 19.72	+22 15.8	1.751	2.542	16.5	19.8

348876 2006 SR_{201} 2 13.1 159°.12 0°.4/12.7 17

1 12	10 4.70	+13 12.9	2.570	3.403	10.2	21.8
1 22	9 59.53	+13 41.5	2.494	3.405	7.3	21.6
2 1	9 52.85	+14 16.6	2.444	3.408	4.1	21.4
2 11	9 45.26	+14 54.4	2.424	3.410	0.7	21.1
2 21	9 37.47	+15 31.0	2.434	3.412	2.9	21.3
3 2	9 30.23	+16 2.8	2.474	3.414	6.2	21.5
3 12	9 24.24	+16 27.1	2.542	3.416	9.2	21.7
3 22	9 19.94	+16 42.5	2.633	3.417	11.8	21.9

498776 2008 UC_{115} 2 13.1 267°.15 4°.1/ 9.9 17

1 12	10 9.03	+24 21.4	2.077	2.927	11.5	20.9
1 22	10 3.05	+25 2.7	2.006	2.924	8.4	20.7
2 1	9 54.99	+25 42.8	1.961	2.920	5.4	20.5
2 11	9 45.65	+26 15.5	1.945	2.917	4.1	20.4
2 21	9 36.05	+26 35.4	1.957	2.914	6.0	20.6
3 2	9 27.27	+26 39.4	1.998	2.910	9.2	20.7
3 12	9 20.25	+26 27.0	2.063	2.907	12.3	20.9
3 22	9 15.56	+25 59.8	2.150	2.904	15.0	21.1

143137 2002 XK_{38} 2 13.1 87°.13 1°.5/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 9.15	+15 31.3	1.704	2.552	13.7	20.6
1 22	10 3.28	+16 9.8	1.644	2.563	9.8	20.4
2 1	9 55.15	+16 55.5	1.609	2.575	5.4	20.1
2 11	9 45.68	+17 42.0	1.601	2.586	1.6	19.9
2 21	9 36.01	+18 22.9	1.622	2.597	4.5	20.1
3 2	9 27.35	+18 53.2	1.670	2.609	8.8	20.4
3 12	9 20.69	+19 10.1	1.744	2.620	12.6	20.6
3 22	9 16.59	+19 13.1	1.839	2.631	15.8	20.9

175259 Offenberger 2 13.1 118°.60 3°.2/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.00	+23 5.4	2.746	3.590	9.2	21.1
1 22	10 0.37	+24 5.8	2.691	3.607	6.6	20.9
2 1	9 53.28	+25 5.8	2.664	3.623	4.2	20.8
2 11	9 45.33	+26 0.2	2.668	3.639	3.2	20.8
2 21	9 37.26	+26 44.7	2.702	3.655	4.8	20.9
3 2	9 29.82	+27 16.2	2.765	3.670	7.3	21.1
3 12	9 23.67	+27 33.6	2.855	3.684	9.7	21.2
3 22	9 19.23	+27 37.5	2.967	3.699	11.7	21.4

265769 2005 WY_{32} 2 13.1 130°.23 4°.0/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.14	+22 23.0	1.893	2.748	12.3	20.6
1 22	10 2.55	+23 25.5	1.829	2.750	8.9	20.4
2 1	9 54.76	+24 29.4	1.791	2.752	5.5	20.2
2 11	9 45.62	+25 27.0	1.780	2.754	4.0	20.1
2 21	9 36.21	+26 11.6	1.798	2.756	6.3	20.3
3 2	9 27.67	+26 38.8	1.843	2.758	9.7	20.5
3 12	9 20.98	+26 47.2	1.913	2.760	13.0	20.7
3 22	9 16.76	+26 38.2	2.003	2.762	15.8	20.9

24817 1994 WJ 2 13.1 100°.43 3°.0/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.68	+19 46.8	1.939	2.784	12.4	19.1
1 22	10 4.78	+20 43.6	1.893	2.810	8.9	18.9
2 1	9 55.85	+21 42.3	1.873	2.836	5.1	18.8
2 11	9 45.79	+22 35.9	1.882	2.861	3.0	18.7
2 21	9 35.70	+23 18.5	1.921	2.886	5.2	18.9
3 2	9 26.66	+23 46.2	1.988	2.910	8.7	19.1
3 12	9 19.54	+23 57.9	2.081	2.933	11.9	19.3
3 22	9 14.83	+23 54.7	2.196	2.956	14.5	19.6

68030 2000 YL_{28} 2 13.1 323°.37 0°.0/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.20	+ 7 51.4	1.529	2.377	15.0	18.3
1 22	9 58.08	+ 9 16.8	1.437	2.355	11.1	18.0
2 1	9 52.54	+11 6.3	1.368	2.333	6.4	17.7
2 11	9 45.28	+13 12.9	1.326	2.312	1.1	17.3
2 21	9 37.34	+15 25.5	1.311	2.291	4.3	17.5
3 2	9 30.02	+17 32.0	1.324	2.272	9.6	17.7
3 12	9 24.54	+19 21.8	1.362	2.253	14.4	17.9
3 22	9 21.74	+20 48.8	1.420	2.235	18.5	18.2

338151 2002 QX_{131} 2 13.1 70°.78 1°.3/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.79	+13 4.3	1.214	2.069	17.6	21.5
1 22	10 6.29	+14 2.6	1.176	2.098	12.5	21.3
2 1	9 56.92	+15 13.1	1.160	2.127	6.9	21.1
2 11	9 45.98	+16 26.0	1.170	2.156	1.5	20.8
2 21	9 35.09	+17 31.2	1.206	2.184	5.2	21.1
3 2	9 25.80	+18 21.3	1.269	2.212	10.4	21.5
3 12	9 19.27	+18 52.9	1.355	2.240	14.9	21.8
3 22	9 15.98	+19 5.9	1.460	2.268	18.4	22.1

412946 2014 QX_{228} 2 13.1 144°.39 0°.2/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.06	+11 2.3	1.760	2.596	13.9	21.9
1 22	10 3.22	+11 31.4	1.690	2.602	10.1	21.7
2 1	9 55.15	+12 12.2	1.644	2.607	5.8	21.4
2 11	9 45.70	+12 59.3	1.625	2.611	1.1	21.1
2 21	9 35.95	+13 46.8	1.636	2.616	3.7	21.3
3 2	9 27.08	+14 28.9	1.675	2.620	8.2	21.6
3 12	9 20.11	+15 1.3	1.740	2.624	12.2	21.8
3 22	9 15.63	+15 21.9	1.826	2.627	15.5	22.1

163538 2002 TF_{67} 2 13.1 55°.75 0°.3/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.99	+ 6 24.1	1.881	2.705	13.7	19.3
1 22	10 0.67	+ 8 9.7	1.837	2.743	9.9	19.2
2 1	9 53.53	+10 10.6	1.819	2.780	5.6	19.0
2 11	9 45.38	+12 18.3	1.832	2.817	1.1	18.7
2 21	9 37.19	+14 23.3	1.875	2.855	3.3	19.0
3 2	9 29.91	+16 16.9	1.949	2.892	7.4	19.3
3 12	9 24.32	+17 53.2	2.050	2.928	10.9	19.6
3 22	9 20.88	+19 9.8	2.175	2.965	13.7	19.8

116926 2004 GY_{26} 2 13.1 212°.05 3°.3/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.16	− 1 49.9	2.871	3.644	10.8	20.0
1 22	9 57.64	− 1 24.2	2.776	3.639	8.5	19.8
2 1	9 51.79	− 0 43.1	2.705	3.633	6.1	19.6
2 11	9 45.10	+ 0 11.7	2.663	3.627	3.9	19.5
2 21	9 38.16	+ 1 16.9	2.652	3.621	3.6	19.5
3 2	9 31.63	+ 2 28.4	2.670	3.615	5.5	19.6
3 12	9 26.09	+ 3 41.2	2.718	3.608	8.1	19.7
3 22	9 22.01	+ 4 50.8	2.792	3.601	10.5	19.9

222444 2001 QJ_{121} 2 13.1 204°.44 0°.8/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 7.03	+12 45.2	2.029	2.866	12.3	21.0
1 22	10 1.64	+13 38.0	1.949	2.863	8.9	20.7
2 1	9 54.24	+14 41.1	1.894	2.859	4.9	20.5
2 11	9 45.56	+15 48.7	1.868	2.854	1.0	20.2
2 21	9 36.51	+16 54.5	1.873	2.850	3.8	20.4
3 2	9 28.12	+17 52.3	1.906	2.845	7.8	20.6
3 12	9 21.32	+18 38.0	1.966	2.839	11.5	20.8
3 22	9 16.73	+19 9.6	2.048	2.833	14.6	21.0

293504 2007 GZ_{12} 2 13.1 200°.67 1°.7/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.86	+ 5 37.4	1.988	2.808	13.2	21.2
1 22	10 0.06	+ 6 15.5	1.907	2.807	9.9	21.0
2 1	9 53.34	+ 7 9.6	1.851	2.806	6.1	20.8
2 11	9 45.40	+ 8 15.8	1.822	2.805	2.3	20.5
2 21	9 37.13	+ 9 28.1	1.823	2.804	3.2	20.6
3 2	9 29.50	+10 40.1	1.853	2.802	7.2	20.8
3 12	9 23.41	+11 45.7	1.910	2.801	10.9	21.0
3 22	9 19.45	+12 40.7	1.989	2.799	14.1	21.2

167055 2003 QF_{80} 2 13.1 99°.94 1°.3/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.37	+15 11.9	1.692	2.534	14.1	20.7
1 22	10 5.52	+15 43.9	1.638	2.555	10.1	20.5
2 1	9 56.37	+16 22.8	1.610	2.575	5.6	20.2
2 11	9 45.92	+17 2.2	1.609	2.594	1.4	20.0
2 21	9 35.39	+17 36.2	1.637	2.614	4.3	20.2
3 2	9 26.00	+18 0.3	1.694	2.633	8.7	20.5
3 12	9 18.74	+18 11.9	1.776	2.651	12.5	20.8
3 22	9 14.13	+18 11.1	1.880	2.669	15.6	21.1

422980 2003 QB_{29} 2 13.1 148°.20 2°.0/12.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.57	+19 27.1	1.134	1.983	19.0	20.7
1 22	10 16.91	+19 0.7	1.071	1.989	13.9	20.4
2 1	10 3.26	+18 34.1	1.030	1.995	8.0	20.1
2 11	9 47.19	+18 0.9	1.015	2.000	2.3	19.8
2 21	9 30.85	+17 16.8	1.027	2.004	6.0	20.0
3 2	9 16.54	+16 21.6	1.066	2.008	12.1	20.4
3 12	9 5.90	+15 17.8	1.128	2.011	17.4	20.7
3 22	8 59.60	+14 8.6	1.209	2.014	21.7	21.0

336545 2009 BF_{96} 2 13.1 48°.01 1°.8/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.56	+16 57.2	1.900	2.750	12.4	20.8
1 22	10 1.22	+17 33.5	1.844	2.764	8.8	20.6
2 1	9 53.92	+18 14.8	1.813	2.779	4.9	20.4
2 11	9 45.50	+18 55.2	1.810	2.794	1.8	20.2
2 21	9 36.94	+19 29.5	1.836	2.810	4.3	20.4
3 2	9 29.29	+19 53.4	1.890	2.825	8.1	20.7
3 12	9 23.38	+20 4.8	1.969	2.841	11.5	20.9
3 22	9 19.73	+20 3.5	2.070	2.857	14.4	21.2

224535 2005 WH_{114} 2 13.1 132°.94 4°.1/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.06	+24 24.9	2.223	3.068	11.0	21.1
1 22	10 3.60	+25 23.2	2.166	3.081	8.0	20.9
2 1	9 55.22	+26 20.1	2.136	3.094	5.2	20.7
2 11	9 45.73	+27 9.0	2.136	3.105	4.1	20.7
2 21	9 36.08	+27 44.5	2.165	3.117	5.9	20.8
3 2	9 27.29	+28 3.6	2.223	3.128	8.8	21.0
3 12	9 20.19	+28 5.8	2.306	3.138	11.6	21.2
3 22	9 15.30	+27 52.6	2.411	3.148	14.0	21.4

347092 2010 GJ_{132} 2 13.1 167°.27 4°.5/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.81	+28 26.3	2.698	3.541	9.4	21.5
1 22	10 1.81	+29 16.7	2.634	3.544	7.1	21.4
2 1	9 54.16	+30 3.3	2.598	3.546	5.1	21.2
2 11	9 45.54	+30 40.8	2.591	3.549	4.5	21.2
2 21	9 36.75	+31 4.9	2.614	3.551	6.0	21.3
3 2	9 28.62	+31 13.5	2.665	3.552	8.2	21.5
3 12	9 21.89	+31 6.3	2.742	3.554	10.5	21.6
3 22	9 17.05	+30 44.9	2.841	3.555	12.6	21.8

157557 2005 UK_{104} 2 13.1 18°.55 1°.6/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.79	+ 7 16.9	1.753	2.584	14.2	20.4
1 22	10 0.91	+ 7 39.1	1.679	2.585	10.6	20.2
2 1	9 53.89	+ 8 16.4	1.628	2.586	6.4	19.9
2 11	9 45.52	+ 9 4.9	1.604	2.587	2.2	19.6
2 21	9 36.82	+ 9 58.9	1.608	2.589	3.5	19.7
3 2	9 28.91	+10 52.1	1.640	2.591	7.8	20.0
3 12	9 22.76	+11 38.9	1.698	2.592	11.8	20.2
3 22	9 19.00	+12 15.5	1.778	2.594	15.3	20.5

208727 2002 KZ_{3} 2 13.1 310°.74 6°.8/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.73	− 8 14.9	1.412	2.197	19.3	19.4
1 22	9 58.71	− 7 22.2	1.307	2.171	16.1	19.1
2 1	9 53.06	− 5 46.3	1.221	2.145	12.1	18.8
2 11	9 45.43	− 3 26.1	1.159	2.119	8.3	18.5
2 21	9 36.93	− 0 27.9	1.123	2.094	6.9	18.4
3 2	9 28.97	+ 2 54.2	1.114	2.069	9.9	18.5
3 12	9 22.95	+ 6 20.9	1.131	2.045	14.7	18.6
3 22	9 19.89	+ 9 34.3	1.172	2.022	19.4	18.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
53795 2000 EB_{111}			2 13.1 196°.71	4°.2/ 9.1 18		
	h m	° ′			°	m
1 12	10 7.47	+25 24.0	2.335	3.184	10.5	19.0
1 22	10 1.79	+26 21.3	2.267	3.183	7.7	18.8
2 1	9 54.25	+27 17.2	2.226	3.181	5.2	18.7
2 11	9 45.57	+28 5.5	2.213	3.180	4.3	18.6
2 21	9 36.64	+28 40.9	2.230	3.178	6.1	18.7
3 2	9 28.41	+29 0.1	2.275	3.176	8.8	18.9
3 12	9 21.73	+29 2.3	2.345	3.173	11.5	19.1
3 22	9 17.12	+28 48.8	2.436	3.171	13.9	19.2
249434 2009 FN_{16}			2 13.1 195°.94	5°.6/ 7.4 17		
1 12	10 12.58	+35 12.9	2.969	3.795	9.1	20.8
1 22	10 5.14	+35 49.1	2.903	3.793	7.3	20.6
2 1	9 56.00	+36 17.0	2.864	3.790	5.9	20.5
2 11	9 45.88	+36 31.4	2.855	3.786	5.7	20.5
2 21	9 35.63	+36 29.2	2.875	3.783	6.8	20.6
3 2	9 26.14	+36 9.2	2.924	3.779	8.6	20.7
3 12	9 18.17	+35 32.7	2.998	3.774	10.6	20.8
3 22	9 12.19	+34 42.4	3.094	3.770	12.3	21.0
413944 2006 YE_{46}			2 13.1 60°.51	4°.9/ 8.9 18		
1 12	10 7.17	+21 25.9	1.557	2.421	13.9	20.3
1 22	10 2.13	+23 15.2	1.512	2.437	10.0	20.1
2 1	9 54.63	+25 7.1	1.492	2.454	6.3	19.9
2 11	9 45.65	+26 50.4	1.499	2.471	5.0	19.9
2 21	9 36.47	+28 15.0	1.534	2.488	7.6	20.1
3 2	9 28.38	+29 14.7	1.595	2.505	11.3	20.3
3 12	9 22.47	+29 48.1	1.679	2.523	14.7	20.6
3 22	9 19.31	+29 57.4	1.782	2.540	17.5	20.8
330038 2005 UA_{234}			2 13.1 31°.57	3°.1/10.8 18		
1 12	10 6.54	+18 27.0	1.572	2.433	14.0	20.5
1 22	10 1.66	+19 28.8	1.514	2.439	10.0	20.3
2 1	9 54.37	+20 36.5	1.480	2.446	5.7	20.1
2 11	9 45.62	+21 41.7	1.472	2.453	3.1	19.9
2 21	9 36.60	+22 36.3	1.492	2.461	5.9	20.1
3 2	9 28.61	+23 14.4	1.538	2.469	10.0	20.3
3 12	9 22.70	+23 33.6	1.609	2.478	13.8	20.6
3 22	9 19.47	+23 34.3	1.698	2.487	17.1	20.8
197092 2003 UX_{183}			2 13.1 52°.78	2°.8/15.4 18		
1 12	10 4.84	+ 3 45.4	1.924	2.739	13.8	20.3
1 22	10 0.00	+ 3 58.3	1.854	2.748	10.5	20.1
2 1	9 53.28	+ 4 27.5	1.808	2.757	6.8	19.9
2 11	9 45.42	+ 5 10.0	1.788	2.766	3.4	19.7
2 21	9 37.32	+ 6 1.3	1.797	2.775	3.7	19.7
3 2	9 29.97	+ 6 55.6	1.834	2.785	7.1	20.0
3 12	9 24.21	+ 7 47.3	1.898	2.795	10.7	20.2
3 22	9 20.58	+ 8 32.0	1.985	2.804	13.8	20.4
129034 2004 TH_{360}			2 13.1 206°.57	1°.5/14.3 18		
1 12	10 7.06	+ 8 4.5	2.034	2.858	12.8	20.2
1 22	10 1.60	+ 8 13.7	1.954	2.857	9.5	20.0
2 1	9 54.21	+ 8 34.8	1.898	2.855	5.8	19.7
2 11	9 45.59	+ 9 4.5	1.870	2.853	2.0	19.5
2 21	9 36.67	+ 9 38.9	1.872	2.852	3.2	19.6
3 2	9 28.42	+10 13.1	1.902	2.850	7.1	19.8
3 12	9 21.74	+10 43.2	1.959	2.848	10.8	20.0
3 22	9 17.21	+11 6.0	2.039	2.846	13.9	20.2
167605 2004 BA_{151}			2 13.1 346°.86	4°.1/16.5 18		
1 12	10 1.90	+ 0 37.5	1.733	2.547	15.1	20.1
1 22	9 58.19	+ 0 45.4	1.650	2.539	11.8	19.8
2 1	9 52.41	+ 1 14.5	1.589	2.532	8.2	19.6
2 11	9 45.28	+ 2 3.0	1.554	2.526	4.9	19.4
2 21	9 37.76	+ 3 6.3	1.545	2.521	4.7	19.4
3 2	9 30.91	+ 4 17.6	1.563	2.516	7.9	19.5
3 12	9 25.70	+ 5 29.2	1.607	2.512	11.7	19.7
3 22	9 22.79	+ 6 34.7	1.673	2.510	15.2	20.0
143147 2002 XT_{42}			2 13.1 151°.75	1°.2/12.1 18		
1 12	10 8.86	+14 51.0	2.072	2.909	12.0	20.5
1 22	10 2.84	+15 35.4	2.003	2.917	8.6	20.3
2 1	9 54.86	+16 26.9	1.960	2.924	4.8	20.1
2 11	9 45.70	+17 19.8	1.946	2.931	1.3	19.9
2 21	9 36.31	+18 8.4	1.962	2.937	3.9	20.1
3 2	9 27.68	+18 48.0	2.008	2.943	7.7	20.3
3 12	9 20.71	+19 15.5	2.080	2.948	11.2	20.5
3 22	9 15.94	+19 30.1	2.174	2.952	14.1	20.7
186152 2001 UL_{61}			2 13.1 113°.32	0°.7/13.7 18		
1 12	10 7.78	+ 9 28.7	1.900	2.730	13.3	20.7
1 22	10 2.14	+ 9 55.2	1.832	2.740	9.7	20.5
2 1	9 54.50	+10 33.6	1.789	2.750	5.7	20.3
2 11	9 45.64	+11 19.4	1.774	2.760	1.4	20.0
2 21	9 36.56	+12 7.1	1.788	2.769	3.3	20.2
3 2	9 28.30	+12 51.5	1.831	2.778	7.5	20.5
3 12	9 21.76	+13 28.0	1.901	2.787	11.2	20.7
3 22	9 17.49	+13 54.3	1.992	2.795	14.4	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
497705 2006 SF_{97}			2 13.1 152°.50	4°.2/ 8.9 17		
	h m	° ′			°	m
1 12	10 7.81	+27 16.0	2.635	3.479	9.6	21.7
1 22	10 1.82	+28 0.9	2.571	3.483	7.1	21.6
2 1	9 54.18	+28 42.5	2.535	3.487	4.9	21.4
2 11	9 45.57	+29 15.7	2.528	3.491	4.2	21.4
2 21	9 36.81	+29 36.3	2.551	3.494	5.7	21.5
3 2	9 28.74	+29 42.1	2.603	3.497	8.1	21.7
3 12	9 22.08	+29 32.9	2.680	3.501	10.5	21.8
3 22	9 17.32	+29 10.2	2.779	3.503	12.6	22.0
283540 2001 UA_{19}			2 13.1 200°.03	5°.0/ 9.6 18		
1 12	10 13.38	+24 10.3	1.702	2.554	13.5	21.0
1 22	10 6.67	+25 14.8	1.633	2.551	10.0	20.7
2 1	9 57.27	+26 19.3	1.589	2.548	6.5	20.5
2 11	9 46.16	+27 14.7	1.573	2.544	5.1	20.4
2 21	9 34.65	+27 53.1	1.585	2.539	7.4	20.6
3 2	9 24.16	+28 9.9	1.624	2.534	11.1	20.8
3 12	9 15.92	+28 4.7	1.687	2.529	14.7	21.0
3 22	9 10.63	+27 40.1	1.770	2.522	17.8	21.2
163461 2002 RY_{157}			2 13.1 18°.33	0°.1/13.1 18		
1 12	10 5.77	+12 23.8	1.719	2.565	13.7	19.8
1 22	10 0.89	+12 40.9	1.653	2.570	9.9	19.6
2 1	9 53.87	+13 7.8	1.610	2.575	5.6	19.3
2 11	9 45.54	+13 39.8	1.595	2.581	1.0	19.0
2 21	9 36.98	+14 11.5	1.608	2.588	3.7	19.2
3 2	9 29.30	+14 38.0	1.648	2.595	8.1	19.5
3 12	9 23.45	+14 55.8	1.713	2.603	12.0	19.8
3 22	9 20.02	+15 2.8	1.800	2.611	15.3	20.0
95769 2003 EF_{48}			2 13.1 316°.15	6°.2/16.0 17		
1 12	10 8.71	+ 1 0.3	1.555	2.366	16.7	18.9
1 22	10 3.55	− 0 1.6	1.458	2.343	13.4	18.6
2 1	9 55.71	− 0 47.2	1.383	2.320	9.8	18.4
2 11	9 45.93	− 1 14.5	1.333	2.298	6.7	18.1
2 21	9 35.37	− 1 23.5	1.309	2.277	6.7	18.1
3 2	9 25.42	− 1 16.9	1.311	2.256	10.0	18.2
3 12	9 17.42	− 1 0.1	1.337	2.235	14.1	18.4
3 22	9 12.28	− 0 39.1	1.383	2.216	18.0	18.6
265507 2005 JJ_{56}			2 13.1 134°.22	2°.1/11.1 18		
1 12	10 8.33	+16 31.0	2.221	3.061	11.3	21.6
1 22	10 2.35	+17 47.7	2.161	3.076	8.0	21.4
2 1	9 54.55	+19 10.2	2.127	3.091	4.5	21.2
2 11	9 45.66	+20 31.6	2.124	3.106	2.1	21.0
2 21	9 36.56	+21 45.5	2.151	3.120	4.4	21.2
3 2	9 28.21	+22 46.5	2.209	3.133	7.8	21.5
3 12	9 21.40	+23 31.8	2.293	3.145	10.9	21.7
3 22	9 16.67	+24 0.9	2.400	3.156	13.5	21.9
506307 2017 OR			2 13.1 185°.48	4°.7/17.6 17		
1 12	10 6.11	− 3 47.3	2.635	3.394	12.0	22.1
1 22	10 0.57	− 3 57.9	2.544	3.394	9.7	21.9
2 1	9 53.51	− 3 52.5	2.478	3.393	7.2	21.8
2 11	9 45.48	− 3 31.6	2.440	3.392	5.2	21.6
2 21	9 37.18	− 2 57.2	2.431	3.390	4.8	21.6
3 2	9 29.36	− 2 12.8	2.452	3.388	6.5	21.7
3 12	9 22.72	− 1 23.1	2.501	3.385	8.9	21.8
3 22	9 17.75	− 0 32.6	2.575	3.382	11.4	22.0
433041 2012 SL_{32}			2 13.1 212°.65	4°.4/17.5 17		
1 12	10 4.24	− 3 9.7	2.469	3.239	12.4	22.3
1 22	9 59.34	− 3 5.4	2.376	3.234	10.0	22.1
2 1	9 52.87	− 2 43.6	2.307	3.229	7.3	21.9
2 11	9 45.37	− 2 5.3	2.266	3.224	5.0	21.7
2 21	9 37.58	− 1 13.2	2.253	3.218	4.6	21.7
3 2	9 30.26	− 0 11.8	2.270	3.212	6.6	21.8
3 12	9 24.14	+ 0 53.6	2.315	3.205	9.3	22.0
3 22	9 19.75	+ 1 57.6	2.384	3.199	11.9	22.1
358633 2007 VY_{214}			2 13.1 219°.11	1°.8/11.6 17		
1 12	10 9.40	+15 53.4	2.000	2.841	12.3	22.0
1 22	10 3.49	+16 50.3	1.916	2.832	8.8	21.8
2 1	9 55.39	+17 55.3	1.857	2.822	5.0	21.5
2 11	9 45.85	+19 1.8	1.827	2.811	1.9	21.3
2 21	9 35.86	+20 3.1	1.828	2.800	4.5	21.4
3 2	9 26.53	+20 53.2	1.857	2.788	8.6	21.7
3 12	9 18.88	+21 28.6	1.913	2.776	12.3	21.9
3 22	9 13.58	+21 48.2	1.990	2.762	15.4	22.0
296059 2009 AD_{37}			2 13.1 246°.59	3°.7/10.3 18		
1 12	10 8.86	+19 1.5	1.593	2.451	14.0	20.5
1 22	10 3.56	+20 19.1	1.519	2.443	10.1	20.2
2 1	9 55.61	+21 44.3	1.470	2.435	6.0	19.9
2 11	9 45.91	+23 7.5	1.448	2.427	3.7	19.8
2 21	9 35.67	+24 19.2	1.453	2.419	6.6	19.9
3 2	9 26.32	+25 12.0	1.486	2.410	10.9	20.2
3 12	9 19.09	+25 42.6	1.542	2.401	14.9	20.4
3 22	9 14.74	+25 51.5	1.617	2.392	18.3	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
453922 2011 WH_{59}			2 13.1 52°.80	0°.7/12.7 18		
	h m	° ′			°	m
1 12	10 8.49	+12 20.4	1.334	2.189	16.3	21.5
1 22	10 3.22	+13 3.8	1.284	2.206	11.7	21.3
2 1	9 55.29	+14 0.2	1.256	2.223	6.5	21.0
2 11	9 45.82	+15 1.9	1.254	2.240	1.2	20.7
2 21	9 36.18	+16 0.1	1.278	2.258	4.6	21.0
3 2	9 27.81	+16 47.7	1.329	2.275	9.7	21.3
3 12	9 21.83	+17 20.1	1.403	2.294	14.1	21.6
3 22	9 18.80	+17 36.1	1.497	2.312	17.7	21.9
290891 2005 WD_{84}			2 13.1 312°.38	5°.2/16.7 18		
1 12	10 5.93	− 0 18.3	1.737	2.539	15.6	20.3
1 22	10 1.17	− 0 40.2	1.649	2.529	12.4	20.0
2 1	9 54.16	− 0 42.4	1.584	2.519	8.9	19.8
2 11	9 45.65	− 0 25.0	1.544	2.510	5.8	19.6
2 21	9 36.65	+ 0 9.3	1.530	2.501	5.6	19.6
3 2	9 28.31	+ 0 55.5	1.544	2.492	8.5	19.7
3 12	9 21.72	+ 1 46.8	1.583	2.483	12.2	19.9
3 22	9 17.56	+ 2 36.8	1.644	2.475	15.7	20.1
284639 2007 VB_{323}			2 13.1 190°.57	5°.7/18.5 17		
1 12	10 5.21	− 6 20.0	2.536	3.284	12.7	20.4
1 22	10 0.00	− 6 46.6	2.447	3.284	10.5	20.2
2 1	9 53.22	− 6 55.9	2.382	3.283	8.2	20.0
2 11	9 45.45	− 6 47.5	2.343	3.282	6.3	19.9
2 21	9 37.40	− 6 22.7	2.332	3.281	5.8	19.9
3 2	9 29.83	− 5 44.9	2.350	3.279	7.1	20.0
3 12	9 23.47	− 4 58.6	2.396	3.278	9.4	20.1
3 22	9 18.82	− 4 8.9	2.465	3.276	11.7	20.2
410364 2007 VM_{76}			2 13.1 109°.50	2°.7/11.1 18		
1 12	10 11.36	+18 13.3	1.764	2.611	13.4	21.5
1 22	10 4.82	+19 10.0	1.711	2.630	9.5	21.3
2 1	9 56.04	+20 11.1	1.683	2.648	5.4	21.1
2 11	9 45.95	+21 9.0	1.684	2.666	2.7	20.9
2 21	9 35.73	+21 56.8	1.714	2.683	5.2	21.1
3 2	9 26.58	+22 29.9	1.772	2.699	9.1	21.4
3 12	9 19.47	+22 46.4	1.855	2.716	12.7	21.7
3 22	9 14.94	+22 47.0	1.959	2.731	15.6	21.9
135095 2001 QJ_{71}			2 13.1 202°.43	4°.4/10.6 16		
1 12	10 20.57	+27 11.3	2.118	2.949	12.1	20.4
1 22	10 11.32	+27 20.5	2.040	2.946	9.0	20.2
2 1	9 59.68	+27 23.6	1.989	2.941	5.9	20.0
2 11	9 46.61	+27 14.6	1.967	2.937	4.4	19.9
2 21	9 33.34	+26 49.6	1.977	2.932	6.2	20.0
3 2	9 21.17	+26 7.8	2.018	2.926	9.4	20.2
3 12	9 11.15	+25 11.3	2.085	2.920	12.6	20.4
3 22	9 3.87	+24 3.5	2.176	2.913	15.3	20.6
178640 2000 JD_{47}			2 13.1 246°.02	6°.5/ 7.8 17		
1 12	10 12.93	+30 47.9	2.035	2.880	11.9	21.0
1 22	10 6.19	+31 51.1	1.959	2.866	9.3	20.8
2 1	9 56.98	+32 48.8	1.909	2.851	7.0	20.6
2 11	9 46.15	+33 32.4	1.887	2.837	6.6	20.5
2 21	9 34.90	+33 55.4	1.893	2.821	8.4	20.6
3 2	9 24.51	+33 54.8	1.925	2.806	11.2	20.8
3 12	9 16.12	+33 31.1	1.982	2.790	14.1	20.9
3 22	9 10.43	+32 47.8	2.058	2.773	16.7	21.1
378869 2008 TB_{106}			2 13.1 112°.21	1°.4/11.9 17		
1 12	10 6.74	+15 48.2	2.116	2.959	11.6	21.3
1 22	10 1.29	+16 30.2	2.049	2.966	8.3	21.1
2 1	9 54.00	+17 18.3	2.009	2.974	4.6	20.9
2 11	9 45.59	+18 6.9	1.997	2.981	1.5	20.7
2 21	9 36.98	+18 50.8	2.014	2.989	3.9	20.9
3 2	9 29.11	+19 25.5	2.061	2.996	7.6	21.1
3 12	9 22.81	+19 48.4	2.134	3.003	10.9	21.3
3 22	9 18.60	+19 58.6	2.229	3.009	13.7	21.5
319861 2006 WJ_{54}			2 13.1 112°.08	0°.5/13.5 18		
1 12	10 9.69	+10 18.6	2.015	2.842	12.8	21.2
1 22	10 3.35	+10 45.4	1.955	2.861	9.3	21.1
2 1	9 55.11	+11 22.2	1.920	2.881	5.3	20.9
2 11	9 45.79	+12 4.6	1.914	2.899	1.2	20.6
2 21	9 36.33	+12 47.5	1.937	2.917	3.2	20.8
3 2	9 27.75	+13 26.2	1.991	2.935	7.2	21.1
3 12	9 20.86	+13 57.1	2.071	2.952	10.7	21.3
3 22	9 16.18	+14 18.1	2.174	2.968	13.6	21.5
163261 2002 GF_{45}			2 13.1 40°.32	0°.1/13.1 18		
1 12	10 8.80	+11 59.0	1.243	2.101	17.1	19.7
1 22	10 3.62	+12 23.5	1.190	2.112	12.4	19.4
2 1	9 55.61	+13 1.7	1.158	2.125	7.0	19.2
2 11	9 45.89	+13 46.8	1.152	2.138	1.2	18.8
2 21	9 35.97	+14 30.8	1.171	2.152	4.6	19.1
3 2	9 27.37	+15 6.7	1.216	2.166	10.0	19.4
3 12	9 21.30	+15 29.7	1.283	2.181	14.7	19.8
3 22	9 18.38	+15 38.3	1.370	2.196	18.5	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
447361 2005 YJ_{281}			2 13.1 97°.92	2°.8/14.6 18		
	h m	° ′			°	m
1 12	10 12.94	+ 7 3.4	1.472	2.300	16.6	21.1
1 22	10 6.32	+ 6 43.6	1.406	2.310	12.4	20.9
2 1	9 57.05	+ 6 39.0	1.364	2.319	7.8	20.7
2 11	9 46.16	+ 6 47.0	1.347	2.329	3.4	20.4
2 21	9 34.99	+ 7 3.4	1.358	2.338	4.4	20.5
3 2	9 24.96	+ 7 23.2	1.397	2.347	8.9	20.8
3 12	9 17.26	+ 7 41.2	1.460	2.356	13.3	21.1
3 22	9 12.52	+ 7 54.0	1.544	2.364	17.0	21.3
62741 2000 TR_{66}			2 13.1 292°.53	0°.1/13.3 18		
1 12	10 4.24	+11 27.4	2.326	3.159	11.1	19.7
1 22	9 59.45	+11 52.2	2.240	3.150	8.1	19.5
2 1	9 52.97	+12 25.8	2.179	3.142	4.6	19.3
2 11	9 45.42	+13 4.5	2.148	3.134	0.9	19.0
2 21	9 37.57	+13 43.9	2.146	3.125	3.0	19.1
3 2	9 30.26	+14 20.0	2.173	3.117	6.6	19.4
3 12	9 24.27	+14 49.1	2.227	3.109	10.0	19.5
3 22	9 20.14	+15 9.2	2.305	3.101	12.9	19.7
93971 2000 XS_{6}			2 13.1 42°.36	6°.6/ 9.0 18		
1 12	10 11.33	+27 25.1	1.412	2.277	15.0	17.9
1 22	10 5.14	+28 31.7	1.381	2.303	11.1	17.7
2 1	9 56.27	+29 31.6	1.374	2.329	7.7	17.6
2 11	9 45.98	+30 15.0	1.392	2.356	6.7	17.6
2 21	9 35.80	+30 35.3	1.437	2.384	8.8	17.8
3 2	9 27.16	+30 30.5	1.506	2.412	12.1	18.0
3 12	9 21.11	+30 2.9	1.597	2.441	15.3	18.3
3 22	9 18.10	+29 17.1	1.707	2.469	18.0	18.6
354874 2006 BB_{43}			2 13.2 315°.08	3°.3/10.9 18		
1 12	10 5.32	+16 24.0	1.241	2.112	16.2	20.2
1 22	10 1.64	+17 41.4	1.161	2.092	11.8	19.8
2 1	9 54.85	+19 13.9	1.104	2.073	6.7	19.5
2 11	9 45.83	+20 50.8	1.071	2.054	3.3	19.2
2 21	9 35.99	+22 19.6	1.064	2.036	7.0	19.4
3 2	9 27.05	+23 29.3	1.081	2.019	12.5	19.6
3 12	9 20.60	+24 13.4	1.120	2.002	17.5	19.9
3 22	9 17.57	+24 31.0	1.175	1.986	21.8	20.1
457494 2008 UM_{362}			2 13.2 51°.07	21°.1/29.1 17		
1 12	10 9.42	−25 47.2	1.075	1.773	29.1	20.9
1 22	10 4.89	−28 14.9	1.026	1.782	27.0	20.7
2 1	9 56.77	−29 53.2	0.988	1.792	24.7	20.6
2 11	9 46.17	−30 30.4	0.963	1.802	22.8	20.5
2 21	9 34.83	−30 1.2	0.953	1.813	21.4	20.4
3 2	9 24.81	−28 29.7	0.959	1.824	21.1	20.4
3 12	9 17.86	−26 10.4	0.982	1.836	21.8	20.5
3 22	9 14.91	−23 22.9	1.020	1.847	23.3	20.7
27789 Astrakhan			2 13.2 17°.98	0°.7/13.9 18		
1 12	10 3.11	+ 8 2.9	2.088	2.917	12.3	17.3
1 22	9 58.74	+ 8 50.7	2.011	2.918	9.0	17.1
2 1	9 52.61	+ 9 52.0	1.960	2.920	5.3	16.8
2 11	9 45.36	+11 2.3	1.936	2.921	1.4	16.6
2 21	9 37.84	+12 15.5	1.942	2.923	3.0	16.7
3 2	9 30.94	+13 25.4	1.978	2.925	6.9	16.9
3 12	9 25.47	+14 26.9	2.040	2.927	10.5	17.1
3 22	9 21.97	+15 16.5	2.125	2.930	13.5	17.4
250262 2003 CQ_{2}			2 13.2 96°.64	3°.7/15.8 18		
1 12	10 10.58	+ 2 34.3	1.894	2.695	14.5	20.0
1 22	10 4.07	+ 2 19.0	1.831	2.715	11.1	19.8
2 1	9 55.55	+ 2 19.8	1.793	2.735	7.5	19.6
2 11	9 45.88	+ 2 34.9	1.782	2.755	4.3	19.4
2 21	9 36.07	+ 3 1.0	1.800	2.774	4.4	19.5
3 2	9 27.18	+ 3 33.3	1.847	2.793	7.5	19.7
3 12	9 20.07	+ 4 6.8	1.920	2.811	10.9	19.9
3 22	9 15.28	+ 4 37.2	2.017	2.829	13.9	20.2
283911 2004 FE_{38}			2 13.2 267°.79	2°.5/14.6 18		
1 12	10 10.07	+ 6 43.1	1.458	2.290	16.5	20.8
1 22	10 4.63	+ 6 44.0	1.370	2.276	12.5	20.5
2 1	9 56.36	+ 7 2.5	1.304	2.261	7.8	20.2
2 11	9 46.10	+ 7 35.8	1.263	2.246	3.2	19.9
2 21	9 35.12	+ 8 18.5	1.250	2.230	4.4	19.9
3 2	9 24.93	+ 9 3.8	1.263	2.215	9.5	20.2
3 12	9 16.92	+ 9 44.9	1.300	2.199	14.4	20.4
3 22	9 11.96	+10 17.0	1.358	2.183	18.7	20.6
423495 2005 TU_{111}			2 13.2 205°.97	2°.9/10.9 16		
1 12	10 10.78	+20 40.6	2.054	2.899	11.8	21.8
1 22	10 4.37	+21 15.4	1.978	2.895	8.6	21.6
2 1	9 55.83	+21 52.1	1.929	2.892	5.1	21.4
2 11	9 45.96	+22 24.8	1.908	2.887	2.9	21.2
2 21	9 35.78	+22 48.0	1.916	2.883	5.1	21.3
3 2	9 26.40	+22 58.3	1.954	2.878	8.7	21.5
3 12	9 18.79	+22 54.3	2.017	2.873	12.0	21.7
3 22	9 13.53	+22 36.9	2.102	2.867	14.9	21.9

235440 2003 YK_{120} 2 13.2 46°.33 0°.1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 5.41	+11 7.6	1.889	2.728	13.0	20.3
1 22	10 0.46	+11 37.6	1.825	2.739	9.4	20.1
2 1	9 53.58	+12 18.2	1.786	2.750	5.3	19.9
2 11	9 45.55	+13 4.4	1.775	2.761	1.0	19.6
2 21	9 37.32	+13 50.8	1.793	2.773	3.4	19.8
3 2	9 29.91	+14 32.1	1.838	2.785	7.5	20.1
3 12	9 24.17	+15 4.4	1.910	2.797	11.1	20.3
3 22	9 20.62	+15 25.6	2.004	2.809	14.2	20.6

500462 2012 TB_{218} 2 13.2 149°.71 0°.8/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.31	+14 29.8	2.737	3.569	9.6	22.4
1 22	9 59.93	+15 6.8	2.665	3.577	6.9	22.2
2 1	9 53.12	+15 49.0	2.620	3.584	3.8	22.0
2 11	9 45.46	+16 32.7	2.606	3.591	0.9	21.8
2 21	9 37.63	+17 13.8	2.622	3.598	3.0	22.0
3 2	9 30.34	+17 48.9	2.669	3.604	6.1	22.2
3 12	9 24.24	+18 15.5	2.743	3.610	8.9	22.4
3 22	9 19.77	+18 32.5	2.841	3.615	11.2	22.6

425243 2009 WT_{42} 2 13.2 308°.62 4°.6/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.45	+23 12.1	1.849	2.707	12.3	20.2
1 22	10 1.55	+24 27.1	1.778	2.700	9.0	20.0
2 1	9 54.37	+25 44.0	1.732	2.693	5.8	19.8
2 11	9 45.72	+26 54.5	1.714	2.685	4.7	19.7
2 21	9 36.67	+27 50.9	1.724	2.678	6.9	19.8
3 2	9 28.41	+28 27.8	1.761	2.672	10.4	20.0
3 12	9 21.99	+28 43.4	1.822	2.665	13.7	20.2
3 22	9 18.07	+28 38.9	1.902	2.658	16.6	20.4

370936 2005 QK_{166} 2 13.2 233°.33 0°.4/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.54	+17 2.1	1.171	2.016	18.8	20.3
1 22	10 16.42	+16 15.1	1.094	2.010	13.9	20.0
2 1	10 3.24	+15 28.8	1.040	2.004	8.0	19.7
2 11	9 47.36	+14 39.1	1.012	1.998	1.5	19.2
2 21	9 30.83	+13 43.3	1.011	1.991	5.4	19.5
3 2	9 15.95	+12 41.4	1.038	1.984	11.9	19.8
3 12	9 4.55	+11 35.0	1.088	1.976	17.5	20.1
3 22	8 57.48	+10 26.4	1.157	1.968	22.1	20.4

306366 2842 P–L 2 13.2 151°.96 1°.2/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.29	+14 52.5	1.971	2.807	12.6	22.1
1 22	10 4.68	+15 33.4	1.903	2.817	9.1	21.9
2 1	9 55.97	+16 21.3	1.862	2.826	5.0	21.6
2 11	9 45.99	+17 10.6	1.849	2.834	1.3	21.4
2 21	9 35.78	+17 55.2	1.867	2.842	4.0	21.6
3 2	9 26.43	+18 30.5	1.913	2.849	8.0	21.8
3 12	9 18.88	+18 53.5	1.987	2.855	11.6	22.1
3 22	9 13.70	+19 3.7	2.082	2.860	14.6	22.3

51279 2000 JC_{85} 2 13.2 103°.75 5°.1/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.69	+29 4.8	2.567	3.411	9.8	17.9
1 22	10 1.79	+30 25.8	2.524	3.432	7.4	17.8
2 1	9 54.21	+31 42.0	2.509	3.453	5.5	17.7
2 11	9 45.66	+32 46.9	2.524	3.473	5.2	17.7
2 21	9 36.99	+33 35.7	2.568	3.493	6.7	17.9
3 2	9 29.05	+34 5.7	2.640	3.512	8.8	18.0
3 12	9 22.61	+34 17.0	2.736	3.531	11.0	18.2
3 22	9 18.11	+34 11.4	2.854	3.550	12.9	18.4

245420 2005 JL_{52} 2 13.2 214°.20 2°.8/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.16	+20 6.1	2.358	3.206	10.4	20.6
1 22	10 0.14	+21 8.2	2.285	3.204	7.5	20.4
2 1	9 53.39	+22 13.5	2.238	3.201	4.4	20.2
2 11	9 45.55	+23 16.0	2.221	3.199	2.8	20.1
2 21	9 37.43	+24 10.3	2.234	3.196	4.9	20.2
3 2	9 29.90	+24 51.8	2.275	3.193	7.9	20.4
3 12	9 23.77	+25 18.4	2.343	3.190	10.9	20.5
3 22	9 19.57	+25 29.9	2.432	3.187	13.4	20.7

61448 2000 QR_{27} 2 13.2 202°.95 1°.1/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.30	+14 39.6	1.716	2.558	13.9	19.9
1 22	10 5.06	+15 8.6	1.640	2.556	10.1	19.7
2 1	9 56.37	+15 46.0	1.588	2.553	5.7	19.4
2 11	9 46.10	+16 25.9	1.563	2.549	1.3	19.1
2 21	9 35.43	+17 2.2	1.568	2.545	4.3	19.3
3 2	9 25.65	+17 29.5	1.601	2.541	8.9	19.5
3 12	9 17.89	+17 44.7	1.659	2.536	13.1	19.8
3 22	9 12.81	+17 46.7	1.738	2.531	16.5	20.0

400763 2010 CH_{104} 2 13.2 269°.57 0°.0/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.15	+10 26.8	1.496	2.341	15.5	21.3
1 22	10 3.19	+11 9.4	1.411	2.327	11.4	21.0
2 1	9 55.53	+12 8.6	1.349	2.314	6.5	20.7
2 11	9 45.98	+13 18.4	1.314	2.300	1.2	20.3
2 21	9 35.79	+14 30.4	1.306	2.286	4.3	20.5
3 2	9 26.38	+15 36.1	1.324	2.272	9.6	20.7
3 12	9 19.07	+16 28.7	1.367	2.257	14.5	21.0
3 22	9 14.69	+17 4.9	1.430	2.243	18.5	21.2

17943 1999 JZ_6 2 13.2 67°.07 3°.8/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 8.68	+18 28.9	1.401	2.264	15.2	18.3
1 22	10 3.49	+19 51.6	1.346	2.273	10.9	18.1
2 1	9 55.57	+21 21.4	1.315	2.282	6.3	17.9
2 11	9 45.96	+22 47.8	1.311	2.291	3.8	17.7
2 21	9 36.04	+24 0.2	1.333	2.300	6.8	17.9
3 2	9 27.30	+24 51.7	1.381	2.309	11.2	18.2
3 12	9 20.94	+25 19.5	1.452	2.318	15.2	18.5
3 22	9 17.61	+25 24.8	1.542	2.328	18.6	18.7

211475 2003 ED_{23} 2 13.2 336°.51 2°.4/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.39	+ 2 13.8	2.097	2.907	13.0	19.7
1 22	9 57.57	+ 3 5.8	2.009	2.900	9.9	19.5
2 1	9 52.01	+ 4 17.0	1.946	2.894	6.4	19.2
2 11	9 45.32	+ 5 43.7	1.910	2.889	3.1	19.0
2 21	9 38.30	+ 7 19.8	1.904	2.883	3.3	19.0
3 2	9 31.81	+ 8 58.1	1.927	2.879	6.7	19.2
3 12	9 26.68	+10 31.3	1.978	2.874	10.3	19.4
3 22	9 23.47	+11 53.9	2.052	2.870	13.5	19.6

267194 2000 RM_{81} 2 13.2 168°.10 2°.8/15.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.68	+ 3 1.1	2.592	3.381	11.4	21.0
1 22	10 2.41	+ 2 55.5	2.508	3.386	8.7	20.8
2 1	9 54.57	+ 3 2.0	2.451	3.391	5.8	20.7
2 11	9 45.78	+ 3 18.9	2.422	3.395	3.3	20.5
2 21	9 36.75	+ 3 43.7	2.424	3.399	3.4	20.5
3 2	9 28.27	+ 4 13.0	2.458	3.401	6.0	20.7
3 12	9 21.07	+ 4 43.3	2.519	3.403	8.9	20.9
3 22	9 15.61	+ 5 11.1	2.606	3.404	11.5	21.0

118708 2000 PO_{21} 2 13.2 241°.20 0°.1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.50	+11 40.2	2.104	2.934	12.2	20.2
1 22	10 2.75	+12 0.3	2.013	2.922	8.9	19.9
2 1	9 54.98	+12 29.7	1.947	2.909	5.1	19.7
2 11	9 45.87	+13 4.6	1.910	2.896	1.0	19.4
2 21	9 36.34	+13 40.1	1.902	2.882	3.3	19.5
3 2	9 27.41	+14 11.8	1.925	2.868	7.4	19.7
3 12	9 20.01	+14 36.1	1.973	2.853	11.2	19.9
3 22	9 14.79	+14 50.8	2.045	2.839	14.4	20.1

259107 2002 WN_{14} 2 13.2 21°.78 1°.4/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.57	+11 7.3	0.941	1.823	19.1	19.1
1 22	9 58.12	+12 35.1	0.906	1.842	13.6	18.9
2 1	9 52.64	+14 22.1	0.892	1.863	7.4	18.6
2 11	9 45.43	+16 15.1	0.901	1.887	1.6	18.4
2 21	9 38.11	+17 59.2	0.933	1.912	5.8	18.7
3 2	9 32.29	+19 22.5	0.988	1.940	11.5	19.1
3 12	9 29.16	+20 19.0	1.064	1.969	16.3	19.5
3 22	9 29.20	+20 48.2	1.158	1.999	20.2	19.8

204218 2004 CQ_{80} 2 13.2 356°.73 0°.3/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.38	+11 9.0	2.128	2.965	11.8	20.0
1 22	9 58.96	+12 5.0	2.051	2.965	8.5	19.8
2 1	9 52.77	+13 12.1	2.000	2.964	4.8	19.6
2 11	9 45.46	+14 25.1	1.978	2.964	0.8	19.3
2 21	9 37.86	+15 37.7	1.985	2.964	3.3	19.5
3 2	9 30.87	+16 44.0	2.022	2.964	7.2	19.7
3 12	9 25.30	+17 39.4	2.085	2.964	10.7	19.9
3 22	9 21.70	+18 21.3	2.170	2.964	13.6	20.1

350596 2001 QZ_{291} 2 13.2 189°.43 0°.5/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.60	+13 19.6	1.844	2.677	13.5	22.1
1 22	10 5.85	+13 45.1	1.765	2.677	9.8	21.9
2 1	9 56.77	+14 19.4	1.712	2.675	5.5	21.7
2 11	9 46.20	+14 57.3	1.687	2.673	1.0	21.3
2 21	9 35.24	+15 33.2	1.692	2.670	3.9	21.5
3 2	9 25.13	+16 2.0	1.726	2.666	8.4	21.8
3 12	9 16.93	+16 20.5	1.786	2.662	12.4	22.0
3 22	9 11.30	+16 27.5	1.868	2.657	15.7	22.2

435989 2009 ER_{18} 2 13.2 272°.22 3°.1/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.29	+ 0 11.8	2.464	3.254	11.8	21.4
1 22	9 58.01	+ 0 39.7	2.368	3.244	9.3	21.2
2 1	9 52.19	+ 1 24.2	2.296	3.234	6.3	21.0
2 11	9 45.36	+ 2 23.4	2.253	3.224	3.7	20.9
2 21	9 38.21	+ 3 33.3	2.239	3.214	3.5	20.8
3 2	9 31.51	+ 4 48.8	2.255	3.204	6.1	21.0
3 12	9 25.96	+ 6 4.1	2.299	3.193	9.2	21.1
3 22	9 22.10	+ 7 14.3	2.368	3.183	12.0	21.3

26975 1997 TY_{24} 2 13.2 159°.85 0°.4/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.88	+10 4.4	2.242	3.066	11.8	20.5
1 22	10 2.06	+10 38.7	2.167	3.073	8.6	20.3
2 1	9 54.46	+11 23.0	2.118	3.079	4.9	20.1
2 11	9 45.77	+12 13.3	2.099	3.084	1.1	19.8
2 21	9 36.83	+13 4.5	2.109	3.089	3.0	20.0
3 2	9 28.56	+13 51.8	2.150	3.093	6.8	20.2
3 12	9 21.76	+14 31.5	2.218	3.097	10.2	20.4
3 22	9 16.95	+15 1.1	2.310	3.100	13.0	20.6

468390 2016 GP_{105} 2 13.2 42°.28 1°.1/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 6.75	+14 18.3	1.857	2.703	12.9	21.3
1 22	10 1.58	+14 57.5	1.786	2.704	9.3	21.0
2 1	9 54.32	+15 45.2	1.740	2.706	5.2	20.8
2 11	9 45.76	+16 35.6	1.722	2.708	1.2	20.5
2 21	9 36.90	+17 22.7	1.733	2.710	4.0	20.7
3 2	9 28.84	+18 1.2	1.772	2.712	8.2	21.0
3 12	9 22.52	+18 27.5	1.836	2.714	12.0	21.2
3 22	9 18.54	+18 40.4	1.922	2.716	15.1	21.4

83275 2001 RQ_{81} 2 13.2 214°.96 2°.5/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.60	+ 2 37.8	2.558	3.356	11.3	19.5
1 22	9 58.87	+ 2 59.6	2.468	3.352	8.6	19.3
2 1	9 52.63	+ 3 35.4	2.403	3.347	5.7	19.1
2 11	9 45.45	+ 4 22.9	2.366	3.342	3.0	18.9
2 21	9 37.98	+ 5 18.4	2.360	3.337	3.1	18.9
3 2	9 30.98	+ 6 17.4	2.383	3.331	5.9	19.1
3 12	9 25.13	+ 7 15.2	2.435	3.325	8.9	19.2
3 22	9 20.93	+ 8 7.9	2.511	3.319	11.6	19.4

2413 van de Hulst 2 13.2 71°.67 2°.0/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.86	+ 4 26.7	2.094	2.909	12.8	16.0
1 22	9 59.23	+ 5 5.8	2.025	2.921	9.6	15.8
2 1	9 52.87	+ 6 0.4	1.980	2.932	6.0	15.6
2 11	9 45.48	+ 7 6.8	1.963	2.943	2.6	15.4
2 21	9 37.89	+ 8 19.2	1.975	2.955	3.1	15.4
3 2	9 30.96	+ 9 31.6	2.016	2.966	6.6	15.7
3 12	9 25.48	+10 38.3	2.085	2.978	10.0	15.9
3 22	9 21.94	+11 35.2	2.178	2.989	13.0	16.1

458408 2010 YM_{1} 2 13.2 93°.88 6°.4/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.88	− 5 19.1	1.919	2.685	15.6	21.3
1 22	10 2.91	− 5 45.7	1.854	2.704	12.7	21.2
2 1	9 54.98	− 5 50.1	1.811	2.723	9.6	21.0
2 11	9 45.88	− 5 32.6	1.795	2.742	7.1	20.9
2 21	9 36.59	− 4 55.7	1.805	2.761	6.5	20.9
3 2	9 28.14	− 4 4.8	1.844	2.779	8.3	21.0
3 12	9 21.40	− 3 6.4	1.908	2.797	11.0	21.2
3 22	9 16.90	− 2 7.3	1.996	2.815	13.8	21.4

208815 2002 RX_{10} 2 13.2 262°.50 1°.0/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.01	+13 54.3	1.762	2.605	13.6	20.7
1 22	10 3.52	+14 29.9	1.673	2.590	9.9	20.4
2 1	9 55.60	+15 15.6	1.609	2.574	5.6	20.1
2 11	9 46.03	+16 5.8	1.572	2.558	1.2	19.8
2 21	9 35.91	+16 53.9	1.564	2.542	4.3	20.0
3 2	9 26.47	+17 33.7	1.584	2.525	8.9	20.2
3 12	9 18.89	+18 1.0	1.629	2.508	13.2	20.4
3 22	9 13.90	+18 14.2	1.695	2.491	16.8	20.6

261807 2006 BL_{267} 2 13.2 21°.94 5°.0/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.19	+22 56.5	1.613	2.478	13.5	20.0
1 22	10 1.51	+24 19.6	1.557	2.482	9.8	19.8
2 1	9 54.40	+25 44.4	1.526	2.487	6.3	19.6
2 11	9 45.79	+27 1.1	1.521	2.493	5.1	19.5
2 21	9 36.88	+28 1.1	1.543	2.498	7.5	19.7
3 2	9 28.98	+28 38.9	1.592	2.505	11.1	19.9
3 12	9 23.16	+28 53.2	1.663	2.512	14.5	20.1
3 22	9 20.03	+28 45.9	1.753	2.519	17.5	20.3

169390 2001 VR_{51} 2 13.2 81°.61 3°.9/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.32	+ 0 20.8	2.319	3.109	12.5	19.9
1 22	10 0.14	+ 0 10.0	2.244	3.117	9.8	19.8
2 1	9 53.35	+ 0 14.3	2.193	3.126	6.9	19.6
2 11	9 45.58	+ 0 32.4	2.169	3.135	4.4	19.4
2 21	9 37.61	+ 1 1.7	2.174	3.144	4.2	19.5
3 2	9 30.25	+ 1 38.3	2.208	3.153	6.5	19.6
3 12	9 24.23	+ 2 17.6	2.270	3.162	9.4	19.8
3 22	9 20.02	+ 2 55.4	2.356	3.171	12.0	20.0

190180 2005 UC_{478} 2 13.2 106°.48 0°.9/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.21	+12 22.8	1.519	2.363	15.3	21.0
1 22	10 5.01	+13 21.9	1.465	2.382	11.0	20.8
2 1	9 56.31	+14 33.1	1.434	2.400	6.1	20.6
2 11	9 46.13	+15 48.4	1.431	2.417	1.2	20.3
2 21	9 35.76	+16 59.2	1.456	2.434	4.5	20.5
3 2	9 26.55	+17 58.1	1.509	2.450	9.3	20.9
3 12	9 19.57	+18 40.8	1.587	2.466	13.4	21.1
3 22	9 15.42	+19 6.3	1.685	2.481	16.8	21.4

235583 2004 OG_{7} 2 13.2 206°.98 0°.7/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.20	+ 9 49.1	1.848	2.675	13.8	21.5
1 22	10 4.90	+10 11.0	1.763	2.669	10.2	21.2
2 1	9 56.29	+10 45.1	1.703	2.663	5.9	21.0
2 11	9 46.16	+11 27.1	1.671	2.656	1.5	20.6
2 21	9 35.57	+12 11.7	1.669	2.649	3.5	20.8
3 2	9 25.73	+12 53.2	1.695	2.640	8.1	21.0
3 12	9 17.70	+13 26.9	1.748	2.631	12.2	21.2
3 22	9 12.18	+13 50.3	1.823	2.622	15.7	21.5

58898 1998 KH_{4} 2 13.2 236°.33 0°.5/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 4.11	+10 5.2	2.722	3.544	10.0	20.0
1 22	9 59.19	+10 30.4	2.631	3.535	7.3	19.8
2 1	9 52.81	+11 4.0	2.566	3.526	4.2	19.6
2 11	9 45.51	+11 43.0	2.531	3.516	1.0	19.3
2 21	9 37.93	+12 23.7	2.526	3.506	2.5	19.4
3 2	9 30.79	+13 2.5	2.552	3.496	5.8	19.6
3 12	9 24.77	+13 36.0	2.605	3.485	8.8	19.8
3 22	9 20.33	+14 2.1	2.683	3.475	11.4	19.9

367198 2007 BG_{16} 2 13.2 55°.75 0°.1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.70	+12 24.8	1.639	2.482	14.5	20.7
1 22	10 3.82	+12 32.9	1.576	2.491	10.5	20.4
2 1	9 55.62	+12 50.6	1.537	2.501	6.0	20.2
2 11	9 46.03	+13 13.3	1.525	2.511	1.1	19.9
2 21	9 36.22	+13 35.8	1.540	2.521	3.8	20.1
3 2	9 27.43	+13 53.6	1.584	2.531	8.4	20.4
3 12	9 20.68	+14 3.4	1.652	2.541	12.4	20.7
3 22	9 16.56	+14 3.6	1.742	2.552	15.8	20.9

252413 2001 TE_{112} 2 13.2 69°.22 3°.1/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.27	+ 3 58.3	1.691	2.506	15.3	20.1
1 22	10 3.29	+ 4 0.9	1.637	2.532	11.6	19.9
2 1	9 55.20	+ 4 20.7	1.607	2.557	7.5	19.7
2 11	9 45.94	+ 4 54.5	1.604	2.582	3.7	19.5
2 21	9 36.58	+ 5 37.3	1.629	2.607	4.0	19.6
3 2	9 28.26	+ 6 23.2	1.682	2.632	7.7	19.9
3 12	9 21.87	+ 7 6.4	1.760	2.656	11.4	20.2
3 22	9 17.93	+ 7 42.8	1.861	2.681	14.6	20.4

354836 2005 YV_{4} 2 13.2 90°.98 0°.3/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.09	+12 14.1	1.443	2.286	16.0	21.3
1 22	10 6.38	+12 42.5	1.391	2.307	11.6	21.0
2 1	9 57.08	+13 22.4	1.363	2.328	6.5	20.8
2 11	9 46.28	+14 7.1	1.362	2.348	1.1	20.5
2 21	9 35.38	+14 49.5	1.388	2.368	4.3	20.8
3 2	9 25.79	+15 23.7	1.442	2.387	9.2	21.1
3 12	9 18.59	+15 45.9	1.520	2.406	13.5	21.4
3 22	9 14.36	+15 54.9	1.619	2.425	17.0	21.7

160791 2000 TF_{45} 2 13.2 71°.98 2°.4/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.08	+15 0.4	1.401	2.258	15.6	19.3
1 22	10 3.64	+16 21.9	1.354	2.278	11.1	19.0
2 1	9 55.60	+17 53.7	1.330	2.297	6.1	18.8
2 11	9 46.03	+19 25.4	1.333	2.316	2.4	18.6
2 21	9 36.29	+20 46.9	1.363	2.336	5.6	18.9
3 2	9 27.78	+21 50.3	1.420	2.355	10.3	19.2
3 12	9 21.61	+22 32.3	1.500	2.375	14.4	19.5
3 22	9 18.35	+22 52.8	1.600	2.394	17.7	19.7

480296 2015 HS_{154} 2 13.2 289°.26 8°.5/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.41	−16 33.8	2.498	3.183	14.4	21.1
1 22	9 58.22	−16 56.3	2.393	3.167	12.7	20.9
2 1	9 52.39	−16 54.9	2.309	3.151	10.9	20.8
2 11	9 45.47	−16 27.7	2.247	3.135	9.3	20.7
2 21	9 38.15	−15 35.0	2.211	3.119	8.6	20.6
3 2	9 31.23	−14 20.0	2.201	3.103	9.0	20.6
3 12	9 25.48	−12 48.8	2.218	3.087	10.6	20.6
3 22	9 21.47	−11 8.7	2.258	3.071	12.6	20.8

152058 2004 PZ_{71} 2 13.2 171°.87 0°.4/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.72	+12 52.1	2.065	2.901	12.2	20.7
1 22	10 2.12	+13 23.3	1.990	2.902	8.8	20.5
2 1	9 54.59	+14 3.1	1.940	2.904	4.9	20.3
2 11	9 45.86	+14 46.8	1.919	2.905	0.9	20.0
2 21	9 36.84	+15 29.1	1.927	2.906	3.4	20.2
3 2	9 28.54	+16 5.3	1.965	2.906	7.4	20.4
3 12	9 21.82	+16 32.1	2.029	2.907	11.0	20.6
3 22	9 17.26	+16 47.7	2.115	2.907	14.0	20.8

168451 1999 CG_{43} 2 13.2 315°.65 1°.4/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.99	+15 20.7	1.908	2.757	12.4	19.6
1 22	10 0.44	+15 58.7	1.821	2.741	9.0	19.4
2 1	9 53.79	+16 44.7	1.759	2.725	5.0	19.1
2 11	9 45.73	+17 33.5	1.725	2.710	1.5	18.8
2 21	9 37.24	+18 18.9	1.719	2.695	4.2	19.0
3 2	9 29.37	+18 55.6	1.741	2.680	8.4	19.2
3 12	9 23.14	+19 19.8	1.788	2.666	12.2	19.4
3 22	9 19.20	+19 30.1	1.856	2.652	15.5	19.6

96684 1999 JK_{50} 2 13.2 286°.93 3°.9/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.26	+19 9.6	1.469	2.332	14.7	19.2
1 22	10 3.37	+20 26.7	1.396	2.322	10.6	18.9
2 1	9 55.68	+21 52.0	1.346	2.312	6.3	18.7
2 11	9 46.10	+23 15.4	1.323	2.302	4.0	18.5
2 21	9 35.93	+24 26.7	1.326	2.292	6.9	18.6
3 2	9 26.69	+25 17.8	1.356	2.283	11.5	18.9
3 12	9 19.72	+25 45.3	1.408	2.273	15.7	19.1
3 22	9 15.80	+25 49.9	1.479	2.264	19.3	19.3

452651 2005 UP_{231} 2 13.2 166°.72 0°.7/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 11.64	+ 9 6.6	1.955	2.776	13.4	23.5
1 22	10 5.01	+ 9 39.5	1.880	2.783	9.8	23.3
2 1	9 56.25	+10 24.8	1.830	2.789	5.7	23.1
2 11	9 46.17	+11 17.8	1.809	2.794	1.4	22.8
2 21	9 35.78	+12 12.8	1.818	2.798	3.3	23.0
3 2	9 26.18	+13 4.0	1.857	2.801	7.6	23.2
3 12	9 18.34	+13 46.8	1.923	2.803	11.4	23.5
3 22	9 12.87	+14 18.8	2.012	2.803	14.6	23.7

28599 Terenzoni 2 13.2 252°.76 1°.1/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.97	+11 58.6	1.899	2.740	12.9	18.6
1 22	10 1.18	+13 15.6	1.812	2.728	9.3	18.4
2 1	9 54.24	+14 46.6	1.750	2.715	5.2	18.1
2 11	9 45.82	+16 24.7	1.717	2.703	1.2	17.8
2 21	9 36.90	+18 1.6	1.713	2.690	4.2	18.0
3 2	9 28.57	+19 29.1	1.739	2.676	8.6	18.2
3 12	9 21.86	+20 41.1	1.791	2.663	12.5	18.4
3 22	9 17.48	+21 34.9	1.864	2.649	15.9	18.6

231708 1998 UJ_{11} 2 13.2 80°.41 0°.3/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.73	+10 28.3	2.054	2.885	12.4	21.5
1 22	10 1.27	+10 59.7	1.995	2.904	9.0	21.3
2 1	9 54.02	+11 41.1	1.961	2.922	5.1	21.1
2 11	9 45.75	+12 27.9	1.955	2.941	1.1	20.9
2 21	9 37.34	+13 15.1	1.979	2.959	3.1	21.1
3 2	9 29.72	+13 57.7	2.032	2.977	7.0	21.3
3 12	9 23.69	+14 32.1	2.112	2.995	10.4	21.6
3 22	9 19.72	+14 56.3	2.214	3.013	13.3	21.8

39709 1996 TH_{48} 2 13.2 110°.42 0°.5/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.00	+10 12.9	1.714	2.546	14.4	19.0
1 22	10 4.64	+10 39.1	1.654	2.563	10.5	18.8
2 1	9 56.05	+11 17.3	1.618	2.579	6.0	18.6
2 11	9 46.13	+12 2.3	1.609	2.595	1.3	18.3
2 21	9 36.04	+12 48.1	1.630	2.610	3.6	18.5
3 2	9 26.96	+13 29.0	1.679	2.625	8.1	18.8
3 12	9 19.87	+14 0.9	1.754	2.640	12.0	19.1
3 22	9 15.34	+14 21.5	1.851	2.654	15.3	19.3

88309 2001 OP_{17} 2 13.2 167°.87 0°.7/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.12	+ 9 33.0	1.902	2.732	13.3	20.9
1 22	10 2.55	+ 9 58.6	1.826	2.734	9.8	20.6
2 1	9 54.90	+10 36.3	1.775	2.736	5.7	20.4
2 11	9 45.94	+11 21.7	1.752	2.737	1.4	20.1
2 21	9 36.67	+12 9.5	1.758	2.738	3.3	20.2
3 2	9 28.16	+12 54.1	1.793	2.739	7.6	20.5
3 12	9 21.34	+13 31.1	1.854	2.740	11.4	20.7
3 22	9 16.83	+13 57.8	1.937	2.741	14.7	20.9

145263 2005 JB_{133} 2 13.2 96°.44 0°.9/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.51	+ 7 52.6	1.977	2.797	13.3	20.4
1 22	10 3.24	+ 8 34.7	1.924	2.826	9.7	20.2
2 1	9 55.12	+ 9 29.4	1.896	2.854	5.7	20.0
2 11	9 45.96	+10 31.5	1.897	2.882	1.6	19.8
2 21	9 36.72	+11 35.2	1.929	2.909	3.1	20.0
3 2	9 28.39	+12 34.4	1.989	2.935	7.0	20.3
3 12	9 21.78	+13 24.9	2.077	2.960	10.5	20.5
3 22	9 17.35	+14 4.0	2.189	2.985	13.5	20.8

183983 2004 EH_{44} 2 13.2 181°.80 0°.4/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.28	+10 23.4	2.077	2.904	12.4	21.1
1 22	10 2.54	+10 53.4	1.998	2.905	9.1	20.9
2 1	9 54.86	+11 34.1	1.944	2.905	5.2	20.7
2 11	9 45.95	+12 21.2	1.920	2.905	1.1	20.4
2 21	9 36.73	+13 9.4	1.925	2.905	3.2	20.6
3 2	9 28.19	+13 53.8	1.959	2.904	7.2	20.8
3 12	9 21.22	+14 30.1	2.021	2.902	10.9	21.0
3 22	9 16.40	+14 56.1	2.105	2.900	14.0	21.2

522548 2016 ES_{239} 2 13.2 301°.48 0°.3/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.47	+10 14.3	1.774	2.614	13.6	22.1
1 22	10 1.02	+10 47.4	1.676	2.589	10.1	21.8
2 1	9 54.26	+11 34.6	1.601	2.564	5.9	21.5
2 11	9 45.88	+12 31.7	1.554	2.539	1.2	21.2
2 21	9 36.86	+13 32.2	1.534	2.515	3.7	21.3
3 2	9 28.38	+14 29.3	1.542	2.490	8.5	21.5
3 12	9 21.59	+15 17.2	1.576	2.466	12.9	21.7
3 22	9 17.25	+15 52.2	1.631	2.442	16.7	21.9

233453 2006 JV_{15} 2 13.2 224°.51 1°.1/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.51	+14 57.6	2.159	3.000	11.5	21.4
1 22	10 1.23	+15 32.5	2.082	2.997	8.3	21.2
2 1	9 54.10	+16 14.0	2.030	2.995	4.6	20.9
2 11	9 45.81	+16 57.4	2.007	2.992	1.2	20.7
2 21	9 37.23	+17 37.7	2.014	2.990	3.7	20.8
3 2	9 29.30	+18 10.4	2.049	2.987	7.4	21.1
3 12	9 22.87	+18 32.5	2.111	2.984	10.8	21.3
3 22	9 18.50	+18 42.9	2.195	2.981	13.8	21.5

426425 2013 QR_{16} 2 13.2 158°.76 2°.2/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 9.74	+19 42.0	2.497	3.334	10.3	21.6
1 22	10 3.28	+20 14.8	2.428	3.341	7.4	21.4
2 1	9 55.13	+20 49.2	2.385	3.348	4.3	21.2
2 11	9 45.99	+21 20.8	2.373	3.354	2.2	21.1
2 21	9 36.66	+21 45.2	2.392	3.359	4.1	21.2
3 2	9 28.03	+21 59.6	2.440	3.364	7.2	21.4
3 12	9 20.84	+22 2.6	2.516	3.368	10.1	21.6
3 22	9 15.58	+21 54.5	2.615	3.372	12.5	21.8

375448 2008 TS_{90} 2 13.2 161°.68 1°.3/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.53	+15 27.9	2.241	3.081	11.2	21.2
1 22	10 1.16	+16 9.6	2.168	3.083	8.0	21.0
2 1	9 54.03	+16 57.5	2.121	3.086	4.5	20.8
2 11	9 45.79	+17 46.6	2.103	3.088	1.4	20.5
2 21	9 37.31	+18 31.6	2.115	3.090	3.7	20.7
3 2	9 29.49	+19 8.3	2.156	3.091	7.3	21.0
3 12	9 23.12	+19 33.9	2.224	3.093	10.6	21.2
3 22	9 18.75	+19 47.2	2.315	3.094	13.3	21.3

467438 2005 YQ_{287} 2 13.2 25°.06 7°.9/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.32	+28 51.8	1.474	2.344	14.2	20.1
1 22	10 1.91	+30 50.0	1.431	2.352	10.9	19.9
2 1	9 54.77	+32 42.9	1.413	2.361	8.4	19.8
2 11	9 45.94	+34 17.8	1.420	2.371	8.2	19.8
2 21	9 36.83	+35 25.1	1.453	2.381	10.5	20.0
3 2	9 28.91	+36 0.3	1.509	2.393	13.6	20.2
3 12	9 23.37	+36 4.2	1.586	2.405	16.6	20.4
3 22	9 20.82	+35 41.4	1.681	2.417	19.2	20.6

407309 2010 NS_{14} 2 13.2 48°.45 2°.5/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 15.25	+19 27.5	1.359	2.215	16.0	20.3
1 22	10 7.94	+19 32.7	1.317	2.240	11.5	20.1
2 1	9 57.92	+19 39.9	1.299	2.265	6.5	19.8
2 11	9 46.48	+19 42.7	1.307	2.291	2.6	19.7
2 21	9 35.17	+19 36.1	1.343	2.317	5.4	19.9
3 2	9 25.46	+19 17.9	1.404	2.344	10.0	20.2
3 12	9 18.42	+18 48.1	1.490	2.370	14.1	20.5
3 22	9 14.51	+18 8.4	1.596	2.397	17.4	20.8

46601 1993 FV_{15} 2 13.2 269°.33 1°.7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.85	+15 0.0	1.640	2.491	14.0	19.5
1 22	10 2.71	+15 53.0	1.568	2.489	10.1	19.2
2 1	9 55.15	+16 56.0	1.520	2.486	5.6	18.9
2 11	9 46.03	+18 1.6	1.499	2.484	1.8	18.7
2 21	9 36.50	+19 2.1	1.506	2.481	4.8	18.9
3 2	9 27.83	+19 50.7	1.540	2.479	9.4	19.1
3 12	9 21.15	+20 23.3	1.599	2.476	13.5	19.4
3 22	9 17.13	+20 38.9	1.678	2.474	17.0	19.6

357583 2004 TV_{301} 2 13.2 136°.16 3°.8/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.02	+ 2 2.9	1.733	2.539	15.5	21.0
1 22	10 4.01	+ 2 4.1	1.662	2.548	11.9	20.8
2 1	9 55.77	+ 2 24.3	1.614	2.558	8.0	20.5
2 11	9 46.13	+ 3 1.2	1.592	2.566	4.5	20.3
2 21	9 36.19	+ 3 50.2	1.599	2.574	4.5	20.4
3 2	9 27.13	+ 4 45.2	1.633	2.582	8.0	20.6
3 12	9 19.96	+ 5 39.3	1.694	2.589	11.8	20.8
3 22	9 15.29	+ 6 27.6	1.778	2.596	15.2	21.1

37008 2000 TB_{38} 2 13.2 187°.83 0°.5/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.59	+12 13.7	2.659	3.489	9.9	19.5
1 22	9 58.86	+13 9.2	2.578	3.488	7.1	19.3
2 1	9 52.67	+14 12.9	2.524	3.488	4.0	19.1
2 11	9 45.55	+15 20.4	2.501	3.487	0.8	18.8
2 21	9 38.19	+16 26.9	2.508	3.485	2.9	19.0
3 2	9 31.31	+17 27.5	2.546	3.484	6.2	19.2
3 12	9 25.57	+18 18.8	2.612	3.482	9.1	19.4
3 22	9 21.44	+18 58.8	2.702	3.480	11.6	19.6

463996 2014 WL_{61} 2 13.2 129°.13 3°.1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.29	+ 2 8.6	2.039	2.840	13.6	21.7
1 22	10 1.76	+ 2 27.4	1.967	2.852	10.4	21.5
2 1	9 54.38	+ 3 3.3	1.919	2.863	6.9	21.3
2 11	9 45.87	+ 3 53.3	1.898	2.874	3.7	21.1
2 21	9 37.12	+ 4 52.9	1.907	2.884	3.7	21.2
3 2	9 29.10	+ 5 56.1	1.945	2.894	6.9	21.4
3 12	9 22.63	+ 6 57.1	2.011	2.903	10.4	21.6
3 22	9 18.27	+ 7 51.3	2.100	2.912	13.4	21.8

465086 2006 UH_{17} 2 13.2 72°.89 4°.1/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.10	+21 57.1	1.599	2.455	14.1	21.4
1 22	10 5.56	+22 51.1	1.556	2.477	10.1	21.2
2 1	9 56.58	+23 45.4	1.536	2.499	6.1	21.0
2 11	9 46.26	+24 31.6	1.544	2.521	4.1	20.9
2 21	9 35.89	+25 3.0	1.580	2.543	6.4	21.1
3 2	9 26.81	+25 16.1	1.643	2.565	10.2	21.4
3 12	9 20.01	+25 10.7	1.730	2.586	13.7	21.6
3 22	9 16.00	+24 49.0	1.836	2.608	16.6	21.9

282620 2005 JK_{135} 2 13.2 177°.70 2°.1/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 4.74	+19 3.0	2.915	3.754	8.9	21.5
1 22	9 59.60	+20 2.2	2.840	3.756	6.3	21.3
2 1	9 53.05	+21 4.3	2.794	3.757	3.7	21.2
2 11	9 45.64	+22 4.8	2.778	3.758	2.1	21.0
2 21	9 38.00	+22 59.1	2.794	3.758	3.9	21.2
3 2	9 30.84	+23 43.7	2.839	3.758	6.5	21.3
3 12	9 24.78	+24 16.3	2.912	3.757	9.1	21.5
3 22	9 20.29	+24 36.5	3.009	3.756	11.2	21.7

42631 1998 FR_{48} 2 13.2 141°.00 1°.3/14.1 18

1 12	10 12.43	+ 8 4.0	1.632	2.458	15.3	19.4
1 22	10 5.85	+ 8 28.0	1.565	2.470	11.3	19.1
2 1	9 56.85	+ 9 6.9	1.522	2.481	6.7	18.9
2 11	9 46.35	+ 9 56.0	1.507	2.491	2.1	18.6
2 21	9 35.57	+10 48.9	1.520	2.501	3.7	18.8
3 2	9 25.80	+11 39.1	1.562	2.510	8.4	19.0
3 12	9 18.13	+12 21.0	1.629	2.518	12.6	19.3
3 22	9 13.19	+12 51.8	1.719	2.525	16.2	19.6

401310 2012 XT_{80} 2 13.2 317°.27 4°.6/16.2 18

1 12	10 5.85	+ 1 2.3	1.265	2.094	18.7	20.8
1 22	10 1.83	+ 1 12.5	1.187	2.086	14.7	20.5
2 1	9 54.93	+ 1 50.7	1.129	2.078	10.0	20.2
2 11	9 46.04	+ 2 55.0	1.094	2.070	5.6	19.9
2 21	9 36.50	+ 4 18.6	1.085	2.063	5.5	19.9
3 2	9 27.87	+ 5 51.3	1.100	2.056	9.9	20.1
3 12	9 21.55	+ 7 21.5	1.138	2.050	14.9	20.4
3 22	9 18.39	+ 8 40.5	1.197	2.044	19.3	20.6

417280 2006 AR_{67} 2 13.2 204°.99 1°.9/14.7 17

1 12	10 7.28	+ 6 41.2	2.149	2.964	12.5	20.9
1 22	10 1.79	+ 6 47.7	2.065	2.962	9.4	20.7
2 1	9 54.44	+ 7 6.4	2.006	2.959	5.8	20.4
2 11	9 45.91	+ 7 34.7	1.975	2.957	2.4	20.2
2 21	9 37.07	+ 8 8.9	1.974	2.953	3.2	20.2
3 2	9 28.85	+ 8 44.4	2.002	2.950	6.8	20.5
3 12	9 22.10	+ 9 17.2	2.057	2.947	10.3	20.7
3 22	9 17.38	+ 9 43.8	2.136	2.943	13.4	20.9

109856 2001 RZ_{134} 2 13.2 204°.25 6°.3/ 8.2 18

1 12	10 13.64	+30 38.0	2.013	2.858	12.1	19.7
1 22	10 6.67	+31 35.9	1.948	2.855	9.3	19.5
2 1	9 57.29	+32 27.5	1.908	2.851	7.0	19.4
2 11	9 46.44	+33 4.6	1.896	2.847	6.4	19.4
2 21	9 35.29	+33 21.3	1.912	2.843	8.2	19.4
3 2	9 25.13	+33 15.2	1.955	2.839	10.9	19.6
3 12	9 17.02	+32 47.3	2.022	2.834	13.8	19.8
3 22	9 11.59	+32 1.3	2.109	2.828	16.2	20.0

277136 2005 JV_{76} 2 13.2 284°.21 10°.1/22.6 17

1 12	10 4.29	−18 42.8	2.347	3.018	15.5	20.7
1 22	9 59.74	−19 32.3	2.246	3.002	13.9	20.5
2 1	9 53.36	−19 57.1	2.164	2.987	12.2	20.4
2 11	9 45.73	−19 54.0	2.104	2.972	10.8	20.3
2 21	9 37.62	−19 22.1	2.068	2.956	10.1	20.2
3 2	9 29.92	−18 23.9	2.057	2.941	10.5	20.2
3 12	9 23.51	−17 5.0	2.071	2.925	11.8	20.2
3 22	9 19.02	−15 33.1	2.107	2.910	13.7	20.3

460422 2014 SZ_{153} 2 13.2 91°.68 4°.1/10.6 18

1 12	10 14.38	+23 46.5	1.785	2.633	13.2	21.1
1 22	10 7.04	+24 20.6	1.734	2.651	9.6	20.9
2 1	9 57.37	+24 52.6	1.709	2.669	6.0	20.8
2 11	9 46.43	+25 15.7	1.712	2.687	4.1	20.7
2 21	9 35.45	+25 24.6	1.744	2.704	6.2	20.8
3 2	9 25.68	+25 17.0	1.803	2.722	9.7	21.1
3 12	9 18.11	+24 53.6	1.888	2.739	13.0	21.3
3 22	9 13.24	+24 16.7	1.993	2.755	15.7	21.6

372016 2008 LD_{13} 2 13.2 308°.68 8°.4/18.7 18

1 12	10 5.06	− 7 0.1	1.632	2.408	17.5	20.2
1 22	10 0.90	− 7 41.5	1.534	2.386	14.8	19.9
2 1	9 54.29	− 7 57.4	1.457	2.366	11.7	19.7
2 11	9 45.94	− 7 45.0	1.402	2.345	9.2	19.5
2 21	9 36.86	− 7 4.8	1.372	2.325	8.5	19.4
3 2	9 28.33	− 6 1.3	1.367	2.305	10.4	19.5
3 12	9 21.57	− 4 42.9	1.386	2.285	13.6	19.6
3 22	9 17.43	− 3 19.1	1.427	2.266	17.2	19.8

290213 2005 SG_{44} 2 13.2 202°.29 1°.2/12.2 16

1 12	10 9.42	+15 37.8	2.333	3.166	11.0	21.9
1 22	10 3.25	+16 10.0	2.249	3.161	7.9	21.7
2 1	9 55.24	+16 47.7	2.192	3.156	4.5	21.5
2 11	9 46.06	+17 26.5	2.165	3.150	1.3	21.2
2 21	9 36.57	+18 1.5	2.169	3.144	3.6	21.4
3 2	9 27.69	+18 28.9	2.202	3.137	7.2	21.6
3 12	9 20.27	+18 46.2	2.263	3.129	10.5	21.8
3 22	9 14.86	+18 52.4	2.347	3.120	13.3	22.0

357347 2003 QA_{44} 2 13.2 202°.19 0°.3/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 10.28	+10 43.5	2.148	2.971	12.2	22.2
1 22	10 4.01	+11 11.3	2.061	2.966	9.0	21.9
2 1	9 55.73	+11 49.3	2.000	2.961	5.2	21.7
2 11	9 46.16	+12 33.3	1.968	2.954	1.1	21.4
2 21	9 36.21	+13 18.3	1.967	2.947	3.2	21.5
3 2	9 26.88	+13 59.4	1.996	2.938	7.3	21.8
3 12	9 19.11	+14 32.8	2.052	2.929	10.9	22.0
3 22	9 13.50	+14 56.2	2.131	2.919	14.0	22.2

150509 2000 QK_{237} 2 13.2 296°.60 0°.4/13.5 18

1 12	10 6.50	+10 10.1	1.796	2.633	13.6	20.6
1 22	10 1.54	+10 44.0	1.720	2.631	10.0	20.3
2 1	9 54.42	+11 30.8	1.667	2.630	5.8	20.1
2 11	9 45.92	+12 25.5	1.642	2.628	1.2	19.7
2 21	9 37.06	+13 22.0	1.645	2.626	3.5	19.9
3 2	9 28.95	+14 13.9	1.677	2.624	8.0	20.2
3 12	9 22.59	+14 56.3	1.734	2.622	12.0	20.4
3 22	9 18.60	+15 26.5	1.813	2.620	15.4	20.6

273082 2006 EZ_{14} 2 13.2 171°.88 0°.4/12.8 17

1 12	10 6.95	+13 7.8	2.217	3.051	11.5	21.7
1 22	10 1.49	+13 37.3	2.141	3.053	8.3	21.5
2 1	9 54.24	+14 14.4	2.090	3.054	4.7	21.2
2 11	9 45.88	+14 55.0	2.069	3.055	0.8	20.9
2 21	9 37.26	+15 34.1	2.077	3.056	3.3	21.1
3 2	9 29.30	+16 7.6	2.115	3.056	7.0	21.4
3 12	9 22.79	+16 32.3	2.180	3.056	10.4	21.6
3 22	9 18.29	+16 46.7	2.267	3.057	13.3	21.8

328792 2009 VZ_{3} 2 13.2 230°.92 5°.9/18.1 17

1 12	10 6.68	− 5 17.0	2.217	2.977	13.9	21.0
1 22	10 1.40	− 5 36.8	2.121	2.968	11.5	20.8
2 1	9 54.27	− 5 37.0	2.049	2.959	8.8	20.6
2 11	9 45.91	− 5 17.5	2.002	2.950	6.5	20.5
2 21	9 37.13	− 4 39.9	1.984	2.939	6.0	20.4
3 2	9 28.85	− 3 48.2	1.993	2.929	7.8	20.5
3 12	9 21.94	− 2 48.5	2.030	2.918	10.5	20.6
3 22	9 17.01	− 1 46.6	2.091	2.907	13.3	20.8

117615 2005 EY_{94} 2 13.2 240°.05 4°.5/ 9.9 18

1 12	10 11.49	+23 17.2	1.795	2.647	12.9	20.0
1 22	10 5.35	+24 14.3	1.718	2.637	9.5	19.8
2 1	9 56.68	+25 12.7	1.667	2.627	6.1	19.6
2 11	9 46.36	+26 4.0	1.644	2.617	4.5	19.5
2 21	9 35.58	+26 40.9	1.649	2.606	6.8	19.6
3 2	9 25.67	+26 58.7	1.681	2.595	10.5	19.8
3 12	9 17.79	+26 56.3	1.737	2.584	14.1	20.0
3 22	9 12.65	+26 35.5	1.814	2.572	17.2	20.2

381470 2008 RS_{130} 2 13.2 152°.11 0°.2/13.4 18

1 12	10 4.97	+ 9 6.8	2.393	3.216	11.1	20.9
1 22	9 59.96	+10 7.4	2.317	3.222	8.1	20.7
2 1	9 53.34	+11 19.3	2.267	3.228	4.6	20.5
2 11	9 45.72	+12 37.9	2.247	3.233	0.9	20.3
2 21	9 37.86	+13 57.3	2.259	3.238	2.9	20.4
3 2	9 30.56	+15 11.8	2.301	3.243	6.4	20.7
3 12	9 24.54	+16 16.8	2.371	3.248	9.7	20.9
3 22	9 20.33	+17 9.7	2.464	3.252	12.4	21.1

341512 2007 TC_{419} 2 13.2 91°.15 2°.9/10.2 18

1 12	10 5.42	+19 56.8	2.286	3.135	10.7	20.4
1 22	10 0.35	+21 7.7	2.228	3.147	7.6	20.2
2 1	9 53.57	+22 21.5	2.196	3.159	4.5	20.0
2 11	9 45.76	+23 31.7	2.194	3.171	2.9	19.9
2 21	9 37.76	+24 32.4	2.221	3.183	5.0	20.1
3 2	9 30.45	+25 19.3	2.278	3.195	8.0	20.3
3 12	9 24.59	+25 50.2	2.360	3.207	10.8	20.5
3 22	9 20.68	+26 5.3	2.464	3.218	13.3	20.7

265634 2005 SZ_{269} 2 13.2 121°.06 2°.3/11.5 18

1 12	10 9.31	+18 9.0	1.895	2.742	12.6	20.9
1 22	10 3.43	+18 49.9	1.829	2.748	9.0	20.7
2 1	9 55.42	+19 35.3	1.789	2.754	5.1	20.5
2 11	9 46.11	+20 18.8	1.777	2.759	2.3	20.3
2 21	9 36.57	+20 54.6	1.794	2.765	4.8	20.5
3 2	9 27.90	+21 18.3	1.839	2.770	8.6	20.7
3 12	9 21.05	+21 28.0	1.909	2.775	12.1	21.0
3 22	9 16.60	+21 23.6	2.001	2.780	15.1	21.2

138550 2000 QD_{31} 2 13.2 122°.55 0°.8/12.2 18

1 12	10 4.40	+13 50.8	2.889	3.719	9.2	20.2
1 22	9 59.28	+14 46.8	2.825	3.736	6.6	20.0
2 1	9 52.84	+15 48.6	2.788	3.752	3.6	19.8
2 11	9 45.64	+16 51.8	2.782	3.767	0.9	19.6
2 21	9 38.29	+17 52.0	2.808	3.783	2.9	19.8
3 2	9 31.46	+18 45.4	2.864	3.797	5.8	20.0
3 12	9 25.73	+19 29.3	2.948	3.812	8.4	20.2
3 22	9 21.51	+20 2.2	3.057	3.825	10.6	20.4

357353 2003 QT_{106} 2 13.2 149°.42 2°.6/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 12.13	+19 10.0	2.034	2.875	12.1	21.7
1 22	10 5.33	+19 59.6	1.970	2.886	8.7	21.5
2 1	9 56.45	+20 52.4	1.933	2.896	5.0	21.3
2 11	9 46.32	+21 41.8	1.925	2.905	2.6	21.1
2 21	9 35.98	+22 22.1	1.947	2.914	4.9	21.3
3 2	9 26.52	+22 49.0	1.998	2.922	8.5	21.5
3 12	9 18.87	+23 0.9	2.075	2.929	11.8	21.7
3 22	9 13.58	+22 58.5	2.174	2.935	14.6	21.9

140634 2001 UY_{18} 2 13.2 161°.78 1°.1/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.86	+ 7 0.6	2.524	3.339	10.9	20.5
1 22	9 59.10	+ 7 40.6	2.443	3.342	8.0	20.3
2 1	9 52.84	+ 8 32.2	2.389	3.345	4.8	20.1
2 11	9 45.66	+ 9 32.0	2.364	3.347	1.6	19.9
2 21	9 38.24	+10 35.2	2.369	3.350	2.6	20.0
3 2	9 31.33	+11 37.2	2.405	3.352	5.9	20.2
3 12	9 25.61	+12 33.4	2.469	3.354	9.0	20.4
3 22	9 21.56	+13 21.0	2.557	3.355	11.7	20.6

169166 2001 QD_{218} 2 13.2 185°.03 0°.5/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.93	+13 57.9	2.860	3.687	9.4	21.8
1 22	10 0.45	+14 26.5	2.778	3.687	6.7	21.7
2 1	9 53.55	+15 0.4	2.724	3.687	3.8	21.5
2 11	9 45.79	+15 36.3	2.700	3.686	0.8	21.2
2 21	9 37.82	+16 10.6	2.707	3.684	2.7	21.4
3 2	9 30.33	+16 40.0	2.745	3.682	5.8	21.6
3 12	9 23.97	+17 2.2	2.811	3.680	8.6	21.8
3 22	9 19.18	+17 15.9	2.902	3.677	11.0	21.9

222262 2000 QY_{172} 2 13.2 145°.36 0°.6/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.50	+10 35.7	2.481	3.296	11.0	21.5
1 22	10 3.79	+10 42.6	2.408	3.309	8.1	21.3
2 1	9 55.44	+10 56.9	2.362	3.320	4.7	21.1
2 11	9 46.14	+11 15.8	2.346	3.331	1.2	20.8
2 21	9 36.67	+11 35.8	2.362	3.342	2.7	21.0
3 2	9 27.88	+11 54.0	2.408	3.351	6.2	21.2
3 12	9 20.50	+12 7.6	2.483	3.360	9.3	21.4
3 22	9 15.01	+12 15.1	2.582	3.368	11.9	21.6

288286 2004 AT_{12} 2 13.2 257°.27 3°.2/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.39	+20 24.4	2.184	3.035	11.0	20.4
1 22	10 0.52	+21 34.7	2.112	3.032	7.9	20.2
2 1	9 53.78	+22 48.6	2.067	3.030	4.8	20.0
2 11	9 45.85	+23 59.2	2.051	3.028	3.2	19.9
2 21	9 37.62	+25 0.3	2.065	3.026	5.3	20.0
3 2	9 30.02	+25 47.0	2.107	3.024	8.5	20.2
3 12	9 23.93	+26 16.7	2.174	3.021	11.6	20.4
3 22	9 19.90	+26 29.5	2.263	3.019	14.3	20.6

233615 2007 TM_{156} 2 13.2 164°.77 0°.4/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.80	+10 28.5	1.977	2.803	13.0	21.1
1 22	10 4.43	+10 52.6	1.902	2.808	9.5	20.9
2 1	9 55.99	+11 27.3	1.853	2.813	5.5	20.6
2 11	9 46.26	+12 8.2	1.832	2.818	1.2	20.3
2 21	9 36.25	+12 50.2	1.841	2.821	3.3	20.5
3 2	9 27.01	+13 28.2	1.880	2.824	7.5	20.8
3 12	9 19.50	+13 58.4	1.946	2.826	11.2	21.0
3 22	9 14.30	+14 18.6	2.034	2.828	14.4	21.2

432086 2008 YP_{151} 2 13.2 119°.04 3°.3/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.19	+20 14.6	2.379	3.227	10.3	21.0
1 22	10 0.23	+21 51.9	2.316	3.235	7.4	20.8
2 1	9 53.55	+23 32.7	2.282	3.243	4.5	20.6
2 11	9 45.81	+25 9.6	2.278	3.252	3.3	20.6
2 21	9 37.80	+26 35.9	2.304	3.260	5.3	20.7
3 2	9 30.39	+27 46.4	2.360	3.267	8.2	20.9
3 12	9 24.35	+28 38.3	2.442	3.275	11.0	21.1
3 22	9 20.23	+29 11.8	2.546	3.282	13.3	21.3

433920 2015 BG_{512} 2 13.2 72°.34 0°.4/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.05	+12 13.9	1.967	2.806	12.5	20.7
1 22	10 1.02	+12 53.0	1.898	2.812	9.0	20.4
2 1	9 54.05	+13 41.9	1.853	2.818	5.1	20.2
2 11	9 45.91	+14 35.4	1.837	2.823	0.9	19.9
2 21	9 37.50	+15 27.7	1.850	2.829	3.5	20.1
3 2	9 29.84	+16 13.4	1.891	2.835	7.5	20.4
3 12	9 23.79	+16 48.8	1.959	2.840	11.2	20.6
3 22	9 19.91	+17 11.9	2.049	2.846	14.2	20.8

80927 2000 DJ_{74} 2 13.2 207°.62 0°.1/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.21	+12 17.9	1.789	2.628	13.6	19.7
1 22	10 3.52	+12 39.0	1.713	2.627	9.9	19.5
2 1	9 55.57	+13 10.0	1.662	2.625	5.6	19.3
2 11	9 46.20	+13 46.2	1.637	2.623	1.0	18.9
2 21	9 36.47	+14 22.1	1.642	2.622	3.7	19.1
3 2	9 27.55	+14 52.5	1.675	2.620	8.2	19.4
3 12	9 20.47	+15 13.8	1.733	2.618	12.2	19.6
3 22	9 15.88	+15 23.9	1.813	2.616	15.6	19.8

40955 1999 TQ_{241} 2 13.2 154°.68 1°.0/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 5.85	+ 7 21.9	2.557	3.369	10.8	20.0
1 22	10 0.50	+ 8 0.5	2.480	3.378	8.0	19.8
2 1	9 53.62	+ 8 50.2	2.429	3.385	4.8	19.6
2 11	9 45.83	+ 9 47.3	2.408	3.392	1.5	19.4
2 21	9 37.83	+10 47.3	2.419	3.399	2.6	19.5
3 2	9 30.36	+11 45.6	2.459	3.405	5.9	19.7
3 12	9 24.13	+12 38.0	2.529	3.410	9.0	19.9
3 22	9 19.60	+13 21.9	2.622	3.415	11.6	20.1

467978 2012 PT_{15} 2 13.2 232°.63 3°.0/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.18	+ 1 8.7	2.295	3.091	12.5	22.1
1 22	9 59.54	+ 1 36.6	2.203	3.084	9.7	21.9
2 1	9 53.20	+ 2 21.6	2.136	3.077	6.5	21.7
2 11	9 45.77	+ 3 21.4	2.096	3.070	3.6	21.5
2 21	9 38.00	+ 4 31.5	2.086	3.063	3.5	21.5
3 2	9 30.72	+ 5 46.4	2.106	3.055	6.4	21.6
3 12	9 24.73	+ 7 0.1	2.154	3.047	9.7	21.8
3 22	9 20.57	+ 8 7.6	2.226	3.039	12.7	22.0

407484 2010 VL_{12} 2 13.2 86°.74 4°.1/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.17	+22 6.1	1.758	2.610	13.1	21.3
1 22	10 4.81	+23 10.3	1.711	2.631	9.5	21.1
2 1	9 56.20	+24 14.8	1.690	2.652	5.8	20.9
2 11	9 46.30	+25 11.6	1.698	2.672	4.1	20.9
2 21	9 36.32	+25 53.8	1.733	2.693	6.3	21.0
3 2	9 27.44	+26 17.7	1.796	2.713	9.8	21.3
3 12	9 20.65	+26 22.5	1.884	2.733	13.1	21.5
3 22	9 16.46	+26 10.2	1.991	2.752	15.8	21.8

503 Evelyn 2 13.2 21°.47 3°.6/10.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.64	+19 22.8	1.399	2.267	15.0	12.6
1 22	10 2.06	+20 19.9	1.346	2.274	10.7	12.4
2 1	9 54.86	+21 21.9	1.315	2.282	6.3	12.2
2 11	9 46.08	+22 19.9	1.310	2.291	3.6	12.0
2 21	9 37.05	+23 5.5	1.332	2.301	6.4	12.2
3 2	9 29.18	+23 32.9	1.379	2.312	10.7	12.5
3 12	9 23.61	+23 40.2	1.448	2.323	14.7	12.8
3 22	9 20.93	+23 28.6	1.537	2.336	18.1	13.0

496503 2014 UA_{72} 2 13.2 100°.67 7°.0/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.42	− 7 58.5	1.867	2.625	16.3	21.4
1 22	10 1.35	− 8 6.1	1.794	2.636	13.5	21.3
2 1	9 54.28	− 7 47.9	1.743	2.647	10.4	21.1
2 11	9 45.97	− 7 3.9	1.716	2.659	7.8	21.0
2 21	9 37.38	− 5 57.7	1.716	2.670	7.0	20.9
3 2	9 29.54	− 4 35.7	1.743	2.680	8.6	21.0
3 12	9 23.38	− 3 6.2	1.797	2.691	11.3	21.2
3 22	9 19.46	− 1 37.5	1.874	2.701	14.2	21.4

9994 Grotius 2 13.2 55°.19 4°.3/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.78	+ 0 29.7	1.521	2.334	16.9	17.9
1 22	10 1.84	+ 0 39.0	1.463	2.352	13.1	17.7
2 1	9 54.61	+ 1 11.4	1.427	2.370	8.9	17.5
2 11	9 46.02	+ 2 4.1	1.415	2.388	5.2	17.4
2 21	9 37.24	+ 3 10.7	1.430	2.406	4.9	17.4
3 2	9 29.46	+ 4 23.5	1.473	2.425	8.3	17.6
3 12	9 23.69	+ 5 34.2	1.540	2.444	12.2	17.9
3 22	9 20.49	+ 6 36.6	1.629	2.463	15.7	18.2

7411 1990 QQ_1 2 13.2 42°.87 3°.0/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.29	+22 10.4	1.781	2.629	13.2	16.8
1 22	10 6.17	+22 14.7	1.732	2.650	9.5	16.6
2 1	9 56.87	+22 17.7	1.708	2.671	5.6	16.4
2 11	9 46.41	+22 14.2	1.713	2.693	3.0	16.3
2 21	9 36.01	+22 0.6	1.746	2.715	5.2	16.5
3 2	9 26.82	+21 35.4	1.808	2.738	8.8	16.8
3 12	9 19.76	+20 59.1	1.894	2.760	12.2	17.0
3 22	9 15.30	+20 13.6	2.003	2.783	15.1	17.3

424361 2007 VF_{181} 2 13.2 46°.09 2°.0/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.04	+ 6 6.4	1.996	2.817	13.1	20.8
1 22	10 0.20	+ 6 19.7	1.929	2.829	9.8	20.6
2 1	9 53.55	+ 6 46.7	1.887	2.841	6.1	20.4
2 11	9 45.83	+ 7 24.1	1.872	2.854	2.6	20.2
2 21	9 37.91	+ 8 7.4	1.886	2.866	3.2	20.3
3 2	9 30.73	+ 8 51.6	1.929	2.879	6.8	20.5
3 12	9 25.09	+ 9 31.9	1.998	2.892	10.3	20.8
3 22	9 21.51	+10 5.0	2.089	2.906	13.3	21.0

137075 1998 WK_{38} 2 13.2 69°.60 0°.8/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.00	+13 17.1	1.564	2.411	14.8	20.5
1 22	10 4.07	+13 57.2	1.515	2.433	10.6	20.3
2 1	9 55.82	+14 47.2	1.489	2.455	5.9	20.1
2 11	9 46.25	+15 40.2	1.491	2.477	1.2	19.8
2 21	9 36.58	+16 29.1	1.520	2.499	4.2	20.1
3 2	9 28.05	+17 8.1	1.577	2.521	8.8	20.4
3 12	9 21.67	+17 33.9	1.659	2.542	12.7	20.7
3 22	9 17.94	+17 45.6	1.762	2.564	16.0	20.9

126351 2002 AC_{167} 2 13.2 295°.90 2°.0/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 7.64	+ 7 18.9	1.858	2.683	13.8	19.4
1 22	10 2.36	+ 7 16.9	1.774	2.676	10.4	19.1
2 1	9 54.94	+ 7 28.0	1.713	2.669	6.4	18.9
2 11	9 46.12	+ 7 49.5	1.679	2.661	2.6	18.6
2 21	9 36.89	+ 8 17.4	1.674	2.654	3.5	18.7
3 2	9 28.36	+ 8 47.2	1.698	2.648	7.6	18.9
3 12	9 21.51	+ 9 14.1	1.747	2.641	11.6	19.1
3 22	9 17.00	+ 9 34.8	1.818	2.634	15.0	19.3

355949 2008 YQ_{125} 2 13.2 266°.95 2°.3/11.5 17

1 12	10 9.15	+15 50.8	1.682	2.531	13.8	21.0
1 22	10 3.91	+16 54.7	1.591	2.511	10.0	20.8
2 1	9 56.06	+18 9.8	1.524	2.490	5.7	20.5
2 11	9 46.37	+19 28.6	1.484	2.468	2.3	20.2
2 21	9 35.96	+20 42.1	1.473	2.446	5.4	20.3
3 2	9 26.19	+21 42.3	1.490	2.423	10.1	20.5
3 12	9 18.34	+22 24.4	1.531	2.400	14.4	20.7
3 22	9 13.26	+22 46.9	1.592	2.377	18.2	20.9

496062 2009 JC_{6} 2 13.2 318°.87 4°.1/10.1 17

1 12	10 4.89	+17 50.6	1.354	2.223	15.2	20.4
1 22	10 1.23	+19 26.1	1.277	2.207	11.0	20.1
2 1	9 54.68	+21 14.6	1.224	2.191	6.5	19.8
2 11	9 46.12	+23 4.6	1.196	2.176	4.1	19.6
2 21	9 36.85	+24 43.5	1.194	2.161	7.4	19.8
3 2	9 28.43	+26 0.8	1.218	2.147	12.3	20.0
3 12	9 22.29	+26 50.8	1.263	2.133	16.8	20.2
3 22	9 19.32	+27 13.1	1.326	2.121	20.7	20.5

134726 2000 AJ_{67} 2 13.2 45°.67 0°.5/13.6 18

1 12	10 8.76	+10 45.0	1.518	2.362	15.3	19.1
1 22	10 3.41	+11 2.9	1.453	2.368	11.2	18.9
2 1	9 55.59	+11 33.7	1.411	2.375	6.5	18.6
2 11	9 46.24	+12 12.2	1.396	2.381	1.4	18.3
2 21	9 36.60	+12 52.2	1.408	2.388	3.9	18.5
3 2	9 27.98	+13 27.6	1.446	2.396	8.8	18.8
3 12	9 21.47	+13 53.8	1.510	2.403	13.1	19.1
3 22	9 17.70	+14 8.5	1.594	2.411	16.7	19.3

325394 2008 YV_{158} 2 13.2 188°.58 3°.0/10.6 18

1 12	10 9.05	+10 9.4	1.216	2.070	17.7	20.4
1 22	10 4.43	+13 4.1	1.147	2.070	12.7	20.1
2 1	9 56.60	+16 28.6	1.102	2.070	7.0	19.8
2 11	9 46.49	+20 5.2	1.086	2.069	3.0	19.6
2 21	9 35.59	+23 31.8	1.099	2.068	7.4	19.8
3 2	9 25.67	+26 28.8	1.139	2.067	13.1	20.1
3 12	9 18.35	+28 45.6	1.204	2.065	18.1	20.4
3 22	9 14.56	+30 20.9	1.286	2.063	22.1	20.7

375036 2007 HW_{61} 2 13.2 216°.99 2°.7/11.0 18

1 12	10 7.98	+19 7.5	1.991	2.840	12.0	21.0
1 22	10 2.51	+19 55.6	1.919	2.838	8.6	20.8
2 1	9 54.97	+20 47.7	1.872	2.836	5.0	20.5
2 11	9 46.13	+21 37.6	1.854	2.835	2.7	20.4
2 21	9 36.98	+22 19.1	1.864	2.833	5.0	20.5
3 2	9 28.59	+22 47.7	1.903	2.831	8.6	20.7
3 12	9 21.90	+23 1.3	1.968	2.829	12.1	21.0
3 22	9 17.50	+22 59.9	2.054	2.827	15.0	21.2

459825 2013 SO_{62} 2 13.2 200°.71 0°.8/13.9 17

1 12	10 6.29	+ 8 25.3	2.148	2.971	12.2	21.6
1 22	10 1.14	+ 9 0.0	2.065	2.969	9.0	21.3
2 1	9 54.14	+ 9 47.1	2.008	2.966	5.3	21.1
2 11	9 45.98	+10 42.6	1.979	2.963	1.5	20.8
2 21	9 37.49	+11 41.3	1.980	2.960	3.0	20.9
3 2	9 29.60	+12 37.6	2.010	2.957	6.9	21.2
3 12	9 23.15	+13 27.0	2.068	2.953	10.5	21.4
3 22	9 18.72	+14 6.3	2.149	2.949	13.5	21.6

149443 2003 BZ_{89} 2 13.2 34°.63 0°.6/13.5 18

1 12	10 12.60	+12 51.6	1.497	2.341	15.5	19.5
1 22	10 6.14	+12 30.0	1.435	2.349	11.3	19.2
2 1	9 57.10	+12 16.7	1.395	2.358	6.5	19.0
2 11	9 46.53	+12 8.2	1.382	2.368	1.5	18.7
2 21	9 35.75	+12 0.9	1.397	2.378	3.9	18.9
3 2	9 26.14	+11 51.5	1.439	2.388	8.8	19.2
3 12	9 18.84	+11 37.6	1.506	2.399	13.1	19.5
3 22	9 14.43	+11 17.8	1.594	2.411	16.7	19.7

309866 2009 DK_{74} 2 13.2 310°.30 0°.6/12.8 18

1 12	10 7.26	+12 24.3	1.414	2.268	15.7	21.1
1 22	10 2.73	+13 2.5	1.334	2.256	11.4	20.8
2 1	9 55.44	+13 55.0	1.278	2.244	6.5	20.5
2 11	9 46.27	+14 55.4	1.246	2.232	1.2	20.1
2 21	9 36.48	+15 55.3	1.242	2.221	4.6	20.3
3 2	9 27.57	+16 46.7	1.263	2.210	10.0	20.6
3 12	9 20.85	+17 23.9	1.308	2.200	14.8	20.8
3 22	9 17.15	+17 44.1	1.372	2.190	18.9	21.1

86862 2000 HU_{13} 2 13.2 274°.86 3°.9/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 10.34	+21 55.3	1.900	2.750	12.4	20.2
1 22	10 4.60	+22 51.0	1.807	2.726	9.1	20.0
2 1	9 56.38	+23 50.2	1.739	2.701	5.7	19.7
2 11	9 46.44	+24 45.3	1.699	2.675	3.9	19.6
2 21	9 35.85	+25 28.9	1.688	2.649	6.3	19.6
3 2	9 25.89	+25 55.4	1.705	2.623	10.1	19.8
3 12	9 17.74	+26 2.8	1.746	2.596	13.9	20.0
3 22	9 12.20	+25 51.6	1.808	2.569	17.2	20.1

90230 2003 BO_{24} 2 13.2 1°.74 3°.9/16.8 18

1 12	10 2.11	− 0 6.2	1.924	2.727	14.2	19.4
1 22	9 58.27	+ 0 12.7	1.844	2.726	11.1	19.2
2 1	9 52.57	+ 0 52.0	1.786	2.726	7.7	19.0
2 11	9 45.70	+ 1 49.3	1.755	2.726	4.6	18.8
2 21	9 38.52	+ 2 59.9	1.752	2.727	4.3	18.8
3 2	9 31.96	+ 4 17.3	1.777	2.729	7.2	19.0
3 12	9 26.89	+ 5 34.3	1.828	2.731	10.7	19.2
3 22	9 23.88	+ 6 44.8	1.902	2.733	13.8	19.4

433098 2012 TC_{97} 2 13.2 187°.07 4°.4/ 9.2 18

1 12	10 8.74	+26 55.5	2.434	3.279	10.2	20.8
1 22	10 2.77	+27 40.6	2.367	3.279	7.6	20.6
2 1	9 55.00	+28 22.7	2.326	3.279	5.2	20.4
2 11	9 46.14	+28 56.1	2.314	3.278	4.4	20.4
2 21	9 37.07	+29 16.3	2.332	3.278	6.0	20.5
3 2	9 28.71	+29 20.8	2.378	3.277	8.6	20.6
3 12	9 21.88	+29 9.4	2.449	3.276	11.2	20.8
3 22	9 17.10	+28 43.5	2.542	3.275	13.4	21.0

140994 2001 WR_{27} 2 13.2 16°.16 2°.2/15.1 18

1 12	10 3.29	+ 5 5.3	1.971	2.793	13.2	19.1
1 22	9 59.05	+ 5 26.2	1.897	2.796	10.0	18.9
2 1	9 52.97	+ 6 2.5	1.847	2.800	6.3	18.7
2 11	9 45.77	+ 6 50.8	1.824	2.805	2.8	18.4
2 21	9 38.31	+ 7 46.3	1.829	2.809	3.3	18.5
3 2	9 31.51	+ 8 43.3	1.863	2.815	6.9	18.7
3 12	9 26.21	+ 9 36.2	1.923	2.820	10.5	18.9
3 22	9 22.94	+10 21.0	2.006	2.827	13.6	19.2

222263 2000 QZ_{173} 2 13.2 118°.24 2°.2/15.0 18

1 12	10 8.47	+ 5 34.1	2.053	2.865	13.1	20.3
1 22	10 2.64	+ 5 40.3	1.983	2.877	9.9	20.1
2 1	9 54.95	+ 5 59.9	1.937	2.888	6.2	19.9
2 11	9 46.14	+ 6 30.2	1.919	2.899	2.8	19.7
2 21	9 37.11	+ 7 7.0	1.931	2.910	3.4	19.8
3 2	9 28.84	+ 7 45.8	1.972	2.921	6.9	20.0
3 12	9 22.15	+ 8 21.9	2.040	2.931	10.3	20.2
3 22	9 17.58	+ 8 52.0	2.132	2.941	13.3	20.5

412062 2013 EX_{62} 2 13.2 271°.32 1°.2/12.5 16

1 12	10 10.41	+14 29.6	1.621	2.467	14.4	21.6
1 22	10 4.85	+15 0.4	1.531	2.449	10.5	21.3
2 1	9 56.61	+15 41.3	1.466	2.431	6.0	21.0
2 11	9 46.51	+16 26.4	1.427	2.413	1.4	20.7
2 21	9 35.76	+17 8.6	1.417	2.394	4.6	20.9
3 2	9 25.74	+17 41.6	1.434	2.376	9.6	21.1
3 12	9 17.75	+18 1.4	1.475	2.356	14.1	21.3
3 22	9 12.61	+18 6.4	1.537	2.337	18.0	21.5

156627 2002 GG_{174} 2 13.2 281°.90 3°.0/10.7 18

1 12	10 7.01	+19 8.3	1.909	2.761	12.3	19.5
1 22	10 2.00	+20 7.4	1.829	2.750	8.9	19.3
2 1	9 54.80	+21 11.9	1.774	2.739	5.2	19.1
2 11	9 46.15	+22 14.8	1.747	2.728	3.0	18.9
2 21	9 37.06	+23 9.0	1.749	2.716	5.4	19.0
3 2	9 28.67	+23 49.1	1.779	2.705	9.2	19.2
3 12	9 21.99	+24 12.0	1.834	2.694	12.8	19.4
3 22	9 17.70	+24 17.6	1.909	2.683	15.9	19.6

462083 2007 FE_{45} 2 13.2 311°.40 2°.2/11.7 17

1 12	10 8.85	+17 49.4	1.788	2.638	13.1	21.8
1 22	10 3.34	+18 22.1	1.713	2.634	9.4	21.6
2 1	9 55.54	+19 0.0	1.664	2.629	5.4	21.3
2 11	9 46.28	+19 36.9	1.642	2.625	2.2	21.1
2 21	9 36.67	+20 6.9	1.648	2.621	4.8	21.3
3 2	9 27.91	+20 25.4	1.682	2.618	9.0	21.5
3 12	9 21.02	+20 30.0	1.741	2.614	12.8	21.7
3 22	9 16.66	+20 20.7	1.821	2.611	16.0	22.0

100860 1998 HA_{52} 2 13.2 267°.96 3°.0/15.4 17

1 12	10 7.75	+ 3 44.8	1.759	2.574	14.9	20.2
1 22	10 2.73	+ 3 58.5	1.661	2.555	11.5	19.9
2 1	9 55.34	+ 4 31.0	1.585	2.535	7.5	19.7
2 11	9 46.28	+ 5 20.3	1.536	2.515	3.7	19.4
2 21	9 36.57	+ 6 21.3	1.516	2.495	4.1	19.4
3 2	9 27.41	+ 7 27.6	1.523	2.474	8.3	19.6
3 12	9 19.97	+ 8 31.7	1.556	2.453	12.6	19.8
3 22	9 15.02	+ 9 27.9	1.611	2.431	16.4	19.9

350598 2001 RG_{24} 2 13.2 116°.03 1°.7/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 14.70	+16 9.3	1.652	2.494	14.4	21.5
1 22	10 7.45	+16 42.4	1.596	2.512	10.3	21.3
2 1	9 57.77	+17 21.5	1.565	2.530	5.8	21.0
2 11	9 46.69	+18 0.1	1.562	2.547	1.8	20.8
2 21	9 35.47	+18 31.9	1.589	2.564	4.6	21.0
3 2	9 25.45	+18 52.4	1.643	2.580	9.0	21.3
3 12	9 17.65	+18 59.6	1.723	2.595	12.9	21.6
3 22	9 12.64	+18 53.7	1.824	2.610	16.1	21.9

117276 2004 TQ_{118} 2 13.2 138°.09 0°.5/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.97	+ 9 31.3	1.911	2.736	13.5	20.8
1 22	10 4.57	+10 9.0	1.845	2.750	9.8	20.6
2 1	9 56.11	+10 58.9	1.804	2.764	5.7	20.3
2 11	9 46.39	+11 55.7	1.791	2.777	1.3	20.1
2 21	9 36.44	+12 53.5	1.809	2.789	3.3	20.2
3 2	9 27.36	+13 46.4	1.856	2.800	7.6	20.5
3 12	9 20.06	+14 29.9	1.930	2.811	11.3	20.8
3 22	9 15.11	+15 1.7	2.026	2.820	14.5	21.0

330335 2006 UC_{232} 2 13.3 135°.45 0°.3/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.97	+10 43.3	1.931	2.762	13.1	21.9
1 22	10 3.16	+11 12.7	1.861	2.770	9.5	21.7
2 1	9 55.33	+11 52.9	1.817	2.778	5.5	21.5
2 11	9 46.25	+12 39.1	1.800	2.786	1.1	21.2
2 21	9 36.92	+13 25.9	1.813	2.793	3.3	21.3
3 2	9 28.38	+14 7.9	1.855	2.800	7.5	21.6
3 12	9 21.56	+14 41.3	1.924	2.807	11.2	21.9
3 22	9 17.02	+15 3.8	2.015	2.813	14.4	22.1

400255 2007 RW_{4} 2 13.3 92°.66 1°.4/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.08	+ 9 15.4	1.601	2.431	15.4	20.7
1 22	10 6.30	+ 9 15.5	1.543	2.450	11.3	20.5
2 1	9 57.13	+ 9 28.2	1.509	2.468	6.7	20.3
2 11	9 46.58	+ 9 49.4	1.502	2.486	2.1	20.0
2 21	9 35.88	+10 14.3	1.523	2.504	3.7	20.2
3 2	9 26.33	+10 37.9	1.573	2.522	8.3	20.5
3 12	9 18.94	+10 56.1	1.648	2.539	12.4	20.7
3 22	9 14.28	+11 6.4	1.745	2.555	15.8	21.0

158363 2001 XU_{144} 2 13.3 159°.72 2°.2/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.15	+16 27.2	1.871	2.713	13.0	20.6
1 22	10 4.87	+17 31.8	1.804	2.720	9.3	20.4
2 1	9 56.36	+18 43.5	1.762	2.727	5.2	20.1
2 11	9 46.45	+19 54.9	1.750	2.733	2.2	20.0
2 21	9 36.23	+20 58.6	1.767	2.738	4.9	20.1
3 2	9 26.87	+21 48.8	1.813	2.742	8.9	20.4
3 12	9 19.38	+22 22.4	1.885	2.746	12.5	20.6
3 22	9 14.38	+22 39.2	1.978	2.749	15.6	20.8

14442 1992 SR_{25} 2 13.3 77°.38 2°.8/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.99	+20 52.5	2.063	2.909	11.7	18.1
1 22	10 3.76	+21 20.0	2.003	2.920	8.4	17.9
2 1	9 55.58	+21 48.3	1.969	2.932	5.0	17.7
2 11	9 46.28	+22 12.2	1.964	2.944	2.8	17.6
2 21	9 36.86	+22 26.9	1.988	2.955	4.8	17.8
3 2	9 28.32	+22 29.8	2.040	2.967	8.2	18.0
3 12	9 21.53	+22 19.9	2.119	2.978	11.4	18.2
3 22	9 17.00	+21 58.2	2.219	2.990	14.1	18.4

197631 2004 KN_{8} 2 13.3 254°.10 1°.9/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.86	+14 40.6	1.463	2.316	15.3	20.4
1 22	10 4.59	+15 36.4	1.386	2.307	11.1	20.1
2 1	9 56.51	+16 44.5	1.332	2.298	6.2	19.8
2 11	9 46.52	+17 57.0	1.304	2.289	1.9	19.5
2 21	9 35.92	+19 4.4	1.303	2.279	5.3	19.7
3 2	9 26.22	+19 58.6	1.329	2.269	10.4	20.0
3 12	9 18.76	+20 34.7	1.379	2.259	15.0	20.2
3 22	9 14.35	+20 51.5	1.448	2.249	18.9	20.4

45791 2000 OD_{45} 2 13.3 202°.24 0°.5/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.93	+11 4.8	2.035	2.857	12.8	19.4
1 22	10 6.06	+11 13.8	1.948	2.852	9.5	19.1
2 1	9 57.03	+11 31.9	1.887	2.847	5.5	18.9
2 11	9 46.59	+11 55.5	1.855	2.841	1.3	18.6
2 21	9 35.75	+12 20.4	1.854	2.834	3.3	18.7
3 2	9 25.61	+12 42.3	1.882	2.826	7.5	19.0
3 12	9 17.18	+12 57.9	1.938	2.817	11.4	19.2
3 22	9 11.10	+13 5.4	2.016	2.807	14.6	19.4

49034 1998 QS_{105} 2 13.3 104°.22 1°.3/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.84	+13 53.1	1.763	2.607	13.5	19.3
1 22	10 3.21	+14 51.1	1.703	2.621	9.7	19.1
2 1	9 55.39	+15 58.4	1.669	2.634	5.4	18.9
2 11	9 46.27	+17 8.1	1.662	2.648	1.4	18.6
2 21	9 36.93	+18 12.8	1.685	2.661	4.3	18.8
3 2	9 28.51	+19 6.4	1.736	2.674	8.5	19.1
3 12	9 21.98	+19 45.0	1.812	2.686	12.3	19.4
3 22	9 17.90	+20 7.7	1.909	2.698	15.4	19.6

502899 2015 EW_{5} 2 13.3 185°.70 0°.7/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 8.28	+15 8.3	2.414	3.247	10.7	21.3
1 22	10 2.38	+15 23.6	2.336	3.247	7.7	21.2
2 1	9 54.79	+15 43.9	2.283	3.247	4.3	20.9
2 11	9 46.16	+16 5.3	2.260	3.246	1.0	20.7
2 21	9 37.29	+16 24.1	2.268	3.245	3.2	20.9
3 2	9 29.05	+16 37.4	2.306	3.244	6.7	21.1
3 12	9 22.20	+16 42.9	2.371	3.243	9.8	21.3
3 22	9 17.25	+16 39.8	2.459	3.242	12.5	21.5

467559 2007 TL_{194} 2 13.3 170°.49 4°.0/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.58	+25 52.0	2.537	3.380	9.9	21.5
1 22	10 2.61	+26 40.1	2.470	3.383	7.3	21.3
2 1	9 54.91	+27 26.0	2.430	3.385	4.9	21.2
2 11	9 46.18	+28 4.3	2.420	3.386	4.0	21.1
2 21	9 37.25	+28 30.5	2.440	3.388	5.6	21.2
3 2	9 28.99	+28 41.9	2.488	3.389	8.2	21.4
3 12	9 22.17	+28 38.1	2.562	3.390	10.7	21.6
3 22	9 17.31	+28 20.2	2.658	3.390	12.9	21.7

218733 2005 UZ_{342} 2 13.3 131°.72 0°.0/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.67	+12 46.0	2.349	3.172	11.3	21.0
1 22	10 4.72	+12 56.8	2.283	3.188	8.2	20.8
2 1	9 56.06	+13 13.8	2.243	3.204	4.7	20.6
2 11	9 46.41	+13 33.6	2.233	3.219	0.9	20.3
2 21	9 36.62	+13 52.5	2.254	3.233	2.9	20.5
3 2	9 27.60	+14 7.4	2.306	3.247	6.5	20.8
3 12	9 20.11	+14 16.0	2.386	3.260	9.7	21.0
3 22	9 14.63	+14 17.4	2.490	3.272	12.4	21.2

280206 2002 TF_{184} 2 13.3 99°.83 3°.7/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.35	− 0 1.0	2.270	3.059	12.8	20.3
1 22	10 0.31	+ 0 2.5	2.196	3.069	10.0	20.1
2 1	9 53.63	+ 0 22.3	2.145	3.080	7.0	19.9
2 11	9 45.96	+ 0 56.7	2.122	3.090	4.3	19.8
2 21	9 38.08	+ 1 42.2	2.128	3.100	4.1	19.8
3 2	9 30.82	+ 2 34.3	2.163	3.110	6.5	19.9
3 12	9 24.90	+ 3 27.7	2.226	3.120	9.4	20.1
3 22	9 20.83	+ 4 17.8	2.313	3.130	12.2	20.3

222370 2000 YK_{56} 2 13.3 67°.53 5°.9/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.09	+25 58.7	1.778	2.637	12.7	20.0
1 22	10 2.81	+27 44.7	1.734	2.653	9.4	19.8
2 1	9 55.22	+29 28.2	1.716	2.669	6.7	19.7
2 11	9 46.26	+30 59.2	1.726	2.686	6.1	19.7
2 21	9 37.09	+32 9.3	1.764	2.702	8.2	19.9
3 2	9 28.91	+32 54.2	1.828	2.719	11.2	20.1
3 12	9 22.74	+33 13.6	1.915	2.735	14.1	20.3
3 22	9 19.15	+33 10.2	2.021	2.751	16.5	20.5

417819 2007 FQ_{15} 2 13.3 343°.15 1°.8/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.75	+ 8 27.2	1.417	2.263	16.1	20.4
1 22	10 1.56	+ 8 25.5	1.339	2.253	12.0	20.1
2 1	9 54.76	+ 8 39.5	1.284	2.244	7.4	19.8
2 11	9 46.22	+ 9 5.7	1.253	2.236	2.6	19.5
2 21	9 37.16	+ 9 38.9	1.247	2.229	4.1	19.6
3 2	9 28.97	+10 12.8	1.268	2.223	9.1	19.9
3 12	9 22.90	+10 41.5	1.313	2.218	13.8	20.1
3 22	9 19.68	+11 0.8	1.377	2.214	17.8	20.3

99601 2002 GW_{45} 2 13.3 110°.39 3°.2/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.90	+ 2 40.4	1.692	2.503	15.5	19.9
1 22	10 3.30	+ 2 57.6	1.625	2.516	11.9	19.7
2 1	9 55.49	+ 3 34.5	1.581	2.529	7.8	19.5
2 11	9 46.32	+ 4 27.5	1.564	2.541	4.0	19.3
2 21	9 36.89	+ 5 31.1	1.575	2.553	4.1	19.3
3 2	9 28.36	+ 6 38.0	1.614	2.565	7.9	19.5
3 12	9 21.72	+ 7 41.3	1.679	2.576	11.8	19.8
3 22	9 17.55	+ 8 35.9	1.766	2.587	15.2	20.0

49625 1999 GS_{10} 2 13.3 52°.71 3°.7/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.95	+22 54.3	1.955	2.807	12.0	18.6
1 22	10 3.12	+23 34.9	1.902	2.821	8.7	18.4
2 1	9 55.27	+24 14.9	1.873	2.835	5.4	18.3
2 11	9 46.27	+24 48.0	1.873	2.849	3.7	18.2
2 21	9 37.14	+25 9.2	1.902	2.863	5.7	18.3
3 2	9 28.96	+25 15.3	1.958	2.877	8.9	18.6
3 12	9 22.61	+25 6.1	2.039	2.892	12.0	18.8
3 22	9 18.59	+24 42.8	2.141	2.906	14.7	19.0

193821 2001 QN_{17} 2 13.3 154°.39 0°.7/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.07	+ 9 43.5	1.809	2.635	14.0	21.7
1 22	10 5.53	+10 9.7	1.738	2.644	10.3	21.5
2 1	9 56.74	+10 48.1	1.692	2.652	6.0	21.2
2 11	9 46.56	+11 34.0	1.674	2.659	1.5	20.9
2 21	9 36.09	+12 21.6	1.686	2.666	3.5	21.1
3 2	9 26.50	+13 5.2	1.726	2.672	7.9	21.4
3 12	9 18.81	+13 40.3	1.793	2.677	11.9	21.6
3 22	9 13.62	+14 4.6	1.882	2.681	15.3	21.9

320366 2007 TE_{354} 2 13.3 162°.27 2°.2/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 10.15	+16 26.8	2.014	2.854	12.2	21.5
1 22	10 4.05	+17 34.4	1.945	2.861	8.8	21.3
2 1	9 55.87	+18 48.9	1.903	2.867	4.9	21.1
2 11	9 46.40	+20 3.2	1.890	2.872	2.2	20.9
2 21	9 36.62	+21 10.3	1.907	2.877	4.7	21.1
3 2	9 27.61	+22 4.4	1.953	2.881	8.4	21.3
3 12	9 20.32	+22 42.6	2.026	2.884	11.9	21.6
3 22	9 15.33	+23 4.2	2.120	2.886	14.8	21.8

376468 2012 JU_{17} 2 13.3 167°.78 3°.6/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.36	+22 8.8	2.270	3.116	10.8	21.4
1 22	10 2.63	+23 18.0	2.203	3.120	7.8	21.2
2 1	9 55.02	+24 28.8	2.163	3.123	4.9	21.1
2 11	9 46.24	+25 34.3	2.153	3.126	3.6	21.0
2 21	9 37.18	+26 28.5	2.172	3.128	5.6	21.1
3 2	9 28.82	+27 7.2	2.221	3.130	8.6	21.3
3 12	9 21.99	+27 28.8	2.295	3.132	11.5	21.5
3 22	9 17.26	+27 33.9	2.390	3.133	13.9	21.7

70355 1999 RC_{185} 2 13.3 240°.80 1°.0/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.42	+12 47.8	1.829	2.669	13.3	19.8
1 22	10 3.13	+13 46.6	1.742	2.657	9.7	19.6
2 1	9 55.53	+14 57.8	1.679	2.644	5.4	19.3
2 11	9 46.37	+16 15.0	1.645	2.631	1.2	19.0
2 21	9 36.66	+17 30.5	1.640	2.617	4.2	19.1
3 2	9 27.60	+18 37.0	1.664	2.603	8.7	19.4
3 12	9 20.27	+19 29.2	1.714	2.589	12.8	19.6
3 22	9 15.42	+20 4.9	1.785	2.574	16.3	19.8

429064 2009 FQ_{19} 2 13.3 291°.21 4°.4/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.40	− 3 41.9	2.346	3.120	12.9	21.1
1 22	9 58.29	− 3 20.0	2.250	3.110	10.4	20.9
2 1	9 52.57	− 2 38.0	2.177	3.100	7.6	20.7
2 11	9 45.79	− 1 37.4	2.130	3.090	5.1	20.5
2 21	9 38.67	− 0 21.8	2.113	3.081	4.6	20.5
3 2	9 32.00	+ 1 3.3	2.125	3.071	6.6	20.6
3 12	9 26.54	+ 2 31.4	2.164	3.062	9.5	20.7
3 22	9 22.83	+ 3 56.2	2.229	3.052	12.4	20.9

90949 1997 VB_{5} 2 13.3 57°.61 3°.1/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.59	+ 4 24.9	1.356	2.187	17.5	19.0
1 22	10 3.49	+ 4 35.7	1.295	2.198	13.3	18.7
2 1	9 55.75	+ 5 7.8	1.256	2.210	8.5	18.5
2 11	9 46.39	+ 5 57.4	1.241	2.221	3.9	18.3
2 21	9 36.73	+ 6 57.6	1.253	2.233	4.4	18.3
3 2	9 28.18	+ 8 0.1	1.291	2.245	9.0	18.6
3 12	9 21.92	+ 8 57.0	1.353	2.257	13.5	18.9
3 22	9 18.57	+ 9 43.2	1.436	2.270	17.4	19.2

504822 2010 JV_{1} 2 13.3 271°.78 7°.2/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.78	+35 10.8	2.411	3.251	10.5	21.3
1 22	10 3.23	+36 40.6	2.337	3.232	8.6	21.2
2 1	9 55.52	+38 3.8	2.291	3.213	7.3	21.1
2 11	9 46.36	+39 12.1	2.272	3.194	7.5	21.0
2 21	9 36.73	+39 59.3	2.281	3.175	9.0	21.1
3 2	9 27.71	+40 22.1	2.315	3.155	11.2	21.2
3 12	9 20.33	+40 20.6	2.372	3.135	13.4	21.3
3 22	9 15.26	+39 57.5	2.448	3.115	15.4	21.5

428485 2007 VO_{133} 2 13.3 143°.03 1°.7/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.39	+ 6 24.0	2.587	3.395	10.9	21.5
1 22	10 0.90	+ 6 29.8	2.510	3.402	8.1	21.3
2 1	9 53.91	+ 6 45.7	2.458	3.409	5.1	21.1
2 11	9 46.04	+ 7 9.6	2.435	3.416	2.2	21.0
2 21	9 37.96	+ 7 38.3	2.443	3.422	2.7	21.0
3 2	9 30.44	+ 8 8.4	2.481	3.428	5.7	21.2
3 12	9 24.14	+ 8 36.5	2.547	3.434	8.7	21.4
3 22	9 19.52	+ 9 0.0	2.638	3.439	11.3	21.6

2332 Kalm 2 13.3 195°.53 6°.0/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.47	+31 41.2	2.413	3.258	10.3	16.1
1 22	10 2.76	+32 53.5	2.352	3.257	8.0	16.0
2 1	9 55.11	+34 0.1	2.318	3.256	6.3	15.9
2 11	9 46.27	+34 54.0	2.312	3.254	6.2	15.9
2 21	9 37.16	+35 29.8	2.335	3.253	7.6	16.0
3 2	9 28.78	+35 44.9	2.384	3.251	9.9	16.1
3 12	9 21.99	+35 39.6	2.457	3.249	12.2	16.2
3 22	9 17.35	+35 16.1	2.550	3.247	14.2	16.4

217100 2001 XQ_{9} 2 13.3 106°.41 1°.5/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.81	+ 7 49.4	2.003	2.822	13.2	20.7
1 22	10 3.63	+ 7 57.3	1.938	2.838	9.7	20.5
2 1	9 55.55	+ 8 17.0	1.899	2.854	5.9	20.3
2 11	9 46.34	+ 8 45.1	1.887	2.870	2.1	20.1
2 21	9 36.97	+ 9 17.4	1.906	2.886	3.2	20.2
3 2	9 28.44	+ 9 49.4	1.953	2.901	7.0	20.5
3 12	9 21.58	+10 17.1	2.028	2.916	10.5	20.7
3 22	9 16.91	+10 37.9	2.126	2.930	13.5	21.0

227290 2005 SW_{189} 2 13.3 205°.36 4°.3/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 6.72	− 3 5.6	2.473	3.239	12.5	22.2
1 22	10 1.32	− 2 56.4	2.377	3.233	10.0	22.0
2 1	9 54.26	− 2 29.5	2.304	3.226	7.3	21.8
2 11	9 46.12	− 1 45.7	2.260	3.219	4.9	21.6
2 21	9 37.63	− 0 48.2	2.245	3.210	4.5	21.6
3 2	9 29.60	+ 0 18.4	2.260	3.202	6.6	21.7
3 12	9 22.80	+ 1 28.6	2.303	3.192	9.4	21.9
3 22	9 17.77	+ 2 36.9	2.372	3.182	12.1	22.0

348566 2005 VP_{95} 2 13.3 17°.00 4°.2/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.09	+ 3 1.8	1.206	2.043	18.9	20.8
1 22	10 2.76	+ 2 59.9	1.141	2.045	14.6	20.6
2 1	9 55.51	+ 3 23.0	1.096	2.048	9.7	20.3
2 11	9 46.38	+ 4 8.4	1.074	2.052	5.1	20.0
2 21	9 36.79	+ 5 9.3	1.077	2.056	5.2	20.1
3 2	9 28.32	+ 6 16.7	1.104	2.061	9.8	20.3
3 12	9 22.30	+ 7 20.9	1.155	2.067	14.7	20.6
3 22	9 19.47	+ 8 14.9	1.225	2.073	18.9	20.9

239320 2007 RM_{37} 2 13.3 59°.05 3°.4/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.77	+ 0 22.3	2.068	2.866	13.5	20.0
1 22	9 59.32	+ 0 49.3	1.996	2.877	10.5	19.9
2 1	9 53.14	+ 1 35.1	1.947	2.888	7.1	19.7
2 11	9 45.90	+ 2 36.6	1.926	2.898	4.1	19.5
2 21	9 38.44	+ 3 48.9	1.934	2.909	3.8	19.5
3 2	9 31.64	+ 5 5.7	1.970	2.921	6.7	19.7
3 12	9 26.27	+ 6 20.6	2.033	2.932	10.0	19.9
3 22	9 22.84	+ 7 28.3	2.121	2.943	12.9	20.1

488850 2005 SC_{3} 2 13.3 137°.04 1°.3/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.81	+14 47.4	1.712	2.550	14.1	22.1
1 22	10 6.85	+15 27.8	1.650	2.564	10.2	21.9
2 1	9 57.51	+16 16.1	1.613	2.577	5.7	21.6
2 11	9 46.73	+17 5.8	1.605	2.590	1.5	21.4
2 21	9 35.73	+17 50.0	1.625	2.602	4.4	21.6
3 2	9 25.78	+18 23.6	1.675	2.612	8.8	21.9
3 12	9 17.93	+18 43.7	1.750	2.622	12.7	22.2
3 22	9 12.79	+18 49.8	1.846	2.632	16.0	22.4

217571 2007 UJ_{63} 2 13.3 16°.71 0°.1/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.21	+12 5.0	1.830	2.674	13.1	20.5
1 22	10 0.58	+12 30.7	1.762	2.678	9.5	20.3
2 1	9 53.94	+13 6.4	1.718	2.682	5.4	20.1
2 11	9 46.06	+13 47.3	1.701	2.687	1.0	19.8
2 21	9 37.93	+14 28.0	1.713	2.693	3.5	20.0
3 2	9 30.58	+15 3.2	1.752	2.699	7.7	20.2
3 12	9 24.92	+15 29.3	1.817	2.706	11.5	20.5
3 22	9 21.52	+15 44.1	1.904	2.713	14.7	20.7

342802 2008 WQ_{139} 2 13.3 73°.42 1°.8/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.44	+13 48.0	2.199	3.040	11.3	20.2
1 22	9 59.81	+15 35.0	2.133	3.050	8.0	20.0
2 1	9 53.44	+17 31.7	2.096	3.061	4.4	19.8
2 11	9 45.97	+19 30.4	2.089	3.072	1.8	19.7
2 21	9 38.22	+21 22.6	2.113	3.083	4.3	19.9
3 2	9 31.09	+23 1.4	2.167	3.094	7.8	20.1
3 12	9 25.36	+24 22.2	2.249	3.104	11.0	20.3
3 22	9 21.58	+25 23.4	2.353	3.115	13.6	20.5

62569 2000 SR_{274} 2 13.3 158°.43 2°.9/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.18	+20 3.6	2.067	2.913	11.7	19.8
1 22	10 3.33	+20 50.5	1.999	2.917	8.4	19.6
2 1	9 55.45	+21 40.1	1.956	2.920	5.0	19.4
2 11	9 46.35	+22 26.3	1.943	2.922	2.9	19.3
2 21	9 36.98	+23 3.3	1.959	2.925	5.0	19.4
3 2	9 28.40	+23 27.1	2.003	2.927	8.5	19.6
3 12	9 21.50	+23 36.0	2.073	2.929	11.7	19.8
3 22	9 16.86	+23 30.4	2.165	2.931	14.5	20.0

266788 2009 SN_{264} 2 13.3 33°.90 1°.2/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.25	+15 59.2	2.834	3.673	9.1	20.2
1 22	9 57.88	+16 38.2	2.763	3.678	6.5	20.0
2 1	9 52.20	+17 21.6	2.718	3.683	3.6	19.8
2 11	9 45.73	+18 5.6	2.704	3.688	1.2	19.7
2 21	9 39.08	+18 46.3	2.720	3.694	3.1	19.8
3 2	9 32.92	+19 20.4	2.765	3.699	5.9	20.0
3 12	9 27.85	+19 45.6	2.838	3.705	8.6	20.2
3 22	9 24.26	+20 0.9	2.935	3.711	10.9	20.4

109167 2001 QO_{63} 2 13.3 113°.37 1°.4/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.97	+15 59.5	2.019	2.857	12.3	20.7
1 22	10 4.47	+16 33.1	1.961	2.875	8.8	20.6
2 1	9 56.02	+17 12.1	1.928	2.892	4.9	20.3
2 11	9 46.44	+17 50.9	1.923	2.908	1.5	20.1
2 21	9 36.73	+18 24.5	1.949	2.924	3.9	20.3
3 2	9 27.91	+18 48.7	2.005	2.940	7.7	20.6
3 12	9 20.85	+19 1.6	2.086	2.955	11.1	20.8
3 22	9 16.05	+19 2.8	2.190	2.970	14.0	21.1

152864 1999 XT_{143} 2 13.3 114.°99 1.°0/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 14.75	+13 25.6	1.816	2.646	13.8	21.0
1 22	10 7.28	+14 20.0	1.764	2.675	9.9	20.8
2 1	9 57.62	+15 22.8	1.739	2.702	5.5	20.6
2 11	9 46.74	+16 27.2	1.743	2.729	1.3	20.4
2 21	9 35.78	+17 26.0	1.777	2.754	4.1	20.6
3 2	9 25.92	+18 13.9	1.841	2.777	8.2	20.9
3 12	9 18.09	+18 47.8	1.932	2.800	11.9	21.2
3 22	9 12.83	+19 7.2	2.044	2.822	14.9	21.4

505869 2015 DL_{94} 2 13.3 253.°91 5.°4/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 15.34	+31 56.5	2.517	3.348	10.4	21.4
1 22	10 7.62	+32 24.4	2.435	3.334	8.1	21.2
2 1	9 57.84	+32 44.9	2.380	3.319	6.1	21.1
2 11	9 46.80	+32 52.1	2.354	3.304	5.5	21.0
2 21	9 35.49	+32 42.0	2.358	3.288	6.9	21.1
3 2	9 24.97	+32 13.3	2.390	3.272	9.3	21.2
3 12	9 16.18	+31 27.1	2.449	3.256	11.8	21.3
3 22	9 9.69	+30 26.6	2.530	3.240	14.0	21.5

266370 2007 EE_{78} 2 13.3 188.°26 1.°5/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.18	+15 59.3	2.107	2.948	11.8	21.1
1 22	10 2.58	+16 38.5	2.031	2.947	8.4	20.9
2 1	9 55.04	+17 23.8	1.982	2.947	4.7	20.6
2 11	9 46.28	+18 10.0	1.961	2.946	1.6	20.4
2 21	9 37.22	+18 51.5	1.970	2.945	4.0	20.6
3 2	9 28.86	+19 24.0	2.008	2.943	7.7	20.8
3 12	9 22.08	+19 44.5	2.072	2.941	11.2	21.0
3 22	9 17.45	+19 52.4	2.159	2.939	14.1	21.2

422181 2014 RF_{22} 2 13.3 154.°45 3.°5/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.95	+21 25.8	1.936	2.782	12.4	21.9
1 22	10 5.42	+22 18.4	1.872	2.789	9.0	21.7
2 1	9 56.68	+23 12.6	1.833	2.795	5.4	21.5
2 11	9 46.59	+24 1.1	1.824	2.801	3.5	21.4
2 21	9 36.24	+24 37.9	1.843	2.806	5.7	21.5
3 2	9 26.81	+24 58.8	1.891	2.810	9.2	21.7
3 12	9 19.28	+25 2.8	1.965	2.815	12.6	22.0
3 22	9 14.24	+24 51.0	2.059	2.818	15.4	22.2

91622 1999 TJ_{40} 2 13.3 133.°95 2.°0/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.30	+17 41.4	2.153	2.996	11.5	19.9
1 22	10 2.58	+18 25.1	2.087	3.003	8.2	19.7
2 1	9 54.99	+19 13.1	2.046	3.011	4.7	19.4
2 11	9 46.27	+19 59.9	2.035	3.017	2.0	19.3
2 21	9 37.33	+20 40.2	2.053	3.024	4.3	19.4
3 2	9 29.13	+21 9.8	2.100	3.030	7.8	19.7
3 12	9 22.52	+21 26.5	2.174	3.037	11.0	19.9
3 22	9 18.01	+21 30.1	2.269	3.042	13.7	20.1

300959 2008 DF_{24} 2 13.3 0.°62 1.°3/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.76	+17 40.6	2.300	3.139	11.0	20.4
1 22	10 2.81	+17 44.8	2.224	3.138	7.9	20.2
2 1	9 55.08	+17 51.6	2.174	3.138	4.5	20.0
2 11	9 46.29	+17 57.3	2.153	3.138	1.4	19.7
2 21	9 37.28	+17 58.7	2.163	3.138	3.6	19.9
3 2	9 28.98	+17 53.2	2.202	3.139	7.1	20.1
3 12	9 22.17	+17 39.6	2.268	3.139	10.3	20.3
3 22	9 17.37	+17 17.7	2.357	3.140	13.0	20.5

401467 2013 CZ_{173} 2 13.3 217.°41 0.°9/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.31	+ 7 48.8	1.743	2.572	14.4	21.3
1 22	10 3.06	+ 8 32.3	1.660	2.567	10.7	21.0
2 1	9 55.50	+ 9 32.4	1.601	2.561	6.3	20.8
2 11	9 46.40	+10 44.2	1.570	2.555	1.7	20.4
2 21	9 36.83	+12 0.3	1.567	2.548	3.6	20.5
3 2	9 27.97	+13 13.4	1.593	2.541	8.2	20.8
3 12	9 20.91	+14 16.7	1.645	2.534	12.5	21.0
3 22	9 16.35	+15 6.3	1.719	2.526	16.1	21.3

14890 1991 VG_{3} 2 13.3 92.°91 14.°9/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.15	−27 19.3	1.663	2.292	22.3	18.2
1 22	10 3.80	−28 18.9	1.602	2.311	20.4	18.1
2 1	9 55.92	−28 38.1	1.555	2.329	18.4	17.9
2 11	9 46.47	−28 11.5	1.525	2.348	16.5	17.9
2 21	9 36.68	−26 58.8	1.514	2.366	15.2	17.8
3 2	9 27.89	−25 5.2	1.525	2.383	14.9	17.8
3 12	9 21.24	−22 42.2	1.558	2.401	15.6	17.9
3 22	9 17.38	−20 3.8	1.612	2.418	17.1	18.1

368186 2000 SU_{19} 2 13.3 182.°27 4.°5/17.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.15	− 2 41.4	2.435	3.202	12.6	21.5
1 22	10 1.61	− 2 46.9	2.346	3.203	10.1	21.3
2 1	9 54.42	− 2 35.7	2.282	3.203	7.4	21.2
2 11	9 46.19	− 2 8.4	2.246	3.203	5.1	21.0
2 21	9 37.65	− 1 27.6	2.238	3.202	4.7	21.0
3 2	9 29.63	− 0 37.3	2.260	3.201	6.7	21.1
3 12	9 22.89	+ 0 17.2	2.311	3.199	9.4	21.3
3 22	9 17.94	+ 1 11.2	2.385	3.196	12.0	21.4

161584 2005 GN_{123} 2 13.3 255.°50 3.°8/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 4.72	− 1 39.7	2.717	3.489	11.4	21.0
1 22	9 59.84	− 1 35.7	2.607	3.469	9.1	20.8
2 1	9 53.44	− 1 16.6	2.522	3.448	6.6	20.6
2 11	9 46.01	− 0 43.1	2.465	3.427	4.4	20.4
2 21	9 38.20	+ 0 2.4	2.438	3.405	4.1	20.4
3 2	9 30.72	+ 0 56.3	2.441	3.383	6.1	20.5
3 12	9 24.29	+ 1 53.9	2.472	3.361	8.8	20.6
3 22	9 19.44	+ 2 50.5	2.528	3.338	11.5	20.7

501401 2013 YO_{93} 2 13.3 6.°39 2.°8/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.76	+19 34.0	2.252	3.102	10.7	21.5
1 22	10 0.07	+20 38.9	2.182	3.102	7.7	21.3
2 1	9 53.60	+21 47.7	2.138	3.102	4.6	21.1
2 11	9 46.03	+22 54.0	2.124	3.102	2.8	21.0
2 21	9 38.19	+23 52.1	2.139	3.103	4.9	21.1
3 2	9 30.96	+24 37.1	2.182	3.103	8.1	21.3
3 12	9 25.17	+25 6.7	2.251	3.104	11.1	21.5
3 22	9 21.33	+25 20.5	2.342	3.104	13.7	21.7

142380 2002 SB_{5} 2 13.3 62.°94 4.°4/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.56	+22 20.9	1.493	2.352	14.7	19.7
1 22	10 6.15	+23 11.5	1.449	2.371	10.6	19.5
2 1	9 57.15	+24 2.0	1.429	2.391	6.5	19.3
2 11	9 46.69	+24 43.7	1.435	2.411	4.4	19.2
2 21	9 36.17	+25 9.8	1.468	2.431	6.8	19.4
3 2	9 27.00	+25 16.7	1.528	2.451	10.6	19.6
3 12	9 20.26	+25 4.6	1.611	2.472	14.3	19.9
3 22	9 16.45	+24 36.1	1.713	2.492	17.3	20.2

333696 2008 UG_{315} 2 13.3 179.°74 0.°3/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.41	+10 28.5	2.586	3.407	10.5	21.6
1 22	10 0.99	+10 55.7	2.505	3.409	7.6	21.4
2 1	9 54.03	+11 31.2	2.449	3.409	4.4	21.2
2 11	9 46.11	+12 11.8	2.424	3.410	1.0	20.9
2 21	9 37.96	+12 53.4	2.429	3.409	2.6	21.1
3 2	9 30.32	+13 32.2	2.465	3.409	6.0	21.3
3 12	9 23.91	+14 4.8	2.529	3.408	9.1	21.5
3 22	9 19.21	+14 29.4	2.617	3.406	11.7	21.7

492635 2014 OU_{316} 2 13.3 155.°23 1.°4/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.32	+13 49.7	1.856	2.696	13.1	21.7
1 22	10 3.60	+14 53.2	1.787	2.702	9.4	21.4
2 1	9 55.70	+16 6.5	1.743	2.708	5.3	21.2
2 11	9 46.45	+17 22.8	1.728	2.713	1.5	21.0
2 21	9 36.87	+18 34.5	1.743	2.718	4.3	21.2
3 2	9 28.10	+19 35.1	1.786	2.723	8.5	21.4
3 12	9 21.13	+20 20.6	1.856	2.726	12.2	21.7
3 22	9 16.56	+20 49.6	1.947	2.730	15.4	21.9

131622 2001 XE_{46} 2 13.3 46.°13 5.°3/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.92	+23 9.5	1.148	2.018	17.3	19.3
1 22	10 7.66	+23 57.8	1.109	2.037	12.6	19.1
2 1	9 58.17	+24 44.9	1.092	2.056	7.8	18.9
2 11	9 46.89	+25 20.1	1.100	2.076	5.3	18.8
2 21	9 35.63	+25 35.4	1.132	2.097	8.0	19.0
3 2	9 26.13	+25 27.5	1.189	2.118	12.5	19.3
3 12	9 19.67	+24 58.2	1.267	2.140	16.6	19.7
3 22	9 16.72	+24 11.6	1.363	2.162	20.0	19.9

222312 2000 SU_{347} 2 13.3 153.°43 1.°2/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 14.47	+11 7.7	2.030	2.850	13.0	20.4
1 22	10 7.08	+10 41.7	1.951	2.853	9.6	20.2
2 1	9 57.59	+10 22.7	1.899	2.856	5.7	19.9
2 11	9 46.81	+10 8.4	1.875	2.859	1.7	19.7
2 21	9 35.76	+ 9 56.6	1.882	2.862	3.3	19.8
3 2	9 25.56	+ 9 44.9	1.919	2.864	7.3	20.0
3 12	9 17.14	+ 9 31.2	1.984	2.867	11.0	20.3
3 22	9 11.08	+ 9 14.2	2.072	2.869	14.1	20.5

349851 2009 DA_{2} 2 13.3 189.°92 0.°2/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.91	+12 49.4	2.675	3.502	10.0	21.3
1 22	10 0.60	+13 12.5	2.593	3.501	7.2	21.1
2 1	9 53.81	+13 42.0	2.538	3.500	4.1	20.9
2 11	9 46.09	+14 14.4	2.513	3.499	0.7	20.6
2 21	9 38.15	+14 46.3	2.518	3.497	2.7	20.8
3 2	9 30.71	+15 14.2	2.554	3.495	6.0	21.0
3 12	9 24.46	+15 35.5	2.617	3.493	8.9	21.2
3 22	9 19.87	+15 48.7	2.705	3.490	11.5	21.4

234896 2002 TM_{160} 2 13.3 97.°18 1.°0/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.23	+ 6 24.9	2.258	3.076	11.9	20.2
1 22	9 59.57	+ 7 22.0	2.187	3.087	8.8	20.0
2 1	9 53.28	+ 8 33.0	2.141	3.097	5.2	19.8
2 11	9 46.00	+ 9 53.2	2.124	3.108	1.6	19.6
2 21	9 38.49	+11 16.5	2.137	3.118	2.8	19.7
3 2	9 31.59	+12 36.9	2.181	3.129	6.4	20.0
3 12	9 26.03	+13 49.0	2.253	3.139	9.7	20.2
3 22	9 22.29	+14 49.3	2.348	3.149	12.5	20.4

378947 2008 UZ_{166} 2 13.3 163°.01 0°.6/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 6.22	+ 9 33.0	2.357	3.179	11.3	21.8
1 22	10 0.97	+10 2.4	2.279	3.183	8.3	21.6
2 1	9 54.07	+10 41.8	2.227	3.186	4.8	21.4
2 11	9 46.15	+11 27.4	2.203	3.189	1.2	21.1
2 21	9 37.98	+12 14.9	2.211	3.191	2.8	21.2
3 2	9 30.39	+12 59.7	2.248	3.193	6.4	21.5
3 12	9 24.13	+13 38.0	2.312	3.195	9.6	21.7
3 22	9 19.72	+14 7.5	2.401	3.197	12.4	21.9

288950 2004 SA_{56} 2 13.3 90°.59 0°.6/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.94	+11 52.5	1.557	2.397	15.2	21.1
1 22	10 5.55	+12 42.9	1.508	2.422	10.9	20.9
2 1	9 56.78	+13 44.9	1.483	2.447	6.1	20.7
2 11	9 46.65	+14 51.1	1.485	2.471	1.1	20.4
2 21	9 36.43	+15 53.8	1.516	2.495	4.1	20.7
3 2	9 27.38	+16 46.2	1.575	2.518	8.8	21.0
3 12	9 20.52	+17 24.3	1.659	2.541	12.8	21.3
3 22	9 16.39	+17 47.1	1.764	2.563	16.1	21.5

38981 2000 UW_{3} 2 13.3 239°.34 8°.0/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.38	−15 38.4	2.581	3.269	13.9	18.9
1 22	9 58.92	−16 4.2	2.491	3.268	12.2	18.8
2 1	9 52.93	−16 7.6	2.421	3.266	10.3	18.6
2 11	9 45.95	−15 47.2	2.374	3.265	8.8	18.5
2 21	9 38.67	−15 3.7	2.353	3.263	8.0	18.5
3 2	9 31.84	−14 0.4	2.360	3.261	8.5	18.5
3 12	9 26.18	−12 43.1	2.392	3.260	9.9	18.6
3 22	9 22.18	−11 18.1	2.448	3.258	11.8	18.7

122533 2000 QE_{215} 2 13.3 74°.77 1°.4/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.85	+ 5 21.7	1.800	2.623	14.2	19.7
1 22	10 1.01	+ 6 22.2	1.739	2.640	10.5	19.5
2 1	9 54.19	+ 7 40.5	1.701	2.658	6.4	19.3
2 11	9 46.18	+ 9 10.5	1.692	2.675	2.1	19.0
2 21	9 37.96	+10 44.6	1.711	2.692	3.3	19.1
3 2	9 30.56	+12 14.6	1.760	2.710	7.4	19.4
3 12	9 24.87	+13 34.0	1.835	2.727	11.2	19.7
3 22	9 21.42	+14 38.7	1.933	2.744	14.4	19.9

466431 2013 TS_{47} 2 13.3 239°.86 6°.0/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.39	− 6 47.6	2.219	2.974	14.1	21.7
1 22	10 0.60	− 6 49.4	2.122	2.963	11.7	21.5
2 1	9 53.99	− 6 29.3	2.046	2.953	9.0	21.3
2 11	9 46.17	− 5 47.4	1.996	2.941	6.7	21.1
2 21	9 37.92	− 4 46.1	1.974	2.930	6.0	21.1
3 2	9 30.16	− 3 30.3	1.981	2.918	7.7	21.2
3 12	9 23.72	− 2 6.9	2.014	2.906	10.4	21.3
3 22	9 19.22	− 0 42.9	2.072	2.894	13.2	21.5

474709 2005 GF_{170} 2 13.3 324°.58 4°.9/18.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.99	− 5 13.4	2.684	3.444	11.8	20.6
1 22	9 57.16	− 5 19.0	2.583	3.430	9.7	20.5
2 1	9 51.92	− 5 7.7	2.506	3.416	7.4	20.3
2 11	9 45.76	− 4 39.8	2.455	3.402	5.5	20.2
2 21	9 39.30	− 3 57.3	2.432	3.389	5.0	20.1
3 2	9 33.22	− 3 3.6	2.438	3.376	6.4	20.2
3 12	9 28.16	− 2 3.5	2.471	3.364	8.7	20.3
3 22	9 24.61	− 1 2.1	2.529	3.352	11.1	20.4

110530 2001 TA_{87} 2 13.3 346°.62 1°.9/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.99	+ 8 12.1	1.473	2.314	15.8	18.7
1 22	10 2.39	+ 8 12.3	1.397	2.309	11.9	18.5
2 1	9 55.24	+ 8 27.9	1.344	2.304	7.2	18.2
2 11	9 46.42	+ 8 55.5	1.316	2.299	2.6	17.9
2 21	9 37.14	+ 9 29.9	1.314	2.296	4.0	18.0
3 2	9 28.75	+10 4.7	1.339	2.293	8.8	18.2
3 12	9 22.43	+10 34.5	1.388	2.290	13.4	18.5
3 22	9 18.89	+10 55.1	1.457	2.289	17.3	18.7

400331 2007 UA_{18} 2 13.3 55°.78 2°.0/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.55	+13 55.4	1.330	2.188	16.2	20.2
1 22	10 3.47	+15 12.3	1.285	2.209	11.5	20.0
2 1	9 55.74	+16 40.8	1.263	2.231	6.4	19.7
2 11	9 46.49	+18 10.8	1.268	2.253	2.0	19.5
2 21	9 37.09	+19 31.8	1.299	2.275	5.4	19.8
3 2	9 28.96	+20 35.8	1.357	2.297	10.2	20.1
3 12	9 23.21	+21 18.7	1.438	2.320	14.4	20.4
3 22	9 20.38	+21 40.6	1.538	2.342	17.8	20.7

383019 2005 NR_{9} 2 13.3 240°.61 1°.4/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.27	+15 0.8	2.708	3.543	9.6	21.6
1 22	9 59.55	+16 8.3	2.617	3.531	6.9	21.4
2 1	9 53.30	+17 23.2	2.554	3.519	3.9	21.2
2 11	9 46.04	+18 40.4	2.522	3.506	1.4	21.0
2 21	9 38.44	+19 54.5	2.520	3.493	3.5	21.2
3 2	9 31.24	+21 0.7	2.550	3.479	6.6	21.3
3 12	9 25.15	+21 55.2	2.607	3.465	9.6	21.5
3 22	9 20.68	+22 36.5	2.687	3.451	12.1	21.7

293439 2007 EL_{157} 2 13.3 276°.52 2°.2/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 5.83	+15 27.1	1.856	2.705	12.7	20.1
1 22	10 1.22	+16 46.6	1.780	2.700	9.1	19.8
2 1	9 54.46	+18 16.2	1.729	2.695	5.1	19.6
2 11	9 46.29	+19 48.1	1.707	2.691	2.2	19.4
2 21	9 37.69	+21 13.9	1.714	2.686	4.9	19.5
3 2	9 29.78	+22 26.4	1.750	2.681	9.0	19.8
3 12	9 23.56	+23 20.9	1.810	2.676	12.7	20.0
3 22	9 19.68	+23 56.1	1.891	2.671	15.9	20.2

358545 2007 TU_{126} 2 13.3 195°.05 1°.3/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.87	+14 53.1	2.000	2.836	12.5	22.3
1 22	10 4.68	+15 36.1	1.921	2.834	9.0	22.1
2 1	9 56.35	+16 26.9	1.867	2.831	5.1	21.8
2 11	9 46.64	+17 19.7	1.842	2.827	1.4	21.6
2 21	9 36.55	+18 8.5	1.847	2.823	4.0	21.8
3 2	9 27.18	+18 48.1	1.882	2.818	8.1	22.0
3 12	9 19.51	+19 15.1	1.943	2.812	11.8	22.2
3 22	9 14.19	+19 28.6	2.026	2.806	15.0	22.4

351665 2006 AA_{12} 2 13.3 90°.16 1°.7/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.20	+ 8 14.4	1.434	2.269	16.6	21.2
1 22	10 6.01	+ 8 21.8	1.375	2.283	12.3	21.0
2 1	9 57.19	+ 8 44.8	1.338	2.297	7.4	20.8
2 11	9 46.79	+ 9 19.1	1.326	2.310	2.5	20.5
2 21	9 36.15	+ 9 58.3	1.343	2.324	4.0	20.6
3 2	9 26.68	+10 36.1	1.386	2.337	8.9	21.0
3 12	9 19.53	+11 7.1	1.454	2.350	13.3	21.2
3 22	9 15.31	+11 28.1	1.543	2.363	17.0	21.5

60656 2000 FF_{47} 2 13.3 178°.35 1°.3/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.15	+ 5 27.4	1.940	2.758	13.5	18.9
1 22	10 1.28	+ 6 25.8	1.859	2.759	10.1	18.7
2 1	9 54.42	+ 7 42.0	1.804	2.760	6.1	18.5
2 11	9 46.28	+ 9 10.9	1.777	2.760	2.1	18.2
2 21	9 37.77	+10 45.3	1.779	2.760	3.2	18.3
3 2	9 29.91	+12 17.5	1.811	2.760	7.3	18.5
3 12	9 23.62	+13 40.5	1.870	2.759	11.2	18.8
3 22	9 19.51	+14 49.9	1.953	2.759	14.5	19.0

275485 5074 T_{-2} 2 13.3 59°.07 4°.3/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.17	+ 1 28.3	1.639	2.445	16.2	20.5
1 22	10 4.12	+ 1 14.1	1.589	2.474	12.5	20.3
2 1	9 55.92	+ 1 19.6	1.561	2.502	8.5	20.1
2 11	9 46.53	+ 1 42.4	1.560	2.531	5.0	20.0
2 21	9 37.08	+ 2 18.3	1.586	2.560	4.8	20.1
3 2	9 28.71	+ 3 1.2	1.640	2.589	7.9	20.3
3 12	9 22.32	+ 3 44.9	1.719	2.617	11.5	20.6
3 22	9 18.42	+ 4 24.3	1.821	2.646	14.6	20.8

498801 2008 UY_{260} 2 13.3 184°.19 1°.9/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.49	+ 5 18.9	2.236	3.048	12.2	22.0
1 22	10 0.56	+ 5 41.6	2.153	3.048	9.2	21.8
2 1	9 53.91	+ 6 18.0	2.096	3.048	5.8	21.6
2 11	9 46.17	+ 7 5.1	2.067	3.047	2.5	21.4
2 21	9 38.14	+ 7 58.5	2.067	3.047	3.0	21.4
3 2	9 30.69	+ 8 53.2	2.097	3.046	6.5	21.6
3 12	9 24.59	+ 9 44.3	2.154	3.045	9.8	21.8
3 22	9 20.38	+10 28.1	2.235	3.045	12.8	22.0

170112 2002 XK_{102} 2 13.3 68°.15 3°.6/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.39	+ 1 10.2	2.221	3.016	12.8	20.3
1 22	10 0.46	+ 1 6.4	2.142	3.021	10.0	20.1
2 1	9 53.83	+ 1 18.0	2.087	3.025	6.9	19.9
2 11	9 46.15	+ 1 43.7	2.060	3.030	4.2	19.8
2 21	9 38.22	+ 2 20.2	2.061	3.034	4.0	19.7
3 2	9 30.88	+ 3 3.3	2.091	3.039	6.6	19.9
3 12	9 24.91	+ 3 47.9	2.148	3.043	9.7	20.1
3 22	9 20.82	+ 4 29.7	2.229	3.048	12.5	20.3

72240 2001 AL_{21} 2 13.3 86°.75 0°.7/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.25	+13 48.1	1.546	2.392	15.0	19.4
1 22	10 5.28	+14 11.4	1.482	2.399	10.8	19.1
2 1	9 56.78	+14 44.2	1.442	2.407	6.1	18.9
2 11	9 46.73	+15 20.4	1.429	2.415	1.2	18.6
2 21	9 36.40	+15 53.8	1.443	2.422	4.2	18.8
3 2	9 27.13	+16 18.9	1.485	2.430	9.0	19.1
3 12	9 20.06	+16 32.4	1.551	2.437	13.3	19.4
3 22	9 15.79	+16 33.4	1.639	2.445	16.8	19.6

468752 2011 CY_{94} 2 13.3 244°.77 0°.8/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.44	+ 7 34.5	2.130	2.953	12.3	21.3
1 22	10 0.71	+ 8 24.8	2.040	2.943	9.1	21.1
2 1	9 54.09	+ 9 29.7	1.974	2.932	5.4	20.9
2 11	9 46.23	+10 44.9	1.937	2.922	1.5	20.6
2 21	9 37.95	+12 4.2	1.930	2.911	3.0	20.7
3 2	9 30.19	+13 21.2	1.953	2.900	7.1	20.9
3 12	9 23.84	+14 30.1	2.003	2.888	10.8	21.1
3 22	9 19.49	+15 27.0	2.076	2.876	13.9	21.3

421197 2013 RR_{83} 2 13.3 128°.31 1°.7/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 7.54	+ 6 43.1	2.177	2.992	12.4	21.1
1 22	10 2.01	+ 6 54.9	2.103	3.000	9.3	20.9
2 1	9 54.70	+ 7 18.8	2.054	3.008	5.7	20.7
2 11	9 46.33	+ 7 51.9	2.034	3.016	2.3	20.5
2 21	9 37.72	+ 8 30.1	2.043	3.023	3.0	20.6
3 2	9 29.78	+ 9 8.9	2.082	3.030	6.6	20.8
3 12	9 23.31	+ 9 44.2	2.148	3.037	9.9	21.0
3 22	9 18.82	+10 12.8	2.237	3.044	12.9	21.2

345673 2006 UT_{56} 2 13.3 229°.15 2°.0/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.61	+ 6 29.0	2.379	3.190	11.6	20.9
1 22	10 1.27	+ 6 25.7	2.294	3.188	8.7	20.7
2 1	9 54.28	+ 6 33.0	2.235	3.186	5.5	20.5
2 11	9 46.25	+ 6 49.0	2.204	3.184	2.5	20.3
2 21	9 37.95	+ 7 10.8	2.203	3.182	3.0	20.3
3 2	9 30.20	+ 7 34.8	2.232	3.180	6.2	20.5
3 12	9 23.76	+ 7 57.5	2.288	3.178	9.4	20.7
3 22	9 19.13	+ 8 16.2	2.368	3.175	12.2	20.9

34906 3116 *P–L* 2 13.3 202°.17 3°.7/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.18	− 1 7.6	2.836	3.607	10.9	19.9
1 22	10 0.05	− 1 17.7	2.744	3.604	8.7	19.8
2 1	9 53.52	− 1 14.5	2.676	3.601	6.3	19.6
2 11	9 46.11	− 0 58.8	2.637	3.597	4.2	19.5
2 21	9 38.44	− 0 32.5	2.627	3.593	4.0	19.4
3 2	9 31.19	+ 0 1.5	2.648	3.588	5.8	19.5
3 12	9 24.99	+ 0 39.2	2.696	3.584	8.2	19.7
3 22	9 20.30	+ 1 17.0	2.770	3.579	10.6	19.9

24790 1993 TM_{31} 2 13.3 63°.63 0°.8/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.25	+13 21.9	2.011	2.851	12.2	18.7
1 22	10 1.27	+14 2.2	1.940	2.855	8.8	18.5
2 1	9 54.36	+14 51.3	1.894	2.858	4.9	18.3
2 11	9 46.28	+15 43.9	1.876	2.862	1.0	18.0
2 21	9 37.92	+16 34.2	1.887	2.865	3.6	18.2
3 2	9 30.27	+17 17.2	1.928	2.869	7.5	18.5
3 12	9 24.20	+17 49.3	1.994	2.873	11.1	18.7
3 22	9 20.25	+18 8.8	2.082	2.877	14.1	18.9

500558 2012 UE_{51} 2 13.3 194°.97 4°.0/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.19	− 2 10.9	2.623	3.395	11.7	21.5
1 22	9 59.43	− 2 8.3	2.533	3.393	9.4	21.3
2 1	9 53.20	− 1 49.9	2.468	3.392	6.8	21.1
2 11	9 46.05	− 1 17.0	2.430	3.390	4.6	21.0
2 21	9 38.64	− 0 32.0	2.422	3.388	4.2	20.9
3 2	9 31.68	+ 0 21.0	2.443	3.386	6.1	21.1
3 12	9 25.84	+ 1 17.3	2.492	3.384	8.7	21.2
3 22	9 21.61	+ 2 12.4	2.566	3.381	11.2	21.4

352118 2007 EK_{56} 2 13.3 179°.95 0°.4/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.80	+11 12.6	1.842	2.673	13.6	21.6
1 22	10 4.75	+12 6.1	1.765	2.676	9.9	21.4
2 1	9 56.45	+13 12.2	1.714	2.677	5.6	21.2
2 11	9 46.70	+14 24.7	1.691	2.677	1.0	20.8
2 21	9 36.54	+15 36.3	1.698	2.677	3.8	21.0
3 2	9 27.15	+16 40.1	1.734	2.676	8.3	21.3
3 12	9 19.58	+17 31.2	1.797	2.674	12.2	21.5
3 22	9 14.47	+18 7.3	1.881	2.671	15.6	21.8

262961 2007 DT_{90} 2 13.3 83°.83 1°.3/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.74	+15 1.5	1.809	2.654	13.2	20.9
1 22	10 3.21	+15 36.9	1.742	2.660	9.5	20.7
2 1	9 55.52	+16 19.8	1.701	2.666	5.3	20.4
2 11	9 46.50	+17 4.5	1.687	2.673	1.4	20.2
2 21	9 37.23	+17 44.9	1.702	2.679	4.1	20.4
3 2	9 28.82	+18 16.1	1.745	2.685	8.3	20.6
3 12	9 22.25	+18 34.9	1.814	2.692	12.1	20.9
3 22	9 18.09	+18 40.6	1.904	2.698	15.3	21.1

225554 2000 SP_{304} 2 13.3 206°.04 5°.2/18.1 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.49	− 4 39.3	2.342	3.103	13.3	20.7
1 22	10 1.28	− 4 43.2	2.249	3.099	10.8	20.5
2 1	9 54.35	− 4 28.0	2.179	3.094	8.1	20.3
2 11	9 46.29	− 3 54.3	2.136	3.088	5.8	20.2
2 21	9 37.87	− 3 4.6	2.122	3.082	5.3	20.1
3 2	9 29.95	− 2 3.2	2.136	3.075	7.1	20.2
3 12	9 23.32	− 0 56.0	2.178	3.068	9.8	20.4
3 22	9 18.54	+ 0 11.1	2.245	3.061	12.5	20.5

64444 2001 VO_{26} 2 13.3 13°.79 0°.7/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.02	+13 16.7	1.725	2.570	13.7	19.3
1 22	10 2.83	+13 47.6	1.654	2.570	10.0	19.1
2 1	9 55.37	+14 28.3	1.606	2.571	5.6	18.8
2 11	9 46.49	+15 13.3	1.586	2.572	1.1	18.5
2 21	9 37.26	+15 56.4	1.594	2.573	3.9	18.7
3 2	9 28.88	+16 32.0	1.630	2.574	8.4	19.0
3 12	9 22.37	+16 56.3	1.690	2.575	12.4	19.2
3 22	9 18.34	+17 7.7	1.772	2.576	15.8	19.5

457646 2009 BD_{190} 2 13.3 50°.93 0°.0/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 9.16	+10 29.4	1.241	2.095	17.4	21.2
1 22	10 4.03	+11 11.7	1.194	2.114	12.6	21.0
2 1	9 56.13	+12 10.1	1.168	2.134	7.2	20.7
2 11	9 46.62	+13 16.6	1.168	2.154	1.4	20.4
2 21	9 36.95	+14 21.9	1.193	2.174	4.4	20.7
3 2	9 28.62	+15 17.7	1.244	2.195	9.7	21.0
3 12	9 22.78	+15 58.6	1.319	2.216	14.3	21.3
3 22	9 20.00	+16 22.5	1.413	2.237	18.1	21.6

23447 1987 *VG* 2 13.3 103°.49 1°.4/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.62	+15 33.5	1.787	2.627	13.6	18.7
1 22	10 5.89	+16 4.9	1.731	2.646	9.7	18.5
2 1	9 56.96	+16 42.5	1.701	2.665	5.4	18.3
2 11	9 46.77	+17 20.4	1.699	2.684	1.5	18.1
2 21	9 36.46	+17 52.9	1.726	2.702	4.2	18.3
3 2	9 27.20	+18 15.6	1.782	2.720	8.3	18.6
3 12	9 19.94	+18 26.3	1.863	2.737	12.0	18.9
3 22	9 15.21	+18 24.8	1.966	2.753	15.1	19.1

110665 2001 TD_{187} 2 13.3 342°.10 8°.8/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.48	+32 44.3	1.493	2.353	14.6	18.6
1 22	10 5.97	+33 59.6	1.434	2.346	11.6	18.4
2 1	9 57.40	+35 5.8	1.399	2.339	9.3	18.3
2 11	9 46.89	+35 51.5	1.388	2.334	9.0	18.3
2 21	9 35.98	+36 8.5	1.402	2.329	11.0	18.4
3 2	9 26.35	+35 53.8	1.440	2.324	14.1	18.5
3 12	9 19.34	+35 9.9	1.499	2.321	17.2	18.7
3 22	9 15.65	+34 2.6	1.575	2.317	20.0	18.9

206760 2004 CU_{11} 2 13.3 315°.36 0°.3/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.33	+10 7.0	2.066	2.900	12.2	20.5
1 22	9 59.91	+10 45.1	1.982	2.892	9.0	20.3
2 1	9 53.64	+11 35.0	1.923	2.885	5.2	20.1
2 11	9 46.17	+12 32.3	1.893	2.878	1.1	19.7
2 21	9 38.33	+13 31.4	1.891	2.872	3.1	19.9
3 2	9 31.08	+14 26.8	1.918	2.865	7.2	20.1
3 12	9 25.28	+15 13.6	1.972	2.859	10.8	20.3
3 22	9 21.51	+15 49.0	2.048	2.852	14.0	20.5

15486 1999 CP_{62} 2 13.3 57°.20 0°.9/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.65	+ 5 43.8	1.528	2.362	15.8	17.5
1 22	10 1.18	+ 7 4.7	1.471	2.380	11.6	17.3
2 1	9 54.43	+ 8 46.3	1.438	2.398	6.8	17.1
2 11	9 46.31	+10 40.8	1.431	2.416	1.9	16.8
2 21	9 37.95	+12 37.5	1.453	2.434	3.7	17.0
3 2	9 30.55	+14 26.2	1.503	2.453	8.4	17.3
3 12	9 25.11	+15 58.7	1.578	2.471	12.7	17.6
3 22	9 22.22	+17 11.2	1.675	2.490	16.1	17.9

170787 2004 CM_{116} 2 13.3 267°.28 1°.2/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.66	+15 35.0	2.268	3.108	11.1	20.2
1 22	10 1.47	+16 5.4	2.184	3.099	8.0	20.0
2 1	9 54.48	+16 41.6	2.126	3.090	4.5	19.8
2 11	9 46.32	+17 19.4	2.096	3.081	1.3	19.5
2 21	9 37.84	+17 53.9	2.096	3.072	3.6	19.7
3 2	9 29.94	+18 21.1	2.126	3.063	7.2	19.9
3 12	9 23.44	+18 38.3	2.182	3.054	10.6	20.1
3 22	9 18.91	+18 44.4	2.261	3.045	13.4	20.3

296105 2009 BE_{44} 2 13.3 218°.05 0°.2/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.19	+12 23.3	2.660	3.482	10.2	21.2
1 22	10 2.29	+12 26.2	2.572	3.476	7.4	21.0
2 1	9 54.82	+12 34.8	2.510	3.470	4.3	20.8
2 11	9 46.38	+12 46.5	2.479	3.464	0.9	20.5
2 21	9 37.68	+12 58.5	2.478	3.458	2.6	20.6
3 2	9 29.50	+13 8.1	2.508	3.451	5.9	20.9
3 12	9 22.54	+13 13.0	2.567	3.444	9.0	21.0
3 22	9 17.30	+13 11.9	2.649	3.437	11.6	21.2

442371 2011 SS_{272} 2 13.3 76°.89 2°.2/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.65	+15 59.1	1.431	2.284	15.5	20.9
1 22	10 5.60	+16 55.3	1.383	2.304	11.1	20.7
2 1	9 56.94	+17 59.4	1.358	2.325	6.2	20.5
2 11	9 46.78	+19 2.9	1.360	2.345	2.3	20.3
2 21	9 36.48	+19 57.1	1.390	2.365	5.3	20.5
3 2	9 27.46	+20 36.1	1.447	2.384	9.9	20.8
3 12	9 20.81	+20 57.3	1.527	2.404	14.0	21.1
3 22	9 17.09	+21 1.0	1.627	2.423	17.4	21.4

397900 2008 UD_{270} 2 13.3 157°.04 0°.2/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.93	+10 13.0	1.716	2.548	14.4	21.9
1 22	10 4.91	+10 51.9	1.645	2.555	10.5	21.7
2 1	9 56.56	+11 44.1	1.599	2.560	6.1	21.4
2 11	9 46.73	+12 43.8	1.580	2.566	1.2	21.1
2 21	9 36.56	+13 44.3	1.590	2.570	3.7	21.3
3 2	9 27.27	+14 38.8	1.629	2.574	8.3	21.6
3 12	9 19.92	+15 22.4	1.693	2.577	12.4	21.8
3 22	9 15.16	+15 52.6	1.779	2.580	15.9	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
371718 2007 ED_{69}			2 13.3 333°.68		4°.4/10.3 18	
	h m	° ′			°	m
1 12	10 10.95	+23 49.9	1.773	2.627	13.0	21.0
1 22	10 4.99	+24 31.8	1.706	2.625	9.5	20.8
2 1	9 56.62	+25 13.0	1.663	2.623	6.1	20.6
2 11	9 46.74	+25 46.2	1.647	2.621	4.4	20.5
2 21	9 36.55	+26 5.1	1.659	2.619	6.5	20.6
3 2	9 27.32	+26 6.3	1.699	2.617	10.1	20.8
3 12	9 20.14	+25 49.4	1.762	2.616	13.6	21.0
3 22	9 15.63	+25 16.5	1.846	2.615	16.6	21.2
161122 2002 RH_{21}			2 13.3 55°.94		3°.5/17.0 18	
1 12	10 4.67	− 1 53.0	1.897	2.689	14.8	19.3
1 22	10 0.04	− 0 52.3	1.839	2.716	11.5	19.1
2 1	9 53.61	+ 0 31.1	1.806	2.743	7.8	18.9
2 11	9 46.15	+ 2 12.3	1.799	2.771	4.4	18.8
2 21	9 38.56	+ 4 4.1	1.822	2.798	3.9	18.8
3 2	9 31.78	+ 5 57.5	1.874	2.826	6.9	19.0
3 12	9 26.59	+ 7 44.4	1.954	2.853	10.3	19.3
3 22	9 23.45	+ 9 18.8	2.059	2.881	13.3	19.5
368702 2005 SA_{200}			2 13.3 145°.04		4°.2/16.9 18	
1 12	10 5.71	− 1 2.3	1.886	2.680	14.8	21.7
1 22	10 1.00	− 0 44.8	1.805	2.682	11.7	21.5
2 1	9 54.30	− 0 5.8	1.748	2.683	8.2	21.3
2 11	9 46.31	+ 0 52.6	1.716	2.685	5.0	21.1
2 21	9 37.96	+ 2 5.5	1.712	2.686	4.6	21.1
3 2	9 30.29	+ 3 26.2	1.737	2.687	7.5	21.3
3 12	9 24.20	+ 4 47.1	1.789	2.689	11.0	21.5
3 22	9 20.32	+ 6 1.7	1.864	2.690	14.3	21.7
215160 2000 AY_{102}			2 13.3 83°.30		1°.2/12.4 18	
1 12	10 9.86	+13 23.4	1.601	2.447	14.6	19.3
1 22	10 4.11	+14 22.3	1.549	2.467	10.4	19.1
2 1	9 56.05	+15 31.6	1.522	2.487	5.8	18.9
2 11	9 46.62	+16 43.5	1.522	2.507	1.4	18.6
2 21	9 37.04	+17 49.8	1.550	2.527	4.4	18.9
3 2	9 28.53	+18 44.1	1.606	2.546	8.9	19.2
3 12	9 22.09	+19 22.6	1.687	2.566	12.8	19.4
3 22	9 18.28	+19 44.4	1.789	2.584	16.0	19.7
381634 2008 YL_{45}			2 13.3 23°.15		1°.7/11.9 18	
1 12	10 5.92	+16 5.3	1.899	2.748	12.5	21.2
1 22	10 1.12	+16 46.9	1.833	2.753	8.9	21.0
2 1	9 54.33	+17 35.2	1.792	2.757	5.0	20.8
2 11	9 46.31	+18 24.2	1.778	2.762	1.7	20.6
2 21	9 38.03	+19 8.0	1.793	2.768	4.3	20.8
3 2	9 30.54	+19 41.7	1.836	2.774	8.2	21.0
3 12	9 24.73	+20 2.4	1.904	2.780	11.7	21.2
3 22	9 21.15	+20 9.3	1.994	2.786	14.7	21.4
423941 2006 TH_{126}			2 13.3 192°.07		3°.5/16.8 17	
1 12	10 4.29	− 0 3.0	2.572	3.355	11.6	21.6
1 22	9 59.53	+ 0 1.2	2.484	3.355	9.1	21.4
2 1	9 53.28	+ 0 20.0	2.421	3.354	6.4	21.2
2 11	9 46.10	+ 0 52.1	2.386	3.353	4.0	21.1
2 21	9 38.66	+ 1 34.6	2.380	3.352	3.8	21.1
3 2	9 31.70	+ 2 23.6	2.404	3.350	6.0	21.2
3 12	9 25.88	+ 3 14.5	2.456	3.349	8.7	21.4
3 22	9 21.69	+ 4 3.1	2.533	3.347	11.3	21.5
426299 2012 TF_{128}			2 13.3 357°.46		0°.3/13.1 18	
1 12	10 4.08	+11 28.7	1.997	2.836	12.3	20.4
1 22	9 59.76	+12 13.7	1.921	2.835	9.0	20.2
2 1	9 53.56	+13 9.8	1.870	2.834	5.1	19.9
2 11	9 46.17	+14 11.7	1.847	2.833	0.9	19.6
2 21	9 38.47	+15 13.5	1.854	2.833	3.4	19.8
3 2	9 31.41	+16 9.3	1.888	2.833	7.4	20.1
3 12	9 25.87	+16 54.6	1.949	2.833	11.1	20.3
3 22	9 22.40	+17 27.0	2.032	2.834	14.2	20.5
44988 1999 VR_{172}			2 13.3 48°.65		1°.5/12.3 18	
1 12	10 9.61	+15 14.7	1.575	2.426	14.5	19.5
1 22	10 4.16	+15 52.4	1.508	2.428	10.5	19.3
2 1	9 56.21	+16 38.7	1.464	2.430	5.9	19.0
2 11	9 46.68	+17 27.1	1.447	2.432	1.7	18.7
2 21	9 36.80	+18 10.4	1.458	2.435	4.7	19.0
3 2	9 27.90	+18 42.7	1.496	2.437	9.3	19.2
3 12	9 21.09	+19 0.7	1.558	2.440	13.5	19.5
3 22	9 17.04	+19 3.7	1.641	2.442	17.0	19.7
31747 1999 JD_{83}			2 13.3 315°.93		0°.7/13.9 18	
1 12	10 3.25	+ 8 21.9	1.982	2.814	12.7	18.6
1 22	9 59.27	+ 9 6.2	1.890	2.799	9.4	18.3
2 1	9 53.36	+10 5.4	1.824	2.784	5.6	18.1
2 11	9 46.15	+11 14.9	1.785	2.770	1.5	17.8
2 21	9 38.49	+12 28.7	1.775	2.756	3.2	17.9
3 2	9 31.37	+13 40.2	1.793	2.742	7.4	18.1
3 12	9 25.71	+14 43.2	1.838	2.729	11.3	18.3
3 22	9 22.13	+15 34.0	1.905	2.716	14.6	18.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
234990 2003 BX_{9}			2 13.3 60°.59		3°.9/15.7 18	
	h m	° ′			°	m
1 12	10 9.75	+ 3 11.0	1.262	2.092	18.6	19.9
1 22	10 4.50	+ 3 14.0	1.205	2.106	14.3	19.6
2 1	9 56.47	+ 3 40.8	1.169	2.121	9.3	19.4
2 11	9 46.73	+ 4 27.8	1.157	2.135	4.7	19.2
2 21	9 36.71	+ 5 28.0	1.171	2.150	4.9	19.2
3 2	9 27.93	+ 6 32.5	1.211	2.165	9.4	19.5
3 12	9 21.59	+ 7 32.8	1.274	2.181	14.0	19.8
3 22	9 18.33	+ 8 22.7	1.357	2.196	17.9	20.1
504827 2010 KZ_{117}			2 13.3 291°.57		5°.7/14.9 17	
1 12	10 25.33	+ 3 2.9	1.799	2.578	16.0	23.3
1 22	10 16.35	+ 1 44.6	1.658	2.528	12.9	23.0
2 1	10 3.82	+ 0 33.3	1.542	2.476	9.3	22.6
2 11	9 48.30	− 0 28.5	1.456	2.422	6.1	22.3
2 21	9 30.96	− 1 18.7	1.402	2.367	6.7	22.2
3 2	9 13.49	− 1 56.4	1.379	2.310	10.9	22.3
3 12	8 57.73	− 2 23.2	1.386	2.252	15.9	22.4
3 22	8 45.07	− 2 42.8	1.416	2.192	20.4	22.6
54051 2000 GL_{126}			2 13.3 354°.22		9°.0/20.5 18	
1 12	10 4.19	−10 26.3	1.586	2.346	18.6	17.5
1 22	10 0.29	−10 50.7	1.506	2.343	15.8	17.3
2 1	9 54.06	−10 44.0	1.445	2.341	12.8	17.1
2 11	9 46.30	−10 4.2	1.406	2.340	10.1	16.9
2 21	9 38.05	− 8 53.6	1.392	2.339	9.0	16.9
3 2	9 30.55	− 7 19.0	1.402	2.339	10.3	16.9
3 12	9 24.89	− 5 31.0	1.437	2.339	13.1	17.1
3 22	9 21.78	− 3 40.5	1.494	2.339	16.2	17.3
427590 2003 SW_{75}			2 13.3 100°.48		2°.3/11.3 18	
1 12	10 10.47	+19 40.5	2.362	3.200	10.7	22.0
1 22	10 3.91	+20 18.4	2.311	3.225	7.7	21.8
2 1	9 55.69	+20 57.6	2.287	3.249	4.4	21.6
2 11	9 46.55	+21 33.3	2.292	3.273	2.3	21.5
2 21	9 37.36	+22 1.0	2.329	3.296	4.2	21.7
3 2	9 28.98	+22 18.0	2.395	3.319	7.3	21.9
3 12	9 22.16	+22 23.0	2.487	3.341	10.1	22.1
3 22	9 17.32	+22 16.5	2.603	3.363	12.5	22.4
138542 2000 PK_{25}			2 13.3 255°.74		0°.5/12.9 17	
1 12	10 5.83	+13 13.2	2.607	3.437	10.1	20.9
1 22	10 0.74	+13 45.2	2.510	3.419	7.3	20.7
2 1	9 54.04	+14 24.5	2.439	3.402	4.2	20.5
2 11	9 46.27	+15 7.3	2.398	3.384	0.8	20.2
2 21	9 38.15	+15 49.3	2.388	3.366	2.9	20.3
3 2	9 30.45	+16 26.7	2.408	3.347	6.4	20.5
3 12	9 23.91	+16 56.4	2.455	3.328	9.5	20.7
3 22	9 19.08	+17 16.4	2.526	3.309	12.2	20.8
35601 1998 HJ_{122}			2 13.3 275°.06		2°.0/11.5 18	
1 12	10 5.78	+14 52.0	1.969	2.814	12.2	19.4
1 22	10 1.21	+16 10.3	1.880	2.798	8.8	19.1
2 1	9 54.52	+17 39.8	1.816	2.782	5.0	18.8
2 11	9 46.39	+19 13.4	1.782	2.766	2.0	18.6
2 21	9 37.73	+20 42.9	1.777	2.749	4.7	18.7
3 2	9 29.61	+22 0.8	1.801	2.733	8.7	19.0
3 12	9 23.05	+23 2.1	1.851	2.716	12.5	19.2
3 22	9 18.74	+23 44.7	1.922	2.699	15.7	19.3
225616 2000 YB_{143}			2 13.3 35°.34		0°.9/12.8 18	
1 12	10 10.52	+15 18.7	1.498	2.349	15.1	19.6
1 22	10 4.70	+15 23.9	1.444	2.364	10.8	19.3
2 1	9 56.41	+15 36.0	1.413	2.379	6.1	19.1
2 11	9 46.71	+15 49.7	1.409	2.395	1.3	18.8
2 21	9 36.89	+15 59.9	1.433	2.412	4.2	19.1
3 2	9 28.26	+16 2.7	1.483	2.429	8.9	19.4
3 12	9 21.86	+15 55.9	1.557	2.447	13.0	19.7
3 22	9 18.22	+15 39.1	1.653	2.465	16.4	19.9
268081 2004 RV_{135}			2 13.3 75°.01		1°.4/12.2 18	
1 12	10 8.35	+15 24.8	1.840	2.685	13.0	21.3
1 22	10 2.91	+16 2.8	1.775	2.693	9.3	21.1
2 1	9 55.35	+16 48.0	1.735	2.701	5.2	20.9
2 11	9 46.52	+17 34.3	1.723	2.709	1.5	20.6
2 21	9 37.44	+18 15.9	1.740	2.716	4.2	20.8
3 2	9 29.23	+18 47.8	1.785	2.724	8.2	21.1
3 12	9 22.81	+19 7.0	1.856	2.732	11.9	21.3
3 22	9 18.75	+19 12.9	1.948	2.740	15.0	21.6
60626 2000 FU_{21}			2 13.3 152°.91		2°.4/11.3 18	
1 12	10 11.92	+16 52.0	1.885	2.726	12.9	19.4
1 22	10 5.50	+18 1.6	1.820	2.736	9.2	19.2
2 1	9 56.85	+19 17.9	1.782	2.746	5.3	19.0
2 11	9 46.81	+20 33.2	1.772	2.754	2.4	18.8
2 21	9 36.48	+21 39.8	1.792	2.762	5.0	19.0
3 2	9 27.03	+22 32.0	1.842	2.769	8.9	19.2
3 12	9 19.44	+23 6.9	1.917	2.775	12.5	19.5
3 22	9 14.34	+23 24.5	2.013	2.780	15.5	19.7

465995 2011 EQ_{77} 2 13.3 297°.10 0°.3/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 5.63	+ 9 45.6	1.892	2.727	13.1	21.4
1 22	10 1.02	+10 25.2	1.810	2.720	9.6	21.2
2 1	9 54.36	+11 18.1	1.752	2.714	5.6	20.9
2 11	9 46.36	+12 19.4	1.722	2.708	1.2	20.6
2 21	9 37.95	+13 22.9	1.721	2.702	3.4	20.8
3 2	9 30.20	+14 22.4	1.748	2.696	7.7	21.0
3 12	9 24.05	+15 12.4	1.801	2.690	11.6	21.2
3 22	9 20.14	+15 49.9	1.877	2.684	15.0	21.4

229218 2004 VW_{77} 2 13.3 36°.58 1°.1/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.49	+13 55.5	1.654	2.505	13.9	19.7
1 22	10 1.72	+14 40.0	1.595	2.515	10.0	19.5
2 1	9 54.73	+15 34.1	1.559	2.525	5.6	19.2
2 11	9 46.41	+16 31.3	1.550	2.536	1.3	19.0
2 21	9 37.85	+17 24.6	1.569	2.547	4.2	19.2
3 2	9 30.22	+18 7.9	1.616	2.559	8.6	19.5
3 12	9 24.50	+18 37.4	1.687	2.571	12.5	19.7
3 22	9 21.24	+18 52.1	1.779	2.583	15.8	20.0

124599 2001 SR_{28} 2 13.3 325°.69 5°.1/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.80	+22 55.3	1.323	2.187	15.8	19.6
1 22	10 7.03	+23 46.2	1.258	2.183	11.6	19.3
2 1	9 58.09	+24 38.5	1.216	2.179	7.3	19.0
2 11	9 47.09	+25 22.0	1.199	2.175	5.1	18.9
2 21	9 35.62	+25 47.7	1.208	2.172	7.8	19.1
3 2	9 25.41	+25 50.6	1.242	2.169	12.3	19.3
3 12	9 17.89	+25 30.6	1.298	2.166	16.6	19.5
3 22	9 13.82	+24 50.7	1.372	2.163	20.3	19.8

82882 2001 QG_{71} 2 13.3 31°.90 9°.2/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.59	−10 7.1	1.798	2.544	17.2	17.4
1 22	10 2.38	−11 18.8	1.734	2.558	14.7	17.3
2 1	9 55.08	−12 5.3	1.690	2.573	12.0	17.1
2 11	9 46.49	−12 24.1	1.670	2.589	9.9	17.0
2 21	9 37.61	−12 15.6	1.675	2.605	9.2	17.0
3 2	9 29.55	−11 43.7	1.705	2.622	10.2	17.1
3 12	9 23.24	−10 55.5	1.759	2.640	12.3	17.3
3 22	9 19.27	− 9 58.8	1.836	2.658	14.6	17.5

429308 2010 DY_{45} 2 13.3 304°.03 0°.8/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.45	+ 9 53.1	2.097	2.926	12.3	21.2
1 22	10 1.40	+10 7.7	2.015	2.922	9.0	21.0
2 1	9 54.49	+10 32.7	1.958	2.917	5.3	20.7
2 11	9 46.39	+11 4.6	1.928	2.913	1.4	20.4
2 21	9 37.96	+11 39.2	1.929	2.909	3.0	20.6
3 2	9 30.16	+12 11.8	1.958	2.906	7.0	20.8
3 12	9 23.83	+12 38.8	2.013	2.902	10.6	21.0
3 22	9 19.56	+12 57.6	2.092	2.898	13.7	21.2

109570 2001 QJ_{268} 2 13.3 187°.35 1°.9/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.52	+ 5 51.4	2.318	3.130	11.8	20.1
1 22	10 0.56	+ 6 3.5	2.236	3.130	8.9	19.9
2 1	9 53.93	+ 6 27.9	2.178	3.130	5.6	19.7
2 11	9 46.28	+ 7 2.0	2.149	3.130	2.5	19.5
2 21	9 38.34	+ 7 42.0	2.150	3.129	3.0	19.5
3 2	9 30.96	+ 8 23.6	2.180	3.129	6.3	19.8
3 12	9 24.90	+ 9 2.6	2.237	3.128	9.5	20.0
3 22	9 20.66	+ 9 35.8	2.318	3.128	12.4	20.1

83747 2001 TR_{136} 2 13.3 106°.71 2°.4/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.45	+18 23.8	2.355	3.200	10.5	19.2
1 22	10 0.51	+19 32.4	2.291	3.209	7.5	19.0
2 1	9 53.89	+20 45.3	2.254	3.218	4.3	18.8
2 11	9 46.26	+21 56.3	2.247	3.227	2.4	18.7
2 21	9 38.41	+22 59.6	2.270	3.236	4.5	18.8
3 2	9 31.18	+23 50.7	2.322	3.244	7.6	19.0
3 12	9 25.32	+24 27.0	2.400	3.253	10.5	19.2
3 22	9 21.34	+24 48.1	2.501	3.261	13.0	19.4

135464 2001 VT_{85} 2 13.3 148°.27 3°.7/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.16	+27 15.5	3.093	3.931	8.5	21.6
1 22	10 2.12	+28 5.4	3.034	3.941	6.3	21.5
2 1	9 54.67	+28 52.4	3.002	3.952	4.4	21.4
2 11	9 46.40	+29 31.9	3.001	3.962	3.8	21.3
2 21	9 37.99	+30 0.2	3.031	3.971	5.1	21.4
3 2	9 30.15	+30 15.2	3.090	3.979	7.2	21.6
3 12	9 23.51	+30 16.6	3.176	3.988	9.2	21.7
3 22	9 18.51	+30 5.3	3.284	3.995	11.1	21.9

123795 2001 BF_{42} 2 13.3 350°.59 1°.6/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.02	+16 48.6	1.711	2.562	13.6	19.5
1 22	10 3.62	+17 7.8	1.639	2.559	9.8	19.3
2 1	9 55.88	+17 32.7	1.590	2.556	5.5	19.0
2 11	9 46.67	+17 57.7	1.569	2.554	1.7	18.7
2 21	9 37.12	+18 17.3	1.576	2.553	4.5	18.9
3 2	9 28.46	+18 27.4	1.610	2.551	8.8	19.2
3 12	9 21.74	+18 25.5	1.670	2.550	12.8	19.4
3 22	9 17.59	+18 11.5	1.750	2.550	16.2	19.6

450492 2005 YG_{110} 2 13.3 346°.47 1°.5/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 6.68	+ 8 21.3	1.183	2.038	18.0	21.3
1 22	10 2.71	+ 8 37.0	1.113	2.032	13.5	21.1
2 1	9 55.71	+ 9 12.7	1.063	2.027	8.1	20.7
2 11	9 46.68	+10 3.4	1.037	2.022	2.5	20.4
2 21	9 37.06	+11 1.2	1.036	2.018	4.5	20.5
3 2	9 28.49	+11 56.9	1.059	2.016	10.2	20.8
3 12	9 22.43	+12 42.6	1.105	2.014	15.5	21.1
3 22	9 19.66	+13 13.8	1.169	2.012	19.9	21.4

365180 2009 FT_{5} 2 13.3 282°.15 0°.3/13.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.51	+12 23.5	1.568	2.412	14.9	22.0
1 22	10 4.32	+12 49.0	1.482	2.398	10.9	21.7
2 1	9 56.48	+13 26.6	1.419	2.384	6.3	21.4
2 11	9 46.82	+14 11.1	1.383	2.369	1.2	21.0
2 21	9 36.55	+14 55.8	1.375	2.355	4.2	21.2
3 2	9 27.04	+15 33.9	1.393	2.340	9.3	21.5
3 12	9 19.56	+16 0.8	1.436	2.325	13.9	21.7
3 22	9 14.92	+16 13.9	1.499	2.311	17.9	21.9

208306 2001 FB_{158} 2 13.3 78°.03 18°.4/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.93	+50 24.3	1.097	1.917	21.6	19.3
1 22	10 24.55	+52 7.4	1.073	1.927	19.6	19.2
2 1	10 8.35	+53 12.1	1.067	1.938	18.5	19.1
2 11	9 49.00	+53 20.3	1.080	1.948	18.6	19.2
2 21	9 30.22	+52 26.0	1.112	1.959	19.9	19.3
3 2	9 15.32	+50 36.1	1.162	1.969	21.9	19.5
3 12	9 6.01	+48 6.6	1.228	1.980	24.0	19.7
3 22	9 2.32	+45 13.6	1.308	1.990	26.0	19.9

67530 2000 RS_{90} 2 13.3 334°.28 2°.9/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.81	+ 6 51.0	1.426	2.259	16.7	18.9
1 22	10 5.28	+ 6 32.8	1.351	2.256	12.7	18.7
2 1	9 57.00	+ 6 30.5	1.298	2.254	8.0	18.4
2 11	9 46.92	+ 6 41.9	1.270	2.251	3.6	18.1
2 21	9 36.33	+ 7 2.8	1.269	2.249	4.4	18.2
3 2	9 26.70	+ 7 27.7	1.294	2.247	9.2	18.4
3 12	9 19.32	+ 7 50.9	1.343	2.245	13.8	18.7
3 22	9 14.93	+ 8 8.0	1.412	2.243	17.8	18.9

253964 2004 DS_{50} 2 13.3 280°.42 2°.1/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.41	+17 43.7	1.711	2.559	13.7	20.5
1 22	10 5.52	+18 6.5	1.626	2.544	9.9	20.2
2 1	9 57.09	+18 34.6	1.565	2.530	5.7	19.9
2 11	9 46.94	+19 1.9	1.531	2.515	2.1	19.7
2 21	9 36.25	+19 22.6	1.526	2.501	4.9	19.8
3 2	9 26.36	+19 31.9	1.549	2.486	9.4	20.0
3 12	9 18.46	+19 27.6	1.596	2.471	13.6	20.3
3 22	9 13.32	+19 9.8	1.664	2.457	17.2	20.5

267498 2002 JC_{121} 2 13.3 312°.18 12°.2/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.27	+42 53.4	1.732	2.570	14.0	19.0
1 22	10 5.54	+45 28.7	1.680	2.553	12.6	18.9
2 1	9 57.50	+47 48.9	1.652	2.536	12.2	18.8
2 11	9 47.06	+49 40.1	1.649	2.519	13.1	18.9
2 21	9 35.74	+50 52.7	1.669	2.503	14.9	18.9
3 2	9 25.40	+51 22.9	1.709	2.487	17.1	19.0
3 12	9 17.71	+51 13.7	1.766	2.471	19.3	19.2
3 22	9 13.64	+50 31.8	1.836	2.456	21.2	19.3

31762 1999 JB_{104} 2 13.3 40°.83 6°.6/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.74	+29 47.6	2.040	2.894	11.5	17.2
1 22	10 1.86	+31 31.4	1.988	2.900	8.8	17.0
2 1	9 54.84	+33 10.6	1.963	2.906	6.9	16.9
2 11	9 46.48	+34 36.0	1.966	2.912	6.8	16.9
2 21	9 37.81	+35 40.5	1.997	2.918	8.6	17.0
3 2	9 29.95	+36 20.2	2.054	2.924	11.1	17.2
3 12	9 23.86	+36 34.9	2.134	2.931	13.6	17.4
3 22	9 20.14	+36 27.4	2.232	2.938	15.8	17.5

33006 1997 EJ_{6} 2 13.3 309°.04 5°.4/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.41	+28 11.9	2.177	3.029	11.0	18.2
1 22	10 2.26	+29 14.5	2.104	3.017	8.3	18.0
2 1	9 55.05	+30 14.3	2.056	3.006	6.1	17.8
2 11	9 46.52	+31 4.0	2.037	2.995	5.5	17.8
2 21	9 37.64	+31 37.7	2.046	2.984	7.2	17.9
3 2	9 29.45	+31 51.9	2.081	2.973	10.0	18.0
3 12	9 22.91	+31 46.1	2.141	2.963	12.7	18.2
3 22	9 18.61	+31 22.0	2.221	2.952	15.2	18.3

255759 2006 RN_{41} 2 13.3 118°.27 5°.2/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.76	+28 25.2	2.135	2.972	11.8	22.9
1 22	10 8.68	+29 14.5	2.088	2.994	8.8	22.8
2 1	9 58.49	+29 57.9	2.068	3.016	6.2	22.7
2 11	9 47.15	+30 28.4	2.077	3.037	5.2	22.6
2 21	9 35.80	+30 41.5	2.116	3.057	6.9	22.8
3 2	9 25.56	+30 35.4	2.184	3.076	9.5	23.0
3 12	9 17.35	+30 11.6	2.276	3.095	12.2	23.2
3 22	9 11.64	+29 33.1	2.390	3.112	14.5	23.4

468845 2012 VG_{14} 2 13.3 199°.83 0°.8/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 5.81	+14 11.9	2.626	3.458	10.0	22.3
1 22	10 0.65	+14 48.1	2.544	3.455	7.2	22.1
2 1	9 53.96	+15 30.4	2.489	3.452	4.0	21.9
2 11	9 46.31	+16 15.0	2.463	3.449	0.9	21.7
2 21	9 38.40	+16 57.5	2.469	3.446	3.0	21.9
3 2	9 30.99	+17 34.2	2.504	3.442	6.3	22.1
3 12	9 24.79	+18 2.2	2.567	3.437	9.3	22.2
3 22	9 20.26	+18 20.2	2.654	3.433	11.8	22.4

272910 2006 BY_{161} 2 13.3 4°.61 2°.8/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.57	+17 18.3	1.501	2.364	14.4	19.9
1 22	10 1.38	+18 16.7	1.437	2.364	10.3	19.6
2 1	9 54.72	+19 23.0	1.397	2.364	5.9	19.4
2 11	9 46.48	+20 29.0	1.383	2.366	2.8	19.2
2 21	9 37.88	+21 26.3	1.395	2.368	5.7	19.3
3 2	9 30.23	+22 8.1	1.434	2.371	10.1	19.6
3 12	9 24.67	+22 31.2	1.496	2.374	14.1	19.9
3 22	9 21.82	+22 35.2	1.577	2.379	17.6	20.1

350144 2011 SE_{64} 2 13.3 197°.34 3°.7/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.91	− 3 7.9	2.804	3.570	11.2	21.3
1 22	9 58.48	− 2 45.1	2.712	3.568	8.9	21.1
2 1	9 52.70	− 2 5.9	2.644	3.566	6.5	21.0
2 11	9 46.07	− 1 11.9	2.604	3.564	4.3	20.8
2 21	9 39.20	− 0 6.4	2.594	3.561	3.9	20.8
3 2	9 32.73	+ 1 6.5	2.614	3.558	5.6	20.9
3 12	9 27.29	+ 2 21.4	2.663	3.555	8.1	21.1
3 22	9 23.32	+ 3 33.7	2.738	3.552	10.6	21.2

150987 2001 TT_{240} 2 13.3 359°.46 8°.6/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.24	− 6 7.3	1.501	2.285	18.4	19.5
1 22	10 1.87	− 7 3.8	1.425	2.283	15.4	19.3
2 1	9 55.04	− 7 34.3	1.370	2.282	12.1	19.1
2 11	9 46.56	− 7 36.2	1.337	2.281	9.4	18.9
2 21	9 37.58	− 7 10.7	1.328	2.281	8.6	18.9
3 2	9 29.42	− 6 22.7	1.344	2.282	10.5	19.0
3 12	9 23.23	− 5 20.7	1.384	2.284	13.6	19.2
3 22	9 19.75	− 4 13.8	1.444	2.287	16.8	19.4

104842 2000 HW_{71} 2 13.3 266°.93 4°.0/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.69	+24 16.2	2.180	3.028	11.1	19.7
1 22	10 3.05	+25 3.2	2.109	3.025	8.1	19.5
2 1	9 55.45	+25 49.5	2.064	3.022	5.3	19.3
2 11	9 46.62	+26 28.8	2.048	3.019	4.0	19.2
2 21	9 37.51	+26 55.9	2.061	3.016	5.9	19.3
3 2	9 29.14	+27 7.4	2.102	3.013	8.9	19.5
3 12	9 22.39	+27 2.6	2.168	3.010	11.8	19.7
3 22	9 17.83	+26 42.6	2.255	3.007	14.4	19.9

395444 2011 SN_{250} 2 13.3 162°.82 0°.3/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.25	+10 58.3	1.920	2.749	13.2	21.7
1 22	10 4.28	+11 54.9	1.847	2.756	9.6	21.5
2 1	9 56.20	+13 3.6	1.800	2.762	5.4	21.2
2 11	9 46.77	+14 18.4	1.781	2.767	1.0	20.9
2 21	9 37.01	+15 32.1	1.793	2.771	3.6	21.1
3 2	9 28.01	+16 38.0	1.834	2.775	7.9	21.4
3 12	9 20.75	+17 31.5	1.901	2.778	11.7	21.6
3 22	9 15.82	+18 10.3	1.992	2.780	14.9	21.8

129591 1997 UL_{12} 2 13.3 53°.98 2°.8/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.09	+17 28.2	1.248	2.111	16.7	19.9
1 22	10 6.27	+18 11.1	1.201	2.127	12.0	19.7
2 1	9 57.50	+19 0.9	1.176	2.143	6.8	19.4
2 11	9 47.02	+19 48.3	1.177	2.160	2.8	19.2
2 21	9 36.39	+20 25.0	1.203	2.177	5.9	19.5
3 2	9 27.22	+20 45.4	1.255	2.195	10.8	19.8
3 12	9 20.72	+20 47.7	1.329	2.213	15.2	20.1
3 22	9 17.47	+20 33.1	1.422	2.231	18.8	20.4

245968 2006 SE_{90} 2 13.3 181°.30 0°.3/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.67	+12 48.8	2.617	3.445	10.1	21.5
1 22	10 0.53	+13 15.8	2.537	3.446	7.3	21.3
2 1	9 53.89	+13 49.4	2.484	3.446	4.1	21.1
2 11	9 46.32	+14 26.1	2.460	3.446	0.8	20.9
2 21	9 38.52	+15 2.2	2.467	3.446	2.7	21.0
3 2	9 31.24	+15 33.9	2.504	3.445	6.0	21.3
3 12	9 25.16	+15 58.5	2.568	3.444	9.0	21.4
3 22	9 20.74	+16 14.5	2.657	3.444	11.6	21.6

429012 2009 BV_{101} 2 13.3 55°.75 2°.3/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.44	+16 17.0	2.120	2.968	11.4	20.5
1 22	9 59.97	+17 43.1	2.056	2.976	8.1	20.3
2 1	9 53.69	+19 16.5	2.018	2.983	4.6	20.1
2 11	9 46.29	+20 50.0	2.010	2.991	2.3	20.0
2 21	9 38.62	+22 16.0	2.031	2.999	4.6	20.1
3 2	9 31.60	+23 28.6	2.081	3.008	8.1	20.3
3 12	9 26.05	+24 24.2	2.158	3.016	11.3	20.6
3 22	9 22.51	+25 1.8	2.256	3.024	14.0	20.8

335894 2007 RU_{215} 2 13.3 54°.91 0°.2/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 7.30	+12 39.3	2.006	2.843	12.4	20.8
1 22	10 1.99	+12 59.6	1.941	2.854	9.0	20.6
2 1	9 54.80	+13 28.1	1.902	2.865	5.1	20.4
2 11	9 46.50	+14 0.4	1.891	2.877	0.9	20.1
2 21	9 38.02	+14 31.9	1.909	2.888	3.2	20.3
3 2	9 30.32	+14 58.2	1.955	2.900	7.2	20.6
3 12	9 24.23	+15 16.5	2.028	2.912	10.7	20.8
3 22	9 20.26	+15 25.0	2.124	2.924	13.7	21.1

332372 2007 EQ_{181} 2 13.3 57°.40 4°.6/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.20	− 0 56.0	1.762	2.560	15.5	20.8
1 22	10 1.41	− 0 53.4	1.694	2.572	12.2	20.6
2 1	9 54.57	− 0 29.3	1.648	2.583	8.6	20.4
2 11	9 46.47	+ 0 14.4	1.628	2.595	5.4	20.3
2 21	9 38.11	+ 1 13.0	1.635	2.608	5.0	20.3
3 2	9 30.55	+ 2 20.2	1.670	2.620	7.8	20.5
3 12	9 24.71	+ 3 28.3	1.731	2.632	11.2	20.7
3 22	9 21.16	+ 4 31.3	1.814	2.645	14.4	20.9

56214 1999 GC_{61} 2 13.3 341°.97 1°.2/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.43	+14 45.4	1.628	2.478	14.1	19.4
1 22	10 3.32	+15 14.4	1.555	2.475	10.2	19.2
2 1	9 55.80	+15 52.3	1.506	2.472	5.8	18.9
2 11	9 46.73	+16 33.0	1.484	2.469	1.4	18.6
2 21	9 37.26	+17 10.3	1.489	2.467	4.4	18.8
3 2	9 28.67	+17 38.4	1.521	2.465	9.0	19.1
3 12	9 22.06	+17 54.0	1.578	2.463	13.2	19.3
3 22	9 18.10	+17 55.9	1.656	2.462	16.7	19.5

26158 1994 WH_{1} 2 13.3 307°.30 8°.4/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.56	− 6 35.5	1.651	2.424	17.5	17.1
1 22	10 2.80	− 7 28.6	1.562	2.413	14.7	16.9
2 1	9 55.61	− 7 57.6	1.494	2.401	11.6	16.7
2 11	9 46.73	− 7 59.9	1.448	2.390	9.1	16.5
2 21	9 37.22	− 7 35.9	1.428	2.379	8.4	16.4
3 2	9 28.34	− 6 49.5	1.434	2.369	10.2	16.5
3 12	9 21.27	− 5 48.4	1.463	2.358	13.3	16.7
3 22	9 16.81	− 4 41.3	1.514	2.348	16.6	16.8

102231 1999 TS_{18} 2 13.3 174°.52 0°.9/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.94	+ 7 57.6	1.989	2.810	13.1	20.7
1 22	10 3.30	+ 8 35.8	1.911	2.813	9.7	20.5
2 1	9 55.65	+ 9 27.8	1.857	2.815	5.8	20.3
2 11	9 46.70	+10 29.0	1.832	2.816	1.7	20.0
2 21	9 37.41	+11 33.6	1.837	2.817	3.2	20.1
3 2	9 28.81	+12 35.5	1.871	2.818	7.3	20.3
3 12	9 21.82	+13 29.3	1.932	2.818	11.1	20.6
3 22	9 17.04	+14 11.9	2.016	2.817	14.3	20.8

293233 2007 BM_{64} 2 13.3 348°.43 0°.8/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.78	+ 9 6.0	1.177	2.032	18.0	20.5
1 22	10 3.54	+ 9 37.3	1.109	2.029	13.4	20.2
2 1	9 56.23	+10 28.8	1.061	2.026	7.9	19.9
2 11	9 46.86	+11 34.3	1.038	2.023	1.9	19.5
2 21	9 36.90	+12 44.2	1.039	2.022	4.5	19.7
3 2	9 28.05	+13 48.7	1.066	2.020	10.4	20.0
3 12	9 21.75	+14 39.7	1.114	2.020	15.7	20.3
3 22	9 18.80	+15 13.4	1.182	2.019	20.1	20.6

309268 2007 RX_{102} 2 13.3 111°.90 0°.0/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.16	+10 46.7	1.764	2.596	14.1	21.7
1 22	10 4.94	+11 26.2	1.705	2.615	10.2	21.5
2 1	9 56.55	+12 17.2	1.671	2.632	5.8	21.3
2 11	9 46.86	+13 14.1	1.664	2.650	1.1	21.0
2 21	9 36.99	+14 10.3	1.687	2.666	3.6	21.2
3 2	9 28.08	+14 59.7	1.738	2.683	8.0	21.5
3 12	9 21.09	+15 38.1	1.815	2.698	11.8	21.8
3 22	9 16.58	+16 3.8	1.915	2.713	15.0	22.0

55567 2002 CS_{6} 2 13.3 177°.50 10°.1/ 4.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.82	+43 43.5	2.135	2.942	12.9	18.4
1 22	10 14.44	+45 4.8	2.087	2.945	11.2	18.3
2 1	10 2.08	+46 8.6	2.064	2.947	10.2	18.3
2 11	9 47.94	+46 45.1	2.068	2.948	10.4	18.3
2 21	9 33.58	+46 49.0	2.098	2.949	11.6	18.4
3 2	9 20.66	+46 20.0	2.152	2.948	13.4	18.5
3 12	9 10.46	+45 22.7	2.227	2.947	15.4	18.6
3 22	9 3.59	+44 4.2	2.320	2.944	17.1	18.8

334309 2001 VQ_{109} 2 13.4 68°.67 3°.0/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.83	+ 3 52.8	1.691	2.505	15.4	21.2
1 22	10 3.93	+ 3 59.4	1.639	2.532	11.6	21.0
2 1	9 55.93	+ 4 23.4	1.609	2.558	7.5	20.8
2 11	9 46.75	+ 5 1.5	1.606	2.584	3.7	20.6
2 21	9 37.46	+ 5 48.4	1.632	2.610	3.9	20.7
3 2	9 29.20	+ 6 37.8	1.686	2.636	7.6	21.0
3 12	9 22.85	+ 7 24.1	1.765	2.662	11.3	21.3
3 22	9 18.93	+ 8 3.0	1.867	2.688	14.5	21.5

190171 2005 UA_{216} 2 13.4 191°.89 0°.6/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 11.28	+ 9 4.4	1.767	2.594	14.3	21.1
1 22	10 5.26	+ 9 40.8	1.687	2.593	10.6	20.9
2 1	9 56.89	+10 31.7	1.631	2.591	6.2	20.6
2 11	9 46.97	+11 31.8	1.603	2.588	1.5	20.3
2 21	9 36.60	+12 34.8	1.604	2.585	3.6	20.4
3 2	9 27.00	+13 33.6	1.634	2.581	8.2	20.7
3 12	9 19.26	+14 22.8	1.691	2.576	12.4	20.9
3 22	9 14.07	+14 59.3	1.769	2.570	16.0	21.2

176786 2002 SZ_{14} 2 13.4 218°.04 3°.7/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.22	+ 3 25.1	1.993	2.791	14.0	20.5
1 22	10 5.75	+ 2 57.3	1.902	2.785	10.9	20.3
2 1	9 57.10	+ 2 43.1	1.836	2.778	7.4	20.1
2 11	9 47.02	+ 2 41.9	1.798	2.771	4.3	19.9
2 21	9 36.47	+ 2 51.6	1.789	2.763	4.4	19.9
3 2	9 26.57	+ 3 8.7	1.809	2.755	7.6	20.0
3 12	9 18.32	+ 3 28.8	1.856	2.746	11.3	20.2
3 22	9 12.39	+ 3 47.9	1.927	2.737	14.5	20.4

124516 2001 RO_{71} 2 13.4 187°.24 0°.1/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.17	+11 18.8	1.775	2.606	14.0	20.6
1 22	10 5.88	+11 45.4	1.697	2.606	10.3	20.4
2 1	9 57.22	+12 23.2	1.644	2.605	5.9	20.1
2 11	9 47.04	+13 7.4	1.618	2.604	1.2	19.8
2 21	9 36.44	+13 51.9	1.622	2.602	3.7	20.0
3 2	9 26.66	+14 31.1	1.655	2.599	8.3	20.2
3 12	9 18.80	+15 0.7	1.713	2.596	12.4	20.5
3 22	9 13.51	+15 18.5	1.794	2.592	15.9	20.7

461102 2015 BU_{206} 2 13.4 92°.36 2°.9/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.54	+18 39.5	1.897	2.746	12.5	20.7
1 22	10 3.04	+19 49.4	1.842	2.761	8.9	20.5
2 1	9 55.47	+21 3.9	1.812	2.776	5.2	20.3
2 11	9 46.67	+22 15.1	1.811	2.791	2.9	20.2
2 21	9 37.68	+23 16.2	1.839	2.806	5.3	20.4
3 2	9 29.55	+24 1.9	1.895	2.820	8.8	20.6
3 12	9 23.21	+24 29.9	1.977	2.834	12.2	20.9
3 22	9 19.21	+24 40.7	2.079	2.848	15.0	21.1

195353 2002 FB_{1} 2 13.4 279°.29 2°.1/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.73	+ 3 54.4	1.971	2.785	13.5	20.4
1 22	10 0.41	+ 4 38.0	1.876	2.772	10.3	20.1
2 1	9 54.10	+ 5 40.5	1.806	2.758	6.5	19.9
2 11	9 46.44	+ 6 58.3	1.763	2.744	2.8	19.6
2 21	9 38.30	+ 8 25.5	1.749	2.730	3.3	19.6
3 2	9 30.68	+ 9 54.6	1.765	2.716	7.3	19.8
3 12	9 24.53	+11 18.3	1.807	2.702	11.2	20.0
3 22	9 20.51	+12 31.2	1.872	2.688	14.7	20.2

36323 2000 LF_{27} 2 13.4 155°.35 1°.1/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.36	+14 30.4	2.014	2.846	12.6	19.9
1 22	10 5.71	+15 10.7	1.944	2.856	9.0	19.7
2 1	9 56.99	+15 58.2	1.901	2.864	5.1	19.5
2 11	9 46.99	+16 47.5	1.887	2.872	1.3	19.2
2 21	9 36.73	+17 32.6	1.903	2.879	3.8	19.5
3 2	9 27.29	+18 8.8	1.949	2.886	7.8	19.7
3 12	9 19.61	+18 33.2	2.022	2.891	11.4	19.9
3 22	9 14.25	+18 45.0	2.117	2.896	14.4	20.2

428404 2007 TZ_{48} 2 13.4 192°.87 2°.9/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.42	+21 15.5	2.264	3.109	10.9	21.1
1 22	10 2.77	+21 52.7	2.192	3.108	7.9	20.9
2 1	9 55.28	+22 31.1	2.146	3.108	4.7	20.7
2 11	9 46.66	+23 5.4	2.130	3.108	2.9	20.6
2 21	9 37.79	+23 30.8	2.142	3.107	4.8	20.7
3 2	9 29.61	+23 44.2	2.184	3.107	8.0	20.9
3 12	9 22.96	+23 44.0	2.252	3.106	11.0	21.1
3 22	9 18.37	+23 30.9	2.342	3.105	13.6	21.3

155293 2005 XO_{65} 2 13.4 143°.04 1°.7/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.76	+ 7 42.1	1.909	2.732	13.5	20.3
1 22	10 3.23	+ 7 44.7	1.831	2.733	10.1	20.0
2 1	9 55.64	+ 7 59.8	1.778	2.734	6.2	19.8
2 11	9 46.74	+ 8 24.4	1.752	2.735	2.4	19.6
2 21	9 37.52	+ 8 54.4	1.755	2.736	3.3	19.6
3 2	9 29.03	+ 9 25.1	1.787	2.737	7.3	19.9
3 12	9 22.21	+ 9 52.3	1.845	2.737	11.1	20.1
3 22	9 17.66	+10 12.6	1.925	2.738	14.4	20.3

372015 2008 LX_{7} 2 13.4 249°.01 4°.5/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.89	− 2 18.6	2.059	2.841	14.2	22.2
1 22	10 1.18	− 2 3.9	1.962	2.829	11.3	22.0
2 1	9 54.52	− 1 28.1	1.888	2.817	8.1	21.8
2 11	9 46.54	− 0 32.3	1.841	2.805	5.3	21.6
2 21	9 38.10	+ 0 39.6	1.822	2.792	4.8	21.5
3 2	9 30.16	+ 2 1.6	1.831	2.779	7.4	21.7
3 12	9 23.64	+ 3 26.2	1.868	2.766	10.8	21.8
3 22	9 19.19	+ 4 46.7	1.929	2.752	14.0	22.0

100491 1996 VE_{31} 2 13.4 160°.21 2°.3/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 13.04	+16 10.8	1.768	2.609	13.6	21.4
1 22	10 6.51	+17 19.7	1.701	2.617	9.8	21.2
2 1	9 57.57	+18 36.6	1.660	2.624	5.5	20.9
2 11	9 47.13	+19 53.5	1.648	2.631	2.3	20.7
2 21	9 36.33	+21 2.1	1.665	2.636	5.1	20.9
3 2	9 26.46	+21 56.1	1.711	2.641	9.2	21.2
3 12	9 18.58	+22 32.2	1.783	2.645	13.1	21.4
3 22	9 13.36	+22 50.3	1.875	2.647	16.2	21.7

382135 2011 KJ_{14} 2 13.4 96°.96 2°.9/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.38	+19 59.2	2.154	3.002	11.3	20.6
1 22	10 2.07	+20 52.8	2.090	3.009	8.1	20.5
2 1	9 54.89	+21 49.2	2.052	3.016	4.8	20.3
2 11	9 46.59	+22 42.2	2.043	3.022	2.9	20.2
2 21	9 38.06	+23 26.3	2.064	3.029	4.9	20.3
3 2	9 30.27	+23 57.3	2.113	3.036	8.2	20.5
3 12	9 24.03	+24 13.5	2.187	3.043	11.3	20.7
3 22	9 19.88	+24 14.9	2.284	3.049	13.9	20.9

261080 2005 SJ_{220} 2 13.4 131°.49 0°.3/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.78	+13 39.3	2.262	3.088	11.6	21.1
1 22	10 5.02	+13 54.3	2.196	3.103	8.4	20.9
2 1	9 56.48	+14 15.3	2.155	3.117	4.7	20.7
2 11	9 46.89	+14 38.5	2.145	3.131	0.9	20.5
2 21	9 37.15	+14 59.8	2.165	3.144	3.1	20.7
3 2	9 28.19	+15 16.1	2.216	3.156	6.8	20.9
3 12	9 20.79	+15 24.9	2.294	3.168	10.1	21.2
3 22	9 15.46	+15 25.4	2.396	3.179	12.8	21.4

426613 2013 SR_{49} 2 13.4 198°.52 2°.6/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.46	+19 39.9	2.311	3.153	10.8	21.3
1 22	10 2.82	+20 30.7	2.234	3.150	7.8	21.1
2 1	9 55.34	+21 24.8	2.185	3.148	4.6	20.9
2 11	9 46.69	+22 16.4	2.165	3.144	2.6	20.7
2 21	9 37.74	+23 0.1	2.175	3.141	4.6	20.9
3 2	9 29.41	+23 31.9	2.214	3.136	7.9	21.1
3 12	9 22.55	+23 49.5	2.279	3.132	11.0	21.3
3 22	9 17.70	+23 53.1	2.367	3.127	13.6	21.4

72984 2002 CB_{253} 2 13.4 207°.08 0°.1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.12	+11 6.5	2.156	2.986	11.9	20.2
1 22	10 1.93	+11 46.8	2.073	2.982	8.7	19.9
2 1	9 54.86	+12 37.5	2.017	2.979	5.0	19.7
2 11	9 46.60	+13 34.1	1.989	2.975	1.0	19.4
2 21	9 38.00	+14 31.1	1.991	2.970	3.2	19.6
3 2	9 29.99	+15 23.1	2.022	2.966	7.1	19.8
3 12	9 23.43	+16 6.0	2.080	2.961	10.7	20.0
3 22	9 18.90	+16 37.4	2.162	2.955	13.7	20.2

293062 2006 WE_{151} 2 13.4 53°.79 2°.9/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.30	+ 5 30.8	1.159	2.002	19.1	20.8
1 22	10 5.23	+ 5 38.2	1.102	2.012	14.5	20.5
2 1	9 57.10	+ 6 8.3	1.064	2.021	9.1	20.3
2 11	9 47.06	+ 6 56.8	1.050	2.032	3.9	20.0
2 21	9 36.65	+ 7 55.9	1.061	2.042	4.7	20.1
3 2	9 27.53	+ 8 56.2	1.097	2.053	10.0	20.4
3 12	9 21.05	+ 9 49.3	1.155	2.064	15.0	20.7
3 22	9 17.91	+10 29.9	1.233	2.075	19.2	21.0

272806 2006 AF_{32} 2 13.4 48°.70 6°.8/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.15	+28 0.8	1.495	2.356	14.5	20.2
1 22	10 6.00	+29 17.5	1.464	2.382	10.9	20.0
2 1	9 57.22	+30 27.3	1.457	2.409	7.8	19.9
2 11	9 47.03	+31 20.1	1.476	2.436	6.9	19.9
2 21	9 36.88	+31 49.2	1.521	2.464	8.9	20.1
3 2	9 28.16	+31 52.3	1.592	2.492	12.0	20.3
3 12	9 21.93	+31 31.5	1.685	2.520	15.0	20.6
3 22	9 18.64	+30 51.4	1.796	2.548	17.6	20.8

105639 2000 SL_{15} 2 13.4 251°.67 5°.8/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.95	− 8 25.7	2.652	3.388	12.5	20.2
1 22	9 59.41	− 8 32.4	2.550	3.375	10.5	20.0
2 1	9 53.37	− 8 20.2	2.470	3.363	8.3	19.9
2 11	9 46.32	− 7 48.9	2.416	3.350	6.4	19.7
2 21	9 38.93	− 7 0.0	2.390	3.337	5.8	19.7
3 2	9 31.92	− 5 57.2	2.393	3.323	7.0	19.7
3 12	9 25.98	− 4 45.9	2.424	3.310	9.1	19.8
3 22	9 21.64	− 3 31.7	2.479	3.296	11.5	20.0

407366 2010 RO_{118} 2 13.4 68°.87 0°.1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.58	+10 27.1	1.607	2.449	14.7	21.2
1 22	10 2.63	+11 19.0	1.545	2.460	10.7	21.0
2 1	9 55.38	+12 25.0	1.506	2.470	6.1	20.7
2 11	9 46.71	+13 38.4	1.494	2.480	1.1	20.4
2 21	9 37.76	+14 51.2	1.511	2.491	3.8	20.6
3 2	9 29.73	+15 56.1	1.555	2.502	8.5	20.9
3 12	9 23.66	+16 47.5	1.624	2.512	12.6	21.2
3 22	9 20.13	+17 23.1	1.714	2.523	16.1	21.5

20860 2000 VS_{34} 2 13.4 143°.01 3°.0/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 7.55	− 0 1.1	2.981	3.751	10.5	21.5
1 22	10 1.67	+ 0 12.0	2.904	3.768	8.2	21.4
2 1	9 54.48	+ 0 37.9	2.853	3.783	5.7	21.2
2 11	9 46.52	+ 1 14.9	2.832	3.798	3.5	21.1
2 21	9 38.40	+ 2 0.0	2.841	3.812	3.2	21.1
3 2	9 30.78	+ 2 49.9	2.882	3.825	5.3	21.2
3 12	9 24.24	+ 3 40.3	2.953	3.838	7.7	21.4
3 22	9 19.18	+ 4 28.0	3.049	3.849	10.0	21.6

253297 2003 BD_{72} 2 13.4 32°.90 2°.4/14.9 18

1 12	10 6.03	+ 5 32.0	1.291	2.134	17.6	19.7
1 22	10 1.79	+ 5 55.3	1.239	2.150	13.2	19.5
2 1	9 54.97	+ 6 39.8	1.209	2.167	8.1	19.3
2 11	9 46.64	+ 7 40.0	1.203	2.185	3.3	19.0
2 21	9 38.09	+ 8 48.1	1.222	2.204	4.1	19.1
3 2	9 30.70	+ 9 55.0	1.268	2.224	8.9	19.5
3 12	9 25.56	+10 53.1	1.337	2.244	13.4	19.8
3 22	9 23.25	+11 37.7	1.426	2.266	17.2	20.1

125351 2001 VA_{60} 2 13.4 186°.82 1°.7/14.6 18

1 12	10 12.00	+ 7 13.2	1.882	2.698	14.0	21.2
1 22	10 5.66	+ 7 25.3	1.800	2.698	10.5	21.0
2 1	9 57.08	+ 7 51.1	1.743	2.697	6.4	20.8
2 11	9 47.06	+ 8 27.3	1.713	2.696	2.4	20.5
2 21	9 36.63	+ 9 9.1	1.714	2.694	3.4	20.6
3 2	9 26.95	+ 9 51.0	1.743	2.691	7.7	20.8
3 12	9 19.03	+10 28.2	1.799	2.687	11.6	21.0
3 22	9 13.55	+10 57.3	1.878	2.683	15.0	21.2

235391 2003 WT_{101} 2 13.4 75°.41 2°.5/11.2 18

1 12	10 8.00	+18 42.0	2.009	2.857	11.9	20.7
1 22	10 2.56	+19 30.6	1.950	2.869	8.5	20.5
2 1	9 55.19	+20 23.0	1.917	2.881	4.9	20.3
2 11	9 46.67	+21 12.9	1.912	2.894	2.5	20.2
2 21	9 37.96	+21 54.5	1.936	2.906	4.7	20.4
3 2	9 30.07	+22 23.7	1.989	2.918	8.2	20.6
3 12	9 23.86	+22 38.5	2.067	2.930	11.5	20.8
3 22	9 19.84	+22 38.9	2.167	2.942	14.2	21.0

273943 2007 JM_{26} 2 13.4 15°.44 0°.8/12.7 18

1 12	10 6.26	+12 46.1	1.890	2.732	12.8	20.8
1 22	10 1.51	+13 36.4	1.817	2.733	9.3	20.6
2 1	9 54.70	+14 37.3	1.768	2.733	5.2	20.4
2 11	9 46.60	+15 42.8	1.748	2.734	1.1	20.1
2 21	9 38.17	+16 46.4	1.756	2.734	3.8	20.3
3 2	9 30.44	+17 41.7	1.793	2.735	8.0	20.5
3 12	9 24.37	+18 24.5	1.855	2.736	11.7	20.7
3 22	9 20.54	+18 52.9	1.940	2.737	14.9	21.0

256124 2006 UK_{337} 2 13.4 38°.40 12°.3/ 4.9 18

1 12	10 16.83	+41 43.3	1.444	2.287	16.1	19.4
1 22	10 10.06	+43 18.1	1.414	2.298	13.8	19.2
2 1	9 59.81	+44 31.4	1.405	2.309	12.5	19.2
2 11	9 47.58	+45 11.0	1.419	2.322	12.6	19.2
2 21	9 35.31	+45 10.7	1.456	2.334	14.2	19.4
3 2	9 24.92	+44 31.2	1.514	2.348	16.4	19.5
3 12	9 17.75	+43 19.2	1.591	2.361	18.6	19.7
3 22	9 14.31	+41 43.6	1.684	2.375	20.7	19.9

298737 2004 GQ_{35} 2 13.4 289°.61 4°.5/15.6 18

1 12	10 10.76	+ 3 23.8	1.417	2.239	17.4	20.6
1 22	10 5.77	+ 3 3.0	1.313	2.209	13.7	20.3
2 1	9 57.71	+ 3 1.9	1.230	2.178	9.3	20.0
2 11	9 47.30	+ 3 20.6	1.172	2.148	5.2	19.6
2 21	9 35.76	+ 3 56.0	1.139	2.117	5.5	19.6
3 2	9 24.69	+ 4 42.3	1.133	2.085	10.2	19.7
3 12	9 15.70	+ 5 31.5	1.150	2.054	15.4	19.9
3 22	9 9.91	+ 6 16.4	1.187	2.022	20.2	20.1

224413 2005 UJ_{345} 2 13.4 266°.26 2°.9/11.1 18

1 12	10 8.19	+18 41.8	1.859	2.710	12.6	20.5
1 22	10 3.01	+19 38.6	1.786	2.706	9.1	20.2
2 1	9 55.62	+20 40.9	1.738	2.702	5.3	20.0
2 11	9 46.81	+21 41.4	1.718	2.699	2.9	19.8
2 21	9 37.61	+22 33.2	1.727	2.695	5.3	20.0
3 2	9 29.19	+23 10.9	1.763	2.691	9.1	20.2
3 12	9 22.54	+23 31.9	1.824	2.688	12.7	20.4
3 22	9 18.31	+23 35.9	1.906	2.684	15.8	20.6

193955 2001 RC_{68} 2 13.4 218°.42 3°.2/15.7 18

1 12	10 10.61	+ 2 53.7	1.857	2.661	14.7	21.2
1 22	10 4.80	+ 3 4.3	1.765	2.652	11.3	21.0
2 1	9 56.70	+ 3 33.1	1.697	2.642	7.5	20.7
2 11	9 47.04	+ 4 17.9	1.656	2.632	3.9	20.5
2 21	9 36.85	+ 5 14.1	1.643	2.621	4.1	20.4
3 2	9 27.27	+ 6 15.6	1.660	2.609	7.9	20.6
3 12	9 19.39	+ 7 15.7	1.703	2.597	11.9	20.8
3 22	9 13.93	+ 8 9.1	1.769	2.583	15.5	21.0

409976 2006 VL_{86} 2 13.4 141°.09 3°.1/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 11.04	+20 41.1	2.201	3.042	11.3	21.9
1 22	10 4.68	+21 43.6	2.141	3.056	8.1	21.7
2 1	9 56.39	+22 48.0	2.107	3.068	4.9	21.6
2 11	9 46.95	+23 47.8	2.103	3.080	3.1	21.5
2 21	9 37.31	+24 37.1	2.130	3.091	5.1	21.6
3 2	9 28.45	+25 11.8	2.185	3.102	8.3	21.8
3 12	9 21.23	+25 30.4	2.267	3.112	11.3	22.0
3 22	9 16.18	+25 33.6	2.371	3.121	13.8	22.2

372709 2009 WZ_{259} 2 13.4 50°.40 3°.6/10.4 18

1 12	10 8.10	+21 6.9	1.945	2.797	12.1	20.3
1 22	10 2.86	+22 7.4	1.877	2.797	8.7	20.1
2 1	9 55.49	+23 10.7	1.835	2.797	5.3	19.9
2 11	9 46.80	+24 9.5	1.821	2.798	3.6	19.8
2 21	9 37.79	+24 57.2	1.836	2.798	5.7	19.9
3 2	9 29.56	+25 29.1	1.879	2.799	9.2	20.1
3 12	9 23.07	+25 43.3	1.946	2.799	12.5	20.3
3 22	9 18.92	+25 40.4	2.034	2.800	15.4	20.5

10877 Jiangnan Tianchi 2 13.4 102°.62 2°.3/15.4 18

1 12	10 7.77	+ 4 14.9	1.995	2.805	13.5	18.5
1 22	10 2.37	+ 4 39.0	1.929	2.820	10.2	18.3
2 1	9 55.10	+ 5 18.7	1.886	2.836	6.5	18.1
2 11	9 46.71	+ 6 10.6	1.872	2.851	3.0	17.9
2 21	9 38.12	+ 7 9.5	1.886	2.866	3.3	18.0
3 2	9 30.28	+ 8 9.6	1.930	2.881	6.9	18.2
3 12	9 24.03	+ 9 5.4	2.001	2.895	10.4	18.5
3 22	9 19.88	+ 9 52.9	2.096	2.909	13.4	18.7

280668 2005 EV_{149} 2 13.4 118°.72 1°.8/15.3 18

1 12	10 4.66	+ 4 29.1	2.299	3.108	12.0	20.8
1 22	10 0.00	+ 5 7.1	2.222	3.114	9.0	20.6
2 1	9 53.73	+ 5 59.7	2.169	3.120	5.7	20.4
2 11	9 46.45	+ 7 3.3	2.145	3.126	2.5	20.2
2 21	9 38.92	+ 8 12.9	2.151	3.131	2.9	20.2
3 2	9 31.95	+ 9 23.0	2.187	3.137	6.2	20.5
3 12	9 26.29	+10 28.2	2.251	3.142	9.5	20.7
3 22	9 22.42	+11 24.9	2.339	3.148	12.3	20.9

40606 1999 RR_{157} 2 13.4 124°.16 2°.7/10.9 18

1 12	10 10.91	+20 55.0	2.355	3.194	10.7	19.9
1 22	10 4.41	+21 35.1	2.296	3.210	7.7	19.7
2 1	9 56.17	+22 16.0	2.264	3.225	4.6	19.5
2 11	9 46.91	+22 52.5	2.262	3.241	2.7	19.4
2 21	9 37.53	+23 20.1	2.291	3.255	4.6	19.6
3 2	9 28.93	+23 35.8	2.349	3.269	7.6	19.8
3 12	9 21.88	+23 38.5	2.433	3.283	10.5	20.0
3 22	9 16.86	+23 28.9	2.540	3.296	12.9	20.2

33866 2000 JN_{17} 2 13.4 219°.74 0°.5/13.9 18

1 12	10 5.44	+ 9 40.1	2.726	3.545	10.1	20.0
1 22	10 0.43	+10 11.5	2.635	3.537	7.4	19.8
2 1	9 53.94	+10 51.8	2.570	3.528	4.3	19.6
2 11	9 46.50	+11 38.0	2.534	3.519	1.1	19.3
2 21	9 38.76	+12 26.0	2.529	3.510	2.5	19.4
3 2	9 31.45	+13 12.0	2.556	3.500	5.7	19.6
3 12	9 25.24	+13 52.4	2.610	3.490	8.8	19.8
3 22	9 20.62	+14 24.8	2.689	3.479	11.4	20.0

338199 2002 RS_{275} 2 13.4 216°.58 0°.5/13.9 17

1 12	10 6.53	+ 9 59.4	2.274	3.099	11.6	21.9
1 22	10 1.42	+10 23.4	2.191	3.096	8.5	21.7
2 1	9 54.57	+10 57.4	2.133	3.093	5.0	21.5
2 11	9 46.63	+11 37.7	2.104	3.090	1.2	21.2
2 21	9 38.37	+12 19.9	2.105	3.086	2.8	21.4
3 2	9 30.68	+12 59.7	2.136	3.083	6.6	21.6
3 12	9 24.35	+13 33.2	2.194	3.079	10.0	21.8
3 22	9 19.93	+13 57.9	2.275	3.075	12.9	22.0

382451 2000 PJ_{27} 2 13.4 220°.63 0°.0/13.4 17

1 12	10 6.49	+12 12.0	2.632	3.457	10.2	21.4
1 22	10 1.21	+12 32.0	2.544	3.451	7.4	21.3
2 1	9 54.39	+12 59.0	2.484	3.445	4.2	21.0
2 11	9 46.59	+13 29.6	2.452	3.438	0.8	20.8
2 21	9 38.52	+14 0.4	2.452	3.431	2.7	20.9
3 2	9 30.93	+14 27.8	2.481	3.424	6.0	21.1
3 12	9 24.53	+14 49.0	2.539	3.417	9.1	21.3
3 22	9 19.80	+15 2.5	2.621	3.409	11.7	21.5

92529 2000 OK_{11} 2 13.4 231°.03 2°.2/14.8 18

1 12	10 12.85	+ 6 57.5	1.871	2.685	14.1	20.2
1 22	10 6.44	+ 6 53.0	1.777	2.673	10.7	20.0
2 1	9 57.67	+ 7 1.6	1.707	2.660	6.7	19.7
2 11	9 47.27	+ 7 20.9	1.665	2.646	2.8	19.4
2 21	9 36.30	+ 7 47.2	1.652	2.632	3.7	19.4
3 2	9 25.97	+ 8 15.9	1.669	2.617	7.9	19.7
3 12	9 17.38	+ 8 42.2	1.712	2.601	12.1	19.9
3 22	9 11.29	+ 9 2.6	1.778	2.585	15.7	20.1

520781 2014 SD_{357} 2 13.4 89°.96 2°.4/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 9.60	+17 14.9	1.700	2.551	13.6	21.5
1 22	10 4.08	+18 7.0	1.638	2.558	9.8	21.2
2 1	9 56.23	+19 5.6	1.600	2.566	5.6	21.0
2 11	9 46.96	+20 3.2	1.590	2.573	2.4	20.8
2 21	9 37.40	+20 52.7	1.608	2.580	5.1	21.0
3 2	9 28.78	+21 28.6	1.653	2.587	9.2	21.3
3 12	9 22.14	+21 48.1	1.723	2.594	13.0	21.5
3 22	9 18.07	+21 51.4	1.814	2.601	16.2	21.7

85129 1979 MC_{5} 2 13.4 97°.19 1°.5/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.88	+ 6 27.7	1.632	2.454	15.5	20.0
1 22	10 5.56	+ 7 5.5	1.579	2.480	11.5	19.8
2 1	9 56.98	+ 7 59.9	1.549	2.505	6.9	19.6
2 11	9 47.09	+ 9 5.3	1.546	2.529	2.3	19.3
2 21	9 37.07	+10 14.4	1.572	2.553	3.5	19.5
3 2	9 28.12	+11 20.0	1.627	2.576	8.0	19.8
3 12	9 21.22	+12 16.3	1.708	2.599	12.0	20.1
3 22	9 16.91	+12 59.8	1.811	2.620	15.3	20.3

340755 2006 SD_{287} 2 13.4 136°.19 8°.6/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.43	−20 40.0	2.825	3.463	13.7	21.1
1 22	9 59.68	−21 3.4	2.740	3.471	12.3	21.0
2 1	9 53.49	−21 3.6	2.675	3.479	10.7	20.9
2 11	9 46.42	−20 39.2	2.633	3.487	9.4	20.8
2 21	9 39.10	−19 50.8	2.616	3.494	8.6	20.8
3 2	9 32.25	−18 41.5	2.624	3.501	8.8	20.8
3 12	9 26.52	−17 16.7	2.659	3.507	9.7	20.9
3 22	9 22.38	−15 42.9	2.719	3.514	11.2	21.0

298786 2004 PS_{50} 2 13.4 207°.89 2°.0/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.82	+16 34.1	1.850	2.690	13.2	22.3
1 22	10 6.42	+17 18.1	1.769	2.684	9.5	22.0
2 1	9 57.63	+18 9.2	1.714	2.678	5.4	21.8
2 11	9 47.26	+19 0.7	1.687	2.671	2.0	21.5
2 21	9 36.42	+19 46.0	1.689	2.663	4.7	21.7
3 2	9 26.36	+20 19.7	1.721	2.654	8.9	21.9
3 12	9 18.17	+20 38.6	1.778	2.645	12.8	22.1
3 22	9 12.58	+20 42.6	1.856	2.635	16.2	22.3

380459 2003 UU_{155} 2 13.4 180°.16 2°.5/10.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.84	+19 19.6	2.325	3.168	10.7	22.0
1 22	10 2.38	+20 11.4	2.252	3.169	7.7	21.8
2 1	9 55.12	+21 6.6	2.206	3.169	4.5	21.6
2 11	9 46.75	+21 59.4	2.189	3.169	2.5	21.5
2 21	9 38.10	+22 44.7	2.202	3.169	4.5	21.6
3 2	9 30.08	+23 18.3	2.245	3.169	7.7	21.8
3 12	9 23.50	+23 38.0	2.313	3.168	10.8	22.0
3 22	9 18.89	+23 43.9	2.404	3.167	13.4	22.2

309932 2009 FK_{62} 2 13.4 340°.92 1°.5/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.21	+ 8 11.5	1.280	2.131	17.2	20.6
1 22	10 2.30	+ 8 28.4	1.206	2.122	12.9	20.3
2 1	9 55.55	+ 9 4.4	1.152	2.115	7.8	20.0
2 11	9 46.88	+ 9 55.0	1.123	2.108	2.5	19.6
2 21	9 37.62	+10 52.6	1.119	2.102	4.2	19.7
3 2	9 29.30	+11 48.7	1.140	2.096	9.7	20.0
3 12	9 23.27	+12 35.8	1.185	2.092	14.8	20.3
3 22	9 20.34	+13 9.1	1.248	2.089	19.1	20.5

494837 2007 UM_{96} 2 13.4 135°.13 1°.0/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.94	+15 28.5	2.878	3.707	9.3	22.5
1 22	10 1.33	+16 4.2	2.811	3.721	6.6	22.3
2 1	9 54.36	+16 44.1	2.772	3.735	3.7	22.1
2 11	9 46.59	+17 24.5	2.763	3.748	1.1	21.9
2 21	9 38.67	+18 1.5	2.786	3.761	2.9	22.1
3 2	9 31.30	+18 32.2	2.839	3.773	5.8	22.3
3 12	9 25.07	+18 54.4	2.920	3.784	8.5	22.5
3 22	9 20.41	+19 7.3	3.025	3.795	10.7	22.7

401974 2002 TG_{257} 2 13.4 57°.67 4°.7/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 14.78	+22 25.8	1.405	2.263	15.5	21.0
1 22	10 7.83	+23 27.3	1.376	2.298	11.1	20.8
2 1	9 58.25	+24 27.6	1.370	2.332	6.8	20.6
2 11	9 47.33	+25 17.1	1.391	2.367	4.7	20.6
2 21	9 36.55	+25 48.7	1.439	2.401	7.0	20.8
3 2	9 27.34	+25 59.2	1.514	2.436	10.9	21.1
3 12	9 20.71	+25 49.6	1.611	2.470	14.4	21.4
3 22	9 17.09	+25 23.0	1.728	2.504	17.3	21.7

415765 2000 SM_{129} 2 13.4 99°.79 4°.4/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.80	− 0 25.4	2.187	2.964	13.6	21.1
1 22	10 5.05	− 0 48.8	2.125	2.989	10.7	21.0
2 1	9 56.54	− 0 56.1	2.086	3.014	7.6	20.8
2 11	9 47.02	− 0 48.3	2.076	3.039	5.0	20.7
2 21	9 37.38	− 0 27.8	2.095	3.062	4.7	20.7
3 2	9 28.54	+ 0 1.3	2.145	3.086	6.9	20.9
3 12	9 21.26	+ 0 34.3	2.221	3.108	9.8	21.1
3 22	9 16.04	+ 1 6.9	2.322	3.130	12.4	21.3

328597 2009 SS_{74} 2 13.4 178°.93 3°.8/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 5.36	− 0 38.2	1.944	2.739	14.4	20.7
1 22	10 0.82	− 0 10.9	1.862	2.739	11.3	20.5
2 1	9 54.35	+ 0 37.6	1.802	2.740	7.8	20.3
2 11	9 46.63	+ 1 44.9	1.769	2.740	4.6	20.1
2 21	9 38.54	+ 3 5.7	1.764	2.740	4.2	20.1
3 2	9 31.08	+ 4 33.1	1.788	2.739	7.2	20.3
3 12	9 25.13	+ 5 59.4	1.839	2.739	10.8	20.5
3 22	9 21.31	+ 7 18.3	1.914	2.739	14.0	20.7

142856 2002 VS_{26} 2 13.4 128°.72 1°.8/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.88	+ 6 20.9	1.899	2.717	13.8	20.1
1 22	10 3.32	+ 6 42.6	1.827	2.726	10.3	19.8
2 1	9 55.73	+ 7 18.9	1.780	2.734	6.4	19.6
2 11	9 46.89	+ 8 6.2	1.760	2.743	2.5	19.4
2 21	9 37.76	+ 8 59.1	1.770	2.751	3.3	19.5
3 2	9 29.41	+ 9 51.9	1.809	2.758	7.3	19.7
3 12	9 22.74	+10 39.2	1.874	2.766	11.0	20.0
3 22	9 18.32	+11 17.5	1.961	2.773	14.3	20.2

281426 2008 SX_{2} 2 13.4 200°.10 0°.4/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.89	+12 3.6	2.333	3.162	11.2	21.3
1 22	10 1.69	+12 48.0	2.250	3.159	8.1	21.1
2 1	9 54.75	+13 41.5	2.194	3.156	4.6	20.9
2 11	9 46.70	+14 39.5	2.166	3.152	0.9	20.6
2 21	9 38.33	+15 36.8	2.170	3.148	3.1	20.8
3 2	9 30.50	+16 28.5	2.203	3.144	6.8	21.0
3 12	9 24.02	+17 10.9	2.263	3.139	10.1	21.2
3 22	9 19.42	+17 41.7	2.347	3.134	12.9	21.4

418317 2008 FO_{99} 2 13.4 291°.41 6°.1/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.96	+26 42.8	1.726	2.583	13.1	21.2
1 22	10 4.58	+28 5.6	1.662	2.580	9.8	21.0
2 1	9 56.66	+29 26.7	1.623	2.576	7.0	20.8
2 11	9 47.09	+30 36.4	1.611	2.573	6.2	20.8
2 21	9 37.11	+31 26.4	1.627	2.569	8.4	20.9
3 2	9 28.06	+31 51.9	1.668	2.566	11.6	21.1
3 12	9 21.10	+31 52.5	1.732	2.563	14.9	21.3
3 22	9 16.92	+31 31.0	1.815	2.559	17.7	21.5

138349 2000 GK_{115} 2 13.4 16°.36 1°.7/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.35	+14 14.6	1.280	2.144	16.3	19.2
1 22	10 2.28	+15 5.5	1.221	2.148	11.7	18.9
2 1	9 55.43	+16 8.9	1.185	2.153	6.6	18.6
2 11	9 46.85	+17 16.1	1.174	2.160	1.8	18.3
2 21	9 37.92	+18 17.8	1.189	2.167	5.2	18.6
3 2	9 30.11	+19 5.9	1.228	2.175	10.3	18.9
3 12	9 24.67	+19 35.9	1.291	2.184	14.9	19.2
3 22	9 22.23	+19 46.7	1.372	2.193	18.7	19.5

427578 2003 QT_{4} 2 13.4 198°.79 1°.4/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.56	+ 7 49.2	2.413	3.225	11.4	22.2
1 22	10 2.81	+ 7 54.6	2.326	3.222	8.5	22.0
2 1	9 55.35	+ 8 10.0	2.265	3.219	5.2	21.7
2 11	9 46.82	+ 8 32.9	2.233	3.215	2.0	21.5
2 21	9 37.99	+ 9 0.0	2.231	3.211	2.8	21.6
3 2	9 29.70	+ 9 27.6	2.260	3.207	6.2	21.8
3 12	9 22.73	+ 9 52.4	2.316	3.202	9.5	22.0
3 22	9 17.60	+10 11.7	2.396	3.197	12.3	22.2

206248 2002 XU_{35} 2 13.4 56°.90 1°.4/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.92	+15 41.5	2.038	2.881	12.0	20.7
1 22	10 1.79	+16 20.1	1.976	2.893	8.6	20.5
2 1	9 54.80	+17 4.8	1.939	2.904	4.8	20.3
2 11	9 46.70	+17 50.2	1.931	2.916	1.5	20.1
2 21	9 38.42	+18 31.0	1.952	2.928	3.9	20.2
3 2	9 30.90	+19 2.7	2.002	2.939	7.6	20.5
3 12	9 24.97	+19 22.7	2.077	2.951	10.9	20.7
3 22	9 21.14	+19 30.3	2.175	2.964	13.8	20.9

500226 2012 HC_{79} 2 13.4 254°.39 2°.6/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.45	+ 2 21.7	2.271	3.068	12.5	22.4
1 22	10 1.53	+ 2 52.0	2.165	3.049	9.7	22.1
2 1	9 54.77	+ 3 39.5	2.084	3.028	6.4	21.9
2 11	9 46.73	+ 4 41.7	2.031	3.007	3.3	21.7
2 21	9 38.20	+ 5 54.3	2.008	2.986	3.4	21.6
3 2	9 30.06	+ 7 11.5	2.014	2.964	6.7	21.8
3 12	9 23.20	+ 8 27.1	2.049	2.941	10.2	22.0
3 22	9 18.24	+ 9 35.8	2.108	2.918	13.4	22.1

351636 2005 YQ_{23} 2 13.4 245°.98 2°.9/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.66	+ 5 44.5	1.590	2.412	15.9	21.5
1 22	10 5.88	+ 5 35.1	1.504	2.403	12.1	21.2
2 1	9 57.48	+ 5 41.9	1.441	2.394	7.8	20.9
2 11	9 47.28	+ 6 2.9	1.404	2.384	3.6	20.7
2 21	9 36.49	+ 6 33.9	1.395	2.374	4.3	20.7
3 2	9 26.47	+ 7 9.2	1.413	2.364	8.7	20.9
3 12	9 18.47	+ 7 42.9	1.456	2.354	13.2	21.1
3 22	9 13.26	+ 8 10.4	1.521	2.343	17.1	21.4

329345 2001 QW_{266} 2 13.4 164°.06 2°.0/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 7.44	+ 3 11.7	2.445	3.240	11.8	21.3
1 22	10 1.95	+ 3 54.0	2.363	3.247	9.0	21.1
2 1	9 54.84	+ 4 51.1	2.306	3.253	5.7	20.9
2 11	9 46.72	+ 5 59.8	2.280	3.258	2.7	20.7
2 21	9 38.34	+ 7 15.2	2.284	3.263	2.9	20.8
3 2	9 30.49	+ 8 31.6	2.319	3.267	6.0	21.0
3 12	9 23.92	+ 9 43.8	2.383	3.270	9.2	21.2
3 22	9 19.13	+10 47.6	2.472	3.272	12.0	21.4

139790 2001 RH_{6} 2 13.4 57°.61 0°.0/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.94	+13 1.3	2.145	2.977	11.9	19.8
1 22	10 3.17	+13 4.8	2.073	2.983	8.7	19.6
2 1	9 55.58	+13 15.0	2.027	2.989	4.9	19.4
2 11	9 46.88	+13 28.5	2.009	2.995	1.0	19.1
2 21	9 37.96	+13 41.7	2.021	3.001	3.0	19.3
3 2	9 29.77	+13 51.2	2.062	3.007	6.9	19.6
3 12	9 23.13	+13 54.7	2.130	3.013	10.3	19.8
3 22	9 18.55	+13 51.0	2.221	3.020	13.2	20.0

302219 2001 UH_{222} 2 13.4 310°.78 6°.6/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.23	− 7 0.6	2.154	2.911	14.4	20.5
1 22	9 59.98	− 7 24.9	2.056	2.897	12.0	20.3
2 1	9 53.89	− 7 28.4	1.980	2.883	9.5	20.1
2 11	9 46.57	− 7 10.1	1.929	2.869	7.3	19.9
2 21	9 38.80	− 6 31.4	1.904	2.855	6.7	19.9
3 2	9 31.49	− 5 36.2	1.907	2.841	8.1	19.9
3 12	9 25.50	− 4 30.6	1.935	2.828	10.7	20.1
3 22	9 21.45	− 3 21.3	1.987	2.815	13.5	20.2

27160 1999 AQ_{4} 2 13.4 175°.11 0°.5/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.77	+14 11.7	2.459	3.288	10.7	18.7
1 22	10 2.91	+14 25.3	2.380	3.289	7.7	18.5
2 1	9 55.39	+14 44.3	2.328	3.290	4.4	18.3
2 11	9 46.85	+15 5.3	2.305	3.291	0.9	18.0
2 21	9 38.08	+15 24.6	2.313	3.291	3.0	18.2
3 2	9 29.91	+15 39.2	2.351	3.292	6.4	18.4
3 12	9 23.09	+15 46.8	2.416	3.292	9.6	18.6
3 22	9 18.12	+15 46.4	2.506	3.291	12.2	18.8

59208 1999 BW_{12} 2 13.4 348°.11 1°.7/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.43	+ 8 24.7	1.085	1.947	18.8	18.6
1 22	10 2.10	+ 8 32.5	1.016	1.938	14.1	18.3
2 1	9 55.61	+ 9 1.2	0.967	1.930	8.6	17.9
2 11	9 46.97	+ 9 46.1	0.940	1.924	2.8	17.6
2 21	9 37.66	+10 39.2	0.936	1.919	4.6	17.7
3 2	9 29.45	+11 31.2	0.956	1.915	10.6	18.0
3 12	9 23.85	+12 13.8	0.998	1.913	16.1	18.3
3 22	9 21.71	+12 41.8	1.057	1.912	20.7	18.6

81232 2000 FW_{26} 2 13.4 328°.80 0°.6/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.19	+12 40.3	1.598	2.445	14.5	20.0
1 22	10 3.28	+13 14.4	1.523	2.441	10.6	19.7
2 1	9 55.94	+14 0.3	1.472	2.437	6.0	19.4
2 11	9 46.99	+14 51.9	1.448	2.434	1.2	19.1
2 21	9 37.61	+15 42.4	1.451	2.430	4.1	19.3
3 2	9 29.08	+16 25.2	1.481	2.427	8.9	19.6
3 12	9 22.51	+16 55.7	1.536	2.425	13.2	19.8
3 22	9 18.61	+17 11.9	1.611	2.422	16.9	20.1

206753 2004 BW_{151} 2 13.4 88°.49 3°.7/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.81	+ 0 45.9	2.226	3.016	13.0	20.3
1 22	10 1.56	+ 0 42.6	2.155	3.030	10.1	20.1
2 1	9 54.63	+ 0 54.9	2.108	3.044	7.0	20.0
2 11	9 46.71	+ 1 21.4	2.088	3.057	4.3	19.8
2 21	9 38.58	+ 1 58.6	2.098	3.070	4.0	19.8
3 2	9 31.10	+ 2 42.2	2.136	3.084	6.5	20.0
3 12	9 25.02	+ 3 27.3	2.202	3.097	9.5	20.2
3 22	9 20.82	+ 4 9.5	2.292	3.110	12.2	20.4

116875 2004 FJ_{110} 2 13.4 357°.42 3°.0/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.94	+17 49.7	1.219	2.083	16.9	19.3
1 22	10 6.61	+18 27.7	1.156	2.082	12.3	19.0
2 1	9 58.06	+19 13.5	1.114	2.081	7.1	18.7
2 11	9 47.43	+19 58.0	1.097	2.081	3.0	18.5
2 21	9 36.31	+20 32.2	1.106	2.081	6.2	18.7
3 2	9 26.47	+20 49.6	1.139	2.081	11.5	19.0
3 12	9 19.35	+20 47.9	1.194	2.081	16.3	19.3
3 22	9 15.71	+20 28.1	1.268	2.082	20.3	19.5

77821 2001 QL_{178} 2 13.4 15°.24 4°.4/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.28	+23 19.2	2.003	2.858	11.6	18.1
1 22	10 1.56	+24 36.7	1.939	2.860	8.5	17.9
2 1	9 54.80	+25 55.3	1.902	2.861	5.5	17.7
2 11	9 46.76	+27 7.3	1.893	2.863	4.5	17.7
2 21	9 38.41	+28 5.6	1.913	2.865	6.5	17.8
3 2	9 30.81	+28 45.6	1.959	2.868	9.6	18.0
3 12	9 24.87	+29 5.5	2.030	2.870	12.6	18.2
3 22	9 21.18	+29 6.3	2.122	2.873	15.2	18.4

277488 2005 WK_{74} 2 13.4 51°.77 4°.7/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 7.28	+20 37.8	1.575	2.437	13.9	20.2
1 22	10 2.58	+22 28.0	1.528	2.453	10.0	20.0
2 1	9 55.47	+24 22.2	1.507	2.470	6.2	19.8
2 11	9 46.89	+26 8.8	1.513	2.487	4.8	19.8
2 21	9 38.06	+27 38.0	1.547	2.504	7.3	20.0
3 2	9 30.26	+28 43.0	1.608	2.522	10.9	20.2
3 12	9 24.54	+29 21.9	1.692	2.539	14.4	20.5
3 22	9 21.49	+29 36.4	1.795	2.557	17.2	20.7

158314 2001 VJ_{32} 2 13.4 63°.99 0°.8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.52	+13 12.5	1.272	2.124	17.2	19.8
1 22	10 7.20	+13 44.2	1.229	2.149	12.4	19.5
2 1	9 58.08	+14 27.1	1.208	2.173	6.9	19.3
2 11	9 47.39	+15 13.8	1.212	2.198	1.4	19.0
2 21	9 36.66	+15 56.0	1.244	2.223	4.6	19.3
3 2	9 27.39	+16 27.7	1.301	2.248	9.8	19.7
3 12	9 20.75	+16 45.4	1.382	2.273	14.2	20.0
3 22	9 17.23	+16 48.6	1.483	2.298	17.9	20.3

321375 2009 OX_{8} 2 13.4 218°.67 0°.6/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.06	+14 42.9	2.161	2.989	12.0	21.2
1 22	10 6.30	+14 49.6	2.073	2.981	8.7	20.9
2 1	9 57.47	+15 1.7	2.011	2.973	5.0	20.7
2 11	9 47.30	+15 15.4	1.978	2.964	1.0	20.4
2 21	9 36.76	+15 26.7	1.976	2.954	3.4	20.6
3 2	9 26.88	+15 32.5	2.004	2.944	7.4	20.8
3 12	9 18.61	+15 30.5	2.059	2.934	11.0	21.0
3 22	9 12.57	+15 20.0	2.138	2.923	14.1	21.2

393420 2001 RB_{46} 2 13.4 117°.61 1°.4/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 14.74	+15 14.9	1.710	2.548	14.2	21.6
1 22	10 7.66	+15 53.1	1.654	2.568	10.2	21.4
2 1	9 58.23	+16 38.4	1.623	2.587	5.7	21.2
2 11	9 47.43	+17 24.2	1.620	2.605	1.6	20.9
2 21	9 36.49	+18 4.0	1.647	2.623	4.3	21.2
3 2	9 26.64	+18 32.9	1.702	2.640	8.7	21.5
3 12	9 18.92	+18 48.5	1.783	2.656	12.5	21.7
3 22	9 13.88	+18 50.7	1.885	2.671	15.7	22.0

56354 2000 AF_{129} 2 13.4 111°.07 0°.5/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.98	+11 8.8	1.526	2.366	15.5	19.0
1 22	10 5.92	+12 7.5	1.469	2.383	11.2	18.8
2 1	9 57.36	+13 20.0	1.436	2.400	6.3	18.6
2 11	9 47.28	+14 38.5	1.430	2.416	1.2	18.3
2 21	9 36.95	+15 54.1	1.453	2.432	4.2	18.5
3 2	9 27.72	+16 59.2	1.503	2.447	9.0	18.8
3 12	9 20.68	+17 48.6	1.579	2.462	13.3	19.1
3 22	9 16.44	+18 20.8	1.675	2.476	16.7	19.4

6155 Yokosugano 2 13.4 149°.09 1°.4/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.26	+15 41.8	2.072	2.908	12.1	17.6
1 22	10 4.95	+16 17.7	2.003	2.916	8.7	17.4
2 1	9 56.64	+16 59.6	1.961	2.925	4.9	17.2
2 11	9 47.13	+17 42.0	1.947	2.932	1.5	17.0
2 21	9 37.38	+18 19.6	1.964	2.939	3.9	17.2
3 2	9 28.41	+18 48.2	2.010	2.946	7.7	17.4
3 12	9 21.12	+19 5.3	2.082	2.952	11.1	17.6
3 22	9 16.06	+19 10.3	2.177	2.957	14.0	17.8

466448 2013 TJ_{90} 2 13.4 104°.91 5°.3/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.57	− 5 59.7	2.213	2.971	14.0	21.9
1 22	10 0.72	− 5 48.3	2.138	2.984	11.4	21.7
2 1	9 54.20	− 5 15.5	2.085	2.997	8.6	21.6
2 11	9 46.65	− 4 22.4	2.059	3.009	6.1	21.4
2 21	9 38.87	− 3 12.7	2.061	3.022	5.4	21.4
3 2	9 31.71	− 1 52.2	2.092	3.034	7.0	21.5
3 12	9 25.93	− 0 27.8	2.150	3.045	9.7	21.7
3 22	9 22.01	+ 0 54.2	2.234	3.057	12.3	21.9

335943 2007 TO_{66} 2 13.4 90°.52 0°.2/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.08	+13 22.9	2.245	3.075	11.5	21.0
1 22	10 3.18	+13 33.4	2.178	3.087	8.3	20.8
2 1	9 55.56	+13 50.2	2.137	3.099	4.7	20.6
2 11	9 46.91	+14 9.8	2.125	3.110	0.9	20.3
2 21	9 38.10	+14 28.3	2.142	3.122	3.0	20.5
3 2	9 30.02	+14 42.4	2.190	3.133	6.6	20.8
3 12	9 23.42	+14 49.9	2.265	3.145	9.9	21.0
3 22	9 18.81	+14 49.5	2.363	3.156	12.7	21.2

203495 2002 AW_{101} 2 13.4 356°.14 1°.8/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.96	+14 52.1	1.300	2.161	16.3	19.9
1 22	10 4.28	+15 36.9	1.234	2.159	11.8	19.6
2 1	9 56.68	+16 33.4	1.190	2.158	6.7	19.4
2 11	9 47.19	+17 33.5	1.172	2.157	2.0	19.0
2 21	9 37.20	+18 28.0	1.179	2.156	5.3	19.3
3 2	9 28.31	+19 9.2	1.211	2.156	10.6	19.6
3 12	9 21.84	+19 32.7	1.267	2.157	15.3	19.8
3 22	9 18.54	+19 37.6	1.341	2.158	19.3	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
69092 2003 BQ_{25}			2 13.4	69°.05	1°.2/14.5 18	
	h m	° ′			°	m
1 12	10 6.60	+ 5 25.0	1.616	2.444	15.3	18.8
1 22	10 1.93	+ 6 34.4	1.555	2.460	11.4	18.6
2 1	9 55.06	+ 8 3.8	1.518	2.476	6.8	18.4
2 11	9 46.84	+ 9 46.3	1.508	2.492	2.1	18.1
2 21	9 38.36	+11 32.5	1.527	2.509	3.5	18.3
3 2	9 30.78	+13 13.0	1.574	2.525	8.0	18.6
3 12	9 25.07	+14 40.2	1.647	2.541	12.2	18.8
3 22	9 21.82	+15 49.8	1.742	2.557	15.6	19.1
240506 2004 EV_{63}			2 13.4	208°.06	2°.3/15.9 18	
1 12	10 4.23	+ 2 51.5	2.619	3.415	11.1	20.7
1 22	9 59.62	+ 3 17.3	2.529	3.412	8.5	20.6
2 1	9 53.55	+ 3 56.7	2.464	3.408	5.6	20.4
2 11	9 46.54	+ 4 47.3	2.428	3.405	2.9	20.2
2 21	9 39.26	+ 5 45.5	2.423	3.401	2.9	20.2
3 2	9 32.41	+ 6 46.8	2.447	3.397	5.7	20.4
3 12	9 26.68	+ 7 46.4	2.500	3.392	8.6	20.5
3 22	9 22.53	+ 8 40.5	2.578	3.387	11.3	20.7
459160 2012 DN_{9}			2 13.4	276°.59	0°.7/12.9 17	
1 12	10 8.03	+12 29.5	1.714	2.557	13.9	21.7
1 22	10 3.12	+13 12.2	1.633	2.549	10.1	21.4
2 1	9 55.86	+14 7.0	1.575	2.540	5.8	21.2
2 11	9 47.03	+15 7.9	1.545	2.531	1.2	20.8
2 21	9 37.71	+16 8.0	1.543	2.522	4.0	21.0
3 2	9 29.10	+17 0.3	1.568	2.513	8.7	21.3
3 12	9 22.32	+17 40.1	1.619	2.504	12.9	21.5
3 22	9 18.08	+18 4.8	1.691	2.495	16.5	21.7
150556 2000 ST_{206}			2 13.4	155°.81	0°.2/13.3 18	
1 12	10 7.75	+11 12.1	2.423	3.247	11.0	21.1
1 22	10 2.21	+11 58.1	2.349	3.255	8.0	20.9
2 1	9 55.03	+12 53.1	2.301	3.262	4.5	20.7
2 11	9 46.84	+13 52.7	2.283	3.269	0.9	20.4
2 21	9 38.40	+14 51.6	2.296	3.275	2.9	20.6
3 2	9 30.56	+15 45.4	2.340	3.281	6.4	20.8
3 12	9 24.03	+16 30.1	2.411	3.286	9.6	21.0
3 22	9 19.33	+17 4.0	2.506	3.290	12.3	21.2
487072 2014 OP_{99}			2 13.4	210°.67	0°.4/13.7 18	
1 12	10 12.19	+11 8.5	1.893	2.720	13.5	21.7
1 22	10 5.92	+11 24.7	1.808	2.715	9.9	21.5
2 1	9 57.37	+11 51.3	1.748	2.708	5.8	21.2
2 11	9 47.33	+12 24.1	1.716	2.701	1.3	20.9
2 21	9 36.83	+12 58.1	1.713	2.694	3.4	21.1
3 2	9 27.05	+13 28.4	1.740	2.686	7.9	21.3
3 12	9 19.04	+13 51.0	1.794	2.677	11.9	21.5
3 22	9 13.47	+14 3.8	1.869	2.668	15.3	21.7
249292 2008 TF_{103}			2 13.4	280°.18	2°.9/11.6 18	
1 12	10 11.57	+17 26.8	1.422	2.278	15.4	21.0
1 22	10 6.32	+18 16.6	1.336	2.259	11.3	20.7
2 1	9 58.01	+19 16.1	1.273	2.240	6.6	20.4
2 11	9 47.51	+20 16.8	1.237	2.220	2.9	20.1
2 21	9 36.18	+21 9.3	1.227	2.200	6.1	20.2
3 2	9 25.66	+21 45.9	1.243	2.180	11.3	20.5
3 12	9 17.48	+22 2.4	1.281	2.159	16.1	20.7
3 22	9 12.55	+21 58.8	1.339	2.139	20.2	20.9
458835 2011 UA_{30}			2 13.4	141°.47	1°.5/12.2 18	
1 12	10 12.32	+15 18.2	1.939	2.775	12.8	22.1
1 22	10 5.81	+16 6.5	1.875	2.788	9.2	21.9
2 1	9 57.18	+17 1.9	1.836	2.800	5.2	21.7
2 11	9 47.27	+17 58.0	1.827	2.811	1.6	21.5
2 21	9 37.12	+18 48.4	1.847	2.822	4.2	21.7
3 2	9 27.84	+19 28.2	1.897	2.832	8.1	21.9
3 12	9 20.37	+19 54.5	1.973	2.841	11.7	22.2
3 22	9 15.29	+20 6.7	2.071	2.850	14.7	22.4
296030 2008 YR_{164}			2 13.4	72°.64	1°.0/14.3 18	
1 12	10 7.38	+ 8 37.0	2.131	2.954	12.3	21.0
1 22	10 1.99	+ 8 57.3	2.071	2.974	9.1	20.9
2 1	9 54.89	+ 9 28.3	2.037	2.994	5.4	20.7
2 11	9 46.81	+10 6.5	2.031	3.015	1.7	20.4
2 21	9 38.59	+10 47.2	2.054	3.035	2.8	20.6
3 2	9 31.12	+11 25.9	2.107	3.055	6.5	20.8
3 12	9 25.15	+11 59.0	2.186	3.075	9.8	21.1
3 22	9 21.14	+12 23.8	2.289	3.095	12.6	21.3
459612 2013 HS_{67}			2 13.4	254°.64	4°.3/16.4 17	
1 12	10 8.48	+ 1 0.9	1.687	2.492	15.8	22.0
1 22	10 3.47	+ 0 59.1	1.600	2.484	12.4	21.7
2 1	9 56.08	+ 1 18.1	1.535	2.476	8.6	21.5
2 11	9 47.10	+ 1 56.5	1.496	2.468	5.1	21.3
2 21	9 37.57	+ 2 50.1	1.484	2.459	4.9	21.2
3 2	9 28.71	+ 3 52.5	1.499	2.450	8.3	21.4
3 12	9 21.65	+ 4 56.2	1.540	2.442	12.4	21.6
3 22	9 17.13	+ 5 54.7	1.604	2.433	16.1	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
285443 1999 VM_{185}			2 13.4	100°.92	3°.3/11.2 17	
	h m	° ′			°	m
1 12	10 15.36	+18 22.6	1.466	2.317	15.4	21.4
1 22	10 8.41	+19 29.9	1.420	2.340	11.0	21.2
2 1	9 58.77	+20 42.2	1.399	2.363	6.4	21.0
2 11	9 47.58	+21 49.9	1.404	2.385	3.3	20.9
2 21	9 36.28	+22 44.2	1.438	2.407	6.1	21.1
3 2	9 26.32	+23 19.6	1.499	2.428	10.4	21.4
3 12	9 18.85	+23 34.8	1.583	2.448	14.3	21.6
3 22	9 14.40	+23 31.5	1.688	2.468	17.5	21.9
184131 2004 JH_{14}			2 13.4	290°.35	0°.8/12.8 18	
1 12	10 7.19	+12 24.9	1.710	2.554	13.9	20.5
1 22	10 2.63	+13 13.7	1.619	2.535	10.1	20.2
2 1	9 55.67	+14 15.9	1.552	2.516	5.8	19.9
2 11	9 47.03	+15 25.6	1.511	2.497	1.2	19.6
2 21	9 37.76	+16 35.2	1.499	2.478	4.2	19.7
3 2	9 29.10	+17 37.1	1.515	2.459	9.0	20.0
3 12	9 22.21	+18 25.5	1.556	2.440	13.3	20.2
3 22	9 17.88	+18 57.8	1.617	2.421	17.1	20.4
240323 2003 KG_{18}			2 13.4	232°.93	0°.5/13.0 17	
1 12	10 10.81	+12 8.6	1.895	2.728	13.2	21.3
1 22	10 5.04	+12 51.8	1.804	2.715	9.7	21.1
2 1	9 56.96	+13 46.7	1.738	2.701	5.5	20.8
2 11	9 47.29	+14 47.8	1.700	2.686	1.1	20.5
2 21	9 37.06	+15 48.5	1.692	2.671	3.8	20.6
3 2	9 27.43	+16 42.5	1.713	2.654	8.3	20.9
3 12	9 19.50	+17 24.8	1.760	2.638	12.4	21.1
3 22	9 14.01	+17 53.3	1.829	2.620	15.9	21.3
325435 2009 OP_{21}			2 13.4	205°.80	3°.7/16.6 16	
1 12	10 8.06	+ 0 21.6	2.184	2.971	13.3	21.9
1 22	10 2.68	+ 0 27.0	2.093	2.967	10.4	21.7
2 1	9 55.43	+ 0 49.6	2.026	2.962	7.2	21.5
2 11	9 46.97	+ 1 27.7	1.987	2.956	4.4	21.3
2 21	9 38.12	+ 2 17.9	1.977	2.950	4.1	21.3
3 2	9 29.80	+ 3 15.3	1.996	2.944	6.9	21.5
3 12	9 22.89	+ 4 14.1	2.043	2.937	10.2	21.6
3 22	9 17.97	+ 5 9.3	2.114	2.929	13.2	21.8
354016 2001 OX_{10}			2 13.4	148°.89	1°.9/12.1 18	
1 12	10 15.00	+16 54.8	1.899	2.734	13.1	21.8
1 22	10 7.80	+17 33.5	1.834	2.746	9.4	21.6
2 1	9 58.35	+18 17.3	1.794	2.757	5.3	21.4
2 11	9 47.54	+19 0.1	1.784	2.768	2.0	21.2
2 21	9 36.49	+19 35.7	1.804	2.777	4.4	21.4
3 2	9 26.39	+20 0.0	1.853	2.786	8.4	21.6
3 12	9 18.24	+20 10.9	1.928	2.793	12.1	21.9
3 22	9 12.62	+20 8.5	2.025	2.800	15.1	22.1
165667 2001 NO_{7}			2 13.4	187°.06	1°.1/12.4 17	
1 12	10 7.02	+15 13.0	2.390	3.226	10.7	21.1
1 22	10 1.77	+15 48.7	2.312	3.226	7.7	20.9
2 1	9 54.83	+16 30.3	2.261	3.225	4.3	20.7
2 11	9 46.84	+17 13.2	2.239	3.224	1.2	20.5
2 21	9 38.59	+17 53.1	2.248	3.224	3.4	20.6
3 2	9 30.91	+18 25.7	2.285	3.222	6.8	20.8
3 12	9 24.57	+18 48.5	2.350	3.221	10.0	21.0
3 22	9 20.09	+19 0.2	2.438	3.220	12.7	21.2
4599 Rowan			2 13.4	116°.70	0°.8/12.6 18	
1 12	10 6.73	+13 58.8	2.500	3.331	10.4	18.4
1 22	10 1.41	+14 38.9	2.434	3.345	7.5	18.2
2 1	9 54.55	+15 25.3	2.395	3.358	4.2	18.0
2 11	9 46.78	+16 13.5	2.385	3.371	1.0	17.8
2 21	9 38.84	+16 59.1	2.406	3.383	3.1	18.0
3 2	9 31.50	+17 38.1	2.457	3.395	6.3	18.2
3 12	9 25.45	+18 7.8	2.536	3.407	9.3	18.4
3 22	9 21.16	+18 26.9	2.638	3.419	11.8	18.6
1420 Radcliffe			2 13.4	167°.81	1°.6/14.7 18	
1 12	10 8.02	+ 7 8.1	2.133	2.950	12.5	16.7
1 22	10 2.62	+ 7 22.3	2.054	2.952	9.4	16.5
2 1	9 55.37	+ 7 48.9	1.999	2.954	5.8	16.3
2 11	9 46.96	+ 8 24.6	1.973	2.955	2.2	16.1
2 21	9 38.25	+ 9 5.4	1.976	2.957	3.0	16.1
3 2	9 30.18	+ 9 46.4	2.009	2.958	6.7	16.4
3 12	9 23.57	+10 23.4	2.068	2.958	10.2	16.6
3 22	9 18.99	+10 53.1	2.151	2.959	13.3	16.8
147255 2002 XX_{88}			2 13.4	73°.08	3°.0/11.3 18	
1 12	10 11.46	+18 50.8	1.633	2.485	14.0	19.6
1 22	10 5.42	+19 41.6	1.584	2.504	10.0	19.4
2 1	9 57.03	+20 36.3	1.559	2.524	5.8	19.2
2 11	9 47.28	+21 27.1	1.562	2.543	3.0	19.1
2 21	9 37.40	+22 7.3	1.592	2.562	5.4	19.3
3 2	9 28.64	+22 32.1	1.650	2.581	9.4	19.6
3 12	9 22.01	+22 40.1	1.732	2.600	13.1	19.8
3 22	9 18.05	+22 32.3	1.835	2.619	16.1	20.1

80125 1999 RG_{176} 2 13.4 173°.26 0°.4/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 13.71	+10 20.8	1.731	2.558	14.5	19.9
1 22	10 7.12	+10 47.7	1.655	2.562	10.7	19.7
2 1	9 58.10	+11 27.0	1.605	2.565	6.2	19.5
2 11	9 47.52	+12 13.7	1.582	2.567	1.4	19.1
2 21	9 36.54	+13 1.7	1.588	2.569	3.6	19.3
3 2	9 26.44	+13 44.8	1.624	2.569	8.3	19.6
3 12	9 18.32	+14 18.6	1.685	2.569	12.5	19.8
3 22	9 12.86	+14 40.6	1.768	2.568	16.0	20.1

495346 2014 OU_2 2 13.4 247°.92 1°.9/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.31	+ 8 12.7	1.573	2.402	15.6	21.8
1 22	10 6.42	+ 8 8.0	1.489	2.394	11.8	21.6
2 1	9 57.86	+ 8 17.4	1.428	2.385	7.3	21.3
2 11	9 47.50	+ 8 37.9	1.393	2.376	2.7	21.0
2 21	9 36.55	+ 9 4.9	1.386	2.367	3.9	21.0
3 2	9 26.42	+ 9 32.9	1.407	2.357	8.8	21.3
3 12	9 18.35	+ 9 56.8	1.452	2.348	13.4	21.5
3 22	9 13.13	+10 13.0	1.519	2.338	17.3	21.8

12515 Suiseki 2 13.4 176°.27 0°.9/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.21	+ 8 13.3	1.944	2.766	13.3	18.6
1 22	10 3.67	+ 8 50.9	1.865	2.769	9.9	18.4
2 1	9 56.05	+ 9 42.3	1.812	2.770	5.9	18.2
2 11	9 47.11	+10 43.0	1.786	2.771	1.7	17.9
2 21	9 37.81	+11 47.0	1.791	2.772	3.2	18.0
3 2	9 29.21	+12 48.0	1.824	2.772	7.4	18.3
3 12	9 22.24	+13 40.7	1.884	2.771	11.3	18.5
3 22	9 17.52	+14 21.9	1.967	2.770	14.5	18.7

463891 2014 UZ_{93} 2 13.4 125°.20 2°.3/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.41	+18 29.8	2.276	3.112	11.2	22.0
1 22	10 4.88	+19 23.0	2.219	3.132	8.0	21.9
2 1	9 56.55	+20 19.4	2.189	3.152	4.6	21.7
2 11	9 47.19	+21 13.0	2.189	3.170	2.3	21.6
2 21	9 37.68	+21 58.5	2.220	3.188	4.3	21.7
3 2	9 28.95	+22 32.1	2.281	3.205	7.6	22.0
3 12	9 21.81	+22 52.0	2.368	3.221	10.6	22.2
3 22	9 16.74	+22 58.4	2.478	3.237	13.1	22.4

318690 2005 QV_{62} 2 13.4 71°.78 1°.2/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.76	+13 5.8	0.959	1.821	20.6	20.6
1 22	10 10.85	+13 49.7	0.924	1.848	14.8	20.4
2 1	10 0.38	+14 48.0	0.909	1.876	8.3	20.1
2 11	9 47.94	+15 49.9	0.918	1.903	1.8	19.8
2 21	9 35.58	+16 44.2	0.951	1.931	5.6	20.2
3 2	9 25.26	+17 22.7	1.008	1.958	11.6	20.6
3 12	9 18.33	+17 42.1	1.087	1.984	16.7	21.0
3 22	9 15.26	+17 43.1	1.184	2.010	20.8	21.3

231786 2000 CU_{97} 2 13.4 82°.23 0°.3/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.24	+10 47.2	1.342	2.187	16.9	20.8
1 22	10 6.31	+11 40.8	1.293	2.209	12.2	20.6
2 1	9 57.66	+12 49.5	1.266	2.231	6.9	20.4
2 11	9 47.43	+14 4.9	1.266	2.252	1.3	20.1
2 21	9 37.03	+15 17.5	1.293	2.273	4.4	20.3
3 2	9 27.93	+16 19.0	1.347	2.294	9.5	20.7
3 12	9 21.26	+17 4.5	1.425	2.315	14.0	21.0
3 22	9 17.61	+17 32.3	1.523	2.335	17.6	21.3

488412 2016 XL 2 13.4 214°.92 12°.2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.15	− 7 12.4	1.202	1.980	22.5	21.6
1 22	10 11.43	− 9 13.8	1.128	1.978	19.1	21.3
2 1	10 1.12	−10 48.9	1.073	1.975	15.6	21.1
2 11	9 48.22	−11 49.4	1.039	1.972	12.8	20.9
2 21	9 34.36	−12 11.2	1.029	1.969	12.3	20.9
3 2	9 21.53	−11 56.5	1.042	1.966	14.4	21.0
3 12	9 11.50	−11 14.7	1.076	1.962	17.8	21.2
3 22	9 5.30	−10 18.0	1.128	1.958	21.4	21.4

467098 2016 EF_{22} 2 13.4 338°.98 7°.4/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.73	− 4 3.8	1.547	2.338	17.6	20.3
1 22	10 2.38	− 4 48.5	1.464	2.331	14.5	20.1
2 1	9 55.56	− 5 9.3	1.403	2.324	11.1	19.9
2 11	9 47.07	− 5 4.4	1.364	2.317	8.2	19.7
2 21	9 38.01	− 4 35.2	1.350	2.311	7.6	19.6
3 2	9 29.68	− 3 46.8	1.362	2.306	9.8	19.7
3 12	9 23.24	− 2 47.1	1.398	2.301	13.2	19.9
3 22	9 19.47	− 1 44.7	1.455	2.297	16.7	20.1

320752 2008 ED_{63} 2 13.4 65°.55 4°.2/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.97	+ 0 50.1	1.612	2.420	16.3	21.5
1 22	10 2.98	+ 0 54.0	1.545	2.431	12.7	21.3
2 1	9 55.73	+ 1 19.5	1.500	2.442	8.7	21.1
2 11	9 47.07	+ 2 4.3	1.480	2.453	5.0	20.9
2 21	9 38.11	+ 3 3.1	1.488	2.464	4.8	20.9
3 2	9 30.02	+ 4 9.0	1.523	2.475	8.1	21.1
3 12	9 23.84	+ 5 14.1	1.583	2.486	12.0	21.4
3 22	9 20.16	+ 6 12.4	1.665	2.497	15.4	21.6

267488 2002 GE_{155} 2 13.4 251°.64 4°.1/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 9.14	+23 18.7	2.145	2.993	11.3	20.6
1 22	10 3.67	+24 21.5	2.064	2.981	8.3	20.4
2 1	9 56.10	+25 25.7	2.010	2.968	5.4	20.2
2 11	9 47.16	+26 24.3	1.984	2.955	4.1	20.1
2 21	9 37.78	+27 10.9	1.987	2.942	6.1	20.2
3 2	9 29.03	+27 41.0	2.019	2.929	9.3	20.4
3 12	9 21.88	+27 52.8	2.075	2.915	12.4	20.5
3 22	9 16.97	+27 47.2	2.153	2.901	15.1	20.7

332165 2005 YE_{197} 2 13.4 203°.67 0°.4/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.61	+10 12.3	2.002	2.832	12.7	21.2
1 22	10 2.48	+10 42.4	1.923	2.831	9.3	21.0
2 1	9 55.37	+11 24.0	1.868	2.829	5.4	20.8
2 11	9 47.01	+12 12.5	1.842	2.828	1.2	20.5
2 21	9 38.30	+13 2.7	1.845	2.826	3.1	20.6
3 2	9 30.24	+13 49.2	1.878	2.825	7.3	20.9
3 12	9 23.75	+14 27.5	1.936	2.823	11.0	21.1
3 22	9 19.41	+14 55.2	2.017	2.821	14.2	21.3

411238 2010 QK_2 2 13.4 184°.83 0°.7/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.37	+13 5.9	2.059	2.890	12.4	21.7
1 22	10 4.45	+13 49.4	1.980	2.891	9.0	21.5
2 1	9 56.49	+14 42.1	1.928	2.891	5.1	21.3
2 11	9 47.23	+15 38.6	1.904	2.890	1.1	21.0
2 21	9 37.62	+16 32.9	1.910	2.888	3.6	21.2
3 2	9 28.68	+17 19.7	1.946	2.886	7.6	21.4
3 12	9 21.35	+17 55.3	2.009	2.883	11.3	21.6
3 22	9 16.24	+18 18.0	2.094	2.880	14.3	21.8

171860 2001 OM_{93} 2 13.4 186°.50 1°.8/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.12	+18 10.6	2.853	3.687	9.2	21.1
1 22	10 1.65	+18 52.3	2.774	3.687	6.6	20.9
2 1	9 54.71	+19 37.1	2.723	3.686	3.8	20.8
2 11	9 46.86	+20 20.9	2.702	3.684	1.8	20.6
2 21	9 38.78	+20 59.6	2.713	3.682	3.5	20.7
3 2	9 31.19	+21 29.9	2.753	3.680	6.3	20.9
3 12	9 24.74	+21 50.0	2.822	3.677	9.0	21.1
3 22	9 19.89	+21 59.1	2.914	3.674	11.3	21.2

461239 2015 WC_{10} 2 13.4 19°.77 9°.3/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.18	+28 30.0	1.065	1.947	17.3	20.2
1 22	10 4.29	+30 22.7	1.026	1.955	13.3	20.0
2 1	9 56.89	+32 9.1	1.009	1.963	10.0	19.8
2 11	9 47.33	+33 33.1	1.015	1.973	9.6	19.8
2 21	9 37.47	+34 23.0	1.043	1.984	12.1	20.0
3 2	9 29.25	+34 34.4	1.093	1.997	15.8	20.3
3 12	9 24.12	+34 10.3	1.162	2.010	19.5	20.5
3 22	9 22.65	+33 17.5	1.246	2.025	22.5	20.8

490338 2009 DV_{26} 2 13.4 198°.20 0°.2/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.13	+12 38.2	1.939	2.769	13.1	22.3
1 22	10 5.84	+13 0.7	1.857	2.766	9.5	22.1
2 1	9 57.34	+13 32.2	1.801	2.763	5.5	21.8
2 11	9 47.41	+14 8.1	1.773	2.759	1.1	21.5
2 21	9 37.08	+14 43.1	1.775	2.755	3.5	21.7
3 2	9 27.49	+15 12.6	1.806	2.749	7.8	21.9
3 12	9 19.64	+15 32.9	1.864	2.744	11.7	22.2
3 22	9 14.18	+15 42.5	1.944	2.737	15.0	22.4

116572 2004 BD_{88} 2 13.4 14°.94 0°.2/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.52	+10 27.5	1.639	2.485	14.3	18.7
1 22	10 0.50	+11 2.5	1.574	2.490	10.4	18.4
2 1	9 54.32	+11 50.9	1.532	2.496	6.0	18.2
2 11	9 46.80	+12 47.1	1.517	2.503	1.3	17.9
2 21	9 38.99	+13 44.3	1.529	2.510	3.6	18.1
3 2	9 32.02	+14 36.0	1.568	2.519	8.1	18.4
3 12	9 26.85	+15 17.0	1.633	2.528	12.2	18.6
3 22	9 24.06	+15 44.7	1.718	2.538	15.6	18.9

345633 2006 SS_{314} 2 13.4 258°.69 2°.0/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.83	+18 21.6	2.420	3.262	10.4	21.3
1 22	10 1.71	+19 1.2	2.337	3.253	7.5	21.1
2 1	9 54.86	+19 44.7	2.280	3.243	4.3	20.9
2 11	9 46.91	+20 27.2	2.252	3.234	2.0	20.8
2 21	9 38.64	+21 4.1	2.254	3.225	4.0	20.9
3 2	9 30.91	+21 31.5	2.286	3.215	7.3	21.1
3 12	9 24.50	+21 47.1	2.344	3.206	10.4	21.2
3 22	9 19.96	+21 50.3	2.425	3.196	13.0	21.4

336012 2007 TP_{421} 2 13.4 75°.59 0°.0/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.31	+ 9 15.8	2.246	3.070	11.7	20.9
1 22	10 1.18	+10 24.2	2.193	3.098	8.5	20.7
2 1	9 54.45	+11 43.4	2.166	3.126	4.8	20.6
2 11	9 46.81	+13 7.6	2.168	3.154	1.0	20.3
2 21	9 39.04	+14 30.6	2.202	3.182	2.9	20.5
3 2	9 31.98	+15 46.6	2.266	3.209	6.5	20.8
3 12	9 26.32	+16 51.3	2.357	3.236	9.6	21.0
3 22	9 22.52	+17 42.3	2.472	3.262	12.3	21.3

159223 2005 WO_{114} 2 13.4 60°.22 5°.4/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 13.86	+22 44.7	1.234	2.100	16.6	19.9
1 22	10 7.84	+23 51.0	1.190	2.115	12.1	19.6
2 1	9 58.67	+24 57.9	1.168	2.131	7.6	19.4
2 11	9 47.67	+25 53.8	1.171	2.146	5.4	19.3
2 21	9 36.50	+26 29.5	1.200	2.162	8.1	19.5
3 2	9 26.89	+26 40.5	1.253	2.178	12.4	19.8
3 12	9 20.12	+26 27.3	1.329	2.195	16.4	20.1
3 22	9 16.76	+25 53.9	1.422	2.211	19.8	20.4

496104 2009 VR_{57} 2 13.4 129°.53 4°.2/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.55	+24 31.4	2.254	3.098	10.9	21.9
1 22	10 4.41	+25 37.2	2.198	3.111	8.0	21.7
2 1	9 56.37	+26 41.8	2.169	3.124	5.3	21.6
2 11	9 47.20	+27 38.5	2.169	3.137	4.2	21.5
2 21	9 37.84	+28 21.6	2.199	3.149	6.0	21.7
3 2	9 29.27	+28 47.7	2.257	3.160	8.8	21.9
3 12	9 22.32	+28 56.2	2.341	3.171	11.5	22.1
3 22	9 17.53	+28 48.5	2.446	3.181	13.8	22.2

151190 2001 XT_{219} 2 13.4 47°.13 3°.1/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.51	+19 21.4	1.692	2.546	13.5	19.9
1 22	10 4.15	+20 12.6	1.629	2.551	9.7	19.6
2 1	9 56.42	+21 8.2	1.591	2.555	5.7	19.4
2 11	9 47.24	+22 0.6	1.579	2.560	3.1	19.2
2 21	9 37.75	+22 42.7	1.596	2.565	5.6	19.4
3 2	9 29.20	+23 9.5	1.639	2.569	9.6	19.7
3 12	9 22.64	+23 19.0	1.707	2.575	13.3	19.9
3 22	9 18.68	+23 11.8	1.796	2.580	16.4	20.1

251019 2006 QV_{31} 2 13.4 179°.16 2°.0/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.00	+ 4 45.6	2.220	3.024	12.6	22.0
1 22	10 3.32	+ 5 14.6	2.136	3.026	9.5	21.8
2 1	9 55.80	+ 5 58.2	2.078	3.027	6.0	21.6
2 11	9 47.11	+ 6 53.1	2.048	3.028	2.6	21.3
2 21	9 38.09	+ 7 54.6	2.048	3.028	3.1	21.4
3 2	9 29.66	+ 8 57.1	2.078	3.027	6.6	21.6
3 12	9 22.65	+ 9 55.5	2.137	3.025	10.0	21.8
3 22	9 17.62	+10 45.8	2.219	3.023	13.1	22.0

306154 2010 KY_{117} 2 13.4 259°.60 6°.4/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.95	− 2 34.1	1.636	2.425	16.9	20.6
1 22	10 4.70	− 3 5.5	1.545	2.414	13.8	20.3
2 1	9 56.92	− 3 14.5	1.476	2.403	10.2	20.1
2 11	9 47.38	− 3 0.2	1.432	2.391	7.2	19.9
2 21	9 37.19	− 2 24.5	1.414	2.379	6.7	19.8
3 2	9 27.65	− 1 32.6	1.423	2.367	9.3	20.0
3 12	9 19.97	− 0 32.3	1.456	2.355	13.1	20.1
3 22	9 14.97	+ 0 28.7	1.511	2.343	16.8	20.3

473958 2016 EE_{182} 2 13.4 340°.20 7°.1/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.19	− 7 9.9	1.667	2.442	17.3	21.2
1 22	10 0.38	− 7 11.1	1.583	2.437	14.3	20.9
2 1	9 54.35	− 6 43.6	1.519	2.432	11.0	20.7
2 11	9 46.85	− 5 47.0	1.478	2.428	8.1	20.5
2 21	9 38.88	− 4 25.1	1.463	2.424	7.1	20.5
3 2	9 31.56	− 2 45.3	1.475	2.420	9.0	20.6
3 12	9 25.97	− 0 57.8	1.511	2.418	12.2	20.7
3 22	9 22.78	+ 0 47.5	1.571	2.415	15.6	21.0

167053 2003 QJ_{67} 2 13.4 81°.41 3°.6/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.30	+19 32.0	1.556	2.410	14.5	20.0
1 22	10 6.15	+20 42.5	1.511	2.432	10.4	19.8
2 1	9 57.51	+21 56.6	1.490	2.454	6.1	19.6
2 11	9 47.44	+23 4.9	1.496	2.476	3.6	19.5
2 21	9 37.25	+23 59.5	1.531	2.497	6.2	19.7
3 2	9 28.26	+24 35.1	1.592	2.518	10.1	20.0
3 12	9 21.52	+24 50.4	1.678	2.539	13.8	20.2
3 22	9 17.58	+24 47.0	1.783	2.560	16.8	20.5

462298 2008 FQ_{113} 2 13.4 248°.01 2°.0/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.43	+16 51.9	2.006	2.848	12.2	22.1
1 22	10 3.96	+17 39.4	1.919	2.835	8.8	21.9
2 1	9 56.33	+18 33.6	1.858	2.822	5.1	21.6
2 11	9 47.25	+19 28.7	1.825	2.809	2.1	21.4
2 21	9 37.68	+20 18.2	1.822	2.795	4.5	21.5
3 2	9 28.74	+20 56.9	1.847	2.780	8.5	21.7
3 12	9 21.41	+21 21.3	1.899	2.766	12.2	21.9
3 22	9 16.40	+21 30.8	1.971	2.751	15.3	22.1

405164 2002 UY_{32} 2 13.5 111°.08 1°.5/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.55	+ 6 52.3	2.142	2.951	12.8	22.5
1 22	10 4.99	+ 7 13.7	2.083	2.977	9.5	22.3
2 1	9 56.64	+ 7 47.2	2.048	3.002	5.8	22.1
2 11	9 47.27	+ 8 29.1	2.043	3.026	2.1	21.9
2 21	9 37.79	+ 9 14.7	2.069	3.049	2.9	22.0
3 2	9 29.12	+ 9 59.3	2.124	3.072	6.5	22.3
3 12	9 22.06	+10 38.6	2.208	3.093	9.9	22.5
3 22	9 17.07	+11 10.1	2.315	3.114	12.7	22.7

454639 2014 QZ_{213} 2 13.5 16°.72 3°.0/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 6.11	+ 4 48.3	1.254	2.096	18.0	19.8
1 22	10 2.18	+ 4 58.8	1.191	2.100	13.7	19.6
2 1	9 55.51	+ 5 32.0	1.149	2.105	8.7	19.3
2 11	9 47.10	+ 6 23.9	1.130	2.111	4.0	19.1
2 21	9 38.28	+ 7 27.1	1.136	2.118	4.4	19.1
3 2	9 30.52	+ 8 32.8	1.168	2.126	9.3	19.4
3 12	9 25.07	+ 9 32.2	1.223	2.135	14.0	19.7
3 22	9 22.59	+10 19.6	1.298	2.144	18.1	20.0

52290 1990 SF 2 13.5 140°.59 4°.9/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.91	+31 1.3	3.012	3.848	8.7	19.8
1 22	10 2.94	+32 10.8	2.961	3.861	6.7	19.7
2 1	9 55.45	+33 15.3	2.937	3.874	5.2	19.6
2 11	9 47.05	+34 9.3	2.944	3.886	5.0	19.6
2 21	9 38.47	+34 48.7	2.980	3.897	6.2	19.7
3 2	9 30.49	+35 11.4	3.045	3.908	8.1	19.8
3 12	9 23.78	+35 17.3	3.134	3.919	10.0	20.0
3 22	9 18.80	+35 8.0	3.245	3.929	11.7	20.1

492392 2014 JZ_{9} 2 13.5 264°.61 2°.4/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.96	+ 5 18.9	1.491	2.318	16.5	22.2
1 22	10 4.99	+ 5 38.8	1.399	2.301	12.6	21.9
2 1	9 57.24	+ 6 19.6	1.329	2.284	8.0	21.6
2 11	9 47.49	+ 7 18.1	1.284	2.266	3.3	21.2
2 21	9 36.95	+ 8 27.9	1.267	2.248	4.2	21.2
3 2	9 27.07	+ 9 40.5	1.276	2.229	9.2	21.5
3 12	9 19.22	+10 47.5	1.310	2.211	14.2	21.7
3 22	9 14.32	+11 42.8	1.365	2.192	18.5	21.9

173254 1999 RG_{97} 2 13.5 153°.13 0°.5/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.61	+12 10.5	1.998	2.829	12.7	21.3
1 22	10 4.61	+12 55.6	1.928	2.837	9.2	21.1
2 1	9 56.59	+13 50.6	1.883	2.845	5.2	20.9
2 11	9 47.30	+14 50.0	1.866	2.852	1.0	20.6
2 21	9 37.73	+15 47.6	1.880	2.859	3.5	20.8
3 2	9 28.91	+16 37.9	1.923	2.865	7.6	21.0
3 12	9 21.76	+17 16.9	1.993	2.870	11.2	21.3
3 22	9 16.86	+17 43.1	2.086	2.874	14.3	21.5

429197 2009 WR_{102} 2 13.5 56°.84 6°.3/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.86	+27 24.7	1.787	2.645	12.7	20.5
1 22	10 3.71	+29 1.2	1.737	2.654	9.6	20.3
2 1	9 56.20	+30 34.6	1.712	2.662	7.0	20.2
2 11	9 47.23	+31 55.0	1.715	2.671	6.5	20.2
2 21	9 37.96	+32 54.5	1.745	2.680	8.5	20.3
3 2	9 29.65	+33 28.7	1.800	2.690	11.4	20.5
3 12	9 23.35	+33 37.6	1.879	2.699	14.3	20.7
3 22	9 19.65	+33 24.2	1.976	2.708	16.8	20.9

519591 2012 TF_{328} 2 13.5 173°.78 3°.4/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.91	− 0 13.2	2.526	3.309	11.8	22.0
1 22	10 0.19	− 0 4.1	2.440	3.310	9.3	21.9
2 1	9 53.96	+ 0 20.4	2.378	3.311	6.5	21.7
2 11	9 46.78	+ 0 58.5	2.344	3.311	4.0	21.5
2 21	9 39.33	+ 1 47.2	2.340	3.312	3.7	21.5
3 2	9 32.37	+ 2 42.3	2.365	3.312	6.0	21.6
3 12	9 26.56	+ 3 38.7	2.418	3.312	8.8	21.8
3 22	9 22.41	+ 4 32.3	2.496	3.312	11.4	22.0

341805 2007 XT_{35} 2 13.5 132°.91 4°.1/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.74	− 3 8.2	2.912	3.668	11.0	21.7
1 22	10 1.26	− 3 18.6	2.834	3.682	8.9	21.6
2 1	9 54.46	− 3 14.9	2.781	3.695	6.5	21.5
2 11	9 46.87	− 2 57.9	2.755	3.708	4.6	21.3
2 21	9 39.10	− 2 29.6	2.760	3.721	4.2	21.3
3 2	9 31.81	− 1 53.0	2.795	3.733	5.7	21.4
3 12	9 25.59	− 1 12.1	2.859	3.744	7.9	21.6
3 22	9 20.86	− 0 30.6	2.948	3.755	10.1	21.8

473864 2016 EG_{134} 2 13.5 229°.11 1°.3/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.58	+15 48.2	2.045	2.884	12.1	21.5
1 22	10 3.94	+16 18.3	1.964	2.879	8.8	21.3
2 1	9 56.26	+16 54.6	1.909	2.874	5.0	21.0
2 11	9 47.26	+17 32.0	1.883	2.868	1.5	20.8
2 21	9 37.90	+18 5.5	1.886	2.862	3.9	20.9
3 2	9 29.22	+18 30.6	1.918	2.856	7.8	21.1
3 12	9 22.15	+18 44.4	1.976	2.850	11.4	21.4
3 22	9 17.31	+18 46.3	2.057	2.844	14.5	21.6

8624 Kaleycuoco 2 13.5 262°.64 3°.2/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.35	+ 0 44.6	2.398	3.189	12.1	18.9
1 22	9 59.88	+ 0 57.5	2.310	3.187	9.5	18.8
2 1	9 53.83	+ 1 26.1	2.247	3.184	6.5	18.6
2 11	9 46.77	+ 2 8.5	2.211	3.181	3.9	18.4
2 21	9 39.41	+ 3 1.3	2.204	3.179	3.6	18.4
3 2	9 32.53	+ 3 59.9	2.227	3.176	6.1	18.5
3 12	9 26.87	+ 4 59.0	2.277	3.173	9.2	18.7
3 22	9 22.92	+ 5 54.1	2.352	3.171	11.9	18.9

383657 2007 TR_{102} 2 13.5 118°.25 0°.6/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 6.77	+13 30.3	2.552	3.381	10.3	21.7
1 22	10 1.45	+14 8.1	2.485	3.395	7.4	21.6
2 1	9 54.63	+14 52.3	2.446	3.408	4.2	21.4
2 11	9 46.91	+15 38.7	2.435	3.421	0.9	21.1
2 21	9 39.03	+16 23.0	2.456	3.434	2.9	21.3
3 2	9 31.73	+17 1.3	2.507	3.446	6.2	21.6
3 12	9 25.70	+17 30.9	2.585	3.458	9.1	21.8
3 22	9 21.37	+17 50.5	2.687	3.470	11.6	22.0

315577 Carmenchu 2 13.5 30°.35 2°.0/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.09	+15 44.1	1.487	2.342	14.9	20.4
1 22	10 4.09	+16 31.0	1.424	2.346	10.8	20.2
2 1	9 56.52	+17 27.1	1.384	2.350	6.1	19.9
2 11	9 47.33	+18 24.6	1.370	2.355	2.1	19.7
2 21	9 37.78	+19 15.5	1.384	2.360	5.0	19.9
3 2	9 29.25	+19 53.4	1.424	2.365	9.7	20.2
3 12	9 22.89	+20 14.7	1.488	2.371	13.9	20.4
3 22	9 19.34	+20 19.0	1.572	2.377	17.5	20.7

27381 Balasingam 2 13.5 322°.89 2°.1/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.47	+ 5 57.4	1.657	2.484	15.1	18.6
1 22	10 2.75	+ 6 18.3	1.579	2.481	11.4	18.4
2 1	9 55.72	+ 6 56.7	1.524	2.479	7.1	18.1
2 11	9 47.18	+ 7 48.9	1.494	2.477	2.8	17.8
2 21	9 38.19	+ 8 48.9	1.493	2.474	3.6	17.9
3 2	9 29.97	+ 9 49.8	1.519	2.472	8.1	18.1
3 12	9 23.57	+10 44.9	1.571	2.470	12.3	18.4
3 22	9 19.67	+11 29.5	1.644	2.468	16.0	18.6

398573 2011 WP_{35} 2 13.5 131°.34 4°.4/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.71	+22 13.5	1.724	2.575	13.4	21.2
1 22	10 6.47	+23 22.5	1.666	2.585	9.8	21.0
2 1	9 57.77	+24 32.9	1.633	2.594	6.1	20.8
2 11	9 47.57	+25 36.1	1.628	2.603	4.4	20.7
2 21	9 37.09	+26 24.2	1.652	2.611	6.6	20.9
3 2	9 27.64	+26 52.7	1.703	2.619	10.3	21.1
3 12	9 20.29	+27 0.5	1.778	2.626	13.7	21.3
3 22	9 15.65	+26 49.5	1.872	2.634	16.7	21.6

387000 2012 RZ_2 2 13.5 83°.83 0°.7/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.50	+14 55.2	2.370	3.201	11.0	21.2
1 22	10 3.41	+15 13.7	2.313	3.223	7.9	21.0
2 1	9 55.72	+15 37.0	2.283	3.246	4.4	20.8
2 11	9 47.13	+16 1.2	2.283	3.268	1.0	20.6
2 21	9 38.47	+16 22.6	2.313	3.290	3.1	20.8
3 2	9 30.55	+16 38.1	2.372	3.312	6.4	21.1
3 12	9 24.09	+16 45.8	2.460	3.334	9.5	21.3
3 22	9 19.51	+16 44.9	2.571	3.355	12.0	21.5

133359 2003 SC_{128} 2 13.5 99°.02 0°.1/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.16	+11 43.0	2.158	2.988	11.9	20.2
1 22	10 2.66	+12 12.0	2.093	3.002	8.7	20.0
2 1	9 55.40	+12 49.7	2.054	3.015	4.9	19.8
2 11	9 47.09	+13 31.6	2.043	3.029	1.0	19.5
2 21	9 38.58	+14 13.1	2.062	3.042	3.0	19.7
3 2	9 30.80	+14 49.7	2.110	3.055	6.8	20.0
3 12	9 24.52	+15 18.0	2.186	3.068	10.1	20.2
3 22	9 20.24	+15 36.4	2.284	3.080	13.0	20.4

121060 1999 CH_{111} 2 13.5 352°.05 1°.8/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.35	+ 8 4.2	1.074	1.935	18.9	19.1
1 22	10 2.13	+ 8 13.5	1.007	1.928	14.2	18.7
2 1	9 55.75	+ 8 44.4	0.959	1.922	8.7	18.4
2 11	9 47.23	+ 9 32.2	0.933	1.918	2.9	18.1
2 21	9 38.08	+10 28.6	0.932	1.915	4.6	18.2
3 2	9 30.04	+11 24.1	0.953	1.913	10.5	18.5
3 12	9 24.61	+12 9.9	0.996	1.912	16.0	18.8
3 22	9 22.61	+12 40.7	1.057	1.913	20.6	19.0

53369 1999 JQ_{81} 2 13.5 284°.54 2°.9/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.21	+16 26.3	1.524	2.379	14.7	19.0
1 22	10 4.56	+17 39.4	1.433	2.356	10.7	18.7
2 1	9 57.07	+19 5.5	1.366	2.332	6.2	18.4
2 11	9 47.52	+20 35.5	1.325	2.308	2.9	18.1
2 21	9 37.10	+21 59.2	1.312	2.284	6.1	18.3
3 2	9 27.33	+23 7.0	1.326	2.260	11.0	18.5
3 12	9 19.62	+23 53.4	1.363	2.235	15.7	18.7
3 22	9 14.91	+24 16.7	1.419	2.211	19.7	18.9

155604 2000 DP_{20} 2 13.5 36°.43 1°.4/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.02	+ 9 20.9	1.314	2.157	17.3	19.8
1 22	10 6.48	+ 9 22.1	1.247	2.159	12.9	19.5
2 1	9 58.02	+ 9 38.8	1.201	2.162	7.7	19.2
2 11	9 47.67	+10 6.7	1.180	2.165	2.4	18.9
2 21	9 36.85	+10 39.6	1.185	2.167	4.2	19.0
3 2	9 27.16	+11 10.9	1.217	2.170	9.6	19.3
3 12	9 19.91	+11 35.0	1.272	2.174	14.4	19.6
3 22	9 15.84	+11 48.6	1.347	2.177	18.5	19.9

171964 2001 TV_{87} 2 13.5 85°.02 4°.1/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 5.63	− 0 59.4	2.317	3.099	12.8	19.9
1 22	10 0.80	− 1 2.9	2.238	3.106	10.1	19.8
2 1	9 54.34	− 0 50.0	2.184	3.113	7.2	19.6
2 11	9 46.89	− 0 21.9	2.156	3.120	4.7	19.4
2 21	9 39.19	+ 0 18.5	2.157	3.127	4.3	19.4
3 2	9 32.05	+ 1 6.7	2.187	3.133	6.5	19.6
3 12	9 26.21	+ 1 57.8	2.245	3.140	9.3	19.8
3 22	9 22.15	+ 2 47.1	2.326	3.147	12.0	19.9

204577 2005 GC_{11} 2 13.5 281°.62 2°.1/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.06	+16 49.2	2.146	2.991	11.4	20.3
1 22	10 1.36	+17 48.0	2.068	2.986	8.2	20.1
2 1	9 54.78	+18 53.5	2.016	2.981	4.7	19.9
2 11	9 47.00	+19 59.5	1.993	2.976	2.1	19.7
2 21	9 38.86	+20 59.8	2.000	2.971	4.3	19.9
3 2	9 31.31	+21 49.3	2.035	2.966	7.9	20.1
3 12	9 25.23	+22 24.4	2.096	2.961	11.3	20.3
3 22	9 21.18	+22 44.4	2.179	2.956	14.1	20.4

86665 2000 FD_{10} 2 13.5 249°.71 2°.9/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.90	+18 9.3	1.554	2.405	14.7	19.8
1 22	10 7.03	+18 54.2	1.474	2.394	10.7	19.5
2 1	9 58.35	+19 45.9	1.419	2.384	6.2	19.2
2 11	9 47.75	+20 36.7	1.390	2.372	2.9	19.0
2 21	9 36.55	+21 18.5	1.389	2.361	5.7	19.1
3 2	9 26.23	+21 45.2	1.415	2.349	10.4	19.4
3 12	9 18.13	+21 53.8	1.465	2.337	14.8	19.6
3 22	9 13.04	+21 44.8	1.534	2.325	18.5	19.8

30658 4042 T-$_1$ 2 13.5 296°.10 7°.1/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 14.66	+30 10.3	1.657	2.509	13.8	18.3
1 22	10 8.27	+31 5.3	1.587	2.499	10.7	18.1
2 1	9 59.00	+31 54.0	1.542	2.489	8.0	17.9
2 11	9 47.87	+32 26.7	1.523	2.479	7.2	17.8
2 21	9 36.28	+32 36.1	1.530	2.469	9.1	17.9
3 2	9 25.81	+32 19.1	1.563	2.460	12.4	18.1
3 12	9 17.72	+31 37.5	1.619	2.450	15.7	18.3
3 22	9 12.76	+30 35.8	1.693	2.441	18.6	18.4

414810 2010 TQ_{25} 2 13.5 226°.74 1°.6/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.98	+ 7 13.9	1.920	2.738	13.6	22.1
1 22	10 4.39	+ 7 31.1	1.830	2.730	10.3	21.9
2 1	9 56.62	+ 8 2.5	1.765	2.720	6.3	21.6
2 11	9 47.39	+ 8 44.6	1.728	2.711	2.3	21.3
2 21	9 37.67	+ 9 32.6	1.720	2.701	3.3	21.4
3 2	9 28.57	+10 20.8	1.741	2.690	7.5	21.6
3 12	9 21.10	+11 4.0	1.788	2.679	11.5	21.8
3 22	9 15.96	+11 38.5	1.858	2.667	15.0	22.0

406024 2006 TR_{63} 2 13.5 139°.01 0°.2/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.85	+10 14.2	2.096	2.920	12.5	22.0
1 22	10 3.97	+10 55.0	2.027	2.932	9.1	21.8
2 1	9 56.20	+11 46.5	1.984	2.944	5.2	21.6
2 11	9 47.29	+12 43.9	1.969	2.955	1.1	21.3
2 21	9 38.13	+13 41.5	1.985	2.966	3.1	21.5
3 2	9 29.70	+14 34.1	2.031	2.975	7.0	21.7
3 12	9 22.83	+15 17.4	2.104	2.985	10.5	22.0
3 22	9 18.08	+15 49.3	2.200	2.993	13.5	22.2

168291 3041 P–L 2 13.5 159°.99 3°.0/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.04	− 0 5.0	3.094	3.864	10.1	21.6
1 22	10 0.74	+ 0 1.4	3.009	3.872	7.9	21.5
2 1	9 54.19	+ 0 20.0	2.950	3.879	5.6	21.3
2 11	9 46.88	+ 0 49.5	2.920	3.886	3.5	21.2
2 21	9 39.37	+ 1 27.4	2.921	3.892	3.2	21.2
3 2	9 32.28	+ 2 10.5	2.953	3.897	5.1	21.3
3 12	9 26.17	+ 2 55.2	3.014	3.902	7.5	21.5
3 22	9 21.45	+ 3 38.2	3.101	3.906	9.7	21.7

408426 2013 HX_3 2 13.5 29°.14 5°.5/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.17	+22 28.5	1.273	2.142	16.0	20.5
1 22	10 5.28	+23 45.3	1.221	2.148	11.7	20.3
2 1	9 57.36	+25 4.5	1.192	2.155	7.4	20.1
2 11	9 47.55	+26 14.3	1.188	2.162	5.5	20.0
2 21	9 37.40	+27 4.6	1.209	2.170	8.2	20.2
3 2	9 28.56	+27 29.6	1.255	2.178	12.5	20.4
3 12	9 22.34	+27 28.4	1.322	2.187	16.5	20.7
3 22	9 19.40	+27 4.4	1.407	2.196	19.9	20.9

28255 1999 BB_{24} 2 13.5 175°.66 1°.3/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.92	+ 7 10.9	1.806	2.626	14.3	18.5
1 22	10 5.09	+ 7 42.6	1.728	2.628	10.7	18.3
2 1	9 57.01	+ 8 29.9	1.674	2.630	6.5	18.0
2 11	9 47.48	+ 9 28.2	1.648	2.632	2.1	17.7
2 21	9 37.54	+10 31.4	1.651	2.632	3.4	17.8
3 2	9 28.37	+11 32.8	1.683	2.632	7.8	18.1
3 12	9 20.98	+12 26.6	1.742	2.632	11.9	18.3
3 22	9 16.04	+13 9.1	1.823	2.630	15.3	18.5

500932 2013 PZ_{50} 2 13.5 203°.17 2°.3/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 7.69	+17 29.7	2.370	3.209	10.7	22.4
1 22	10 2.43	+18 42.0	2.290	3.205	7.7	22.2
2 1	9 55.37	+20 0.5	2.237	3.200	4.4	22.0
2 11	9 47.15	+21 18.7	2.214	3.195	2.3	21.8
2 21	9 38.55	+22 30.4	2.222	3.189	4.4	21.9
3 2	9 30.49	+23 30.3	2.260	3.183	7.7	22.1
3 12	9 23.78	+24 15.3	2.324	3.177	10.8	22.3
3 22	9 18.99	+24 44.4	2.411	3.169	13.4	22.5

281867 2010 DR_{41} 2 13.5 87°.73 1°.0/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.97	+ 8 0.2	2.179	2.999	12.2	20.8
1 22	10 1.79	+ 8 28.8	2.114	3.015	9.0	20.6
2 1	9 54.92	+ 9 8.8	2.074	3.031	5.4	20.4
2 11	9 47.03	+ 9 56.5	2.063	3.047	1.7	20.2
2 21	9 38.97	+10 47.1	2.081	3.062	2.8	20.3
3 2	9 31.59	+11 35.7	2.129	3.078	6.4	20.6
3 12	9 25.65	+12 18.0	2.204	3.093	9.8	20.8
3 22	9 21.64	+12 51.4	2.303	3.108	12.6	21.0

358476 2007 PT_{20} 2 13.5 142°.29 0°.2/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.05	+10 8.3	1.893	2.719	13.5	21.9
1 22	10 5.02	+10 50.7	1.824	2.731	9.8	21.7
2 1	9 56.88	+11 45.2	1.781	2.741	5.7	21.5
2 11	9 47.45	+12 46.4	1.766	2.751	1.2	21.2
2 21	9 37.73	+13 47.9	1.781	2.761	3.3	21.4
3 2	9 28.83	+14 43.5	1.825	2.770	7.6	21.7
3 12	9 21.68	+15 28.8	1.895	2.778	11.4	21.9
3 22	9 16.87	+16 1.5	1.988	2.785	14.6	22.1

226791 2004 RH_{177} 2 13.5 142°.47 2°.8/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.38	+ 3 56.7	2.172	2.973	12.9	20.6
1 22	10 3.60	+ 3 51.7	2.094	2.979	9.9	20.4
2 1	9 56.00	+ 4 0.2	2.041	2.986	6.5	20.2
2 11	9 47.27	+ 4 20.4	2.016	2.992	3.4	20.0
2 21	9 38.27	+ 4 49.1	2.021	2.998	3.5	20.1
3 2	9 29.92	+ 5 22.1	2.055	3.003	6.6	20.3
3 12	9 23.05	+ 5 55.0	2.116	3.009	9.9	20.5
3 22	9 18.18	+ 6 24.1	2.202	3.013	12.9	20.7

238011 2002 TE_{262} 2 13.5 50°.67 6°.2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.64	+29 46.5	1.857	2.707	12.7	20.3
1 22	10 6.20	+30 37.0	1.814	2.725	9.6	20.1
2 1	9 57.50	+31 20.4	1.797	2.744	7.0	20.0
2 11	9 47.55	+31 49.1	1.807	2.763	6.2	20.0
2 21	9 37.56	+31 58.1	1.844	2.783	7.9	20.1
3 2	9 28.74	+31 45.8	1.908	2.803	10.6	20.3
3 12	9 22.02	+31 13.7	1.996	2.823	13.3	20.5
3 22	9 17.90	+30 25.7	2.103	2.843	15.7	20.7

194191 2001 TG_{75} 2 13.5 78°.95 0°.9/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.84	+ 8 41.2	1.407	2.244	16.8	20.9
1 22	10 6.65	+ 9 12.7	1.359	2.268	12.3	20.7
2 1	9 57.89	+10 0.0	1.332	2.293	7.2	20.5
2 11	9 47.65	+10 57.0	1.332	2.317	1.9	20.2
2 21	9 37.29	+11 55.8	1.359	2.341	3.8	20.4
3 2	9 28.18	+12 49.0	1.414	2.365	8.8	20.7
3 12	9 21.42	+13 31.2	1.493	2.388	13.1	21.0
3 22	9 17.54	+13 59.8	1.593	2.411	16.7	21.3

432904 2011 PB_{4} 2 13.5 226°.43 0°.3/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.18	+12 22.1	2.878	3.700	9.5	22.5
1 22	10 1.05	+12 57.4	2.783	3.689	6.9	22.3
2 1	9 54.48	+13 39.7	2.715	3.676	3.9	22.1
2 11	9 46.97	+14 25.7	2.678	3.664	0.8	21.8
2 21	9 39.16	+15 11.5	2.672	3.651	2.6	21.9
3 2	9 31.73	+15 53.4	2.696	3.637	5.7	22.1
3 12	9 25.34	+16 28.2	2.750	3.623	8.6	22.3
3 22	9 20.48	+16 54.3	2.827	3.608	11.1	22.4

142873 2002 VJ_{34} 2 13.5 115°.58 2°.1/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.30	+ 4 59.2	2.084	2.890	13.2	21.1
1 22	10 4.22	+ 5 20.6	2.020	2.910	9.9	20.9
2 1	9 56.31	+ 5 56.2	1.980	2.930	6.2	20.7
2 11	9 47.33	+ 6 42.5	1.969	2.949	2.7	20.5
2 21	9 38.17	+ 7 34.7	1.988	2.968	3.2	20.6
3 2	9 29.79	+ 8 27.5	2.037	2.986	6.6	20.8
3 12	9 22.99	+ 9 16.0	2.113	3.003	10.1	21.1
3 22	9 18.27	+ 9 56.8	2.213	3.020	13.0	21.3

95870 2003 GE_{34} 2 13.5 223°.51 5°.9/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.36	+27 20.1	2.014	2.866	11.7	19.6
1 22	10 4.04	+28 57.1	1.948	2.862	8.9	19.4
2 1	9 56.46	+30 32.6	1.908	2.857	6.5	19.3
2 11	9 47.40	+31 57.6	1.897	2.852	6.1	19.2
2 21	9 37.89	+33 4.1	1.914	2.847	8.0	19.3
3 2	9 29.11	+33 47.2	1.957	2.842	10.9	19.5
3 12	9 22.10	+34 6.0	2.025	2.836	13.7	19.7
3 22	9 17.54	+34 2.6	2.111	2.831	16.2	19.9

362128 2009 DC_{29} 2 13.5 25°.69 0°.6/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 6.66	+ 9 20.2	1.125	1.985	18.4	20.4
1 22	10 2.78	+ 9 55.6	1.072	1.995	13.5	20.1
2 1	9 55.95	+10 50.7	1.040	2.006	7.9	19.9
2 11	9 47.30	+11 57.8	1.032	2.018	1.9	19.5
2 21	9 38.32	+13 7.1	1.048	2.031	4.4	19.7
3 2	9 30.62	+14 8.8	1.089	2.045	10.1	20.1
3 12	9 25.47	+14 55.9	1.152	2.060	15.1	20.4
3 22	9 23.50	+15 25.1	1.234	2.076	19.2	20.7

56779 2000 OH_{41} 2 13.5 296°.16 7°.1/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.93	− 6 34.0	1.789	2.559	16.5	19.2
1 22	10 1.63	− 6 50.7	1.697	2.547	13.7	19.0
2 1	9 55.14	− 6 42.2	1.626	2.536	10.6	18.7
2 11	9 47.15	− 6 7.4	1.578	2.525	7.9	18.6
2 21	9 38.61	− 5 8.6	1.557	2.515	7.1	18.5
3 2	9 30.65	− 3 51.5	1.562	2.504	8.9	18.6
3 12	9 24.30	− 2 24.6	1.593	2.494	12.1	18.7
3 22	9 20.29	− 0 56.5	1.646	2.483	15.4	18.9

165079 2000 GG_{17} 2 13.5 0°.71 3°.4/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.68	+ 0 41.8	2.058	2.856	13.6	20.0
1 22	10 0.36	+ 1 2.4	1.975	2.856	10.6	19.8
2 1	9 54.23	+ 1 41.6	1.916	2.856	7.2	19.6
2 11	9 46.94	+ 2 37.1	1.883	2.856	4.1	19.4
2 21	9 39.32	+ 3 44.2	1.880	2.856	3.9	19.4
3 2	9 32.27	+ 4 57.1	1.905	2.856	6.8	19.6
3 12	9 26.64	+ 6 9.0	1.956	2.857	10.2	19.8
3 22	9 22.98	+ 7 14.6	2.032	2.857	13.3	20.0

102710 1999 VM_{91} 2 13.5 94°.40 2°.9/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.23	+ 3 41.2	1.650	2.466	15.6	20.2
1 22	10 3.92	+ 3 59.3	1.583	2.477	11.9	20.0
2 1	9 56.34	+ 4 36.6	1.539	2.489	7.7	19.8
2 11	9 47.37	+ 5 29.3	1.522	2.500	3.7	19.5
2 21	9 38.09	+ 6 31.7	1.532	2.512	3.9	19.6
3 2	9 29.71	+ 7 36.5	1.570	2.523	7.9	19.8
3 12	9 23.22	+ 8 36.7	1.634	2.534	11.9	20.1
3 22	9 19.23	+ 9 27.6	1.720	2.544	15.4	20.4

32203 2000 OF_{3} 2 13.5 87°.12 3°.4/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.12	+ 3 42.1	1.900	2.703	14.4	18.2
1 22	10 5.66	+ 3 21.2	1.837	2.722	11.0	18.0
2 1	9 57.18	+ 3 15.1	1.798	2.742	7.3	17.8
2 11	9 47.52	+ 3 22.1	1.787	2.761	4.0	17.6
2 21	9 37.69	+ 3 39.3	1.804	2.780	4.1	17.7
3 2	9 28.74	+ 4 2.5	1.851	2.799	7.3	17.9
3 12	9 21.56	+ 4 26.9	1.924	2.817	10.7	18.1
3 22	9 16.69	+ 4 48.7	2.020	2.835	13.8	18.4

295164 2008 FM_{67} 2 13.5 343°.53 5°.7/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.69	+23 23.5	1.212	2.088	16.1	20.0
1 22	10 3.83	+24 17.3	1.145	2.075	12.0	19.7
2 1	9 56.75	+25 13.2	1.099	2.063	7.7	19.4
2 11	9 47.50	+26 0.3	1.076	2.052	5.7	19.3
2 21	9 37.64	+26 28.6	1.078	2.042	8.5	19.4
3 2	9 28.93	+26 32.2	1.104	2.034	13.1	19.6
3 12	9 22.89	+26 10.0	1.149	2.028	17.5	19.9
3 22	9 20.30	+25 25.3	1.212	2.022	21.4	20.1

108595 2001 MM_{15} 2 13.5 63°.12 5°.4/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.96	+21 56.6	1.240	2.107	16.5	18.8
1 22	10 7.26	+23 15.7	1.196	2.122	12.0	18.5
2 1	9 58.45	+24 36.9	1.174	2.137	7.5	18.3
2 11	9 47.79	+25 48.0	1.177	2.152	5.4	18.3
2 21	9 36.93	+26 38.9	1.206	2.168	8.1	18.5
3 2	9 27.54	+27 4.2	1.260	2.184	12.4	18.7
3 12	9 20.93	+27 3.6	1.335	2.200	16.4	19.0
3 22	9 17.68	+26 40.7	1.428	2.216	19.8	19.3

501999 2015 AN_{30} 2 13.5 65°.88 1°.2/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.14	+ 8 33.5	1.942	2.768	13.2	21.6
1 22	10 2.92	+ 8 46.0	1.866	2.770	9.8	21.4
2 1	9 55.72	+ 9 10.6	1.815	2.772	5.9	21.2
2 11	9 47.25	+ 9 43.9	1.791	2.775	1.9	20.9
2 21	9 38.47	+10 21.1	1.796	2.777	3.1	21.0
3 2	9 30.40	+10 57.4	1.829	2.779	7.2	21.3
3 12	9 23.94	+11 28.5	1.889	2.782	10.9	21.5
3 22	9 19.67	+11 51.4	1.972	2.784	14.1	21.7

358531 2007 TU_{25} 2 13.5 197°.12 0°.3/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.26	+10 29.7	1.993	2.818	13.0	22.4
1 22	10 5.24	+11 1.0	1.910	2.815	9.5	22.2
2 1	9 57.09	+11 43.6	1.851	2.811	5.6	21.9
2 11	9 47.54	+12 32.9	1.822	2.807	1.2	21.6
2 21	9 37.59	+13 23.4	1.822	2.802	3.3	21.8
3 2	9 28.29	+14 9.7	1.852	2.796	7.5	22.0
3 12	9 20.64	+14 47.3	1.908	2.790	11.4	22.2
3 22	9 15.28	+15 13.8	1.987	2.783	14.7	22.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
49386 1998 XH_{12}			2 13.5 313°.69		3°.3/11.1 18	
	h m	° ′			°	m
1 12	10 8.69	+18 46.5	1.535	2.394	14.3	17.9
1 22	10 4.00	+19 42.7	1.458	2.382	10.4	17.7
2 1	9 56.64	+20 46.1	1.406	2.371	6.1	17.4
2 11	9 47.48	+21 48.2	1.379	2.360	3.3	17.2
2 21	9 37.76	+22 40.4	1.380	2.350	6.1	17.3
3 2	9 28.88	+23 16.1	1.407	2.340	10.6	17.6
3 12	9 22.12	+23 32.0	1.457	2.330	14.8	17.8
3 22	9 18.23	+23 28.2	1.526	2.321	18.4	18.0
496533 2014 WK_{145}			2 13.5 186°.09		5°.5/ 8.9 18	
1 12	10 14.25	+28 39.5	2.136	2.977	11.6	20.8
1 22	10 7.37	+29 37.9	2.069	2.977	8.8	20.6
2 1	9 58.27	+30 32.0	2.029	2.976	6.3	20.5
2 11	9 47.77	+31 14.1	2.018	2.975	5.6	20.4
2 21	9 36.97	+31 38.6	2.036	2.974	7.3	20.5
3 2	9 27.04	+31 42.6	2.081	2.971	10.0	20.7
3 12	9 18.97	+31 26.4	2.151	2.969	12.8	20.9
3 22	9 13.38	+30 53.0	2.241	2.965	15.3	21.1
220455 2003 YQ_{163}			2 13.5 97°.56		2°.7/11.9 18	
1 12	10 14.71	+16 48.8	1.308	2.163	16.6	21.0
1 22	10 8.38	+17 41.7	1.256	2.178	11.9	20.8
2 1	9 59.06	+18 42.8	1.226	2.192	6.8	20.6
2 11	9 47.93	+19 42.5	1.222	2.206	2.7	20.3
2 21	9 36.56	+20 31.6	1.246	2.220	5.8	20.6
3 2	9 26.56	+21 3.8	1.295	2.233	10.8	20.9
3 12	9 19.20	+21 16.6	1.367	2.246	15.2	21.2
3 22	9 15.12	+21 11.2	1.459	2.259	18.8	21.5
99755 2002 JZ_{88}			2 13.5 149°.37		0°.6/13.9 18	
1 12	10 10.53	+ 9 35.6	1.740	2.570	14.3	20.5
1 22	10 4.85	+10 3.3	1.667	2.575	10.5	20.2
2 1	9 56.90	+10 44.3	1.619	2.579	6.2	20.0
2 11	9 47.50	+11 33.6	1.598	2.584	1.6	19.7
2 21	9 37.75	+12 25.1	1.606	2.587	3.4	19.8
3 2	9 28.83	+13 12.7	1.643	2.591	8.0	20.1
3 12	9 21.78	+13 51.4	1.705	2.594	12.1	20.4
3 22	9 17.22	+14 18.6	1.789	2.597	15.5	20.6
401218 2011 YW_{57}			2 13.5 132°.70		2°.0/14.9 18	
1 12	10 12.21	+ 6 39.5	1.950	2.762	13.7	21.1
1 22	10 5.77	+ 6 44.4	1.880	2.775	10.3	20.9
2 1	9 57.29	+ 7 2.2	1.835	2.787	6.4	20.7
2 11	9 47.57	+ 7 30.1	1.818	2.799	2.6	20.5
2 21	9 37.61	+ 8 3.8	1.831	2.811	3.3	20.6
3 2	9 28.46	+ 8 38.4	1.873	2.822	7.1	20.8
3 12	9 21.04	+ 9 9.6	1.942	2.832	10.8	21.1
3 22	9 15.91	+ 9 34.2	2.034	2.841	14.0	21.3
491801 2012 XF_{62}			2 13.5 320°.51		0°.3/13.3 18	
1 12	10 8.56	+10 7.5	1.305	2.156	16.9	21.4
1 22	10 4.12	+11 5.4	1.234	2.153	12.4	21.2
2 1	9 56.80	+12 22.6	1.185	2.150	7.1	20.9
2 11	9 47.53	+13 51.4	1.162	2.148	1.4	20.5
2 21	9 37.67	+15 21.0	1.164	2.145	4.6	20.7
3 2	9 28.78	+16 41.2	1.193	2.143	10.2	21.0
3 12	9 22.24	+17 44.0	1.245	2.141	15.1	21.3
3 22	9 18.82	+18 26.3	1.316	2.139	19.3	21.5
198511 2004 XK_{84}			2 13.5 298°.14		3°.9/16.5 18	
1 12	10 6.93	+ 1 25.1	1.971	2.772	14.0	20.1
1 22	10 2.11	+ 1 18.0	1.884	2.765	11.0	19.9
2 1	9 55.31	+ 1 28.0	1.820	2.759	7.6	19.6
2 11	9 47.21	+ 1 53.8	1.782	2.753	4.6	19.5
2 21	9 38.68	+ 2 32.3	1.773	2.747	4.4	19.4
3 2	9 30.75	+ 3 18.5	1.792	2.741	7.3	19.6
3 12	9 24.32	+ 4 6.7	1.837	2.736	10.8	19.8
3 22	9 20.03	+ 4 51.8	1.905	2.730	14.1	20.0
275206 2009 WG_{170}			2 13.5 347°.07		2°.8/15.4 18	
1 12	10 8.67	+ 5 36.2	1.784	2.604	14.5	20.3
1 22	10 3.50	+ 5 22.2	1.705	2.601	11.1	20.0
2 1	9 56.15	+ 5 22.6	1.648	2.599	7.2	19.8
2 11	9 47.38	+ 5 35.5	1.618	2.597	3.5	19.6
2 21	9 38.21	+ 5 57.3	1.616	2.595	3.9	19.6
3 2	9 29.77	+ 6 23.7	1.642	2.594	7.7	19.8
3 12	9 23.06	+ 6 49.6	1.693	2.592	11.6	20.0
3 22	9 18.74	+ 7 11.1	1.767	2.592	15.0	20.2
194315 2001 UQ_{98}			2 13.5 152°.68		6°.9/ 8.4 18	
1 12	10 16.55	+29 25.4	1.747	2.594	13.5	21.6
1 22	10 9.42	+30 45.0	1.693	2.602	10.3	21.4
2 1	9 59.57	+31 58.8	1.664	2.609	7.6	21.2
2 11	9 48.07	+32 56.7	1.662	2.616	7.0	21.2
2 21	9 36.27	+33 31.3	1.688	2.622	8.9	21.3
3 2	9 25.63	+33 39.3	1.741	2.627	11.9	21.5
3 12	9 17.35	+33 22.2	1.816	2.632	14.9	21.7
3 22	9 12.06	+32 44.3	1.911	2.636	17.5	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
49423 1998 XR_{77}			2 13.5 97°.49		2°.9/11.1 18	R
	h m	° ′			°	m
1 12	10 12.54	+18 55.5	1.908	2.750	12.7	19.4
1 22	10 5.99	+19 59.6	1.861	2.777	9.1	19.2
2 1	9 57.38	+21 6.9	1.840	2.803	5.3	19.0
2 11	9 47.60	+22 9.8	1.849	2.829	2.9	18.9
2 21	9 37.71	+23 2.0	1.887	2.853	5.1	19.1
3 2	9 28.83	+23 38.8	1.953	2.878	8.6	19.3
3 12	9 21.83	+23 58.9	2.045	2.901	11.9	19.6
3 22	9 17.23	+24 3.0	2.159	2.924	14.6	19.8
280840 2005 UF_{161}			2 13.5 129°.41		0°.9/12.8 18	
1 12	10 12.71	+12 11.1	1.688	2.524	14.4	21.6
1 22	10 6.43	+13 10.1	1.627	2.539	10.4	21.3
2 1	9 57.79	+14 20.8	1.591	2.554	5.9	21.1
2 11	9 47.71	+15 35.8	1.583	2.569	1.2	20.8
2 21	9 37.36	+16 47.3	1.604	2.582	4.1	21.1
3 2	9 27.99	+17 48.1	1.654	2.595	8.6	21.4
3 12	9 20.63	+18 33.9	1.730	2.607	12.6	21.6
3 22	9 15.90	+19 3.4	1.827	2.618	15.9	21.9
411939 2012 GV_{21}			2 13.5 23°.73		3°.2/11.4 18	
1 12	10 9.06	+18 43.7	1.437	2.298	15.0	20.5
1 22	10 4.18	+19 32.6	1.379	2.304	10.8	20.3
2 1	9 56.65	+20 27.1	1.344	2.310	6.3	20.0
2 11	9 47.49	+21 18.7	1.335	2.317	3.2	19.9
2 21	9 38.03	+21 59.6	1.353	2.325	5.9	20.1
3 2	9 29.67	+22 24.1	1.397	2.333	10.3	20.3
3 12	9 23.57	+22 30.0	1.464	2.342	14.4	20.6
3 22	9 20.36	+22 18.2	1.550	2.351	17.9	20.8
219408 2000 SF_{237}			2 13.5 157°.97		6°.4/ 8.8 18	
1 12	10 15.04	+30 41.2	1.937	2.781	12.5	19.8
1 22	10 8.11	+31 29.9	1.876	2.783	9.6	19.6
2 1	9 58.74	+32 11.6	1.840	2.784	7.2	19.5
2 11	9 47.90	+32 38.2	1.832	2.785	6.5	19.4
2 21	9 36.83	+32 44.4	1.851	2.786	8.1	19.5
3 2	9 26.82	+32 28.0	1.897	2.787	10.9	19.7
3 12	9 18.92	+31 50.7	1.967	2.788	13.7	19.9
3 22	9 13.73	+30 56.3	2.058	2.789	16.3	20.1
429931 2012 TF_{274}			2 13.5 115°.75		4°.5/ 9.3 17	
1 12	10 9.26	+26 44.3	2.363	3.208	10.5	21.0
1 22	10 3.55	+27 34.5	2.300	3.212	7.8	20.8
2 1	9 56.00	+28 22.0	2.263	3.216	5.4	20.6
2 11	9 47.34	+29 0.6	2.256	3.219	4.5	20.6
2 21	9 38.47	+29 25.8	2.277	3.223	6.1	20.7
3 2	9 30.33	+29 34.7	2.326	3.226	8.7	20.9
3 12	9 23.72	+29 26.9	2.401	3.229	11.3	21.0
3 22	9 19.16	+29 4.2	2.497	3.233	13.6	21.2
87450 2000 QB_{120}			2 13.5 69°.63		5°.4/18.5 18	
1 12	10 5.55	− 4 47.4	1.853	2.630	15.7	19.4
1 22	10 1.15	− 4 28.8	1.776	2.636	12.7	19.2
2 1	9 54.76	− 3 45.2	1.721	2.643	9.3	19.0
2 11	9 47.11	− 2 38.1	1.691	2.649	6.3	18.8
2 21	9 39.13	− 1 12.5	1.688	2.656	5.5	18.8
3 2	9 31.83	+ 0 24.1	1.714	2.663	7.7	18.9
3 12	9 26.12	+ 2 3.0	1.766	2.669	11.0	19.2
3 22	9 22.60	+ 3 36.4	1.842	2.676	14.1	19.4
261241 2005 UU_{51}			2 13.5 120°.79		1°.7/14.9 18	
1 12	10 9.47	+ 6 49.4	2.051	2.866	13.0	21.1
1 22	10 3.74	+ 7 4.0	1.981	2.878	9.7	20.9
2 1	9 56.13	+ 7 31.4	1.936	2.889	6.0	20.7
2 11	9 47.38	+ 8 8.2	1.918	2.900	2.3	20.5
2 21	9 38.39	+ 8 50.1	1.931	2.911	3.1	20.6
3 2	9 30.13	+ 9 32.0	1.972	2.922	6.8	20.8
3 12	9 23.44	+10 9.6	2.041	2.932	10.3	21.0
3 22	9 18.86	+10 39.8	2.133	2.942	13.4	21.3
503173 2015 GQ_{40}			2 13.5 8°.73		8°.1/22.7 17	
1 12	10 2.92	−15 2.1	2.153	2.861	15.8	20.7
1 22	9 59.10	−14 53.0	2.066	2.861	13.7	20.5
2 1	9 53.54	−14 15.3	1.998	2.863	11.3	20.4
2 11	9 46.86	−13 8.3	1.953	2.864	9.2	20.3
2 21	9 39.87	−11 34.6	1.935	2.866	8.1	20.2
3 2	9 33.42	− 9 40.3	1.943	2.868	8.7	20.2
3 12	9 28.33	− 7 34.2	1.979	2.870	10.6	20.3
3 22	9 25.14	− 5 25.8	2.041	2.873	13.0	20.5
163489 2002 SE_{11}			2 13.5 203°.86		0°.0/13.5 18	R
1 12	10 6.56	+11 11.9	2.323	3.150	11.3	20.2
1 22	10 1.58	+11 45.3	2.241	3.148	8.2	20.0
2 1	9 54.90	+12 28.0	2.185	3.147	4.7	19.8
2 11	9 47.14	+13 15.8	2.159	3.144	1.0	19.5
2 21	9 39.07	+14 4.2	2.162	3.142	2.9	19.7
3 2	9 31.55	+14 48.5	2.195	3.139	6.5	19.9
3 12	9 25.36	+15 25.0	2.255	3.137	9.9	20.1
3 22	9 21.02	+15 51.6	2.338	3.134	12.7	20.3

325516 2009 RF_{60} 2 13.5 187°.82 4°.0/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 7.96	− 2 34.3	2.636	3.398	11.9	22.4
1 22	10 2.41	− 2 28.6	2.543	3.398	9.5	22.2
2 1	9 55.32	− 2 6.9	2.475	3.396	6.9	22.0
2 11	9 47.22	− 1 30.1	2.435	3.394	4.6	21.9
2 21	9 38.82	− 0 41.0	2.425	3.391	4.2	21.9
3 2	9 30.87	+ 0 16.3	2.445	3.387	6.1	22.0
3 12	9 24.07	+ 1 16.9	2.494	3.383	8.8	22.1
3 22	9 18.94	+ 2 16.0	2.569	3.378	11.3	22.3

500195 2012 GJ_{36} 2 13.5 231°.79 6°.1/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.50	− 6 15.0	2.178	2.932	14.3	21.7
1 22	10 2.44	− 6 31.6	2.082	2.924	11.9	21.5
2 1	9 55.49	− 6 27.5	2.009	2.915	9.2	21.4
2 11	9 47.28	− 6 2.2	1.961	2.906	6.9	21.2
2 21	9 38.62	− 5 17.5	1.941	2.896	6.2	21.1
3 2	9 30.44	− 4 17.9	1.949	2.886	7.8	21.2
3 12	9 23.63	− 3 9.6	1.984	2.876	10.6	21.4
3 22	9 18.81	− 1 59.3	2.043	2.865	13.4	21.5

462916 2011 AM_{38} 2 13.5 250°.24 1°.4/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.09	+ 9 10.7	2.143	2.960	12.5	21.4
1 22	10 5.06	+ 9 4.6	2.048	2.947	9.3	21.1
2 1	9 57.01	+ 9 7.9	1.978	2.934	5.7	20.9
2 11	9 47.60	+ 9 18.4	1.936	2.920	2.0	20.6
2 21	9 37.73	+ 9 32.8	1.925	2.906	3.1	20.6
3 2	9 28.42	+ 9 47.5	1.943	2.891	7.0	20.9
3 12	9 20.59	+ 9 59.2	1.989	2.876	10.7	21.1
3 22	9 14.91	+10 5.6	2.057	2.861	14.0	21.2

348923 2006 TN_{27} 2 13.5 208°.76 4°.3/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.12	+29 13.5	3.103	3.938	8.5	21.8
1 22	10 3.18	+30 4.9	3.027	3.931	6.5	21.7
2 1	9 55.72	+30 52.7	2.980	3.924	4.8	21.5
2 11	9 47.31	+31 32.2	2.963	3.916	4.3	21.5
2 21	9 38.64	+31 59.5	2.976	3.907	5.6	21.6
3 2	9 30.47	+32 12.3	3.018	3.898	7.6	21.7
3 12	9 23.49	+32 10.1	3.086	3.889	9.7	21.8
3 22	9 18.16	+31 54.1	3.176	3.879	11.6	22.0

110055 2001 SC_{100} 2 13.5 291°.46 0°.2/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.53	+11 34.7	2.141	2.972	12.0	19.9
1 22	10 2.52	+11 49.5	2.046	2.954	8.8	19.7
2 1	9 55.57	+12 13.4	1.976	2.937	5.1	19.4
2 11	9 47.31	+12 42.9	1.934	2.920	1.1	19.1
2 21	9 38.60	+13 13.6	1.922	2.902	3.1	19.2
3 2	9 30.40	+13 41.4	1.938	2.885	7.1	19.5
3 12	9 23.63	+14 2.6	1.981	2.868	10.8	19.7
3 22	9 18.91	+14 14.9	2.047	2.851	14.0	19.8

204293 2004 PD_{34} 2 13.5 95°.85 0°.1/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 14.11	+11 53.5	1.503	2.342	15.7	20.2
1 22	10 7.61	+12 8.6	1.444	2.357	11.5	20.0
2 1	9 58.52	+12 34.9	1.409	2.372	6.6	19.7
2 11	9 47.89	+13 7.0	1.401	2.386	1.4	19.4
2 21	9 37.03	+13 38.6	1.420	2.401	3.9	19.6
3 2	9 27.34	+14 4.4	1.467	2.415	8.8	19.9
3 12	9 19.93	+14 20.6	1.539	2.429	13.1	20.2
3 22	9 15.39	+14 25.7	1.632	2.443	16.7	20.5

209506 2004 NR_{24} 2 13.5 95°.83 0°.3/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.46	+ 7 41.0	1.573	2.404	15.6	20.0
1 22	10 4.86	+ 8 55.4	1.518	2.425	11.4	19.8
2 1	9 56.92	+10 27.4	1.486	2.447	6.6	19.6
2 11	9 47.57	+12 9.1	1.482	2.468	1.5	19.3
2 21	9 37.99	+13 50.6	1.507	2.488	3.7	19.5
3 2	9 29.43	+15 22.9	1.561	2.508	8.4	19.8
3 12	9 22.91	+16 39.2	1.641	2.528	12.6	20.1
3 22	9 19.02	+17 36.8	1.742	2.547	16.0	20.4

423178 2004 GA_{63} 2 13.5 310°.14 1°.0/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.55	+14 35.3	2.156	2.996	11.6	21.5
1 22	10 1.73	+15 6.5	2.074	2.989	8.4	21.2
2 1	9 55.06	+15 44.9	2.018	2.982	4.7	21.0
2 11	9 47.20	+16 25.8	1.989	2.975	1.2	20.7
2 21	9 38.99	+17 4.3	1.990	2.968	3.5	20.9
3 2	9 31.38	+17 36.0	2.020	2.961	7.3	21.1
3 12	9 25.20	+17 57.7	2.076	2.955	10.8	21.3
3 22	9 21.03	+18 8.1	2.155	2.948	13.7	21.5

62319 2000 SD_{122} 2 13.5 191°.30 0°.0/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.11	+10 53.0	2.020	2.845	12.8	20.5
1 22	10 5.13	+11 33.2	1.938	2.844	9.4	20.2
2 1	9 57.05	+12 24.8	1.881	2.842	5.4	20.0
2 11	9 47.62	+13 22.6	1.853	2.839	1.1	19.7
2 21	9 37.77	+14 20.9	1.856	2.835	3.3	19.8
3 2	9 28.59	+15 13.7	1.888	2.831	7.5	20.1
3 12	9 21.02	+15 56.7	1.947	2.826	11.3	20.3
3 22	9 15.71	+16 27.4	2.028	2.820	14.5	20.5

409876 2006 SK_{286} 2 13.5 95°.62 2°.4/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 12.35	+17 19.5	1.858	2.700	13.0	22.3
1 22	10 5.92	+18 19.0	1.810	2.726	9.3	22.1
2 1	9 57.38	+19 23.3	1.788	2.752	5.3	21.9
2 11	9 47.65	+20 25.1	1.794	2.776	2.4	21.8
2 21	9 37.82	+21 17.7	1.830	2.801	4.7	22.0
3 2	9 28.99	+21 56.5	1.894	2.824	8.5	22.2
3 12	9 22.06	+22 19.5	1.985	2.848	11.9	22.5
3 22	9 17.55	+22 26.9	2.096	2.870	14.7	22.7

440242 2004 RX_{9} 2 13.5 34°.19 5°.0/11.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.72	+21 52.8	0.755	1.638	22.5	19.5
1 22	10 13.52	+22 18.7	0.751	1.685	16.0	19.4
2 1	10 1.64	+22 42.5	0.766	1.733	9.3	19.2
2 11	9 48.39	+22 52.8	0.802	1.784	5.0	19.2
2 21	9 36.19	+22 43.6	0.861	1.834	8.0	19.6
3 2	9 26.93	+22 14.9	0.942	1.886	13.0	20.0
3 12	9 21.56	+21 30.2	1.043	1.938	17.5	20.4
3 22	9 20.11	+20 34.0	1.162	1.990	21.0	20.9

181681 4746 $P–L$ 2 13.5 163°.57 2°.2/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.89	+18 18.1	2.057	2.896	12.0	20.9
1 22	10 5.61	+18 54.8	1.986	2.901	8.7	20.7
2 1	9 57.27	+19 35.4	1.942	2.905	5.0	20.5
2 11	9 47.65	+20 14.2	1.926	2.908	2.2	20.3
2 21	9 37.75	+20 45.7	1.940	2.911	4.4	20.4
3 2	9 28.64	+21 6.0	1.982	2.914	8.1	20.7
3 12	9 21.23	+21 13.3	2.052	2.916	11.5	20.9
3 22	9 16.11	+21 7.6	2.143	2.917	14.4	21.1

522623 2016 FN_{66} 2 13.5 214°.69 1°.5/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.05	+ 4 49.3	2.600	3.403	10.9	21.9
1 22	10 0.38	+ 5 31.1	2.508	3.398	8.3	21.7
2 1	9 54.20	+ 6 26.3	2.441	3.391	5.2	21.5
2 11	9 47.03	+ 7 31.7	2.404	3.385	2.2	21.3
2 21	9 39.55	+ 8 42.9	2.397	3.378	2.6	21.3
3 2	9 32.49	+ 9 54.8	2.422	3.371	5.7	21.5
3 12	9 26.54	+11 2.4	2.474	3.363	8.8	21.7
3 22	9 22.21	+12 2.1	2.552	3.355	11.6	21.9

489370 2006 UT_{193} 2 13.5 54°.09 1°.9/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.15	+ 7 15.1	1.123	1.972	19.2	21.4
1 22	10 6.09	+ 7 32.6	1.069	1.984	14.3	21.1
2 1	9 57.92	+ 8 11.7	1.036	1.997	8.7	20.9
2 11	9 47.82	+ 9 6.2	1.026	2.010	3.0	20.6
2 21	9 37.39	+10 7.6	1.041	2.023	4.4	20.7
3 2	9 28.32	+11 6.2	1.081	2.037	10.1	21.1
3 12	9 21.97	+11 54.4	1.143	2.051	15.1	21.4
3 22	9 18.98	+12 27.8	1.225	2.066	19.3	21.7

26187 1996 XA_{27} 2 13.5 104°.46 1°.7/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.90	+ 7 5.9	2.594	3.397	11.0	17.5
1 22	10 3.67	+ 7 0.2	2.528	3.417	8.2	17.4
2 1	9 55.95	+ 7 3.5	2.487	3.437	5.1	17.2
2 11	9 47.39	+ 7 13.9	2.476	3.457	2.2	17.0
2 21	9 38.70	+ 7 28.8	2.496	3.476	2.7	17.1
3 2	9 30.65	+ 7 45.1	2.547	3.494	5.6	17.3
3 12	9 23.89	+ 8 0.1	2.627	3.513	8.5	17.5
3 22	9 18.85	+ 8 11.5	2.731	3.530	11.0	17.7

18209 4158 $P–L$ 2 13.5 4°.47 0°.6/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.69	+13 41.4	1.377	2.228	16.2	18.5
1 22	10 6.26	+13 55.7	1.308	2.228	11.8	18.2
2 1	9 57.97	+14 20.5	1.262	2.228	6.8	18.0
2 11	9 47.86	+14 50.0	1.242	2.228	1.4	17.6
2 21	9 37.29	+15 17.5	1.248	2.229	4.4	17.8
3 2	9 27.80	+15 37.2	1.281	2.230	9.7	18.1
3 12	9 20.68	+15 45.3	1.337	2.231	14.4	18.4
3 22	9 16.65	+15 40.7	1.413	2.233	18.3	18.6

351667 2006 AD_{32} 2 13.5 62°.59 3°.6/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.85	+17 20.4	1.205	2.067	17.3	20.2
1 22	10 7.71	+18 43.7	1.173	2.098	12.3	20.0
2 1	9 58.63	+20 13.7	1.162	2.129	7.0	19.8
2 11	9 47.94	+21 38.1	1.178	2.159	3.6	19.7
2 21	9 37.26	+22 46.4	1.219	2.190	6.6	19.9
3 2	9 28.18	+23 32.1	1.287	2.221	11.2	20.3
3 12	9 21.86	+23 53.7	1.376	2.251	15.4	20.6
3 22	9 18.77	+23 53.6	1.485	2.281	18.7	20.9

330985 2009 TB_{46} 2 13.5 251°.30 7°.0/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.31	+31 44.0	2.084	2.930	11.7	20.8
1 22	10 5.59	+33 13.9	2.013	2.918	9.2	20.7
2 1	9 57.47	+34 39.0	1.969	2.905	7.4	20.5
2 11	9 47.76	+35 49.9	1.952	2.892	7.2	20.5
2 21	9 37.54	+36 39.4	1.962	2.878	9.0	20.6
3 2	9 28.05	+37 3.5	1.999	2.865	11.6	20.7
3 12	9 20.39	+37 2.0	2.058	2.851	14.2	20.8
3 22	9 15.30	+36 38.2	2.136	2.836	16.6	21.0

103933 2000 DY_{66} 2 13.5 235°.31 0°.7/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 6.74	+ 9 18.6	2.159	2.984	12.1	20.0
1 22	10 1.83	+ 9 44.0	2.078	2.983	8.9	19.8
2 1	9 55.12	+10 20.4	2.022	2.981	5.3	19.5
2 11	9 47.26	+11 4.3	1.995	2.979	1.5	19.3
2 21	9 39.08	+11 50.8	1.997	2.978	2.9	19.4
3 2	9 31.49	+12 35.1	2.028	2.976	6.7	19.6
3 12	9 25.31	+13 13.0	2.086	2.974	10.2	19.8
3 22	9 21.10	+13 41.7	2.167	2.973	13.3	20.0

491265 2011 UD_{299} 2 13.5 201°.77 4°.2/10.3 18

1 12	10 12.89	+22 0.1	1.783	2.632	13.2	21.4
1 22	10 6.77	+23 5.6	1.712	2.629	9.6	21.2
2 1	9 58.15	+24 13.7	1.665	2.626	6.0	21.0
2 11	9 47.90	+25 15.9	1.647	2.622	4.2	20.9
2 21	9 37.20	+26 4.5	1.658	2.618	6.5	21.0
3 2	9 27.36	+26 34.1	1.695	2.613	10.2	21.2
3 12	9 19.54	+26 43.3	1.758	2.607	13.8	21.4
3 22	9 14.41	+26 33.5	1.840	2.601	16.9	21.6

300328 2007 QT_6 2 13.5 88°.28 1°.4/12.6 18

1 12	10 13.75	+14 44.9	1.588	2.430	14.8	21.0
1 22	10 7.19	+15 25.5	1.538	2.454	10.6	20.8
2 1	9 58.22	+16 14.2	1.513	2.477	6.0	20.5
2 11	9 47.87	+17 3.9	1.515	2.500	1.6	20.3
2 21	9 37.42	+17 47.6	1.546	2.523	4.4	20.5
3 2	9 28.15	+18 20.1	1.604	2.545	8.8	20.9
3 12	9 21.06	+18 38.6	1.688	2.567	12.8	21.1
3 22	9 16.71	+18 43.0	1.792	2.588	16.0	21.4

110670 2001 TQ_{193} 2 13.5 138°.67 1°.2/12.6 18

1 12	10 10.92	+15 3.1	1.946	2.783	12.7	20.9
1 22	10 4.98	+15 33.8	1.876	2.790	9.2	20.7
2 1	9 56.95	+16 11.4	1.832	2.796	5.2	20.5
2 11	9 47.63	+16 50.4	1.816	2.802	1.4	20.2
2 21	9 38.04	+17 25.6	1.830	2.807	3.8	20.4
3 2	9 29.25	+17 52.4	1.873	2.813	7.9	20.7
3 12	9 22.20	+18 8.1	1.941	2.818	11.5	20.9
3 22	9 17.46	+18 11.7	2.032	2.822	14.6	21.1

322612 1989 SA_{14} 2 13.5 85°.24 3°.0/15.5 18

1 12	10 12.96	+ 5 7.8	1.778	2.588	14.9	20.4
1 22	10 6.41	+ 4 52.6	1.718	2.609	11.3	20.3
2 1	9 57.72	+ 4 52.1	1.681	2.630	7.3	20.1
2 11	9 47.78	+ 5 4.1	1.672	2.650	3.6	19.9
2 21	9 37.68	+ 5 24.8	1.692	2.670	3.9	19.9
3 2	9 28.55	+ 5 49.8	1.741	2.690	7.5	20.2
3 12	9 21.32	+ 6 14.2	1.815	2.710	11.2	20.5
3 22	9 16.54	+ 6 34.5	1.913	2.729	14.4	20.7

143089 2002 XZ_9 2 13.5 100°.80 1°.8/12.1 18 R

1 12	10 11.92	+16 19.5	1.918	2.757	12.8	19.6
1 22	10 5.59	+17 8.2	1.865	2.780	9.2	19.4
2 1	9 57.22	+18 2.5	1.838	2.802	5.2	19.2
2 11	9 47.67	+18 55.9	1.839	2.823	1.9	19.0
2 21	9 38.00	+19 42.3	1.870	2.844	4.3	19.2
3 2	9 29.26	+20 17.2	1.930	2.864	8.1	19.5
3 12	9 22.34	+20 38.3	2.016	2.884	11.5	19.7
3 22	9 17.76	+20 45.4	2.124	2.904	14.4	20.0

53525 2000 AN_{161} 2 13.5 299°.74 2°.9/11.9 18

1 12	10 12.90	+18 13.9	1.302	2.162	16.3	18.1
1 22	10 7.54	+18 45.3	1.224	2.149	12.0	17.8
2 1	9 58.95	+19 23.9	1.170	2.136	7.0	17.5
2 11	9 48.11	+20 1.4	1.140	2.123	3.0	17.2
2 21	9 36.55	+20 29.2	1.136	2.111	6.1	17.4
3 2	9 26.02	+20 41.1	1.157	2.098	11.4	17.6
3 12	9 18.08	+20 34.4	1.201	2.086	16.4	17.9
3 22	9 13.59	+20 10.1	1.263	2.075	20.6	18.1

26988 1997 WT_5 2 13.5 224°.98 2°.3/11.4 18

1 12	10 7.42	+18 27.2	2.302	3.145	10.8	19.3
1 22	10 2.30	+19 15.3	2.225	3.141	7.8	19.1
2 1	9 55.38	+20 7.6	2.174	3.138	4.5	18.9
2 11	9 47.32	+20 58.7	2.152	3.134	2.3	18.7
2 21	9 38.95	+21 43.3	2.161	3.130	4.3	18.8
3 2	9 31.16	+22 17.1	2.198	3.126	7.6	19.0
3 12	9 24.79	+22 37.8	2.261	3.122	10.7	19.2
3 22	9 20.36	+22 44.9	2.347	3.118	13.4	19.4

83668 2001 TB_{27} 2 13.5 238°.85 3°.2/10.7 18

1 12	10 9.44	+22 46.2	2.403	3.245	10.4	19.6
1 22	10 3.70	+23 21.3	2.326	3.240	7.6	19.4
2 1	9 56.15	+23 56.6	2.275	3.235	4.7	19.2
2 11	9 47.47	+24 26.9	2.254	3.229	3.2	19.1
2 21	9 38.52	+24 47.6	2.263	3.224	4.9	19.2
3 2	9 30.19	+24 55.7	2.300	3.218	7.9	19.4
3 12	9 23.31	+24 50.3	2.364	3.213	10.8	19.6
3 22	9 18.42	+24 32.0	2.450	3.207	13.3	19.7

200480 2000 YZ_{16} 2 13.5 139°.61 12°.0/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 20.31	− 9 32.2	1.328	2.082	21.9	19.7
1 22	10 12.73	−11 26.8	1.261	2.092	18.7	19.5
2 1	10 1.84	−12 52.5	1.213	2.101	15.4	19.3
2 11	9 48.70	−13 42.5	1.187	2.109	12.8	19.1
2 21	9 34.88	−13 53.8	1.186	2.116	12.1	19.1
3 2	9 22.20	−13 30.1	1.209	2.123	13.7	19.2
3 12	9 12.21	−12 40.9	1.254	2.130	16.5	19.4
3 22	9 5.77	−11 38.3	1.319	2.135	19.6	19.6

22840 Villarreal 2 13.5 54°.13 2°.2/11.9 18

1 12	10 10.12	+18 11.2	1.930	2.776	12.5	18.9
1 22	10 4.48	+18 43.1	1.859	2.776	9.0	18.7
2 1	9 56.70	+19 19.2	1.813	2.777	5.2	18.4
2 11	9 47.60	+19 53.8	1.794	2.777	2.2	18.2
2 21	9 38.19	+20 21.6	1.805	2.778	4.5	18.4
3 2	9 29.57	+20 38.2	1.844	2.779	8.4	18.6
3 12	9 22.70	+20 41.9	1.909	2.779	11.9	18.8
3 22	9 18.17	+20 32.5	1.995	2.780	15.0	19.1

157568 2005 UF_{154} 2 13.5 113°.52 1°.2/14.3 18

1 12	10 12.91	+ 8 23.7	1.538	2.368	15.9	20.8
1 22	10 6.75	+ 8 48.2	1.476	2.382	11.8	20.5
2 1	9 58.09	+ 9 28.2	1.437	2.396	7.0	20.3
2 11	9 47.88	+10 18.3	1.425	2.410	2.1	20.0
2 21	9 37.40	+11 11.9	1.441	2.423	3.7	20.2
3 2	9 27.97	+12 2.0	1.485	2.436	8.5	20.5
3 12	9 20.70	+12 43.1	1.554	2.448	12.8	20.8
3 22	9 16.21	+13 12.3	1.645	2.459	16.4	21.0

456701 2007 RV_{241} 2 13.5 119°.76 0°.3/13.8 18

1 12	10 12.81	+10 6.4	2.020	2.840	13.0	22.5
1 22	10 6.13	+10 42.4	1.960	2.863	9.5	22.3
2 1	9 57.51	+11 29.0	1.926	2.885	5.5	22.1
2 11	9 47.75	+12 21.1	1.921	2.906	1.2	21.8
2 21	9 37.83	+13 13.1	1.946	2.927	3.1	22.0
3 2	9 28.78	+14 0.0	2.002	2.946	7.1	22.3
3 12	9 21.45	+14 37.8	2.085	2.965	10.6	22.5
3 22	9 16.36	+15 4.6	2.191	2.983	13.6	22.8

298775 2004 PH_8 2 13.5 153°.80 0°.5/13.9 18

1 12	10 12.30	+ 9 27.5	1.984	2.804	13.2	22.3
1 22	10 5.92	+10 3.1	1.912	2.814	9.7	22.1
2 1	9 57.48	+10 50.6	1.865	2.824	5.7	21.9
2 11	9 47.76	+11 45.3	1.847	2.833	1.4	21.6
2 21	9 37.74	+12 41.3	1.860	2.840	3.2	21.7
3 2	9 28.50	+13 33.0	1.902	2.847	7.3	22.0
3 12	9 20.95	+14 16.0	1.971	2.853	11.1	22.2
3 22	9 15.69	+14 47.7	2.064	2.859	14.2	22.5

426852 2013 VX_{22} 2 13.5 19°.15 5°.8/ 8.5 18

1 12	10 8.03	+26 30.9	1.805	2.663	12.6	20.2
1 22	10 3.20	+27 52.2	1.748	2.667	9.4	20.0
2 1	9 56.06	+29 11.7	1.717	2.670	6.7	19.8
2 11	9 47.48	+30 20.0	1.713	2.674	5.9	19.8
2 21	9 38.59	+31 9.8	1.735	2.679	7.9	19.9
3 2	9 30.59	+31 36.9	1.784	2.683	10.9	20.1
3 12	9 24.51	+31 40.6	1.856	2.689	14.0	20.3
3 22	9 20.96	+31 23.4	1.948	2.694	16.6	20.5

363019 1996 TD_8 2 13.5 79°.50 6°.6/20.2 17

1 12	10 10.56	− 9 26.6	2.074	2.807	15.6	20.8
1 22	10 4.36	− 9 25.2	2.022	2.846	12.9	20.7
2 1	9 56.42	− 8 59.3	1.992	2.885	10.0	20.5
2 11	9 47.52	− 8 10.1	1.987	2.923	7.5	20.5
2 21	9 38.57	− 7 1.6	2.011	2.960	6.6	20.5
3 2	9 30.48	− 5 40.2	2.064	2.996	7.8	20.6
3 12	9 24.01	− 4 13.4	2.144	3.031	10.0	20.8
3 22	9 19.62	− 2 48.2	2.248	3.066	12.5	21.0

375508 2008 UL_{105} 2 13.5 115°.39 1°.1/12.5 18

1 12	10 8.34	+14 59.1	2.339	3.173	11.0	21.2
1 22	10 2.79	+15 37.4	2.274	3.186	7.9	21.1
2 1	9 55.58	+16 21.4	2.236	3.199	4.4	20.9
2 11	9 47.36	+17 6.6	2.226	3.211	1.2	20.6
2 21	9 38.97	+17 48.1	2.248	3.224	3.3	20.8
3 2	9 31.23	+18 22.1	2.298	3.236	6.8	21.1
3 12	9 24.91	+18 45.8	2.376	3.248	9.9	21.3
3 22	9 20.47	+18 58.5	2.477	3.259	12.5	21.5

275183 2009 WP_{62} 2 13.5 83°.91 1°.6/14.9 18

1 12	10 7.23	+ 6 28.7	1.925	2.746	13.5	21.1
1 22	10 2.31	+ 6 55.4	1.853	2.753	10.1	20.9
2 1	9 55.44	+ 7 36.9	1.805	2.760	6.2	20.7
2 11	9 47.35	+ 8 29.1	1.784	2.767	2.3	20.4
2 21	9 38.97	+ 9 26.7	1.792	2.774	3.1	20.5
3 2	9 31.30	+10 23.8	1.829	2.781	7.1	20.8
3 12	9 25.21	+11 15.0	1.893	2.787	10.8	21.0
3 22	9 21.28	+11 56.5	1.979	2.794	14.0	21.2

397262 2006 RN_{16} 2 13.5 165°.57 2°.4/18.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 59.76	− 3 6.7	5.431	6.175	6.4	22.4
1 22	9 55.90	− 3 3.0	5.340	6.180	5.1	22.3
2 1	9 51.40	− 2 51.5	5.275	6.184	3.8	22.2
2 11	9 46.50	− 2 32.9	5.239	6.189	2.7	22.1
2 21	9 41.50	− 2 8.3	5.234	6.193	2.4	22.1
3 2	9 36.71	− 1 39.3	5.260	6.196	3.3	22.2
3 12	9 32.41	− 1 7.8	5.316	6.200	4.5	22.3
3 22	9 28.83	− 0 35.6	5.399	6.203	5.8	22.4

381633 2008 YA_{39} 2 13.5 48°.74 0°.7/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.71	+13 25.6	1.884	2.725	12.9	21.4
1 22	10 2.62	+13 57.4	1.825	2.740	9.3	21.2
2 1	9 55.57	+14 37.4	1.791	2.755	5.2	21.0
2 11	9 47.37	+15 20.6	1.785	2.771	1.1	20.7
2 21	9 38.99	+16 1.2	1.807	2.786	3.5	20.9
3 2	9 31.44	+16 34.7	1.858	2.803	7.6	21.2
3 12	9 25.58	+16 57.7	1.935	2.819	11.1	21.5
3 22	9 21.93	+17 9.0	2.033	2.835	14.1	21.7

209464 2004 GW_{47} 2 13.5 27°.50 10°.1/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.89	+43 53.3	2.077	2.894	12.8	20.2
1 22	10 9.62	+44 59.7	2.035	2.899	11.1	20.1
2 1	9 59.68	+45 48.7	2.017	2.903	10.2	20.1
2 11	9 48.20	+46 11.7	2.023	2.908	10.3	20.1
2 21	9 36.63	+46 4.5	2.055	2.913	11.5	20.2
3 2	9 26.38	+45 26.9	2.109	2.918	13.3	20.3
3 12	9 18.58	+44 23.1	2.185	2.924	15.1	20.5
3 22	9 13.77	+42 59.1	2.279	2.929	16.8	20.6

5193 Tanakawataru 2 13.5 25°.02 1°.2/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.12	+14 38.1	1.874	2.721	12.7	16.2
1 22	10 1.56	+15 16.8	1.810	2.728	9.1	16.0
2 1	9 55.02	+16 3.4	1.771	2.736	5.1	15.8
2 11	9 47.27	+16 52.2	1.759	2.744	1.4	15.5
2 21	9 39.27	+17 37.3	1.776	2.753	3.9	15.7
3 2	9 32.05	+18 13.7	1.820	2.762	7.8	16.0
3 12	9 26.49	+18 38.1	1.890	2.772	11.5	16.2
3 22	9 23.12	+18 49.3	1.982	2.783	14.5	16.4

188531 2004 RQ_{177} 2 13.5 335°.87 4°.1/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.24	+ 1 0.8	1.851	2.652	14.8	19.8
1 22	10 2.46	+ 0 57.8	1.769	2.651	11.6	19.6
2 1	9 55.61	+ 1 13.5	1.710	2.649	8.0	19.3
2 11	9 47.41	+ 1 46.4	1.677	2.648	4.8	19.1
2 21	9 38.81	+ 2 32.8	1.672	2.647	4.5	19.1
3 2	9 30.87	+ 3 27.1	1.695	2.646	7.6	19.3
3 12	9 24.54	+ 4 22.8	1.743	2.644	11.2	19.5
3 22	9 20.46	+ 5 14.3	1.815	2.644	14.5	19.7

304036 2006 DX_{101} 2 13.5 297°.27 2°.2/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.31	+16 33.1	1.414	2.270	15.5	20.8
1 22	10 6.14	+17 9.6	1.337	2.259	11.3	20.5
2 1	9 58.04	+17 55.1	1.283	2.249	6.5	20.2
2 11	9 47.95	+18 42.0	1.254	2.238	2.3	19.9
2 21	9 37.23	+19 22.3	1.252	2.228	5.4	20.1
3 2	9 27.44	+19 49.1	1.276	2.218	10.5	20.3
3 12	9 19.97	+19 59.0	1.323	2.208	15.2	20.6
3 22	9 15.63	+19 51.7	1.390	2.198	19.2	20.8

429838 2012 QU_{18} 2 13.5 139°.75 2°.7/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.35	+ 1 59.7	2.443	3.236	11.8	21.7
1 22	10 0.63	+ 2 21.6	2.361	3.242	9.1	21.5
2 1	9 54.37	+ 2 58.2	2.305	3.246	6.1	21.3
2 11	9 47.14	+ 3 47.3	2.277	3.251	3.3	21.2
2 21	9 39.66	+ 4 44.8	2.279	3.256	3.2	21.2
3 2	9 32.70	+ 5 45.9	2.310	3.260	5.9	21.4
3 12	9 26.94	+ 6 45.8	2.370	3.264	8.9	21.5
3 22	9 22.88	+ 7 40.2	2.454	3.268	11.6	21.7

195 Eurykleia 2 13.5 14°.73 2°.8/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.02	+19 49.3	1.906	2.754	12.5	13.4
1 22	10 4.44	+20 22.2	1.836	2.755	9.0	13.1
2 1	9 56.70	+20 58.0	1.792	2.756	5.3	12.9
2 11	9 47.63	+21 30.5	1.776	2.757	2.8	12.7
2 21	9 38.27	+21 54.3	1.788	2.758	5.0	12.9
3 2	9 29.73	+22 5.6	1.829	2.760	8.7	13.1
3 12	9 22.97	+22 2.8	1.894	2.761	12.2	13.3
3 22	9 18.59	+21 46.5	1.981	2.763	15.2	13.5

494177 2016 GC_{175} 2 13.5 190°.30 3°.0/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.43	+20 1.5	2.157	3.003	11.3	21.5
1 22	10 3.14	+20 58.5	2.085	3.003	8.2	21.3
2 1	9 55.92	+21 59.0	2.040	3.002	4.9	21.0
2 11	9 47.47	+22 56.5	2.023	3.001	3.0	20.9
2 21	9 38.71	+23 45.1	2.035	3.000	5.0	21.0
3 2	9 30.61	+24 20.3	2.076	2.999	8.3	21.2
3 12	9 24.05	+24 39.8	2.143	2.998	11.5	21.4
3 22	9 19.61	+24 43.9	2.232	2.996	14.2	21.6

95880 2003 GW_{53} 2 13.5 159°.61 0°.2/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 8.10	+11 18.7	2.148	2.977	12.0	20.7
1 22	10 2.83	+12 3.3	2.073	2.982	8.7	20.5
2 1	9 55.71	+12 58.1	2.024	2.985	5.0	20.2
2 11	9 47.43	+13 58.2	2.003	2.989	1.0	19.9
2 21	9 38.85	+14 57.9	2.012	2.992	3.1	20.1
3 2	9 30.90	+15 51.8	2.051	2.995	7.0	20.4
3 12	9 24.42	+16 35.8	2.117	2.997	10.5	20.6
3 22	9 19.97	+17 7.8	2.206	2.999	13.5	20.8

262820 2007 AG_{18} 2 13.5 34°.48 1°.0/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 15.31	+16 36.8	1.318	2.171	16.6	19.9
1 22	10 8.68	+16 19.5	1.267	2.187	12.0	19.6
2 1	9 59.22	+16 7.4	1.239	2.204	6.8	19.4
2 11	9 48.14	+15 55.4	1.237	2.222	1.5	19.1
2 21	9 37.00	+15 39.6	1.261	2.241	4.5	19.3
3 2	9 27.31	+15 17.2	1.312	2.260	9.6	19.7
3 12	9 20.24	+14 47.2	1.386	2.280	14.0	20.0
3 22	9 16.32	+14 10.1	1.481	2.301	17.7	20.3

238085 2003 FU_{111} 2 13.5 212°.54 3°.3/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.30	+ 2 18.6	1.855	2.657	14.7	20.9
1 22	10 4.77	+ 2 33.7	1.766	2.650	11.4	20.7
2 1	9 57.01	+ 3 7.8	1.700	2.644	7.6	20.4
2 11	9 47.74	+ 3 58.5	1.660	2.636	4.0	20.2
2 21	9 37.95	+ 5 1.2	1.650	2.628	4.0	20.2
3 2	9 28.78	+ 6 9.2	1.669	2.619	7.7	20.4
3 12	9 21.28	+ 7 15.5	1.714	2.610	11.7	20.6
3 22	9 16.16	+ 8 14.7	1.782	2.600	15.2	20.8

409580 2005 UC_{216} 2 13.5 67°.06 3°.8/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.82	+21 0.5	1.699	2.552	13.5	20.7
1 22	10 5.13	+21 57.5	1.646	2.567	9.7	20.5
2 1	9 57.12	+22 56.6	1.619	2.581	5.9	20.3
2 11	9 47.73	+23 49.8	1.618	2.596	3.8	20.2
2 21	9 38.15	+24 30.1	1.646	2.611	6.0	20.3
3 2	9 29.60	+24 53.3	1.701	2.625	9.7	20.6
3 12	9 23.09	+24 58.1	1.780	2.640	13.2	20.8
3 22	9 19.18	+24 46.0	1.879	2.655	16.1	21.1

73114 2002 GQ_{44} 2 13.5 172°.43 2°.9/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.98	+ 3 35.4	1.938	2.741	14.1	20.0
1 22	10 5.08	+ 3 41.4	1.858	2.744	10.9	19.8
2 1	9 57.08	+ 4 3.7	1.801	2.747	7.1	19.6
2 11	9 47.74	+ 4 39.8	1.772	2.749	3.6	19.4
2 21	9 38.02	+ 5 25.4	1.772	2.750	3.8	19.4
3 2	9 29.00	+ 6 15.1	1.801	2.751	7.3	19.6
3 12	9 21.63	+ 7 3.3	1.857	2.751	11.0	19.8
3 22	9 16.54	+ 7 45.4	1.937	2.751	14.3	20.0

414791 2010 RD_{126} 2 13.5 223°.81 1°.5/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.22	+15 22.8	2.067	2.902	12.2	22.1
1 22	10 5.32	+16 9.1	1.979	2.891	8.8	21.9
2 1	9 57.28	+17 3.2	1.916	2.880	5.0	21.6
2 11	9 47.80	+17 59.5	1.883	2.868	1.6	21.4
2 21	9 37.83	+18 51.6	1.880	2.855	4.1	21.5
3 2	9 28.45	+19 34.3	1.906	2.841	8.1	21.7
3 12	9 20.67	+20 4.1	1.959	2.827	11.8	21.9
3 22	9 15.15	+20 19.7	2.034	2.812	14.9	22.1

294289 2007 UO_{118} 2 13.5 226°.27 0°.9/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.64	+ 8 55.1	2.374	3.193	11.3	21.3
1 22	10 1.66	+ 9 14.6	2.288	3.190	8.4	21.1
2 1	9 55.01	+ 9 44.3	2.229	3.186	5.0	20.9
2 11	9 47.31	+10 21.0	2.198	3.182	1.5	20.6
2 21	9 39.29	+11 0.7	2.197	3.178	2.7	20.7
3 2	9 31.80	+11 39.3	2.226	3.174	6.2	20.9
3 12	9 25.58	+12 12.9	2.282	3.170	9.5	21.1
3 22	9 21.17	+12 39.0	2.362	3.165	12.4	21.3

384140 2008 YU_{117} 2 13.5 345°.13 0°.8/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.85	+13 23.7	1.919	2.762	12.6	21.0
1 22	10 1.44	+13 59.0	1.841	2.757	9.2	20.7
2 1	9 55.03	+14 43.6	1.788	2.753	5.2	20.5
2 11	9 47.32	+15 32.5	1.763	2.749	1.1	20.2
2 21	9 39.26	+16 19.8	1.766	2.745	3.6	20.4
3 2	9 31.86	+17 0.1	1.798	2.742	7.7	20.6
3 12	9 26.04	+17 29.6	1.854	2.739	11.5	20.8
3 22	9 22.40	+17 46.5	1.933	2.737	14.7	21.0

204878 2007 TE_{14} 2 13.5 99°.22 3°.2/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.72	+20 19.2	2.282	3.129	10.7	20.2
1 22	10 1.79	+21 40.9	2.222	3.140	7.7	20.1
2 1	9 55.10	+23 5.6	2.189	3.150	4.7	19.9
2 11	9 47.32	+24 26.4	2.185	3.160	3.3	19.8
2 21	9 39.29	+25 37.0	2.211	3.171	5.2	20.0
3 2	9 31.90	+26 32.5	2.266	3.181	8.2	20.2
3 12	9 25.95	+27 10.6	2.347	3.191	11.0	20.4
3 22	9 21.94	+27 31.4	2.450	3.200	13.4	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
24205 1999 XC_{48}			2 13.5 265°.99	4°.7/10.2 18		
	h m	° ′			°	m
1 12	10 12.71	+20 52.3	1.466	2.323	15.0	18.8
1 22	10 7.33	+22 9.3	1.383	2.305	11.0	18.5
2 1	9 58.86	+23 33.7	1.324	2.287	6.9	18.2
2 11	9 48.18	+24 54.7	1.292	2.268	4.8	18.0
2 21	9 36.66	+26 1.6	1.286	2.249	7.6	18.2
3 2	9 25.94	+26 45.9	1.307	2.229	12.2	18.4
3 12	9 17.56	+27 4.6	1.350	2.209	16.6	18.6
3 22	9 12.45	+26 58.9	1.411	2.189	20.4	18.8
51950 2001 QA_{222}			2 13.5 43°.11	4°.1/17.3 18		
1 12	10 5.23	− 0 57.2	2.097	2.886	13.7	19.0
1 22	10 0.77	− 0 51.3	2.019	2.891	10.8	18.8
2 1	9 54.55	− 0 26.8	1.964	2.897	7.7	18.6
2 11	9 47.22	+ 0 14.7	1.936	2.902	4.9	18.5
2 21	9 39.61	+ 1 9.3	1.936	2.908	4.4	18.4
3 2	9 32.59	+ 2 11.7	1.964	2.913	6.8	18.6
3 12	9 26.97	+ 3 15.9	2.019	2.919	9.9	18.8
3 22	9 23.29	+ 4 16.3	2.098	2.925	12.9	19.0
453388 2009 CM_{29}			2 13.5 10°.40	1°.4/12.7 17		
1 12	10 7.80	+13 37.3	1.208	2.072	17.1	20.8
1 22	10 3.72	+14 21.7	1.147	2.073	12.4	20.5
2 1	9 56.66	+15 20.0	1.108	2.076	7.0	20.2
2 11	9 47.70	+16 23.9	1.093	2.079	1.7	19.9
2 21	9 38.28	+17 23.6	1.103	2.083	5.1	20.1
3 2	9 30.01	+18 10.7	1.138	2.087	10.6	20.4
3 12	9 24.24	+18 40.0	1.195	2.093	15.5	20.7
3 22	9 21.66	+18 50.1	1.271	2.099	19.5	21.0
156065 2001 SE_{67}			2 13.5 131°.29	3°.6/11.0 18		
1 12	10 15.09	+20 25.4	1.713	2.559	13.8	20.3
1 22	10 8.25	+21 22.3	1.656	2.573	10.0	20.1
2 1	9 58.94	+22 21.8	1.624	2.586	6.0	19.9
2 11	9 48.14	+23 15.8	1.620	2.598	3.6	19.8
2 21	9 37.11	+23 57.2	1.644	2.610	5.9	19.9
3 2	9 27.15	+24 21.3	1.697	2.621	9.7	20.2
3 12	9 19.35	+24 27.0	1.775	2.632	13.4	20.4
3 22	9 14.31	+24 15.9	1.873	2.641	16.4	20.7
75151 1999 VY_{100}			2 13.5 257°.34	1°.3/12.6 18		
1 12	10 10.75	+14 24.7	1.785	2.625	13.5	19.6
1 22	10 5.30	+15 3.9	1.696	2.610	9.9	19.4
2 1	9 57.42	+15 53.0	1.631	2.595	5.6	19.1
2 11	9 47.87	+16 46.0	1.594	2.580	1.5	18.8
2 21	9 37.73	+17 36.1	1.586	2.563	4.2	18.9
3 2	9 28.23	+18 17.3	1.606	2.547	8.8	19.2
3 12	9 20.54	+18 45.2	1.652	2.530	13.0	19.4
3 22	9 15.41	+18 58.4	1.718	2.513	16.6	19.6
244725 2003 QC_{107}			2 13.5 196°.14	1°.1/12.6 18		
1 12	10 11.71	+14 11.8	1.996	2.829	12.6	21.4
1 22	10 5.66	+14 55.7	1.915	2.827	9.2	21.2
2 1	9 57.46	+15 48.3	1.860	2.823	5.2	20.9
2 11	9 47.86	+16 43.7	1.834	2.820	1.3	20.7
2 21	9 37.84	+17 35.9	1.838	2.815	3.9	20.8
3 2	9 28.50	+18 19.4	1.871	2.810	8.0	21.1
3 12	9 20.84	+18 50.6	1.931	2.803	11.7	21.3
3 22	9 15.49	+19 8.1	2.013	2.797	14.9	21.5
157080 2003 YG_{1}			2 13.5 280°.12	6°.3/14.9 18		
1 12	10 23.75	+ 6 32.4	1.096	1.925	21.0	19.8
1 22	10 16.11	+ 4 43.2	1.014	1.913	16.5	19.4
2 1	10 4.29	+ 3 3.1	0.952	1.901	11.3	19.1
2 11	9 49.38	+ 1 36.0	0.915	1.889	6.9	18.8
2 21	9 33.28	+ 0 25.5	0.903	1.876	7.6	18.8
3 2	9 18.33	− 0 27.1	0.917	1.864	12.8	19.0
3 12	9 6.62	− 1 4.8	0.953	1.852	18.3	19.3
3 22	8 59.27	− 1 32.7	1.007	1.840	23.2	19.5
246725 2009 BC_{47}			2 13.5 47°.32	0°.7/14.2 18		
1 12	10 4.88	+ 8 5.7	2.070	2.897	12.5	20.3
1 22	10 0.53	+ 8 53.6	2.000	2.905	9.2	20.1
2 1	9 54.42	+ 9 54.7	1.955	2.914	5.4	19.9
2 11	9 47.22	+11 4.3	1.938	2.923	1.5	19.7
2 21	9 39.76	+12 16.4	1.950	2.932	2.9	19.8
3 2	9 32.93	+13 24.8	1.992	2.941	6.8	20.0
3 12	9 27.54	+14 24.4	2.060	2.950	10.3	20.3
3 22	9 24.10	+15 12.1	2.151	2.960	13.3	20.5
428882 2008 UP_{304}			2 13.6 164°.88	2°.4/11.4 18		
1 12	10 9.09	+19 32.5	2.355	3.196	10.7	21.5
1 22	10 3.45	+20 13.0	2.284	3.198	7.7	21.3
2 1	9 56.05	+20 56.0	2.238	3.201	4.5	21.1
2 11	9 47.55	+21 36.5	2.223	3.203	2.4	20.9
2 21	9 38.81	+22 9.7	2.237	3.205	4.3	21.1
3 2	9 30.70	+22 32.1	2.280	3.206	7.5	21.3
3 12	9 24.03	+22 41.9	2.350	3.208	10.5	21.5
3 22	9 19.32	+22 39.0	2.442	3.209	13.1	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
156996 2003 OC_{5}			2 13.6 221°.17	0°.2/13.7 18		
	h m	° ′			°	m
1 12	10 6.92	+ 9 42.4	2.350	3.172	11.3	20.7
1 22	10 1.96	+10 29.9	2.260	3.165	8.3	20.5
2 1	9 55.25	+11 28.8	2.197	3.156	4.9	20.2
2 11	9 47.41	+12 34.7	2.162	3.148	1.1	19.9
2 21	9 39.19	+13 42.4	2.159	3.139	2.8	20.0
3 2	9 31.44	+14 46.3	2.185	3.130	6.6	20.3
3 12	9 24.98	+15 41.9	2.239	3.120	10.0	20.5
3 22	9 20.36	+16 26.4	2.317	3.110	12.9	20.6
165727 2001 QG_{106}			2 13.6 61°.72	6°.7/20.6 18		
1 12	10 5.38	− 9 51.4	2.138	2.876	15.1	19.4
1 22	10 0.78	− 9 50.9	2.072	2.898	12.6	19.2
2 1	9 54.50	− 9 26.1	2.028	2.919	9.9	19.1
2 11	9 47.23	− 8 37.8	2.008	2.941	7.6	19.0
2 21	9 39.78	− 7 29.3	2.016	2.963	6.7	19.0
3 2	9 33.00	− 6 6.3	2.051	2.985	7.7	19.1
3 12	9 27.63	− 4 36.5	2.114	3.007	9.9	19.3
3 22	9 24.16	− 3 6.9	2.200	3.029	12.3	19.5
24027 Downs			2 13.6 72°.61	1°.4/14.5 18		
1 12	10 11.10	+ 8 0.7	1.506	2.339	16.0	18.9
1 22	10 5.46	+ 8 20.8	1.449	2.356	11.9	18.7
2 1	9 57.37	+ 8 56.5	1.415	2.374	7.1	18.5
2 11	9 47.83	+ 9 43.0	1.407	2.391	2.3	18.2
2 21	9 38.08	+10 33.6	1.427	2.409	3.6	18.3
3 2	9 29.40	+11 21.5	1.474	2.427	8.3	18.6
3 12	9 22.85	+12 1.2	1.547	2.444	12.6	18.9
3 22	9 19.00	+12 29.6	1.640	2.461	16.1	19.2
109093 2001 QS_{31}			2 13.6 153°.23	1°.9/11.8 18		
1 12	10 10.89	+17 33.5	2.475	3.306	10.5	20.8
1 22	10 4.63	+18 20.4	2.406	3.317	7.5	20.7
2 1	9 56.67	+19 11.2	2.365	3.327	4.3	20.5
2 11	9 47.69	+20 0.8	2.354	3.336	1.9	20.3
2 21	9 38.48	+20 44.2	2.374	3.345	3.8	20.5
3 2	9 29.92	+21 17.8	2.424	3.352	7.0	20.7
3 12	9 22.76	+21 39.4	2.502	3.359	9.9	20.9
3 22	9 17.51	+21 48.8	2.603	3.365	12.5	21.1
246827 2009 TT_{46}			2 13.6 105°.97	0°.6/12.9 18		
1 12	10 8.35	+12 25.8	1.992	2.827	12.6	20.9
1 22	10 3.10	+13 14.1	1.926	2.838	9.1	20.7
2 1	9 55.91	+14 12.1	1.886	2.849	5.1	20.5
2 11	9 47.54	+15 14.2	1.874	2.860	1.1	20.2
2 21	9 38.91	+16 14.0	1.891	2.870	3.5	20.4
3 2	9 31.03	+17 6.2	1.938	2.881	7.4	20.7
3 12	9 24.76	+17 46.7	2.011	2.891	11.0	20.9
3 22	9 20.63	+18 13.9	2.107	2.901	14.0	21.1
205350 2000 WC_{85}			2 13.6 106°.36	0°.3/13.3 18		
1 12	10 13.39	+12 14.0	1.730	2.563	14.3	20.8
1 22	10 6.86	+12 47.1	1.673	2.583	10.3	20.6
2 1	9 58.08	+13 30.1	1.641	2.603	5.9	20.4
2 11	9 47.98	+14 17.3	1.637	2.623	1.2	20.1
2 21	9 37.71	+15 2.4	1.662	2.642	3.7	20.4
3 2	9 28.46	+15 40.0	1.716	2.660	8.1	20.7
3 12	9 21.20	+16 6.6	1.795	2.678	12.0	20.9
3 22	9 16.50	+16 20.9	1.897	2.695	15.2	21.2
420043 2011 DY_{14}			2 13.6 41°.56	0°.9/14.2 15		
1 12	10 9.28	+ 9 5.2	1.380	2.224	16.6	21.5
1 22	10 4.19	+ 9 29.1	1.335	2.249	12.1	21.3
2 1	9 56.63	+10 8.3	1.313	2.274	7.1	21.1
2 11	9 47.68	+10 57.0	1.316	2.301	2.0	20.8
2 21	9 38.64	+11 47.8	1.345	2.327	3.7	21.0
3 2	9 30.80	+12 33.7	1.401	2.354	8.6	21.4
3 12	9 25.18	+13 9.6	1.481	2.382	12.8	21.7
3 22	9 22.30	+13 32.9	1.582	2.410	16.3	22.0
111254 2001 XJ_{15}			2 13.6 184°.22	0°.2/13.7 18		
1 12	10 10.31	+11 17.4	2.310	3.131	11.5	20.5
1 22	10 4.35	+11 39.3	2.228	3.132	8.5	20.3
2 1	9 56.59	+12 9.7	2.172	3.131	4.9	20.1
2 11	9 47.69	+12 45.0	2.145	3.131	1.1	19.8
2 21	9 38.49	+13 20.8	2.149	3.129	2.9	19.9
3 2	9 29.87	+13 53.1	2.183	3.127	6.6	20.2
3 12	9 22.67	+14 18.5	2.245	3.125	10.0	20.4
3 22	9 17.43	+14 35.1	2.330	3.122	12.9	20.6
498178 2007 TN_{215}			2 13.6 68°.95	0°.6/14.1 18		
1 12	10 7.57	+10 8.1	2.166	2.992	12.0	21.2
1 22	10 2.37	+10 25.1	2.099	3.004	8.8	21.0
2 1	9 55.43	+10 51.6	2.056	3.016	5.2	20.8
2 11	9 47.45	+11 24.0	2.043	3.027	1.4	20.5
2 21	9 39.27	+11 58.2	2.058	3.039	2.8	20.7
3 2	9 31.77	+12 29.8	2.103	3.051	6.5	20.9
3 12	9 25.73	+12 55.4	2.175	3.063	9.9	21.2
3 22	9 21.63	+13 12.9	2.270	3.075	12.8	21.4

250265 2003 CD_{22} 2 13.6 77°.56 1°.7/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 11.94	+ 6 46.4	1.746	2.565	14.8	20.2
1 22	10 5.68	+ 7 5.0	1.695	2.594	11.0	20.0
2 1	9 57.33	+ 7 38.1	1.669	2.623	6.7	19.8
2 11	9 47.83	+ 8 21.2	1.670	2.652	2.5	19.6
2 21	9 38.24	+ 9 8.8	1.700	2.681	3.3	19.7
3 2	9 29.68	+ 9 55.0	1.758	2.709	7.4	20.0
3 12	9 23.02	+10 35.1	1.843	2.737	11.1	20.3
3 22	9 18.77	+11 5.9	1.951	2.764	14.3	20.6

272893 2006 BR_{124} 2 13.6 55°.91 0°.4/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.30	+13 5.2	1.839	2.678	13.3	20.8
1 22	10 3.92	+13 26.9	1.772	2.685	9.6	20.6
2 1	9 56.44	+13 57.4	1.729	2.692	5.5	20.4
2 11	9 47.67	+14 31.8	1.713	2.699	1.1	20.1
2 21	9 38.63	+15 4.9	1.727	2.707	3.5	20.3
3 2	9 30.40	+15 31.9	1.768	2.714	7.7	20.6
3 12	9 23.94	+15 49.5	1.835	2.722	11.5	20.8
3 22	9 19.80	+15 56.2	1.925	2.729	14.7	21.0

212582 2006 SD_{134} 2 13.6 82°.38 4°.1/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.33	+25 42.6	2.323	3.167	10.7	20.6
1 22	10 4.35	+26 21.7	2.262	3.175	7.9	20.4
2 1	9 56.55	+26 58.2	2.228	3.183	5.2	20.3
2 11	9 47.68	+27 26.6	2.223	3.191	4.1	20.2
2 21	9 38.63	+27 42.5	2.247	3.199	5.7	20.3
3 2	9 30.37	+27 43.5	2.300	3.208	8.4	20.5
3 12	9 23.68	+27 29.3	2.378	3.216	11.1	20.7
3 22	9 19.06	+27 1.6	2.478	3.224	13.4	20.9

305712 2009 BJ_{181} 2 13.6 35°.84 0°.8/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.38	+ 7 44.8	1.278	2.126	17.4	20.6
1 22	10 3.22	+ 8 36.0	1.218	2.133	12.9	20.3
2 1	9 56.32	+ 9 48.2	1.179	2.142	7.6	20.1
2 11	9 47.68	+11 14.1	1.165	2.151	2.0	19.7
2 21	9 38.64	+12 43.5	1.178	2.160	4.1	19.9
3 2	9 30.68	+14 6.0	1.216	2.170	9.5	20.2
3 12	9 25.02	+15 13.6	1.277	2.180	14.3	20.5
3 22	9 22.34	+16 2.4	1.359	2.191	18.3	20.8

197138 2003 UY_{246} 2 13.6 224°.74 0°.1/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.05	+11 45.3	2.348	3.174	11.2	21.3
1 22	10 2.76	+12 13.2	2.260	3.167	8.2	21.0
2 1	9 55.72	+12 49.7	2.198	3.159	4.7	20.8
2 11	9 47.54	+13 31.0	2.166	3.151	1.0	20.5
2 21	9 39.00	+14 12.6	2.163	3.143	2.9	20.7
3 2	9 30.99	+14 50.2	2.190	3.135	6.6	20.9
3 12	9 24.29	+15 20.3	2.245	3.126	10.0	21.1
3 22	9 19.48	+15 41.0	2.323	3.116	12.9	21.3

202861 2008 TM_{128} 2 13.6 186°.83 3°.4/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 15.04	+20 26.5	1.858	2.700	13.0	21.5
1 22	10 8.26	+21 22.5	1.786	2.700	9.5	21.2
2 1	9 59.04	+22 21.8	1.738	2.700	5.7	21.0
2 11	9 48.24	+23 16.8	1.720	2.698	3.4	20.9
2 21	9 37.02	+24 0.4	1.731	2.696	5.7	21.0
3 2	9 26.66	+24 27.6	1.770	2.692	9.5	21.2
3 12	9 18.28	+24 36.8	1.835	2.688	13.2	21.4
3 22	9 12.54	+24 29.0	1.921	2.683	16.2	21.6

160093 2000 QW_{44} 2 13.6 164°.43 0°.5/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.86	+12 0.0	1.995	2.823	12.9	21.3
1 22	10 5.71	+12 45.7	1.921	2.829	9.3	21.1
2 1	9 57.47	+13 41.6	1.873	2.835	5.3	20.9
2 11	9 47.92	+14 42.2	1.854	2.840	1.1	20.6
2 21	9 38.03	+15 41.3	1.865	2.844	3.5	20.8
3 2	9 28.88	+16 33.1	1.906	2.847	7.6	21.0
3 12	9 21.40	+17 13.6	1.973	2.850	11.3	21.2
3 22	9 16.21	+17 41.0	2.064	2.852	14.4	21.5

428419 2007 TA_{153} 2 13.6 117°.25 4°.2/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.81	− 1 56.8	2.331	3.108	12.9	20.8
1 22	10 1.08	− 1 53.3	2.250	3.114	10.2	20.6
2 1	9 54.72	− 1 32.4	2.193	3.119	7.4	20.4
2 11	9 47.34	− 0 55.4	2.162	3.124	4.9	20.3
2 21	9 39.69	− 0 5.5	2.160	3.129	4.4	20.2
3 2	9 32.58	+ 0 52.6	2.188	3.134	6.4	20.4
3 12	9 26.74	+ 1 53.5	2.243	3.139	9.3	20.6
3 22	9 22.68	+ 2 52.1	2.322	3.144	12.0	20.7

5812 Jayewinkler 2 13.6 212°.81 1°.1/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.36	+10 20.1	2.055	2.874	12.9	17.5
1 22	10 6.79	+10 9.9	1.969	2.869	9.6	17.3
2 1	9 58.11	+10 8.2	1.907	2.864	5.7	17.0
2 11	9 48.06	+10 12.5	1.875	2.859	1.8	16.8
2 21	9 37.62	+10 19.5	1.873	2.853	3.1	16.9
3 2	9 27.86	+10 26.0	1.900	2.847	7.2	17.1
3 12	9 19.74	+10 29.0	1.955	2.841	10.9	17.3
3 22	9 13.89	+10 26.7	2.033	2.834	14.2	17.5

263854 2009 BP_{126} 2 13.6 311°.85 0°.2/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 10.53	+12 50.3	1.377	2.228	16.2	20.8
1 22	10 5.68	+13 2.0	1.294	2.213	11.9	20.5
2 1	9 57.90	+13 25.6	1.234	2.199	6.9	20.2
2 11	9 48.07	+13 56.0	1.199	2.185	1.4	19.8
2 21	9 37.53	+14 26.6	1.190	2.171	4.4	19.9
3 2	9 27.84	+14 50.8	1.207	2.158	9.9	20.2
3 12	9 20.43	+15 4.1	1.247	2.145	14.9	20.5
3 22	9 16.16	+15 4.2	1.307	2.133	19.2	20.7

414215 2008 EF_{46} 2 13.6 151°.27 3°.9/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.38	+ 0 42.7	2.035	2.826	14.0	21.0
1 22	10 3.86	+ 0 39.5	1.956	2.831	11.0	20.8
2 1	9 56.39	+ 0 53.5	1.900	2.836	7.6	20.6
2 11	9 47.70	+ 1 23.3	1.872	2.841	4.6	20.4
2 21	9 38.68	+ 2 5.4	1.872	2.845	4.3	20.4
3 2	9 30.32	+ 2 54.8	1.901	2.849	7.1	20.6
3 12	9 23.49	+ 3 45.8	1.957	2.853	10.4	20.8
3 22	9 18.77	+ 4 33.3	2.037	2.856	13.5	21.0

343006 2009 BO_{83} 2 13.6 320°.75 2°.0/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.75	+ 5 26.1	2.311	3.121	11.9	20.7
1 22	10 1.07	+ 5 40.0	2.228	3.120	9.0	20.5
2 1	9 54.74	+ 6 6.6	2.169	3.119	5.7	20.3
2 11	9 47.36	+ 6 43.5	2.138	3.118	2.6	20.1
2 21	9 39.68	+ 7 26.6	2.137	3.117	2.9	20.1
3 2	9 32.53	+ 8 11.8	2.166	3.116	6.2	20.3
3 12	9 26.66	+ 8 54.4	2.221	3.116	9.4	20.5
3 22	9 22.59	+ 9 31.0	2.301	3.115	12.3	20.7

416872 2005 OK_{26} 2 13.6 153°.69 4°.2/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.03	− 0 9.8	2.235	3.013	13.3	21.5
1 22	10 4.89	− 0 27.0	2.155	3.021	10.5	21.3
2 1	9 56.92	− 0 28.6	2.099	3.028	7.4	21.2
2 11	9 47.82	− 0 15.2	2.071	3.035	4.8	21.0
2 21	9 38.42	+ 0 10.6	2.072	3.041	4.5	21.0
3 2	9 29.64	+ 0 44.9	2.103	3.047	6.9	21.1
3 12	9 22.31	+ 1 22.9	2.162	3.052	9.9	21.3
3 22	9 16.97	+ 2 0.1	2.244	3.056	12.7	21.5

234935 2002 UW_{28} 2 13.6 129°.13 3°.7/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.57	+23 24.5	2.415	3.259	10.3	20.5
1 22	10 3.09	+24 25.7	2.354	3.268	7.5	20.4
2 1	9 55.86	+25 26.9	2.319	3.277	4.8	20.2
2 11	9 47.59	+26 22.1	2.314	3.285	3.7	20.2
2 21	9 39.10	+27 6.0	2.339	3.293	5.4	20.3
3 2	9 31.26	+27 35.1	2.392	3.300	8.1	20.5
3 12	9 24.86	+27 48.4	2.471	3.308	10.8	20.6
3 22	9 20.39	+27 46.5	2.572	3.315	13.1	20.8

453028 2007 RR_{209} 2 13.6 69°.66 3°.7/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.61	+20 0.2	1.431	2.287	15.4	21.2
1 22	10 7.46	+20 54.0	1.384	2.306	11.1	21.0
2 1	9 58.60	+21 51.0	1.360	2.324	6.6	20.8
2 11	9 48.17	+22 42.2	1.362	2.342	3.7	20.7
2 21	9 37.58	+23 19.6	1.392	2.361	6.3	20.9
3 2	9 28.30	+23 38.7	1.448	2.379	10.5	21.2
3 12	9 21.46	+23 38.4	1.527	2.397	14.4	21.4
3 22	9 17.61	+23 20.7	1.626	2.415	17.7	21.7

251226 2006 UL_{229} 2 13.6 90°.19 7°.8/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 14.44	+32 7.4	1.757	2.605	13.3	19.7
1 22	10 7.93	+33 39.9	1.718	2.623	10.4	19.5
2 1	9 58.84	+35 3.2	1.704	2.641	8.3	19.4
2 11	9 48.23	+36 7.2	1.717	2.658	8.0	19.5
2 21	9 37.45	+36 45.0	1.757	2.675	9.7	19.6
3 2	9 27.89	+36 54.3	1.822	2.692	12.3	19.8
3 12	9 20.64	+36 37.3	1.909	2.709	14.9	20.0
3 22	9 16.27	+35 58.7	2.014	2.725	17.1	20.2

191605 2004 GA_{59} 2 13.6 154°.14 3°.0/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 14.65	+18 43.9	1.813	2.654	13.3	21.2
1 22	10 7.93	+19 43.3	1.748	2.663	9.6	21.0
2 1	9 58.83	+20 47.4	1.709	2.672	5.6	20.8
2 11	9 48.25	+21 48.4	1.699	2.680	3.0	20.6
2 21	9 37.35	+22 39.1	1.719	2.687	5.3	20.8
3 2	9 27.39	+23 14.3	1.767	2.693	9.2	21.0
3 12	9 19.43	+23 32.0	1.840	2.698	12.9	21.2
3 22	9 14.09	+23 32.9	1.934	2.703	15.9	21.5

105195 2000 OD_{38} 2 13.6 194°.52 1°.6/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.81	+ 4 13.5	3.174	3.966	9.4	21.3
1 22	10 0.04	+ 4 48.3	3.080	3.963	7.1	21.2
2 1	9 54.03	+ 5 34.0	3.014	3.960	4.6	21.0
2 11	9 47.23	+ 6 28.1	2.977	3.956	2.1	20.8
2 21	9 40.20	+ 7 27.4	2.972	3.951	2.3	20.8
3 2	9 33.51	+ 8 28.0	2.998	3.946	4.8	21.0
3 12	9 27.73	+ 9 26.2	3.054	3.941	7.4	21.1
3 22	9 23.26	+10 18.8	3.136	3.935	9.7	21.3

407313 2010 NG_{58} 2 13.6 88.°86 1.°6/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 16.80	+17 23.5	1.806	2.642	13.6	20.9
1 22	10 9.19	+17 35.6	1.755	2.667	9.8	20.7
2 1	9 59.36	+17 51.2	1.729	2.692	5.6	20.5
2 11	9 48.33	+18 5.0	1.732	2.716	1.8	20.3
2 21	9 37.26	+18 12.7	1.764	2.740	4.1	20.5
3 2	9 27.36	+18 11.2	1.826	2.763	8.2	20.8
3 12	9 19.54	+17 59.6	1.913	2.786	11.8	21.1
3 22	9 14.32	+17 38.5	2.023	2.809	14.8	21.3

251563 2009 DN_{91} 2 13.6 224.°74 1.°0/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.22	+ 7 33.5	1.865	2.687	13.8	21.2
1 22	10 4.05	+ 8 12.2	1.778	2.680	10.3	20.9
2 1	9 56.68	+ 9 6.7	1.715	2.672	6.2	20.7
2 11	9 47.83	+10 12.4	1.680	2.664	1.9	20.4
2 21	9 38.48	+11 23.0	1.674	2.655	3.3	20.5
3 2	9 29.75	+12 31.6	1.697	2.646	7.7	20.7
3 12	9 22.66	+13 32.1	1.746	2.637	11.8	20.9
3 22	9 17.91	+14 20.4	1.818	2.627	15.3	21.1

279200 2009 TU_{27} 2 13.6 128.°61 2.°7/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.98	+19 14.0	2.163	3.005	11.4	20.9
1 22	10 4.22	+20 11.8	2.101	3.016	8.2	20.7
2 1	9 56.57	+21 13.0	2.065	3.027	4.8	20.5
2 11	9 47.77	+22 11.2	2.058	3.038	2.7	20.4
2 21	9 38.74	+23 0.5	2.082	3.048	4.7	20.5
3 2	9 30.46	+23 36.8	2.134	3.058	8.0	20.7
3 12	9 23.75	+23 58.0	2.212	3.068	11.1	21.0
3 22	9 19.16	+24 4.2	2.313	3.077	13.8	21.2

394862 2008 TB_{116} 2 13.6 163.°26 0.°1/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 14.55	+11 28.2	1.883	2.708	13.6	22.0
1 22	10 7.75	+11 50.5	1.810	2.715	10.0	21.8
2 1	9 58.70	+12 22.8	1.761	2.721	5.8	21.6
2 11	9 48.23	+13 0.4	1.741	2.726	1.2	21.3
2 21	9 37.43	+13 37.9	1.751	2.731	3.4	21.4
3 2	9 27.46	+14 10.5	1.790	2.735	7.8	21.7
3 12	9 19.35	+14 34.4	1.856	2.737	11.7	21.9
3 22	9 13.70	+14 47.8	1.945	2.739	15.0	22.2

329604 2003 FN_{101} 2 13.6 290.°50 4.°6/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.79	− 1 32.6	1.813	2.607	15.3	20.5
1 22	10 1.66	− 1 16.3	1.717	2.592	12.2	20.3
2 1	9 55.36	− 0 36.5	1.642	2.576	8.7	20.0
2 11	9 47.57	+ 0 25.4	1.593	2.561	5.4	19.8
2 21	9 39.20	+ 1 45.1	1.572	2.546	4.9	19.7
3 2	9 31.34	+ 3 15.4	1.578	2.530	7.9	19.9
3 12	9 25.05	+ 4 47.7	1.611	2.515	11.7	20.1
3 22	9 21.05	+ 6 14.2	1.666	2.500	15.4	20.2

420163 2011 FB_{157} 2 13.6 18.°05 6.°1/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.64	+27 46.0	1.728	2.583	13.2	20.4
1 22	10 5.96	+28 44.4	1.670	2.585	10.0	20.2
2 1	9 57.77	+29 38.7	1.636	2.588	7.1	20.1
2 11	9 48.04	+30 20.2	1.629	2.591	6.1	20.0
2 21	9 38.02	+30 42.3	1.648	2.594	8.0	20.1
3 2	9 29.05	+30 41.8	1.694	2.597	11.2	20.3
3 12	9 22.21	+30 19.3	1.763	2.601	14.3	20.5
3 22	9 18.11	+29 38.0	1.851	2.605	17.1	20.7

41715 2000 UL_{73} 2 13.6 28.°94 2.°1/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.96	+ 7 14.4	1.222	2.069	18.1	19.2
1 22	10 4.45	+ 7 21.8	1.164	2.077	13.6	18.9
2 1	9 57.08	+ 7 48.7	1.126	2.086	8.3	18.6
2 11	9 47.91	+ 8 30.6	1.113	2.096	3.1	18.4
2 21	9 38.39	+ 9 20.2	1.124	2.106	4.2	18.4
3 2	9 30.04	+10 9.4	1.161	2.118	9.4	18.8
3 12	9 24.12	+10 51.0	1.221	2.130	14.3	19.1
3 22	9 21.30	+11 20.6	1.300	2.143	18.3	19.4

244560 2002 VG_{92} 2 13.6 62.°78 1.°2/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.42	+12 31.9	1.551	2.379	15.9	19.1
1 22	10 12.08	+11 45.8	1.493	2.399	11.7	18.9
2 1	10 1.13	+11 6.8	1.460	2.419	6.9	18.7
2 11	9 48.71	+10 32.7	1.454	2.439	2.0	18.4
2 21	9 36.23	+10 1.7	1.478	2.459	3.8	18.6
3 2	9 25.10	+ 9 31.8	1.531	2.479	8.5	18.9
3 12	9 16.41	+ 9 1.7	1.610	2.499	12.7	19.2
3 22	9 10.72	+ 8 30.0	1.710	2.519	16.1	19.4

35222 Delbarrio 2 13.6 302.°87 5.°1/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.05	+21 41.8	1.395	2.258	15.2	18.0
1 22	10 6.08	+23 0.0	1.327	2.252	11.2	17.8
2 1	9 58.13	+24 23.2	1.283	2.246	7.1	17.5
2 11	9 48.16	+25 40.3	1.265	2.240	5.1	17.4
2 21	9 37.61	+26 40.8	1.273	2.234	7.8	17.5
3 2	9 28.08	+27 17.4	1.306	2.229	12.2	17.8
3 12	9 20.98	+27 28.2	1.361	2.223	16.3	18.0
3 22	9 17.09	+27 15.1	1.434	2.218	19.9	18.2

290834 2005 WW_5 2 13.6 149.°00 4.°4/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 11.10	+25 34.6	2.464	3.305	10.3	20.9
1 22	10 4.94	+26 52.1	2.406	3.316	7.6	20.8
2 1	9 56.96	+28 8.2	2.375	3.327	5.2	20.6
2 11	9 47.86	+29 15.8	2.374	3.337	4.4	20.6
2 21	9 38.52	+30 9.6	2.404	3.346	6.1	20.7
3 2	9 29.86	+30 45.8	2.462	3.354	8.6	20.9
3 12	9 22.68	+31 3.7	2.546	3.362	11.1	21.1
3 22	9 17.52	+31 4.6	2.651	3.369	13.3	21.2

310545 2001 DF_{97} 2 13.6 2.°21 0.°7/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.06	+11 55.6	1.285	2.143	16.6	20.2
1 22	10 3.12	+12 41.8	1.219	2.142	12.1	19.9
2 1	9 56.38	+13 43.9	1.175	2.142	6.9	19.6
2 11	9 47.79	+14 54.3	1.156	2.142	1.4	19.3
2 21	9 38.71	+16 3.5	1.162	2.143	4.6	19.5
3 2	9 30.64	+17 2.6	1.194	2.145	10.0	19.8
3 12	9 24.89	+17 45.2	1.249	2.147	14.9	20.1
3 22	9 22.17	+18 9.0	1.322	2.151	18.9	20.3

270781 2002 RT_{200} 2 13.6 210.°90 1.°7/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.87	+17 49.1	2.967	3.798	9.0	21.9
1 22	10 2.39	+18 36.1	2.879	3.790	6.5	21.7
2 1	9 55.45	+19 26.8	2.818	3.780	3.7	21.5
2 11	9 47.56	+20 17.1	2.789	3.771	1.7	21.3
2 21	9 39.37	+21 2.7	2.791	3.760	3.4	21.4
3 2	9 31.59	+21 40.2	2.823	3.749	6.2	21.6
3 12	9 24.87	+22 7.3	2.884	3.737	8.9	21.8
3 22	9 19.71	+22 23.3	2.968	3.725	11.2	21.9

374569 2006 BH_{250} 2 13.6 183.°32 0.°2/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.27	+12 35.2	2.152	2.983	11.9	21.1
1 22	10 3.75	+12 57.4	2.074	2.983	8.7	20.9
2 1	9 56.34	+13 27.7	2.021	2.983	5.0	20.6
2 11	9 47.75	+14 2.0	1.997	2.982	1.0	20.3
2 21	9 38.85	+14 35.8	2.002	2.982	3.1	20.5
3 2	9 30.58	+15 4.8	2.037	2.981	7.0	20.7
3 12	9 23.81	+15 25.8	2.099	2.981	10.5	20.9
3 22	9 19.10	+15 37.1	2.183	2.979	13.5	21.1

421341 2013 TV_{93} 2 13.6 243.°40 7.°2/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.19	+33 49.9	2.178	3.017	11.5	20.9
1 22	10 6.91	+35 2.0	2.109	3.007	9.2	20.7
2 1	9 58.30	+36 6.5	2.067	2.997	7.5	20.6
2 11	9 48.17	+36 55.3	2.052	2.987	7.3	20.6
2 21	9 37.64	+37 22.2	2.065	2.977	8.9	20.6
3 2	9 27.92	+37 24.4	2.104	2.966	11.3	20.8
3 12	9 20.07	+37 2.9	2.166	2.955	13.7	20.9
3 22	9 14.74	+36 21.1	2.248	2.944	15.9	21.1

77018 2001 CO_{13} 2 13.6 289.°22 3.°2/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.75	+18 0.4	1.567	2.423	14.3	19.5
1 22	10 4.83	+19 5.1	1.494	2.416	10.4	19.2
2 1	9 57.28	+20 18.0	1.445	2.410	6.1	19.0
2 11	9 47.99	+21 30.2	1.422	2.404	3.2	18.8
2 21	9 38.17	+22 32.9	1.427	2.397	5.9	18.9
3 2	9 29.20	+23 19.0	1.459	2.391	10.3	19.2
3 12	9 22.31	+23 44.9	1.514	2.385	14.4	19.4
3 22	9 18.23	+23 50.8	1.589	2.379	18.0	19.6

167957 2005 EC_{245} 2 13.6 155.°36 2.°4/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.60	+ 2 43.9	2.451	3.248	11.7	20.3
1 22	10 0.90	+ 3 8.5	2.369	3.251	9.0	20.1
2 1	9 54.64	+ 3 47.5	2.311	3.254	5.9	19.9
2 11	9 47.40	+ 4 38.2	2.281	3.257	3.1	19.8
2 21	9 39.90	+ 5 36.9	2.282	3.260	3.0	19.8
3 2	9 32.90	+ 6 38.5	2.312	3.263	5.9	20.0
3 12	9 27.09	+ 7 38.2	2.371	3.265	8.9	20.1
3 22	9 22.98	+ 8 32.0	2.454	3.267	11.7	20.3

350272 2012 TP_{215} 2 13.6 148.°66 2.°5/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.73	+16 42.0	1.372	2.226	16.0	20.8
1 22	10 7.90	+17 29.7	1.307	2.228	11.6	20.5
2 1	9 59.09	+18 26.2	1.265	2.231	6.7	20.3
2 11	9 48.37	+19 22.9	1.249	2.233	2.6	20.0
2 21	9 37.18	+20 10.8	1.260	2.235	5.6	20.2
3 2	9 27.13	+20 43.2	1.297	2.236	10.6	20.5
3 12	9 19.55	+20 57.0	1.357	2.238	15.2	20.8
3 22	9 15.18	+20 52.6	1.437	2.239	19.0	21.0

206175 2002 TN_{293} 2 13.6 70.°82 5.°2/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.41	− 3 1.1	2.183	2.953	13.8	19.2
1 22	10 2.98	− 3 26.2	2.115	2.971	11.1	19.1
2 1	9 55.82	− 3 33.5	2.071	2.989	8.2	18.9
2 11	9 47.64	− 3 23.3	2.053	3.007	5.8	18.8
2 21	9 39.27	− 2 58.0	2.063	3.025	5.3	18.8
3 2	9 31.56	− 2 21.5	2.102	3.043	7.1	19.0
3 12	9 25.29	− 1 39.3	2.168	3.061	9.7	19.1
3 22	9 20.95	− 0 56.2	2.258	3.078	12.3	19.3

101630 1999 CD_{26} 2 13.6 312°.31 0°.4/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 9.10	+10 57.5	1.644	2.484	14.6	19.7
1 22	10 4.19	+11 15.2	1.563	2.476	10.8	19.4
2 1	9 56.87	+11 45.3	1.506	2.468	6.3	19.1
2 11	9 47.92	+12 23.2	1.475	2.460	1.5	18.8
2 21	9 38.48	+13 3.2	1.471	2.453	3.6	18.9
3 2	9 29.78	+13 39.3	1.495	2.445	8.4	19.2
3 12	9 22.98	+14 6.6	1.544	2.439	12.8	19.4
3 22	9 18.77	+14 22.5	1.614	2.432	16.5	19.7

282831 2006 TZ_{70} 2 13.6 108°.23 0°.1/13.6 18

1 12	10 10.17	+10 15.4	1.867	2.696	13.5	21.5
1 22	10 4.52	+11 1.5	1.805	2.713	9.9	21.3
2 1	9 56.82	+11 59.6	1.768	2.729	5.7	21.1
2 11	9 47.88	+13 3.9	1.759	2.745	1.2	20.8
2 21	9 38.72	+14 7.9	1.779	2.760	3.3	21.0
3 2	9 30.39	+15 5.5	1.829	2.775	7.5	21.3
3 12	9 23.79	+15 52.1	1.905	2.789	11.3	21.5
3 22	9 19.49	+16 25.5	2.003	2.803	14.4	21.8

92542 2000 OW_{21} 2 13.6 41°.74 0°.7/14.1 18

1 12	10 7.73	+ 7 48.0	1.229	2.079	17.8	18.7
1 22	10 3.56	+ 8 44.0	1.174	2.090	13.1	18.4
2 1	9 56.58	+10 1.5	1.140	2.103	7.7	18.1
2 11	9 47.86	+11 32.3	1.130	2.116	1.9	17.8
2 21	9 38.79	+13 5.5	1.147	2.129	4.1	18.0
3 2	9 30.87	+14 30.5	1.189	2.143	9.6	18.4
3 12	9 25.34	+15 39.1	1.254	2.157	14.5	18.7
3 22	9 22.83	+16 27.7	1.339	2.172	18.5	19.0

203580 2002 CG_{217} 2 13.6 279°.38 0°.8/12.9 18

1 12	10 9.13	+11 49.3	1.596	2.439	14.7	20.6
1 22	10 4.50	+12 45.0	1.502	2.418	10.9	20.3
2 1	9 57.22	+13 56.7	1.432	2.397	6.3	20.0
2 11	9 48.05	+15 18.0	1.389	2.375	1.3	19.6
2 21	9 38.08	+16 40.0	1.374	2.353	4.4	19.7
3 2	9 28.70	+17 53.8	1.386	2.331	9.5	20.0
3 12	9 21.21	+18 52.6	1.423	2.309	14.3	20.2
3 22	9 16.50	+19 33.0	1.480	2.286	18.3	20.4

109283 2001 QY_{119} 2 13.6 158°.02 1°.1/12.5 18

1 12	10 10.23	+14 34.4	2.526	3.353	10.5	21.8
1 22	10 4.19	+15 21.4	2.454	3.362	7.6	21.6
2 1	9 56.51	+16 14.6	2.409	3.371	4.3	21.4
2 11	9 47.82	+17 9.0	2.394	3.379	1.2	21.2
2 21	9 38.89	+18 0.0	2.410	3.386	3.2	21.4
3 2	9 30.55	+18 43.4	2.457	3.392	6.5	21.6
3 12	9 23.53	+19 16.4	2.532	3.397	9.5	21.8
3 22	9 18.33	+19 37.8	2.631	3.402	12.1	22.0

282246 2002 GE_{11} 2 13.6 237°.39 4°.2/ 8.9 17

1 12	10 8.71	+23 44.4	2.400	3.245	10.4	20.7
1 22	10 3.46	+25 12.1	2.317	3.231	7.6	20.5
2 1	9 56.29	+26 42.0	2.262	3.217	5.1	20.3
2 11	9 47.80	+28 6.8	2.237	3.203	4.3	20.3
2 21	9 38.85	+29 19.6	2.242	3.188	6.1	20.3
3 2	9 30.37	+30 15.3	2.276	3.173	9.0	20.5
3 12	9 23.26	+30 51.7	2.335	3.158	11.8	20.7
3 22	9 18.17	+31 8.9	2.416	3.141	14.2	20.8

206824 2004 EF_{19} 2 13.6 46°.22 3°.0/11.3 18

1 12	10 10.61	+21 19.3	2.042	2.888	11.9	19.8
1 22	10 4.77	+21 46.6	1.978	2.895	8.6	19.6
2 1	9 56.94	+22 14.6	1.940	2.902	5.2	19.4
2 11	9 47.91	+22 37.9	1.930	2.909	3.0	19.3
2 21	9 38.68	+22 51.8	1.949	2.917	4.9	19.4
3 2	9 30.28	+22 53.4	1.997	2.924	8.3	19.6
3 12	9 23.60	+22 41.8	2.070	2.932	11.5	19.8
3 22	9 19.15	+22 17.9	2.165	2.940	14.3	20.0

332909 2011 BU_{84} 2 13.6 307°.83 4°.1/11.1 18

1 12	10 14.01	+23 37.3	1.727	2.577	13.5	20.3
1 22	10 7.77	+24 0.4	1.648	2.565	10.0	20.1
2 1	9 58.92	+24 22.5	1.593	2.554	6.3	19.8
2 11	9 48.36	+24 36.6	1.566	2.542	4.1	19.7
2 21	9 37.34	+24 36.9	1.567	2.531	6.3	19.8
3 2	9 27.24	+24 20.4	1.595	2.520	10.1	20.0
3 12	9 19.25	+23 47.0	1.647	2.510	13.9	20.2
3 22	9 14.08	+22 58.9	1.720	2.500	17.2	20.4

422239 2014 SS_{30} 2 13.6 154°.46 2°.5/11.6 18

1 12	10 12.10	+18 1.3	1.928	2.769	12.6	21.9
1 22	10 6.00	+18 53.6	1.860	2.776	9.1	21.7
2 1	9 57.73	+19 51.1	1.819	2.782	5.3	21.5
2 11	9 48.09	+20 46.7	1.806	2.787	2.5	21.3
2 21	9 38.15	+21 34.2	1.822	2.792	4.8	21.4
3 2	9 29.02	+22 8.5	1.867	2.797	8.6	21.7
3 12	9 21.69	+22 27.4	1.938	2.801	12.1	21.9
3 22	9 16.76	+22 30.9	2.030	2.805	15.1	22.1

250441 2003 XM_{27} 2 13.6 126°.51 4°.2/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 8.41	+ 0 12.1	1.693	2.495	15.9	20.5
1 22	10 3.54	+ 0 22.2	1.616	2.498	12.5	20.3
2 1	9 56.42	+ 0 54.3	1.561	2.501	8.6	20.0
2 11	9 47.84	+ 1 46.3	1.532	2.503	5.1	19.8
2 21	9 38.84	+ 2 53.1	1.530	2.506	4.7	19.8
3 2	9 30.58	+ 4 7.5	1.556	2.508	8.0	20.0
3 12	9 24.10	+ 5 21.6	1.607	2.510	11.8	20.2
3 22	9 20.07	+ 6 28.7	1.681	2.512	15.4	20.5

120617 1995 XE_{4} 2 13.6 12°.75 2°.0/11.9 18

1 12	10 7.30	+15 42.0	1.728	2.579	13.4	19.8
1 22	10 2.75	+16 39.3	1.660	2.580	9.7	19.6
2 1	9 55.95	+17 45.3	1.616	2.582	5.5	19.3
2 11	9 47.74	+18 52.9	1.599	2.583	2.1	19.1
2 21	9 39.16	+19 54.5	1.611	2.586	4.7	19.3
3 2	9 31.37	+20 43.9	1.650	2.588	8.9	19.6
3 12	9 25.38	+21 17.1	1.714	2.591	12.7	19.8
3 22	9 21.83	+21 33.4	1.798	2.594	16.0	20.0

108901 2001 PP_{6} 2 13.6 139°.30 0°.1/13.5 18

1 12	10 9.78	+11 8.0	2.092	2.919	12.4	21.1
1 22	10 4.12	+11 49.2	2.022	2.929	9.0	20.9
2 1	9 56.57	+12 40.5	1.978	2.939	5.2	20.7
2 11	9 47.85	+13 37.0	1.962	2.948	1.1	20.4
2 21	9 38.87	+14 33.0	1.977	2.957	3.1	20.5
3 2	9 30.58	+15 23.2	2.021	2.965	7.1	20.8
3 12	9 23.85	+16 3.8	2.092	2.973	10.6	21.0
3 22	9 19.21	+16 32.6	2.186	2.980	13.5	21.3

399607 2003 WD_{156} 2 13.6 124°.58 6°.2/ 7.9 18

1 12	10 13.24	+27 20.7	1.888	2.736	12.6	21.1
1 22	10 6.98	+29 7.9	1.840	2.752	9.5	20.9
2 1	9 58.34	+30 51.8	1.820	2.767	6.9	20.8
2 11	9 48.23	+32 22.1	1.827	2.782	6.4	20.8
2 21	9 37.82	+33 30.8	1.863	2.795	8.3	21.0
3 2	9 28.38	+34 13.6	1.927	2.809	11.1	21.2
3 12	9 20.95	+34 30.6	2.013	2.821	13.9	21.4
3 22	9 16.16	+34 25.0	2.119	2.834	16.3	21.6

234470 2001 SF_{255} 2 13.6 248°.13 5°.0/19.0 17

1 12	10 5.05	− 6 25.5	2.663	3.408	12.2	20.9
1 22	10 0.53	− 6 18.4	2.557	3.394	10.1	20.7
2 1	9 54.49	− 5 52.7	2.475	3.379	7.7	20.6
2 11	9 47.43	− 5 8.8	2.419	3.364	5.7	20.4
2 21	9 40.00	− 4 8.8	2.392	3.349	5.0	20.3
3 2	9 32.92	− 2 57.0	2.394	3.333	6.5	20.4
3 12	9 26.89	− 1 38.9	2.425	3.317	8.9	20.5
3 22	9 22.44	− 0 20.2	2.481	3.300	11.4	20.7

21245 1995 XQ_{4} 2 13.6 123°.14 1°.2/12.6 18

1 12	10 8.32	+14 7.8	2.063	2.900	12.1	19.6
1 22	10 3.13	+14 57.9	1.994	2.907	8.7	19.4
2 1	9 56.03	+15 56.1	1.950	2.914	4.9	19.2
2 11	9 47.75	+16 56.8	1.936	2.921	1.3	18.9
2 21	9 39.18	+17 53.9	1.950	2.927	3.7	19.1
3 2	9 31.30	+18 42.2	1.994	2.933	7.5	19.4
3 12	9 24.98	+19 18.2	2.065	2.939	11.0	19.6
3 22	9 20.75	+19 40.5	2.157	2.945	13.9	19.8

407546 2010 WA_{50} 2 13.6 102°.11 2°.1/11.9 18

1 12	10 13.86	+17 43.4	2.080	2.915	12.1	21.3
1 22	10 6.92	+18 26.6	2.031	2.943	8.7	21.2
2 1	9 58.06	+19 13.3	2.008	2.970	4.9	21.0
2 11	9 48.15	+19 57.5	2.014	2.997	2.1	20.8
2 21	9 38.16	+20 34.0	2.051	3.023	4.2	21.0
3 2	9 29.11	+20 59.1	2.117	3.048	7.7	21.3
3 12	9 21.82	+21 11.2	2.210	3.072	10.9	21.5
3 22	9 16.77	+21 10.7	2.326	3.096	13.5	21.8

3140 Stellafane 2 13.6 121°.74 3°.2/10.3 18

1 12	10 7.73	+20 55.2	2.345	3.190	10.6	15.9
1 22	10 2.56	+22 3.7	2.282	3.198	7.6	15.8
2 1	9 55.65	+23 14.5	2.246	3.207	4.7	15.6
2 11	9 47.67	+24 21.2	2.240	3.215	3.2	15.5
2 21	9 39.44	+25 18.0	2.263	3.223	5.0	15.6
3 2	9 31.84	+26 0.9	2.316	3.231	8.0	15.8
3 12	9 25.66	+26 27.8	2.394	3.239	10.8	16.0
3 22	9 21.41	+26 38.9	2.494	3.246	13.2	16.2

275383 2011 AP_{68} 2 13.6 105°.58 0°.7/14.2 18

1 12	10 10.29	+10 8.6	1.930	2.757	13.2	21.3
1 22	10 4.62	+10 19.6	1.858	2.764	9.8	21.1
2 1	9 56.92	+10 41.0	1.811	2.770	5.8	20.9
2 11	9 47.95	+11 9.2	1.792	2.777	1.6	20.6
2 21	9 38.69	+11 39.7	1.802	2.783	3.1	20.7
3 2	9 30.21	+12 7.8	1.840	2.789	7.2	21.0
3 12	9 23.39	+12 29.8	1.906	2.796	11.0	21.2
3 22	9 18.83	+12 43.4	1.993	2.802	14.2	21.4

54389 2000 KS_{65} 2 13.6 219°.20 2°.0/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 7.95	+14 30.2	1.951	2.793	12.5	19.7
1 22	10 3.12	+15 55.8	1.872	2.788	9.0	19.5
2 1	9 56.18	+17 32.5	1.819	2.783	5.1	19.2
2 11	9 47.83	+19 12.6	1.795	2.778	2.0	19.0
2 21	9 39.01	+20 47.6	1.801	2.773	4.6	19.2
3 2	9 30.79	+22 9.9	1.836	2.768	8.6	19.4
3 12	9 24.17	+23 14.6	1.897	2.762	12.3	19.6
3 22	9 19.80	+23 59.8	1.979	2.756	15.4	19.8

219435 2000 UH_{41} 2 13.6 83°.42 3°.9/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.47	+ 0 8.3	1.964	2.754	14.5	20.4
1 22	10 3.87	+ 0 12.3	1.903	2.778	11.3	20.2
2 1	9 56.40	+ 0 34.8	1.866	2.801	7.8	20.0
2 11	9 47.84	+ 1 13.4	1.856	2.824	4.7	19.9
2 21	9 39.11	+ 2 3.7	1.874	2.847	4.3	19.9
3 2	9 31.18	+ 3 0.3	1.921	2.870	7.0	20.1
3 12	9 24.87	+ 3 57.0	1.995	2.892	10.2	20.4
3 22	9 20.68	+ 4 49.0	2.092	2.914	13.1	20.6

156190 2001 TY_{236} 2 13.6 232°.84 4°.5/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 14.09	+22 9.3	1.737	2.586	13.5	20.2
1 22	10 7.98	+23 20.8	1.657	2.574	9.9	20.0
2 1	9 59.16	+24 36.1	1.601	2.561	6.3	19.8
2 11	9 48.48	+25 46.0	1.573	2.547	4.6	19.6
2 21	9 37.16	+26 41.7	1.574	2.533	6.9	19.7
3 2	9 26.61	+27 17.1	1.603	2.518	10.8	19.9
3 12	9 18.12	+27 30.1	1.655	2.503	14.6	20.1
3 22	9 12.47	+27 22.1	1.727	2.486	17.9	20.3

147776 2005 QR_{100} 2 13.6 209°.47 1°.9/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.50	+ 4 49.6	2.800	3.599	10.4	20.5
1 22	10 0.71	+ 5 4.7	2.709	3.595	7.9	20.3
2 1	9 54.53	+ 5 30.9	2.644	3.591	5.1	20.1
2 11	9 47.46	+ 6 6.1	2.608	3.586	2.4	19.9
2 21	9 40.12	+ 6 47.0	2.602	3.581	2.6	19.9
3 2	9 33.19	+ 7 30.2	2.627	3.576	5.3	20.1
3 12	9 27.29	+ 8 11.8	2.680	3.570	8.2	20.3
3 22	9 22.89	+ 8 48.8	2.758	3.565	10.7	20.4

217095 2001 VO_{107} 2 13.6 162°.10 1°.0/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.96	+ 8 20.1	2.362	3.174	11.6	22.0
1 22	10 4.10	+ 8 42.2	2.284	3.181	8.6	21.8
2 1	9 56.52	+ 9 14.7	2.231	3.186	5.2	21.6
2 11	9 47.89	+ 9 54.4	2.208	3.192	1.7	21.4
2 21	9 38.98	+10 37.1	2.215	3.196	2.7	21.4
3 2	9 30.66	+11 18.4	2.253	3.200	6.2	21.7
3 12	9 23.71	+11 54.6	2.319	3.204	9.5	21.9
3 22	9 18.63	+12 23.0	2.409	3.206	12.3	22.1

332841 2010 EA_{6} 2 13.6 149°.21 3°.3/16.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.21	+ 1 50.0	2.289	3.078	12.7	21.1
1 22	10 3.60	+ 1 45.0	2.209	3.085	9.9	20.9
2 1	9 56.26	+ 1 54.4	2.153	3.091	6.7	20.7
2 11	9 47.83	+ 2 16.7	2.126	3.097	3.9	20.6
2 21	9 39.13	+ 2 49.1	2.128	3.102	3.8	20.6
3 2	9 31.01	+ 3 27.3	2.160	3.107	6.4	20.7
3 12	9 24.27	+ 4 6.9	2.219	3.112	9.5	20.9
3 22	9 19.41	+ 4 43.7	2.303	3.116	12.3	21.1

183371 2002 XP_{20} 2 13.6 138°.32 0°.4/13.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.64	+12 36.3	2.088	2.916	12.4	21.2
1 22	10 5.46	+13 7.3	2.020	2.928	9.0	21.0
2 1	9 57.35	+13 46.6	1.978	2.939	5.1	20.7
2 11	9 48.06	+14 29.5	1.964	2.950	1.0	20.5
2 21	9 38.54	+15 10.9	1.981	2.960	3.2	20.7
3 2	9 29.77	+15 46.1	2.027	2.970	7.1	20.9
3 12	9 22.61	+16 12.0	2.100	2.979	10.6	21.2
3 22	9 17.62	+16 27.1	2.197	2.987	13.6	21.4

293826 2007 RT_{203} 2 13.6 211°.95 0°.2/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.82	+10 30.1	1.950	2.775	13.2	22.1
1 22	10 5.90	+11 0.8	1.863	2.768	9.8	21.9
2 1	9 57.78	+11 43.3	1.801	2.760	5.7	21.6
2 11	9 48.19	+12 32.9	1.767	2.752	1.3	21.3
2 21	9 38.11	+13 24.1	1.763	2.743	3.3	21.4
3 2	9 28.66	+14 11.1	1.788	2.734	7.7	21.7
3 12	9 20.86	+14 49.2	1.840	2.724	11.7	21.9
3 22	9 15.41	+15 16.0	1.915	2.713	15.0	22.1

326706 2003 BY_{74} 2 13.6 336°.02 7°.0/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.14	+26 20.8	1.512	2.378	14.1	20.4
1 22	10 3.92	+28 9.3	1.449	2.371	10.7	20.2
2 1	9 56.92	+29 58.3	1.410	2.364	7.8	20.0
2 11	9 48.03	+31 35.5	1.398	2.358	7.2	19.9
2 21	9 38.58	+32 50.0	1.411	2.352	9.6	20.0
3 2	9 30.05	+33 35.1	1.449	2.347	13.1	20.2
3 12	9 23.77	+33 49.8	1.509	2.342	16.6	20.4
3 22	9 20.50	+33 37.0	1.586	2.338	19.5	20.6

252271 2001 QK_{200} 2 13.6 91°.33 5°.7/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 11.78	− 4 6.8	2.004	2.768	15.1	20.8
1 22	10 5.50	− 4 28.3	1.944	2.795	12.2	20.6
2 1	9 57.33	− 4 29.3	1.907	2.821	9.0	20.5
2 11	9 48.06	− 4 10.4	1.895	2.847	6.4	20.4
2 21	9 38.63	− 3 34.6	1.912	2.873	5.8	20.4
3 2	9 30.03	− 2 46.9	1.958	2.897	7.6	20.5
3 12	9 23.09	− 1 53.5	2.031	2.922	10.4	20.7
3 22	9 18.31	− 1 0.2	2.127	2.945	13.0	20.9

234791 2002 QN_{37} 2 13.6 187°.00 1°.0/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.21	+14 47.0	2.285	3.120	11.2	21.5
1 22	10 2.95	+15 20.6	2.207	3.119	8.1	21.3
2 1	9 55.92	+16 0.6	2.156	3.119	4.6	21.0
2 11	9 47.78	+16 42.6	2.133	3.119	1.2	20.8
2 21	9 39.34	+17 21.6	2.141	3.118	3.3	20.9
3 2	9 31.50	+17 53.7	2.177	3.117	6.9	21.2
3 12	9 25.05	+18 15.9	2.241	3.116	10.2	21.4
3 22	9 20.53	+18 27.1	2.328	3.115	13.0	21.6

421311 2013 TX_{45} 2 13.6 161°.62 0°.6/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.55	+ 9 29.2	2.346	3.164	11.5	21.8
1 22	10 3.11	+ 9 55.4	2.268	3.169	8.5	21.6
2 1	9 55.98	+10 31.6	2.215	3.173	5.0	21.4
2 11	9 47.79	+11 14.0	2.192	3.177	1.4	21.1
2 21	9 39.33	+11 58.5	2.199	3.180	2.7	21.2
3 2	9 31.44	+12 40.5	2.236	3.183	6.3	21.4
3 12	9 24.90	+13 16.3	2.301	3.186	9.6	21.7
3 22	9 20.21	+13 43.5	2.390	3.188	12.4	21.8

341610 2007 UL_{127} 2 13.6 120°.15 4°.0/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.12	− 2 27.3	2.602	3.369	11.9	21.4
1 22	10 1.19	− 2 24.9	2.524	3.381	9.5	21.3
2 1	9 54.80	− 2 6.7	2.470	3.392	6.9	21.1
2 11	9 47.54	− 1 34.0	2.444	3.403	4.6	21.0
2 21	9 40.06	− 0 49.4	2.447	3.413	4.2	21.0
3 2	9 33.08	+ 0 2.9	2.480	3.424	5.9	21.1
3 12	9 27.26	+ 0 58.2	2.541	3.434	8.5	21.3
3 22	9 23.04	+ 1 52.0	2.627	3.444	10.9	21.5

108993 2001 PR_{58} 2 13.6 156°.91 0°.7/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.00	+13 8.5	2.304	3.131	11.4	21.6
1 22	10 4.19	+13 55.3	2.231	3.139	8.2	21.4
2 1	9 56.61	+14 50.0	2.185	3.147	4.6	21.2
2 11	9 47.93	+15 47.7	2.168	3.154	1.1	20.9
2 21	9 38.97	+16 42.9	2.182	3.160	3.2	21.1
3 2	9 30.65	+17 31.0	2.226	3.165	6.8	21.4
3 12	9 23.75	+18 8.6	2.298	3.170	10.1	21.6
3 22	9 18.80	+18 34.2	2.393	3.175	12.9	21.8

113696 2002 TL_{121} 2 13.6 210°.61 4°.0/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.09	− 0 38.9	2.427	3.205	12.4	19.5
1 22	10 2.07	− 0 46.1	2.336	3.202	9.8	19.3
2 1	9 55.40	− 0 38.0	2.270	3.199	7.0	19.1
2 11	9 47.68	− 0 15.4	2.231	3.195	4.6	19.0
2 21	9 39.63	+ 0 19.1	2.222	3.191	4.2	18.9
3 2	9 32.05	+ 1 1.8	2.242	3.187	6.4	19.1
3 12	9 25.69	+ 1 47.8	2.289	3.183	9.2	19.2
3 22	9 21.08	+ 2 32.9	2.361	3.179	11.9	19.4

393236 2013 PJ_{43} 2 13.6 175°.21 0°.3/13.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.44	+11 14.7	2.490	3.308	10.9	22.0
1 22	10 4.40	+11 29.2	2.409	3.311	8.0	21.8
2 1	9 56.69	+11 51.3	2.354	3.313	4.7	21.6
2 11	9 47.95	+12 17.7	2.329	3.314	1.1	21.3
2 21	9 38.94	+12 44.8	2.335	3.315	2.6	21.4
3 2	9 30.49	+13 9.1	2.371	3.315	6.1	21.7
3 12	9 23.35	+13 27.9	2.435	3.315	9.3	21.9
3 22	9 18.05	+13 39.4	2.524	3.315	12.0	22.0

20203 1997 ED_{25} 2 13.6 137°.42 2°.6/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.99	+18 27.1	2.053	2.898	11.8	19.2
1 22	10 3.70	+19 24.9	1.985	2.902	8.5	19.0
2 1	9 56.42	+20 27.4	1.943	2.906	5.0	18.8
2 11	9 47.90	+21 28.2	1.930	2.910	2.6	18.6
2 21	9 39.08	+22 20.9	1.945	2.914	4.8	18.8
3 2	9 30.97	+23 0.7	1.990	2.918	8.3	19.0
3 12	9 24.46	+23 25.1	2.060	2.921	11.6	19.2
3 22	9 20.14	+23 33.8	2.152	2.925	14.4	19.4

104328 2000 FW_{7} 2 13.6 4°.70 6°.0/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.32	+27 43.7	1.987	2.841	11.8	19.1
1 22	10 3.44	+29 13.5	1.927	2.841	8.9	18.9
2 1	9 56.37	+30 40.8	1.893	2.841	6.6	18.8
2 11	9 47.90	+31 57.0	1.886	2.842	6.1	18.7
2 21	9 39.07	+32 54.7	1.907	2.842	7.9	18.8
3 2	9 31.00	+33 29.4	1.955	2.843	10.7	19.0
3 12	9 24.69	+33 40.7	2.026	2.844	13.5	19.2
3 22	9 20.77	+33 30.5	2.116	2.845	15.9	19.4

69082 2003 AY_{75} 2 13.6 148°.83 2°.8/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 17.25	+19 9.2	1.705	2.545	14.1	19.3
1 22	10 9.95	+19 44.8	1.640	2.555	10.2	19.1
2 1	10 0.10	+20 23.8	1.601	2.564	6.0	18.8
2 11	9 48.68	+20 59.0	1.590	2.572	2.8	18.7
2 21	9 36.98	+21 24.2	1.608	2.579	5.2	18.8
3 2	9 26.36	+21 35.3	1.654	2.586	9.4	19.1
3 12	9 17.94	+21 30.9	1.726	2.592	13.2	19.3
3 22	9 12.35	+21 12.4	1.819	2.597	16.5	19.6

496560 2014 XB_{2} 2 13.6 99°.19 4°.4/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 15.24	+25 30.6	1.990	2.832	12.3	21.6
1 22	10 8.15	+26 6.7	1.936	2.848	9.0	21.4
2 1	9 58.89	+26 39.5	1.908	2.863	5.9	21.3
2 11	9 48.41	+27 2.6	1.908	2.878	4.4	21.2
2 21	9 37.82	+27 11.2	1.938	2.893	6.2	21.3
3 2	9 28.26	+27 3.0	1.995	2.907	9.2	21.5
3 12	9 20.67	+26 38.8	2.078	2.922	12.2	21.8
3 22	9 15.57	+26 0.8	2.183	2.936	14.8	22.0

239239 2006 SS_{295} 2 13.6 183°.80 0°.9/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.38	+ 8 25.5	2.597	3.412	10.6	21.1
1 22	10 1.44	+ 8 47.6	2.514	3.412	7.9	20.9
2 1	9 55.00	+ 9 19.4	2.456	3.412	4.7	20.7
2 11	9 47.62	+ 9 57.8	2.428	3.411	1.5	20.5
2 21	9 39.97	+10 39.3	2.430	3.411	2.4	20.6
3 2	9 32.80	+11 19.8	2.462	3.410	5.7	20.8
3 12	9 26.78	+11 55.9	2.522	3.409	8.8	21.0
3 22	9 22.41	+12 25.0	2.606	3.408	11.4	21.1

397827 2008 SP_{148} 2 13.6 43°.55 15°.7/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.88	−27 5.1	1.131	1.812	28.7	19.3
1 22	10 5.10	−27 30.6	1.103	1.855	25.6	19.2
2 1	9 57.39	−26 59.7	1.085	1.900	22.2	19.1
2 11	9 48.12	−25 29.4	1.082	1.944	19.0	19.1
2 21	9 38.91	−23 5.3	1.097	1.989	16.6	19.1
3 2	9 31.32	−20 1.4	1.134	2.035	15.7	19.2
3 12	9 26.46	−16 38.3	1.194	2.080	16.4	19.4
3 22	9 24.78	−13 15.8	1.275	2.125	18.2	19.6

283901 2004 DO_{28} 2 13.6 31°.33 0°.5/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.66	+ 7 16.8	2.051	2.876	12.7	20.3
1 22	10 0.56	+ 8 26.2	1.975	2.879	9.3	20.1
2 1	9 54.64	+ 9 51.1	1.924	2.883	5.5	19.9
2 11	9 47.58	+11 26.0	1.902	2.887	1.4	19.6
2 21	9 40.19	+13 3.6	1.910	2.891	2.9	19.7
3 2	9 33.38	+14 36.5	1.947	2.896	6.9	20.0
3 12	9 27.99	+15 58.4	2.012	2.900	10.6	20.2
3 22	9 24.56	+17 5.6	2.100	2.905	13.6	20.4

52000 2001 UY_{22} 2 13.6 213°.68 3°.9/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.09	− 0 56.4	2.587	3.361	11.8	18.5
1 22	10 2.00	− 1 7.4	2.495	3.356	9.4	18.3
2 1	9 55.37	− 1 4.1	2.426	3.352	6.8	18.2
2 11	9 47.73	− 0 47.0	2.386	3.347	4.5	18.0
2 21	9 39.78	− 0 18.4	2.375	3.342	4.1	18.0
3 2	9 32.26	+ 0 18.4	2.393	3.337	6.1	18.1
3 12	9 25.88	+ 0 59.2	2.440	3.332	8.8	18.2
3 22	9 21.14	+ 1 39.7	2.511	3.326	11.4	18.4

280777 2005 SU_{72} 2 13.6 138°.93 1°.4/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.67	+ 6 27.9	1.743	2.560	14.9	21.6
1 22	10 6.55	+ 7 6.6	1.675	2.573	11.1	21.4
2 1	9 58.15	+ 8 1.8	1.631	2.586	6.8	21.1
2 11	9 48.33	+ 9 8.5	1.615	2.598	2.3	20.9
2 21	9 38.19	+10 19.8	1.628	2.609	3.3	21.0
3 2	9 28.93	+11 28.5	1.670	2.619	7.8	21.3
3 12	9 21.55	+12 28.5	1.738	2.629	11.8	21.5
3 22	9 16.68	+13 16.1	1.829	2.638	15.2	21.8

172365 2002 XR_{64} 2 13.6 169°.91 5°.1/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.75	+29 30.4	2.581	3.421	9.8	20.3
1 22	10 4.04	+30 35.8	2.518	3.424	7.5	20.1
2 1	9 56.56	+31 37.0	2.483	3.426	5.6	20.0
2 11	9 47.98	+32 27.9	2.477	3.428	5.2	20.0
2 21	9 39.14	+33 3.7	2.500	3.429	6.6	20.1
3 2	9 30.95	+33 21.5	2.551	3.430	8.9	20.2
3 12	9 24.18	+33 21.2	2.626	3.431	11.1	20.4
3 22	9 19.37	+33 4.5	2.723	3.432	13.2	20.5

500503 2012 TG_{285} 2 13.6 132°.00 1°.6/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.12	+ 5 32.6	2.683	3.486	10.7	22.2
1 22	10 1.18	+ 5 53.9	2.606	3.495	8.0	22.1
2 1	9 54.82	+ 6 26.2	2.555	3.504	5.1	21.9
2 11	9 47.61	+ 7 6.8	2.533	3.513	2.2	21.7
2 21	9 40.19	+ 7 52.3	2.541	3.522	2.5	21.7
3 2	9 33.26	+ 8 38.7	2.580	3.530	5.4	21.9
3 12	9 27.46	+ 9 22.2	2.648	3.538	8.3	22.1
3 22	9 23.21	+ 9 59.9	2.740	3.546	10.8	22.3

159433 1999 VO_{93} 2 13.6 196°.55 2°.7/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 7.46	+ 2 28.4	2.352	3.146	12.2	20.9
1 22	10 2.40	+ 2 44.6	2.264	3.144	9.5	20.7
2 1	9 55.65	+ 3 15.7	2.200	3.142	6.3	20.5
2 11	9 47.80	+ 3 59.5	2.164	3.139	3.4	20.3
2 21	9 39.62	+ 4 52.3	2.158	3.135	3.3	20.3
3 2	9 31.93	+ 5 49.2	2.182	3.132	6.2	20.5
3 12	9 25.51	+ 6 45.3	2.234	3.128	9.4	20.6
3 22	9 20.90	+ 7 36.1	2.310	3.123	12.3	20.8

348585 2005 WP_{111} 2 13.6 117°.21 3°.4/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 14.13	+18 25.5	1.555	2.404	14.7	21.1
1 22	10 7.87	+19 36.0	1.500	2.419	10.6	20.9
2 1	9 58.99	+20 52.2	1.470	2.433	6.2	20.6
2 11	9 48.51	+22 4.9	1.467	2.447	3.4	20.5
2 21	9 37.76	+23 5.3	1.492	2.461	5.9	20.7
3 2	9 28.12	+23 47.4	1.544	2.473	10.1	21.0
3 12	9 20.74	+24 8.9	1.621	2.486	14.0	21.2
3 22	9 16.24	+24 11.0	1.718	2.497	17.2	21.5

522591 2016 EF_{247} 2 13.6 268°.23 0°.5/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.22	+10 24.9	1.887	2.718	13.3	22.1
1 22	10 4.05	+10 43.9	1.806	2.713	9.9	21.9
2 1	9 56.75	+11 14.3	1.749	2.709	5.8	21.6
2 11	9 48.06	+11 51.9	1.719	2.704	1.5	21.3
2 21	9 38.95	+12 31.7	1.718	2.699	3.2	21.4
3 2	9 30.51	+13 8.4	1.745	2.695	7.5	21.7
3 12	9 23.73	+13 37.7	1.799	2.690	11.5	21.9
3 22	9 19.23	+13 57.1	1.875	2.685	14.9	22.1

80012 1999 GT_{4} 2 13.6 255°.15 0°.8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.26	+14 12.0	2.465	3.297	10.6	19.2
1 22	10 2.26	+14 44.3	2.375	3.285	7.7	19.0
2 1	9 55.58	+15 23.4	2.311	3.273	4.4	18.8
2 11	9 47.80	+16 5.3	2.276	3.261	1.1	18.5
2 21	9 39.67	+16 45.4	2.271	3.249	3.1	18.7
3 2	9 32.00	+17 19.7	2.297	3.237	6.6	18.9
3 12	9 25.57	+17 45.2	2.349	3.225	9.8	19.0
3 22	9 20.93	+18 0.4	2.425	3.212	12.6	19.2

407503 2010 VP_{91} 2 13.6 93°.33 0°.1/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.62	+11 2.1	1.855	2.684	13.6	21.7
1 22	10 5.57	+11 31.6	1.797	2.705	9.9	21.5
2 1	9 57.48	+12 11.5	1.765	2.725	5.7	21.3
2 11	9 48.19	+12 56.8	1.760	2.746	1.2	21.0
2 21	9 38.73	+13 41.6	1.785	2.766	3.2	21.2
3 2	9 30.18	+14 21.0	1.839	2.785	7.4	21.5
3 12	9 23.42	+14 51.0	1.919	2.804	11.1	21.7
3 22	9 18.99	+15 10.0	2.021	2.823	14.2	22.0

84734 2002 WX_{11} 2 13.6 24°.36 6°.3/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.77	− 5 11.4	1.446	2.241	18.5	18.7
1 22	10 1.20	− 4 54.5	1.377	2.247	15.0	18.5
2 1	9 55.25	− 4 6.2	1.327	2.254	11.1	18.3
2 11	9 47.75	− 2 48.1	1.301	2.261	7.5	18.1
2 21	9 39.85	− 1 6.4	1.300	2.270	6.4	18.0
3 2	9 32.80	+ 0 48.5	1.325	2.279	8.9	18.2
3 12	9 27.69	+ 2 44.7	1.375	2.288	12.7	18.4
3 22	9 25.18	+ 4 32.2	1.447	2.298	16.3	18.7

372485 2009 SL_{216} 2 13.6 188°.39 1°.3/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.40	+15 10.4	1.931	2.770	12.7	21.7
1 22	10 4.86	+15 43.5	1.856	2.770	9.2	21.5
2 1	9 57.18	+16 23.8	1.806	2.769	5.2	21.2
2 11	9 48.16	+17 5.9	1.784	2.769	1.5	21.0
2 21	9 38.78	+17 44.2	1.791	2.768	3.9	21.1
3 2	9 30.13	+18 13.9	1.827	2.767	8.0	21.4
3 12	9 23.18	+18 31.9	1.889	2.766	11.7	21.6
3 22	9 18.54	+18 37.2	1.972	2.765	14.8	21.8

204340 2004 RX_{287} 2 13.6 98°.82 2°.3/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 14.74	+16 57.1	1.579	2.425	14.8	20.5
1 22	10 8.17	+17 43.2	1.527	2.444	10.6	20.3
2 1	9 59.10	+18 35.4	1.499	2.463	6.1	20.1
2 11	9 48.55	+19 26.1	1.498	2.481	2.4	19.9
2 21	9 37.82	+20 8.0	1.525	2.499	5.0	20.1
3 2	9 28.26	+20 36.0	1.580	2.517	9.3	20.4
3 12	9 20.92	+20 48.0	1.660	2.534	13.2	20.7
3 22	9 16.40	+20 44.6	1.761	2.551	16.5	20.9

348574 2005 WE_{29} 2 13.6 300°.18 1°.0/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.24	+ 9 42.3	1.349	2.193	16.9	21.0
1 22	10 6.29	+ 9 52.5	1.271	2.184	12.6	20.7
2 1	9 58.39	+10 18.6	1.214	2.175	7.6	20.4
2 11	9 48.47	+10 56.1	1.182	2.167	2.1	20.0
2 21	9 37.86	+11 38.3	1.176	2.158	4.1	20.1
3 2	9 28.16	+12 17.9	1.196	2.150	9.6	20.4
3 12	9 20.75	+12 48.9	1.240	2.142	14.7	20.6
3 22	9 16.49	+13 7.6	1.303	2.134	19.0	20.9

36772 2000 RF_{99} 2 13.6 321°.02 6°.6/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 6.79	− 5 14.2	2.076	2.841	14.6	17.2
1 22	10 2.21	− 5 56.3	1.980	2.828	12.1	17.0
2 1	9 55.70	− 6 19.5	1.907	2.815	9.5	16.8
2 11	9 47.87	− 6 22.5	1.859	2.803	7.2	16.6
2 21	9 39.54	− 6 5.9	1.837	2.791	6.7	16.6
3 2	9 31.68	− 5 32.9	1.843	2.779	8.3	16.6
3 12	9 25.20	− 4 49.0	1.875	2.768	11.0	16.8
3 22	9 20.76	− 4 0.3	1.929	2.757	13.8	16.9

148707 Dodelson 2 13.6 178°.89 2°.3/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.22	+16 48.2	2.267	3.104	11.2	20.8
1 22	10 3.80	+18 5.0	2.192	3.106	8.0	20.6
2 1	9 56.51	+19 28.5	2.144	3.107	4.6	20.4
2 11	9 48.02	+20 52.1	2.126	3.108	2.3	20.3
2 21	9 39.17	+22 8.9	2.139	3.108	4.4	20.4
3 2	9 30.89	+23 13.4	2.182	3.107	7.8	20.6
3 12	9 24.04	+24 2.1	2.251	3.106	11.0	20.8
3 22	9 19.19	+24 34.2	2.343	3.104	13.7	21.0

101991 1999 RK_{67} 2 13.6 168°.17 2°.3/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.80	+ 3 21.1	2.118	2.917	13.2	21.0
1 22	10 4.23	+ 3 57.7	2.037	2.922	10.1	20.8
2 1	9 56.77	+ 4 51.1	1.980	2.927	6.5	20.6
2 11	9 48.08	+ 5 57.7	1.952	2.931	3.0	20.4
2 21	9 39.05	+ 7 12.2	1.954	2.934	3.2	20.4
3 2	9 30.63	+ 8 28.2	1.986	2.936	6.7	20.6
3 12	9 23.68	+ 9 39.6	2.046	2.937	10.3	20.9
3 22	9 18.78	+10 41.8	2.130	2.938	13.4	21.1

306118 2010 JC_{77} 2 13.6 118°.29 5°.0/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 14.56	+23 37.6	1.649	2.500	13.9	20.8
1 22	10 8.15	+24 48.2	1.595	2.512	10.2	20.6
2 1	9 59.16	+25 58.6	1.566	2.524	6.6	20.4
2 11	9 48.58	+26 59.5	1.564	2.535	5.0	20.3
2 21	9 37.75	+27 43.0	1.590	2.546	7.2	20.5
3 2	9 28.02	+28 4.8	1.644	2.557	10.8	20.7
3 12	9 20.53	+28 4.6	1.720	2.567	14.2	20.9
3 22	9 15.90	+27 45.1	1.817	2.577	17.1	21.2

167103 2003 SL_{50} 2 13.6 21°.06 3°.9/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.48	+ 2 9.0	1.348	2.174	17.9	19.4
1 22	10 3.34	+ 2 18.9	1.280	2.177	13.9	19.1
2 1	9 56.56	+ 2 53.5	1.232	2.181	9.3	18.9
2 11	9 48.06	+ 3 49.6	1.209	2.186	4.9	18.6
2 21	9 39.10	+ 5 0.6	1.211	2.191	4.7	18.6
3 2	9 31.09	+ 6 17.4	1.239	2.197	8.9	18.9
3 12	9 25.23	+ 7 30.8	1.291	2.203	13.5	19.1
3 22	9 22.23	+ 8 33.5	1.364	2.210	17.5	19.4

245751 2006 DT_{181} 2 13.6 319°.07 1°.2/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.59	+13 16.2	1.381	2.235	16.0	20.6
1 22	10 5.01	+14 2.6	1.308	2.229	11.7	20.3
2 1	9 57.61	+15 2.9	1.257	2.223	6.7	20.0
2 11	9 48.31	+16 9.5	1.232	2.217	1.6	19.7
2 21	9 38.41	+17 13.4	1.233	2.212	4.8	19.9
3 2	9 29.43	+18 6.3	1.260	2.207	10.1	20.2
3 12	9 22.69	+18 42.7	1.310	2.202	14.8	20.4
3 22	9 18.98	+19 0.8	1.380	2.198	18.8	20.7

401121 2011 UF_{281} 2 13.6 92°.42 3°.0/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.18	+17 38.9	1.551	2.403	14.6	21.1
1 22	10 6.45	+18 45.3	1.497	2.417	10.5	20.9
2 1	9 58.19	+19 58.3	1.466	2.431	6.1	20.6
2 11	9 48.39	+21 9.0	1.463	2.445	3.0	20.5
2 21	9 38.31	+22 8.9	1.488	2.458	5.6	20.7
3 2	9 29.31	+22 51.8	1.539	2.472	9.9	20.9
3 12	9 22.49	+23 15.2	1.615	2.485	13.8	21.2
3 22	9 18.46	+23 19.8	1.711	2.498	17.0	21.5

340586 2006 PL_{20} 2 13.6 110°.66 9°.9/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.07	+48 54.4	2.597	3.387	11.3	20.6
1 22	10 9.77	+50 24.4	2.573	3.401	10.3	20.6
2 1	9 59.99	+51 36.3	2.572	3.415	9.9	20.6
2 11	9 48.75	+52 23.1	2.597	3.428	10.2	20.6
2 21	9 37.31	+52 40.9	2.646	3.441	11.2	20.7
3 2	9 26.98	+52 29.8	2.717	3.454	12.4	20.8
3 12	9 18.82	+51 53.1	2.807	3.467	13.7	20.9
3 22	9 13.43	+50 55.8	2.913	3.479	14.8	21.1

62320 2000 SC_{123} 2 13.6 103°.74 3°.1/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.62	+ 1 20.0	2.016	2.814	13.9	19.8
1 22	10 2.65	+ 1 45.3	1.944	2.826	10.7	19.6
2 1	9 55.84	+ 2 28.8	1.896	2.838	7.2	19.4
2 11	9 47.88	+ 3 27.6	1.875	2.849	3.9	19.2
2 21	9 39.66	+ 4 36.6	1.883	2.861	3.7	19.2
3 2	9 32.11	+ 5 49.4	1.921	2.872	6.7	19.4
3 12	9 26.06	+ 6 59.6	1.985	2.883	10.2	19.6
3 22	9 22.06	+ 8 2.3	2.073	2.894	13.2	19.9

9595 1991 RE_{11} 2 13.6 66°.31 2°.0/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 14.46	+ 8 2.8	1.280	2.117	18.0	17.3
1 22	10 8.30	+ 8 1.5	1.228	2.137	13.4	17.1
2 1	9 59.30	+ 8 17.1	1.198	2.156	8.2	16.8
2 11	9 48.62	+ 8 45.1	1.193	2.176	2.9	16.6
2 21	9 37.75	+ 9 19.3	1.215	2.196	4.1	16.7
3 2	9 28.22	+ 9 52.8	1.262	2.216	9.2	17.0
3 12	9 21.23	+10 20.0	1.334	2.236	13.8	17.4
3 22	9 17.37	+10 37.6	1.425	2.256	17.6	17.7

16800 1997 JQ_{16} 2 13.6 322°.56 0°.7/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.39	+12 1.5	1.141	2.005	17.8	18.6
1 22	10 3.99	+12 38.6	1.062	1.987	13.2	18.3
2 1	9 57.33	+13 34.4	1.003	1.970	7.7	17.9
2 11	9 48.30	+14 41.6	0.967	1.953	1.6	17.5
2 21	9 38.36	+15 50.1	0.956	1.938	5.1	17.7
3 2	9 29.32	+16 49.3	0.969	1.923	11.3	18.0
3 12	9 22.81	+17 31.4	1.003	1.909	16.9	18.2
3 22	9 19.85	+17 53.0	1.055	1.896	21.7	18.5

6787 1991 PF_{15} 2 13.6 216°.95 1°.9/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.66	+ 6 51.9	1.712	2.531	15.0	17.4
1 22	10 6.81	+ 7 4.5	1.626	2.524	11.4	17.2
2 1	9 58.49	+ 7 33.0	1.563	2.517	7.1	16.9
2 11	9 48.50	+ 8 13.8	1.527	2.510	2.7	16.6
2 21	9 37.92	+ 9 1.6	1.520	2.501	3.6	16.6
3 2	9 28.06	+ 9 50.2	1.541	2.492	8.2	16.9
3 12	9 20.06	+10 33.7	1.588	2.483	12.5	17.1
3 22	9 14.68	+11 8.0	1.658	2.472	16.3	17.3

493791 2015 UO_{68} 2 13.7 96°.95 2°.0/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.23	+ 5 9.6	1.395	2.225	17.2	21.8
1 22	10 5.26	+ 5 51.9	1.330	2.234	12.9	21.5
2 1	9 57.63	+ 6 56.4	1.287	2.243	8.0	21.3
2 11	9 48.30	+ 8 17.4	1.269	2.252	3.0	21.0
2 21	9 38.55	+ 9 46.0	1.278	2.260	3.9	21.1
3 2	9 29.79	+11 12.3	1.314	2.268	8.9	21.4
3 12	9 23.24	+12 27.8	1.375	2.277	13.5	21.7
3 22	9 19.56	+13 27.4	1.456	2.285	17.5	21.9

345093 2005 MO_{29} 2 13.7 309°.73 4°.2/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.54	+ 0 22.9	2.224	3.012	13.1	20.4
1 22	10 2.59	− 0 1.1	2.132	3.003	10.4	20.2
2 1	9 55.85	− 0 10.3	2.064	2.996	7.4	20.0
2 11	9 47.91	− 0 5.0	2.023	2.988	4.8	19.8
2 21	9 39.58	+ 0 12.9	2.010	2.980	4.5	19.8
3 2	9 31.75	+ 0 40.0	2.026	2.973	6.9	19.9
3 12	9 25.24	+ 1 11.8	2.069	2.965	9.9	20.1
3 22	9 20.64	+ 1 43.8	2.136	2.958	12.9	20.3

248104 2004 RJ_{98} 2 13.7 105°.40 3°.6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.77	+ 0 29.7	2.030	2.823	14.0	21.0
1 22	10 2.77	+ 0 44.1	1.956	2.834	10.9	20.8
2 1	9 55.92	+ 1 16.9	1.906	2.844	7.5	20.6
2 11	9 47.92	+ 2 5.6	1.883	2.854	4.3	20.4
2 21	9 39.64	+ 3 5.9	1.889	2.864	4.0	20.4
3 2	9 32.02	+ 4 11.8	1.923	2.874	6.8	20.6
3 12	9 25.90	+ 5 17.0	1.985	2.884	10.2	20.8
3 22	9 21.81	+ 6 16.5	2.070	2.893	13.2	21.1

243519 2010 CX_{34} 2 13.7 180°.19 4°.4/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.64	+26 50.2	2.345	3.185	10.7	21.1
1 22	10 6.22	+27 27.3	2.277	3.186	8.0	21.0
2 1	9 57.86	+28 1.0	2.234	3.186	5.5	20.8
2 11	9 48.33	+28 25.7	2.221	3.186	4.4	20.7
2 21	9 38.56	+28 36.9	2.237	3.186	6.0	20.8
3 2	9 29.55	+28 32.2	2.282	3.186	8.6	21.0
3 12	9 22.15	+28 11.7	2.352	3.185	11.4	21.2
3 22	9 16.90	+27 37.3	2.444	3.184	13.7	21.3

63456 2001 OS_{5} 2 13.7 147°.95 4°.1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.28	− 2 36.2	2.596	3.362	12.0	19.7
1 22	10 1.39	− 2 34.7	2.512	3.368	9.6	19.6
2 1	9 55.02	− 2 17.1	2.453	3.374	7.0	19.4
2 11	9 47.73	− 1 44.7	2.421	3.379	4.7	19.3
2 21	9 40.18	− 1 0.0	2.418	3.384	4.2	19.2
3 2	9 33.11	− 0 7.2	2.445	3.389	6.0	19.4
3 12	9 27.18	+ 0 49.1	2.500	3.393	8.6	19.5
3 22	9 22.86	+ 1 44.1	2.580	3.397	11.0	19.7

88426 2001 QZ_{61} 2 13.7 60°.53 1°.1/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.71	+ 5 46.6	1.547	2.375	15.9	18.3
1 22	10 3.75	+ 6 54.0	1.498	2.402	11.7	18.1
2 1	9 56.55	+ 8 20.5	1.472	2.430	7.0	17.9
2 11	9 48.05	+ 9 58.5	1.473	2.457	2.2	17.6
2 21	9 39.39	+11 38.6	1.503	2.485	3.4	17.8
3 2	9 31.75	+13 11.7	1.561	2.512	8.0	18.1
3 12	9 26.08	+14 30.8	1.644	2.540	12.1	18.4
3 22	9 22.91	+15 32.3	1.750	2.567	15.4	18.7

113191 2002 RJ_{107} 2 13.7 97.°89 1.°4/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 9.51	+16 15.9	2.493	3.324	10.5	19.7
1 22	10 3.66	+16 53.3	2.437	3.348	7.5	19.5
2 1	9 56.26	+17 34.7	2.408	3.371	4.2	19.3
2 11	9 47.98	+18 15.7	2.409	3.394	1.4	19.2
2 21	9 39.59	+18 52.0	2.441	3.416	3.3	19.3
3 2	9 31.88	+19 20.3	2.503	3.438	6.5	19.6
3 12	9 25.53	+19 38.4	2.593	3.459	9.3	19.8
3 22	9 20.98	+19 46.0	2.706	3.480	11.7	20.0

188722 2005 UK_2 2 13.7 131.°49 3.°8/10.3 18

1 12	10 11.95	+22 44.5	2.167	3.009	11.4	21.0
1 22	10 5.76	+23 44.5	2.108	3.022	8.3	20.8
2 1	9 57.62	+24 44.8	2.076	3.034	5.2	20.6
2 11	9 48.29	+25 38.6	2.073	3.046	3.8	20.6
2 21	9 38.74	+26 20.2	2.100	3.057	5.6	20.7
3 2	9 29.99	+26 46.0	2.155	3.068	8.6	20.9
3 12	9 22.90	+26 54.9	2.236	3.078	11.5	21.1
3 22	9 18.01	+26 48.1	2.339	3.088	14.0	21.3

152005 2004 JJ_{27} 2 13.7 194.°90 2.°1/11.7 18

1 12	10 10.90	+18 14.6	2.481	3.314	10.5	20.7
1 22	10 4.89	+18 58.9	2.400	3.311	7.6	20.5
2 1	9 57.11	+19 47.1	2.346	3.308	4.4	20.3
2 11	9 48.20	+20 34.0	2.322	3.304	2.1	20.2
2 21	9 38.97	+21 14.8	2.329	3.299	4.0	20.3
3 2	9 30.29	+21 45.7	2.366	3.293	7.2	20.5
3 12	9 22.96	+22 4.3	2.430	3.287	10.2	20.7
3 22	9 17.54	+22 10.5	2.517	3.280	12.8	20.8

226609 2004 DB_{22} 2 13.7 8.°09 4.°0/11.5 17

1 12	10 13.13	+19 36.3	1.158	2.025	17.4	20.1
1 22	10 7.99	+20 22.3	1.098	2.025	12.7	19.8
2 1	9 59.47	+21 14.4	1.060	2.026	7.6	19.5
2 11	9 48.75	+22 2.1	1.046	2.027	4.0	19.3
2 21	9 37.53	+22 35.7	1.057	2.029	7.1	19.5
3 2	9 27.66	+22 48.7	1.092	2.031	12.2	19.8
3 12	9 20.65	+22 39.7	1.148	2.034	16.9	20.0
3 22	9 17.23	+22 10.9	1.222	2.037	20.9	20.3

331788 2003 JC_{14} 2 13.7 284.°86 5.°0/17.9 17

1 12	10 6.44	− 3 7.8	1.942	2.723	14.9	20.8
1 22	10 2.20	− 2 56.3	1.835	2.700	12.1	20.6
2 1	9 55.84	− 2 21.6	1.751	2.677	8.9	20.4
2 11	9 47.99	− 1 24.1	1.692	2.654	5.9	20.1
2 21	9 39.49	− 0 7.1	1.660	2.630	5.2	20.0
3 2	9 31.40	+ 1 22.9	1.657	2.607	7.8	20.1
3 12	9 24.73	+ 2 57.6	1.681	2.583	11.4	20.3
3 22	9 20.24	+ 4 29.1	1.728	2.559	15.0	20.5

363620 2004 PG_5 2 13.7 167.°05 1.°3/14.9 18

1 12	10 8.38	+ 6 26.7	2.611	3.414	10.9	22.4
1 22	10 2.91	+ 6 59.4	2.529	3.420	8.1	22.3
2 1	9 55.91	+ 7 43.5	2.474	3.425	5.0	22.1
2 11	9 47.95	+ 8 35.7	2.447	3.430	1.9	21.8
2 21	9 39.73	+ 9 31.9	2.452	3.433	2.5	21.9
3 2	9 32.00	+10 27.6	2.488	3.436	5.7	22.1
3 12	9 25.46	+11 18.6	2.553	3.438	8.7	22.3
3 22	9 20.58	+12 2.1	2.642	3.440	11.4	22.5

378906 2008 UV_{57} 2 13.7 154.°35 0.°9/12.8 17

1 12	10 8.28	+14 0.9	2.237	3.071	11.4	21.6
1 22	10 3.08	+14 41.7	2.163	3.074	8.3	21.4
2 1	9 56.10	+15 29.9	2.114	3.077	4.7	21.2
2 11	9 48.00	+16 20.7	2.095	3.080	1.2	20.9
2 21	9 39.62	+17 8.9	2.106	3.083	3.3	21.1
3 2	9 31.84	+17 49.8	2.146	3.086	7.0	21.3
3 12	9 25.48	+18 20.4	2.212	3.088	10.3	21.5
3 22	9 21.07	+18 39.1	2.302	3.090	13.1	21.7

395306 2011 NH_1 2 13.7 164.°13 0.°6/14.1 18

1 12	10 12.82	+ 9 11.0	1.900	2.720	13.7	22.5
1 22	10 6.62	+ 9 44.9	1.825	2.727	10.1	22.2
2 1	9 58.24	+10 31.5	1.775	2.733	6.0	22.0
2 11	9 48.47	+11 26.3	1.753	2.738	1.6	21.7
2 21	9 38.34	+12 23.0	1.761	2.742	3.2	21.8
3 2	9 28.97	+13 15.9	1.798	2.745	7.5	22.1
3 12	9 21.34	+14 0.0	1.862	2.747	11.4	22.3
3 22	9 16.08	+14 32.6	1.949	2.749	14.7	22.6

152354 2005 UZ_{116} 2 13.7 108.°46 0.°5/14.1 18

1 12	10 10.12	+10 1.1	1.939	2.766	13.2	20.4
1 22	10 4.56	+10 24.8	1.871	2.777	9.7	20.2
2 1	9 56.99	+10 59.6	1.828	2.787	5.7	20.0
2 11	9 48.19	+11 41.2	1.812	2.797	1.5	19.7
2 21	9 39.13	+12 24.3	1.826	2.807	3.1	19.9
3 2	9 30.84	+13 3.9	1.868	2.817	7.2	20.1
3 12	9 24.20	+13 35.9	1.938	2.826	10.9	20.4
3 22	9 19.78	+13 58.0	2.029	2.836	14.0	20.6

58027 2002 VH_{58} 2 13.7 358.°52 0.°3/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 3.57	+10 46.3	1.161	2.027	17.5	17.7
1 22	10 0.90	+11 30.8	1.096	2.022	12.8	17.4
2 1	9 55.35	+12 34.5	1.052	2.019	7.4	17.1
2 11	9 47.89	+13 49.7	1.031	2.017	1.5	16.7
2 21	9 39.89	+15 6.0	1.035	2.017	4.6	16.9
3 2	9 32.90	+16 13.2	1.063	2.018	10.3	17.2
3 12	9 28.28	+17 3.6	1.112	2.021	15.4	17.5
3 22	9 26.76	+17 33.7	1.181	2.026	19.6	17.8

407529 2010 VL_{200} 2 13.7 46.°15 7.°3/ 8.7 18

1 12	10 12.85	+26 49.3	1.320	2.186	15.8	19.8
1 22	10 7.17	+28 31.1	1.295	2.216	11.7	19.6
2 1	9 58.63	+30 6.6	1.293	2.247	8.3	19.5
2 11	9 48.52	+31 23.2	1.317	2.278	7.4	19.5
2 21	9 38.41	+32 12.5	1.366	2.310	9.6	19.7
3 2	9 29.85	+32 31.3	1.440	2.342	12.9	20.0
3 12	9 23.93	+32 22.2	1.535	2.374	16.0	20.3
3 22	9 21.14	+31 50.1	1.647	2.406	18.7	20.5

29805 Bradleysloop 2 13.7 47.°08 0.°2/13.5 18

1 12	10 14.02	+13 10.6	1.248	2.100	17.4	18.1
1 22	10 8.20	+13 15.9	1.192	2.111	12.7	17.9
2 1	9 59.38	+13 32.5	1.158	2.122	7.3	17.6
2 11	9 48.72	+13 54.3	1.148	2.134	1.5	17.2
2 21	9 37.77	+14 15.0	1.164	2.146	4.4	17.5
3 2	9 28.14	+14 28.8	1.206	2.158	9.8	17.8
3 12	9 21.13	+14 32.3	1.272	2.171	14.6	18.1
3 22	9 17.37	+14 24.2	1.357	2.184	18.6	18.4

31942 2000 GA_{106} 2 13.7 148.°38 2.°1/15.2 18

1 12	10 12.91	+ 5 47.8	1.763	2.577	14.9	18.6
1 22	10 6.78	+ 6 2.9	1.691	2.586	11.2	18.4
2 1	9 58.36	+ 6 33.9	1.642	2.594	7.1	18.2
2 11	9 48.50	+ 7 17.3	1.621	2.602	2.9	17.9
2 21	9 38.29	+ 8 7.7	1.628	2.609	3.5	18.0
3 2	9 28.91	+ 8 58.9	1.664	2.615	7.7	18.2
3 12	9 21.38	+ 9 45.2	1.727	2.621	11.7	18.5
3 22	9 16.35	+10 22.8	1.812	2.626	15.1	18.7

68895 2002 JR_{84} 2 13.7 91.°10 3.°8/16.4 18

1 12	10 11.29	+ 2 1.7	1.611	2.419	16.3	19.2
1 22	10 5.68	+ 2 3.2	1.547	2.434	12.6	19.0
2 1	9 57.75	+ 2 24.9	1.505	2.449	8.5	18.8
2 11	9 48.38	+ 3 4.3	1.489	2.463	4.7	18.6
2 21	9 38.73	+ 3 56.3	1.500	2.478	4.5	18.6
3 2	9 30.00	+ 4 53.9	1.540	2.492	8.0	18.9
3 12	9 23.23	+ 5 50.2	1.604	2.506	11.9	19.1
3 22	9 19.04	+ 6 39.6	1.691	2.520	15.4	19.4

105228 2000 PW_5 2 13.7 84.°20 0.°1/13.6 18

1 12	10 8.02	+ 9 7.2	1.834	2.664	13.7	19.5
1 22	10 3.13	+10 18.7	1.772	2.681	10.0	19.3
2 1	9 56.21	+11 44.5	1.736	2.697	5.7	19.1
2 11	9 48.05	+13 17.8	1.727	2.713	1.2	18.8
2 21	9 39.63	+14 50.5	1.749	2.729	3.4	19.0
3 2	9 32.00	+16 14.9	1.799	2.745	7.6	19.3
3 12	9 26.04	+17 25.4	1.876	2.761	11.4	19.6
3 22	9 22.33	+18 19.2	1.975	2.776	14.5	19.8

76619 2000 GB_{174} 2 13.7 89.°54 1.°4/12.6 18

1 12	10 11.23	+16 54.0	2.157	2.993	11.7	19.0
1 22	10 5.19	+17 11.7	2.092	3.005	8.4	18.8
2 1	9 57.28	+17 33.4	2.053	3.016	4.8	18.6
2 11	9 48.27	+17 54.5	2.043	3.027	1.5	18.4
2 21	9 39.08	+18 11.0	2.062	3.038	3.6	18.5
3 2	9 30.66	+18 19.7	2.111	3.049	7.2	18.8
3 12	9 23.83	+18 18.8	2.186	3.060	10.5	19.0
3 22	9 19.10	+18 8.2	2.285	3.071	13.3	19.2

233636 2007 VA_{32} 2 13.7 184.°05 1.°2/14.8 17

1 12	10 7.81	+ 7 57.7	2.543	3.354	10.9	21.4
1 22	10 2.57	+ 8 9.7	2.459	3.354	8.1	21.3
2 1	9 55.76	+ 8 31.5	2.401	3.354	5.0	21.0
2 11	9 47.96	+ 9 0.4	2.371	3.354	1.8	20.8
2 21	9 39.89	+ 9 32.9	2.372	3.353	2.5	20.9
3 2	9 32.32	+10 5.5	2.403	3.352	5.8	21.1
3 12	9 25.94	+10 34.7	2.462	3.351	8.9	21.3
3 22	9 21.27	+10 58.0	2.546	3.349	11.6	21.5

495468 2014 TB_{74} 2 13.7 130.°91 0.°1/13.6 18

1 12	10 10.59	+10 54.8	2.153	2.976	12.2	21.8
1 22	10 4.73	+11 37.3	2.086	2.991	8.9	21.6
2 1	9 57.04	+12 29.7	2.045	3.005	5.1	21.4
2 11	9 48.23	+13 27.1	2.034	3.019	1.1	21.1
2 21	9 39.20	+14 24.0	2.052	3.032	3.0	21.3
3 2	9 30.87	+15 15.1	2.101	3.045	6.8	21.5
3 12	9 24.07	+15 56.6	2.177	3.057	10.3	21.8
3 22	9 19.31	+16 26.7	2.276	3.068	13.1	22.0

58764 1998 FE_{27} 2 13.7 359°.04 2°.7/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 4.92	+ 5 25.2	1.335	2.177	17.1	18.7
1 22	10 1.58	+ 5 36.0	1.265	2.174	13.1	18.5
2 1	9 55.64	+ 6 7.9	1.215	2.171	8.3	18.2
2 11	9 47.99	+ 6 57.4	1.189	2.170	3.6	17.9
2 21	9 39.84	+ 7 57.7	1.188	2.170	4.1	17.9
3 2	9 32.57	+ 9 0.5	1.213	2.172	8.9	18.2
3 12	9 27.39	+ 9 57.5	1.261	2.174	13.6	18.5
3 22	9 25.02	+10 43.0	1.329	2.178	17.7	18.7

386253 2008 CG_{62} 2 13.7 85°.89 4°.0/ 9.7 18

1 12	10 8.10	+23 48.6	2.293	3.140	10.7	21.1
1 22	10 2.98	+24 55.2	2.234	3.149	7.8	20.9
2 1	9 56.06	+26 1.7	2.201	3.158	5.1	20.7
2 11	9 48.04	+27 1.6	2.197	3.166	4.0	20.7
2 21	9 39.78	+27 49.2	2.223	3.175	5.7	20.8
3 2	9 32.20	+28 20.8	2.276	3.184	8.5	21.0
3 12	9 26.10	+28 35.3	2.355	3.192	11.2	21.2
3 22	9 21.99	+28 33.5	2.455	3.201	13.6	21.4

500413 2012 TA_{115} 2 13.7 273°.94 3°.5/16.8 17

1 12	10 6.45	+ 0 57.8	2.289	3.079	12.6	21.5
1 22	10 1.76	+ 0 58.2	2.203	3.078	9.9	21.3
2 1	9 55.37	+ 1 14.1	2.140	3.076	6.9	21.1
2 11	9 47.91	+ 1 44.1	2.105	3.075	4.1	20.9
2 21	9 40.11	+ 2 25.0	2.099	3.073	3.8	20.9
3 2	9 32.83	+ 3 12.5	2.122	3.072	6.4	21.1
3 12	9 26.82	+ 4 1.6	2.172	3.070	9.5	21.2
3 22	9 22.63	+ 4 47.7	2.247	3.069	12.3	21.4

132134 2002 CV_{248} 2 13.7 299°.06 3°.9/15.9 18

1 12	10 9.34	+ 3 31.8	1.453	2.276	17.0	20.2
1 22	10 4.89	+ 3 22.9	1.361	2.258	13.3	19.9
2 1	9 57.68	+ 3 34.6	1.291	2.240	8.9	19.6
2 11	9 48.48	+ 4 5.5	1.244	2.221	4.8	19.3
2 21	9 38.46	+ 4 51.4	1.224	2.204	4.8	19.3
3 2	9 29.09	+ 5 45.7	1.231	2.186	9.2	19.5
3 12	9 21.72	+ 6 40.2	1.261	2.169	14.0	19.7
3 22	9 17.28	+ 7 28.2	1.311	2.152	18.3	19.9

181682 4786 *P–L* 2 13.7 107°.86 0°.1/13.7 18

1 12	10 10.27	+10 46.5	1.832	2.663	13.7	20.5
1 22	10 4.79	+11 23.0	1.766	2.674	10.0	20.3
2 1	9 57.20	+12 11.0	1.724	2.685	5.8	20.1
2 11	9 48.30	+13 5.3	1.711	2.696	1.2	19.8
2 21	9 39.12	+13 59.7	1.726	2.707	3.3	20.0
3 2	9 30.76	+14 48.3	1.770	2.717	7.6	20.3
3 12	9 24.14	+15 26.8	1.840	2.727	11.5	20.5
3 22	9 19.86	+15 52.9	1.932	2.737	14.7	20.7

31689 Sebmellen 2 13.7 249°.27 0°.8/12.9 18

1 12	10 7.15	+13 58.3	2.496	3.327	10.5	19.6
1 22	10 2.22	+14 32.7	2.407	3.317	7.6	19.4
2 1	9 55.63	+15 14.0	2.344	3.306	4.3	19.1
2 11	9 47.97	+15 58.2	2.310	3.296	1.0	18.9
2 21	9 39.97	+16 40.8	2.307	3.285	3.0	19.0
3 2	9 32.42	+17 17.7	2.334	3.274	6.5	19.2
3 12	9 26.09	+17 45.8	2.388	3.263	9.7	19.4
3 22	9 21.52	+18 3.6	2.465	3.252	12.4	19.6

469222 2016 HO_7 2 13.7 132°.07 3°.4/17.2 18

1 12	10 6.68	− 0 18.7	2.415	3.196	12.3	21.2
1 22	10 1.79	− 0 3.0	2.336	3.205	9.7	21.0
2 1	9 55.33	+ 0 28.9	2.281	3.213	6.7	20.8
2 11	9 47.90	+ 1 15.1	2.254	3.221	4.1	20.7
2 21	9 40.21	+ 2 11.8	2.256	3.229	3.7	20.7
3 2	9 33.05	+ 3 14.3	2.288	3.237	6.0	20.8
3 12	9 27.13	+ 4 17.2	2.348	3.244	8.9	21.0
3 22	9 22.92	+ 5 16.1	2.433	3.251	11.6	21.2

318145 2004 PQ_{66} 2 13.7 217°.63 2°.3/16.1 18

1 12	10 7.88	+ 2 36.0	2.637	3.425	11.2	21.4
1 22	10 2.67	+ 3 6.2	2.536	3.414	8.7	21.2
2 1	9 55.88	+ 3 50.7	2.461	3.403	5.7	21.0
2 11	9 48.03	+ 4 47.1	2.415	3.391	2.9	20.8
2 21	9 39.80	+ 5 51.7	2.400	3.378	2.9	20.7
3 2	9 31.95	+ 6 59.6	2.416	3.365	5.7	20.9
3 12	9 25.21	+ 8 5.8	2.461	3.351	8.8	21.1
3 22	9 20.10	+ 9 6.2	2.531	3.336	11.6	21.2

86462 2000 CL_{56} 2 13.7 237°.92 2°.0/12.1 18

1 12	10 12.62	+15 23.4	1.750	2.590	13.8	19.5
1 22	10 6.95	+16 23.1	1.661	2.576	10.0	19.2
2 1	9 58.72	+17 33.4	1.598	2.561	5.8	18.9
2 11	9 48.69	+18 47.0	1.562	2.546	2.1	18.6
2 21	9 37.99	+19 55.6	1.555	2.530	4.9	18.8
3 2	9 27.93	+20 51.9	1.577	2.513	9.4	19.0
3 12	9 19.73	+21 31.3	1.624	2.495	13.6	19.2
3 22	9 14.20	+21 52.5	1.692	2.477	17.2	19.4

222294 2000 SC_{175} 2 13.7 89°.58 6°.7/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 8.87	− 7 30.4	2.002	2.753	15.5	20.0
1 22	10 3.61	− 7 49.0	1.933	2.769	12.9	19.8
2 1	9 56.46	− 7 44.4	1.885	2.786	10.0	19.6
2 11	9 48.15	− 7 16.6	1.863	2.803	7.5	19.5
2 21	9 39.58	− 6 28.3	1.867	2.819	6.7	19.5
3 2	9 31.72	− 5 24.8	1.900	2.835	8.1	19.6
3 12	9 25.42	− 4 13.3	1.958	2.851	10.6	19.8
3 22	9 21.21	− 3 0.7	2.041	2.867	13.2	20.0

145759 1997 CG_{25} 2 13.7 202°.33 0°.9/12.9 17

1 12	10 10.24	+16 17.0	2.695	3.523	9.9	20.1
1 22	10 4.26	+16 25.5	2.612	3.520	7.2	19.9
2 1	9 56.72	+16 37.2	2.556	3.517	4.1	19.7
2 11	9 48.20	+16 49.1	2.530	3.515	1.1	19.5
2 21	9 39.44	+16 58.0	2.534	3.512	2.9	19.6
3 2	9 31.21	+17 1.5	2.570	3.508	6.1	19.9
3 12	9 24.22	+16 57.9	2.633	3.505	9.0	20.0
3 22	9 18.94	+16 46.7	2.721	3.501	11.5	20.2

226903 2004 TS_{168} 2 13.7 121°.45 3°.5/10.7 18

1 12	10 11.09	+21 49.4	2.050	2.896	11.8	20.4
1 22	10 5.29	+22 41.1	1.987	2.903	8.6	20.2
2 1	9 57.45	+23 34.0	1.950	2.910	5.3	20.0
2 11	9 48.37	+24 21.6	1.941	2.917	3.5	19.9
2 21	9 39.02	+24 58.0	1.962	2.924	5.5	20.0
3 2	9 30.47	+25 19.3	2.011	2.931	8.7	20.2
3 12	9 23.62	+25 24.4	2.085	2.937	11.8	20.5
3 22	9 19.04	+25 14.1	2.181	2.944	14.5	20.7

430272 2013 WS_{48} 2 13.7 129°.02 2°.8/11.2 18

1 12	10 11.65	+21 35.2	2.366	3.204	10.7	20.9
1 22	10 5.42	+22 8.8	2.301	3.214	7.8	20.7
2 1	9 57.41	+22 42.9	2.264	3.224	4.7	20.5
2 11	9 48.35	+23 12.3	2.256	3.233	2.8	20.4
2 21	9 39.10	+23 32.8	2.277	3.242	4.6	20.5
3 2	9 30.58	+23 41.5	2.329	3.251	7.6	20.7
3 12	9 23.56	+23 37.5	2.407	3.260	10.4	20.9
3 22	9 18.56	+23 21.6	2.507	3.268	12.9	21.1

353813 2012 TY_{230} 2 13.7 220°.77 10°.3/25.2 17

1 12	10 6.93	−23 31.6	2.683	3.297	14.8	20.7
1 22	10 2.10	−24 26.8	2.590	3.293	13.6	20.5
2 1	9 55.61	−24 58.2	2.516	3.289	12.2	20.4
2 11	9 47.99	−25 2.6	2.463	3.285	11.0	20.3
2 21	9 39.97	−24 39.3	2.433	3.280	10.3	20.3
3 2	9 32.34	−23 50.0	2.427	3.276	10.4	20.3
3 12	9 25.88	−22 39.6	2.445	3.271	11.2	20.3
3 22	9 21.15	−21 14.7	2.486	3.267	12.5	20.4

405961 2006 SR_{45} 2 13.7 133°.68 4°.1/10.6 18

1 12	10 14.63	+23 17.6	1.883	2.728	12.8	21.7
1 22	10 8.00	+24 6.2	1.823	2.737	9.3	21.5
2 1	9 59.06	+24 54.5	1.788	2.746	5.9	21.3
2 11	9 48.72	+25 35.0	1.781	2.754	4.2	21.2
2 21	9 38.14	+26 1.8	1.803	2.763	6.1	21.4
3 2	9 28.52	+26 11.3	1.853	2.770	9.5	21.6
3 12	9 20.88	+26 3.1	1.928	2.778	12.8	21.8
3 22	9 15.81	+25 39.2	2.024	2.785	15.6	22.0

62482 2000 SE_{221} 2 13.7 83°.38 5°.2/ 9.3 18

1 12	10 11.07	+25 6.5	1.856	2.708	12.6	18.8
1 22	10 5.47	+26 25.3	1.805	2.721	9.3	18.6
2 1	9 57.62	+27 42.6	1.780	2.734	6.3	18.4
2 11	9 48.41	+28 49.7	1.782	2.748	5.3	18.4
2 21	9 38.96	+29 39.7	1.813	2.761	7.2	18.5
3 2	9 30.45	+30 8.4	1.870	2.774	10.3	18.7
3 12	9 23.85	+30 15.3	1.951	2.787	13.3	18.9
3 22	9 19.75	+30 2.7	2.053	2.799	15.8	19.2

140145 2001 SS_{160} 2 13.7 155°.50 3°.9/17.9 18

1 12	10 6.10	− 2 27.1	2.718	3.483	11.5	20.5
1 22	10 1.26	− 2 23.5	2.633	3.488	9.2	20.3
2 1	9 54.99	− 2 4.6	2.572	3.493	6.7	20.2
2 11	9 47.85	− 1 31.5	2.539	3.497	4.5	20.0
2 21	9 40.46	− 0 46.9	2.535	3.501	4.0	20.0
3 2	9 33.51	+ 0 5.4	2.561	3.505	5.8	20.1
3 12	9 27.64	+ 1 0.9	2.616	3.509	8.2	20.3
3 22	9 23.31	+ 1 55.2	2.696	3.512	10.7	20.5

110071 2001 SA_{112} 2 13.7 150°.85 2°.9/11.2 18

1 12	10 12.98	+21 8.4	2.306	3.142	11.0	19.4
1 22	10 6.45	+21 50.0	2.240	3.152	8.0	19.2
2 1	9 58.04	+22 32.8	2.201	3.160	4.8	19.0
2 11	9 48.50	+23 11.1	2.191	3.169	2.9	18.9
2 21	9 38.74	+23 40.0	2.212	3.176	4.7	19.0
3 2	9 29.72	+23 56.3	2.262	3.183	7.8	19.2
3 12	9 22.26	+23 58.9	2.339	3.189	10.8	19.4
3 22	9 16.91	+23 48.4	2.438	3.195	13.3	19.6

353436 2011 QW_{62} 2 13.7 324°.38 1°.8/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 14.51	+16 32.3	1.346	2.199	16.3	20.4
1 22	10 8.71	+16 45.2	1.274	2.195	12.0	20.2
2 1	9 59.85	+17 5.3	1.225	2.191	6.9	19.9
2 11	9 48.95	+17 26.0	1.202	2.187	2.0	19.5
2 21	9 37.51	+17 40.6	1.204	2.183	5.0	19.7
3 2	9 27.16	+17 43.9	1.233	2.179	10.3	20.0
3 12	9 19.33	+17 33.6	1.285	2.176	15.1	20.3
3 22	9 14.77	+17 10.0	1.357	2.173	19.2	20.5

150552 2000 SC_{194} 2 13.7 121°.61 1°.8/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.48	+16 52.5	1.879	2.720	12.9	20.0
1 22	10 5.73	+17 21.4	1.808	2.723	9.3	19.8
2 1	9 57.79	+17 55.8	1.762	2.725	5.4	19.5
2 11	9 48.47	+18 30.0	1.744	2.728	1.9	19.3
2 21	9 38.84	+18 58.5	1.755	2.730	4.2	19.5
3 2	9 30.01	+19 17.1	1.794	2.732	8.2	19.7
3 12	9 22.97	+19 23.3	1.859	2.735	11.9	20.0
3 22	9 18.32	+19 17.0	1.945	2.737	15.1	20.2

328354 2008 LL_{15} 2 13.7 65°.17 8°.2/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.55	+32 8.9	1.745	2.598	13.2	20.1
1 22	10 6.23	+34 0.5	1.696	2.603	10.5	19.9
2 1	9 58.26	+35 44.9	1.672	2.607	8.5	19.8
2 11	9 48.59	+37 10.6	1.675	2.612	8.5	19.8
2 21	9 38.51	+38 9.5	1.704	2.617	10.3	19.9
3 2	9 29.44	+38 37.5	1.758	2.622	13.0	20.1
3 12	9 22.56	+38 35.9	1.833	2.626	15.7	20.3
3 22	9 18.54	+38 9.1	1.925	2.631	18.0	20.5

246228 2007 RK_{232} 2 13.7 219°.38 1°.5/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.75	+14 23.6	1.735	2.575	13.9	20.7
1 22	10 6.21	+15 12.6	1.655	2.569	10.1	20.5
2 1	9 58.22	+16 11.8	1.599	2.563	5.8	20.2
2 11	9 48.61	+17 14.7	1.572	2.557	1.7	19.9
2 21	9 38.46	+18 13.7	1.573	2.550	4.4	20.1
3 2	9 29.06	+19 2.2	1.602	2.542	8.9	20.4
3 12	9 21.53	+19 36.1	1.657	2.535	13.0	20.6
3 22	9 16.61	+19 53.8	1.732	2.526	16.5	20.8

456508 2006 XV_{29} 2 13.7 72°.97 4°.7/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.55	+21 46.3	1.660	2.512	13.8	20.4
1 22	10 6.57	+23 27.2	1.624	2.543	9.9	20.2
2 1	9 58.23	+25 8.7	1.613	2.573	6.3	20.1
2 11	9 48.56	+26 40.4	1.631	2.603	4.8	20.0
2 21	9 38.77	+27 53.8	1.677	2.632	7.0	20.2
3 2	9 30.11	+28 43.8	1.751	2.662	10.4	20.5
3 12	9 23.58	+29 9.8	1.848	2.691	13.6	20.8
3 22	9 19.69	+29 14.2	1.965	2.719	16.2	21.0

386573 2009 DD_{132} 2 13.7 359°.76 2°.6/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.71	+19 2.1	1.876	2.727	12.5	20.6
1 22	10 3.04	+19 39.0	1.806	2.726	9.0	20.4
2 1	9 56.26	+20 19.9	1.761	2.725	5.3	20.1
2 11	9 48.17	+20 58.8	1.743	2.724	2.6	20.0
2 21	9 39.74	+21 29.9	1.753	2.725	4.8	20.1
3 2	9 32.08	+21 48.8	1.791	2.725	8.6	20.3
3 12	9 26.11	+21 53.4	1.854	2.727	12.1	20.5
3 22	9 22.44	+21 43.8	1.938	2.729	15.1	20.8

51769 2001 LS_{18} 2 13.7 125°.34 0°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.74	+ 9 30.6	2.645	3.462	10.4	19.7
1 22	10 1.72	+10 21.0	2.575	3.476	7.6	19.5
2 1	9 55.27	+11 20.8	2.532	3.490	4.4	19.3
2 11	9 47.94	+12 25.8	2.518	3.503	1.0	19.1
2 21	9 40.41	+13 31.4	2.536	3.516	2.4	19.2
3 2	9 33.40	+14 32.8	2.584	3.529	5.7	19.5
3 12	9 27.54	+15 26.3	2.661	3.541	8.6	19.7
3 22	9 23.29	+16 9.7	2.763	3.553	11.1	19.9

80812 2000 CY_{116} 2 13.7 191°.79 2°.3/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.72	+16 16.3	2.144	2.981	11.7	19.4
1 22	10 4.37	+17 37.7	2.066	2.980	8.4	19.2
2 1	9 57.02	+19 7.2	2.015	2.978	4.9	19.0
2 11	9 48.36	+20 37.7	1.994	2.976	2.3	18.8
2 21	9 39.27	+22 1.5	2.003	2.972	4.6	19.0
3 2	9 30.76	+23 12.4	2.042	2.969	8.2	19.2
3 12	9 23.75	+24 6.5	2.108	2.964	11.6	19.4
3 22	9 18.85	+24 42.8	2.195	2.960	14.4	19.6

203538 2002 CK_{38} 2 13.7 327°.91 2°.0/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.59	+14 31.5	1.217	2.082	16.9	20.0
1 22	10 4.02	+15 19.9	1.140	2.067	12.4	19.7
2 1	9 57.36	+16 23.1	1.084	2.052	7.1	19.4
2 11	9 48.49	+17 32.7	1.053	2.038	2.2	19.0
2 21	9 38.84	+18 38.4	1.047	2.025	5.6	19.2
3 2	9 30.09	+19 30.5	1.065	2.013	11.3	19.5
3 12	9 23.77	+20 2.9	1.104	2.002	16.5	19.7
3 22	9 20.80	+20 13.7	1.162	1.992	20.9	19.9

321645 2010 AC_{56} 2 13.7 172°.70 0°.5/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 11.29	+14 23.2	2.230	3.059	11.6	20.5
1 22	10 5.29	+14 31.1	2.152	3.060	8.5	20.3
2 1	9 57.44	+14 44.7	2.099	3.061	4.8	20.1
2 11	9 48.43	+15 0.2	2.076	3.062	1.0	19.8
2 21	9 39.14	+15 13.9	2.083	3.062	3.1	19.9
3 2	9 30.50	+15 22.7	2.119	3.062	6.8	20.2
3 12	9 23.35	+15 24.2	2.183	3.063	10.2	20.4
3 22	9 18.25	+15 17.7	2.270	3.063	13.1	20.6

489375 2006 UE_{214} 2 13.7 146°.88 6°.8/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.05	+40 50.8	3.144	3.956	9.0	22.2
1 22	10 6.36	+41 56.6	3.100	3.966	7.7	22.1
2 1	9 57.95	+42 51.6	3.084	3.976	6.8	22.1
2 11	9 48.54	+43 30.7	3.095	3.985	7.0	22.1
2 21	9 38.94	+43 50.3	3.134	3.994	7.9	22.1
3 2	9 30.06	+43 49.4	3.199	4.002	9.3	22.3
3 12	9 22.63	+43 29.3	3.286	4.010	10.8	22.4
3 22	9 17.15	+42 52.8	3.394	4.017	12.1	22.5

345538 2006 QG_{83} 2 13.7 180°.70 0°.5/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.63	+14 25.8	2.672	3.496	10.1	21.6
1 22	10 3.85	+14 39.9	2.591	3.497	7.3	21.4
2 1	9 56.52	+14 58.8	2.536	3.497	4.2	21.2
2 11	9 48.24	+15 19.4	2.512	3.497	0.9	21.0
2 21	9 39.71	+15 38.2	2.518	3.497	2.7	21.1
3 2	9 31.71	+15 52.5	2.555	3.497	6.0	21.3
3 12	9 24.93	+16 0.0	2.621	3.496	8.9	21.5
3 22	9 19.84	+15 59.9	2.710	3.494	11.5	21.7

159655 2002 DR_{19} 2 13.7 259°.93 4°.8/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.96	+24 27.7	2.026	2.875	11.8	20.0
1 22	10 4.75	+25 40.3	1.950	2.866	8.7	19.8
2 1	9 57.33	+26 53.9	1.901	2.857	5.9	19.6
2 11	9 48.45	+28 0.4	1.879	2.847	4.8	19.6
2 21	9 39.11	+28 52.8	1.887	2.837	6.8	19.7
3 2	9 30.44	+29 26.1	1.921	2.827	9.9	19.8
3 12	9 23.45	+29 38.8	1.980	2.817	13.0	20.0
3 22	9 18.81	+29 32.1	2.060	2.807	15.8	20.2

171937 2001 SA_{231} 2 13.7 168°.14 0°.9/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.52	+14 33.3	2.622	3.451	10.1	20.9
1 22	10 2.38	+15 9.9	2.545	3.454	7.3	20.8
2 1	9 55.70	+15 52.3	2.494	3.456	4.1	20.6
2 11	9 48.08	+16 36.5	2.473	3.459	1.1	20.3
2 21	9 40.20	+17 18.3	2.483	3.460	3.0	20.5
3 2	9 32.84	+17 53.8	2.523	3.462	6.2	20.7
3 12	9 26.66	+18 20.5	2.591	3.463	9.1	20.9
3 22	9 22.16	+18 37.0	2.682	3.464	11.6	21.1

239914 2000 SX_{323} 2 13.7 194°.99 1°.5/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.94	+ 6 36.1	1.817	2.635	14.3	21.4
1 22	10 5.48	+ 7 5.5	1.735	2.633	10.8	21.2
2 1	9 57.76	+ 7 51.0	1.677	2.631	6.6	20.9
2 11	9 48.56	+ 8 48.5	1.646	2.629	2.4	20.6
2 21	9 38.89	+ 9 52.0	1.644	2.625	3.3	20.7
3 2	9 29.90	+10 54.9	1.671	2.622	7.7	21.0
3 12	9 22.62	+11 51.1	1.724	2.618	11.8	21.2
3 22	9 17.75	+12 36.4	1.800	2.613	15.3	21.4

431160 2006 RL_{14} 2 13.7 224°.34 4°.4/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.62	− 4 13.8	2.643	3.401	12.0	22.0
1 22	10 1.05	− 4 4.3	2.545	3.393	9.7	21.8
2 1	9 54.99	− 3 37.3	2.471	3.386	7.2	21.6
2 11	9 47.94	− 2 53.9	2.424	3.378	5.1	21.5
2 21	9 40.56	− 1 56.6	2.406	3.370	4.5	21.4
3 2	9 33.56	− 0 49.6	2.418	3.361	6.1	21.5
3 12	9 27.64	+ 0 21.5	2.458	3.352	8.7	21.7
3 22	9 23.29	+ 1 31.9	2.524	3.343	11.2	21.8

292606 2006 TD_{115} 2 13.7 108°.18 1°.6/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.87	+ 4 23.5	2.491	3.295	11.3	20.8
1 22	10 0.51	+ 5 7.7	2.411	3.300	8.6	20.6
2 1	9 54.65	+ 6 5.7	2.357	3.306	5.4	20.4
2 11	9 47.86	+ 7 14.0	2.331	3.311	2.3	20.2
2 21	9 40.81	+ 8 28.0	2.336	3.317	2.6	20.2
3 2	9 34.24	+ 9 42.3	2.371	3.322	5.7	20.4
3 12	9 28.83	+10 51.7	2.434	3.327	8.8	20.6
3 22	9 25.05	+11 52.5	2.523	3.332	11.5	20.8

418897 2009 AC_{25} 2 13.7 26°.26 3°.9/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.21	+18 29.5	1.968	2.819	12.0	20.2
1 22	10 2.00	+20 43.7	1.903	2.823	8.6	20.0
2 1	9 55.74	+23 5.9	1.866	2.828	5.3	19.8
2 11	9 48.12	+25 25.6	1.859	2.833	4.0	19.8
2 21	9 40.07	+27 32.4	1.882	2.838	6.3	19.9
3 2	9 32.62	+29 18.2	1.935	2.843	9.7	20.1
3 12	9 26.74	+30 38.8	2.013	2.849	12.9	20.4
3 22	9 23.07	+31 33.9	2.112	2.855	15.5	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
154205 2002 HX_{13}			2 13.7 236°.51	10°.2/22.1 18		
	h m	° ′			°	m
1 12	10 9.26	−14 36.7	1.295	2.041	22.7	20.1
1 22	10 5.17	−14 14.6	1.206	2.033	19.6	19.8
2 1	9 58.04	−13 4.8	1.133	2.025	15.9	19.6
2 11	9 48.70	−11 3.2	1.081	2.016	12.2	19.3
2 21	9 38.46	− 8 13.6	1.052	2.007	10.2	19.2
3 2	9 28.95	− 4 49.7	1.050	1.997	11.6	19.2
3 12	9 21.74	− 1 12.5	1.074	1.987	15.4	19.4
3 22	9 17.79	+ 2 17.4	1.120	1.976	19.7	19.6
358498 2007 RP_{145}			2 13.7 172°.95	0°.3/13.5 18		
1 12	10 13.28	+12 12.5	2.267	3.086	11.8	22.0
1 22	10 6.74	+12 44.7	2.188	3.091	8.6	21.8
2 1	9 58.30	+13 25.3	2.135	3.095	5.0	21.6
2 11	9 48.67	+14 9.7	2.112	3.098	1.0	21.3
2 21	9 38.71	+14 53.2	2.121	3.100	3.0	21.5
3 2	9 29.38	+15 31.1	2.159	3.101	6.8	21.7
3 12	9 21.56	+16 0.3	2.226	3.101	10.3	22.0
3 22	9 15.79	+16 19.2	2.316	3.100	13.2	22.1
226181 2002 TD_{157}			2 13.7 107°.91	3°.5/11.2 18		
1 12	10 14.52	+17 47.8	1.482	2.333	15.3	20.2
1 22	10 8.33	+19 10.7	1.432	2.351	11.0	20.0
2 1	9 59.44	+20 40.4	1.405	2.369	6.4	19.8
2 11	9 48.92	+22 6.7	1.406	2.386	3.5	19.7
2 21	9 38.12	+23 19.6	1.435	2.403	6.1	19.9
3 2	9 28.50	+24 12.3	1.491	2.420	10.4	20.2
3 12	9 21.22	+24 42.5	1.571	2.435	14.4	20.4
3 22	9 16.91	+24 51.4	1.670	2.450	17.6	20.7
86966 2000 JP_{8}			2 13.7 10°.50	18°.3/24.4 18		
1 12	10 26.82	+59 37.9	1.530	2.300	18.8	19.1
1 22	10 19.83	+61 55.8	1.518	2.301	18.3	19.1
2 1	10 7.10	+63 37.0	1.523	2.303	18.5	19.1
2 11	9 50.64	+64 28.2	1.545	2.305	19.2	19.1
2 21	9 33.72	+64 24.2	1.583	2.308	20.3	19.2
3 2	9 19.81	+63 28.1	1.636	2.312	21.5	19.3
3 12	9 11.05	+61 50.0	1.700	2.316	22.7	19.5
3 22	9 7.87	+59 41.4	1.775	2.321	23.7	19.6
144357 2004 DB_{42}			2 13.7 313°.08	0°.6/14.1 18		
1 12	10 9.74	+10 29.4	1.552	2.392	15.2	19.8
1 22	10 4.99	+10 42.2	1.469	2.381	11.3	19.5
2 1	9 57.67	+11 8.3	1.408	2.370	6.7	19.2
2 11	9 48.58	+11 43.5	1.374	2.359	1.7	18.9
2 21	9 38.90	+12 21.9	1.367	2.349	3.7	19.0
3 2	9 29.97	+12 57.2	1.386	2.339	8.7	19.2
3 12	9 23.01	+13 24.3	1.431	2.329	13.3	19.5
3 22	9 18.79	+13 40.1	1.495	2.320	17.3	19.7
208675 2002 GW_{83}			2 13.7 238°.38	1°.7/12.3 18		
1 12	10 11.32	+14 57.2	1.947	2.784	12.7	20.8
1 22	10 5.82	+15 55.1	1.856	2.769	9.3	20.6
2 1	9 58.03	+17 2.9	1.791	2.754	5.3	20.3
2 11	9 48.66	+18 14.1	1.754	2.738	1.8	20.0
2 21	9 38.70	+19 21.4	1.747	2.722	4.3	20.2
3 2	9 29.29	+20 18.3	1.769	2.705	8.6	20.4
3 12	9 21.52	+21 0.4	1.817	2.688	12.5	20.6
3 22	9 16.11	+21 26.1	1.887	2.669	15.8	20.8
239999 2001 SR_{233}			2 13.7 106°.87	3°.4/10.4 18		
1 12	10 10.14	+23 39.8	2.505	3.345	10.1	21.1
1 22	10 4.30	+24 26.3	2.448	3.360	7.4	20.9
2 1	9 56.81	+25 11.9	2.418	3.375	4.7	20.8
2 11	9 48.35	+25 51.3	2.418	3.390	3.4	20.7
2 21	9 39.73	+26 20.1	2.448	3.404	5.0	20.8
3 2	9 31.81	+26 35.6	2.506	3.418	7.6	21.0
3 12	9 25.30	+26 37.1	2.591	3.432	10.2	21.2
3 22	9 20.67	+26 25.4	2.699	3.445	12.4	21.4
18430 Balzac			2 13.7 22°.86	5°.0/17.0 18		
1 12	10 8.14	+ 0 19.4	1.342	2.161	18.4	17.5
1 22	10 3.94	+ 0 15.7	1.274	2.165	14.5	17.2
2 1	9 57.07	+ 0 37.9	1.226	2.169	10.1	17.0
2 11	9 48.46	+ 1 24.0	1.202	2.174	6.0	16.8
2 21	9 39.37	+ 2 28.4	1.203	2.180	5.5	16.7
3 2	9 31.22	+ 3 42.7	1.229	2.186	9.1	17.0
3 12	9 25.24	+ 4 56.9	1.280	2.192	13.5	17.2
3 22	9 22.13	+ 6 3.3	1.351	2.199	17.4	17.5
375874 2009 VT_{50}			2 13.7 199°.65	5°.6/18.4 17		
1 12	10 8.47	− 4 23.9	2.133	2.898	14.3	20.9
1 22	10 3.41	− 4 41.3	2.046	2.896	11.7	20.7
2 1	9 56.48	− 4 39.1	1.981	2.895	8.8	20.5
2 11	9 48.31	− 4 17.3	1.942	2.893	6.4	20.3
2 21	9 39.75	− 3 38.0	1.931	2.891	5.7	20.3
3 2	9 31.72	− 2 45.6	1.948	2.889	7.5	20.4
3 12	9 25.09	− 1 46.3	1.991	2.886	10.3	20.6
3 22	9 20.45	− 0 46.0	2.059	2.884	13.2	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
284080 2005 JC_{34}			2 13.7 267°.83	3°.7/ 9.9 17		
	h m	° ′			°	m
1 12	10 7.59	+22 9.4	2.238	3.086	10.9	21.0
1 22	10 2.79	+23 20.6	2.166	3.083	7.9	20.8
2 1	9 56.12	+24 34.1	2.120	3.079	5.0	20.6
2 11	9 48.23	+25 43.1	2.103	3.076	3.7	20.5
2 21	9 39.98	+26 41.2	2.116	3.073	5.6	20.6
3 2	9 32.33	+27 23.8	2.157	3.069	8.6	20.8
3 12	9 26.12	+27 48.8	2.223	3.066	11.6	21.0
3 22	9 21.94	+27 56.5	2.310	3.063	14.1	21.2
490024 2008 SN_{281}			2 13.7 85°.60	1°.3/12.6 18		
1 12	10 9.10	+15 18.9	2.086	2.925	12.0	21.4
1 22	10 3.81	+15 56.4	2.021	2.934	8.6	21.2
2 1	9 56.64	+16 40.2	1.981	2.944	4.9	20.9
2 11	9 48.33	+17 25.2	1.969	2.954	1.5	20.7
2 21	9 39.79	+18 6.1	1.987	2.964	3.6	20.9
3 2	9 31.96	+18 38.5	2.034	2.974	7.4	21.1
3 12	9 25.68	+18 59.5	2.107	2.983	10.7	21.4
3 22	9 21.48	+19 8.4	2.203	2.993	13.6	21.6
295033 2008 EU_{81}			2 13.7 319°.48	0°.2/13.9 17		
1 12	10 7.72	+11 52.8	2.361	3.188	11.1	19.9
1 22	10 2.71	+12 0.3	2.276	3.182	8.2	19.7
2 1	9 56.00	+12 15.1	2.216	3.176	4.8	19.4
2 11	9 48.21	+12 34.3	2.185	3.170	1.1	19.2
2 21	9 40.10	+12 54.3	2.183	3.164	2.7	19.3
3 2	9 32.52	+13 11.9	2.211	3.159	6.3	19.5
3 12	9 26.24	+13 24.0	2.266	3.153	9.6	19.7
3 22	9 21.78	+13 29.0	2.345	3.148	12.5	19.9
182182 2000 SK_{318}			2 13.7 189°.75	5°.3/ 8.1 18		
1 12	10 12.91	+29 48.2	2.566	3.402	10.1	20.4
1 22	10 6.52	+30 58.6	2.499	3.401	7.7	20.2
2 1	9 58.21	+32 4.9	2.458	3.399	5.8	20.1
2 11	9 48.69	+33 0.4	2.447	3.396	5.4	20.0
2 21	9 38.84	+33 39.8	2.466	3.393	6.8	20.1
3 2	9 29.61	+34 0.1	2.513	3.389	9.1	20.3
3 12	9 21.88	+34 1.2	2.585	3.384	11.5	20.4
3 22	9 16.22	+33 44.9	2.678	3.378	13.5	20.6
354919 2006 DJ_{69}			2 13.7 262°.21	1°.1/14.6 18		
1 12	10 9.08	+ 7 2.1	1.570	2.401	15.6	21.0
1 22	10 4.51	+ 7 47.7	1.486	2.392	11.7	20.8
2 1	9 57.42	+ 8 53.2	1.424	2.383	7.1	20.5
2 11	9 48.57	+10 13.3	1.389	2.373	2.2	20.1
2 21	9 39.09	+11 40.0	1.381	2.364	3.6	20.2
3 2	9 30.29	+13 4.1	1.402	2.354	8.7	20.5
3 12	9 23.40	+14 17.7	1.447	2.344	13.3	20.7
3 22	9 19.19	+15 15.8	1.513	2.334	17.3	21.0
366219 2012 TY_{189}			2 13.7 304°.66	0°.7/13.2 17		
1 12	10 8.39	+14 12.1	2.189	3.024	11.6	20.4
1 22	10 3.34	+14 31.9	2.105	3.017	8.4	20.2
2 1	9 56.42	+14 58.4	2.047	3.010	4.8	20.0
2 11	9 48.31	+15 27.6	2.017	3.003	1.1	19.7
2 21	9 39.84	+15 55.2	2.016	2.996	3.2	19.8
3 2	9 31.95	+16 17.2	2.045	2.989	7.0	20.0
3 12	9 25.48	+16 30.6	2.100	2.982	10.5	20.3
3 22	9 21.01	+16 34.3	2.178	2.976	13.5	20.4
503665 2016 GE_{245}			2 13.7 235°.98	2°.3/15.6 17		
1 12	10 8.39	+ 5 1.9	2.062	2.872	13.2	21.4
1 22	10 3.42	+ 5 14.1	1.975	2.867	10.0	21.2
2 1	9 56.51	+ 5 40.8	1.913	2.862	6.5	21.0
2 11	9 48.34	+ 6 19.6	1.878	2.857	3.0	20.8
2 21	9 39.76	+ 7 6.1	1.872	2.852	3.2	20.8
3 2	9 31.74	+ 7 55.4	1.895	2.847	6.8	21.0
3 12	9 25.18	+ 8 42.0	1.945	2.841	10.5	21.2
3 22	9 20.67	+ 9 22.0	2.018	2.836	13.7	21.4
153057 2000 QE_{146}			2 13.7 101°.13	2°.0/12.0 18		
1 12	10 11.78	+17 0.0	2.124	2.960	11.9	20.6
1 22	10 5.63	+17 50.5	2.071	2.983	8.5	20.4
2 1	9 57.62	+18 45.5	2.044	3.006	4.8	20.3
2 11	9 48.55	+19 39.1	2.046	3.029	2.0	20.1
2 21	9 39.34	+20 25.6	2.079	3.051	4.1	20.3
3 2	9 30.95	+21 0.9	2.141	3.073	7.5	20.5
3 12	9 24.19	+21 22.9	2.229	3.094	10.7	20.8
3 22	9 19.55	+21 31.4	2.340	3.114	13.3	21.0
15625 2000 HB_{35}			2 13.7 176°.11	7°.6/ 6.9 18		
1 12	10 15.95	+34 27.0	2.090	2.926	12.0	18.9
1 22	10 9.13	+35 45.3	2.033	2.928	9.6	18.7
2 1	9 59.86	+36 54.7	2.002	2.929	7.9	18.6
2 11	9 49.07	+37 46.3	1.999	2.930	7.8	18.6
2 21	9 37.95	+38 14.0	2.023	2.931	9.3	18.7
3 2	9 27.78	+38 15.5	2.074	2.931	11.6	18.8
3 12	9 19.65	+37 52.2	2.147	2.930	14.0	19.0
3 22	9 14.19	+37 8.5	2.239	2.929	16.1	19.2

138834 2000 UQ_{92} 2 13.7 161°.29 2°.2/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 9.51	+20 2.1	2.656	3.491	9.8	20.2
1 22	10 3.82	+20 29.4	2.582	3.494	7.1	20.0
2 1	9 56.55	+20 58.2	2.536	3.497	4.2	19.8
2 11	9 48.33	+21 24.4	2.519	3.499	2.2	19.7
2 21	9 39.90	+21 44.1	2.532	3.501	3.8	19.8
3 2	9 32.03	+21 54.7	2.576	3.503	6.7	20.0
3 12	9 25.43	+21 54.8	2.647	3.505	9.4	20.2
3 22	9 20.58	+21 44.5	2.741	3.507	11.8	20.3

344864 2004 HK_{60} 2 13.7 333°.48 7°.7/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.92	−11 23.6	2.186	2.914	15.1	20.2
1 22	10 0.87	−11 46.8	2.095	2.908	12.9	20.0
2 1	9 55.05	−11 46.4	2.025	2.903	10.6	19.8
2 11	9 48.04	−11 21.0	1.979	2.898	8.6	19.7
2 21	9 40.64	−10 32.0	1.958	2.894	7.7	19.6
3 2	9 33.71	− 9 23.5	1.964	2.890	8.5	19.7
3 12	9 28.09	− 8 2.2	1.996	2.886	10.6	19.8
3 22	9 24.35	− 6 35.6	2.052	2.882	13.0	19.9

83840 2001 UZ_{34} 2 13.7 114°.03 2°.6/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.77	+19 51.9	2.505	3.345	10.1	19.5
1 22	10 2.64	+20 51.6	2.442	3.357	7.3	19.3
2 1	9 55.91	+21 53.9	2.407	3.368	4.3	19.1
2 11	9 48.20	+22 53.3	2.401	3.379	2.6	19.0
2 21	9 40.28	+23 44.6	2.425	3.389	4.4	19.2
3 2	9 32.95	+24 24.0	2.479	3.400	7.2	19.4
3 12	9 26.92	+24 49.5	2.559	3.410	10.0	19.5
3 22	9 22.67	+25 1.1	2.662	3.420	12.3	19.7

334417 2002 EA_{63} 2 13.7 34°.40 0°.1/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.76	+11 22.3	1.202	2.057	17.8	20.6
1 22	10 6.00	+11 44.3	1.147	2.068	13.0	20.3
2 1	9 58.29	+12 21.5	1.114	2.079	7.5	20.1
2 11	9 48.76	+13 7.1	1.105	2.090	1.7	19.7
2 21	9 38.88	+13 52.9	1.121	2.103	4.3	19.9
3 2	9 30.26	+14 31.3	1.162	2.116	9.8	20.3
3 12	9 24.17	+14 57.1	1.226	2.130	14.7	20.6
3 22	9 21.25	+15 8.1	1.309	2.144	18.7	20.9

158532 2002 GL_{66} 2 13.7 97°.16 2°.7/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.23	+ 2 48.9	1.997	2.802	13.7	19.8
1 22	10 2.56	+ 3 15.7	1.921	2.808	10.5	19.6
2 1	9 56.00	+ 4 0.0	1.868	2.814	6.9	19.4
2 11	9 48.24	+ 4 58.5	1.843	2.820	3.5	19.2
2 21	9 40.17	+ 6 6.2	1.846	2.826	3.4	19.2
3 2	9 32.72	+ 7 16.8	1.879	2.831	6.8	19.4
3 12	9 26.76	+ 8 23.9	1.938	2.837	10.3	19.7
3 22	9 22.85	+ 9 22.8	2.021	2.843	13.5	19.9

43858 1994 AT 2 13.7 53°.95 1°.0/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.89	+12 38.5	1.113	1.973	18.6	18.5
1 22	10 7.66	+13 19.6	1.066	1.989	13.5	18.2
2 1	9 59.27	+14 15.4	1.040	2.006	7.7	17.9
2 11	9 48.96	+15 17.0	1.037	2.023	1.7	17.6
2 21	9 38.40	+16 14.3	1.060	2.040	4.9	17.9
3 2	9 29.30	+16 58.9	1.107	2.058	10.6	18.3
3 12	9 22.98	+17 26.2	1.177	2.077	15.5	18.6
3 22	9 20.05	+17 35.3	1.265	2.095	19.5	18.9

367227 2007 FY_{46} 2 13.7 58°.82 1°.8/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.22	+ 6 5.3	1.738	2.562	14.6	21.0
1 22	10 3.47	+ 6 32.2	1.670	2.571	11.0	20.7
2 1	9 56.59	+ 7 15.5	1.625	2.580	6.8	20.5
2 11	9 48.38	+ 8 11.1	1.607	2.589	2.6	20.3
2 21	9 39.85	+ 9 12.9	1.617	2.599	3.3	20.3
3 2	9 32.10	+10 14.1	1.655	2.609	7.5	20.6
3 12	9 26.09	+11 8.7	1.719	2.618	11.4	20.9
3 22	9 22.41	+11 52.7	1.805	2.628	14.8	21.1

210024 2006 KJ_{67} 2 13.7 241°.81 0°.3/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.07	+11 10.2	1.881	2.711	13.4	21.1
1 22	10 5.69	+11 53.6	1.789	2.697	9.9	20.9
2 1	9 58.01	+12 49.9	1.721	2.682	5.8	20.6
2 11	9 48.73	+13 53.9	1.681	2.666	1.2	20.2
2 21	9 38.83	+14 58.9	1.670	2.650	3.5	20.4
3 2	9 29.50	+15 58.2	1.688	2.634	8.1	20.6
3 12	9 21.80	+16 46.4	1.733	2.616	12.3	20.8
3 22	9 16.51	+17 20.8	1.800	2.599	15.8	21.0

340654 2006 RZ_{11} 2 13.7 101°.22 0°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.59	+10 58.3	2.536	3.357	10.6	21.3
1 22	10 2.41	+11 25.8	2.469	3.373	7.7	21.2
2 1	9 55.73	+12 1.2	2.428	3.388	4.5	21.0
2 11	9 48.17	+12 40.8	2.417	3.402	1.0	20.7
2 21	9 40.43	+13 20.8	2.436	3.417	2.5	20.9
3 2	9 33.26	+13 57.2	2.485	3.431	5.8	21.1
3 12	9 27.33	+14 27.1	2.563	3.446	8.8	21.3
3 22	9 23.08	+14 48.7	2.664	3.459	11.3	21.5

321910 2010 TJ_{28} 2 13.7 20°.87 2°.5/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 9.20	+ 6 7.9	1.434	2.267	16.7	20.7
1 22	10 4.59	+ 6 11.1	1.366	2.270	12.6	20.5
2 1	9 57.41	+ 6 32.6	1.319	2.275	8.0	20.2
2 11	9 48.58	+ 7 8.9	1.298	2.279	3.4	20.0
2 21	9 39.33	+ 7 54.2	1.303	2.285	3.9	20.0
3 2	9 31.00	+ 8 41.6	1.334	2.290	8.6	20.3
3 12	9 24.77	+ 9 24.2	1.390	2.297	13.1	20.6
3 22	9 21.31	+ 9 57.6	1.466	2.304	16.9	20.8

44457 1998 VG_{7} 2 13.7 76°.58 0°.3/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 14.78	+12 19.2	1.660	2.493	14.8	18.5
1 22	10 8.06	+12 46.0	1.614	2.524	10.7	18.3
2 1	9 59.10	+13 22.4	1.592	2.554	6.1	18.1
2 11	9 48.90	+14 2.6	1.598	2.584	1.3	17.9
2 21	9 38.65	+14 40.6	1.633	2.614	3.6	18.1
3 2	9 29.55	+15 11.3	1.697	2.643	8.0	18.4
3 12	9 22.53	+15 31.6	1.786	2.672	11.8	18.7
3 22	9 18.09	+15 40.5	1.897	2.700	15.0	19.0

432999 2012 QN_{24} 2 13.7 192°.95 0°.9/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.95	+ 8 35.3	2.463	3.277	11.1	21.9
1 22	10 2.81	+ 8 54.9	2.378	3.276	8.3	21.7
2 1	9 56.06	+ 9 24.6	2.319	3.275	5.0	21.5
2 11	9 48.27	+10 1.2	2.289	3.273	1.6	21.3
2 21	9 40.17	+10 40.9	2.289	3.271	2.5	21.3
3 2	9 32.58	+11 19.7	2.320	3.269	6.0	21.6
3 12	9 26.22	+11 53.9	2.378	3.266	9.2	21.8
3 22	9 21.60	+12 20.9	2.460	3.263	12.0	21.9

100396 1995 YH_{5} 2 13.7 299°.89 3°.8/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.74	+19 42.5	1.574	2.429	14.2	19.9
1 22	10 5.76	+20 48.2	1.503	2.424	10.4	19.7
2 1	9 58.13	+22 0.0	1.456	2.419	6.3	19.4
2 11	9 48.76	+23 8.9	1.436	2.415	3.8	19.3
2 21	9 38.86	+24 5.9	1.443	2.410	6.3	19.4
3 2	9 29.84	+24 44.7	1.477	2.405	10.5	19.6
3 12	9 22.90	+25 2.3	1.534	2.401	14.5	19.8
3 22	9 18.80	+24 59.5	1.610	2.396	17.9	20.1

519844 2013 LM_{36} 2 13.7 238°.90 3°.3/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.45	+ 0 35.4	2.045	2.839	13.8	21.6
1 22	10 2.82	+ 1 4.7	1.952	2.830	10.8	21.4
2 1	9 56.24	+ 1 53.8	1.882	2.821	7.4	21.2
2 11	9 48.33	+ 3 0.4	1.839	2.812	4.1	20.9
2 21	9 39.96	+ 4 19.6	1.825	2.802	3.8	20.9
3 2	9 32.08	+ 5 44.8	1.840	2.792	6.9	21.1
3 12	9 25.61	+ 7 8.6	1.883	2.782	10.6	21.3
3 22	9 21.20	+ 8 25.0	1.949	2.771	13.9	21.5

34758 2001 QH_{148} 2 13.7 326°.61 5°.2/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.33	+21 19.4	1.537	2.400	14.1	17.4
1 22	10 3.42	+23 3.0	1.466	2.390	10.3	17.2
2 1	9 56.87	+24 53.6	1.419	2.381	6.6	16.9
2 11	9 48.50	+26 39.8	1.399	2.372	5.2	16.8
2 21	9 39.51	+28 10.5	1.406	2.363	7.9	17.0
3 2	9 31.31	+29 17.2	1.439	2.355	11.8	17.2
3 12	9 25.15	+29 56.4	1.495	2.347	15.7	17.4
3 22	9 21.84	+30 8.9	1.569	2.340	18.9	17.6

495271 2013 QZ_{38} 2 13.7 219°.36 0°.8/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.46	+ 9 47.7	2.191	3.008	12.2	21.9
1 22	10 5.60	+ 9 58.5	2.100	3.000	9.1	21.7
2 1	9 57.78	+10 19.1	2.035	2.992	5.5	21.5
2 11	9 48.67	+10 46.4	1.999	2.984	1.6	21.2
2 21	9 39.14	+11 16.4	1.993	2.974	2.9	21.3
3 2	9 30.16	+11 44.9	2.017	2.965	6.8	21.5
3 12	9 22.63	+12 8.3	2.068	2.955	10.4	21.7
3 22	9 17.16	+12 24.2	2.143	2.944	13.5	21.9

111499 2001 YF_{61} 2 13.7 315°.48 4°.9/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.16	+27 1.0	2.335	3.183	10.5	19.5
1 22	10 3.20	+28 12.4	2.269	3.181	7.9	19.4
2 1	9 56.37	+29 21.8	2.230	3.179	5.6	19.2
2 11	9 48.35	+30 22.6	2.219	3.178	5.0	19.2
2 21	9 40.01	+31 8.8	2.236	3.176	6.6	19.3
3 2	9 32.30	+31 36.9	2.282	3.175	9.2	19.4
3 12	9 26.05	+31 45.9	2.352	3.173	11.7	19.6
3 22	9 21.83	+31 37.2	2.442	3.172	14.0	19.7

62723 2000 TG_{51} 2 13.7 180°.17 0°.4/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.57	+ 8 31.6	2.030	2.854	12.8	19.9
1 22	10 2.86	+ 9 27.9	1.951	2.855	9.4	19.7
2 1	9 56.22	+10 38.5	1.896	2.855	5.6	19.4
2 11	9 48.33	+11 58.0	1.870	2.855	1.4	19.1
2 21	9 40.06	+13 19.8	1.874	2.855	3.0	19.2
3 2	9 32.38	+14 37.1	1.907	2.855	7.1	19.5
3 12	9 26.17	+15 44.2	1.967	2.854	10.8	19.7
3 22	9 22.03	+16 37.7	2.050	2.854	14.0	19.9

74492 1999 CP_{122} 2 13.7 51.°60 9.°0/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 10.62	+37 22.8	2.049	2.890	12.0	18.5
1 22	10 5.52	+39 33.2	2.007	2.895	10.1	18.4
2 1	9 57.94	+41 32.7	1.992	2.900	9.1	18.3
2 11	9 48.73	+43 10.8	2.003	2.906	9.5	18.3
2 21	9 39.06	+44 20.1	2.040	2.911	11.0	18.5
3 2	9 30.22	+44 57.6	2.101	2.917	13.1	18.6
3 12	9 23.36	+45 4.8	2.183	2.922	15.1	18.8
3 22	9 19.16	+44 46.2	2.281	2.928	16.9	18.9

423806 2006 HT_{101} 2 13.7 161.°87 3.°2/10.4 17

1 12	10 8.99	+21 48.3	2.497	3.338	10.1	21.8
1 22	10 3.61	+22 48.1	2.428	3.342	7.4	21.6
2 1	9 56.53	+23 49.4	2.387	3.346	4.6	21.4
2 11	9 48.40	+24 46.3	2.375	3.349	3.2	21.3
2 21	9 39.99	+25 33.9	2.393	3.352	4.9	21.4
3 2	9 32.16	+26 8.2	2.440	3.355	7.7	21.6
3 12	9 25.67	+26 27.5	2.514	3.357	10.4	21.8
3 22	9 21.04	+26 32.3	2.610	3.359	12.7	22.0

149449 2003 CE_{10} 2 13.7 271.°61 0.°2/13.6 17

1 12	10 8.81	+ 9 56.0	2.137	2.961	12.3	19.6
1 22	10 3.95	+10 57.5	2.027	2.933	9.1	19.4
2 1	9 57.01	+12 13.9	1.943	2.904	5.3	19.1
2 11	9 48.56	+13 40.2	1.888	2.874	1.1	18.7
2 21	9 39.42	+15 9.7	1.864	2.844	3.3	18.8
3 2	9 30.61	+16 35.0	1.869	2.813	7.6	19.0
3 12	9 23.12	+17 49.9	1.902	2.781	11.6	19.2
3 22	9 17.71	+18 50.3	1.958	2.749	15.0	19.4

372892 2011 AO_{21} 2 13.7 96.°67 2.°1/12.0 18

1 12	10 9.69	+16 33.9	1.844	2.689	13.0	21.3
1 22	10 4.57	+17 25.9	1.774	2.691	9.4	21.1
2 1	9 57.27	+18 25.0	1.729	2.693	5.4	20.9
2 11	9 48.58	+19 24.5	1.712	2.695	2.2	20.7
2 21	9 39.52	+20 17.6	1.724	2.698	4.6	20.8
3 2	9 31.23	+20 58.7	1.764	2.700	8.6	21.1
3 12	9 24.69	+21 24.6	1.829	2.702	12.2	21.3
3 22	9 20.51	+21 34.7	1.915	2.704	15.4	21.5

208956 2002 XV 2 13.7 75.°81 0.°2/13.6 18

1 12	10 8.87	+11 30.0	2.187	3.014	11.9	21.3
1 22	10 3.48	+12 8.3	2.132	3.039	8.6	21.1
2 1	9 56.40	+12 55.3	2.103	3.064	4.9	21.0
2 11	9 48.35	+13 46.1	2.103	3.089	1.0	20.7
2 21	9 40.18	+14 35.7	2.133	3.113	2.9	20.9
3 2	9 32.73	+15 19.6	2.192	3.138	6.5	21.2
3 12	9 26.76	+15 54.4	2.279	3.162	9.8	21.4
3 22	9 22.71	+16 18.4	2.389	3.186	12.5	21.6

221271 2005 UY_{322} 2 13.7 217.°26 0.°1/13.9 18

1 12	10 9.94	+11 8.6	1.901	2.732	13.2	20.6
1 22	10 4.69	+11 33.4	1.822	2.731	9.7	20.4
2 1	9 57.33	+12 8.9	1.768	2.729	5.7	20.2
2 11	9 48.60	+12 50.8	1.742	2.727	1.3	19.9
2 21	9 39.47	+13 33.7	1.744	2.725	3.2	20.0
3 2	9 31.02	+14 12.3	1.775	2.723	7.5	20.3
3 12	9 24.22	+14 42.3	1.832	2.721	11.4	20.5
3 22	9 19.70	+15 1.5	1.912	2.719	14.7	20.7

287422 2002 WS_{21} 2 13.7 80.°34 3.°8/ 9.9 18

1 12	10 8.27	+22 26.8	2.187	3.035	11.1	20.5
1 22	10 3.27	+23 37.1	2.126	3.043	8.1	20.3
2 1	9 56.40	+24 48.6	2.092	3.051	5.1	20.2
2 11	9 48.38	+25 54.5	2.087	3.059	3.8	20.1
2 21	9 40.09	+26 48.6	2.111	3.068	5.7	20.2
3 2	9 32.48	+27 26.6	2.164	3.076	8.6	20.4
3 12	9 26.40	+27 47.1	2.241	3.084	11.5	20.6
3 22	9 22.38	+27 50.5	2.340	3.093	13.9	20.8

33181 Aalokpatwa 2 13.7 200.°57 1.°5/12.5 18

1 12	10 9.91	+15 27.6	2.064	2.902	12.1	19.0
1 22	10 4.57	+16 11.0	1.987	2.900	8.8	18.8
2 1	9 57.22	+17 1.7	1.935	2.898	5.0	18.6
2 11	9 48.57	+17 53.9	1.911	2.896	1.6	18.3
2 21	9 39.55	+18 41.9	1.917	2.893	3.9	18.5
3 2	9 31.18	+19 20.8	1.952	2.890	7.7	18.7
3 12	9 24.36	+19 47.2	2.014	2.887	11.3	18.9
3 22	9 19.70	+20 0.2	2.097	2.884	14.3	19.1

56867 2000 QL_{97} 2 13.7 185.°40 2.°3/11.3 18

1 12	10 8.92	+20 36.6	2.806	3.641	9.3	20.1
1 22	10 3.39	+21 12.8	2.729	3.641	6.7	19.9
2 1	9 56.34	+21 50.5	2.680	3.640	4.0	19.7
2 11	9 48.36	+22 25.2	2.661	3.640	2.3	19.6
2 21	9 40.14	+22 53.3	2.673	3.638	3.9	19.7
3 2	9 32.42	+23 11.7	2.714	3.637	6.6	19.9
3 12	9 25.89	+23 19.1	2.783	3.635	9.2	20.0
3 22	9 21.01	+23 15.2	2.875	3.633	11.5	20.2

231315 2006 BU_{268} 2 13.7 46.°49 6.°8/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 13.28	+29 39.7	1.710	2.563	13.4	19.9
1 22	10 7.36	+30 45.0	1.661	2.572	10.3	19.7
2 1	9 58.90	+31 44.0	1.636	2.582	7.6	19.6
2 11	9 48.92	+32 27.4	1.637	2.592	6.9	19.6
2 21	9 38.73	+32 48.9	1.665	2.603	8.7	19.7
3 2	9 29.66	+32 45.6	1.719	2.613	11.6	19.9
3 12	9 22.82	+32 19.2	1.796	2.624	14.5	20.1
3 22	9 18.76	+31 33.5	1.891	2.635	17.1	20.3

54516 2000 PB_{20} 2 13.8 30.°49 5.°0/10.4 18

1 12	10 14.87	+27 52.3	1.984	2.828	12.2	17.9
1 22	10 8.14	+28 13.7	1.925	2.835	9.2	17.7
2 1	9 59.19	+28 29.7	1.891	2.842	6.3	17.5
2 11	9 48.98	+28 34.1	1.884	2.850	5.0	17.5
2 21	9 38.62	+28 22.8	1.907	2.858	6.6	17.6
3 2	9 29.29	+27 54.4	1.957	2.867	9.5	17.8
3 12	9 21.92	+27 10.1	2.032	2.876	12.5	18.0
3 22	9 17.05	+26 12.9	2.129	2.885	15.0	18.2

497714 2006 SS_{117} 2 13.8 124.°78 0.°6/14.4 17

1 12	10 7.07	+ 9 21.6	2.794	3.607	10.0	22.7
1 22	10 1.95	+ 9 47.1	2.721	3.620	7.3	22.5
2 1	9 55.47	+10 20.9	2.676	3.632	4.4	22.3
2 11	9 48.17	+10 59.9	2.660	3.645	1.2	22.1
2 21	9 40.69	+11 40.4	2.675	3.657	2.2	22.2
3 2	9 33.71	+12 18.9	2.721	3.668	5.3	22.4
3 12	9 27.83	+12 52.5	2.795	3.680	8.1	22.6
3 22	9 23.47	+13 19.0	2.894	3.690	10.5	22.8

157691 2005 YG_{263} 2 13.8 57.°69 0.°9/14.5 18

1 12	10 8.99	+ 8 7.2	1.675	2.506	14.8	20.2
1 22	10 4.01	+ 8 43.5	1.620	2.526	10.9	20.0
2 1	9 56.89	+ 9 34.7	1.588	2.546	6.5	19.8
2 11	9 48.49	+10 35.1	1.582	2.567	1.9	19.6
2 21	9 39.90	+11 38.1	1.605	2.587	3.2	19.7
3 2	9 32.21	+12 36.9	1.656	2.608	7.6	20.0
3 12	9 26.36	+13 26.1	1.733	2.629	11.5	20.3
3 22	9 22.88	+14 2.7	1.831	2.650	14.8	20.6

440289 2004 RY_{217} 2 13.8 20.°90 12.°8/14.6 15

1 12	10 44.09	+42 49.8	0.697	1.555	26.7	18.3
1 22	10 30.60	+41 22.6	0.674	1.579	21.5	18.1
2 1	10 11.78	+39 11.8	0.667	1.607	16.4	17.9
2 11	9 51.44	+36 9.8	0.681	1.638	13.1	17.9
2 21	9 33.44	+32 27.6	0.717	1.671	13.6	18.1
3 2	9 20.34	+28 28.1	0.777	1.707	17.1	18.4
3 12	9 12.96	+24 33.6	0.858	1.745	21.0	18.8
3 22	9 10.79	+20 57.1	0.957	1.785	24.4	19.2

126382 2002 AC_{201} 2 13.8 261.°97 2.°2/15.4 17

1 12	10 9.27	+ 5 52.8	1.972	2.786	13.5	20.4
1 22	10 4.22	+ 6 0.3	1.881	2.775	10.3	20.1
2 1	9 57.10	+ 6 22.1	1.814	2.765	6.6	19.9
2 11	9 48.58	+ 6 55.7	1.774	2.754	2.9	19.6
2 21	9 39.57	+ 7 36.9	1.763	2.744	3.3	19.6
3 2	9 31.11	+ 8 20.6	1.781	2.733	7.2	19.9
3 12	9 24.18	+ 9 1.7	1.825	2.722	11.0	20.1
3 22	9 19.42	+ 9 36.1	1.892	2.711	14.4	20.3

133736 2003 VZ_{1} 2 13.8 117.°80 1.°3/12.6 18

1 12	10 9.00	+15 15.5	2.284	3.118	11.2	20.3
1 22	10 3.65	+15 57.3	2.217	3.129	8.1	20.1
2 1	9 56.57	+16 45.0	2.176	3.139	4.6	19.9
2 11	9 48.43	+17 33.8	2.164	3.149	1.4	19.7
2 21	9 40.06	+18 18.7	2.182	3.159	3.4	19.8
3 2	9 32.34	+18 55.3	2.230	3.168	6.9	20.1
3 12	9 26.03	+19 21.1	2.305	3.177	10.1	20.3
3 22	9 21.64	+19 34.9	2.403	3.186	12.8	20.5

145601 2006 QV_{19} 2 13.8 228.°70 2.°4/15.6 18

1 12	10 10.24	+ 4 32.9	1.913	2.722	14.1	20.4
1 22	10 5.00	+ 4 51.5	1.822	2.713	10.8	20.1
2 1	9 57.58	+ 5 27.0	1.755	2.704	7.0	19.9
2 11	9 48.70	+ 6 16.5	1.715	2.694	3.2	19.6
2 21	9 39.29	+ 7 14.9	1.704	2.684	3.4	19.6
3 2	9 30.44	+ 8 16.3	1.721	2.673	7.4	19.8
3 12	9 23.18	+ 9 14.4	1.766	2.662	11.4	20.1
3 22	9 18.18	+10 4.3	1.833	2.651	14.9	20.3

491039 2011 QT_{14} 2 13.8 207.°49 0.°8/14.4 18

1 12	10 11.65	+ 7 41.3	1.851	2.671	14.1	22.3
1 22	10 6.09	+ 8 27.7	1.764	2.665	10.5	22.0
2 1	9 58.25	+ 9 30.4	1.702	2.659	6.3	21.8
2 11	9 48.85	+10 44.4	1.667	2.652	1.8	21.5
2 21	9 38.91	+12 2.8	1.662	2.644	3.2	21.5
3 2	9 29.59	+13 18.1	1.687	2.635	7.8	21.8
3 12	9 21.95	+14 23.9	1.738	2.626	12.0	22.0
3 22	9 16.72	+15 16.3	1.811	2.616	15.5	22.2

381284 2007 TW_{399} 2 13.8 158°.63 3°.5/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 7.13	− 0 12.7	2.571	3.348	11.8	21.6
1 22	10 2.16	− 0 11.4	2.486	3.352	9.3	21.4
2 1	9 55.68	+ 0 4.5	2.426	3.356	6.5	21.3
2 11	9 48.25	+ 0 33.6	2.394	3.359	4.1	21.1
2 21	9 40.55	+ 1 13.2	2.391	3.362	3.7	21.1
3 2	9 33.32	+ 1 59.5	2.418	3.365	5.9	21.2
3 12	9 27.24	+ 2 47.8	2.473	3.368	8.6	21.4
3 22	9 22.79	+ 3 34.2	2.553	3.370	11.2	21.6

246593 2008 UY_{157} 2 13.8 135°.71 5°.1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.97	+27 31.6	2.280	3.124	10.9	20.6
1 22	10 5.24	+28 37.7	2.220	3.130	8.2	20.5
2 1	9 57.55	+29 40.7	2.187	3.136	5.8	20.3
2 11	9 48.67	+30 33.8	2.183	3.142	5.1	20.3
2 21	9 39.53	+31 11.3	2.208	3.147	6.7	20.4
3 2	9 31.12	+31 30.3	2.260	3.153	9.3	20.6
3 12	9 24.31	+31 30.2	2.337	3.158	11.8	20.8
3 22	9 19.65	+31 13.1	2.435	3.163	14.1	20.9

349045 2006 VK_{126} 2 13.8 128°.16 2°.1/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.68	+ 3 49.5	2.765	3.558	10.6	21.8
1 22	10 1.71	+ 4 2.5	2.688	3.569	8.1	21.7
2 1	9 55.36	+ 4 26.9	2.636	3.580	5.3	21.5
2 11	9 48.18	+ 5 0.6	2.614	3.590	2.7	21.3
2 21	9 40.80	+ 5 40.5	2.621	3.600	2.7	21.4
3 2	9 33.89	+ 6 23.0	2.659	3.609	5.2	21.5
3 12	9 28.07	+ 7 4.3	2.726	3.618	8.0	21.7
3 22	9 23.76	+ 7 41.3	2.818	3.627	10.4	21.9

468995 2015 AX_{172} 2 13.8 77°.50 1°.8/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.42	+16 22.3	1.978	2.820	12.3	21.7
1 22	10 4.23	+17 4.1	1.909	2.824	8.9	21.5
2 1	9 57.03	+17 52.2	1.865	2.829	5.1	21.2
2 11	9 48.57	+18 40.7	1.850	2.834	1.9	21.0
2 21	9 39.80	+19 23.8	1.863	2.838	4.1	21.2
3 2	9 31.76	+19 56.7	1.905	2.843	7.9	21.4
3 12	9 25.35	+20 16.7	1.973	2.847	11.4	21.7
3 22	9 21.15	+20 23.0	2.063	2.852	14.4	21.9

53876 2000 FY_{34} 2 13.8 101°.18 0°.6/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.64	+11 31.3	1.525	2.362	15.6	18.8
1 22	10 7.61	+12 26.0	1.470	2.382	11.3	18.6
2 1	9 59.07	+13 33.8	1.439	2.401	6.4	18.4
2 11	9 49.01	+14 47.0	1.435	2.420	1.4	18.1
2 21	9 38.71	+15 57.0	1.459	2.439	4.0	18.3
3 2	9 29.50	+16 56.5	1.511	2.457	8.8	18.6
3 12	9 22.46	+17 40.8	1.589	2.474	13.0	18.9
3 22	9 18.19	+18 8.4	1.687	2.491	16.5	19.2

411353 2010 UQ_{78} 2 13.8 114°.54 8°.9/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.10	−14 31.3	2.106	2.804	16.4	22.3
1 22	10 5.32	−15 10.6	2.035	2.822	14.2	22.2
2 1	9 57.61	−15 23.9	1.985	2.840	11.8	22.1
2 11	9 48.69	−15 9.2	1.958	2.857	9.9	22.0
2 21	9 39.48	−14 27.9	1.956	2.873	8.9	22.0
3 2	9 30.95	−13 24.4	1.981	2.889	9.5	22.0
3 12	9 23.98	−12 5.9	2.032	2.905	11.2	22.2
3 22	9 19.13	−10 40.6	2.107	2.920	13.4	22.3

195613 2002 LQ_{16} 2 13.8 285°.59 0°.1/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.13	+11 52.5	2.005	2.837	12.6	20.5
1 22	10 4.22	+12 19.1	1.905	2.815	9.3	20.3
2 1	9 57.18	+12 56.2	1.831	2.792	5.5	20.0
2 11	9 48.64	+13 39.8	1.784	2.769	1.2	19.6
2 21	9 39.51	+14 24.4	1.766	2.747	3.3	19.8
3 2	9 30.85	+15 4.8	1.777	2.724	7.6	20.0
3 12	9 23.67	+15 36.5	1.814	2.701	11.6	20.2
3 22	9 18.71	+15 56.9	1.873	2.678	15.1	20.3

240032 2001 UP_{99} 2 13.8 79°.08 2°.4/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.61	+18 46.6	2.268	3.109	11.0	20.5
1 22	10 3.37	+19 36.6	2.210	3.125	7.9	20.4
2 1	9 56.40	+20 29.8	2.179	3.141	4.6	20.2
2 11	9 48.41	+21 20.5	2.177	3.157	2.4	20.1
2 21	9 40.25	+22 3.8	2.204	3.173	4.3	20.2
3 2	9 32.78	+22 35.6	2.261	3.189	7.4	20.4
3 12	9 26.76	+22 54.1	2.344	3.205	10.4	20.6
3 22	9 22.67	+22 59.2	2.449	3.221	12.9	20.8

87193 2000 OS_{17} 2 13.8 323°.04 1°.0/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 14.80	+12 9.9	1.579	2.414	15.3	18.0
1 22	10 8.70	+11 39.5	1.494	2.403	11.4	17.8
2 1	9 59.88	+11 16.6	1.433	2.393	6.9	17.5
2 11	9 49.25	+10 58.9	1.399	2.384	2.0	17.2
2 21	9 38.03	+10 43.2	1.392	2.374	3.7	17.2
3 2	9 27.66	+10 26.8	1.414	2.365	8.7	17.5
3 12	9 19.39	+10 7.2	1.460	2.357	13.2	17.8
3 22	9 14.00	+ 9 42.9	1.528	2.349	17.1	18.0

243369 2008 WC_{102} 2 13.8 29°.38 14°.3/17.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 21.41	− 6 25.1	1.006	1.800	24.9	19.0
1 22	10 14.64	− 9 21.2	0.947	1.804	21.3	18.8
2 1	10 3.83	−11 50.6	0.905	1.809	17.6	18.6
2 11	9 50.18	−13 41.0	0.884	1.814	14.9	18.5
2 21	9 35.59	−14 44.7	0.884	1.820	14.5	18.4
3 2	9 22.37	−15 2.2	0.906	1.827	16.4	18.6
3 12	9 12.45	−14 43.6	0.948	1.834	19.7	18.8
3 22	9 6.83	−14 3.0	1.006	1.841	23.0	19.0

182091 2000 JD_{13} 2 13.8 262°.10 1°.8/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.45	+ 6 2.1	1.977	2.791	13.5	21.1
1 22	10 4.45	+ 6 22.7	1.877	2.773	10.3	20.8
2 1	9 57.32	+ 6 58.7	1.802	2.754	6.5	20.6
2 11	9 48.69	+ 7 47.2	1.754	2.735	2.6	20.3
2 21	9 39.46	+ 8 43.5	1.735	2.716	3.2	20.3
3 2	9 30.70	+ 9 41.6	1.745	2.696	7.3	20.5
3 12	9 23.42	+10 35.6	1.781	2.676	11.3	20.7
3 22	9 18.35	+11 21.1	1.841	2.656	14.9	20.9

56760 2000 OY_{18} 2 13.8 22°.25 1°.4/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 15.24	+11 6.8	1.604	2.435	15.3	18.3
1 22	10 8.80	+10 35.0	1.532	2.438	11.4	18.1
2 1	9 59.81	+10 12.1	1.484	2.442	6.9	17.8
2 11	9 49.22	+ 9 55.6	1.462	2.446	2.3	17.5
2 21	9 38.26	+ 9 42.8	1.468	2.450	3.6	17.6
3 2	9 28.27	+ 9 30.8	1.503	2.455	8.3	17.9
3 12	9 20.40	+ 9 16.8	1.563	2.459	12.5	18.2
3 22	9 15.30	+ 8 59.0	1.645	2.465	16.2	18.4

410734 2009 CQ_{27} 2 13.8 270°.78 2°.4/12.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.09	+16 46.8	1.619	2.467	14.3	21.9
1 22	10 6.81	+17 31.7	1.535	2.453	10.5	21.6
2 1	9 58.86	+18 25.2	1.475	2.439	6.1	21.4
2 11	9 49.06	+19 20.0	1.441	2.425	2.4	21.1
2 21	9 38.61	+20 8.4	1.436	2.411	5.1	21.2
3 2	9 28.89	+20 43.8	1.458	2.396	9.8	21.5
3 12	9 21.17	+21 2.5	1.504	2.382	14.1	21.7
3 22	9 16.27	+21 3.8	1.570	2.367	17.8	21.9

327343 2005 UZ_{185} 2 13.8 192°.31 2°.3/11.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.71	+17 44.8	2.059	2.900	12.0	21.8
1 22	10 5.19	+18 32.8	1.984	2.899	8.7	21.6
2 1	9 57.63	+19 26.2	1.935	2.898	5.0	21.4
2 11	9 48.75	+20 18.8	1.914	2.896	2.3	21.2
2 21	9 39.50	+21 4.6	1.923	2.894	4.4	21.3
3 2	9 30.93	+21 38.9	1.960	2.892	8.1	21.5
3 12	9 23.96	+21 59.0	2.024	2.890	11.6	21.7
3 22	9 19.19	+22 4.5	2.109	2.887	14.5	21.9

162754 2000 WP_{56} 2 13.8 56°.49 4°.1/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.70	+ 2 12.9	1.426	2.244	17.6	19.4
1 22	10 5.69	+ 2 7.9	1.362	2.254	13.6	19.2
2 1	9 58.09	+ 2 25.0	1.318	2.264	9.2	19.0
2 11	9 48.87	+ 3 1.9	1.299	2.274	5.1	18.8
2 21	9 39.26	+ 3 53.1	1.306	2.285	4.8	18.8
3 2	9 30.62	+ 4 51.3	1.340	2.295	8.7	19.0
3 12	9 24.12	+ 5 48.4	1.398	2.306	12.9	19.3
3 22	9 20.41	+ 6 38.2	1.478	2.317	16.7	19.6

433549 2013 XU_{4} 2 13.8 59°.21 3°.5/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.73	+19 8.2	1.974	2.824	12.0	20.4
1 22	10 2.99	+20 46.3	1.926	2.845	8.6	20.2
2 1	9 56.30	+22 28.5	1.904	2.866	5.2	20.0
2 11	9 48.45	+24 6.3	1.911	2.887	3.5	19.9
2 21	9 40.36	+25 31.7	1.947	2.908	5.6	20.1
3 2	9 33.05	+26 39.1	2.012	2.930	8.8	20.4
3 12	9 27.37	+27 25.9	2.102	2.951	11.9	20.6
3 22	9 23.84	+27 52.6	2.213	2.972	14.5	20.8

424994 2009 CM_{36} 2 13.8 45°.97 1°.8/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.65	+12 24.0	1.676	2.519	14.2	20.3
1 22	10 3.71	+14 15.4	1.641	2.557	10.0	20.2
2 1	9 56.70	+16 17.0	1.631	2.595	5.6	20.0
2 11	9 48.52	+18 18.6	1.649	2.634	1.9	19.8
2 21	9 40.25	+20 10.1	1.698	2.672	4.5	20.1
3 2	9 32.97	+21 43.9	1.775	2.711	8.5	20.4
3 12	9 27.55	+22 55.7	1.878	2.749	12.1	20.7
3 22	9 24.45	+23 45.2	2.002	2.787	14.9	21.0

140147 2001 SZ_{160} 2 13.8 185°.64 3°.2/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.30	+ 0 16.2	2.568	3.349	11.7	20.7
1 22	10 1.61	+ 0 27.7	2.480	3.349	9.2	20.5
2 1	9 55.42	+ 0 54.0	2.416	3.349	6.4	20.3
2 11	9 48.26	+ 1 33.5	2.380	3.348	3.9	20.2
2 21	9 40.81	+ 2 23.1	2.374	3.347	3.5	20.1
3 2	9 33.80	+ 3 18.6	2.397	3.346	5.8	20.3
3 12	9 27.91	+ 4 15.0	2.449	3.345	8.6	20.5
3 22	9 23.64	+ 5 8.3	2.526	3.344	11.2	20.6

90670 5183 T-3 2 13.8 98°.24 0°.7/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 8.89	+ 7 39.5	2.044	2.862	12.9	19.9
1 22	10 3.70	+ 8 29.5	1.980	2.881	9.5	19.7
2 1	9 56.67	+ 9 32.9	1.942	2.899	5.7	19.5
2 11	9 48.53	+10 44.6	1.932	2.917	1.6	19.3
2 21	9 40.17	+11 58.4	1.952	2.934	2.8	19.4
3 2	9 32.53	+13 7.9	2.002	2.951	6.7	19.7
3 12	9 26.40	+14 8.3	2.079	2.968	10.3	19.9
3 22	9 22.32	+14 56.4	2.180	2.985	13.2	20.1

40472 1999 RU_{49} 2 13.8 162°.90 0°.4/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.95	+ 9 29.3	2.094	2.912	12.7	20.0
1 22	10 5.97	+10 4.8	2.018	2.919	9.4	19.8
2 1	9 58.04	+10 51.9	1.967	2.925	5.5	19.5
2 11	9 48.85	+11 46.0	1.945	2.930	1.4	19.3
2 21	9 39.33	+12 41.6	1.954	2.935	2.9	19.4
3 2	9 30.48	+13 33.4	1.992	2.939	7.0	19.7
3 12	9 23.17	+14 17.0	2.058	2.942	10.6	19.9
3 22	9 18.00	+14 49.8	2.147	2.944	13.7	20.1

192202 2007 HP_{70} 2 13.8 198°.31 1°.7/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.56	+ 5 54.8	2.379	3.184	11.8	21.3
1 22	10 3.38	+ 6 14.4	2.291	3.182	8.9	21.1
2 1	9 56.49	+ 6 46.4	2.229	3.179	5.6	20.9
2 11	9 48.51	+ 7 28.1	2.195	3.175	2.4	20.7
2 21	9 40.18	+ 8 15.5	2.191	3.172	2.7	20.7
3 2	9 32.35	+ 9 4.0	2.217	3.167	6.1	20.9
3 12	9 25.77	+ 9 49.3	2.271	3.163	9.4	21.1
3 22	9 21.01	+10 27.8	2.350	3.158	12.3	21.3

507312 2011 QS_{22} 2 13.8 184°.49 0°.8/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.57	+ 9 12.4	3.258	4.061	8.9	22.4
1 22	10 2.94	+ 9 18.1	3.169	4.061	6.6	22.2
2 1	9 56.06	+ 9 30.4	3.107	4.060	4.0	22.1
2 11	9 48.40	+ 9 47.2	3.076	4.059	1.4	21.9
2 21	9 40.51	+10 6.2	3.077	4.058	2.0	21.9
3 2	9 33.02	+10 24.9	3.109	4.056	4.7	22.1
3 12	9 26.47	+10 41.0	3.171	4.053	7.3	22.3
3 22	9 21.28	+10 52.8	3.259	4.050	9.6	22.4

426256 2012 QT_{20} 2 13.8 245°.94 1°.6/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.40	+17 21.7	2.221	3.058	11.4	21.3
1 22	10 4.81	+17 44.1	2.143	3.056	8.2	21.1
2 1	9 57.34	+18 10.5	2.091	3.054	4.7	20.8
2 11	9 48.70	+18 36.4	2.068	3.052	1.7	20.6
2 21	9 39.74	+18 57.5	2.074	3.049	3.7	20.8
3 2	9 31.42	+19 10.2	2.110	3.047	7.3	21.0
3 12	9 24.58	+19 12.5	2.172	3.045	10.6	21.2
3 22	9 19.78	+19 4.1	2.257	3.042	13.4	21.4

380403 2002 YD_{7} 2 13.8 351°.19 2°.3/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.82	+ 8 34.9	1.843	2.665	14.0	19.1
1 22	10 6.14	+ 7 56.4	1.761	2.660	10.6	18.8
2 1	9 58.24	+ 7 27.4	1.702	2.656	6.7	18.6
2 11	9 48.91	+ 7 6.6	1.671	2.652	3.0	18.3
2 21	9 39.17	+ 6 52.2	1.669	2.649	3.6	18.4
3 2	9 30.15	+ 6 41.5	1.695	2.646	7.5	18.6
3 12	9 22.86	+ 6 31.7	1.747	2.645	11.4	18.8
3 22	9 17.94	+ 6 20.2	1.821	2.644	14.7	19.0

137937 2000 BP_{34} 2 13.8 84°.05 1°.7/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.49	+16 13.6	1.668	2.513	14.1	19.4
1 22	10 6.82	+16 43.5	1.598	2.515	10.3	19.2
2 1	9 58.70	+17 20.4	1.552	2.516	5.9	18.9
2 11	9 49.02	+17 58.1	1.533	2.517	1.9	18.7
2 21	9 38.93	+18 30.2	1.542	2.519	4.5	18.8
3 2	9 29.74	+18 51.7	1.579	2.520	8.9	19.1
3 12	9 22.55	+18 59.8	1.640	2.522	13.0	19.3
3 22	9 18.00	+18 54.2	1.723	2.523	16.4	19.6

215474 2002 RD_{66} 2 13.8 255°.67 1°.1/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.85	+17 53.2	1.150	1.996	19.1	19.6
1 22	10 18.48	+17 13.2	1.074	1.989	14.2	19.3
2 1	10 6.00	+16 33.9	1.019	1.982	8.4	18.9
2 11	9 50.70	+15 50.0	0.989	1.974	2.0	18.5
2 21	9 34.58	+14 58.1	0.986	1.967	5.2	18.7
3 2	9 19.98	+13 57.5	1.010	1.959	11.7	19.0
3 12	9 8.76	+12 50.1	1.057	1.951	17.4	19.3
3 22	9 1.85	+11 38.5	1.123	1.943	22.1	19.6

166227 2002 FQ_{11} 2 13.8 349°.14 0°.4/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.11	+11 56.3	1.372	2.218	16.6	19.6
1 22	10 7.71	+11 53.8	1.300	2.215	12.3	19.3
2 1	9 59.41	+12 2.9	1.250	2.213	7.2	19.0
2 11	9 49.20	+12 19.2	1.226	2.211	1.8	18.7
2 21	9 38.46	+12 37.1	1.228	2.210	4.0	18.8
3 2	9 28.74	+12 51.1	1.256	2.209	9.4	19.1
3 12	9 21.35	+12 57.1	1.308	2.208	14.2	19.4
3 22	9 17.04	+12 53.2	1.379	2.208	18.2	19.7

176168 2001 KX_{6} 2 13.8 197°.40 0°.9/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 10.80	+ 8 23.6	2.456	3.264	11.3	21.0
1 22	10 4.98	+ 8 50.5	2.365	3.260	8.4	20.8
2 1	9 57.42	+ 9 28.1	2.301	3.256	5.1	20.6
2 11	9 48.73	+10 13.1	2.267	3.250	1.6	20.3
2 21	9 39.68	+11 1.1	2.263	3.244	2.6	20.4
3 2	9 31.10	+11 47.8	2.290	3.237	6.1	20.6
3 12	9 23.80	+12 29.0	2.346	3.229	9.5	20.8
3 22	9 18.33	+13 2.2	2.426	3.221	12.3	21.0

226018 2002 EQ_{102} 2 13.8 329°.79 1°.4/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.07	+10 0.2	1.627	2.461	14.9	19.6
1 22	10 5.92	+ 9 44.8	1.543	2.451	11.2	19.4
2 1	9 58.28	+ 9 40.3	1.482	2.441	6.9	19.1
2 11	9 48.95	+ 9 44.1	1.447	2.431	2.3	18.8
2 21	9 39.09	+ 9 52.5	1.440	2.422	3.5	18.9
3 2	9 29.96	+10 1.2	1.461	2.414	8.3	19.1
3 12	9 22.75	+10 6.3	1.506	2.406	12.7	19.3
3 22	9 18.18	+10 5.1	1.572	2.399	16.5	19.6

89044 2001 TG_{113} 2 13.8 134°.37 4°.1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.97	+ 0 57.5	1.911	2.706	14.6	19.6
1 22	10 4.70	+ 0 49.6	1.832	2.710	11.5	19.4
2 1	9 57.38	+ 0 59.5	1.777	2.713	8.0	19.2
2 11	9 48.73	+ 1 26.0	1.747	2.717	4.8	19.0
2 21	9 39.71	+ 2 5.4	1.746	2.720	4.4	19.0
3 2	9 31.35	+ 2 52.8	1.773	2.723	7.3	19.2
3 12	9 24.59	+ 3 42.1	1.827	2.726	10.8	19.4
3 22	9 20.04	+ 4 28.0	1.903	2.729	14.1	19.6

100177 1994 AH_{5} 2 13.8 269°.66 0°.5/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.47	+10 20.7	2.199	3.023	11.9	20.2
1 22	10 3.47	+10 37.9	2.111	3.015	8.8	20.0
2 1	9 56.62	+11 4.8	2.048	3.007	5.2	19.8
2 11	9 48.56	+11 38.1	2.014	2.999	1.4	19.5
2 21	9 40.12	+12 13.5	2.009	2.991	2.8	19.6
3 2	9 32.20	+12 46.8	2.033	2.982	6.7	19.8
3 12	9 25.66	+13 14.1	2.085	2.974	10.2	20.0
3 22	9 21.08	+13 32.9	2.160	2.966	13.3	20.2

53609 2000 CE_{82} 2 13.8 283°.39 1°.0/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.99	+14 16.7	1.420	2.267	16.0	18.7
1 22	10 8.59	+14 34.7	1.331	2.248	11.8	18.4
2 1	10 0.11	+15 3.4	1.265	2.229	6.9	18.1
2 11	9 49.41	+15 37.0	1.224	2.209	1.6	17.7
2 21	9 37.83	+16 8.3	1.209	2.189	4.6	17.8
3 2	9 27.01	+16 30.7	1.222	2.170	10.2	18.1
3 12	9 18.45	+16 40.0	1.258	2.150	15.3	18.3
3 22	9 13.10	+16 34.7	1.313	2.130	19.6	18.5

195866 2002 QJ_{97} 2 13.8 25°.50 1°.3/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.32	+14 51.0	1.944	2.786	12.5	20.5
1 22	10 3.51	+15 33.0	1.872	2.788	9.1	20.3
2 1	9 56.68	+16 22.9	1.826	2.790	5.2	20.1
2 11	9 48.58	+17 14.9	1.807	2.792	1.5	19.8
2 21	9 40.15	+18 3.3	1.818	2.795	3.8	20.0
3 2	9 32.41	+18 42.7	1.856	2.798	7.8	20.2
3 12	9 26.27	+19 9.7	1.921	2.801	11.4	20.5
3 22	9 22.33	+19 23.2	2.007	2.804	14.5	20.7

97840 2000 PS_{19} 2 13.8 117°.03 3°.2/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 14.20	+18 33.2	1.731	2.575	13.7	20.1
1 22	10 7.90	+19 42.2	1.677	2.593	9.9	19.9
2 1	9 59.24	+20 56.1	1.647	2.610	5.8	19.7
2 11	9 49.14	+22 6.4	1.646	2.626	3.2	19.6
2 21	9 38.79	+23 5.5	1.674	2.642	5.5	19.8
3 2	9 29.44	+23 47.7	1.729	2.657	9.4	20.0
3 12	9 22.11	+24 11.0	1.810	2.671	12.9	20.3
3 22	9 17.41	+24 16.2	1.912	2.685	15.9	20.5

88042 2000 UT_{103} 2 13.8 153°.13 0°.7/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.15	+14 15.4	2.523	3.347	10.6	20.6
1 22	10 5.10	+14 45.4	2.450	3.356	7.7	20.4
2 1	9 57.41	+15 21.1	2.404	3.365	4.4	20.2
2 11	9 48.73	+15 58.5	2.388	3.373	1.1	20.0
2 21	9 39.82	+16 33.4	2.403	3.381	2.9	20.2
3 2	9 31.50	+17 2.2	2.449	3.388	6.3	20.4
3 12	9 24.49	+17 22.5	2.522	3.394	9.3	20.6
3 22	9 19.30	+17 33.1	2.619	3.400	11.9	20.8

15604 Fruits 2 13.8 230°.53 2°.9/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.76	+ 2 42.1	1.803	2.607	15.0	18.9
1 22	10 5.58	+ 3 10.7	1.709	2.596	11.6	18.6
2 1	9 58.07	+ 3 59.7	1.638	2.585	7.7	18.4
2 11	9 48.94	+ 5 6.5	1.594	2.572	3.8	18.1
2 21	9 39.18	+ 6 25.2	1.579	2.559	3.8	18.1
3 2	9 29.97	+ 7 48.3	1.593	2.546	7.8	18.3
3 12	9 22.42	+ 9 7.9	1.633	2.531	12.0	18.5
3 22	9 17.29	+10 17.8	1.697	2.516	15.8	18.7

449471 2014 DR_{25} 2 13.8 247°.96 3°.1/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 14.50	+17 27.3	1.488	2.338	15.3	22.0
1 22	10 8.87	+18 27.6	1.405	2.324	11.2	21.7
2 1	10 0.23	+19 37.8	1.345	2.309	6.6	21.4
2 11	9 49.45	+20 48.9	1.312	2.294	3.1	21.1
2 21	9 37.86	+21 51.2	1.306	2.279	6.0	21.2
3 2	9 27.06	+22 36.7	1.328	2.262	10.9	21.5
3 12	9 18.50	+23 1.3	1.372	2.245	15.5	21.7
3 22	9 13.10	+23 4.9	1.436	2.228	19.5	21.9

497539 2006 CD_{16} 2 13.8 103°.85 0°.7/13.2 18

1 12	10 8.38	+12 25.8	1.957	2.793	12.7	21.4
1 22	10 3.54	+13 15.4	1.884	2.796	9.2	21.2
2 1	9 56.71	+14 15.5	1.837	2.800	5.3	21.0
2 11	9 48.60	+15 20.3	1.817	2.803	1.2	20.7
2 21	9 40.15	+16 23.4	1.827	2.806	3.5	20.9
3 2	9 32.37	+17 18.8	1.866	2.810	7.6	21.1
3 12	9 26.16	+18 2.3	1.931	2.813	11.2	21.4
3 22	9 22.11	+18 31.8	2.018	2.816	14.4	21.6

498986 2009 BZ_{166} 2 13.8 359°.33 0°.8/13.1 17

1 12	10 3.10	+ 8 31.1	1.121	1.984	18.2	20.7
1 22	10 0.83	+10 9.9	1.056	1.981	13.3	20.4
2 1	9 55.62	+12 16.3	1.011	1.978	7.7	20.1
2 11	9 48.42	+14 39.1	0.991	1.977	1.6	19.7
2 21	9 40.58	+17 2.6	0.997	1.978	5.1	19.9
3 2	9 33.71	+19 11.2	1.027	1.979	11.0	20.2
3 12	9 29.23	+20 53.4	1.079	1.982	16.3	20.5
3 22	9 27.93	+22 4.7	1.150	1.986	20.6	20.8

238166 2003 SC_{134} 2 13.8 186°.87 1°.0/12.8 18

1 12	10 8.26	+13 44.5	2.210	3.043	11.5	20.6
1 22	10 3.30	+14 35.0	2.132	3.043	8.4	20.4
2 1	9 56.52	+15 33.9	2.080	3.043	4.8	20.2
2 11	9 48.56	+16 36.0	2.057	3.042	1.3	20.0
2 21	9 40.26	+17 35.5	2.064	3.041	3.4	20.1
3 2	9 32.53	+18 27.3	2.100	3.040	7.1	20.3
3 12	9 26.20	+19 7.5	2.163	3.039	10.5	20.6
3 22	9 21.83	+19 34.6	2.249	3.037	13.4	20.7

460626 2014 UY_{93} 2 13.8 96°.52 0°.8/14.4 18

1 12	10 10.53	+ 9 2.4	1.827	2.654	13.9	21.3
1 22	10 5.13	+ 9 25.7	1.759	2.664	10.3	21.1
2 1	9 57.62	+10 1.7	1.716	2.674	6.1	20.9
2 11	9 48.81	+10 46.0	1.699	2.684	1.8	20.6
2 21	9 39.69	+11 33.1	1.712	2.694	3.1	20.7
3 2	9 31.37	+12 17.4	1.753	2.703	7.4	21.0
3 12	9 24.78	+12 54.1	1.820	2.713	11.2	21.3
3 22	9 20.50	+13 20.6	1.910	2.722	14.5	21.5

381497 2008 SK_{116} 2 13.8 120°.61 0°.5/13.3 18

1 12	10 8.75	+12 28.2	2.207	3.037	11.7	21.8
1 22	10 3.58	+13 7.9	2.137	3.045	8.5	21.7
2 1	9 56.64	+13 56.3	2.092	3.054	4.9	21.4
2 11	9 48.60	+14 48.4	2.076	3.062	1.1	21.2
2 21	9 40.29	+15 39.2	2.090	3.070	3.0	21.3
3 2	9 32.61	+16 23.9	2.134	3.078	6.8	21.6
3 12	9 26.36	+16 58.8	2.204	3.085	10.1	21.8
3 22	9 22.05	+17 22.4	2.298	3.092	13.0	22.0

243145 2007 TB_{15} 2 13.8 203°.49 1°.6/12.5 18

1 12	10 13.40	+15 38.5	2.012	2.844	12.5	21.3
1 22	10 7.26	+16 22.2	1.929	2.840	9.1	21.1
2 1	9 58.93	+17 13.2	1.872	2.834	5.2	20.9
2 11	9 49.13	+18 5.8	1.844	2.828	1.7	20.6
2 21	9 38.88	+18 53.7	1.846	2.821	4.1	20.8
3 2	9 29.28	+19 31.6	1.877	2.814	8.1	21.0
3 12	9 21.34	+19 56.4	1.935	2.805	11.8	21.2
3 22	9 15.74	+20 7.2	2.015	2.796	15.0	21.4

240118 2002 ET_{97} 2 13.8 301°.49 0°.6/13.4 18

1 12	10 8.41	+11 5.3	1.415	2.264	15.9	20.4
1 22	10 4.50	+11 58.0	1.324	2.242	11.8	20.1
2 1	9 57.76	+13 9.3	1.256	2.221	6.9	19.7
2 11	9 48.94	+14 32.6	1.214	2.199	1.5	19.3
2 21	9 39.25	+15 58.3	1.198	2.178	4.5	19.5
3 2	9 30.19	+17 16.3	1.208	2.158	10.1	19.7
3 12	9 23.18	+18 18.6	1.242	2.137	15.2	20.0
3 22	9 19.18	+19 1.0	1.295	2.117	19.6	20.2

137055 1998 VN_{36} 2 13.8 122°.84 6°.1/19.0 18

1 12	10 11.03	− 5 58.7	2.055	2.809	15.1	20.2
1 22	10 5.31	− 6 15.0	1.982	2.824	12.4	20.1
2 1	9 57.67	− 6 9.7	1.932	2.838	9.4	19.9
2 11	9 48.84	− 5 42.9	1.907	2.852	6.9	19.8
2 21	9 39.72	− 4 57.4	1.909	2.866	6.1	19.8
3 2	9 31.28	− 3 58.2	1.941	2.879	7.7	19.9
3 12	9 24.39	− 2 52.0	1.999	2.891	10.4	20.1
3 22	9 19.59	− 1 45.4	2.081	2.903	13.2	20.3

212219 2005 HC 2 13.8 357°.00 3°.1/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 8.61	+16 39.0	1.399	2.259	15.4	19.7
1 22	10 4.46	+17 54.8	1.333	2.258	11.1	19.5
2 1	9 57.57	+19 21.4	1.290	2.256	6.5	19.2
2 11	9 48.87	+20 49.1	1.273	2.255	3.2	19.0
2 21	9 39.63	+22 7.2	1.283	2.255	6.1	19.2
3 2	9 31.33	+23 7.3	1.318	2.255	10.7	19.4
3 12	9 25.23	+23 44.8	1.376	2.256	15.1	19.7
3 22	9 22.06	+23 59.5	1.454	2.257	18.7	19.9

271971 2005 AE_{81} 2 13.8 91°.87 3°.0/10.7 18

1 12	10 7.87	+17 43.4	2.063	2.908	11.8	20.1
1 22	10 3.14	+19 18.6	2.000	2.918	8.4	19.9
2 1	9 56.48	+21 0.3	1.964	2.927	5.0	19.7
2 11	9 48.59	+22 40.4	1.958	2.936	3.0	19.6
2 21	9 40.37	+24 10.8	1.981	2.946	5.1	19.8
3 2	9 32.80	+25 25.3	2.033	2.955	8.5	20.0
3 12	9 26.76	+26 20.6	2.112	2.964	11.7	20.2
3 22	9 22.83	+26 56.0	2.211	2.973	14.4	20.4

279882 2001 PO_{52} 2 13.8 143°.68 2°.1/11.2 16

1 12	10 8.32	+19 36.0	3.088	3.919	8.7	22.4
1 22	10 2.86	+20 28.5	3.022	3.932	6.2	22.3
2 1	9 56.07	+21 22.9	2.984	3.944	3.7	22.1
2 11	9 48.48	+22 14.9	2.977	3.956	2.1	22.0
2 21	9 40.70	+23 0.7	3.002	3.967	3.6	22.1
3 2	9 33.39	+23 37.0	3.058	3.978	6.0	22.3
3 12	9 27.15	+24 2.3	3.141	3.988	8.4	22.5
3 22	9 22.39	+24 16.1	3.248	3.997	10.5	22.6

252230 2001 OB_{113} 2 13.8 74°.17 4°.8/10.1 18

1 12	10 13.03	+22 59.7	1.660	2.513	13.8	19.7
1 22	10 7.13	+24 16.8	1.616	2.535	10.0	19.5
2 1	9 58.82	+25 33.8	1.598	2.556	6.4	19.3
2 11	9 49.10	+26 41.5	1.606	2.578	4.8	19.3
2 21	9 39.22	+27 32.1	1.643	2.600	6.9	19.5
3 2	9 30.44	+28 1.3	1.706	2.621	10.4	19.7
3 12	9 23.80	+28 8.7	1.793	2.642	13.6	20.0
3 22	9 19.83	+27 56.7	1.900	2.663	16.4	20.2

319088 2005 WS_{135} 2 13.8 207°.30 2°.9/11.0 17

1 12	10 11.36	+20 26.4	2.403	3.240	10.6	21.6
1 22	10 5.53	+21 21.0	2.322	3.234	7.7	21.4
2 1	9 57.83	+22 18.5	2.267	3.227	4.7	21.2
2 11	9 48.91	+23 13.0	2.242	3.220	2.9	21.1
2 21	9 39.60	+23 59.3	2.248	3.212	4.7	21.2
3 2	9 30.84	+24 32.9	2.283	3.203	7.8	21.4
3 12	9 23.48	+24 51.9	2.345	3.194	10.8	21.6
3 22	9 18.10	+24 56.3	2.429	3.184	13.4	21.7

76162 2000 EC_{25} 2 13.8 356°.87 4°.5/17.1 18

1 12	10 3.40	+ 0 13.9	1.238	2.069	18.9	18.6
1 22	10 0.81	+ 0 34.5	1.166	2.064	14.9	18.3
2 1	9 55.54	+ 1 25.4	1.113	2.061	10.2	18.1
2 11	9 48.45	+ 2 43.9	1.083	2.058	5.8	17.8
2 21	9 40.77	+ 4 22.0	1.077	2.057	5.1	17.8
3 2	9 33.95	+ 6 8.5	1.096	2.058	9.2	18.0
3 12	9 29.26	+ 7 51.0	1.139	2.059	14.0	18.2
3 22	9 27.50	+ 9 19.9	1.201	2.062	18.3	18.5

56794 2000 OO_{60} 2 13.8 91°.47 0°.1/13.9 18 R

1 12	10 9.05	+11 44.2	2.410	3.233	11.1	19.0
1 22	10 3.62	+12 0.8	2.342	3.247	8.1	18.9
2 1	9 56.59	+12 24.7	2.301	3.261	4.7	18.7
2 11	9 48.61	+12 52.6	2.289	3.274	1.1	18.4
2 21	9 40.45	+13 20.6	2.307	3.288	2.6	18.6
3 2	9 32.91	+13 45.3	2.355	3.301	6.0	18.8
3 12	9 26.70	+14 3.9	2.430	3.315	9.2	19.0
3 22	9 22.27	+14 14.7	2.530	3.328	11.8	19.2

424245 2007 RA_{253} 2 13.8 108°.20 3°.6/10.7 18

1 12	10 12.35	+24 8.3	2.344	3.184	10.8	20.8
1 22	10 6.11	+24 43.7	2.284	3.195	7.9	20.7
2 1	9 58.06	+25 17.7	2.249	3.206	5.1	20.5
2 11	9 48.94	+25 44.7	2.244	3.217	3.6	20.4
2 21	9 39.65	+26 0.7	2.269	3.227	5.2	20.6
3 2	9 31.12	+26 3.0	2.323	3.238	8.0	20.7
3 12	9 24.14	+25 51.2	2.403	3.248	10.7	20.9
3 22	9 19.22	+25 26.8	2.505	3.258	13.1	21.1

382665 2002 TG_{101} 2 13.8 110°.52 2°.7/11.5 18

1 12	10 12.36	+21 9.5	2.357	3.194	10.8	21.2
1 22	10 6.07	+21 38.2	2.295	3.207	7.8	21.0
2 1	9 58.02	+22 7.4	2.260	3.220	4.7	20.8
2 11	9 48.93	+22 32.2	2.254	3.233	2.7	20.7
2 21	9 39.68	+22 48.7	2.279	3.245	4.4	20.8
3 2	9 31.18	+22 54.1	2.332	3.258	7.4	21.0
3 12	9 24.19	+22 47.6	2.413	3.270	10.3	21.2
3 22	9 19.20	+22 29.7	2.516	3.281	12.8	21.4

274277 2008 PU_{18} 2 13.8 68°.03 3°.4/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 11.72	+20 13.9	1.905	2.751	12.6	20.1
1 22	10 5.83	+21 22.9	1.865	2.782	9.0	20.0
2 1	9 57.93	+22 33.6	1.851	2.813	5.4	19.8
2 11	9 48.91	+23 38.5	1.866	2.843	3.4	19.8
2 21	9 39.80	+24 31.2	1.910	2.873	5.4	19.9
3 2	9 31.66	+25 7.3	1.981	2.904	8.7	20.2
3 12	9 25.34	+25 25.9	2.079	2.933	11.8	20.4
3 22	9 21.31	+25 27.8	2.197	2.963	14.4	20.7

330147 2006 AT_{44} 2 13.8 156°.24 1°.9/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.25	+15 55.9	2.074	2.913	12.0	20.8
1 22	10 4.14	+16 53.4	2.002	2.916	8.6	20.6
2 1	9 57.07	+17 58.1	1.956	2.919	4.9	20.4
2 11	9 48.75	+19 3.8	1.938	2.921	1.9	20.2
2 21	9 40.09	+20 4.0	1.950	2.924	4.1	20.4
3 2	9 32.08	+20 53.4	1.991	2.926	7.8	20.6
3 12	9 25.60	+21 28.7	2.058	2.928	11.2	20.8
3 22	9 21.24	+21 48.8	2.148	2.930	14.1	21.0

44110 1998 HT_{5} 2 13.8 260°.72 0°.6/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.33	+12 15.4	1.809	2.644	13.7	19.6
1 22	10 6.11	+12 57.4	1.714	2.625	10.1	19.3
2 1	9 58.47	+13 51.8	1.643	2.605	5.9	19.0
2 11	9 49.12	+14 53.3	1.599	2.585	1.3	18.7
2 21	9 39.07	+15 55.0	1.585	2.565	3.8	18.8
3 2	9 29.55	+16 49.9	1.599	2.544	8.5	19.0
3 12	9 21.73	+17 32.8	1.639	2.522	12.8	19.2
3 22	9 16.41	+18 1.1	1.700	2.501	16.5	19.4

467030 2016 CQ_{196} 2 13.8 351°.22 2°.1/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 14.45	+18 1.3	1.580	2.427	14.6	21.1
1 22	10 8.43	+18 11.6	1.508	2.426	10.7	20.9
2 1	9 59.75	+18 26.1	1.460	2.424	6.2	20.6
2 11	9 49.37	+18 39.0	1.439	2.423	2.2	20.4
2 21	9 38.58	+18 44.8	1.445	2.422	4.7	20.5
3 2	9 28.77	+18 39.8	1.479	2.421	9.3	20.8
3 12	9 21.14	+18 22.4	1.537	2.421	13.5	21.0
3 22	9 16.36	+17 53.3	1.617	2.421	17.1	21.3

134858 2000 OW_{54} 2 13.8 114°.46 1°.7/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.25	+16 4.2	2.710	3.542	9.7	20.4
1 22	10 2.24	+17 15.4	2.647	3.559	6.9	20.3
2 1	9 55.79	+18 31.7	2.613	3.575	4.0	20.1
2 11	9 48.45	+19 47.8	2.608	3.591	1.7	20.0
2 21	9 40.91	+20 58.4	2.636	3.606	3.5	20.1
3 2	9 33.88	+21 59.3	2.694	3.622	6.4	20.3
3 12	9 28.01	+22 47.5	2.779	3.637	9.1	20.5
3 22	9 23.75	+23 22.1	2.888	3.651	11.3	20.7

67393 2000 OX_{58} 2 13.8 87°.48 0°.1/13.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.21	+11 38.3	2.412	3.236	11.0	19.6
1 22	10 3.01	+12 8.8	2.349	3.254	8.0	19.5
2 1	9 56.25	+12 47.2	2.312	3.272	4.6	19.3
2 11	9 48.56	+13 29.4	2.304	3.290	1.0	19.1
2 21	9 40.71	+14 11.1	2.327	3.307	2.6	19.2
3 2	9 33.47	+14 48.3	2.379	3.325	6.1	19.5
3 12	9 27.55	+15 18.0	2.459	3.342	9.1	19.7
3 22	9 23.38	+15 38.6	2.563	3.359	11.7	19.9

209420 2004 FT_{37} 2 13.8 323°.76 1°.2/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.47	+ 8 54.5	2.066	2.889	12.6	19.9
1 22	10 3.59	+ 8 56.7	1.980	2.882	9.5	19.7
2 1	9 56.78	+ 9 9.5	1.919	2.875	5.8	19.5
2 11	9 48.72	+ 9 30.3	1.885	2.868	2.0	19.2
2 21	9 40.25	+ 9 55.2	1.880	2.862	2.9	19.3
3 2	9 32.36	+10 20.3	1.904	2.855	6.8	19.5
3 12	9 25.92	+10 41.5	1.954	2.849	10.5	19.7
3 22	9 21.54	+10 56.2	2.027	2.844	13.7	19.9

89234 2001 UZ_{146} 2 13.8 245°.88 0°.6/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.93	+ 9 24.6	1.953	2.778	13.2	20.5
1 22	10 4.82	+ 9 51.5	1.865	2.769	9.8	20.3
2 1	9 57.58	+10 30.9	1.800	2.759	5.9	20.0
2 11	9 48.91	+11 19.0	1.764	2.749	1.6	19.7
2 21	9 39.75	+12 10.2	1.757	2.738	3.1	19.8
3 2	9 31.15	+12 59.0	1.778	2.728	7.4	20.1
3 12	9 24.12	+13 40.3	1.826	2.717	11.3	20.3
3 22	9 19.31	+14 11.0	1.897	2.706	14.8	20.5

169169 2001 QU_{225} 2 13.8 172°.35 4°.4/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.61	− 2 46.7	2.379	3.148	12.8	20.3
1 22	10 1.99	− 2 48.1	2.292	3.149	10.3	20.2
2 1	9 55.76	− 2 32.0	2.228	3.149	7.6	20.0
2 11	9 48.48	− 1 59.4	2.192	3.150	5.2	19.8
2 21	9 40.88	− 1 13.0	2.184	3.150	4.6	19.8
3 2	9 33.76	− 0 17.1	2.204	3.150	6.5	19.9
3 12	9 27.85	+ 0 42.8	2.253	3.150	9.2	20.1
3 22	9 23.68	+ 1 41.6	2.326	3.150	11.9	20.2

466183 2012 KK_{16} 2 13.8 221°.09 0°.4/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 9.12	+ 9 43.6	2.347	3.165	11.5	22.6
1 22	10 3.91	+10 16.3	2.256	3.157	8.5	22.3
2 1	9 56.92	+10 59.6	2.190	3.148	5.0	22.1
2 11	9 48.75	+11 49.7	2.154	3.139	1.3	21.8
2 21	9 40.19	+12 42.0	2.148	3.129	2.7	21.9
3 2	9 32.09	+13 31.6	2.172	3.119	6.4	22.1
3 12	9 25.28	+14 14.3	2.224	3.108	9.9	22.3
3 22	9 20.33	+14 47.5	2.299	3.097	12.8	22.5

30106 2000 FR_{3} 2 13.8 209°.63 4°.5/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.56	+24 18.9	2.145	2.988	11.5	18.5
1 22	10 6.67	+25 29.4	2.070	2.982	8.5	18.3
2 1	9 58.62	+26 40.6	2.021	2.976	5.7	18.2
2 11	9 49.15	+27 44.7	2.002	2.969	4.5	18.1
2 21	9 39.24	+28 35.2	2.011	2.962	6.4	18.2
3 2	9 29.98	+29 7.5	2.049	2.954	9.4	18.3
3 12	9 22.36	+29 20.1	2.112	2.946	12.5	18.5
3 22	9 17.04	+29 14.4	2.196	2.937	15.1	18.7

137067 1998 WQ_{9} 2 13.8 73°.17 3°.2/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.78	+ 2 47.2	1.637	2.446	16.1	19.5
1 22	10 6.08	+ 3 3.2	1.584	2.473	12.3	19.3
2 1	9 58.19	+ 3 38.5	1.553	2.499	8.0	19.1
2 11	9 49.02	+ 4 29.6	1.549	2.526	4.1	18.9
2 21	9 39.69	+ 5 30.3	1.572	2.552	3.9	19.0
3 2	9 31.35	+ 6 33.4	1.624	2.578	7.6	19.3
3 12	9 24.94	+ 7 32.4	1.702	2.603	11.4	19.5
3 22	9 21.00	+ 8 22.4	1.802	2.629	14.7	19.8

284669 2008 OQ_{24} 2 13.8 148°.25 0°.7/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.92	+ 8 51.0	2.198	3.017	12.1	21.1
1 22	10 3.76	+ 9 24.1	2.122	3.022	9.0	20.9
2 1	9 56.81	+10 8.6	2.071	3.028	5.3	20.7
2 11	9 48.74	+11 0.5	2.048	3.033	1.5	20.5
2 21	9 40.36	+11 54.8	2.056	3.037	2.7	20.6
3 2	9 32.57	+12 46.5	2.093	3.042	6.5	20.8
3 12	9 26.18	+13 31.1	2.157	3.046	10.0	21.0
3 22	9 21.74	+14 5.9	2.245	3.049	12.9	21.2

260587 2005 EP_{306} 2 13.8 236°.75 0°.6/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.99	+ 9 0.4	1.919	2.742	13.5	21.5
1 22	10 5.68	+ 9 34.1	1.827	2.730	10.1	21.2
2 1	9 58.14	+10 21.7	1.759	2.717	6.0	21.0
2 11	9 49.07	+11 18.9	1.719	2.704	1.7	20.6
2 21	9 39.44	+12 19.8	1.709	2.690	3.2	20.7
3 2	9 30.35	+13 18.0	1.727	2.676	7.6	21.0
3 12	9 22.85	+14 7.9	1.773	2.662	11.7	21.2
3 22	9 17.67	+14 46.2	1.840	2.646	15.2	21.4

359968 2012 BT_{151} 2 13.8 263°.60 0°.3/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.97	+12 36.9	3.249	4.072	8.5	20.7
1 22	9 59.76	+13 8.8	3.158	4.063	6.2	20.5
2 1	9 54.35	+13 46.7	3.093	4.054	3.5	20.3
2 11	9 48.18	+14 27.7	3.059	4.045	0.8	20.1
2 21	9 41.76	+15 8.5	3.056	4.035	2.2	20.2
3 2	9 35.66	+15 46.1	3.083	4.026	5.0	20.4
3 12	9 30.44	+16 17.7	3.139	4.017	7.5	20.5
3 22	9 26.48	+16 41.7	3.219	4.007	9.7	20.7

354922 2006 DX_{85} 2 13.8 226°.88 4°.3/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.40	+23 54.9	1.863	2.702	13.1	20.5
1 22	10 11.20	+24 31.3	1.781	2.692	9.7	20.2
2 1	10 1.37	+25 7.1	1.725	2.682	6.3	20.0
2 11	9 49.79	+25 34.7	1.696	2.670	4.3	19.9
2 21	9 37.68	+25 47.9	1.697	2.658	6.3	20.0
3 2	9 26.43	+25 43.1	1.727	2.645	10.0	20.1
3 12	9 17.23	+25 20.0	1.781	2.632	13.6	20.3
3 22	9 10.82	+24 41.1	1.857	2.618	16.8	20.5

491812 2012 XA_{115} 2 13.8 121°.43 1°.3/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 15.33	+13 39.5	1.494	2.335	15.7	21.9
1 22	10 9.06	+14 26.3	1.434	2.348	11.4	21.6
2 1	10 0.11	+15 24.1	1.398	2.362	6.5	21.4
2 11	9 49.49	+16 25.2	1.389	2.374	1.7	21.1
2 21	9 38.54	+17 21.4	1.408	2.386	4.4	21.3
3 2	9 28.69	+18 5.9	1.454	2.398	9.3	21.6
3 12	9 21.11	+18 34.9	1.525	2.409	13.6	21.9
3 22	9 16.46	+18 47.7	1.617	2.419	17.2	22.2

148504 2001 NG_{18} 2 13.8 201°.41 3°.3/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.93	+ 1 32.9	2.332	3.116	12.7	20.5
1 22	10 5.21	+ 1 33.3	2.239	3.111	9.9	20.3
2 1	9 57.68	+ 1 48.7	2.170	3.106	6.8	20.1
2 11	9 48.95	+ 2 17.4	2.130	3.100	4.0	19.9
2 21	9 39.81	+ 2 56.6	2.119	3.094	3.7	19.8
3 2	9 31.16	+ 3 42.0	2.139	3.087	6.4	20.0
3 12	9 23.82	+ 4 28.6	2.186	3.079	9.6	20.2
3 22	9 18.37	+ 5 12.2	2.258	3.070	12.6	20.4

491056 2011 QP_{62} 2 13.8 270°.88 1°.1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 15.38	+14 59.6	1.453	2.298	15.8	21.6
1 22	10 9.44	+15 10.6	1.374	2.290	11.6	21.3
2 1	10 0.55	+15 30.1	1.317	2.281	6.8	21.0
2 11	9 49.64	+15 52.4	1.287	2.272	1.6	20.6
2 21	9 38.08	+16 11.1	1.284	2.263	4.4	20.8
3 2	9 27.45	+16 21.1	1.307	2.255	9.7	21.1
3 12	9 19.13	+16 19.1	1.355	2.246	14.5	21.3
3 22	9 13.93	+16 4.6	1.423	2.237	18.5	21.6

400789 2010 EK_{135} 2 13.8 267°.79 2°.0/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 15.20	+16 50.9	1.480	2.328	15.4	21.1
1 22	10 9.27	+17 12.6	1.402	2.320	11.3	20.9
2 1	10 0.43	+17 41.3	1.347	2.311	6.6	20.6
2 11	9 49.61	+18 10.4	1.319	2.303	2.2	20.3
2 21	9 38.17	+18 32.9	1.318	2.295	5.0	20.4
3 2	9 27.67	+18 43.5	1.343	2.287	10.0	20.7
3 12	9 19.46	+18 39.7	1.393	2.278	14.6	20.9
3 22	9 14.35	+18 21.5	1.463	2.270	18.5	21.2

397420 2006 YC_{50} 2 13.8 53°.64 0°.5/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.92	+11 30.3	1.107	1.964	18.8	20.6
1 22	10 7.82	+12 10.4	1.060	1.981	13.7	20.4
2 1	9 59.55	+13 6.9	1.033	1.998	7.9	20.1
2 11	9 49.37	+14 11.1	1.030	2.016	1.7	19.8
2 21	9 38.92	+15 12.8	1.053	2.034	4.6	20.1
3 2	9 29.91	+16 3.2	1.100	2.053	10.4	20.4
3 12	9 23.66	+16 36.7	1.169	2.072	15.4	20.8
3 22	9 20.78	+16 52.1	1.258	2.091	19.4	21.1

457751 2009 HB_{68} 2 13.8 351°.47 0°.9/13.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.85	+12 17.9	1.191	2.054	17.3	21.0
1 22	10 3.54	+13 0.3	1.123	2.048	12.7	20.7
2 1	9 57.24	+13 59.4	1.075	2.042	7.3	20.3
2 11	9 48.92	+15 7.5	1.052	2.038	1.6	20.0
2 21	9 39.97	+16 14.7	1.053	2.035	4.8	20.2
3 2	9 32.01	+17 11.4	1.079	2.032	10.5	20.5
3 12	9 26.46	+17 50.9	1.127	2.032	15.6	20.8
3 22	9 24.10	+18 10.5	1.193	2.032	19.9	21.0

34107 Kashfiarahman 2 13.8 234°.79 0°.9/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.94	+14 25.8	2.640	3.468	10.1	20.3
1 22	10 2.92	+15 1.7	2.550	3.458	7.3	20.1
2 1	9 56.30	+15 43.8	2.486	3.448	4.2	19.8
2 11	9 48.66	+16 28.4	2.451	3.437	1.1	19.6
2 21	9 40.66	+17 11.0	2.448	3.425	2.9	19.7
3 2	9 33.09	+17 47.8	2.474	3.414	6.2	19.9
3 12	9 26.67	+18 15.9	2.529	3.402	9.3	20.1
3 22	9 21.91	+18 33.7	2.607	3.390	11.9	20.3

312178 2007 VX_{9} 2 13.8 201°.11 3°.3/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.70	+19 4.7	1.840	2.684	13.0	20.9
1 22	10 7.01	+20 14.8	1.765	2.681	9.5	20.7
2 1	9 58.93	+21 30.9	1.716	2.678	5.7	20.5
2 11	9 49.27	+22 44.9	1.695	2.674	3.3	20.3
2 21	9 39.12	+23 48.7	1.703	2.669	5.6	20.4
3 2	9 29.70	+24 36.3	1.739	2.664	9.5	20.7
3 12	9 22.11	+25 4.7	1.800	2.658	13.1	20.9
3 22	9 17.05	+25 14.0	1.882	2.652	16.3	21.1

331958 2004 VD_{39} 2 13.8 253°.36 2°.1/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.19	+ 6 23.5	1.572	2.397	15.8	21.3
1 22	10 6.14	+ 6 37.2	1.490	2.392	12.0	21.1
2 1	9 58.54	+ 7 8.6	1.431	2.386	7.6	20.8
2 11	9 49.20	+ 7 54.1	1.398	2.380	3.0	20.5
2 21	9 39.28	+ 8 47.8	1.392	2.374	3.7	20.5
3 2	9 30.10	+ 9 42.8	1.413	2.368	8.4	20.8
3 12	9 22.86	+10 32.3	1.460	2.361	12.9	21.0
3 22	9 18.33	+11 11.5	1.528	2.355	16.8	21.3

374058 2004 PU_{90} 2 13.8 104°.33 2°.6/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.96	+20 19.6	2.201	3.037	11.5	20.7
1 22	10 7.30	+20 54.6	2.147	3.058	8.3	20.6
2 1	9 58.77	+21 30.8	2.119	3.079	4.9	20.4
2 11	9 49.18	+22 2.8	2.120	3.099	2.7	20.3
2 21	9 39.47	+22 26.0	2.151	3.119	4.5	20.4
3 2	9 30.61	+22 37.4	2.212	3.139	7.6	20.7
3 12	9 23.41	+22 36.1	2.300	3.158	10.7	20.9
3 22	9 18.35	+22 22.7	2.410	3.176	13.2	21.1

362073 2009 BU_{85} 2 13.8 341°.25 0°.5/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.76	+10 9.4	1.254	2.107	17.3	20.9
1 22	10 4.85	+10 30.9	1.180	2.099	12.9	20.6
2 1	9 57.99	+11 9.8	1.128	2.092	7.7	20.3
2 11	9 49.10	+12 0.4	1.100	2.085	1.9	19.9
2 21	9 39.55	+12 54.9	1.097	2.080	4.1	20.1
3 2	9 30.93	+13 44.7	1.119	2.075	9.8	20.4
3 12	9 24.64	+14 22.9	1.164	2.071	15.0	20.6
3 22	9 21.52	+14 45.8	1.228	2.068	19.3	20.9

417008 2005 UV_{17} 2 13.8 106°.73 6°.7/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 13.98	+30 20.2	1.931	2.777	12.4	21.0
1 22	10 7.81	+31 40.3	1.882	2.788	9.6	20.8
2 1	9 59.28	+32 54.1	1.858	2.800	7.3	20.7
2 11	9 49.32	+33 52.8	1.862	2.811	6.8	20.7
2 21	9 39.10	+34 29.9	1.894	2.822	8.5	20.8
3 2	9 29.87	+34 42.4	1.952	2.832	11.1	21.0
3 12	9 22.65	+34 31.4	2.033	2.843	13.7	21.2
3 22	9 18.02	+34 0.2	2.133	2.853	16.1	21.4

444230 2005 UH_{71} 2 13.8 59°.70 3°.5/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 15.82	+ 5 8.1	1.191	2.022	19.5	20.9
1 22	10 9.60	+ 4 53.8	1.146	2.048	14.8	20.7
2 1	10 0.44	+ 5 0.6	1.121	2.073	9.5	20.5
2 11	9 49.57	+ 5 25.1	1.120	2.099	4.5	20.2
2 21	9 38.58	+ 6 1.0	1.144	2.125	4.7	20.3
3 2	9 29.04	+ 6 40.9	1.195	2.151	9.3	20.7
3 12	9 22.17	+ 7 17.5	1.269	2.177	13.9	21.0
3 22	9 18.52	+ 7 46.0	1.363	2.203	17.8	21.3

172677 2003 YA_{137} 2 13.8 56°.10 2°.6/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.13	+ 5 23.7	2.037	2.846	13.3	19.5
1 22	10 4.72	+ 5 11.2	1.962	2.853	10.2	19.3
2 1	9 57.41	+ 5 11.6	1.912	2.860	6.6	19.1
2 11	9 48.90	+ 5 22.9	1.889	2.867	3.3	18.9
2 21	9 40.11	+ 5 42.1	1.895	2.874	3.4	18.9
3 2	9 31.99	+ 6 5.3	1.930	2.882	6.7	19.1
3 12	9 25.40	+ 6 28.2	1.992	2.889	10.2	19.4
3 22	9 20.89	+ 6 47.5	2.077	2.897	13.2	19.6

419172 2009 TX_{25} 2 13.8 99°.89 1°.4/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.88	+16 25.1	2.102	2.934	12.1	21.5
1 22	10 7.28	+16 48.5	2.045	2.955	8.7	21.3
2 1	9 58.78	+17 16.2	2.014	2.976	5.0	21.1
2 11	9 49.19	+17 43.5	2.012	2.996	1.6	20.9
2 21	9 39.47	+18 5.8	2.039	3.016	3.6	21.1
3 2	9 30.60	+18 19.8	2.097	3.035	7.2	21.3
3 12	9 23.41	+18 23.7	2.181	3.054	10.5	21.6
3 22	9 18.41	+18 17.4	2.289	3.073	13.3	21.8

448249 2008 WQ_{111} 2 13.8 48°.88 0°.6/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.69	+10 13.5	1.218	2.067	18.0	21.1
1 22	10 7.44	+10 31.0	1.167	2.083	13.2	20.9
2 1	9 59.27	+11 4.5	1.137	2.099	7.8	20.6
2 11	9 49.33	+11 47.6	1.131	2.116	2.0	20.3
2 21	9 39.13	+12 32.6	1.151	2.134	4.0	20.5
3 2	9 30.23	+13 11.8	1.197	2.152	9.5	20.9
3 12	9 23.86	+13 40.0	1.266	2.170	14.3	21.2
3 22	9 20.65	+13 54.7	1.354	2.189	18.2	21.5

83538 2001 SD_{164} 2 13.8 339°.97 12°.8/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.41	+52 29.9	2.067	2.849	14.1	18.6
1 22	10 15.38	+53 47.0	2.027	2.843	13.2	18.5
2 1	10 3.90	+54 40.8	2.008	2.838	12.8	18.4
2 11	9 50.35	+55 1.6	2.011	2.833	13.1	18.4
2 21	9 36.60	+54 44.6	2.036	2.828	14.2	18.5
3 2	9 24.56	+53 50.5	2.082	2.824	15.6	18.6
3 12	9 15.62	+52 24.9	2.146	2.821	17.0	18.7
3 22	9 10.38	+50 35.7	2.225	2.817	18.4	18.8

61756 2000 QJ_{160} 2 13.8 203°.37 3°.2/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.98	+ 2 14.0	1.999	2.793	14.1	20.0
1 22	10 6.27	+ 2 25.3	1.909	2.788	11.0	19.8
2 1	9 58.43	+ 2 54.0	1.842	2.783	7.4	19.6
2 11	9 49.17	+ 3 38.2	1.802	2.777	4.0	19.4
2 21	9 39.41	+ 4 33.5	1.792	2.770	3.8	19.3
3 2	9 30.22	+ 5 34.2	1.812	2.762	7.2	19.5
3 12	9 22.56	+ 6 34.2	1.858	2.754	10.9	19.7
3 22	9 17.12	+ 7 28.2	1.928	2.744	14.3	19.9

388342 2006 TL_{57} 2 13.8 130°.01 5°.9/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.32	+31 59.3	2.441	3.280	10.4	20.8
1 22	10 5.55	+32 58.4	2.380	3.281	8.1	20.6
2 1	9 57.86	+33 51.3	2.346	3.282	6.4	20.5
2 11	9 49.01	+34 31.4	2.341	3.284	6.0	20.5
2 21	9 39.90	+34 54.1	2.363	3.285	7.4	20.6
3 2	9 31.51	+34 57.1	2.413	3.286	9.5	20.7
3 12	9 24.68	+34 40.8	2.487	3.287	11.8	20.9
3 22	9 19.97	+34 7.6	2.581	3.288	13.8	21.0

496199 2011 JB_{4} 2 13.8 106°.77 3°.0/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.75	+19 46.9	2.250	3.093	11.0	21.1
1 22	10 3.66	+20 56.7	2.188	3.104	7.9	20.9
2 1	9 56.77	+22 9.8	2.153	3.114	4.8	20.7
2 11	9 48.77	+23 19.7	2.147	3.125	3.0	20.6
2 21	9 40.51	+24 20.1	2.172	3.135	4.9	20.8
3 2	9 32.89	+25 6.7	2.225	3.145	7.9	21.0
3 12	9 26.73	+25 37.2	2.304	3.155	10.9	21.2
3 22	9 22.54	+25 51.5	2.405	3.165	13.4	21.4

144631 2004 FX_{77} 2 13.8 21°.72 1°.1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 9.67	+13 19.8	1.454	2.305	15.5	19.9
1 22	10 5.08	+14 0.4	1.390	2.309	11.3	19.6
2 1	9 57.90	+14 53.0	1.348	2.313	6.5	19.4
2 11	9 49.05	+15 50.6	1.331	2.317	1.6	19.0
2 21	9 39.79	+16 45.3	1.342	2.322	4.3	19.3
3 2	9 31.48	+17 29.8	1.379	2.327	9.3	19.5
3 12	9 25.28	+17 59.8	1.440	2.333	13.7	19.8
3 22	9 21.87	+18 13.4	1.522	2.339	17.4	20.1

196819 2003 SC_{232} 2 13.8 149°.20 2°.1/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.49	+ 2 49.3	2.540	3.331	11.5	21.4
1 22	10 2.53	+ 3 26.9	2.459	3.340	8.8	21.3
2 1	9 56.04	+ 4 18.8	2.404	3.347	5.7	21.1
2 11	9 48.61	+ 5 22.0	2.378	3.355	2.8	20.9
2 21	9 40.92	+ 6 32.1	2.383	3.362	2.7	20.9
3 2	9 33.71	+ 7 43.9	2.418	3.369	5.6	21.1
3 12	9 27.68	+ 8 52.4	2.482	3.375	8.6	21.3
3 22	9 23.29	+ 9 53.6	2.571	3.380	11.3	21.5

402096 2003 US_{315} 2 13.8 75°.92 2°.5/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.91	+16 17.0	1.512	2.361	15.1	21.2
1 22	10 7.21	+17 20.7	1.463	2.382	10.8	21.0
2 1	9 58.99	+18 32.0	1.438	2.403	6.2	20.8
2 11	9 49.28	+19 42.2	1.440	2.423	2.6	20.6
2 21	9 39.36	+20 42.9	1.470	2.444	5.2	20.8
3 2	9 30.57	+21 27.7	1.527	2.464	9.5	21.1
3 12	9 23.97	+21 54.0	1.608	2.484	13.5	21.4
3 22	9 20.13	+22 2.1	1.709	2.504	16.7	21.6

171277 2006 FF_{23} 2 13.8 257°.87 2°.1/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.36	+16 26.6	1.744	2.586	13.8	20.7
1 22	10 7.73	+17 10.5	1.653	2.568	10.1	20.4
2 1	9 59.51	+18 2.9	1.586	2.549	5.9	20.1
2 11	9 49.47	+18 57.2	1.547	2.530	2.2	19.8
2 21	9 38.70	+19 46.0	1.536	2.511	4.8	19.9
3 2	9 28.57	+20 22.9	1.554	2.491	9.4	20.2
3 12	9 20.29	+20 44.2	1.596	2.471	13.6	20.4
3 22	9 14.70	+20 49.0	1.659	2.450	17.3	20.6

385510 2004 FB_{105} 2 13.8 252°.20 4°.2/10.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.87	+25 41.4	2.354	3.196	10.6	21.5
1 22	10 5.23	+26 25.4	2.282	3.193	7.9	21.3
2 1	9 57.70	+27 7.6	2.236	3.190	5.3	21.1
2 11	9 49.00	+27 42.1	2.219	3.187	4.2	21.0
2 21	9 40.00	+28 4.3	2.232	3.183	5.8	21.1
3 2	9 31.66	+28 11.1	2.272	3.180	8.5	21.3
3 12	9 24.81	+28 1.9	2.339	3.176	11.2	21.5
3 22	9 20.01	+27 38.0	2.426	3.173	13.7	21.6

165811 2001 RH_{81} 2 13.8 56°.90 5°.0/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.02	− 4 37.8	2.131	2.899	14.2	19.4
1 22	10 1.68	− 4 29.1	2.059	2.913	11.5	19.2
2 1	9 55.63	− 3 59.4	2.009	2.926	8.5	19.0
2 11	9 48.54	− 3 10.1	1.985	2.940	5.9	18.9
2 21	9 41.19	− 2 4.9	1.990	2.955	5.1	18.9
3 2	9 34.45	− 0 49.7	2.022	2.969	6.9	19.0
3 12	9 29.07	+ 0 28.8	2.082	2.983	9.6	19.2
3 22	9 25.56	+ 1 44.5	2.166	2.998	12.4	19.4

462274 2008 EA_{151} 2 13.8 260°.12 6°.7/ 8.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 15.50	+30 15.3	1.925	2.768	12.6	21.5
1 22	10 9.20	+31 18.9	1.848	2.754	9.8	21.3
2 1	10 0.28	+32 17.6	1.797	2.740	7.4	21.1
2 11	9 49.63	+33 2.6	1.773	2.725	6.8	21.0
2 21	9 38.43	+33 26.7	1.777	2.710	8.5	21.1
3 2	9 28.05	+33 26.2	1.807	2.695	11.4	21.2
3 12	9 19.70	+33 1.8	1.861	2.680	14.5	21.4
3 22	9 14.11	+32 16.9	1.934	2.664	17.2	21.6

103998 2000 DE_{98} 2 13.8 180°.30 1°.3/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.72	+12 45.2	1.997	2.830	12.6	19.8
1 22	10 4.63	+13 59.5	1.920	2.831	9.1	19.6
2 1	9 57.48	+15 25.3	1.869	2.832	5.2	19.3
2 11	9 48.98	+16 55.7	1.847	2.832	1.5	19.1
2 21	9 40.06	+18 23.0	1.855	2.831	3.9	19.3
3 2	9 31.75	+19 40.2	1.892	2.831	7.9	19.5
3 12	9 25.00	+20 42.3	1.957	2.830	11.6	19.7
3 22	9 20.44	+21 27.2	2.043	2.828	14.7	19.9

372441 2009 SS_{72} 2 13.8 310°.09 1°.7/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.89	+ 7 6.7	1.690	2.517	14.8	21.3
1 22	10 4.34	+ 7 21.1	1.605	2.508	11.2	21.0
2 1	9 57.46	+ 7 51.4	1.544	2.499	7.0	20.7
2 11	9 49.00	+ 8 34.2	1.508	2.491	2.6	20.5
2 21	9 40.00	+ 9 24.0	1.501	2.483	3.4	20.5
3 2	9 31.66	+10 14.5	1.521	2.475	7.9	20.7
3 12	9 25.07	+10 59.6	1.566	2.467	12.2	21.0
3 22	9 20.95	+11 35.1	1.633	2.460	15.9	21.2

188450 2004 HB_{55} 2 13.8 273°.56 7°.7/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 11.04	− 6 40.5	1.893	2.649	16.2	20.3
1 22	10 5.84	− 7 31.9	1.794	2.633	13.6	20.1
2 1	9 58.35	− 8 2.4	1.715	2.616	10.8	19.8
2 11	9 49.22	− 8 9.4	1.662	2.600	8.5	19.7
2 21	9 39.40	− 7 53.0	1.634	2.583	7.8	19.6
3 2	9 30.02	− 7 16.0	1.634	2.566	9.4	19.6
3 12	9 22.19	− 6 24.8	1.658	2.549	12.3	19.8
3 22	9 16.69	− 5 26.9	1.705	2.532	15.4	19.9

286916 2002 PT_{96} 2 13.8 108°.57 1°.0/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.20	+15 5.4	2.697	3.522	10.0	21.8
1 22	10 4.32	+15 45.2	2.640	3.547	7.2	21.7
2 1	9 56.99	+16 29.5	2.610	3.571	4.1	21.5
2 11	9 48.83	+17 14.3	2.611	3.595	1.2	21.3
2 21	9 40.56	+17 55.4	2.642	3.619	2.9	21.5
3 2	9 32.89	+18 29.4	2.705	3.641	5.9	21.7
3 12	9 26.46	+18 54.1	2.795	3.663	8.7	21.9
3 22	9 21.70	+19 8.8	2.910	3.685	11.0	22.1

217416 2005 PW_{3} 2 13.8 217°.92 3°.3/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.18	+20 44.7	2.179	3.019	11.5	20.8
1 22	10 6.38	+21 46.2	2.097	3.010	8.4	20.6
2 1	9 58.50	+22 51.2	2.042	3.001	5.1	20.4
2 11	9 49.22	+23 53.0	2.015	2.992	3.3	20.2
2 21	9 39.49	+24 45.1	2.019	2.981	5.3	20.3
3 2	9 30.33	+25 22.6	2.051	2.970	8.6	20.5
3 12	9 22.72	+25 43.4	2.110	2.959	11.9	20.7
3 22	9 17.30	+25 47.5	2.190	2.947	14.7	20.9

349188 2007 RV_{149} 2 13.8 84°.11 1°.4/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.96	+13 49.2	2.332	3.163	11.1	20.6
1 22	10 2.94	+15 5.0	2.276	3.187	7.9	20.5
2 1	9 56.30	+16 28.2	2.248	3.210	4.5	20.3
2 11	9 48.70	+17 52.6	2.249	3.233	1.5	20.1
2 21	9 40.90	+19 11.9	2.281	3.256	3.5	20.3
3 2	9 33.75	+20 20.9	2.344	3.279	6.8	20.5
3 12	9 27.94	+21 16.1	2.433	3.301	9.8	20.8
3 22	9 23.94	+21 56.3	2.547	3.323	12.3	21.0

233054 2005 GA_{88} 2 13.8 338°.35 3°.1/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.30	+20 58.4	1.871	2.720	12.7	20.1
1 22	10 5.91	+21 25.7	1.797	2.714	9.3	19.9
2 1	9 58.26	+21 54.7	1.747	2.709	5.6	19.6
2 11	9 49.17	+22 19.5	1.724	2.704	3.1	19.5
2 21	9 39.70	+22 34.7	1.730	2.699	5.2	19.6
3 2	9 31.00	+22 36.6	1.763	2.695	8.9	19.8
3 12	9 24.11	+22 23.9	1.822	2.691	12.5	20.0
3 22	9 19.64	+21 57.6	1.901	2.688	15.6	20.2

207662 2007 PG_{7} 2 13.8 115°.31 0°.6/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.61	+ 9 4.8	1.818	2.639	14.2	21.2
1 22	10 7.38	+ 9 39.4	1.757	2.659	10.4	21.0
2 1	9 59.00	+10 26.7	1.720	2.678	6.2	20.8
2 11	9 49.32	+11 21.7	1.711	2.696	1.7	20.5
2 21	9 39.40	+12 18.1	1.732	2.714	3.1	20.7
3 2	9 30.38	+13 10.0	1.782	2.731	7.5	21.0
3 12	9 23.18	+13 52.5	1.859	2.748	11.3	21.2
3 22	9 18.39	+14 23.4	1.959	2.763	14.5	21.5

155464 1998 RU_{70} 2 13.8 189°.24 4°.0/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.41	+21 31.2	1.740	2.584	13.7	20.7
1 22	10 9.83	+22 29.6	1.669	2.584	10.0	20.4
2 1	10 0.64	+23 30.8	1.623	2.582	6.2	20.2
2 11	9 49.73	+24 26.4	1.604	2.581	4.0	20.1
2 21	9 38.34	+25 8.5	1.615	2.578	6.3	20.2
3 2	9 27.86	+25 32.2	1.653	2.575	10.1	20.4
3 12	9 19.46	+25 36.0	1.716	2.571	13.9	20.6
3 22	9 13.87	+25 21.6	1.799	2.566	17.0	20.8

212324 2005 RH_{16} 2 13.8 304°.08 0°.7/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.41	+14 11.1	2.232	3.066	11.4	20.8
1 22	10 3.52	+14 31.3	2.144	3.054	8.4	20.6
2 1	9 56.79	+14 58.3	2.081	3.043	4.8	20.3
2 11	9 48.85	+15 28.1	2.047	3.032	1.1	20.0
2 21	9 40.52	+15 56.5	2.042	3.021	3.1	20.2
3 2	9 32.71	+16 19.5	2.066	3.011	6.9	20.4
3 12	9 26.27	+16 34.0	2.117	3.000	10.4	20.6
3 22	9 21.78	+16 38.6	2.191	2.990	13.4	20.8

211827 2004 EX_{47} 2 13.8 340°.19 1°.0/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.72	+14 52.4	2.033	2.872	12.2	20.5
1 22	10 3.85	+15 17.0	1.955	2.869	8.9	20.2
2 1	9 57.00	+15 48.5	1.902	2.865	5.1	20.0
2 11	9 48.89	+16 22.2	1.876	2.862	1.3	19.7
2 21	9 40.43	+16 53.4	1.880	2.858	3.5	19.9
3 2	9 32.59	+17 17.5	1.912	2.856	7.4	20.1
3 12	9 26.29	+17 31.7	1.970	2.853	11.0	20.3
3 22	9 22.10	+17 34.7	2.050	2.851	14.1	20.5

454363 2014 MF_{24} 2 13.8 234°.28 3°.0/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 12.05	+17 5.4	1.605	2.454	14.4	21.7
1 22	10 6.87	+18 17.2	1.528	2.447	10.5	21.4
2 1	9 59.04	+19 38.7	1.476	2.440	6.1	21.2
2 11	9 49.39	+21 1.0	1.451	2.432	3.0	20.9
2 21	9 39.13	+22 14.7	1.454	2.425	5.7	21.1
3 2	9 29.65	+23 12.0	1.484	2.417	10.1	21.3
3 12	9 22.19	+23 48.8	1.538	2.408	14.3	21.6
3 22	9 17.54	+24 4.7	1.613	2.400	17.9	21.8

36714 2000 RK_{35} 2 13.8 29°.72 1°.2/13.2 18

1 12	10 15.25	+16 45.2	1.596	2.439	14.7	18.7
1 22	10 8.91	+16 38.5	1.530	2.445	10.7	18.4
2 1	10 0.02	+16 36.3	1.488	2.452	6.2	18.2
2 11	9 49.57	+16 33.8	1.473	2.459	1.6	17.9
2 21	9 38.83	+16 26.9	1.487	2.466	4.1	18.1
3 2	9 29.15	+16 12.5	1.528	2.474	8.7	18.4
3 12	9 21.65	+15 49.4	1.594	2.482	12.8	18.6
3 22	9 16.93	+15 17.8	1.681	2.491	16.3	18.9

233609 2007 TV_{6} 2 13.8 223°.89 2°.1/15.4 18

1 12	10 12.74	+ 5 48.9	1.999	2.805	13.6	21.2
1 22	10 6.90	+ 6 0.6	1.904	2.794	10.4	21.0
2 1	9 58.88	+ 6 26.8	1.833	2.783	6.6	20.7
2 11	9 49.35	+ 7 5.0	1.790	2.770	2.9	20.5
2 21	9 39.26	+ 7 50.7	1.777	2.757	3.3	20.5
3 2	9 29.69	+ 8 38.5	1.793	2.743	7.3	20.7
3 12	9 21.68	+ 9 23.2	1.836	2.729	11.2	20.9
3 22	9 15.92	+10 0.7	1.903	2.713	14.7	21.1

167530 2003 YV_{153} 2 13.8 116°.02 4°.7/ 9.9 18

1 12	10 12.86	+26 58.2	2.239	3.081	11.1	19.9
1 22	10 6.71	+27 40.7	2.176	3.085	8.3	19.7
2 1	9 58.57	+28 19.9	2.138	3.090	5.7	19.6
2 11	9 49.23	+28 49.6	2.130	3.094	4.7	19.5
2 21	9 39.66	+29 5.0	2.150	3.098	6.2	19.6
3 2	9 30.88	+29 3.6	2.198	3.102	8.9	19.8
3 12	9 23.75	+28 45.5	2.272	3.106	11.7	20.0
3 22	9 18.83	+28 12.7	2.367	3.110	14.0	20.1

238814 2005 NU_{123} 2 13.9 214°.09 0°.8/14.8 17

1 12	10 5.83	+ 7 11.7	2.843	3.650	10.0	21.8
1 22	10 1.29	+ 7 57.9	2.750	3.644	7.5	21.6
2 1	9 55.36	+ 8 55.1	2.684	3.638	4.5	21.4
2 11	9 48.52	+10 0.0	2.647	3.631	1.5	21.2
2 21	9 41.37	+11 8.3	2.642	3.624	2.2	21.3
3 2	9 34.58	+12 15.4	2.668	3.616	5.3	21.5
3 12	9 28.79	+13 17.2	2.723	3.609	8.2	21.6
3 22	9 24.46	+14 10.5	2.803	3.600	10.8	21.8

149923 2005 SK_{114} 2 13.9 138°.77 0°.2/14.0 18

1 12	10 11.29	+10 51.0	2.000	2.825	12.9	20.9
1 22	10 5.66	+11 14.7	1.927	2.832	9.5	20.7
2 1	9 58.02	+11 48.6	1.879	2.838	5.6	20.5
2 11	9 49.13	+12 28.5	1.859	2.844	1.3	20.2
2 21	9 39.92	+13 9.1	1.869	2.850	3.0	20.3
3 2	9 31.42	+13 45.8	1.908	2.856	7.1	20.6
3 12	9 24.52	+14 14.6	1.973	2.861	10.8	20.8
3 22	9 19.81	+14 33.4	2.062	2.866	13.9	21.1

414897 2010 XG_{24} 2 13.9 64°.39 2°.0/12.3 18

1 12	10 10.94	+14 45.4	1.576	2.424	14.7	21.0
1 22	10 5.70	+15 55.1	1.528	2.446	10.5	20.8
2 1	9 58.11	+17 13.9	1.504	2.469	5.9	20.6
2 11	9 49.14	+18 33.3	1.508	2.492	2.1	20.4
2 21	9 39.97	+19 44.7	1.540	2.515	4.7	20.6
3 2	9 31.84	+20 41.4	1.599	2.538	9.0	20.9
3 12	9 25.74	+21 20.0	1.683	2.561	12.8	21.2
3 22	9 22.22	+21 40.1	1.787	2.584	16.0	21.5

260060 2004 HR_{33} 2 13.9 314°.44 8°.3/ 7.2 18

1 12	10 12.11	+30 36.0	1.548	2.407	14.3	20.1
1 22	10 7.25	+32 11.2	1.483	2.395	11.2	19.8
2 1	9 59.39	+33 42.1	1.440	2.383	8.8	19.7
2 11	9 49.49	+34 56.4	1.424	2.372	8.5	19.6
2 21	9 38.95	+35 44.4	1.433	2.361	10.6	19.7
3 2	9 29.37	+36 0.7	1.465	2.350	13.8	19.9
3 12	9 22.16	+35 46.0	1.519	2.340	17.1	20.1
3 22	9 18.13	+35 4.7	1.590	2.330	19.9	20.2

131867 2002 AA_{154} 2 13.9 12°.14 2°.6/12.3 18

1 12	10 11.58	+16 46.5	1.240	2.103	16.8	19.3
1 22	10 6.90	+17 26.1	1.179	2.104	12.2	19.0
2 1	9 59.16	+18 14.9	1.140	2.106	7.1	18.7
2 11	9 49.43	+19 4.0	1.125	2.109	2.7	18.5
2 21	9 39.22	+19 44.7	1.136	2.113	5.7	18.7
3 2	9 30.18	+20 10.0	1.171	2.117	10.8	19.0
3 12	9 23.68	+20 16.9	1.229	2.121	15.6	19.2
3 22	9 20.43	+20 5.5	1.306	2.127	19.5	19.5

55081 2001 QP_{109} 2 13.9 171°.63 2°.8/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 13.20	+20 2.6	2.214	3.051	11.4	20.2
1 22	10 6.97	+20 49.3	2.143	3.054	8.3	20.0
2 1	9 58.76	+21 38.7	2.097	3.057	5.0	19.8
2 11	9 49.30	+22 24.8	2.081	3.060	2.8	19.6
2 21	9 39.53	+23 2.2	2.095	3.062	4.7	19.7
3 2	9 30.45	+23 26.8	2.138	3.063	8.0	19.9
3 12	9 22.94	+23 37.0	2.208	3.064	11.2	20.1
3 22	9 17.58	+23 33.2	2.300	3.064	13.9	20.3

464915 2005 TF_{104} 2 13.9 110°.08 4°.8/10.3 18

1 12	10 16.79	+26 31.8	2.017	2.857	12.2	21.3
1 22	10 9.62	+27 13.8	1.964	2.873	9.1	21.2
2 1	10 0.25	+27 51.8	1.936	2.888	6.2	21.0
2 11	9 49.62	+28 19.1	1.937	2.903	4.8	21.0
2 21	9 38.85	+28 30.7	1.967	2.918	6.5	21.1
3 2	9 29.10	+28 24.4	2.025	2.932	9.4	21.3
3 12	9 21.31	+28 0.8	2.109	2.946	12.3	21.5
3 22	9 16.01	+27 22.7	2.213	2.960	14.8	21.7

352728 2008 SU_{288} 2 13.9 344°.25 4°.6/11.3 18

1 12	10 12.91	+20 50.9	1.216	2.083	16.8	20.6
1 22	10 8.09	+21 40.9	1.152	2.078	12.3	20.3
2 1	9 59.97	+22 35.8	1.109	2.074	7.6	20.1
2 11	9 49.64	+23 25.1	1.090	2.070	4.6	19.9
2 21	9 38.70	+23 59.0	1.097	2.067	7.4	20.0
3 2	9 28.96	+24 11.2	1.128	2.064	12.2	20.3
3 12	9 21.92	+24 0.0	1.180	2.062	16.9	20.5
3 22	9 18.38	+23 28.1	1.250	2.061	20.8	20.8

5085 Hippocrene 2 13.9 197°.25 0°.4/14.1 18

1 12	10 14.98	+10 46.0	1.835	2.658	14.0	18.4
1 22	10 8.62	+11 4.2	1.752	2.655	10.4	18.2
2 1	9 59.90	+11 33.6	1.693	2.652	6.1	17.9
2 11	9 49.60	+12 9.8	1.663	2.648	1.5	17.6
2 21	9 38.80	+12 47.5	1.662	2.643	3.3	17.7
3 2	9 28.72	+13 21.4	1.690	2.637	7.9	18.0
3 12	9 20.45	+13 47.2	1.744	2.631	12.0	18.2
3 22	9 14.70	+14 2.8	1.821	2.624	15.5	18.4

283482 2001 RU_{113} 2 13.9 128°.97 1°.9/12.6 18

1 12	10 15.42	+15 43.3	1.618	2.458	14.7	21.6
1 22	10 9.04	+16 26.1	1.556	2.470	10.7	21.4
2 1	10 0.13	+17 16.6	1.518	2.481	6.1	21.2
2 11	9 49.63	+18 7.9	1.507	2.492	2.0	20.9
2 21	9 38.81	+18 52.5	1.525	2.502	4.6	21.1
3 2	9 29.00	+19 24.9	1.571	2.511	9.1	21.4
3 12	9 21.34	+19 42.2	1.642	2.520	13.1	21.7
3 22	9 16.44	+19 44.3	1.734	2.529	16.5	21.9

151169 2001 XP_{157} 2 13.9 342°.82 6°.3/ 8.3 18

1 12	10 8.24	+24 26.5	1.554	2.418	13.9	19.3
1 22	10 4.24	+26 15.8	1.490	2.412	10.4	19.0
2 1	9 57.56	+28 7.7	1.451	2.407	7.2	18.8
2 11	9 49.09	+29 50.6	1.438	2.403	6.4	18.8
2 21	9 40.05	+31 13.5	1.452	2.399	8.8	18.9
3 2	9 31.86	+32 9.1	1.491	2.395	12.4	19.1
3 12	9 25.76	+32 35.6	1.553	2.392	15.9	19.3
3 22	9 22.51	+32 35.1	1.632	2.390	18.9	19.5

218665 2005 SE_{214} 2 13.9 195°.05 3°.6/10.7 16

1 12	10 14.79	+23 51.8	2.456	3.289	10.5	21.3
1 22	10 8.02	+24 32.4	2.378	3.286	7.8	21.1
2 1	9 59.34	+25 12.3	2.328	3.283	5.0	20.9
2 11	9 49.45	+25 45.9	2.307	3.279	3.6	20.8
2 21	9 39.23	+26 8.5	2.316	3.274	5.2	20.9
3 2	9 29.65	+26 17.1	2.356	3.268	8.0	21.1
3 12	9 21.57	+26 10.9	2.422	3.262	10.8	21.3
3 22	9 15.56	+25 51.1	2.511	3.255	13.3	21.4

310993 2003 WR_{90} 2 13.9 34°.26 0°.3/14.0 18

1 12	10 12.32	+11 46.4	1.236	2.088	17.6	19.9
1 22	10 7.20	+11 51.8	1.183	2.101	12.9	19.6
2 1	9 59.20	+12 10.3	1.151	2.115	7.5	19.4
2 11	9 49.43	+12 36.4	1.144	2.129	1.8	19.1
2 21	9 39.39	+13 3.4	1.162	2.145	4.0	19.3
3 2	9 30.62	+13 25.2	1.206	2.161	9.4	19.6
3 12	9 24.34	+13 37.3	1.274	2.178	14.2	19.9
3 22	9 21.19	+13 37.8	1.360	2.196	18.1	20.2

376322 2011 GX_{47} 2 13.9 122°.26 3°.9/17.5 18

1 12	10 7.54	− 0 49.8	2.133	2.917	13.7	21.4
1 22	10 2.87	− 0 35.3	2.052	2.922	10.8	21.2
2 1	9 56.40	− 0 2.0	1.995	2.927	7.6	21.0
2 11	9 48.80	+ 0 48.1	1.965	2.932	4.7	20.8
2 21	9 40.88	+ 1 50.8	1.963	2.937	4.1	20.8
3 2	9 33.51	+ 3 0.6	1.990	2.941	6.6	20.9
3 12	9 27.52	+ 4 11.2	2.045	2.946	9.8	21.1
3 22	9 23.46	+ 5 16.9	2.124	2.950	12.8	21.3

225549 2000 SC_{199} 2 13.9 187°.51 0°.3/14.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 9.99	+10 4.9	2.397	3.214	11.3	21.6
1 22	10 4.52	+10 37.9	2.313	3.213	8.3	21.4
2 1	9 57.32	+11 20.6	2.254	3.212	4.9	21.2
2 11	9 49.01	+12 9.4	2.225	3.210	1.2	20.9
2 21	9 40.36	+12 59.5	2.227	3.208	2.6	21.1
3 2	9 32.22	+13 46.5	2.259	3.205	6.3	21.3
3 12	9 25.38	+14 26.3	2.319	3.202	9.6	21.5
3 22	9 20.37	+14 56.8	2.403	3.198	12.4	21.7

194160 2001 TO_{18} 2 13.9 82°.23 4°.9/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.15	− 0 34.5	1.467	2.267	18.0	20.3
1 22	10 7.41	− 0 35.0	1.410	2.289	14.1	20.1
2 1	9 59.17	− 0 10.8	1.375	2.311	9.8	20.0
2 11	9 49.43	+ 0 35.4	1.364	2.333	6.0	19.8
2 21	9 39.43	+ 1 38.0	1.380	2.355	5.3	19.8
3 2	9 30.50	+ 2 48.8	1.423	2.376	8.5	20.0
3 12	9 23.72	+ 3 59.2	1.492	2.397	12.4	20.3
3 22	9 19.69	+ 5 2.4	1.582	2.418	16.0	20.6

360780 2005 EM_{186} 2 13.9 304°.97 2°.1/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.45	+15 23.9	1.518	2.370	14.9	20.5
1 22	10 5.77	+16 18.3	1.443	2.363	10.9	20.2
2 1	9 58.44	+17 23.6	1.391	2.357	6.3	20.0
2 11	9 49.31	+18 32.0	1.366	2.350	2.3	19.7
2 21	9 39.61	+19 34.8	1.368	2.344	5.0	19.9
3 2	9 30.71	+20 24.3	1.396	2.338	9.8	20.1
3 12	9 23.88	+20 56.1	1.449	2.332	14.2	20.3
3 22	9 19.88	+21 9.1	1.521	2.327	17.9	20.6

325233 2008 GU_{52} 2 13.9 159°.56 4°.2/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.27	− 1 58.5	1.984	2.766	14.6	21.3
1 22	10 3.54	− 1 34.5	1.902	2.769	11.6	21.1
2 1	9 56.87	− 0 48.7	1.842	2.772	8.2	20.9
2 11	9 48.93	+ 0 16.6	1.808	2.775	5.1	20.7
2 21	9 40.59	+ 1 36.7	1.803	2.777	4.4	20.7
3 2	9 32.85	+ 3 4.7	1.827	2.779	7.1	20.8
3 12	9 26.59	+ 4 32.9	1.879	2.780	10.5	21.1
3 22	9 22.42	+ 5 54.7	1.954	2.782	13.7	21.3

362980 2013 CM_{52} 2 13.9 289°.63 1°.2/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.01	+11 22.3	1.459	2.306	15.6	20.2
1 22	10 4.81	+12 40.2	1.382	2.300	11.5	19.9
2 1	9 57.94	+14 16.3	1.329	2.293	6.6	19.6
2 11	9 49.22	+16 2.0	1.301	2.287	1.6	19.3
2 21	9 39.84	+17 46.3	1.301	2.280	4.6	19.5
3 2	9 31.23	+19 18.7	1.329	2.274	9.8	19.7
3 12	9 24.66	+20 31.6	1.380	2.268	14.5	20.0
3 22	9 20.94	+21 22.0	1.451	2.262	18.4	20.2

427761 2004 TU_{68} 2 13.9 118°.21 4°.1/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.59	+25 2.1	2.394	3.231	10.7	21.7
1 22	10 7.05	+25 58.2	2.342	3.251	7.8	21.6
2 1	9 58.70	+26 52.2	2.317	3.270	5.2	21.4
2 11	9 49.31	+27 38.0	2.322	3.289	4.1	21.4
2 21	9 39.76	+28 10.9	2.357	3.308	5.6	21.5
3 2	9 31.00	+28 28.0	2.421	3.325	8.2	21.7
3 12	9 23.80	+28 29.1	2.511	3.343	10.8	21.9
3 22	9 18.66	+28 15.5	2.623	3.359	13.0	22.1

301991 2000 PM_{1} 2 13.9 134°.48 3°.0/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 15.68	+19 50.9	2.142	2.975	11.9	22.0
1 22	10 8.72	+20 53.2	2.085	2.995	8.6	21.9
2 1	9 59.74	+21 58.1	2.054	3.014	5.1	21.7
2 11	9 49.56	+22 58.6	2.053	3.031	3.0	21.6
2 21	9 39.16	+23 48.5	2.083	3.048	4.9	21.7
3 2	9 29.59	+24 23.9	2.142	3.063	8.2	22.0
3 12	9 21.74	+24 43.0	2.228	3.078	11.3	22.2
3 22	9 16.16	+24 46.6	2.337	3.091	13.9	22.4

427948 2005 WR_{156} 2 13.9 110°.27 5°.6/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.36	+26 48.8	2.011	2.858	12.0	20.6
1 22	10 6.58	+28 14.6	1.960	2.872	9.0	20.5
2 1	9 58.62	+29 37.8	1.935	2.885	6.4	20.3
2 11	9 49.32	+30 49.6	1.939	2.898	5.6	20.3
2 21	9 39.75	+31 43.3	1.971	2.910	7.4	20.4
3 2	9 31.03	+32 15.0	2.030	2.922	10.2	20.6
3 12	9 24.13	+32 24.4	2.113	2.934	12.9	20.8
3 22	9 19.61	+32 14.0	2.217	2.946	15.3	21.0

8412 1996 TM_{6} 2 13.9 102°.39 1°.4/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 14.70	+14 27.1	1.666	2.504	14.5	19.4
1 22	10 8.36	+15 10.7	1.611	2.524	10.5	19.2
2 1	9 59.66	+16 2.8	1.580	2.543	6.0	19.0
2 11	9 49.55	+16 56.5	1.577	2.562	1.7	18.7
2 21	9 39.23	+17 44.8	1.603	2.581	4.1	19.0
3 2	9 29.93	+18 22.3	1.657	2.598	8.5	19.3
3 12	9 22.69	+18 45.8	1.736	2.616	12.4	19.5
3 22	9 18.08	+18 54.8	1.837	2.633	15.7	19.8

488971 2005 UY_{296} 2 13.9 169°.81 5°.3/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 14.37	+29 58.2	2.568	3.401	10.1	22.4
1 22	10 7.72	+31 5.4	2.505	3.406	7.8	22.2
2 1	9 59.17	+32 8.0	2.471	3.410	5.9	22.1
2 11	9 49.45	+32 59.4	2.465	3.414	5.4	22.1
2 21	9 39.44	+33 34.5	2.490	3.417	6.8	22.2
3 2	9 30.11	+33 50.7	2.543	3.419	9.0	22.3
3 12	9 22.31	+33 48.0	2.621	3.420	11.3	22.5
3 22	9 16.58	+33 28.5	2.720	3.421	13.3	22.6

31938 Nattapong 2 13.9 212°.47 2°.2/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.95	+ 5 28.3	1.802	2.613	14.7	19.6
1 22	10 7.23	+ 5 42.3	1.714	2.607	11.2	19.3
2 1	9 59.16	+ 6 12.7	1.650	2.600	7.2	19.1
2 11	9 49.49	+ 6 56.6	1.612	2.593	3.1	18.8
2 21	9 39.26	+ 7 48.9	1.604	2.585	3.5	18.8
3 2	9 29.65	+ 8 43.3	1.624	2.576	7.7	19.1
3 12	9 21.78	+ 9 33.8	1.671	2.567	11.9	19.3
3 22	9 16.37	+10 15.9	1.740	2.557	15.6	19.5

63572 2001 QD_{23} 2 13.9 139°.72 0°.2/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.63	+10 54.7	1.750	2.578	14.3	19.9
1 22	10 7.61	+11 41.8	1.683	2.590	10.5	19.7
2 1	9 59.28	+12 41.5	1.640	2.601	6.1	19.4
2 11	9 49.49	+13 47.5	1.626	2.612	1.3	19.1
2 21	9 39.36	+14 52.6	1.641	2.621	3.5	19.3
3 2	9 30.08	+15 50.1	1.684	2.630	8.1	19.6
3 12	9 22.69	+16 35.3	1.754	2.639	12.1	19.9
3 22	9 17.81	+17 6.1	1.846	2.646	15.4	20.1

154690 2004 HA_{6} 2 13.9 323°.49 2°.2/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.68	+ 6 16.5	1.248	2.089	18.1	19.8
1 22	10 5.61	+ 6 34.2	1.172	2.082	13.8	19.5
2 1	9 58.55	+ 7 14.3	1.117	2.075	8.7	19.2
2 11	9 49.39	+ 8 12.4	1.085	2.068	3.4	18.9
2 21	9 39.50	+ 9 21.1	1.079	2.062	4.2	18.9
3 2	9 30.50	+10 30.6	1.098	2.056	9.7	19.2
3 12	9 23.82	+11 31.8	1.139	2.050	14.9	19.5
3 22	9 20.35	+12 18.9	1.200	2.045	19.4	19.7

354917 2006 DN_{43} 2 13.9 236°.68 1°.5/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 14.71	+15 37.3	1.699	2.538	14.2	21.5
1 22	10 8.70	+16 5.9	1.615	2.528	10.4	21.2
2 1	10 0.09	+16 42.5	1.556	2.519	6.0	20.9
2 11	9 49.72	+17 21.0	1.524	2.508	1.8	20.6
2 21	9 38.74	+17 55.0	1.520	2.498	4.4	20.8
3 2	9 28.53	+18 18.9	1.545	2.487	9.0	21.0
3 12	9 20.28	+18 29.6	1.595	2.475	13.3	21.3
3 22	9 14.77	+18 26.4	1.666	2.463	16.9	21.5

238423 2004 FW_{155} 2 13.9 243°.31 0°.0/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.60	+11 29.1	2.531	3.354	10.6	21.3
1 22	10 2.77	+11 59.2	2.440	3.345	7.8	21.1
2 1	9 56.33	+12 37.7	2.376	3.335	4.5	20.9
2 11	9 48.83	+13 21.0	2.340	3.326	1.0	20.6
2 21	9 40.98	+14 5.0	2.335	3.316	2.6	20.7
3 2	9 33.56	+14 45.5	2.360	3.306	6.1	20.9
3 12	9 27.32	+15 19.1	2.413	3.296	9.3	21.1
3 22	9 22.76	+15 43.6	2.490	3.286	12.0	21.3

262735 2006 XW_{39} 2 13.9 82°.36 2°.3/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.84	+ 5 27.4	1.742	2.557	15.0	20.4
1 22	10 6.18	+ 5 39.3	1.682	2.576	11.3	20.2
2 1	9 58.38	+ 6 7.3	1.645	2.596	7.1	20.0
2 11	9 49.28	+ 6 47.5	1.634	2.615	3.1	19.8
2 21	9 39.96	+ 7 34.7	1.653	2.634	3.4	19.8
3 2	9 31.53	+ 8 23.0	1.699	2.653	7.3	20.1
3 12	9 24.92	+ 9 6.8	1.772	2.671	11.2	20.4
3 22	9 20.69	+ 9 42.3	1.868	2.689	14.4	20.6

463241 2012 FJ_{5} 2 13.9 174°.63 0°.3/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.28	+12 41.0	1.764	2.599	13.9	21.7
1 22	10 6.69	+12 59.6	1.688	2.599	10.2	21.5
2 1	9 58.79	+13 27.9	1.637	2.599	5.9	21.2
2 11	9 49.40	+14 1.0	1.614	2.599	1.3	20.9
2 21	9 39.60	+14 33.5	1.619	2.599	3.5	21.1
3 2	9 30.58	+15 0.2	1.652	2.600	8.0	21.3
3 12	9 23.39	+15 17.7	1.710	2.600	12.1	21.6
3 22	9 18.69	+15 24.1	1.791	2.599	15.5	21.8

243096 Klauswerner 2 13.9 111°.44 4°.5/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.49	− 2 39.4	2.277	3.048	13.3	20.8
1 22	10 2.74	− 2 39.0	2.196	3.055	10.7	20.6
2 1	9 56.31	− 2 20.5	2.139	3.061	7.8	20.4
2 11	9 48.83	− 1 45.0	2.109	3.068	5.2	20.3
2 21	9 41.04	− 0 55.7	2.107	3.074	4.6	20.3
3 2	9 33.79	+ 0 2.9	2.134	3.080	6.6	20.4
3 12	9 27.83	+ 1 5.0	2.188	3.087	9.4	20.6
3 22	9 23.68	+ 2 5.2	2.267	3.093	12.1	20.8

106541 2000 WE_{66} 2 13.9 122.°97 17.°6/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 16.35	−21 29.0	1.271	1.965	25.5	19.0
1 22	10 10.72	−23 42.0	1.208	1.972	23.2	18.8
2 1	10 1.66	−25 15.5	1.160	1.978	20.9	18.6
2 11	9 50.15	−25 59.1	1.128	1.985	18.8	18.5
2 21	9 37.73	−25 48.0	1.115	1.991	17.7	18.5
3 2	9 26.28	−24 44.8	1.121	1.996	17.9	18.5
3 12	9 17.49	−23 1.2	1.146	2.002	19.2	18.6
3 22	9 12.35	−20 53.6	1.189	2.007	21.3	18.7

232543 2003 SF_{129} 2 13.9 198.°13 5.°0/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.24	− 4 8.0	2.185	2.952	13.9	20.0
1 22	10 2.69	− 4 3.7	2.097	2.951	11.3	19.9
2 1	9 56.36	− 3 39.1	2.032	2.950	8.4	19.7
2 11	9 48.87	− 2 55.0	1.993	2.949	5.8	19.5
2 21	9 41.00	− 1 54.7	1.982	2.948	5.1	19.5
3 2	9 33.63	− 0 43.2	2.000	2.946	7.0	19.6
3 12	9 27.59	+ 0 32.7	2.045	2.945	9.9	19.7
3 22	9 23.43	+ 1 46.8	2.115	2.943	12.7	19.9

455777 2005 OS_{27} 2 13.9 204.°98 1.°9/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.17	+16 50.7	2.511	3.341	10.5	22.1
1 22	10 5.43	+17 50.1	2.425	3.334	7.6	21.9
2 1	9 57.92	+18 55.4	2.366	3.327	4.4	21.7
2 11	9 49.23	+20 1.1	2.337	3.319	1.9	21.5
2 21	9 40.13	+21 1.6	2.339	3.310	3.9	21.6
3 2	9 31.50	+21 52.2	2.372	3.300	7.1	21.8
3 12	9 24.14	+22 29.9	2.432	3.290	10.2	22.0
3 22	9 18.63	+22 53.7	2.516	3.278	12.8	22.1

343619 2010 GM_{138} 2 13.9 22.°54 2.°6/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.43	+ 3 47.7	2.099	2.904	13.1	21.1
1 22	10 2.85	+ 3 57.0	2.018	2.906	10.1	20.9
2 1	9 56.45	+ 4 21.3	1.962	2.908	6.6	20.7
2 11	9 48.89	+ 4 58.2	1.933	2.909	3.4	20.5
2 21	9 40.99	+ 5 43.8	1.932	2.911	3.3	20.5
3 2	9 33.66	+ 6 33.2	1.960	2.913	6.5	20.7
3 12	9 27.73	+ 7 21.0	2.015	2.916	10.0	20.9
3 22	9 23.74	+ 8 3.0	2.094	2.918	13.0	21.1

122626 2000 RT_{71} 2 13.9 251.°59 11.°9/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.69	+44 37.5	1.822	2.628	14.8	19.4
1 22	10 19.62	+45 58.2	1.754	2.611	13.0	19.3
2 1	10 6.73	+47 0.3	1.710	2.592	12.0	19.2
2 11	9 51.28	+47 31.1	1.691	2.573	12.2	19.1
2 21	9 35.19	+47 22.4	1.696	2.553	13.6	19.2
3 2	9 20.61	+46 33.2	1.725	2.533	15.8	19.3
3 12	9 9.24	+45 9.0	1.774	2.512	18.1	19.4
3 22	9 1.89	+43 19.1	1.840	2.491	20.3	19.5

117789 2005 GH_{127} 2 13.9 175.°88 1.°9/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.62	+16 21.8	2.413	3.250	10.6	20.3
1 22	10 2.85	+17 23.5	2.338	3.251	7.6	20.2
2 1	9 56.40	+18 31.2	2.289	3.251	4.4	19.9
2 11	9 48.88	+19 39.6	2.269	3.252	1.9	19.8
2 21	9 41.03	+20 43.0	2.280	3.252	3.8	19.9
3 2	9 33.70	+21 36.5	2.321	3.252	7.1	20.1
3 12	9 27.64	+22 17.0	2.388	3.252	10.1	20.3
3 22	9 23.38	+22 43.4	2.479	3.252	12.7	20.5

269535 2009 VK_{82} 2 13.9 8.°23 3.°0/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.12	+19 6.2	1.808	2.658	13.0	20.3
1 22	10 5.15	+19 59.1	1.740	2.658	9.4	20.0
2 1	9 57.92	+20 57.0	1.696	2.659	5.6	19.8
2 11	9 49.26	+21 52.5	1.679	2.659	3.0	19.7
2 21	9 40.21	+22 38.9	1.691	2.660	5.3	19.8
3 2	9 31.93	+23 10.8	1.730	2.661	9.1	20.0
3 12	9 25.45	+23 25.9	1.794	2.662	12.7	20.2
3 22	9 21.39	+23 24.3	1.878	2.664	15.8	20.5

190820 2001 SY_{14} 2 13.9 68.°93 3.°4/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.67	+19 25.4	1.301	2.156	16.7	19.9
1 22	10 11.04	+20 0.6	1.254	2.174	12.1	19.7
2 1	10 1.41	+20 39.5	1.230	2.193	7.1	19.5
2 11	9 50.03	+21 13.3	1.231	2.213	3.4	19.3
2 21	9 38.49	+21 34.6	1.259	2.232	6.0	19.5
3 2	9 28.43	+21 39.0	1.313	2.251	10.6	19.8
3 12	9 21.07	+21 26.0	1.390	2.270	14.9	20.1
3 22	9 16.97	+20 57.7	1.486	2.289	18.4	20.4

234936 2002 UC_{35} 2 13.9 64.°81 4.°8/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.42	− 4 10.3	2.123	2.892	14.2	20.1
1 22	10 2.05	− 3 56.2	2.049	2.905	11.4	20.0
2 1	9 55.96	− 3 21.0	1.998	2.918	8.4	19.8
2 11	9 48.80	− 2 26.4	1.973	2.930	5.7	19.7
2 21	9 41.37	− 1 16.4	1.976	2.943	4.9	19.6
3 2	9 34.54	+ 0 3.0	2.008	2.956	6.8	19.8
3 12	9 29.07	+ 1 24.9	2.067	2.969	9.6	20.0
3 22	9 25.48	+ 2 43.0	2.151	2.982	12.5	20.2

393817 2005 SN_{15} 2 13.9 108.°32 0.°4/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 15.60	+12 8.7	1.473	2.311	16.0	21.4
1 22	10 9.35	+12 38.0	1.413	2.325	11.7	21.2
2 1	10 0.41	+13 19.4	1.377	2.339	6.8	20.9
2 11	9 49.82	+14 6.4	1.366	2.352	1.5	20.6
2 21	9 38.92	+14 51.6	1.384	2.365	3.9	20.8
3 2	9 29.12	+15 28.8	1.429	2.378	9.0	21.2
3 12	9 21.60	+15 53.8	1.499	2.390	13.4	21.4
3 22	9 17.00	+16 5.1	1.590	2.402	17.0	21.7

29576 1998 FF_{52} 2 13.9 348.°59 0.°8/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.98	+ 8 39.9	1.895	2.726	13.3	17.9
1 22	10 2.03	+ 9 9.7	1.814	2.721	9.9	17.7
2 1	9 56.09	+ 9 53.1	1.758	2.716	6.0	17.5
2 11	9 48.86	+10 46.0	1.728	2.712	1.8	17.2
2 21	9 41.22	+11 42.8	1.726	2.709	3.0	17.3
3 2	9 34.18	+12 37.5	1.753	2.706	7.2	17.5
3 12	9 28.64	+13 24.8	1.806	2.704	11.0	17.7
3 22	9 25.23	+14 1.1	1.881	2.702	14.4	17.9

32224 2000 OK_{23} 2 13.9 212.°16 0.°9/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.55	+ 9 15.4	2.212	3.027	12.2	18.8
1 22	10 5.85	+ 9 29.7	2.123	3.021	9.1	18.5
2 1	9 58.23	+ 9 54.4	2.059	3.015	5.5	18.3
2 11	9 49.35	+10 26.3	2.024	3.008	1.7	18.0
2 21	9 40.05	+11 1.2	2.019	3.001	2.8	18.1
3 2	9 31.29	+11 34.9	2.044	2.993	6.6	18.3
3 12	9 23.94	+12 3.5	2.096	2.984	10.2	18.5
3 22	9 18.60	+12 24.3	2.172	2.975	13.3	18.7

24520 Abramson 2 13.9 237.°93 2.°0/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.68	+15 42.6	1.927	2.765	12.8	18.9
1 22	10 6.32	+16 42.1	1.839	2.753	9.3	18.6
2 1	9 58.69	+17 50.8	1.777	2.740	5.4	18.4
2 11	9 49.48	+19 2.1	1.743	2.726	2.1	18.1
2 21	9 39.69	+20 8.5	1.738	2.712	4.5	18.3
3 2	9 30.46	+21 3.5	1.762	2.698	8.6	18.5
3 12	9 22.88	+21 42.9	1.813	2.683	12.5	18.7
3 22	9 17.67	+22 5.5	1.884	2.667	15.8	18.9

50579 2000 EN_{41} 2 13.9 43.°82 2.°1/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.69	+ 5 10.0	1.498	2.326	16.3	18.8
1 22	10 4.31	+ 5 41.3	1.433	2.335	12.3	18.6
2 1	9 57.52	+ 6 32.8	1.390	2.345	7.7	18.3
2 11	9 49.19	+ 7 39.6	1.373	2.355	3.1	18.1
2 21	9 40.49	+ 8 54.2	1.383	2.365	3.6	18.1
3 2	9 32.67	+10 8.4	1.420	2.376	8.1	18.4
3 12	9 26.82	+11 14.3	1.481	2.387	12.5	18.7
3 22	9 23.56	+12 7.2	1.565	2.398	16.2	18.9

413054 2001 RB_{35} 2 13.9 102.°72 1.°7/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.78	+ 6 3.4	2.016	2.825	13.5	21.6
1 22	10 5.92	+ 6 29.3	1.955	2.848	10.1	21.4
2 1	9 58.18	+ 7 9.1	1.918	2.870	6.3	21.2
2 11	9 49.31	+ 7 58.9	1.910	2.891	2.5	21.0
2 21	9 40.26	+ 8 53.3	1.931	2.912	2.9	21.0
3 2	9 31.98	+ 9 47.0	1.981	2.933	6.6	21.3
3 12	9 25.30	+10 34.9	2.060	2.952	10.1	21.6
3 22	9 20.73	+11 14.0	2.161	2.972	13.1	21.8

180667 2004 GW_{63} 2 13.9 166.°57 1.°3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.69	+ 7 41.8	1.914	2.733	13.7	21.2
1 22	10 5.41	+ 8 2.8	1.835	2.735	10.2	21.0
2 1	9 58.03	+ 8 37.5	1.781	2.736	6.3	20.7
2 11	9 49.31	+ 9 22.0	1.755	2.738	2.2	20.5
2 21	9 40.20	+10 11.3	1.757	2.739	3.0	20.5
3 2	9 31.75	+10 59.5	1.789	2.740	7.2	20.8
3 12	9 24.92	+11 41.8	1.847	2.741	11.0	21.0
3 22	9 20.32	+12 14.8	1.927	2.742	14.4	21.2

462678 2009 UN_{57} 2 13.9 119.°76 0.°1/13.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.72	+11 13.6	2.028	2.855	12.7	22.4
1 22	10 5.27	+11 39.9	1.957	2.863	9.3	22.2
2 1	9 57.88	+12 16.1	1.910	2.870	5.4	21.9
2 11	9 49.27	+12 57.7	1.893	2.878	1.3	21.7
2 21	9 40.36	+13 39.7	1.904	2.885	3.0	21.8
3 2	9 32.15	+14 17.1	1.945	2.893	7.0	22.1
3 12	9 25.50	+14 46.4	2.012	2.900	10.6	22.3
3 22	9 20.98	+15 5.3	2.103	2.906	13.7	22.5

173835 2001 TC_{91} 2 13.9 299.°55 2.°7/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.79	+20 32.2	2.243	3.084	11.1	19.8
1 22	10 5.27	+21 2.4	2.168	3.082	8.1	19.6
2 1	9 57.86	+21 34.4	2.119	3.080	4.9	19.4
2 11	9 49.26	+22 3.1	2.099	3.078	2.7	19.2
2 21	9 40.36	+22 23.9	2.108	3.076	4.5	19.4
3 2	9 32.11	+22 33.4	2.146	3.074	7.7	19.5
3 12	9 25.34	+22 30.3	2.210	3.073	10.8	19.7
3 22	9 20.63	+22 14.8	2.296	3.071	13.6	19.9

337258 2000 SV_{136} 2 13.9 151°.35 4°.6/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 6.98	− 6 45.0	3.153	3.883	10.8	21.5
1 22	10 2.00	− 6 53.9	3.067	3.892	8.9	21.4
2 1	9 55.77	− 6 47.9	3.005	3.900	6.9	21.3
2 11	9 48.78	− 6 27.4	2.971	3.908	5.2	21.2
2 21	9 41.57	− 5 53.9	2.965	3.915	4.6	21.1
3 2	9 34.73	− 5 10.4	2.990	3.922	5.7	21.2
3 12	9 28.83	− 4 20.8	3.043	3.928	7.5	21.3
3 22	9 24.26	− 3 29.2	3.122	3.934	9.5	21.5

283003 2007 TS_{390} 2 13.9 150°.09 1°.1/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.98	+ 7 32.8	2.540	3.350	11.0	21.8
1 22	10 2.98	+ 7 58.6	2.461	3.356	8.2	21.7
2 1	9 56.45	+ 8 34.9	2.408	3.361	5.0	21.5
2 11	9 48.96	+ 9 18.6	2.383	3.366	1.8	21.2
2 21	9 41.20	+10 5.9	2.390	3.371	2.4	21.3
3 2	9 33.94	+10 52.3	2.426	3.376	5.7	21.5
3 12	9 27.86	+11 34.2	2.490	3.380	8.7	21.7
3 22	9 23.44	+12 8.8	2.579	3.384	11.4	21.9

200844 2001 YW_{9} 2 13.9 109°.47 1°.9/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.49	+ 6 54.3	1.740	2.552	15.1	21.0
1 22	10 9.57	+ 7 3.0	1.681	2.575	11.3	20.8
2 1	10 0.38	+ 7 26.0	1.646	2.598	7.0	20.6
2 11	9 49.85	+ 7 59.5	1.638	2.620	2.7	20.4
2 21	9 39.13	+ 8 38.3	1.660	2.641	3.3	20.4
3 2	9 29.41	+ 9 16.8	1.711	2.662	7.5	20.7
3 12	9 21.66	+ 9 50.4	1.789	2.682	11.4	21.0
3 22	9 16.46	+10 15.9	1.889	2.700	14.7	21.3

169265 2001 SV_{176} 2 13.9 136°.71 5°.1/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.74	+28 31.2	2.396	3.239	10.5	19.7
1 22	10 5.22	+29 34.2	2.335	3.242	7.9	19.6
2 1	9 57.83	+30 33.6	2.300	3.246	5.8	19.4
2 11	9 49.28	+31 22.8	2.294	3.249	5.2	19.4
2 21	9 40.46	+31 56.9	2.316	3.252	6.7	19.5
3 2	9 32.30	+32 12.7	2.366	3.255	9.1	19.6
3 12	9 25.66	+32 10.0	2.441	3.258	11.5	19.8
3 22	9 21.06	+31 50.7	2.537	3.261	13.7	20.0

127044 2002 GH_{41} 2 13.9 91°.45 1°.3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.22	+ 7 53.4	1.959	2.779	13.4	20.0
1 22	10 4.95	+ 8 10.6	1.889	2.789	10.0	19.8
2 1	9 57.72	+ 8 40.4	1.844	2.799	6.1	19.5
2 11	9 49.28	+ 9 19.1	1.826	2.809	2.1	19.3
2 21	9 40.54	+10 2.0	1.837	2.819	2.9	19.4
3 2	9 32.52	+10 44.0	1.877	2.828	6.9	19.6
3 12	9 26.08	+11 20.4	1.943	2.838	10.5	19.9
3 22	9 21.78	+11 48.3	2.033	2.848	13.7	20.1

480891 2002 JH_{114} 2 13.9 249°.84 18°.4/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.13	+47 50.9	1.143	1.979	19.9	20.5
1 22	10 17.86	+51 20.8	1.112	1.972	18.6	20.4
2 1	10 6.90	+54 21.5	1.102	1.965	18.6	20.3
2 11	9 51.60	+56 30.5	1.111	1.958	19.8	20.4
2 21	9 34.79	+57 34.4	1.139	1.950	21.9	20.5
3 2	9 20.12	+57 32.5	1.181	1.942	24.2	20.6
3 12	9 10.38	+56 35.5	1.235	1.934	26.4	20.8
3 22	9 6.59	+54 57.5	1.299	1.926	28.3	20.9

93831 2000 WL_{77} 2 13.9 13°.36 4°.5/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.36	+23 11.7	1.674	2.528	13.6	18.9
1 22	10 6.96	+23 58.3	1.611	2.529	10.0	18.7
2 1	9 59.07	+24 45.2	1.571	2.531	6.4	18.5
2 11	9 49.60	+25 24.6	1.559	2.533	4.5	18.4
2 21	9 39.78	+25 49.8	1.574	2.536	6.5	18.5
3 2	9 30.91	+25 56.6	1.615	2.539	10.2	18.7
3 12	9 24.09	+25 44.4	1.680	2.542	13.7	18.9
3 22	9 19.97	+25 15.1	1.766	2.546	16.8	19.2

199088 2005 XX_{116} 2 13.9 138°.85 0°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 15.02	+10 19.0	1.850	2.672	14.0	22.4
1 22	10 8.54	+10 59.1	1.784	2.687	10.3	22.2
2 1	9 59.84	+11 51.2	1.742	2.701	6.0	21.9
2 11	9 49.77	+12 49.6	1.729	2.715	1.4	21.6
2 21	9 39.40	+13 48.1	1.746	2.727	3.2	21.8
3 2	9 29.87	+14 40.4	1.793	2.739	7.6	22.1
3 12	9 22.18	+15 22.1	1.866	2.750	11.5	22.4
3 22	9 16.91	+15 51.2	1.962	2.760	14.7	22.6

138767 2000 ST_{313} 2 13.9 149°.79 1°.4/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.55	+ 7 51.6	2.655	3.460	10.7	20.4
1 22	10 4.06	+ 7 49.4	2.573	3.464	8.0	20.2
2 1	9 57.06	+ 7 55.8	2.517	3.468	5.0	20.0
2 11	9 49.12	+ 8 8.8	2.490	3.472	2.0	19.8
2 21	9 40.94	+ 8 25.7	2.494	3.475	2.4	19.9
3 2	9 33.25	+ 8 43.7	2.529	3.479	5.5	20.1
3 12	9 26.73	+ 8 59.8	2.592	3.482	8.4	20.3
3 22	9 21.84	+ 9 11.7	2.679	3.485	11.0	20.4

179037 2001 RM_{135} 2 13.9 158°.86 4°.5/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 15.61	+25 57.8	2.241	3.077	11.3	20.9
1 22	10 8.79	+26 47.7	2.177	3.084	8.4	20.7
2 1	9 59.91	+27 35.1	2.139	3.091	5.7	20.6
2 11	9 49.78	+28 13.5	2.131	3.097	4.5	20.5
2 21	9 39.38	+28 37.6	2.152	3.102	6.1	20.6
3 2	9 29.79	+28 44.6	2.202	3.106	8.9	20.8
3 12	9 21.90	+28 34.4	2.278	3.110	11.7	21.0
3 22	9 16.28	+28 8.9	2.375	3.114	14.1	21.1

456866 2007 VH_{13} 2 13.9 142°.33 0°.4/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.94	+12 15.2	1.943	2.769	13.2	22.5
1 22	10 7.70	+12 49.8	1.874	2.780	9.6	22.3
2 1	9 59.34	+13 34.0	1.831	2.791	5.6	22.1
2 11	9 49.66	+14 22.5	1.816	2.802	1.2	21.8
2 21	9 39.69	+15 9.4	1.831	2.811	3.3	22.0
3 2	9 30.50	+15 49.7	1.876	2.820	7.5	22.3
3 12	9 23.03	+16 19.6	1.947	2.828	11.2	22.5
3 22	9 17.89	+16 37.6	2.041	2.836	14.3	22.7

51740 2001 KG_{50} 2 13.9 162°.63 5°.7/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.35	− 5 37.3	2.281	3.028	14.0	19.9
1 22	10 5.63	− 5 54.7	2.196	3.035	11.5	19.7
2 1	9 58.09	− 5 52.8	2.135	3.040	8.8	19.6
2 11	9 49.38	− 5 31.5	2.100	3.045	6.4	19.4
2 21	9 40.33	− 4 53.1	2.093	3.049	5.7	19.4
3 2	9 31.81	− 4 1.5	2.116	3.053	7.3	19.5
3 12	9 24.65	− 3 2.7	2.166	3.056	9.9	19.6
3 22	9 19.42	− 2 2.5	2.241	3.058	12.5	19.8

366871 2005 SB_{165} 2 13.9 170°.67 0°.3/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.25	+12 34.3	2.160	2.984	12.1	22.0
1 22	10 6.36	+12 59.8	2.082	2.987	8.9	21.8
2 1	9 58.54	+13 33.6	2.030	2.990	5.1	21.5
2 11	9 49.49	+14 11.3	2.007	2.992	1.1	21.3
2 21	9 40.11	+14 48.1	2.014	2.994	3.0	21.4
3 2	9 31.36	+15 19.7	2.050	2.995	6.9	21.7
3 12	9 24.13	+15 42.9	2.114	2.996	10.4	21.9
3 22	9 18.97	+15 55.9	2.202	2.996	13.4	22.1

222271 2000 RJ_{49} 2 13.9 241°.05 3°.8/17.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.32	+ 0 20.4	2.118	2.905	13.7	20.6
1 22	10 4.38	+ 0 24.6	2.021	2.894	10.8	20.4
2 1	9 57.49	+ 0 46.5	1.949	2.883	7.6	20.2
2 11	9 49.28	+ 1 24.8	1.903	2.872	4.6	20.0
2 21	9 40.57	+ 2 16.1	1.885	2.860	4.1	19.9
3 2	9 32.32	+ 3 15.4	1.897	2.848	6.9	20.1
3 12	9 25.44	+ 4 16.5	1.936	2.835	10.4	20.3
3 22	9 20.57	+ 5 14.1	1.999	2.823	13.6	20.4

244650 2003 GZ 2 13.9 263°.15 3°.5/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.50	− 0 14.2	2.017	2.807	14.1	20.5
1 22	10 3.16	+ 0 16.2	1.919	2.795	11.1	20.2
2 1	9 56.83	+ 1 7.8	1.845	2.782	7.7	20.0
2 11	9 49.14	+ 2 18.4	1.797	2.769	4.4	19.8
2 21	9 40.91	+ 3 43.2	1.778	2.755	3.9	19.7
3 2	9 33.14	+ 5 15.1	1.788	2.742	7.0	19.9
3 12	9 26.76	+ 6 46.4	1.826	2.728	10.7	20.1
3 22	9 22.44	+ 8 10.5	1.887	2.714	14.1	20.2

212048 2005 CE_{76} 2 13.9 229°.41 0°.1/13.9 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.06	+10 40.2	1.949	2.774	13.2	21.3
1 22	10 6.56	+11 13.9	1.859	2.764	9.8	21.1
2 1	9 58.84	+11 59.6	1.793	2.753	5.8	20.8
2 11	9 49.61	+12 52.8	1.756	2.741	1.4	20.5
2 21	9 39.83	+13 47.5	1.748	2.729	3.2	20.6
3 2	9 30.61	+14 37.9	1.769	2.716	7.6	20.9
3 12	9 22.98	+15 19.1	1.817	2.703	11.6	21.1
3 22	9 17.65	+15 48.3	1.887	2.689	15.1	21.3

73542 2003 OJ_{23} 2 13.9 135°.80 0°.8/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 14.14	+10 0.8	1.691	2.518	14.8	19.9
1 22	10 8.14	+10 10.1	1.619	2.523	11.0	19.6
2 1	9 59.74	+10 31.5	1.571	2.529	6.6	19.4
2 11	9 49.80	+11 0.8	1.550	2.535	1.9	19.1
2 21	9 39.48	+11 32.8	1.558	2.540	3.3	19.2
3 2	9 30.01	+12 2.1	1.594	2.544	7.9	19.5
3 12	9 22.49	+12 24.6	1.655	2.549	12.1	19.8
3 22	9 17.55	+12 37.8	1.739	2.553	15.7	20.0

116995 2004 HN_{47} 2 13.9 272°.60 6°.6/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.06	+32 35.8	2.399	3.241	10.5	19.5
1 22	10 5.01	+34 6.9	2.328	3.227	8.4	19.4
2 1	9 57.90	+35 33.4	2.283	3.213	6.9	19.2
2 11	9 49.39	+36 47.2	2.266	3.199	6.8	19.2
2 21	9 40.39	+37 41.9	2.277	3.185	8.3	19.3
3 2	9 31.94	+38 13.7	2.315	3.171	10.6	19.4
3 12	9 24.99	+38 22.2	2.376	3.157	12.9	19.5
3 22	9 20.21	+38 9.4	2.456	3.143	14.9	19.7

502090 2015 AM_{241} 2 13.9 61°.82 1°.4/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 8.88	+14 48.5	1.977	2.817	12.4	20.8
1 22	10 4.05	+15 36.6	1.910	2.824	9.0	20.6
2 1	9 57.25	+16 32.6	1.869	2.832	5.1	20.3
2 11	9 49.22	+17 30.5	1.855	2.840	1.6	20.1
2 21	9 40.89	+18 24.1	1.871	2.848	3.8	20.3
3 2	9 33.27	+19 8.4	1.915	2.856	7.6	20.5
3 12	9 27.22	+19 39.7	1.985	2.864	11.2	20.8
3 22	9 23.30	+19 57.0	2.077	2.872	14.1	21.0

75918 2000 CC_{61} 2 13.9 228°.64 0°.5/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.80	+14 25.3	2.780	3.599	9.9	19.3
1 22	10 5.76	+14 37.3	2.683	3.586	7.2	19.1
2 1	9 58.12	+14 54.1	2.613	3.573	4.2	18.9
2 11	9 49.42	+15 12.5	2.574	3.559	1.0	18.7
2 21	9 40.37	+15 29.4	2.566	3.545	2.6	18.8
3 2	9 31.75	+15 41.9	2.589	3.530	5.9	19.0
3 12	9 24.26	+15 47.9	2.641	3.515	8.9	19.1
3 22	9 18.44	+15 46.4	2.717	3.499	11.5	19.3

471380 2011 SG_{109} 2 13.9 213°.37 1°.9/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.38	+ 3 46.7	2.990	3.780	10.0	22.3
1 22	10 1.72	+ 4 12.3	2.893	3.773	7.6	22.1
2 1	9 55.73	+ 4 49.4	2.822	3.766	5.0	22.0
2 11	9 48.87	+ 5 35.9	2.781	3.758	2.5	21.8
2 21	9 41.71	+ 6 28.6	2.770	3.749	2.4	21.7
3 2	9 34.89	+ 7 23.7	2.790	3.740	5.0	21.9
3 12	9 29.01	+ 8 17.2	2.839	3.731	7.7	22.1
3 22	9 24.51	+ 9 5.9	2.914	3.722	10.2	22.2

140255 2001 SN_{257} 2 13.9 99°.10 1°.6/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.45	+ 5 25.3	2.526	3.328	11.2	19.8
1 22	10 2.57	+ 5 54.0	2.457	3.345	8.5	19.7
2 1	9 56.21	+ 6 34.6	2.413	3.362	5.3	19.5
2 11	9 48.97	+ 7 23.9	2.398	3.378	2.3	19.3
2 21	9 41.53	+ 8 17.8	2.413	3.395	2.5	19.3
3 2	9 34.62	+ 9 11.9	2.459	3.411	5.5	19.6
3 12	9 28.91	+10 2.0	2.533	3.426	8.5	19.8
3 22	9 24.83	+10 45.1	2.632	3.442	11.1	20.0

290297 2005 SV_{175} 2 13.9 37°.30 0°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.86	+12 18.7	1.611	2.451	14.8	20.6
1 22	10 6.55	+12 30.8	1.545	2.457	10.9	20.4
2 1	9 58.83	+12 53.3	1.502	2.464	6.3	20.1
2 11	9 49.60	+13 21.2	1.485	2.470	1.4	19.8
2 21	9 40.02	+13 49.1	1.496	2.478	3.5	20.0
3 2	9 31.35	+14 11.9	1.534	2.485	8.2	20.3
3 12	9 24.65	+14 25.8	1.598	2.493	12.4	20.5
3 22	9 20.55	+14 29.1	1.683	2.501	15.9	20.8

209010 2003 BE_{66} 2 13.9 272°.86 0°.9/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 14.23	+11 5.5	2.542	3.351	11.0	20.1
1 22	10 7.70	+10 45.5	2.435	3.330	8.2	19.9
2 1	9 59.33	+10 31.0	2.355	3.310	5.0	19.7
2 11	9 49.72	+10 20.2	2.305	3.289	1.6	19.4
2 21	9 39.65	+10 11.1	2.287	3.268	2.6	19.4
3 2	9 30.00	+10 1.6	2.300	3.247	6.1	19.6
3 12	9 21.59	+ 9 49.8	2.342	3.225	9.5	19.8
3 22	9 15.05	+ 9 34.2	2.408	3.204	12.4	20.0

432227 2009 HT_{16} 2 13.9 358°.84 2°.5/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.61	+ 2 24.5	2.301	3.099	12.3	21.1
1 22	10 1.48	+ 2 52.3	2.216	3.099	9.5	20.9
2 1	9 55.70	+ 3 35.9	2.156	3.099	6.3	20.7
2 11	9 48.88	+ 4 32.7	2.123	3.099	3.3	20.5
2 21	9 41.72	+ 5 38.4	2.119	3.099	3.1	20.5
3 2	9 35.05	+ 6 47.4	2.145	3.099	6.0	20.7
3 12	9 29.60	+ 7 54.3	2.199	3.099	9.2	20.9
3 22	9 25.89	+ 8 54.5	2.277	3.099	12.2	21.1

276163 2002 LV_{62} 2 13.9 147°.01 1°.4/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.56	+16 0.2	2.592	3.421	10.2	21.2
1 22	10 4.14	+16 45.2	2.521	3.430	7.3	21.0
2 1	9 57.15	+17 35.1	2.477	3.439	4.2	20.8
2 11	9 49.19	+18 25.4	2.463	3.447	1.5	20.6
2 21	9 41.00	+19 11.6	2.480	3.455	3.3	20.8
3 2	9 33.34	+19 49.6	2.527	3.462	6.4	21.0
3 12	9 26.92	+20 17.2	2.602	3.469	9.3	21.2
3 22	9 22.22	+20 33.3	2.701	3.475	11.7	21.4

71847 2000 UU_{97} 2 13.9 198°.90 2°.4/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 15.37	+18 4.3	1.778	2.618	13.6	19.7
1 22	10 9.10	+18 40.1	1.702	2.616	9.9	19.5
2 1	10 0.35	+19 21.1	1.651	2.614	5.8	19.2
2 11	9 49.98	+20 0.7	1.628	2.610	2.5	19.0
2 21	9 39.14	+20 32.4	1.634	2.607	4.8	19.2
3 2	9 29.12	+20 51.5	1.668	2.603	9.0	19.4
3 12	9 21.06	+20 55.8	1.727	2.599	12.9	19.6
3 22	9 15.63	+20 45.5	1.807	2.594	16.2	19.8

217464 2005 UR_{386} 2 13.9 121°.41 0°.6/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 10.93	+11 39.9	2.403	3.222	11.2	20.8
1 22	10 5.16	+12 41.7	2.340	3.244	8.1	20.7
2 1	9 57.74	+13 52.1	2.305	3.265	4.6	20.5
2 11	9 49.33	+15 5.9	2.300	3.285	1.0	20.2
2 21	9 40.72	+16 17.3	2.326	3.305	2.9	20.4
3 2	9 32.74	+17 21.2	2.383	3.323	6.4	20.7
3 12	9 26.10	+18 13.9	2.468	3.341	9.5	20.9
3 22	9 21.30	+18 53.8	2.577	3.359	12.1	21.1

166107 2002 CV_{171} 2 13.9 314°.54 3°.4/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.80	+18 30.4	1.323	2.184	16.0	20.2
1 22	10 7.31	+19 16.1	1.245	2.169	11.8	19.9
2 1	9 59.70	+20 10.2	1.189	2.154	7.0	19.6
2 11	9 49.89	+21 3.6	1.158	2.140	3.5	19.3
2 21	9 39.28	+21 47.1	1.152	2.126	6.3	19.4
3 2	9 29.57	+22 13.0	1.172	2.112	11.4	19.7
3 12	9 22.26	+22 18.0	1.214	2.100	16.2	19.9
3 22	9 18.24	+22 2.6	1.274	2.088	20.3	20.1

40682 1999 RM_{211} 2 13.9 326°.46 0°.2/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.64	+13 28.8	1.937	2.769	13.0	18.7
1 22	10 6.85	+13 33.2	1.859	2.768	9.6	18.5
2 1	9 58.93	+13 44.9	1.806	2.767	5.6	18.2
2 11	9 49.64	+13 59.8	1.781	2.766	1.3	17.9
2 21	9 39.98	+14 14.0	1.784	2.765	3.2	18.1
3 2	9 31.04	+14 23.6	1.817	2.765	7.4	18.3
3 12	9 23.78	+14 25.9	1.876	2.764	11.2	18.6
3 22	9 18.82	+14 19.7	1.957	2.763	14.5	18.8

413161 2002 GB_{184} 2 13.9 278°.94 1°.7/14.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.89	+ 8 5.5	1.631	2.456	15.3	21.6
1 22	10 7.65	+ 8 6.5	1.533	2.435	11.7	21.3
2 1	9 59.75	+ 8 22.1	1.458	2.414	7.3	21.0
2 11	9 49.90	+ 8 49.5	1.409	2.392	2.7	20.6
2 21	9 39.23	+ 9 23.9	1.388	2.370	3.6	20.6
3 2	9 29.09	+ 9 59.6	1.394	2.348	8.6	20.9
3 12	9 20.81	+10 30.8	1.426	2.325	13.3	21.1
3 22	9 15.27	+10 53.5	1.478	2.303	17.5	21.3

148689 2001 SM_{247} 2 13.9 24°.54 10°.4/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.72	+34 53.5	1.204	2.067	17.2	18.8
1 22	10 10.88	+35 58.0	1.171	2.081	13.8	18.6
2 1	10 1.52	+36 46.6	1.158	2.096	11.2	18.5
2 11	9 50.21	+37 7.0	1.169	2.113	10.5	18.5
2 21	9 38.87	+36 52.8	1.202	2.131	12.2	18.7
3 2	9 29.39	+36 4.4	1.258	2.150	15.1	18.9
3 12	9 23.08	+34 47.7	1.334	2.170	18.2	19.1
3 22	9 20.40	+33 11.1	1.427	2.191	20.8	19.4

395928 2013 AG_{97} 2 13.9 68°.02 3°.2/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 11.23	+11 54.7	1.281	2.133	17.1	19.8
1 22	10 6.55	+14 38.2	1.234	2.155	12.2	19.6
2 1	9 59.02	+17 39.7	1.212	2.178	6.8	19.3
2 11	9 49.69	+20 42.5	1.219	2.201	3.2	19.2
2 21	9 39.98	+23 29.1	1.254	2.224	6.6	19.4
3 2	9 31.41	+25 46.0	1.317	2.247	11.4	19.8
3 12	9 25.24	+27 27.2	1.404	2.269	15.7	20.1
3 22	9 22.14	+28 33.7	1.509	2.292	19.1	20.4

463659 2013 WC_{67} 2 13.9 153°.34 2°.5/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.75	+20 30.8	2.393	3.228	10.7	21.3
1 22	10 6.58	+20 58.7	2.322	3.233	7.8	21.1
2 1	9 58.62	+21 28.0	2.278	3.238	4.7	20.9
2 11	9 49.56	+21 53.7	2.263	3.242	2.5	20.8
2 21	9 40.26	+22 11.8	2.278	3.246	4.2	20.9
3 2	9 31.62	+22 19.2	2.323	3.250	7.3	21.1
3 12	9 24.44	+22 15.0	2.394	3.254	10.3	21.3
3 22	9 19.24	+21 59.3	2.489	3.257	12.8	21.5

245922 2006 RY_{11} 2 13.9 148°.75 0°.1/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.13	+11 17.8	2.826	3.643	9.8	21.8
1 22	10 2.99	+11 45.7	2.749	3.650	7.2	21.6
2 1	9 56.46	+12 20.6	2.699	3.658	4.2	21.4
2 11	9 49.07	+12 59.4	2.679	3.665	1.0	21.2
2 21	9 41.46	+13 38.4	2.690	3.671	2.3	21.3
3 2	9 34.32	+14 14.3	2.732	3.677	5.4	21.5
3 12	9 28.25	+14 44.1	2.802	3.683	8.2	21.7
3 22	9 23.71	+15 6.1	2.897	3.689	10.6	21.9

234906 2002 TA_{246} 2 13.9 162°.90 1°.7/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.22	+ 4 47.1	2.437	3.239	11.6	20.6
1 22	10 2.56	+ 5 20.7	2.353	3.242	8.8	20.4
2 1	9 56.31	+ 6 7.7	2.296	3.244	5.6	20.2
2 11	9 49.05	+ 7 5.1	2.266	3.246	2.4	20.0
2 21	9 41.49	+ 8 8.5	2.267	3.249	2.6	20.0
3 2	9 34.40	+ 9 12.7	2.299	3.250	5.8	20.2
3 12	9 28.51	+10 12.9	2.358	3.252	9.0	20.4
3 22	9 24.31	+11 5.3	2.442	3.253	11.8	20.6

256223 2006 VV_{139} 2 13.9 78°.19 2°.9/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 15.19	+18 32.7	1.724	2.566	13.8	20.6
1 22	10 8.65	+19 32.6	1.683	2.598	9.9	20.4
2 1	9 59.88	+20 36.0	1.667	2.629	5.8	20.3
2 11	9 49.85	+21 35.1	1.679	2.659	3.0	20.2
2 21	9 39.75	+22 22.9	1.720	2.690	5.1	20.4
3 2	9 30.76	+22 55.1	1.789	2.719	8.9	20.6
3 12	9 23.83	+23 10.1	1.884	2.749	12.3	20.9
3 22	9 19.44	+23 9.1	1.999	2.777	15.2	21.2

171990 2001 TY_{208} 2 13.9 116°.25 1°.3/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.31	+15 20.0	2.334	3.168	11.0	20.3
1 22	10 3.42	+16 2.9	2.260	3.172	7.9	20.1
2 1	9 56.84	+16 52.0	2.213	3.176	4.5	19.9
2 11	9 49.18	+17 42.5	2.195	3.180	1.5	19.7
2 21	9 41.24	+18 29.4	2.207	3.183	3.4	19.9
3 2	9 33.85	+19 8.3	2.248	3.187	6.8	20.1
3 12	9 27.80	+19 36.3	2.316	3.190	10.0	20.3
3 22	9 23.59	+19 52.2	2.407	3.193	12.7	20.5

96096 2111 $T\text{-}_2$ 2 13.9 183°.50 2°.2/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.32	+ 4 36.4	1.823	2.631	14.7	20.6
1 22	10 6.78	+ 5 3.4	1.741	2.632	11.2	20.4
2 1	9 58.99	+ 5 48.2	1.683	2.632	7.2	20.2
2 11	9 49.71	+ 6 47.1	1.651	2.632	3.1	19.9
2 21	9 39.94	+ 7 54.4	1.649	2.630	3.4	19.9
3 2	9 30.84	+ 9 3.2	1.676	2.629	7.5	20.2
3 12	9 23.44	+10 6.8	1.730	2.626	11.5	20.4
3 22	9 18.42	+11 0.4	1.806	2.623	15.1	20.6

61546 2000 QT_{65} 2 13.9 158°.39 2°.5/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 14.36	+17 39.9	1.992	2.827	12.5	19.2
1 22	10 8.09	+18 41.1	1.924	2.835	9.1	19.0
2 1	9 59.66	+19 47.8	1.881	2.843	5.3	18.8
2 11	9 49.85	+20 53.2	1.868	2.850	2.6	18.6
2 21	9 39.68	+21 50.3	1.885	2.856	4.7	18.8
3 2	9 30.28	+22 33.8	1.932	2.861	8.4	19.0
3 12	9 22.61	+23 1.2	2.004	2.865	11.9	19.2
3 22	9 17.29	+23 12.5	2.098	2.869	14.8	19.4

66459 1999 RD_4 2 13.9 180°.87 1°.5/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.74	+ 5 38.1	2.374	3.178	11.8	20.0
1 22	10 3.72	+ 6 14.0	2.289	3.179	8.9	19.8
2 1	9 57.02	+ 7 3.4	2.230	3.180	5.6	19.6
2 11	9 49.24	+ 8 2.8	2.199	3.180	2.2	19.4
2 21	9 41.11	+ 9 7.5	2.198	3.180	2.6	19.4
3 2	9 33.47	+10 12.2	2.228	3.179	6.0	19.6
3 12	9 27.08	+11 12.1	2.286	3.177	9.3	19.8
3 22	9 22.47	+12 3.4	2.368	3.176	12.2	20.0

289136 2004 VN_4 2 13.9 101°.17 3°.5/18.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.37	− 1 46.2	2.881	3.647	10.9	20.9
1 22	10 0.98	− 1 40.2	2.799	3.656	8.7	20.7
2 1	9 55.30	− 1 20.1	2.742	3.664	6.3	20.6
2 11	9 48.82	− 0 47.2	2.712	3.673	4.1	20.5
2 21	9 42.13	− 0 4.1	2.713	3.681	3.6	20.4
3 2	9 35.85	+ 0 45.7	2.743	3.689	5.3	20.6
3 12	9 30.55	+ 1 37.9	2.801	3.698	7.6	20.7
3 22	9 26.65	+ 2 28.7	2.885	3.706	9.9	20.9

290759 2005 UR_{505} 2 13.9 129°.32 0°.7/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.29	+13 54.7	1.686	2.519	14.6	21.1
1 22	10 9.70	+14 14.4	1.620	2.530	10.6	20.8
2 1	10 0.65	+14 42.6	1.579	2.540	6.1	20.6
2 11	9 50.08	+15 13.7	1.565	2.550	1.4	20.3
2 21	9 39.19	+15 41.9	1.580	2.560	3.8	20.5
3 2	9 29.27	+16 2.6	1.623	2.569	8.3	20.8
3 12	9 21.40	+16 12.6	1.692	2.577	12.4	21.0
3 22	9 16.21	+16 11.3	1.783	2.585	15.8	21.3

82469 2001 OL_{20} 2 13.9 55°.22 7°.6/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.15	−11 45.1	2.066	2.791	15.9	18.4
1 22	10 2.68	−11 59.1	2.000	2.812	13.5	18.2
2 1	9 56.42	−11 47.4	1.954	2.832	10.9	18.1
2 11	9 49.09	−11 9.9	1.932	2.853	8.6	18.0
2 21	9 41.52	−10 9.1	1.936	2.874	7.6	18.0
3 2	9 34.61	− 8 50.5	1.967	2.895	8.4	18.1
3 12	9 29.14	− 7 22.0	2.024	2.916	10.3	18.2
3 22	9 25.62	− 5 51.2	2.105	2.937	12.7	18.4

432133 2009 BX_{55} 2 13.9 41°.73 0°.0/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.41	+11 9.7	1.869	2.704	13.3	21.5
1 22	10 3.75	+11 41.4	1.806	2.716	9.7	21.3
2 1	9 57.10	+12 23.7	1.768	2.729	5.6	21.1
2 11	9 49.25	+13 11.9	1.757	2.743	1.3	20.8
2 21	9 41.15	+14 0.1	1.775	2.756	3.1	21.0
3 2	9 33.79	+14 42.9	1.820	2.770	7.2	21.2
3 12	9 28.07	+15 16.4	1.892	2.785	10.9	21.5
3 22	9 24.51	+15 38.3	1.987	2.799	14.0	21.7

372021 2008 OQ_{13} 2 13.9 139°.46 2°.2/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 8.50	+ 2 17.8	2.539	3.326	11.6	21.6
1 22	10 3.39	+ 2 56.8	2.461	3.339	8.9	21.5
2 1	9 56.75	+ 3 50.4	2.409	3.351	5.9	21.3
2 11	9 49.17	+ 4 55.5	2.386	3.362	2.9	21.1
2 21	9 41.34	+ 6 7.7	2.394	3.373	2.8	21.1
3 2	9 34.01	+ 7 21.7	2.432	3.383	5.6	21.3
3 12	9 27.87	+ 8 32.3	2.500	3.393	8.6	21.5
3 22	9 23.38	+ 9 35.6	2.593	3.402	11.2	21.7

115336 2003 SF_{226} 2 13.9 44°.17 3°.9/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.60	+20 2.0	1.331	2.191	16.0	19.3
1 22	10 8.23	+20 52.2	1.280	2.203	11.7	19.1
2 1	9 59.96	+21 46.4	1.252	2.216	7.0	18.8
2 11	9 49.94	+22 35.2	1.250	2.230	3.9	18.7
2 21	9 39.63	+23 10.2	1.273	2.243	6.4	18.9
3 2	9 30.59	+23 26.3	1.322	2.258	10.9	19.2
3 12	9 24.04	+23 22.2	1.394	2.272	15.0	19.4
3 22	9 20.59	+23 0.0	1.484	2.287	18.4	19.7

492625 2014 OJ_{281} 2 13.9 274°.89 5°.0/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.46	+22 13.8	1.495	2.352	14.8	20.6
1 22	10 8.23	+23 25.4	1.425	2.345	10.9	20.3
2 1	10 0.11	+24 40.8	1.378	2.339	7.0	20.1
2 11	9 50.02	+25 49.9	1.358	2.332	5.0	19.9
2 21	9 39.31	+26 43.0	1.364	2.325	7.5	20.0
3 2	9 29.53	+27 13.6	1.396	2.318	11.6	20.3
3 12	9 22.03	+27 19.8	1.451	2.312	15.6	20.5
3 22	9 17.59	+27 3.6	1.525	2.305	19.0	20.7

428453 2007 TY_{425} 2 13.9 16°.71 2°.3/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.52	+18 11.6	2.001	2.846	12.1	20.8
1 22	10 4.57	+18 50.4	1.931	2.847	8.8	20.6
2 1	9 57.61	+19 33.7	1.886	2.850	5.1	20.4
2 11	9 49.39	+20 15.7	1.870	2.852	2.3	20.2
2 21	9 40.86	+20 51.0	1.882	2.854	4.4	20.3
3 2	9 33.02	+21 15.2	1.922	2.857	8.0	20.6
3 12	9 26.77	+21 25.9	1.988	2.860	11.4	20.8
3 22	9 22.70	+21 23.0	2.075	2.864	14.4	21.0

153704 2001 UJ_{53} 2 13.9 56°.53 3°.0/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.68	+ 2 26.5	1.639	2.451	15.9	20.0
1 22	10 4.16	+ 2 54.8	1.575	2.466	12.2	19.8
2 1	9 57.44	+ 3 44.1	1.533	2.480	8.0	19.6
2 11	9 49.36	+ 4 50.3	1.518	2.495	4.0	19.4
2 21	9 40.97	+ 6 6.9	1.530	2.510	3.7	19.4
3 2	9 33.40	+ 7 25.8	1.570	2.526	7.5	19.6
3 12	9 27.63	+ 8 39.4	1.635	2.541	11.5	19.9
3 22	9 24.24	+ 9 42.3	1.723	2.556	15.0	20.2

301033 2008 SB_{266} 2 13.9 300°.62 3°.6/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.34	+ 2 57.2	1.404	2.226	17.6	21.1
1 22	10 5.93	+ 3 5.2	1.324	2.220	13.7	20.8
2 1	9 58.77	+ 3 36.4	1.265	2.214	9.1	20.5
2 11	9 49.72	+ 4 28.3	1.231	2.208	4.7	20.3
2 21	9 40.00	+ 5 34.8	1.222	2.202	4.5	20.2
3 2	9 31.05	+ 6 47.6	1.240	2.197	8.9	20.5
3 12	9 24.18	+ 7 57.6	1.281	2.191	13.7	20.7
3 22	9 20.21	+ 8 57.6	1.344	2.186	17.9	21.0

282315 2002 TD_{132} 2 13.9 76°.91 3°.9/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.54	− 0 32.5	2.189	2.973	13.4	20.0
1 22	10 2.97	− 0 29.4	2.105	2.974	10.6	19.9
2 1	9 56.65	− 0 8.8	2.044	2.975	7.5	19.7
2 11	9 49.18	+ 0 27.8	2.011	2.977	4.7	19.5
2 21	9 41.38	+ 1 17.1	2.005	2.978	4.2	19.5
3 2	9 34.09	+ 2 14.1	2.029	2.980	6.5	19.6
3 12	9 28.12	+ 3 13.3	2.080	2.981	9.7	19.8
3 22	9 24.02	+ 4 9.3	2.155	2.982	12.6	20.0

419908 2011 BB_6 2 13.9 92°.47 1°.0/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.86	+13 27.7	1.847	2.684	13.3	21.7
1 22	10 5.61	+14 11.5	1.782	2.694	9.7	21.4
2 1	9 58.24	+15 4.7	1.742	2.705	5.5	21.2
2 11	9 49.55	+16 1.2	1.730	2.715	1.4	20.9
2 21	9 40.56	+16 54.7	1.746	2.725	3.7	21.1
3 2	9 32.35	+17 39.4	1.791	2.735	7.8	21.4
3 12	9 25.87	+18 11.7	1.862	2.745	11.6	21.7
3 22	9 21.68	+18 30.1	1.955	2.755	14.7	21.9

486858 2014 KK_1 2 13.9 260°.72 0°.2/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.83	+10 2.0	1.604	2.436	15.2	22.8
1 22	10 7.76	+10 52.8	1.505	2.414	11.4	22.5
2 1	9 59.92	+12 1.4	1.431	2.391	6.7	22.2
2 11	9 50.04	+13 22.2	1.382	2.368	1.6	21.8
2 21	9 39.23	+14 46.6	1.363	2.344	3.9	21.9
3 2	9 28.92	+16 5.4	1.371	2.319	9.3	22.1
3 12	9 20.47	+17 11.0	1.405	2.294	14.2	22.3
3 22	9 14.84	+17 59.3	1.459	2.268	18.4	22.5

154803 2004 PS_{88} 2 13.9 172°.41 3°.2/17.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 8.63	− 0 23.8	2.491	3.266	12.2	21.4
1 22	10 3.58	+ 0 3.4	2.403	3.269	9.6	21.2
2 1	9 56.93	+ 0 47.1	2.340	3.272	6.6	21.0
2 11	9 49.25	+ 1 45.2	2.306	3.274	3.9	20.9
2 21	9 41.26	+ 2 53.8	2.301	3.276	3.4	20.8
3 2	9 33.73	+ 4 7.7	2.327	3.277	5.9	21.0
3 12	9 27.38	+ 5 21.2	2.382	3.278	8.8	21.2
3 22	9 22.72	+ 6 29.7	2.462	3.278	11.6	21.3

322709 2000 FB_{2} 2 13.9 277°.64 2°.0/15.4 17

1 12	10 9.49	+ 5 48.6	1.766	2.585	14.6	21.5
1 22	10 4.91	+ 6 9.7	1.675	2.573	11.1	21.3
2 1	9 58.03	+ 6 48.1	1.607	2.560	7.1	21.0
2 11	9 49.56	+ 7 40.6	1.566	2.547	2.9	20.7
2 21	9 40.49	+ 8 41.5	1.553	2.535	3.3	20.7
3 2	9 31.97	+ 9 44.2	1.568	2.522	7.7	20.9
3 12	9 25.11	+10 42.0	1.608	2.509	12.0	21.2
3 22	9 20.64	+11 30.0	1.671	2.496	15.7	21.4

147174 2002 VU_{36} 2 13.9 49°.56 7°.8/18.9 18

1 12	10 13.55	− 4 39.6	1.448	2.230	19.1	19.0
1 22	10 7.83	− 5 35.4	1.396	2.254	15.6	18.8
2 1	9 59.60	− 6 4.8	1.364	2.279	11.9	18.7
2 11	9 49.87	− 6 6.6	1.355	2.304	8.7	18.6
2 21	9 39.91	− 5 43.3	1.372	2.330	7.8	18.6
3 2	9 31.04	− 5 0.9	1.414	2.356	9.7	18.7
3 12	9 24.33	− 4 8.0	1.480	2.382	12.8	19.0
3 22	9 20.39	− 3 13.0	1.568	2.408	15.9	19.2

201957 2004 ME_{7} 2 13.9 211°.15 0°.3/14.2 18

1 12	10 13.14	+ 9 23.5	1.876	2.697	13.8	21.5
1 22	10 7.45	+10 4.7	1.788	2.691	10.3	21.3
2 1	9 59.46	+11 0.0	1.725	2.683	6.1	21.0
2 11	9 49.90	+12 4.5	1.690	2.675	1.6	20.7
2 21	9 39.77	+13 11.6	1.684	2.666	3.2	20.8
3 2	9 30.23	+14 14.5	1.708	2.656	7.8	21.0
3 12	9 22.36	+15 7.6	1.758	2.645	11.9	21.3
3 22	9 16.89	+15 47.6	1.831	2.634	15.5	21.5

62558 2000 SD_{268} 2 13.9 100°.50 0°.4/14.2 18

1 12	10 12.98	+ 9 19.8	1.622	2.451	15.2	20.3
1 22	10 7.32	+10 1.5	1.561	2.468	11.2	20.1
2 1	9 59.30	+10 57.8	1.525	2.484	6.6	19.9
2 11	9 49.83	+12 2.4	1.515	2.500	1.7	19.6
2 21	9 40.06	+13 8.0	1.534	2.516	3.4	19.8
3 2	9 31.23	+14 7.5	1.581	2.532	8.1	20.1
3 12	9 24.38	+14 55.5	1.654	2.547	12.2	20.4
3 22	9 20.12	+15 29.4	1.749	2.561	15.7	20.6

400807 2010 GN_{115} 2 13.9 233°.56 1°.4/12.8 18

1 12	10 12.06	+13 23.2	1.732	2.570	14.0	21.5
1 22	10 6.88	+14 24.8	1.648	2.561	10.3	21.3
2 1	9 59.23	+15 39.1	1.587	2.550	5.9	21.0
2 11	9 49.87	+16 59.0	1.555	2.540	1.7	20.7
2 21	9 39.87	+18 16.3	1.551	2.529	4.3	20.9
3 2	9 30.50	+19 23.0	1.576	2.517	8.9	21.1
3 12	9 22.93	+20 13.9	1.626	2.505	13.2	21.3
3 22	9 17.94	+20 46.7	1.697	2.492	16.8	21.5

10565 1994 AT_{1} 2 13.9 88°.90 7°.3/ 8.0 18

1 12	10 16.83	+31 50.2	1.862	2.705	13.0	16.9
1 22	10 10.04	+33 14.0	1.826	2.728	10.1	16.7
2 1	10 0.81	+34 28.9	1.815	2.751	7.9	16.7
2 11	9 50.16	+35 25.7	1.831	2.774	7.4	16.7
2 21	9 39.38	+35 58.3	1.875	2.796	9.0	16.8
3 2	9 29.77	+36 4.5	1.944	2.818	11.5	17.0
3 12	9 22.35	+35 46.4	2.037	2.839	14.0	17.2
3 22	9 17.65	+35 8.4	2.148	2.860	16.2	17.4

29348 Criswick 2 13.9 333°.39 1°.9/12.8 18

1 12	10 10.65	+16 12.2	1.456	2.311	15.2	18.3
1 22	10 6.16	+16 39.9	1.379	2.300	11.2	18.0
2 1	9 58.92	+17 16.2	1.325	2.290	6.5	17.7
2 11	9 49.80	+17 54.4	1.296	2.281	2.2	17.4
2 21	9 40.08	+18 27.4	1.294	2.272	4.8	17.6
3 2	9 31.20	+18 48.9	1.318	2.264	9.8	17.8
3 12	9 24.45	+18 55.4	1.365	2.257	14.3	18.1
3 22	9 20.61	+18 46.4	1.432	2.250	18.2	18.3

114449 2003 AJ_{22} 2 13.9 31°.78 8°.4/20.0 18

1 12	10 9.35	− 7 36.4	1.556	2.325	18.6	19.1
1 22	10 4.88	− 8 20.0	1.485	2.331	15.5	18.9
2 1	9 58.01	− 8 35.9	1.434	2.339	12.3	18.8
2 11	9 49.57	− 8 22.4	1.406	2.346	9.5	18.6
2 21	9 40.67	− 7 41.3	1.402	2.355	8.4	18.6
3 2	9 32.55	− 6 38.6	1.424	2.363	9.9	18.7
3 12	9 26.33	− 5 23.4	1.470	2.372	12.8	18.9
3 22	9 22.69	− 4 4.9	1.537	2.382	15.9	19.1

496592 2015 BT_{365} 2 13.9 207°.42 5°.8/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 11.56	+27 59.4	2.155	3.000	11.3	21.4
1 22	10 6.18	+29 25.8	2.088	2.997	8.6	21.2
2 1	9 58.65	+30 50.1	2.048	2.994	6.4	21.0
2 11	9 49.71	+32 3.8	2.037	2.991	5.9	21.0
2 21	9 40.33	+33 0.1	2.054	2.987	7.6	21.1
3 2	9 31.62	+33 34.7	2.098	2.983	10.2	21.2
3 12	9 24.56	+33 46.8	2.166	2.979	12.9	21.4
3 22	9 19.78	+33 38.3	2.254	2.975	15.3	21.6

498072 2007 RX_{167} 2 13.9 130°.17 1°.4/15.4 17

1 12	10 7.46	+ 5 45.6	2.371	3.178	11.7	21.4
1 22	10 2.78	+ 6 25.1	2.293	3.185	8.8	21.2
2 1	9 56.49	+ 7 17.8	2.241	3.192	5.5	21.0
2 11	9 49.19	+ 8 20.1	2.217	3.199	2.1	20.8
2 21	9 41.60	+ 9 27.2	2.223	3.205	2.5	20.8
3 2	9 34.52	+10 33.6	2.260	3.211	5.9	21.1
3 12	9 28.68	+11 34.6	2.324	3.217	9.1	21.3
3 22	9 24.58	+12 26.6	2.413	3.223	11.9	21.5

457722 2009 FD_{63} 2 13.9 329°.65 0°.9/13.4 16

1 12	10 8.79	+12 29.6	1.300	2.156	16.6	20.8
1 22	10 5.07	+13 7.0	1.222	2.143	12.3	20.5
2 1	9 58.42	+14 0.1	1.165	2.131	7.2	20.2
2 11	9 49.72	+15 1.8	1.134	2.119	1.7	19.8
2 21	9 40.27	+16 3.4	1.127	2.109	4.5	20.0
3 2	9 31.65	+16 55.9	1.146	2.099	10.1	20.3
3 12	9 25.28	+17 32.9	1.188	2.090	15.2	20.5
3 22	9 22.02	+17 51.6	1.248	2.081	19.5	20.8

340715 2006 SE_{58} 2 13.9 193°.95 3°.2/17.5 17

1 12	10 6.97	− 0 32.0	2.709	3.482	11.4	21.7
1 22	10 2.30	− 0 18.4	2.617	3.481	9.0	21.5
2 1	9 56.18	+ 0 10.0	2.550	3.479	6.3	21.3
2 11	9 49.12	+ 0 51.7	2.510	3.476	3.9	21.2
2 21	9 41.76	+ 1 43.5	2.501	3.474	3.5	21.1
3 2	9 34.80	+ 2 41.5	2.522	3.471	5.5	21.3
3 12	9 28.88	+ 3 41.0	2.571	3.467	8.2	21.4
3 22	9 24.48	+ 4 37.7	2.646	3.464	10.8	21.6

81163 2000 ER_{158} 2 13.9 231°.05 6°.6/19.6 18

1 12	10 9.87	− 7 33.4	2.124	2.868	15.0	19.3
1 22	10 4.88	− 7 50.6	2.026	2.858	12.5	19.1
2 1	9 57.90	− 7 45.7	1.950	2.848	9.8	18.9
2 11	9 49.56	− 7 17.8	1.899	2.838	7.5	18.7
2 21	9 40.69	− 6 28.5	1.875	2.827	6.6	18.6
3 2	9 32.26	− 5 22.4	1.879	2.815	8.1	18.7
3 12	9 25.20	− 4 6.2	1.910	2.804	10.8	18.8
3 22	9 20.17	− 2 47.1	1.965	2.791	13.7	19.0

342887 2008 YT_{84} 2 13.9 64°.98 4°.3/17.4 18

1 12	10 9.72	− 0 2.3	2.139	2.922	13.6	20.2
1 22	10 4.53	− 0 22.8	2.064	2.932	10.8	20.0
2 1	9 57.55	− 0 27.2	2.012	2.942	7.7	19.8
2 11	9 49.44	− 0 16.2	1.987	2.952	5.0	19.7
2 21	9 41.04	+ 0 7.6	1.991	2.961	4.5	19.6
3 2	9 33.26	+ 0 40.3	2.024	2.971	6.8	19.8
3 12	9 26.88	+ 1 16.9	2.083	2.981	9.8	20.0
3 22	9 22.46	+ 1 52.8	2.166	2.991	12.6	20.2

368598 2004 RE_{105} 2 13.9 138°.71 0°.1/14.0 16

1 12	10 13.86	+12 29.4	2.209	3.029	12.0	20.9
1 22	10 7.49	+12 33.9	2.135	3.037	8.8	20.7
2 1	9 59.24	+12 45.4	2.087	3.045	5.2	20.4
2 11	9 49.84	+13 0.4	2.068	3.053	1.2	20.2
2 21	9 40.17	+13 15.3	2.079	3.060	2.8	20.3
3 2	9 31.19	+13 26.8	2.121	3.067	6.6	20.6
3 12	9 23.74	+13 32.4	2.190	3.074	10.0	20.8
3 22	9 18.36	+13 30.8	2.283	3.080	12.9	21.0

263700 2008 HR_{13} 2 13.9 268°.85 1°.4/15.0 16

1 12	10 10.45	+ 7 38.1	1.805	2.627	14.2	21.2
1 22	10 5.53	+ 7 54.3	1.719	2.619	10.7	20.9
2 1	9 58.37	+ 8 25.0	1.656	2.611	6.6	20.7
2 11	9 49.68	+ 9 6.9	1.620	2.603	2.4	20.4
2 21	9 40.46	+ 9 54.6	1.613	2.595	3.2	20.4
3 2	9 31.85	+10 42.3	1.633	2.587	7.6	20.7
3 12	9 24.91	+11 24.4	1.680	2.578	11.7	20.9
3 22	9 20.32	+11 57.1	1.749	2.570	15.3	21.1

296959 2010 ES_{42} 2 13.9 308°.30 0°.7/13.5 18

1 12	10 11.11	+11 33.9	1.357	2.205	16.5	20.7
1 22	10 6.63	+12 19.8	1.283	2.200	12.2	20.4
2 1	9 59.26	+13 22.1	1.231	2.195	7.1	20.1
2 11	9 49.91	+14 33.5	1.204	2.190	1.6	19.7
2 21	9 39.91	+15 44.7	1.204	2.185	4.3	19.9
3 2	9 30.78	+16 46.8	1.230	2.180	9.8	20.2
3 12	9 23.89	+17 33.2	1.279	2.176	14.7	20.4
3 22	9 20.05	+18 1.1	1.348	2.172	18.9	20.7

410028 2006 XX_{20} 2 13.9 99°.09 5°.9/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 11.43	− 5 10.3	1.921	2.683	15.7	20.7
1 22	10 5.91	− 5 21.4	1.853	2.702	12.8	20.6
2 1	9 58.39	− 5 9.8	1.808	2.720	9.6	20.4
2 11	9 49.65	− 4 36.3	1.788	2.739	6.8	20.3
2 21	9 40.64	− 3 44.2	1.796	2.757	6.0	20.2
3 2	9 32.37	− 2 39.4	1.831	2.774	7.8	20.4
3 12	9 25.73	− 1 29.0	1.894	2.792	10.6	20.6
3 22	9 21.28	− 0 19.8	1.980	2.808	13.5	20.8

325648 2009 SM_{328} 2 13.9 145°.49 1°.6/12.7 18

1 12	10 14.40	+17 26.3	2.334	3.162	11.2	21.6
1 22	10 7.81	+17 49.1	2.264	3.172	8.1	21.5
2 1	9 59.40	+18 15.3	2.221	3.182	4.7	21.3
2 11	9 49.88	+18 40.4	2.207	3.191	1.7	21.1
2 21	9 40.13	+19 0.3	2.224	3.199	3.5	21.2
3 2	9 31.09	+19 11.8	2.272	3.207	6.9	21.4
3 12	9 23.54	+19 13.3	2.347	3.215	10.1	21.6
3 22	9 18.02	+19 4.6	2.445	3.222	12.8	21.8

177770 2005 JE_{163} 2 13.9 144°.70 0°.5/14.4 18

1 12	10 11.80	+ 9 34.5	1.921	2.744	13.5	21.3
1 22	10 6.28	+10 6.2	1.848	2.751	10.0	21.1
2 1	9 58.67	+10 50.2	1.800	2.758	5.9	20.8
2 11	9 49.74	+11 41.7	1.779	2.764	1.6	20.6
2 21	9 40.45	+12 35.2	1.788	2.770	3.0	20.7
3 2	9 31.87	+13 24.8	1.826	2.775	7.2	21.0
3 12	9 24.94	+14 5.8	1.890	2.780	11.1	21.2
3 22	9 20.25	+14 35.8	1.978	2.785	14.3	21.4

94793 2001 XC_{149} 2 13.9 308°.00 0°.2/13.8 17

1 12	10 8.86	+11 10.3	1.678	2.517	14.3	19.5
1 22	10 4.59	+11 46.4	1.591	2.503	10.6	19.3
2 1	9 57.93	+12 36.3	1.527	2.489	6.2	19.0
2 11	9 49.61	+13 34.8	1.490	2.476	1.4	18.6
2 21	9 40.68	+14 34.8	1.481	2.462	3.6	18.8
3 2	9 32.36	+15 29.4	1.499	2.449	8.4	19.0
3 12	9 25.79	+16 12.9	1.542	2.437	12.8	19.2
3 22	9 21.73	+16 42.0	1.606	2.424	16.6	19.4

279689 2011 FT_{40} 2 13.9 194°.96 1°.4/15.2 17

1 12	10 9.84	+ 7 16.1	2.245	3.056	12.2	21.4
1 22	10 4.65	+ 7 32.1	2.160	3.055	9.2	21.2
2 1	9 57.66	+ 7 59.9	2.100	3.053	5.7	21.0
2 11	9 49.51	+ 8 36.6	2.069	3.051	2.2	20.8
2 21	9 40.99	+ 9 18.1	2.067	3.049	2.7	20.8
3 2	9 33.00	+ 9 59.9	2.095	3.046	6.3	21.0
3 12	9 26.35	+10 37.6	2.151	3.044	9.8	21.2
3 22	9 21.62	+11 8.2	2.230	3.041	12.8	21.4

30331 2000 JT_{26} 2 13.9 147°.31 3°.0/11.1 18

1 12	10 11.45	+22 15.8	2.566	3.402	10.1	19.0
1 22	10 5.61	+22 54.8	2.498	3.408	7.3	18.8
2 1	9 58.11	+23 34.1	2.457	3.415	4.6	18.6
2 11	9 49.59	+24 8.7	2.446	3.421	3.0	18.5
2 21	9 40.84	+24 34.5	2.464	3.427	4.5	18.6
3 2	9 32.70	+24 48.5	2.513	3.432	7.2	18.8
3 12	9 25.91	+24 49.7	2.588	3.437	9.9	19.0
3 22	9 20.96	+24 38.5	2.686	3.442	12.3	19.2

428874 2008 UG_{220} 2 13.9 39°.80 0°.4/13.7 18

1 12	10 9.83	+12 44.2	1.792	2.631	13.6	21.3
1 22	10 4.90	+13 9.2	1.729	2.641	9.9	21.0
2 1	9 57.87	+13 43.7	1.690	2.652	5.7	20.8
2 11	9 49.55	+14 22.5	1.678	2.664	1.3	20.5
2 21	9 40.95	+15 0.0	1.695	2.676	3.3	20.7
3 2	9 33.17	+15 31.4	1.739	2.688	7.6	21.0
3 12	9 27.11	+15 52.9	1.810	2.701	11.4	21.2
3 22	9 23.36	+16 3.0	1.902	2.714	14.6	21.5

132614 2002 KN_{15} 2 13.9 256°.77 1°.0/14.7 16

1 12	10 11.75	+ 8 20.7	1.823	2.645	14.1	20.8
1 22	10 6.59	+ 8 44.6	1.728	2.629	10.6	20.6
2 1	9 59.07	+ 9 23.1	1.656	2.612	6.5	20.3
2 11	9 49.89	+10 12.6	1.611	2.595	2.1	20.0
2 21	9 40.04	+11 7.3	1.595	2.578	3.2	20.0
3 2	9 30.71	+12 1.0	1.608	2.560	7.8	20.2
3 12	9 23.02	+12 47.8	1.647	2.541	12.2	20.4
3 22	9 17.75	+13 23.9	1.708	2.523	15.9	20.6

126990 2002 FB_{32} 2 13.9 274°.38 2°.8/11.6 18

1 12	10 10.17	+18 17.9	1.922	2.768	12.5	20.1
1 22	10 5.27	+19 14.5	1.845	2.762	9.1	19.8
2 1	9 58.19	+20 17.2	1.793	2.755	5.4	19.6
2 11	9 49.66	+21 19.0	1.768	2.749	2.8	19.4
2 21	9 40.67	+22 13.0	1.773	2.743	4.9	19.6
3 2	9 32.33	+22 53.8	1.805	2.737	8.7	19.8
3 12	9 25.64	+23 18.2	1.863	2.731	12.3	20.0
3 22	9 21.26	+23 25.8	1.942	2.725	15.4	20.2

217041 2001 QH_{114} 2 13.9 212°.38 2°.2/15.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 11.64	+ 4 49.8	2.286	3.083	12.4	21.8
1 22	10 6.00	+ 4 58.9	2.192	3.076	9.5	21.6
2 1	9 58.50	+ 5 21.2	2.122	3.068	6.2	21.3
2 11	9 49.75	+ 5 54.6	2.081	3.060	2.9	21.1
2 21	9 40.56	+ 6 35.4	2.070	3.050	3.0	21.1
3 2	9 31.83	+ 7 19.2	2.090	3.040	6.4	21.3
3 12	9 24.43	+ 8 1.4	2.137	3.030	9.8	21.5
3 22	9 18.95	+ 8 38.1	2.208	3.019	12.9	21.7

264267 1995 SC_{33} 2 13.9 199°.89 1°.0/14.8 17

1 12	10 11.77	+ 7 37.7	2.083	2.895	13.0	22.1
1 22	10 6.25	+ 8 12.3	1.996	2.892	9.7	21.8
2 1	9 58.70	+ 9 0.6	1.933	2.888	5.9	21.6
2 11	9 49.80	+ 9 58.7	1.899	2.883	1.9	21.3
2 21	9 40.45	+11 1.0	1.895	2.877	2.8	21.4
3 2	9 31.64	+12 1.7	1.921	2.871	6.9	21.6
3 12	9 24.30	+12 55.5	1.974	2.864	10.7	21.8
3 22	9 19.08	+13 38.9	2.051	2.856	13.9	22.0

271211 2003 SY_{428} 2 13.9 268°.85 1°.7/15.4 17

1 12	10 9.28	+ 6 20.9	2.090	2.902	12.9	21.0
1 22	10 4.49	+ 6 36.6	1.994	2.888	9.8	20.7
2 1	9 57.71	+ 7 6.1	1.922	2.873	6.2	20.5
2 11	9 49.59	+ 7 46.8	1.877	2.859	2.6	20.2
2 21	9 40.94	+ 8 34.4	1.862	2.844	3.0	20.2
3 2	9 32.76	+ 9 23.5	1.876	2.828	6.8	20.4
3 12	9 25.96	+10 9.2	1.916	2.813	10.6	20.6
3 22	9 21.20	+10 47.5	1.980	2.798	13.9	20.8

209209 Ericmarsh 2 13.9 47°.99 1°.1/14.8 18

1 12	10 9.59	+ 7 5.7	1.431	2.266	16.6	20.2
1 22	10 5.21	+ 7 50.3	1.366	2.275	12.3	20.0
2 1	9 58.29	+ 8 54.6	1.324	2.283	7.5	19.7
2 11	9 49.72	+10 12.3	1.308	2.292	2.3	19.4
2 21	9 40.73	+11 34.8	1.318	2.301	3.5	19.5
3 2	9 32.66	+12 52.9	1.355	2.310	8.6	19.9
3 12	9 26.64	+13 59.0	1.417	2.320	13.1	20.2
3 22	9 23.36	+14 48.9	1.500	2.330	17.0	20.4

89209 2001 UU_{106} 2 13.9 313°.40 3°.1/16.1 18

1 12	10 8.37	+ 4 5.4	1.597	2.418	15.8	19.2
1 22	10 4.35	+ 4 11.1	1.506	2.402	12.3	18.9
2 1	9 57.87	+ 4 36.2	1.437	2.387	8.1	18.6
2 11	9 49.66	+ 5 18.7	1.393	2.371	4.0	18.4
2 21	9 40.76	+ 6 13.7	1.375	2.356	4.0	18.3
3 2	9 32.44	+ 7 14.3	1.385	2.342	8.2	18.5
3 12	9 25.89	+ 8 13.0	1.419	2.328	12.7	18.7
3 22	9 21.91	+ 9 3.8	1.475	2.314	16.7	19.0

13232 1998 FM_{54} 2 13.9 183°.51 1°.3/13.0 18

1 12	10 14.72	+15 14.5	2.064	2.892	12.4	18.6
1 22	10 8.38	+15 46.7	1.985	2.893	9.1	18.4
2 1	9 59.93	+16 25.5	1.932	2.893	5.2	18.2
2 11	9 50.10	+17 5.8	1.908	2.893	1.5	17.9
2 21	9 39.87	+17 42.1	1.914	2.892	3.6	18.1
3 2	9 30.33	+18 10.1	1.950	2.890	7.6	18.3
3 12	9 22.42	+18 26.7	2.012	2.887	11.2	18.5
3 22	9 16.78	+18 31.3	2.098	2.883	14.3	18.7

220549 2004 GH_{8} 2 13.9 334°.70 0°.5/14.3 18

1 12	10 7.98	+ 9 22.2	1.438	2.282	16.0	20.0
1 22	10 4.22	+ 9 55.4	1.358	2.272	11.9	19.8
2 1	9 57.84	+10 46.1	1.301	2.263	7.1	19.5
2 11	9 49.66	+11 48.8	1.269	2.255	1.9	19.1
2 21	9 40.84	+12 55.8	1.264	2.247	3.7	19.2
3 2	9 32.77	+13 58.7	1.285	2.240	9.0	19.5
3 12	9 26.70	+14 50.3	1.329	2.233	13.7	19.8
3 22	9 23.41	+15 26.5	1.394	2.228	17.8	20.0

307348 2002 RS_{155} 2 13.9 123°.26 0°.9/13.4 18

1 12	10 15.55	+14 34.1	1.919	2.749	13.2	21.1
1 22	10 8.95	+14 53.5	1.854	2.762	9.6	20.9
2 1	10 0.20	+15 19.7	1.814	2.775	5.5	20.7
2 11	9 50.15	+15 47.6	1.803	2.788	1.4	20.4
2 21	9 39.84	+16 12.3	1.821	2.800	3.5	20.6
3 2	9 30.40	+16 29.7	1.869	2.812	7.6	20.8
3 12	9 22.77	+16 37.4	1.943	2.824	11.3	21.1
3 22	9 17.51	+16 34.8	2.040	2.834	14.4	21.3

522248 2016 AJ_{273} 2 13.9 310°.60 9°.1/20.6 16

1 12	10 9.81	−10 16.0	1.738	2.482	17.8	21.3
1 22	10 5.21	−11 5.4	1.653	2.478	15.2	21.1
2 1	9 58.29	−11 28.3	1.587	2.473	12.5	20.9
2 11	9 49.76	−11 21.9	1.544	2.469	10.1	20.8
2 21	9 40.64	−10 46.7	1.526	2.465	9.1	20.7
3 2	9 32.10	− 9 46.8	1.533	2.462	10.2	20.7
3 12	9 25.26	− 8 30.4	1.565	2.458	12.7	20.9
3 22	9 20.86	− 7 6.8	1.618	2.454	15.6	21.1

173129 1994 JH_2 2 13.9 181°.28 7°.5/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 17.98	+34 37.5	2.183	3.013	11.8	20.3
1 22	10 10.96	+36 2.0	2.124	3.015	9.5	20.2
2 1	10 1.50	+37 18.0	2.092	3.015	7.8	20.1
2 11	9 50.47	+38 16.6	2.088	3.015	7.7	20.0
2 21	9 39.05	+38 51.5	2.112	3.015	9.2	20.1
3 2	9 28.50	+39 0.0	2.162	3.013	11.4	20.3
3 12	9 19.90	+38 43.5	2.235	3.011	13.7	20.4
3 22	9 13.93	+38 6.0	2.327	3.008	15.8	20.6

264714 2002 BJ_5 2 13.9 31°.52 10°.1/ 6.9 18

1 12	10 17.69	+37 30.7	1.595	2.438	14.8	20.0
1 22	10 11.31	+38 47.8	1.552	2.445	12.2	19.8
2 1	10 1.85	+39 50.1	1.531	2.452	10.4	19.7
2 11	9 50.54	+40 26.9	1.536	2.459	10.2	19.7
2 21	9 39.00	+40 31.5	1.564	2.467	11.8	19.8
3 2	9 28.88	+40 2.9	1.617	2.476	14.2	20.0
3 12	9 21.45	+39 5.3	1.689	2.484	16.7	20.2
3 22	9 17.31	+37 45.6	1.780	2.494	19.0	20.4

110709 2001 TK_{226} 2 13.9 57°.28 6°.0/ 8.9 18

1 12	10 11.36	+24 23.4	1.578	2.437	14.0	19.2
1 22	10 6.46	+26 7.1	1.530	2.450	10.4	19.0
2 1	9 58.98	+27 50.8	1.508	2.463	7.1	18.9
2 11	9 49.89	+29 23.1	1.512	2.477	6.1	18.8
2 21	9 40.47	+30 34.7	1.543	2.491	8.2	19.0
3 2	9 32.06	+31 20.0	1.601	2.506	11.6	19.2
3 12	9 25.79	+31 38.2	1.680	2.520	14.8	19.5
3 22	9 22.30	+31 32.3	1.779	2.534	17.6	19.7

463273 2012 GU_{37} 2 13.9 244°.99 6°.7/ 7.4 17

1 12	10 14.86	+31 54.3	2.248	3.085	11.3	21.8
1 22	10 8.74	+33 13.8	2.170	3.069	8.9	21.6
2 1	10 0.28	+34 28.5	2.118	3.052	7.1	21.5
2 11	9 50.22	+35 30.1	2.094	3.034	6.8	21.4
2 21	9 39.60	+36 11.8	2.098	3.016	8.4	21.5
3 2	9 29.59	+36 29.7	2.130	2.997	10.9	21.6
3 12	9 21.29	+36 23.7	2.185	2.978	13.5	21.7
3 22	9 15.41	+35 56.6	2.259	2.959	15.8	21.9

201944 2004 GW_{19} 2 13.9 259°.88 5°.2/17.5 17

1 12	10 12.21	− 1 11.6	1.650	2.441	16.7	21.1
1 22	10 7.24	− 1 16.8	1.548	2.421	13.5	20.8
2 1	9 59.65	− 0 58.7	1.468	2.401	9.7	20.6
2 11	9 50.13	− 0 17.1	1.413	2.380	6.2	20.3
2 21	9 39.74	+ 0 44.6	1.385	2.358	5.5	20.2
3 2	9 29.80	+ 1 59.9	1.384	2.336	8.8	20.3
3 12	9 21.60	+ 3 19.9	1.409	2.314	13.1	20.5
3 22	9 16.07	+ 4 36.5	1.456	2.290	17.2	20.7

302081 2000 WC_{180} 2 13.9 94°.08 2°.9/11.8 18

1 12	10 15.49	+17 36.7	1.649	2.492	14.4	21.3
1 22	10 9.13	+18 46.4	1.602	2.517	10.3	21.1
2 1	10 0.37	+20 1.6	1.580	2.542	6.0	20.9
2 11	9 50.20	+21 13.5	1.585	2.567	3.0	20.8
2 21	9 39.85	+22 14.2	1.620	2.591	5.3	21.0
3 2	9 30.58	+22 58.1	1.683	2.614	9.3	21.2
3 12	9 23.43	+23 23.1	1.770	2.637	12.9	21.5
3 22	9 18.95	+23 30.0	1.878	2.659	15.9	21.8

217071 2001 SN_{142} 2 13.9 223°.64 1°.4/15.2 17

1 12	10 11.71	+ 7 18.2	2.210	3.018	12.5	21.6
1 22	10 6.15	+ 7 34.3	2.115	3.008	9.4	21.3
2 1	9 58.65	+ 8 2.7	2.045	2.998	5.9	21.1
2 11	9 49.84	+ 8 40.3	2.004	2.986	2.2	20.8
2 21	9 40.54	+ 9 23.2	1.993	2.975	2.8	20.9
3 2	9 31.73	+10 6.5	2.012	2.962	6.6	21.1
3 12	9 24.28	+10 45.8	2.058	2.949	10.2	21.3
3 22	9 18.83	+11 17.6	2.129	2.936	13.4	21.5

129038 2004 UY_4 2 13.9 143°.65 1°.6/15.2 18 R

1 12	10 15.03	+ 8 10.1	2.408	3.208	11.8	20.4
1 22	10 8.23	+ 7 54.5	2.330	3.218	8.9	20.2
2 1	9 59.67	+ 7 47.5	2.277	3.227	5.5	20.0
2 11	9 50.04	+ 7 47.2	2.255	3.236	2.3	19.8
2 21	9 40.16	+ 7 51.2	2.264	3.244	2.7	19.8
3 2	9 30.90	+ 7 56.8	2.303	3.252	6.0	20.0
3 12	9 23.05	+ 8 1.2	2.371	3.259	9.2	20.3
3 22	9 17.13	+ 8 2.5	2.464	3.266	12.0	20.5

163524 2002 TA_{25} 2 13.9 125°.34 0°.3/13.7 17

1 12	10 9.41	+12 5.8	2.525	3.346	10.7	21.1
1 22	10 4.12	+12 40.2	2.455	3.359	7.8	20.9
2 1	9 57.27	+13 22.1	2.411	3.371	4.5	20.7
2 11	9 49.48	+14 7.5	2.397	3.383	1.0	20.5
2 21	9 41.47	+14 52.0	2.414	3.395	2.6	20.6
3 2	9 34.00	+15 31.8	2.461	3.406	5.9	20.9
3 12	9 27.78	+16 3.7	2.536	3.417	9.0	21.1
3 22	9 23.27	+16 26.0	2.635	3.427	11.5	21.3

222588 2001 WX_{46} 2 13.9 165°.64 3°.3/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 10.94	+ 1 44.3	2.184	2.973	13.2	20.7
1 22	10 5.50	+ 1 45.4	2.102	2.977	10.3	20.5
2 1	9 58.20	+ 2 2.1	2.043	2.980	7.1	20.3
2 11	9 49.72	+ 2 32.7	2.011	2.983	4.1	20.2
2 21	9 40.88	+ 3 13.9	2.009	2.985	3.7	20.1
3 2	9 32.60	+ 4 0.9	2.037	2.987	6.5	20.3
3 12	9 25.71	+ 4 48.6	2.092	2.989	9.8	20.5
3 22	9 20.79	+ 5 32.5	2.171	2.990	12.8	20.7

162721 2000 UC_{114} 2 13.9 60°.41 0°.3/14.2 18

1 12	10 12.27	+ 9 47.7	1.368	2.209	16.8	19.7
1 22	10 7.17	+10 23.7	1.313	2.225	12.4	19.5
2 1	9 59.41	+11 15.7	1.280	2.241	7.3	19.2
2 11	9 50.01	+12 16.9	1.273	2.258	1.8	18.9
2 21	9 40.30	+13 19.0	1.292	2.275	3.7	19.1
3 2	9 31.69	+14 14.1	1.338	2.291	8.9	19.4
3 12	9 25.34	+14 56.6	1.408	2.308	13.4	19.7
3 22	9 21.86	+15 23.7	1.499	2.325	17.2	20.0

166987 2003 OW_{28} 2 13.9 191°.25 1°.1/13.2 18

1 12	10 14.19	+14 13.7	1.887	2.718	13.3	20.7
1 22	10 8.20	+14 49.0	1.808	2.717	9.7	20.5
2 1	9 59.92	+15 32.8	1.754	2.716	5.6	20.2
2 11	9 50.14	+16 19.7	1.729	2.714	1.5	20.0
2 21	9 39.91	+17 3.4	1.732	2.711	3.8	20.1
3 2	9 30.38	+17 38.7	1.765	2.708	8.0	20.4
3 12	9 22.61	+18 2.1	1.824	2.704	11.9	20.6
3 22	9 17.26	+18 12.3	1.906	2.699	15.3	20.8

242405 2004 FY_{136} 2 14.0 235°.83 5°.8/ 6.8 17

1 12	10 10.35	+31 53.2	2.676	3.513	9.7	20.6
1 22	10 5.10	+33 16.4	2.605	3.503	7.6	20.4
2 1	9 58.01	+34 35.3	2.561	3.493	6.1	20.3
2 11	9 49.69	+35 43.1	2.546	3.483	6.0	20.3
2 21	9 40.96	+36 34.3	2.561	3.472	7.4	20.4
3 2	9 32.72	+37 5.5	2.602	3.462	9.4	20.5
3 12	9 25.81	+37 16.1	2.667	3.450	11.6	20.6
3 22	9 20.83	+37 7.9	2.753	3.439	13.5	20.8

522212 2016 AO_{263} 2 14.0 292°.05 0°.1/14.0 17

1 12	10 14.47	+13 12.3	1.774	2.606	14.0	21.0
1 22	10 8.62	+13 5.2	1.683	2.592	10.4	20.8
2 1	10 0.29	+13 5.5	1.617	2.577	6.2	20.5
2 11	9 50.26	+13 9.8	1.577	2.563	1.5	20.1
2 21	9 39.63	+13 14.0	1.567	2.549	3.4	20.2
3 2	9 29.66	+13 14.4	1.585	2.534	8.1	20.5
3 12	9 21.50	+13 8.1	1.628	2.520	12.4	20.7
3 22	9 15.93	+12 53.9	1.694	2.506	16.1	20.9

363837 2005 QN_{10} 2 14.0 129°.67 1°.0/15.1 18

1 12	10 10.39	+ 6 9.0	2.288	3.093	12.2	21.5
1 22	10 4.96	+ 7 3.2	2.217	3.109	9.1	21.3
2 1	9 57.82	+ 8 11.1	2.173	3.125	5.5	21.1
2 11	9 49.63	+ 9 28.0	2.157	3.140	1.9	20.9
2 21	9 41.18	+10 48.2	2.173	3.155	2.5	21.0
3 2	9 33.33	+12 5.5	2.219	3.169	6.1	21.2
3 12	9 26.83	+13 14.8	2.294	3.182	9.5	21.4
3 22	9 22.20	+14 12.9	2.394	3.195	12.3	21.7

238571 2004 XE_{87} 2 14.0 200°.50 3°.6/11.2 18

1 12	10 13.79	+19 28.4	1.741	2.586	13.6	20.5
1 22	10 8.17	+20 38.9	1.668	2.584	9.9	20.2
2 1	10 0.02	+21 55.3	1.620	2.581	6.0	20.0
2 11	9 50.20	+23 9.1	1.599	2.578	3.6	19.8
2 21	9 39.84	+24 11.7	1.608	2.574	5.9	20.0
3 2	9 30.26	+24 56.8	1.644	2.570	9.9	20.2
3 12	9 22.61	+25 21.7	1.705	2.565	13.7	20.4
3 22	9 17.63	+25 26.7	1.786	2.560	16.9	20.6

314964 2006 WF_{192} 2 14.0 166°.30 1°.9/12.3 18

1 12	10 12.65	+16 33.1	2.150	2.983	11.8	21.0
1 22	10 6.81	+17 22.4	2.077	2.988	8.6	20.8
2 1	9 59.00	+18 17.7	2.030	2.992	5.0	20.5
2 11	9 49.93	+19 13.0	2.013	2.996	2.0	20.3
2 21	9 40.51	+20 2.6	2.025	2.999	4.0	20.5
3 2	9 31.75	+20 41.7	2.067	3.001	7.6	20.7
3 12	9 24.53	+21 7.6	2.135	3.003	11.0	20.9
3 22	9 19.43	+21 19.5	2.227	3.004	13.8	21.1

5289 Niemela 2 14.0 199°.37 3°.1/17.2 18

1 12	10 7.25	+ 0 36.8	2.470	3.253	12.0	17.8
1 22	10 2.68	+ 0 55.4	2.380	3.251	9.4	17.6
2 1	9 56.54	+ 1 29.7	2.314	3.249	6.5	17.4
2 11	9 49.36	+ 2 17.8	2.277	3.247	3.8	17.2
2 21	9 41.85	+ 3 15.9	2.269	3.245	3.4	17.2
3 2	9 34.77	+ 4 19.5	2.291	3.242	5.8	17.3
3 12	9 28.84	+ 5 23.2	2.341	3.239	8.8	17.5
3 22	9 24.58	+ 6 22.5	2.416	3.236	11.6	17.7