404369 2013 GC_{26} 2 8.9 21°.59 4°.7/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 53.75	+21 17.8	1.386	2.208	17.7	20.6
1 12	9 50.69	+22 31.1	1.316	2.210	13.8	20.3
1 22	9 44.36	+23 54.6	1.267	2.213	9.4	20.1
2 1	9 35.44	+25 18.5	1.243	2.216	5.4	19.8
2 11	9 25.21	+26 31.4	1.245	2.219	5.5	19.9
2 21	9 15.27	+27 24.3	1.273	2.222	9.4	20.1
3 2	9 7.15	+27 52.7	1.324	2.226	13.8	20.3
3 12	9 1.96	+27 56.9	1.397	2.230	17.6	20.6

233482 2006 SD_{147} 2 8.9 263°.60 2°.2/11.0 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 49.12	+ 5 36.0	2.476	3.225	12.9	20.8
1 12	9 45.55	+ 5 45.1	2.371	3.216	10.4	20.6
1 22	9 40.14	+ 6 7.7	2.289	3.207	7.5	20.4
2 1	9 33.32	+ 6 42.7	2.234	3.198	4.3	20.2
2 11	9 25.75	+ 7 27.1	2.208	3.189	2.2	20.0
2 21	9 18.20	+ 8 17.0	2.212	3.180	4.3	20.1
3 2	9 11.45	+ 9 7.9	2.244	3.171	7.6	20.3
3 12	9 6.19	+ 9 55.6	2.304	3.161	10.7	20.5

455541 2004 EE_{16} 2 9.0 343°.04 2°.5/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.75	+19 56.5	1.282	2.108	18.7	20.7
1 12	9 51.00	+19 57.8	1.200	2.096	14.7	20.4
1 22	9 44.77	+20 6.1	1.138	2.085	9.9	20.1
2 1	9 35.71	+20 15.9	1.098	2.075	4.8	19.8
2 11	9 25.17	+20 20.1	1.083	2.067	3.1	19.7
2 21	9 14.83	+20 13.2	1.094	2.059	8.1	19.9
3 2	9 6.39	+19 52.4	1.128	2.053	13.3	20.2
3 12	9 1.06	+19 18.0	1.182	2.049	18.0	20.5

422243 2014 SW_{46} 2 9.0 40°.35 6°.0/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.78	+26 43.0	1.431	2.251	17.4	20.4
1 12	9 53.63	+27 34.0	1.372	2.262	13.7	20.1
1 22	9 46.13	+28 26.4	1.334	2.274	9.6	19.9
2 1	9 36.14	+29 10.5	1.320	2.286	6.4	19.8
2 11	9 25.11	+29 37.3	1.333	2.299	6.6	19.8
2 21	9 14.64	+29 41.6	1.371	2.312	9.8	20.0
3 2	9 6.21	+29 22.8	1.433	2.326	13.5	20.3
3 12	9 0.80	+28 43.9	1.516	2.340	17.0	20.6

55865 1997 PZ 2 9.0 276°.27 0°.0/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.15	+11 52.9	1.514	2.311	17.7	19.0
1 12	9 49.99	+12 24.6	1.424	2.302	14.0	18.8
1 22	9 43.84	+13 14.0	1.354	2.293	9.5	18.5
2 1	9 35.24	+14 16.7	1.308	2.284	4.4	18.2
2 11	9 25.29	+15 25.4	1.289	2.276	1.1	17.9
2 21	9 15.36	+16 31.7	1.298	2.267	6.6	18.2
3 2	9 6.88	+17 28.0	1.332	2.258	11.7	18.5
3 12	9 1.00	+18 9.7	1.389	2.249	16.2	18.7

387213 2012 TD_{318} 2 9.0 112°.76 0°.9/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 50.56	+15 8.7	2.657	3.433	11.5	21.4
1 12	9 46.43	+15 53.1	2.578	3.448	8.8	21.2
1 22	9 40.57	+16 45.4	2.524	3.461	5.8	21.1
2 1	9 33.47	+17 41.6	2.499	3.475	2.6	20.9
2 11	9 25.78	+18 37.1	2.504	3.488	1.4	20.8
2 21	9 18.25	+19 27.6	2.540	3.501	4.5	21.0
3 2	9 11.59	+20 9.8	2.605	3.514	7.5	21.2
3 12	9 6.41	+20 41.6	2.697	3.526	10.2	21.4

226901 2004 TL_{165} 2 9.0 112°.27 2°.1/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.36	+ 6 54.7	2.096	2.856	14.7	21.3
1 12	9 48.26	+ 7 1.5	2.012	2.864	11.7	21.1
1 22	9 42.03	+ 7 22.7	1.950	2.873	8.3	20.9
2 1	9 34.20	+ 7 56.6	1.913	2.881	4.6	20.7
2 11	9 25.59	+ 8 39.3	1.906	2.889	2.1	20.5
2 21	9 17.16	+ 9 26.1	1.928	2.897	4.8	20.7
3 2	9 9.82	+10 12.2	1.978	2.905	8.4	21.0
3 12	9 4.31	+10 53.3	2.054	2.912	11.8	21.2

282970 2007 SA_{9} 2 9.0 92°.67 3°.1/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 48.88	+ 2 31.2	2.296	3.037	14.1	20.8
1 12	9 45.44	+ 2 45.2	2.203	3.040	11.5	20.6
1 22	9 40.10	+ 3 16.1	2.132	3.042	8.4	20.4
2 1	9 33.32	+ 4 2.6	2.086	3.044	5.2	20.2
2 11	9 25.81	+ 5 1.6	2.069	3.047	3.1	20.1
2 21	9 18.38	+ 6 8.3	2.082	3.049	4.7	20.2
3 2	9 11.86	+ 7 17.0	2.124	3.051	7.8	20.4
3 12	9 6.94	+ 8 22.5	2.191	3.054	10.9	20.6

303348 2004 TA_{250} 2 9.0 244°.64 4°.7/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.13	+23 44.1	1.639	2.446	16.1	20.6
1 12	9 53.81	+24 35.8	1.554	2.439	12.7	20.3
1 22	9 46.34	+25 33.4	1.491	2.431	8.8	20.1
2 1	9 36.35	+26 28.6	1.453	2.423	5.3	19.9
2 11	9 25.03	+27 12.3	1.443	2.414	5.3	19.8
2 21	9 13.85	+27 37.8	1.460	2.406	8.8	20.0
3 2	9 4.30	+27 42.0	1.502	2.397	12.9	20.2
3 12	8 57.50	+27 25.7	1.567	2.388	16.6	20.5

144402 2004 EG_{7} 2 9.0 290°.73 0°.0/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 50.04	+12 46.7	2.280	3.059	13.0	20.5
1 12	9 46.49	+13 9.3	2.178	3.047	10.2	20.3
1 22	9 40.90	+13 42.5	2.099	3.035	6.9	20.0
2 1	9 33.73	+14 23.4	2.048	3.023	3.2	19.8
2 11	9 25.71	+15 7.6	2.025	3.011	0.8	19.6
2 21	9 17.70	+15 50.4	2.032	3.000	4.8	19.8
3 2	9 10.60	+16 27.7	2.068	2.988	8.5	20.0
3 12	9 5.19	+16 56.3	2.128	2.976	11.8	20.2

68386 2001 QJ_{31} 2 9.0 121°.45 0°.3/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.94	+11 35.5	2.050	2.824	14.5	20.2
1 12	9 49.53	+12 2.7	1.971	2.836	11.3	20.0
1 22	9 42.89	+12 42.1	1.914	2.848	7.6	19.8
2 1	9 34.59	+13 30.1	1.884	2.859	3.5	19.6
2 11	9 25.51	+14 21.4	1.884	2.870	0.8	19.4
2 21	9 16.63	+15 10.8	1.913	2.880	5.0	19.7
3 2	9 8.94	+15 53.5	1.970	2.890	8.9	20.0
3 12	9 3.19	+16 26.6	2.053	2.900	12.2	20.2

170402 2003 TS_{19} 2 9.0 157°.04 1°.3/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.34	+15 51.8	1.966	2.750	14.7	21.1
1 12	9 51.60	+16 29.9	1.883	2.757	11.4	20.9
1 22	9 44.40	+17 18.1	1.824	2.762	7.6	20.7
2 1	9 35.32	+18 11.3	1.792	2.768	3.4	20.4
2 11	9 25.32	+19 3.1	1.789	2.773	1.9	20.3
2 21	9 15.52	+19 47.9	1.815	2.777	5.9	20.6
3 2	9 6.99	+20 21.5	1.870	2.781	9.8	20.8
3 12	9 0.60	+20 41.8	1.949	2.784	13.3	21.0

236106 2005 QU_{84} 2 9.0 120°.55 0°.7/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 2.59	+15 56.4	1.625	2.410	17.2	20.7
1 12	9 56.77	+16 1.8	1.553	2.425	13.4	20.5
1 22	9 47.97	+16 16.5	1.503	2.440	9.0	20.2
2 1	9 36.94	+16 35.8	1.478	2.454	4.0	20.0
2 11	9 24.94	+16 54.2	1.483	2.468	1.4	19.8
2 21	9 13.39	+17 6.8	1.516	2.481	6.3	20.2
3 2	9 3.62	+17 10.7	1.576	2.494	10.8	20.5
3 12	8 56.56	+17 4.6	1.661	2.506	14.7	20.7

262361 2006 TC_{84} 2 9.0 209°.67 3°.6/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.92	+26 31.6	2.812	3.600	10.6	21.3
1 12	9 49.11	+27 11.0	2.722	3.595	8.3	21.1
1 22	9 42.43	+27 51.0	2.658	3.590	5.8	21.0
2 1	9 34.35	+28 27.0	2.622	3.585	3.9	20.8
2 11	9 25.57	+28 54.2	2.616	3.580	4.0	20.8
2 21	9 16.92	+29 9.6	2.641	3.574	6.1	21.0
3 2	9 9.19	+29 11.4	2.693	3.568	8.6	21.1
3 12	9 3.04	+28 59.8	2.771	3.561	11.0	21.3

426459 2013 QM_{72} 2 9.0 147°.87 1°.6/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.93	+17 33.4	2.403	3.184	12.4	22.3
1 12	9 49.26	+18 15.4	2.321	3.193	9.6	22.1
1 22	9 42.59	+19 4.4	2.263	3.202	6.3	21.9
2 1	9 34.43	+19 55.9	2.234	3.209	3.0	21.7
2 11	9 25.56	+20 44.7	2.235	3.217	2.1	21.6
2 21	9 16.85	+21 26.2	2.266	3.224	5.2	21.9
3 2	9 9.17	+21 57.2	2.326	3.230	8.5	22.1
3 12	9 3.21	+22 16.2	2.412	3.236	11.4	22.3

401745 2013 JV_{51} 2 9.0 122°.64 0°.0/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.99	+11 29.9	1.780	2.563	16.0	21.4
1 12	9 49.97	+12 7.1	1.700	2.571	12.5	21.1
1 22	9 43.41	+12 59.2	1.643	2.579	8.4	20.9
2 1	9 34.90	+14 1.8	1.611	2.587	3.9	20.7
2 11	9 25.44	+15 8.2	1.608	2.595	0.9	20.5
2 21	9 16.18	+16 11.4	1.634	2.602	5.7	20.8
3 2	9 8.26	+17 5.7	1.688	2.609	10.0	21.1
3 12	9 2.56	+17 47.1	1.765	2.616	13.7	21.3

241149 2007 RR_{33} 2 9.0 134°.65 3°.0/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.81	+20 40.7	2.072	2.858	13.9	20.9
1 12	9 53.34	+21 34.7	2.000	2.874	10.8	20.7
1 22	9 45.44	+22 34.4	1.952	2.890	7.2	20.5
2 1	9 35.75	+23 33.5	1.933	2.905	3.8	20.3
2 11	9 25.24	+24 25.2	1.943	2.919	3.5	20.3
2 21	9 15.03	+25 4.1	1.983	2.932	6.6	20.5
3 2	9 6.17	+25 27.6	2.052	2.945	10.0	20.8
3 12	8 59.48	+25 35.3	2.144	2.956	13.1	21.0

263321 2008 CV_{45} 2 9.0 218°.08 1°.9/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.21	+ 5 43.2	2.185	2.937	14.4	20.3
1 12	9 48.26	+ 6 14.6	2.081	2.929	11.6	20.1
1 22	9 42.15	+ 7 3.1	2.000	2.921	8.2	19.9
2 1	9 34.34	+ 8 6.6	1.945	2.912	4.5	19.7
2 11	9 25.59	+ 9 20.7	1.919	2.903	1.9	19.5
2 21	9 16.81	+10 39.3	1.924	2.893	4.8	19.6
3 2	9 8.98	+11 56.1	1.958	2.882	8.6	19.8
3 12	9 2.90	+13 5.7	2.018	2.871	12.1	20.0

242018 2002 *QK* 2 9.0 74°.61 2°.1/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	10 10.00	+12 31.6	1.712	2.469	17.6	19.5
1 12	10 1.99	+11 30.2	1.646	2.498	13.9	19.3
1 22	9 51.12	+10 36.8	1.602	2.527	9.6	19.1
2 1	9 38.25	+ 9 50.7	1.586	2.556	4.9	18.9
2 11	9 24.69	+ 9 10.8	1.601	2.585	2.2	18.7
2 21	9 11.85	+ 8 36.1	1.647	2.613	5.8	19.0
3 2	9 0.95	+ 8 5.1	1.722	2.640	10.0	19.3
3 12	8 52.81	+ 7 36.3	1.822	2.668	13.6	19.6

351720 2006 BY_{261} 2 9.0 3°.69 0°.6/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 49.68	+12 17.0	1.207	2.028	19.9	20.6
1 12	9 47.81	+12 56.8	1.134	2.027	15.7	20.4
1 22	9 42.61	+13 57.4	1.081	2.026	10.5	20.1
2 1	9 34.75	+15 13.0	1.049	2.027	4.7	19.7
2 11	9 25.50	+16 33.6	1.043	2.029	1.6	19.5
2 21	9 16.47	+17 48.6	1.061	2.031	7.5	19.9
3 2	9 9.25	+18 49.1	1.104	2.035	13.0	20.2
3 12	9 5.03	+19 30.1	1.166	2.039	17.7	20.5

470904 2009 CV_{52} 2 9.0 323°.87 0°.2/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 48.87	+13 7.6	2.012	2.802	14.2	21.2
1 12	9 45.89	+13 34.9	1.913	2.789	11.1	20.9
1 22	9 40.68	+14 14.2	1.837	2.776	7.5	20.7
2 1	9 33.70	+15 2.3	1.788	2.764	3.4	20.4
2 11	9 25.76	+15 53.8	1.766	2.752	1.0	20.2
2 21	9 17.84	+16 43.2	1.773	2.741	5.3	20.5
3 2	9 10.95	+17 25.4	1.808	2.730	9.4	20.7
3 12	9 5.94	+17 57.0	1.866	2.719	13.0	20.9

344490 2002 QZ_{76} 2 9.0 87°.75 1°.6/10.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.70	+ 7 38.1	1.388	2.174	19.6	21.4
1 12	9 51.83	+ 8 7.7	1.322	2.191	15.5	21.2
1 22	9 44.90	+ 8 59.2	1.275	2.208	10.7	20.9
2 1	9 35.64	+10 8.2	1.252	2.225	5.4	20.7
2 11	9 25.30	+11 26.9	1.256	2.242	1.7	20.5
2 21	9 15.36	+12 46.0	1.287	2.258	6.3	20.8
3 2	9 7.18	+13 57.1	1.344	2.274	11.3	21.1
3 12	9 1.75	+14 54.4	1.424	2.289	15.5	21.4

433169 2012 TK_{289} 2 9.0 140°.09 1°.8/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.24	+20 11.6	2.563	3.346	11.7	21.6
1 12	9 49.38	+20 30.4	2.479	3.351	9.0	21.4
1 22	9 42.60	+20 53.0	2.418	3.356	6.0	21.2
2 1	9 34.43	+21 15.6	2.387	3.361	2.9	21.0
2 11	9 25.62	+21 34.2	2.385	3.366	2.2	21.0
2 21	9 16.99	+21 45.6	2.414	3.370	5.1	21.2
3 2	9 9.36	+21 47.9	2.471	3.374	8.1	21.4
3 12	9 3.38	+21 40.6	2.555	3.378	10.9	21.6

282559 2004 WS_{6} 2 9.0 118°.41 0°.1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.90	+13 5.1	1.872	2.647	15.6	21.7
1 12	9 53.50	+13 27.9	1.801	2.667	12.2	21.5
1 22	9 45.59	+14 2.1	1.751	2.686	8.2	21.3
2 1	9 35.84	+14 43.5	1.729	2.705	3.7	21.1
2 11	9 25.28	+15 26.4	1.736	2.722	1.0	20.9
2 21	9 15.07	+16 5.4	1.773	2.739	5.5	21.3
3 2	9 6.30	+16 36.4	1.838	2.756	9.6	21.6
3 12	8 59.79	+16 57.0	1.928	2.771	13.1	21.8

186131 2001 TJ_{164} 2 9.0 61°.37 7°.0/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 50.65	− 5 31.1	1.759	2.476	18.5	20.4
1 12	9 47.33	− 5 49.9	1.682	2.490	15.8	20.3
1 22	9 41.62	− 5 43.0	1.624	2.504	12.6	20.1
2 1	9 34.09	− 5 9.0	1.588	2.518	9.3	19.9
2 11	9 25.71	− 4 9.8	1.577	2.532	7.2	19.8
2 21	9 17.53	− 2 51.0	1.593	2.546	7.5	19.9
3 2	9 10.62	− 1 20.7	1.636	2.560	10.0	20.1
3 12	9 5.79	+ 0 12.2	1.703	2.575	13.1	20.3

297390 2000 QR_{90} 2 9.0 147°.12 2°.2/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.47	+ 6 16.5	2.086	2.834	15.1	22.0
1 12	9 51.46	+ 6 27.6	2.001	2.846	12.1	21.8
1 22	9 44.19	+ 6 53.9	1.938	2.858	8.5	21.6
2 1	9 35.22	+ 7 33.5	1.902	2.868	4.7	21.4
2 11	9 25.43	+ 8 22.3	1.895	2.878	2.2	21.2
2 21	9 15.83	+ 9 15.3	1.919	2.887	4.9	21.4
3 2	9 7.40	+10 7.1	1.972	2.895	8.6	21.7
3 12	9 0.92	+10 53.4	2.050	2.902	12.0	21.9

222327 2000 UW_{35} 2 9.0 138°.09 3°.9/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.39	+ 1 3.6	2.294	3.021	14.5	20.8
1 12	9 48.11	+ 0 58.2	2.206	3.031	11.9	20.6
1 22	9 41.87	+ 1 9.3	2.139	3.039	8.9	20.5
2 1	9 34.14	+ 1 36.6	2.098	3.048	5.9	20.3
2 11	9 25.70	+ 2 17.6	2.085	3.056	3.9	20.2
2 21	9 17.39	+ 3 8.4	2.101	3.064	5.1	20.3
3 2	9 10.06	+ 4 3.9	2.147	3.071	8.0	20.5
3 12	9 4.39	+ 4 59.0	2.219	3.078	11.0	20.7

66383 1999 JK_{130} 2 9.0 212°.09 0°.6/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 55.82	+13 31.5	2.121	2.895	14.1	21.2
1 12	9 51.18	+14 8.6	2.021	2.887	11.0	21.0
1 22	9 44.19	+14 57.6	1.944	2.879	7.4	20.8
2 1	9 35.31	+15 54.4	1.894	2.870	3.3	20.5
2 11	9 25.40	+16 53.3	1.874	2.859	1.2	20.3
2 21	9 15.48	+17 48.4	1.884	2.848	5.4	20.6
3 2	9 6.64	+18 34.7	1.923	2.837	9.5	20.8
3 12	8 59.74	+19 9.3	1.988	2.824	13.0	21.0

387197 2012 TK_{303} 2 9.0 40°.47 7°.0/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 49.08	− 7 21.5	2.278	2.966	15.5	20.6
1 12	9 45.63	− 7 58.5	2.190	2.972	13.4	20.4
1 22	9 40.25	− 8 15.4	2.121	2.978	11.0	20.3
2 1	9 33.43	− 8 10.3	2.075	2.985	8.7	20.2
2 11	9 25.88	− 7 43.5	2.055	2.992	7.2	20.1
2 21	9 18.43	− 6 57.9	2.062	2.999	7.3	20.1
3 2	9 11.91	− 5 58.1	2.096	3.006	9.0	20.2
3 12	9 7.00	− 4 50.7	2.155	3.013	11.3	20.4

296091 2009 BF_{25} 2 9.0 294°.60 0°.4/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 48.48	+11 17.9	2.246	3.025	13.2	20.3
1 12	9 45.34	+12 21.4	2.148	3.017	10.4	20.1
1 22	9 40.19	+13 39.6	2.073	3.010	6.9	19.9
2 1	9 33.46	+15 8.2	2.026	3.002	3.1	19.6
2 11	9 25.86	+16 40.8	2.009	2.995	1.1	19.5
2 21	9 18.27	+18 10.6	2.023	2.988	5.0	19.7
3 2	9 11.57	+19 31.3	2.065	2.980	8.8	19.9
3 12	9 6.52	+20 38.6	2.133	2.973	12.1	20.1

334931 2004 BY_{30} 2 9.0 15°.07 1°.4/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.06	+18 16.9	1.859	2.656	14.9	20.1
1 12	9 49.95	+18 22.2	1.779	2.660	11.6	19.9
1 22	9 43.34	+18 33.9	1.722	2.663	7.7	19.7
2 1	9 34.87	+18 47.8	1.691	2.668	3.5	19.4
2 11	9 25.54	+18 59.1	1.688	2.672	1.9	19.3
2 21	9 16.47	+19 4.0	1.714	2.678	5.9	19.6
3 2	9 8.76	+18 59.9	1.766	2.683	9.9	19.8
3 12	9 3.24	+18 46.1	1.843	2.690	13.4	20.1

343373 2010 CC_{108} 2 9.0 176°.37 4°.9/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.22	+30 28.3	2.474	3.262	11.9	20.7
1 12	9 52.69	+31 4.5	2.394	3.263	9.4	20.5
1 22	9 44.94	+31 38.5	2.338	3.264	6.9	20.3
2 1	9 35.53	+32 4.2	2.310	3.264	5.2	20.2
2 11	9 25.38	+32 16.5	2.312	3.264	5.4	20.2
2 21	9 15.49	+32 12.5	2.343	3.265	7.4	20.4
3 2	9 6.83	+31 51.6	2.401	3.264	10.0	20.5
3 12	9 0.14	+31 15.5	2.483	3.264	12.4	20.7

333373 2002 NS_{75} 2 9.0 174°.78 2°.8/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 49.75	+ 2 35.2	2.452	3.187	13.4	21.3
1 12	9 46.02	+ 2 55.2	2.355	3.188	10.9	21.2
1 22	9 40.47	+ 3 31.3	2.280	3.190	8.0	21.0
2 1	9 33.53	+ 4 22.4	2.232	3.190	4.9	20.8
2 11	9 25.88	+ 5 25.1	2.213	3.191	2.8	20.6
2 21	9 18.29	+ 6 34.8	2.224	3.191	4.4	20.7
3 2	9 11.55	+ 7 46.0	2.265	3.191	7.5	20.9
3 12	9 6.31	+ 8 53.7	2.333	3.191	10.5	21.1

70386 1999 RO_{220} 2 9.0 207°.41 2°.5/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.83	+ 7 7.9	1.933	2.692	15.8	20.1
1 12	9 51.31	+ 6 59.4	1.836	2.688	12.7	19.9
1 22	9 44.32	+ 7 5.5	1.761	2.683	9.1	19.7
2 1	9 35.39	+ 7 24.9	1.712	2.678	5.1	19.4
2 11	9 25.41	+ 7 54.7	1.691	2.673	2.5	19.3
2 21	9 15.48	+ 8 30.3	1.699	2.667	5.4	19.4
3 2	9 6.73	+ 9 6.9	1.735	2.661	9.4	19.6
3 12	9 0.06	+ 9 40.0	1.796	2.654	13.2	19.9

416253 2003 EF_{23} 2 9.0 342°.27 8°.7/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.75	+33 34.3	1.394	2.214	17.8	19.6
1 12	9 55.82	+34 15.5	1.318	2.202	14.5	19.3
1 22	9 48.06	+34 51.3	1.263	2.192	11.2	19.1
2 1	9 37.24	+35 10.4	1.231	2.183	8.9	18.9
2 11	9 24.96	+35 2.9	1.223	2.174	9.3	18.9
2 21	9 13.14	+34 24.2	1.240	2.167	12.1	19.1
3 2	9 3.58	+33 15.9	1.280	2.161	15.7	19.3
3 12	8 57.49	+31 44.5	1.340	2.156	19.2	19.5

491101 2011 SN_{37} 2 9.0 199°.87 0°.7/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.92	+10 24.7	1.952	2.721	15.3	22.0
1 12	9 51.40	+10 49.6	1.856	2.718	12.1	21.7
1 22	9 44.40	+11 28.8	1.782	2.714	8.3	21.5
2 1	9 35.43	+12 19.3	1.735	2.709	4.0	21.2
2 11	9 25.40	+13 15.6	1.717	2.703	1.0	21.0
2 21	9 15.41	+14 11.8	1.729	2.697	5.3	21.3
3 2	9 6.60	+15 2.3	1.769	2.690	9.6	21.5
3 12	8 59.88	+15 43.1	1.834	2.682	13.4	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
79463 1997 YE_{13}			2 9.0 23°.99	2°.3/10.6 18		
	h m	° ′			°	m
1 2	9 52.25	+ 8 18.0	2.007	2.775	15.0	19.1
1 12	9 48.31	+ 7 59.5	1.922	2.779	12.0	18.9
1 22	9 42.15	+ 7 53.4	1.859	2.784	8.5	18.7
2 1	9 34.32	+ 7 58.4	1.822	2.789	4.7	18.4
2 11	9 25.69	+ 8 12.1	1.812	2.795	2.3	18.3
2 21	9 17.24	+ 8 30.9	1.832	2.801	5.0	18.5
3 2	9 9.94	+ 8 50.9	1.879	2.807	8.7	18.7
3 12	9 4.54	+ 9 8.6	1.951	2.813	12.1	18.9
209119 2003 SM_{175}			2 9.0 215°.33	2°.1/10.6 18		
1 2	9 54.12	+ 6 22.7	2.027	2.783	15.2	21.7
1 12	9 49.93	+ 6 40.6	1.925	2.776	12.3	21.5
1 22	9 43.39	+ 7 15.3	1.845	2.768	8.7	21.2
2 1	9 34.98	+ 8 4.9	1.791	2.759	4.8	21.0
2 11	9 25.52	+ 9 5.1	1.766	2.750	2.1	20.8
2 21	9 16.06	+10 10.3	1.771	2.740	5.1	21.0
3 2	9 7.64	+11 14.3	1.804	2.729	9.2	21.2
3 12	9 1.16	+12 11.7	1.863	2.718	12.9	21.4
76794 2000 LY_{31}			2 9.0 247°.61	1°.6/10.5 18		
1 2	9 51.17	+ 7 57.4	2.844	3.591	11.5	20.2
1 12	9 46.97	+ 8 3.3	2.728	3.574	9.2	20.0
1 22	9 41.06	+ 8 19.6	2.635	3.555	6.5	19.8
2 1	9 33.82	+ 8 45.0	2.569	3.537	3.5	19.5
2 11	9 25.84	+ 9 16.9	2.534	3.518	1.6	19.4
2 21	9 17.82	+ 9 52.1	2.530	3.498	3.9	19.5
3 2	9 10.48	+10 27.4	2.556	3.478	7.0	19.7
3 12	9 4.46	+10 59.5	2.609	3.458	9.9	19.8
23454 1988 XU_{2}			2 9.0 50°.38	5°.2/ 5.3 18		
1 2	9 54.32	+24 22.8	1.614	2.430	15.9	17.3
1 12	9 50.63	+25 37.8	1.553	2.442	12.4	17.1
1 22	9 44.04	+26 57.4	1.515	2.456	8.6	16.9
2 1	9 35.26	+28 12.2	1.502	2.469	5.6	16.8
2 11	9 25.50	+29 12.8	1.517	2.483	5.9	16.8
2 21	9 16.13	+29 52.8	1.558	2.497	9.0	17.1
3 2	9 8.42	+30 9.6	1.624	2.511	12.6	17.3
3 12	9 3.30	+30 4.5	1.712	2.526	15.7	17.5
462906 2010 XL_{67}			2 9.0 108°.03	1°.6/ 7.8 18		
1 2	9 52.11	+15 38.2	1.897	2.691	14.7	21.6
1 12	9 48.50	+16 29.7	1.814	2.693	11.5	21.3
1 22	9 42.45	+17 32.8	1.753	2.694	7.6	21.1
2 1	9 34.54	+18 42.1	1.720	2.696	3.5	20.9
2 11	9 25.67	+19 50.5	1.714	2.698	2.2	20.8
2 21	9 16.94	+20 51.1	1.738	2.699	6.1	21.0
3 2	9 9.42	+21 38.8	1.789	2.701	10.1	21.3
3 12	9 4.00	+22 11.2	1.864	2.703	13.6	21.5
301554 2009 GG_{4}			2 9.0 298°.83	3°.1/11.9 17		
1 2	9 47.96	+ 2 30.8	2.404	3.144	13.5	21.2
1 12	9 44.74	+ 2 39.7	2.300	3.136	11.1	21.0
1 22	9 39.69	+ 3 4.5	2.219	3.128	8.2	20.8
2 1	9 33.22	+ 3 44.7	2.164	3.121	5.2	20.6
2 11	9 26.00	+ 4 37.3	2.137	3.113	3.2	20.4
2 21	9 18.79	+ 5 38.3	2.139	3.106	4.6	20.5
3 2	9 12.40	+ 6 42.4	2.170	3.098	7.7	20.7
3 12	9 7.51	+ 7 44.6	2.228	3.091	10.8	20.9
104179 2000 EZ_{90}			2 9.0 127°.50	6°.3/14.5 18		
1 2	9 51.67	− 5 26.5	1.995	2.700	17.0	19.3
1 12	9 47.91	− 5 34.9	1.908	2.709	14.4	19.1
1 22	9 41.94	− 5 19.8	1.840	2.717	11.5	18.9
2 1	9 34.27	− 4 40.0	1.795	2.724	8.5	18.7
2 11	9 25.75	− 3 37.6	1.777	2.732	6.5	18.6
2 21	9 17.35	− 2 17.4	1.787	2.739	6.9	18.7
3 2	9 10.06	− 0 46.7	1.824	2.746	9.3	18.8
3 12	9 4.65	+ 0 46.3	1.887	2.753	12.3	19.0
278231 2007 EB_{109}			2 9.0 236°.30	2°.0/ 7.4 17		
1 2	9 53.80	+18 36.0	2.274	3.061	12.8	21.4
1 12	9 49.51	+19 15.3	2.175	3.051	10.0	21.2
1 22	9 43.01	+20 1.9	2.101	3.040	6.7	20.9
2 1	9 34.78	+20 51.2	2.053	3.028	3.2	20.7
2 11	9 25.63	+21 37.7	2.036	3.017	2.5	20.6
2 21	9 16.50	+22 16.2	2.048	3.005	5.8	20.8
3 2	9 8.37	+22 43.2	2.089	2.992	9.3	21.0
3 12	9 2.07	+22 57.0	2.154	2.980	12.5	21.2
461943 2006 SM_{326}			2 9.0 43°.23	7°.4/14.9 16		
1 2	9 49.71	− 5 38.6	1.466	2.202	20.9	21.8
1 12	9 47.00	− 5 51.3	1.400	2.220	17.7	21.6
1 22	9 41.60	− 5 33.3	1.351	2.238	14.0	21.4
2 1	9 34.17	− 4 43.2	1.322	2.258	10.3	21.2
2 11	9 25.80	− 3 24.3	1.318	2.278	7.7	21.1
2 21	9 17.75	− 1 44.5	1.340	2.298	8.0	21.2
3 2	9 11.21	+ 0 5.7	1.387	2.319	10.9	21.4
3 12	9 7.05	+ 1 54.9	1.458	2.340	14.3	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7200 1994 NO			2 9.0 181°.14	6°.0/16.7 18		
	h m	° ′			°	m
1 2	9 49.64	−12 43.6	3.623	4.236	11.3	20.3
1 12	9 45.35	−13 10.8	3.517	4.237	10.0	20.2
1 22	9 39.74	−13 23.0	3.432	4.238	8.5	20.1
2 1	9 33.15	−13 18.8	3.371	4.238	7.1	20.0
2 11	9 26.06	−12 58.0	3.337	4.237	6.2	19.9
2 21	9 18.98	−12 22.2	3.331	4.236	6.1	19.9
3 2	9 12.47	−11 33.9	3.354	4.234	6.9	20.0
3 12	9 6.99	−10 37.2	3.405	4.232	8.3	20.1
428494 2007 VM_{272}			2 9.0 93°.55	1°.6/ 7.4 18		
1 2	9 51.13	+16 12.4	2.429	3.212	12.2	21.3
1 12	9 47.07	+17 16.4	2.357	3.230	9.4	21.1
1 22	9 41.14	+18 28.8	2.309	3.248	6.2	21.0
2 1	9 33.83	+19 44.6	2.291	3.266	2.9	20.8
2 11	9 25.89	+20 57.7	2.302	3.284	2.1	20.7
2 21	9 18.13	+22 2.9	2.345	3.301	5.1	21.0
3 2	9 11.35	+22 56.2	2.416	3.319	8.3	21.2
3 12	9 6.18	+23 35.7	2.513	3.335	11.0	21.4
191841 2004 VO_{20}			2 9.0 26°.96	0°.6/ 9.5 18		
1 2	9 51.80	+11 17.7	1.875	2.658	15.3	20.4
1 12	9 48.19	+11 32.5	1.791	2.661	12.1	20.2
1 22	9 42.22	+12 0.3	1.728	2.663	8.2	20.0
2 1	9 34.43	+12 38.1	1.692	2.666	3.9	19.7
2 11	9 25.74	+13 21.0	1.683	2.669	0.9	19.5
2 21	9 17.21	+14 3.5	1.703	2.673	5.2	19.8
3 2	9 9.89	+14 40.8	1.751	2.676	9.4	20.1
3 12	9 4.62	+15 9.3	1.822	2.680	13.0	20.3
119524 2001 UW_{167}			2 9.0 230°.04	2°.7/ 7.1 17		
1 2	9 58.53	+21 56.6	2.260	3.044	13.0	19.9
1 12	9 53.21	+22 21.1	2.160	3.033	10.2	19.7
1 22	9 45.49	+22 49.4	2.084	3.021	6.9	19.5
2 1	9 35.92	+23 16.5	2.036	3.008	3.7	19.3
2 11	9 25.36	+23 37.2	2.018	2.995	3.1	19.2
2 21	9 14.88	+23 47.4	2.030	2.982	6.2	19.4
3 2	9 5.54	+23 44.8	2.070	2.968	9.7	19.6
3 12	8 58.19	+23 29.4	2.136	2.953	12.9	19.8
79293 1995 UM_{25}			2 9.0 174°.35	0°.3/ 8.8 18		
1 2	9 50.80	+13 45.6	2.807	3.576	11.1	21.0
1 12	9 46.60	+14 13.0	2.714	3.578	8.6	20.8
1 22	9 40.75	+14 48.3	2.645	3.579	5.8	20.6
2 1	9 33.65	+15 28.5	2.605	3.581	2.6	20.4
2 11	9 25.94	+16 10.0	2.596	3.581	0.8	20.3
2 21	9 18.32	+16 49.1	2.617	3.582	4.0	20.5
3 2	9 11.48	+17 22.7	2.668	3.582	7.1	20.7
3 12	9 6.02	+17 48.4	2.746	3.582	9.8	20.9
434913 2006 TE_{84}			2 9.0 226°.67	7°.2/16.5 17		
1 2	9 49.23	−12 0.8	2.838	3.476	13.7	21.4
1 12	9 45.48	−12 36.4	2.731	3.469	12.1	21.2
1 22	9 40.07	−12 53.8	2.642	3.462	10.3	21.1
2 1	9 33.38	−12 50.6	2.577	3.455	8.6	20.9
2 11	9 26.00	−12 26.5	2.538	3.447	7.4	20.8
2 21	9 18.60	−11 43.1	2.526	3.439	7.4	20.8
3 2	9 11.90	−10 43.8	2.541	3.431	8.5	20.9
3 12	9 6.50	− 9 34.1	2.583	3.422	10.2	21.0
382505 2001 RF_{56}			2 9.0 108°.72	0°.7/ 8.3 18		
1 2	9 51.80	+14 52.1	2.615	3.389	11.7	21.6
1 12	9 47.41	+15 28.2	2.539	3.406	9.0	21.4
1 22	9 41.27	+16 12.0	2.487	3.423	6.0	21.2
2 1	9 33.87	+16 59.8	2.464	3.440	2.6	21.0
2 11	9 25.90	+17 47.3	2.471	3.456	1.2	20.9
2 21	9 18.12	+18 30.3	2.510	3.472	4.4	21.2
3 2	9 11.26	+19 5.7	2.577	3.488	7.5	21.4
3 12	9 5.91	+19 31.6	2.671	3.503	10.2	21.6
135123 2001 QE_{140}			2 9.0 104°.16	6°.7/ 3.2 18		
1 2	10 4.33	+39 43.2	2.790	3.557	11.2	20.5
1 12	9 57.11	+40 29.9	2.739	3.580	9.3	20.4
1 22	9 47.67	+41 8.1	2.712	3.603	7.7	20.3
2 1	9 36.71	+41 31.5	2.713	3.626	6.8	20.3
2 11	9 25.23	+41 35.6	2.743	3.648	7.1	20.3
2 21	9 14.29	+41 18.9	2.801	3.669	8.5	20.4
3 2	9 4.81	+40 42.7	2.886	3.690	10.2	20.6
3 12	8 57.46	+39 50.2	2.994	3.711	11.8	20.7
288629 2004 PQ_{8}			2 9.0 147°.93	0°.5/ 8.6 18		
1 2	9 57.23	+13 0.3	2.022	2.795	14.7	22.1
1 12	9 52.19	+13 43.8	1.941	2.807	11.5	21.9
1 22	9 44.78	+14 39.5	1.884	2.819	7.6	21.7
2 1	9 35.56	+15 42.7	1.854	2.829	3.4	21.4
2 11	9 25.48	+16 47.0	1.853	2.839	1.2	21.3
2 21	9 15.59	+17 46.4	1.883	2.848	5.4	21.6
3 2	9 6.95	+18 35.8	1.942	2.856	9.4	21.8
3 12	9 0.38	+19 12.6	2.027	2.863	12.8	22.1

500990 2013 RC_{12} 2 9.0 226°.56 1°.2/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 53.81	+ 9 37.8	2.196	2.959	14.0	22.6
1 12	9 49.51	+ 9 47.4	2.093	2.950	11.1	22.3
1 22	9 43.02	+10 9.4	2.013	2.941	7.7	22.1
2 1	9 34.80	+10 41.6	1.960	2.931	3.9	21.9
2 11	9 25.65	+11 20.4	1.936	2.921	1.3	21.6
2 21	9 16.51	+12 1.2	1.942	2.911	4.8	21.9
3 2	9 8.36	+12 39.5	1.977	2.900	8.6	22.1
3 12	9 2.01	+13 11.8	2.037	2.888	12.1	22.3

402552 2006 KQ_{91} 2 9.0 162°.60 3°.6/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.43	+ 3 6.6	1.931	2.676	16.2	21.6
1 12	9 50.16	+ 3 5.2	1.841	2.680	13.3	21.4
1 22	9 43.51	+ 3 22.0	1.773	2.684	9.7	21.2
2 1	9 35.03	+ 3 56.3	1.729	2.688	6.0	21.0
2 11	9 25.61	+ 4 45.0	1.714	2.691	3.6	20.9
2 21	9 16.30	+ 5 42.8	1.727	2.694	5.5	21.0
3 2	9 8.16	+ 6 43.7	1.769	2.696	9.2	21.2
3 12	9 2.05	+ 7 41.6	1.835	2.697	12.8	21.4

434327 2004 JA_{10} 2 9.0 247°.46 9°.3/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 49.18	−20 43.6	2.982	3.547	14.2	21.5
1 12	9 45.49	−21 31.3	2.870	3.534	13.1	21.4
1 22	9 40.12	−21 58.9	2.774	3.520	11.8	21.3
2 1	9 33.43	−22 2.9	2.698	3.506	10.5	21.1
2 11	9 26.00	−21 41.6	2.646	3.492	9.6	21.1
2 21	9 18.50	−20 55.6	2.618	3.477	9.3	21.0
3 2	9 11.65	−19 47.7	2.615	3.462	9.8	21.0
3 12	9 6.10	−18 23.5	2.638	3.446	11.0	21.1

310098 2010 PE_{76} 2 9.0 181°.20 0°.3/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.53	+11 36.6	2.138	2.906	14.1	22.0
1 12	9 50.84	+12 0.3	2.046	2.908	11.1	21.8
1 22	9 43.88	+12 35.9	1.976	2.908	7.6	21.5
2 1	9 35.18	+13 20.1	1.934	2.908	3.5	21.3
2 11	9 25.59	+14 8.2	1.921	2.908	0.8	21.1
2 21	9 16.09	+14 55.0	1.939	2.906	5.0	21.4
3 2	9 7.69	+15 35.9	1.986	2.904	8.9	21.6
3 12	9 1.21	+16 7.8	2.058	2.902	12.3	21.8

272857 2006 BC_{46} 2 9.0 300°.91 0°.5/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.92	+15 44.5	1.983	2.769	14.5	20.2
1 12	9 50.57	+15 48.1	1.891	2.765	11.3	20.0
1 22	9 43.80	+15 59.8	1.823	2.761	7.6	19.8
2 1	9 35.17	+16 16.1	1.780	2.757	3.4	19.5
2 11	9 25.60	+16 32.7	1.767	2.753	1.1	19.3
2 21	9 16.16	+16 45.5	1.783	2.749	5.4	19.6
3 2	9 7.95	+16 51.6	1.826	2.745	9.5	19.8
3 12	9 1.80	+16 49.2	1.894	2.742	13.1	20.0

54148 2000 HS_{41} 2 9.0 226°.19 2°.9/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.93	+17 33.8	1.824	2.625	15.0	17.9
1 12	9 48.58	+18 55.8	1.740	2.624	11.6	17.7
1 22	9 42.66	+20 30.5	1.680	2.623	7.7	17.5
2 1	9 34.72	+22 10.4	1.647	2.622	3.9	17.2
2 11	9 25.69	+23 46.1	1.643	2.621	3.6	17.2
2 21	9 16.74	+25 9.1	1.667	2.620	7.3	17.4
3 2	9 9.04	+26 13.5	1.719	2.618	11.2	17.7
3 12	9 3.54	+26 56.8	1.793	2.617	14.7	17.9

116255 2003 YA_{27} 2 9.0 357°.36 0°.8/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 48.57	+14 51.4	1.577	2.388	16.5	19.4
1 12	9 46.21	+15 12.9	1.496	2.383	12.9	19.1
1 22	9 41.18	+15 46.8	1.436	2.380	8.6	18.9
2 1	9 34.05	+16 28.8	1.400	2.378	3.9	18.6
2 11	9 25.87	+17 12.3	1.391	2.377	1.5	18.4
2 21	9 17.86	+17 51.0	1.409	2.377	6.3	18.7
3 2	9 11.24	+18 19.8	1.452	2.378	10.9	19.0
3 12	9 6.96	+18 35.5	1.517	2.380	14.9	19.2

169365 2001 UO_{96} 2 9.0 101°.75 3°.8/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 49.25	+ 0 0.3	2.484	3.207	13.6	20.8
1 12	9 45.57	+ 0 3.6	2.395	3.216	11.2	20.6
1 22	9 40.14	+ 0 23.4	2.328	3.225	8.5	20.5
2 1	9 33.41	+ 0 59.0	2.286	3.234	5.7	20.3
2 11	9 26.05	+ 1 48.0	2.273	3.243	3.9	20.2
2 21	9 18.80	+ 2 46.5	2.289	3.251	4.8	20.3
3 2	9 12.40	+ 3 49.4	2.335	3.260	7.4	20.4
3 12	9 7.48	+ 4 51.9	2.407	3.268	10.1	20.6

429935 2012 TD_{287} 2 9.0 160°.45 1°.6/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.78	+18 58.9	2.577	3.358	11.7	21.5
1 12	9 49.07	+19 21.4	2.489	3.361	9.0	21.3
1 22	9 42.46	+19 48.8	2.427	3.364	6.0	21.1
2 1	9 34.46	+20 17.2	2.392	3.367	2.8	20.9
2 11	9 25.80	+20 42.6	2.388	3.370	2.0	20.9
2 21	9 17.28	+21 1.6	2.415	3.373	4.9	21.1
3 2	9 9.73	+21 11.9	2.470	3.375	8.0	21.3
3 12	9 3.79	+21 12.4	2.551	3.377	10.8	21.5

281113 2007 AV_{21} 2 9.0 38°.41 3°.3/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 53.98	+17 23.7	1.144	1.973	20.3	20.0
1 12	9 51.34	+18 23.8	1.083	1.981	15.8	19.7
1 22	9 45.06	+19 39.3	1.042	1.990	10.5	19.4
2 1	9 35.92	+21 0.8	1.023	2.000	5.1	19.2
2 11	9 25.43	+22 15.9	1.029	2.010	4.0	19.1
2 21	9 15.40	+23 14.2	1.059	2.021	9.0	19.5
3 2	9 7.50	+23 49.7	1.113	2.032	14.1	19.8
3 12	9 2.88	+24 1.6	1.187	2.044	18.6	20.1

505978 2015 FF_{368} 2 9.1 195°.91 3°.8/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.41	+ 2 23.0	2.327	3.061	14.1	21.4
1 12	9 47.43	+ 2 4.6	2.231	3.061	11.6	21.2
1 22	9 41.49	+ 2 0.7	2.156	3.060	8.7	21.0
2 1	9 34.07	+ 2 11.5	2.107	3.060	5.7	20.8
2 11	9 25.89	+ 2 35.2	2.087	3.059	3.8	20.7
2 21	9 17.78	+ 3 8.6	2.096	3.058	5.1	20.8
3 2	9 10.58	+ 3 47.5	2.133	3.057	8.0	20.9
3 12	9 5.00	+ 4 27.5	2.196	3.057	11.0	21.1

286824 2002 LE_{62} 2 9.1 242°.91 2°.7/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.98	+18 21.0	2.083	2.872	13.8	21.4
1 12	9 50.81	+19 30.1	1.978	2.854	10.8	21.1
1 22	9 44.16	+20 50.4	1.897	2.837	7.2	20.9
2 1	9 35.45	+22 15.8	1.844	2.818	3.7	20.6
2 11	9 25.53	+23 38.3	1.821	2.798	3.4	20.6
2 21	9 15.48	+24 50.4	1.827	2.778	6.9	20.7
3 2	9 6.47	+25 46.6	1.862	2.758	10.8	20.9
3 12	8 59.47	+26 24.4	1.921	2.736	14.2	21.1

402325 2005 UF_{56} 2 9.1 89°.87 7°.4/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.39	− 7 10.6	2.072	2.758	17.0	20.7
1 12	9 49.82	− 7 55.7	1.998	2.779	14.6	20.5
1 22	9 43.10	− 8 19.1	1.943	2.801	11.9	20.4
2 1	9 34.78	− 8 18.8	1.911	2.822	9.3	20.3
2 11	9 25.74	− 7 55.0	1.905	2.842	7.6	20.2
2 21	9 16.93	− 7 11.1	1.927	2.863	7.8	20.3
3 2	9 9.28	− 6 12.7	1.975	2.883	9.6	20.4
3 12	9 3.51	− 5 6.9	2.049	2.903	12.0	20.6

322281 2011 FL_{11} 2 9.1 199°.00 1°.1/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.08	+15 33.0	2.191	2.976	13.3	20.8
1 12	9 48.15	+16 7.6	2.101	2.975	10.4	20.6
1 22	9 42.08	+16 51.6	2.036	2.974	6.9	20.4
2 1	9 34.37	+17 40.7	1.997	2.973	3.1	20.2
2 11	9 25.83	+18 29.6	1.988	2.972	1.6	20.1
2 21	9 17.40	+19 13.3	2.008	2.971	5.3	20.3
3 2	9 10.01	+19 47.7	2.056	2.969	8.9	20.5
3 12	9 4.42	+20 10.7	2.130	2.968	12.2	20.7

338291 2002 UJ_{27} 2 9.1 85°.76 3°.2/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.52	+ 6 9.6	1.411	2.187	19.8	21.0
1 12	9 53.21	+ 6 1.2	1.344	2.205	15.9	20.8
1 22	9 45.83	+ 6 13.1	1.296	2.222	11.3	20.6
2 1	9 36.14	+ 6 43.7	1.272	2.239	6.4	20.4
2 11	9 25.41	+ 7 28.0	1.273	2.256	3.2	20.2
2 21	9 15.09	+ 8 19.1	1.302	2.272	6.4	20.4
3 2	9 6.55	+ 9 9.8	1.357	2.288	11.0	20.7
3 12	9 0.74	+ 9 54.1	1.435	2.304	15.2	21.0

304805 2007 PD_{27} 2 9.1 65°.04 2°.9/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.80	+19 29.8	1.448	2.257	17.8	20.9
1 12	9 53.48	+20 7.0	1.386	2.273	13.8	20.7
1 22	9 46.01	+20 52.6	1.346	2.289	9.1	20.5
2 1	9 36.21	+21 39.3	1.330	2.305	4.5	20.2
2 11	9 25.41	+22 18.8	1.341	2.321	3.5	20.2
2 21	9 15.10	+22 44.8	1.379	2.338	7.7	20.5
3 2	9 6.69	+22 54.1	1.442	2.354	12.1	20.8
3 12	9 1.09	+22 47.0	1.527	2.370	15.9	21.1

235993 2005 FQ_{12} 2 9.1 272°.61 5°.2/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.94	+28 31.5	2.185	2.985	12.8	20.1
1 12	9 50.58	+29 27.3	2.103	2.981	10.2	19.9
1 22	9 43.81	+30 23.4	2.045	2.976	7.4	19.8
2 1	9 35.19	+31 13.1	2.014	2.971	5.4	19.6
2 11	9 25.64	+31 49.5	2.011	2.967	5.8	19.6
2 21	9 16.26	+32 8.2	2.037	2.962	8.1	19.8
3 2	9 8.12	+32 7.5	2.089	2.958	11.0	19.9
3 12	9 2.06	+31 48.4	2.163	2.953	13.7	20.1

104138 2000 EQ_{64} 2 9.1 127°.52 3°.0/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 50.12	+ 3 7.7	2.326	3.066	13.9	19.8
1 12	9 46.41	+ 3 14.8	2.234	3.071	11.3	19.6
1 22	9 40.81	+ 3 37.6	2.164	3.075	8.3	19.4
2 1	9 33.77	+ 4 15.1	2.121	3.079	5.1	19.2
2 11	9 26.01	+ 5 4.3	2.105	3.083	3.0	19.1
2 21	9 18.35	+ 6 0.8	2.120	3.087	4.6	19.2
3 2	9 11.60	+ 6 59.7	2.163	3.090	7.8	19.4
3 12	9 6.44	+ 7 55.9	2.233	3.094	10.8	19.6

68073 2000 YZ_{84} 2 9.1 111°.22 0°.7/ 8.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 56.10	+12 59.6	1.822	2.603	15.7	19.6
1 12	9 51.52	+13 51.3	1.751	2.622	12.2	19.4
1 22	9 44.42	+14 56.5	1.703	2.641	8.1	19.2
2 1	9 35.44	+16 9.6	1.682	2.659	3.6	19.0
2 11	9 25.61	+17 23.1	1.690	2.676	1.4	18.9
2 21	9 16.08	+18 29.9	1.728	2.692	5.8	19.2
3 2	9 7.94	+19 24.7	1.794	2.709	9.9	19.5
3 12	9 2.02	+20 4.7	1.883	2.724	13.4	19.7

1887 Virton 2 9.1 102°.59 2°.3/ 7.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.63	+21 1.9	2.298	3.085	12.7	16.0
1 12	9 50.69	+21 25.1	2.221	3.096	9.8	15.8
1 22	9 43.62	+21 52.0	2.168	3.106	6.6	15.6
2 1	9 35.02	+22 18.1	2.143	3.117	3.3	15.5
2 11	9 25.73	+22 38.9	2.148	3.127	2.7	15.4
2 21	9 16.70	+22 50.7	2.183	3.137	5.6	15.6
3 2	9 8.84	+22 51.7	2.246	3.147	8.9	15.8
3 12	9 2.85	+22 41.5	2.334	3.157	11.8	16.1

169617 2002 GC_{128} 2 9.1 225°.11 3°.8/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.47	+22 35.0	1.799	2.598	15.2	20.4
1 12	9 53.79	+23 17.6	1.711	2.592	11.9	20.2
1 22	9 46.24	+24 5.8	1.646	2.585	8.2	19.9
2 1	9 36.40	+24 52.7	1.607	2.578	4.6	19.7
2 11	9 25.37	+25 30.5	1.596	2.571	4.3	19.7
2 21	9 14.48	+25 53.4	1.614	2.563	7.8	19.8
3 2	9 5.05	+25 58.5	1.658	2.555	11.7	20.0
3 12	8 58.11	+25 46.0	1.725	2.546	15.3	20.3

216892 2009 DS_{83} 2 9.1 154°.28 2°.0/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.27	+18 19.5	1.998	2.785	14.4	20.7
1 12	9 52.35	+18 56.3	1.917	2.792	11.1	20.5
1 22	9 44.96	+19 40.9	1.859	2.798	7.4	20.3
2 1	9 35.71	+20 27.7	1.829	2.804	3.5	20.1
2 11	9 25.56	+21 10.6	1.827	2.809	2.5	20.0
2 21	9 15.62	+21 44.3	1.856	2.814	6.1	20.3
3 2	9 6.98	+22 5.6	1.912	2.818	9.9	20.5
3 12	9 0.49	+22 13.2	1.993	2.821	13.3	20.7

377368 2004 RP_{142} 2 9.1 205°.64 2°.8/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.35	+ 2 39.9	2.516	3.246	13.2	22.1
1 12	9 47.31	+ 3 1.4	2.410	3.241	10.8	21.9
1 22	9 41.41	+ 3 38.9	2.327	3.235	7.9	21.7
2 1	9 34.07	+ 4 31.3	2.270	3.229	4.8	21.5
2 11	9 25.95	+ 5 35.5	2.243	3.222	2.8	21.4
2 21	9 17.83	+ 6 46.8	2.247	3.214	4.4	21.5
3 2	9 10.52	+ 7 59.8	2.281	3.206	7.6	21.7
3 12	9 4.70	+ 9 9.4	2.342	3.197	10.6	21.8

92565 2000 ON_{52} 2 9.1 169°.55 2°.1/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.09	+ 8 1.6	1.878	2.639	16.1	19.2
1 12	9 52.32	+ 7 58.1	1.789	2.642	12.9	19.0
1 22	9 45.03	+ 8 9.1	1.721	2.645	9.1	18.8
2 1	9 35.78	+ 8 32.9	1.679	2.648	4.9	18.6
2 11	9 25.54	+ 9 5.8	1.666	2.650	2.1	18.4
2 21	9 15.44	+ 9 43.0	1.682	2.651	5.4	18.6
3 2	9 6.61	+10 19.5	1.726	2.652	9.5	18.8
3 12	8 59.95	+10 51.0	1.795	2.652	13.3	19.1

496796 2017 HD_{46} 2 9.1 182°.99 0°.4/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.22	+12 28.3	2.009	2.787	14.6	22.2
1 12	9 50.03	+13 10.8	1.919	2.787	11.5	21.9
1 22	9 43.47	+14 6.7	1.852	2.787	7.7	21.7
2 1	9 35.07	+15 11.6	1.811	2.787	3.5	21.5
2 11	9 25.71	+16 19.3	1.800	2.786	1.1	21.3
2 21	9 16.44	+17 23.3	1.819	2.785	5.4	21.6
3 2	9 8.31	+18 18.2	1.866	2.783	9.5	21.8
3 12	9 2.17	+19 0.6	1.938	2.781	13.0	22.0

327977 2007 FO_{34} 2 9.1 252°.03 3°.5/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.06	+21 47.4	1.955	2.756	14.1	20.7
1 12	9 50.09	+22 39.7	1.870	2.752	11.0	20.4
1 22	9 43.60	+23 38.3	1.808	2.749	7.5	20.2
2 1	9 35.15	+24 36.7	1.773	2.745	4.2	20.0
2 11	9 25.70	+25 27.6	1.766	2.741	4.1	20.0
2 21	9 16.36	+26 5.3	1.788	2.737	7.2	20.2
3 2	9 8.30	+26 26.2	1.837	2.733	10.9	20.4
3 12	9 2.39	+26 29.9	1.909	2.729	14.1	20.6

211515 2003 QE_{51} 2 9.1 104°.64 2°.3/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.74	+18 36.1	1.778	2.570	15.7	20.8
1 12	9 53.63	+19 15.8	1.712	2.589	12.1	20.6
1 22	9 45.85	+20 3.3	1.668	2.608	8.0	20.4
2 1	9 36.10	+20 52.3	1.650	2.626	3.8	20.1
2 11	9 25.50	+21 35.9	1.662	2.643	2.8	20.1
2 21	9 15.29	+22 8.5	1.702	2.660	6.6	20.4
3 2	9 6.65	+22 27.0	1.770	2.677	10.5	20.6
3 12	9 0.42	+22 30.9	1.861	2.693	14.0	20.9

400342 2007 UY_{132} 2 9.1 187°.32 0°.4/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 55.86	+13 12.5	2.167	2.938	13.9	22.2
1 12	9 51.13	+13 47.8	2.073	2.938	10.9	22.0
1 22	9 44.12	+14 34.5	2.003	2.937	7.3	21.8
2 1	9 35.35	+15 28.6	1.960	2.935	3.3	21.5
2 11	9 25.67	+16 24.7	1.947	2.933	1.0	21.3
2 21	9 16.05	+17 17.3	1.965	2.930	5.2	21.6
3 2	9 7.51	+18 1.6	2.011	2.926	9.0	21.9
3 12	9 0.88	+18 34.8	2.083	2.921	12.4	22.1

163555 2002 TK_{117} 2 9.1 136°.65 1°.6/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.36	+ 8 59.6	2.497	3.250	12.7	20.4
1 12	9 48.74	+ 8 54.8	2.407	3.258	10.1	20.2
1 22	9 42.26	+ 9 0.2	2.341	3.265	7.1	20.0
2 1	9 34.41	+ 9 14.2	2.303	3.272	3.8	19.8
2 11	9 25.91	+ 9 34.1	2.294	3.278	1.6	19.7
2 21	9 17.55	+ 9 56.8	2.316	3.284	4.2	19.9
3 2	9 10.13	+10 19.1	2.367	3.290	7.4	20.1
3 12	9 4.27	+10 38.2	2.445	3.296	10.4	20.3

285673 2000 SG_{132} 2 9.1 182°.02 6°.9/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 49.54	−15 53.4	3.436	4.028	12.1	22.1
1 12	9 45.41	−16 24.2	3.332	4.029	10.9	22.0
1 22	9 39.88	−16 38.1	3.246	4.029	9.5	21.9
2 1	9 33.30	−16 33.3	3.184	4.029	8.1	21.8
2 11	9 26.18	−16 9.3	3.147	4.028	7.2	21.7
2 21	9 19.08	−15 27.6	3.138	4.027	7.0	21.7
3 2	9 12.57	−14 30.9	3.157	4.025	7.7	21.8
3 12	9 7.16	−13 23.9	3.201	4.023	8.9	21.9

207041 2004 XX_{17} 2 9.1 18°.68 3°.6/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 48.55	+ 1 35.9	1.364	2.142	20.3	19.9
1 12	9 46.53	+ 2 10.6	1.285	2.144	16.6	19.7
1 22	9 41.61	+ 3 15.6	1.225	2.148	12.1	19.4
2 1	9 34.36	+ 4 49.0	1.187	2.152	7.2	19.2
2 11	9 25.90	+ 6 43.6	1.175	2.157	3.6	19.0
2 21	9 17.59	+ 8 48.0	1.189	2.162	6.4	19.1
3 2	9 10.79	+10 49.6	1.229	2.167	11.3	19.4
3 12	9 6.57	+12 37.7	1.293	2.174	15.8	19.7

15613 2000 GH_{136} 2 9.1 358°.90 3°.9/12.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 47.83	+ 1 11.0	1.527	2.295	18.9	17.2
1 12	9 45.70	+ 1 35.2	1.441	2.293	15.5	16.9
1 22	9 40.92	+ 2 26.6	1.374	2.292	11.5	16.7
2 1	9 34.02	+ 3 44.2	1.330	2.292	7.1	16.4
2 11	9 25.98	+ 5 22.5	1.312	2.292	4.0	16.3
2 21	9 18.03	+ 7 12.5	1.321	2.292	6.1	16.4
3 2	9 11.40	+ 9 3.3	1.357	2.293	10.5	16.6
3 12	9 7.09	+10 45.2	1.416	2.295	14.7	16.9

95564 2002 EL_{102} 2 9.1 281°.47 3°.7/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.84	+ 4 58.6	1.996	2.748	15.6	19.6
1 12	9 49.75	+ 4 28.2	1.897	2.740	12.7	19.4
1 22	9 43.31	+ 4 11.7	1.819	2.732	9.4	19.2
2 1	9 35.03	+ 4 9.3	1.766	2.725	5.9	19.0
2 11	9 25.75	+ 4 19.7	1.741	2.717	3.7	18.8
2 21	9 16.50	+ 4 39.6	1.744	2.710	5.6	18.9
3 2	9 8.33	+ 5 5.0	1.776	2.702	9.2	19.1
3 12	9 2.11	+ 5 31.2	1.832	2.695	12.7	19.3

494722 2005 SD_{233} 2 9.1 150°.02 6°.5/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.63	− 9 44.4	2.635	3.287	14.4	22.4
1 12	9 48.12	−10 1.6	2.542	3.298	12.5	22.3
1 22	9 41.84	− 9 59.0	2.469	3.309	10.3	22.1
2 1	9 34.23	− 9 35.1	2.420	3.318	8.2	22.0
2 11	9 25.97	− 8 50.8	2.398	3.327	6.7	21.9
2 21	9 17.81	− 7 48.9	2.405	3.336	6.8	21.9
3 2	9 10.49	− 6 34.4	2.441	3.343	8.2	22.0
3 12	9 4.65	− 5 13.4	2.504	3.350	10.3	22.2

405121 2002 GF_{2} 2 9.1 231°.82 2°.0/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.65	+14 10.7	1.748	2.542	15.8	20.8
1 12	9 49.31	+15 31.8	1.658	2.537	12.3	20.6
1 22	9 43.30	+17 10.1	1.590	2.532	8.2	20.3
2 1	9 35.13	+18 58.8	1.549	2.526	3.8	20.0
2 11	9 25.74	+20 48.0	1.537	2.520	2.7	19.9
2 21	9 16.34	+22 28.0	1.554	2.513	7.0	20.2
3 2	9 8.18	+23 50.9	1.599	2.507	11.4	20.4
3 12	9 2.31	+24 52.7	1.666	2.500	15.2	20.6

493396 2014 WD_{163} 2 9.1 151°.47 2°.8/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.65	+21 47.7	2.396	3.179	12.4	22.0
1 12	9 52.24	+22 33.6	2.318	3.190	9.6	21.9
1 22	9 44.69	+23 23.6	2.264	3.200	6.5	21.7
2 1	9 35.55	+24 12.2	2.238	3.209	3.6	21.5
2 11	9 25.67	+24 53.9	2.243	3.218	3.3	21.5
2 21	9 16.00	+25 24.4	2.279	3.226	6.0	21.7
3 2	9 7.46	+25 41.4	2.343	3.233	9.1	21.9
3 12	9 0.79	+25 44.6	2.432	3.239	11.9	22.1

273137 2006 GF_{49} 2 9.1 40°.25 2°.8/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 50.18	+16 54.0	1.771	2.576	15.2	19.5
1 12	9 47.18	+18 18.6	1.700	2.586	11.7	19.3
1 22	9 41.70	+19 55.6	1.652	2.596	7.7	19.1
2 1	9 34.30	+21 37.3	1.631	2.606	3.8	18.9
2 11	9 25.97	+23 14.2	1.638	2.617	3.4	18.9
2 21	9 17.84	+24 38.0	1.674	2.628	7.1	19.1
3 2	9 11.00	+25 43.1	1.736	2.639	10.9	19.4
3 12	9 6.33	+26 27.1	1.822	2.651	14.3	19.6

491597 2012 SU_{61} 2 9.1 175°.10 0°.3/ 9.3 17

1 2	9 51.75	+11 59.4	2.834	3.595	11.2	22.8
1 12	9 47.35	+12 21.2	2.739	3.598	8.8	22.7
1 22	9 41.29	+12 51.6	2.669	3.599	5.9	22.5
2 1	9 33.98	+13 28.0	2.627	3.601	2.8	22.3
2 11	9 26.07	+14 7.1	2.616	3.602	0.6	22.1
2 21	9 18.23	+14 45.3	2.635	3.602	3.9	22.3
3 2	9 11.17	+15 19.4	2.685	3.602	6.9	22.5
3 12	9 5.48	+15 47.0	2.762	3.602	9.7	22.7

372694 2009 WL_{206} 2 9.1 143°.84 0°.7/ 8.5 18

1 2	9 54.43	+15 14.3	2.203	2.982	13.4	21.9
1 12	9 49.89	+15 37.1	2.118	2.988	10.5	21.7
1 22	9 43.21	+16 8.4	2.057	2.994	7.0	21.5
2 1	9 34.91	+16 44.6	2.023	2.999	3.1	21.2
2 11	9 25.84	+17 20.7	2.019	3.004	1.2	21.1
2 21	9 16.94	+17 52.4	2.045	3.009	5.0	21.4
3 2	9 9.14	+18 16.3	2.099	3.014	8.7	21.6
3 12	9 3.19	+18 30.5	2.179	3.018	11.9	21.8

496843 1999 RH_{243} 2 9.1 186°.01 1°.1/ 9.9 18

1 2	9 51.74	+ 9 5.2	2.156	2.923	14.1	21.8
1 12	9 47.91	+ 9 27.2	2.064	2.923	11.2	21.6
1 22	9 41.96	+10 2.9	1.994	2.923	7.7	21.4
2 1	9 34.38	+10 49.6	1.950	2.922	3.9	21.1
2 11	9 25.96	+11 42.9	1.936	2.922	1.2	20.9
2 21	9 17.63	+12 37.7	1.951	2.921	4.7	21.2
3 2	9 10.31	+13 28.9	1.995	2.920	8.5	21.4
3 12	9 4.76	+14 12.5	2.065	2.919	11.9	21.6

243815 2000 SB_{297} 2 9.1 208°.02 2°.3/11.6 17

1 2	9 50.16	+ 4 4.2	3.252	3.976	10.6	22.1
1 12	9 45.94	+ 4 7.3	3.142	3.969	8.6	22.0
1 22	9 40.27	+ 4 21.1	3.055	3.962	6.3	21.8
2 1	9 33.51	+ 4 44.9	2.997	3.954	3.9	21.6
2 11	9 26.19	+ 5 16.7	2.969	3.945	2.3	21.5
2 21	9 18.87	+ 5 53.8	2.972	3.936	3.6	21.6
3 2	9 12.16	+ 6 33.3	3.005	3.927	6.1	21.7
3 12	9 6.58	+ 7 12.0	3.067	3.917	8.5	21.9

308961 2006 TJ_{47} 2 9.1 200°.83 2°.0/10.6 18

1 2	9 53.71	+ 7 14.4	2.033	2.793	15.1	20.9
1 12	9 49.60	+ 7 24.5	1.938	2.791	12.1	20.7
1 22	9 43.19	+ 7 49.7	1.864	2.788	8.5	20.5
2 1	9 34.99	+ 8 28.2	1.816	2.784	4.6	20.2
2 11	9 25.84	+ 9 16.2	1.797	2.781	2.0	20.0
2 21	9 16.75	+10 8.4	1.807	2.777	5.0	20.2
3 2	9 8.73	+10 59.5	1.846	2.772	8.9	20.4
3 12	9 2.63	+11 44.7	1.910	2.767	12.5	20.7

33479 1999 GO 2 9.1 190°.04 0°.3/ 8.8 18

1 2	9 51.48	+14 4.7	2.805	3.574	11.1	19.2
1 12	9 47.20	+14 28.7	2.709	3.573	8.7	19.0
1 22	9 41.22	+15 0.3	2.637	3.571	5.8	18.8
2 1	9 33.98	+15 36.7	2.594	3.570	2.6	18.6
2 11	9 26.10	+16 14.3	2.582	3.567	0.8	18.5
2 21	9 18.29	+16 49.4	2.600	3.565	4.1	18.7
3 2	9 11.26	+17 19.0	2.648	3.562	7.2	18.9
3 12	9 5.63	+17 41.1	2.722	3.559	9.9	19.1

81659 2000 HS_{87} 2 9.1 302°.77 0°.3/ 9.3 18

1 2	9 50.76	+10 48.2	1.663	2.455	16.6	19.6
1 12	9 47.96	+11 20.0	1.566	2.441	13.2	19.4
1 22	9 42.48	+12 9.2	1.490	2.428	9.0	19.1
2 1	9 34.80	+13 12.4	1.439	2.415	4.2	18.8
2 11	9 25.87	+14 23.1	1.415	2.401	0.9	18.5
2 21	9 16.90	+15 33.5	1.419	2.389	6.0	18.8
3 2	9 9.16	+16 36.3	1.449	2.376	10.9	19.1
3 12	9 3.72	+17 26.2	1.503	2.364	15.1	19.3

50573 2000 EX_{39} 2 9.1 9°.93 5°.1/ 6.6 18

1 2	9 54.43	+24 9.0	1.236	2.069	18.8	17.2
1 12	9 51.62	+24 43.6	1.173	2.071	14.8	17.0
1 22	9 45.22	+25 22.6	1.128	2.074	10.2	16.7
2 1	9 36.05	+25 57.0	1.106	2.079	6.0	16.5
2 11	9 25.61	+26 17.4	1.109	2.085	5.7	16.5
2 21	9 15.66	+26 17.8	1.137	2.092	9.6	16.7
3 2	9 7.82	+25 56.5	1.188	2.100	14.1	17.0
3 12	9 3.18	+25 15.9	1.258	2.109	18.1	17.3

247440 2002 EP_{73} 2 9.1 291°.83 0°.7/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 53.35	+11 19.0	1.546	2.340	17.6	20.6
1 12	9 50.23	+11 31.2	1.449	2.325	14.0	20.3
1 22	9 44.15	+11 59.6	1.373	2.310	9.6	20.0
2 1	9 35.62	+12 41.2	1.321	2.296	4.6	19.7
2 11	9 25.68	+13 30.4	1.295	2.281	1.1	19.4
2 21	9 15.68	+14 20.1	1.297	2.267	6.3	19.7
3 2	9 7.05	+15 3.7	1.324	2.253	11.5	20.0
3 12	9 0.97	+15 36.4	1.374	2.239	16.0	20.2

429732 2011 LZ_{8} 2 9.1 102°.04 0°.0/ 8.9 18

1 2	9 51.09	+ 9 33.5	2.681	3.437	11.9	21.3
1 12	9 46.87	+10 43.7	2.603	3.459	9.3	21.2
1 22	9 40.97	+12 6.2	2.550	3.480	6.2	21.0
2 1	9 33.85	+13 36.6	2.526	3.500	2.8	20.8
2 11	9 26.15	+15 9.6	2.535	3.521	0.7	20.7
2 21	9 18.58	+16 39.2	2.575	3.541	4.1	21.0
3 2	9 11.87	+18 0.7	2.647	3.560	7.2	21.2
3 12	9 6.57	+19 10.6	2.745	3.579	9.9	21.4

58142 1983 RW_{3} 2 9.1 165°.83 4°.6/ 6.3 18

1 2	10 4.08	+25 59.7	1.884	2.674	15.0	19.8
1 12	9 57.93	+26 36.2	1.805	2.679	11.8	19.6
1 22	9 48.86	+27 13.9	1.750	2.683	8.2	19.4
2 1	9 37.58	+27 45.4	1.721	2.687	5.2	19.3
2 11	9 25.27	+28 3.6	1.722	2.690	5.1	19.3
2 21	9 13.31	+28 4.2	1.752	2.693	8.0	19.4
3 2	9 3.02	+27 46.3	1.809	2.695	11.6	19.6
3 12	8 55.33	+27 11.9	1.889	2.696	14.8	19.9

146259 2001 BL_{7} 2 9.1 224°.42 2°.1/ 7.8 18

1 2	9 57.43	+16 42.1	1.506	2.308	17.6	20.5
1 12	9 53.49	+17 24.8	1.420	2.303	13.8	20.3
1 22	9 46.36	+18 20.7	1.355	2.297	9.2	20.0
2 1	9 36.62	+19 23.6	1.314	2.291	4.3	19.7
2 11	9 25.46	+20 24.5	1.301	2.284	2.8	19.6
2 21	9 14.38	+21 15.0	1.315	2.277	7.6	19.8
3 2	9 4.92	+21 49.6	1.355	2.270	12.5	20.1
3 12	8 58.25	+22 5.9	1.417	2.262	16.8	20.3

145327 2005 LA_{36} 2 9.1 8°.16 0°.1/ 8.9 18

1 2	9 53.30	+12 50.1	1.583	2.380	17.1	20.9
1 12	9 49.92	+13 12.7	1.502	2.380	13.4	20.6
1 22	9 43.72	+13 49.9	1.441	2.380	9.1	20.4
2 1	9 35.32	+14 37.3	1.405	2.381	4.1	20.1
2 11	9 25.79	+15 28.6	1.396	2.382	1.1	19.9
2 21	9 16.43	+16 16.7	1.414	2.383	6.2	20.2
3 2	9 8.53	+16 55.9	1.459	2.384	10.9	20.5
3 12	9 3.09	+17 22.6	1.526	2.386	15.0	20.7

93290 2000 SP_{196} 2 9.1 242°.49 2°.4/11.3 18

1 2	9 50.32	+ 3 41.9	2.055	2.807	15.2	20.0
1 12	9 47.00	+ 4 16.7	1.955	2.800	12.3	19.8
1 22	9 41.49	+ 5 11.4	1.875	2.794	8.9	19.6
2 1	9 34.24	+ 6 24.3	1.822	2.787	5.1	19.4
2 11	9 26.04	+ 7 50.4	1.797	2.779	2.4	19.2
2 21	9 17.83	+ 9 23.3	1.802	2.772	4.9	19.3
3 2	9 10.60	+10 55.2	1.836	2.765	8.8	19.5
3 12	9 5.17	+12 19.7	1.896	2.757	12.4	19.7

201214 2002 QD_{41} 2 9.1 119°.11 1°.0/ 8.2 18

1 2	9 53.40	+16 2.7	2.576	3.351	11.8	20.7
1 12	9 48.72	+16 36.2	2.499	3.367	9.1	20.5
1 22	9 42.23	+17 16.7	2.447	3.383	6.0	20.4
2 1	9 34.43	+18 0.3	2.423	3.399	2.7	20.2
2 11	9 26.03	+18 42.6	2.430	3.414	1.4	20.1
2 21	9 17.83	+19 19.7	2.468	3.429	4.6	20.3
3 2	9 10.59	+19 48.7	2.535	3.444	7.7	20.6
3 12	9 4.92	+20 7.8	2.628	3.458	10.4	20.8

330135 2005 YH_{137} 2 9.1 156°.58 0°.5/ 8.7 17

1 2	9 54.03	+14 29.0	2.082	2.864	14.0	21.6
1 12	9 49.76	+14 49.0	1.995	2.866	11.0	21.4
1 22	9 43.24	+15 18.5	1.931	2.868	7.3	21.2
2 1	9 34.99	+15 54.0	1.894	2.870	3.3	20.9
2 11	9 25.89	+16 30.6	1.886	2.871	1.1	20.7
2 21	9 16.94	+17 3.5	1.907	2.873	5.2	21.0
3 2	9 9.13	+17 29.0	1.957	2.874	9.0	21.3
3 12	9 3.25	+17 44.8	2.031	2.876	12.4	21.5

49347 1998 WQ_{4} 2 9.1 150°.34 1°.3/10.3 18

1 2	9 53.76	+ 6 27.0	2.393	3.138	13.4	19.4
1 12	9 49.19	+ 7 14.3	2.304	3.150	10.7	19.2
1 22	9 42.67	+ 8 16.9	2.239	3.161	7.4	19.0
2 1	9 34.69	+ 9 31.8	2.201	3.170	3.8	18.8
2 11	9 25.97	+10 53.8	2.195	3.179	1.3	18.6
2 21	9 17.36	+12 17.0	2.219	3.188	4.3	18.8
3 2	9 9.70	+13 35.6	2.275	3.195	7.8	19.1
3 12	9 3.68	+14 45.2	2.357	3.202	10.9	19.3

74943 1999 TW_{177} 2 9.1 147°.26 0°.7/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 56.48	+14 20.2	2.076	2.852	14.2	20.9
1 12	9 51.62	+14 55.3	1.995	2.863	11.1	20.7
1 22	9 44.45	+15 40.7	1.936	2.872	7.4	20.5
2 1	9 35.53	+16 32.2	1.905	2.881	3.3	20.2
2 11	9 25.78	+17 23.9	1.904	2.889	1.3	20.1
2 21	9 16.22	+18 10.4	1.933	2.897	5.3	20.4
3 2	9 7.87	+18 47.6	1.990	2.904	9.2	20.6
3 12	9 1.51	+19 13.2	2.073	2.910	12.5	20.8

496809 2017 KH 2 9.1 263°.40 3°.4/ 6.6 18

1 2	9 53.87	+18 41.4	1.616	2.424	16.3	21.1
1 12	9 50.56	+19 51.6	1.530	2.416	12.7	20.9
1 22	9 44.31	+21 14.4	1.466	2.409	8.5	20.6
2 1	9 35.67	+22 42.3	1.427	2.402	4.5	20.4
2 11	9 25.72	+24 5.1	1.416	2.394	4.1	20.3
2 21	9 15.80	+25 13.7	1.433	2.387	8.1	20.5
3 2	9 7.32	+26 2.3	1.476	2.379	12.5	20.8
3 12	9 1.39	+26 28.9	1.540	2.371	16.4	21.0

381995 2010 LO_{34} 2 9.1 19°.86 2°.2/ 7.0 18

1 2	9 49.88	+18 6.8	2.190	2.986	13.0	20.1
1 12	9 46.52	+19 4.9	2.107	2.988	10.0	19.9
1 22	9 41.06	+20 11.5	2.048	2.990	6.6	19.7
2 1	9 34.01	+21 21.2	2.017	2.992	3.3	19.5
2 11	9 26.15	+22 27.6	2.015	2.994	2.8	19.5
2 21	9 18.40	+23 24.9	2.042	2.997	5.9	19.7
3 2	9 11.68	+24 8.9	2.097	3.000	9.3	19.9
3 12	9 6.74	+24 37.8	2.176	3.003	12.4	20.1

134240 2005 YQ_{170} 2 9.1 341°.56 1°.4/ 8.5 18

1 2	9 56.44	+17 12.7	1.285	2.101	19.2	19.7
1 12	9 53.12	+17 14.8	1.206	2.096	15.1	19.5
1 22	9 46.30	+17 27.4	1.146	2.091	10.2	19.2
2 1	9 36.64	+17 45.4	1.109	2.086	4.7	18.8
2 11	9 25.51	+18 1.8	1.097	2.082	2.1	18.6
2 21	9 14.61	+18 10.6	1.111	2.079	7.6	19.0
3 2	9 5.61	+18 7.7	1.149	2.077	13.0	19.3
3 12	8 59.75	+17 52.1	1.208	2.075	17.7	19.5

341723 2007 VC_{218} 2 9.1 149°.81 3°.8/ 4.9 18

1 2	9 53.47	+26 42.9	2.862	3.650	10.4	21.5
1 12	9 48.80	+27 41.0	2.786	3.658	8.1	21.3
1 22	9 42.32	+28 40.0	2.735	3.666	5.8	21.2
2 1	9 34.50	+29 34.6	2.714	3.674	4.0	21.1
2 11	9 26.05	+30 19.8	2.722	3.680	4.3	21.1
2 21	9 17.74	+30 52.2	2.761	3.687	6.2	21.2
3 2	9 10.34	+31 9.9	2.828	3.693	8.6	21.4
3 12	9 4.47	+31 13.0	2.919	3.699	10.8	21.5

473211 2015 KB_{120} 2 9.1 334°.04 6°.9/13.1 17

1 2	9 51.52	− 1 31.4	1.935	2.664	16.7	20.1
1 12	9 48.12	− 2 40.0	1.833	2.651	14.3	19.8
1 22	9 42.36	− 3 32.7	1.751	2.638	11.4	19.6
2 1	9 34.71	− 4 6.4	1.693	2.625	8.6	19.4
2 11	9 25.99	− 4 19.8	1.661	2.614	7.0	19.3
2 21	9 17.21	− 4 14.2	1.655	2.603	7.7	19.3
3 2	9 9.46	− 3 53.0	1.675	2.593	10.3	19.4
3 12	9 3.65	− 3 21.9	1.720	2.583	13.4	19.6

337612 2001 TV_{45} 2 9.1 116°.24 9°.5/20.7 18

1 2	9 51.47	−21 32.9	2.880	3.436	14.8	21.4
1 12	9 47.22	−22 29.0	2.797	3.452	13.6	21.3
1 22	9 41.26	−23 3.8	2.731	3.467	12.2	21.2
2 1	9 34.03	−23 14.0	2.684	3.482	10.9	21.1
2 11	9 26.18	−22 58.2	2.660	3.496	9.9	21.1
2 21	9 18.42	−22 17.8	2.661	3.510	9.5	21.1
3 2	9 11.46	−21 16.1	2.687	3.524	9.9	21.1
3 12	9 5.91	−19 59.0	2.737	3.537	10.9	21.2

60798 2000 HV_{10} 2 9.1 46°.10 3°.5/11.1 18

1 2	9 53.99	+ 5 41.7	1.330	2.116	20.3	18.7
1 12	9 50.81	+ 5 30.6	1.258	2.124	16.4	18.4
1 22	9 44.50	+ 5 41.3	1.204	2.132	11.8	18.2
2 1	9 35.74	+ 6 13.0	1.173	2.140	6.8	17.9
2 11	9 25.79	+ 7 0.7	1.167	2.149	3.5	17.7
2 21	9 16.11	+ 7 57.3	1.187	2.158	6.6	17.9
3 2	9 8.17	+ 8 54.5	1.232	2.168	11.5	18.2
3 12	9 3.00	+ 9 45.3	1.299	2.178	15.9	18.5

9892 1995 YN_{3} 2 9.1 304°.84 3°.8/10.8 18

1 2	9 54.67	+ 7 24.2	1.374	2.162	19.7	17.4
1 12	9 51.64	+ 6 48.0	1.278	2.146	16.1	17.1
1 22	9 45.35	+ 6 28.5	1.202	2.130	11.7	16.8
2 1	9 36.30	+ 6 26.1	1.147	2.115	6.9	16.4
2 11	9 25.63	+ 6 38.9	1.118	2.100	3.8	16.2
2 21	9 14.84	+ 7 2.4	1.114	2.085	7.1	16.4
3 2	9 5.57	+ 7 30.7	1.135	2.070	12.3	16.6
3 12	8 59.14	+ 7 57.6	1.178	2.057	17.1	16.8

114651 2003 EZ_{52} 2 9.1 141°.96 2°.5/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 53.88	+18 22.3	2.252	3.039	12.9	19.9
1 12	9 49.53	+19 32.3	2.173	3.049	10.0	19.8
1 22	9 43.04	+20 50.7	2.119	3.058	6.6	19.6
2 1	9 34.93	+22 11.3	2.093	3.067	3.4	19.4
2 11	9 26.00	+23 27.3	2.097	3.075	3.0	19.4
2 21	9 17.21	+24 32.6	2.132	3.083	6.1	19.6
3 2	9 9.50	+25 23.1	2.195	3.090	9.4	19.8
3 12	9 3.61	+25 57.4	2.283	3.097	12.3	20.0

372898 2011 AW_{33} 2 9.1 294°.83 3°.3/ 6.6 17

1 2	9 52.50	+20 1.0	1.815	2.620	14.9	20.8
1 12	9 49.28	+20 57.4	1.717	2.602	11.6	20.6
1 22	9 43.38	+22 3.8	1.641	2.584	7.9	20.3
2 1	9 35.27	+23 13.6	1.592	2.565	4.2	20.0
2 11	9 25.89	+24 18.6	1.570	2.547	3.9	20.0
2 21	9 16.45	+25 11.3	1.576	2.529	7.6	20.1
3 2	9 8.22	+25 46.7	1.609	2.511	11.7	20.3
3 12	9 2.26	+26 2.9	1.664	2.493	15.4	20.5

222333 2000 UF_{80} 2 9.1 90°.70 6°.1/14.1 18

1 2	9 54.39	− 4 4.8	2.143	2.844	16.1	20.5
1 12	9 49.77	− 4 36.6	2.069	2.867	13.6	20.3
1 22	9 43.09	− 4 48.8	2.015	2.889	10.7	20.2
2 1	9 34.90	− 4 40.2	1.985	2.912	8.0	20.1
2 11	9 26.02	− 4 12.1	1.982	2.934	6.2	20.0
2 21	9 17.39	− 3 28.2	2.007	2.955	6.6	20.1
3 2	9 9.87	− 2 33.6	2.061	2.976	8.8	20.2
3 12	9 4.17	− 1 34.6	2.140	2.997	11.4	20.4

119986 2002 XZ_{52} 2 9.1 126°.56 1°.5/ 8.0 18

1 2	9 59.06	+15 16.3	1.752	2.537	16.2	20.1
1 12	9 54.01	+16 7.8	1.681	2.554	12.5	19.9
1 22	9 46.24	+17 11.3	1.633	2.571	8.3	19.7
2 1	9 36.43	+18 20.4	1.611	2.587	3.8	19.5
2 11	9 25.67	+19 27.2	1.618	2.602	2.1	19.4
2 21	9 15.22	+20 24.8	1.655	2.617	6.4	19.7
3 2	9 6.30	+21 8.3	1.720	2.630	10.6	19.9
3 12	8 59.80	+21 35.8	1.808	2.643	14.2	20.2

340539 2006 JR_{81} 2 9.1 244°.03 1°.3/10.2 17

1 2	9 51.62	+ 9 4.5	2.309	3.072	13.4	21.7
1 12	9 47.74	+ 9 13.4	2.209	3.065	10.7	21.5
1 22	9 41.85	+ 9 34.4	2.132	3.059	7.4	21.3
2 1	9 34.40	+10 5.5	2.081	3.052	3.9	21.1
2 11	9 26.13	+10 43.3	2.060	3.045	1.4	20.9
2 21	9 17.89	+11 23.5	2.068	3.038	4.5	21.1
3 2	9 10.57	+12 2.1	2.106	3.030	8.1	21.3
3 12	9 4.90	+12 35.4	2.169	3.023	11.4	21.5

24319 2000 AY_{15} 2 9.1 247°.03 2°.5/10.8 18

1 2	9 55.68	+ 7 0.2	2.079	2.832	15.0	19.2
1 12	9 51.26	+ 6 53.0	1.968	2.815	12.2	18.9
1 22	9 44.45	+ 6 59.7	1.878	2.798	8.7	18.7
2 1	9 35.69	+ 7 19.3	1.814	2.780	5.0	18.4
2 11	9 25.81	+ 7 49.2	1.779	2.761	2.5	18.2
2 21	9 15.81	+ 8 25.2	1.773	2.741	5.2	18.4
3 2	9 6.79	+ 9 2.8	1.796	2.721	9.2	18.6
3 12	8 59.70	+ 9 37.3	1.844	2.700	13.0	18.7

247885 2003 UU_{184} 2 9.1 199°.42 3°.3/ 6.7 18

1 2	9 58.62	+22 2.2	2.049	2.839	14.0	21.2
1 12	9 53.57	+22 47.0	1.960	2.835	10.9	21.0
1 22	9 45.95	+23 37.2	1.894	2.832	7.4	20.8
2 1	9 36.33	+24 26.5	1.856	2.827	4.1	20.6
2 11	9 25.68	+25 8.1	1.847	2.822	3.8	20.5
2 21	9 15.14	+25 36.7	1.868	2.816	7.0	20.7
3 2	9 5.88	+25 49.5	1.916	2.810	10.6	20.9
3 12	8 58.82	+25 46.1	1.988	2.803	13.8	21.1

184122 2004 HG_{62} 2 9.1 288°.08 7°.8/13.8 18

1 2	9 52.61	− 4 25.2	1.881	2.594	17.6	19.8
1 12	9 49.23	− 5 20.2	1.766	2.571	15.3	19.5
1 22	9 43.31	− 5 55.9	1.671	2.547	12.5	19.3
2 1	9 35.27	− 6 8.4	1.598	2.523	9.7	19.1
2 11	9 25.90	− 5 56.2	1.550	2.499	7.9	18.9
2 21	9 16.28	− 5 20.8	1.529	2.475	8.5	18.9
3 2	9 7.61	− 4 26.7	1.534	2.451	11.1	19.0
3 12	9 0.97	− 3 21.6	1.562	2.426	14.5	19.1

462671 2009 TK_{38} 2 9.1 153°.95 4°.4/12.5 18

1 2	9 54.25	+ 0 54.7	2.260	2.983	14.7	21.6
1 12	9 49.70	+ 0 32.4	2.168	2.989	12.2	21.4
1 22	9 43.11	+ 0 25.9	2.098	2.995	9.3	21.2
2 1	9 34.95	+ 0 35.4	2.053	3.000	6.3	21.0
2 11	9 26.02	+ 0 59.5	2.036	3.005	4.4	20.9
2 21	9 17.18	+ 1 34.8	2.049	3.009	5.5	21.0
3 2	9 9.34	+ 2 17.0	2.091	3.013	8.3	21.2
3 12	9 3.23	+ 3 1.0	2.159	3.016	11.3	21.4

54100 2000 HL_5 2 9.1 295°.68 9°.8/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 58.72	+36 31.0	1.698	2.506	15.6	18.6
1 12	9 54.84	+38 5.6	1.620	2.491	13.1	18.4
1 22	9 47.47	+39 36.6	1.564	2.476	10.8	18.2
2 1	9 37.24	+40 51.7	1.533	2.461	9.8	18.1
2 11	9 25.45	+41 39.7	1.527	2.446	10.7	18.1
2 21	9 13.78	+41 54.2	1.546	2.431	13.0	18.2
3 2	9 3.96	+41 34.3	1.587	2.417	15.9	18.4
3 12	8 57.23	+40 44.6	1.646	2.402	18.7	18.5

212053 2005 EP_{20} 2 9.1 215°.41 0°.3/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.81	+10 39.8	1.946	2.721	15.1	20.5
1 12	9 49.89	+11 16.7	1.850	2.715	12.0	20.2
1 22	9 43.54	+12 9.0	1.776	2.709	8.2	20.0
2 1	9 35.26	+13 12.8	1.728	2.703	3.8	19.7
2 11	9 25.93	+14 22.4	1.709	2.696	0.8	19.5
2 21	9 16.60	+15 30.9	1.720	2.688	5.4	19.8
3 2	9 8.39	+16 32.2	1.759	2.681	9.7	20.0
3 12	9 2.21	+17 21.9	1.823	2.672	13.4	20.2

65672 Merrick 2 9.1 199°.17 3°.7/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.75	− 1 30.7	2.319	3.029	14.8	20.8
1 12	9 49.41	− 0 54.5	2.211	3.025	12.3	20.6
1 22	9 43.00	+ 0 3.3	2.125	3.020	9.3	20.4
2 1	9 34.96	+ 1 22.0	2.064	3.014	6.0	20.1
2 11	9 26.01	+ 2 57.7	2.034	3.007	3.8	20.0
2 21	9 17.02	+ 4 44.2	2.035	3.000	5.0	20.1
3 2	9 8.91	+ 6 34.1	2.067	2.991	8.2	20.2
3 12	9 2.47	+ 8 19.8	2.126	2.982	11.5	20.4

236199 2005 WJ_{79} 2 9.1 71°.02 2°.2/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.80	+17 0.8	1.380	2.190	18.5	21.0
1 12	9 53.00	+17 41.7	1.313	2.200	14.4	20.7
1 22	9 45.96	+18 35.0	1.265	2.209	9.5	20.5
2 1	9 36.41	+19 33.6	1.243	2.219	4.4	20.2
2 11	9 25.68	+20 28.4	1.246	2.229	2.9	20.1
2 21	9 15.34	+21 11.4	1.276	2.239	7.6	20.4
3 2	9 6.85	+21 38.0	1.332	2.249	12.4	20.7
3 12	9 1.26	+21 46.8	1.409	2.260	16.5	21.0

225605 2000 YK_{42} 2 9.1 65°.22 3°.2/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.90	+ 6 0.8	1.860	2.619	16.3	20.1
1 12	9 50.51	+ 5 39.5	1.786	2.635	13.1	19.9
1 22	9 43.75	+ 5 33.2	1.733	2.651	9.4	19.7
2 1	9 35.25	+ 5 41.1	1.705	2.668	5.6	19.5
2 11	9 25.97	+ 6 0.6	1.705	2.684	3.2	19.4
2 21	9 16.96	+ 6 27.4	1.733	2.701	5.4	19.6
3 2	9 9.27	+ 6 57.0	1.789	2.718	9.0	19.8
3 12	9 3.65	+ 7 24.9	1.870	2.734	12.5	20.1

268103 2004 RA_{342} 2 9.1 142°.73 0°.2/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.24	+10 58.3	2.161	2.933	13.9	21.0
1 12	9 48.30	+11 34.4	2.075	2.939	10.9	20.8
1 22	9 42.24	+12 23.4	2.011	2.944	7.4	20.6
2 1	9 34.58	+13 21.7	1.975	2.949	3.4	20.4
2 11	9 26.11	+14 24.0	1.968	2.954	0.7	20.1
2 21	9 17.77	+15 24.7	1.991	2.959	4.8	20.5
3 2	9 10.46	+16 18.8	2.043	2.963	8.6	20.7
3 12	9 4.95	+17 2.7	2.120	2.967	11.9	20.9

225983 2002 CH_{225} 2 9.1 146°.64 0°.7/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.66	+ 9 38.6	2.067	2.838	14.5	20.8
1 12	9 47.96	+10 9.5	1.978	2.841	11.4	20.6
1 22	9 42.08	+10 54.7	1.912	2.843	7.8	20.3
2 1	9 34.53	+11 51.0	1.872	2.845	3.8	20.1
2 11	9 26.12	+12 53.3	1.862	2.848	0.9	19.9
2 21	9 17.82	+13 55.7	1.880	2.850	4.8	20.2
3 2	9 10.57	+14 52.8	1.928	2.851	8.8	20.4
3 12	9 5.17	+15 40.4	2.000	2.853	12.2	20.6

401495 2013 EG_3 2 9.1 81°.95 1°.9/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.19	+ 6 48.6	1.485	2.265	18.8	21.4
1 12	9 50.63	+ 7 15.7	1.414	2.279	15.0	21.2
1 22	9 44.21	+ 8 4.1	1.362	2.292	10.4	20.9
2 1	9 35.58	+ 9 10.6	1.335	2.306	5.4	20.7
2 11	9 25.90	+10 28.0	1.334	2.319	1.9	20.5
2 21	9 16.51	+11 47.7	1.361	2.332	6.0	20.8
3 2	9 8.70	+13 1.3	1.414	2.345	10.7	21.1
3 12	9 3.43	+14 2.8	1.491	2.358	14.9	21.4

174922 2004 CB_{28} 2 9.1 35°.29 1°.4/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.19	+15 47.9	1.569	2.372	16.9	20.5
1 12	9 50.64	+16 19.0	1.493	2.376	13.2	20.2
1 22	9 44.24	+17 2.2	1.438	2.380	8.8	20.0
2 1	9 35.61	+17 51.9	1.407	2.384	4.0	19.7
2 11	9 25.89	+18 40.8	1.404	2.389	2.0	19.6
2 21	9 16.42	+19 22.1	1.428	2.394	6.7	19.9
3 2	9 8.48	+19 51.0	1.479	2.399	11.2	20.1
3 12	9 3.06	+20 5.1	1.552	2.404	15.2	20.4

179953 2002 WL_{10} 2 9.1 124°.07 2°.6/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 56.01	+19 0.9	2.039	2.829	14.0	20.7
1 12	9 51.36	+20 0.4	1.967	2.843	10.8	20.5
1 22	9 44.34	+21 7.5	1.918	2.857	7.2	20.3
2 1	9 35.56	+22 15.9	1.897	2.871	3.7	20.1
2 11	9 25.94	+23 18.7	1.905	2.884	3.1	20.1
2 21	9 16.56	+24 9.9	1.943	2.896	6.4	20.3
3 2	9 8.46	+24 45.8	2.009	2.908	9.9	20.6
3 12	9 2.41	+25 5.6	2.099	2.919	13.0	20.8

227065 Romandia 2 9.1 268°.85 1°.4/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 48.30	+18 36.9	3.244	4.024	9.5	20.6
1 12	9 44.62	+19 7.1	3.144	4.016	7.3	20.4
1 22	9 39.48	+19 41.8	3.070	4.008	4.9	20.3
2 1	9 33.26	+20 18.2	3.024	3.999	2.3	20.1
2 11	9 26.49	+20 52.7	3.010	3.991	1.7	20.0
2 21	9 19.75	+21 22.4	3.026	3.983	4.1	20.2
3 2	9 13.66	+21 45.0	3.071	3.974	6.7	20.3
3 12	9 8.74	+21 58.9	3.143	3.966	9.0	20.5

21423 Credo 2 9.1 194°.33 1°.1/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.18	+ 8 24.3	1.773	2.548	16.4	19.1
1 12	9 49.58	+ 8 56.2	1.683	2.547	13.0	18.8
1 22	9 43.43	+ 9 46.1	1.615	2.546	9.0	18.6
2 1	9 35.25	+10 50.7	1.572	2.545	4.5	18.3
2 11	9 26.01	+12 4.2	1.558	2.543	1.2	18.1
2 21	9 16.83	+13 19.1	1.572	2.542	5.5	18.4
3 2	9 8.89	+14 28.3	1.613	2.540	10.0	18.6
3 12	9 3.12	+15 26.4	1.679	2.537	13.9	18.8

421694 2014 PN_6 2 9.1 34°.57 2°.7/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.69	+ 8 35.2	1.452	2.238	18.9	20.5
1 12	9 51.96	+ 8 14.0	1.375	2.242	15.2	20.3
1 22	9 45.21	+ 8 9.1	1.316	2.246	10.7	20.0
2 1	9 36.10	+ 8 19.4	1.281	2.251	5.9	19.8
2 11	9 25.82	+ 8 41.2	1.272	2.256	2.7	19.6
2 21	9 15.78	+ 9 9.0	1.290	2.261	6.3	19.8
3 2	9 7.37	+ 9 37.4	1.334	2.267	11.1	20.1
3 12	9 1.61	+10 1.3	1.400	2.273	15.3	20.4

402538 2006 FP_{53} 2 9.1 239°.24 3°.5/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.81	+ 4 1.4	1.790	2.546	16.9	21.7
1 12	9 50.13	+ 4 0.5	1.690	2.537	13.9	21.5
1 22	9 43.86	+ 4 18.8	1.611	2.528	10.2	21.2
2 1	9 35.50	+ 4 55.8	1.556	2.518	6.2	20.9
2 11	9 25.96	+ 5 48.3	1.529	2.508	3.5	20.8
2 21	9 16.38	+ 6 50.5	1.529	2.498	5.8	20.9
3 2	9 7.96	+ 7 55.8	1.558	2.488	10.0	21.1
3 12	9 1.70	+ 8 57.3	1.610	2.477	14.0	21.3

420552 2012 GL_{23} 2 9.1 304°.48 8°.6/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 50.15	− 8 6.9	1.835	2.535	18.4	20.6
1 12	9 47.23	− 8 52.3	1.736	2.526	16.1	20.4
1 22	9 41.89	− 9 13.6	1.655	2.516	13.4	20.2
2 1	9 34.59	− 9 6.8	1.596	2.507	10.7	20.0
2 11	9 26.17	− 8 31.1	1.560	2.499	8.9	19.9
2 21	9 17.70	− 7 29.2	1.550	2.490	9.0	19.8
3 2	9 10.29	− 6 7.6	1.566	2.482	11.1	19.9
3 12	9 4.91	− 4 35.2	1.606	2.473	14.0	20.1

424304 2007 TP_{285} 2 9.1 66°.71 4°.7/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.34	+27 2.4	2.147	2.947	13.1	21.0
1 12	9 50.80	+27 51.8	2.079	2.958	10.2	20.8
1 22	9 43.94	+28 41.6	2.035	2.969	7.2	20.6
2 1	9 35.36	+29 25.4	2.018	2.980	5.0	20.5
2 11	9 26.03	+29 57.0	2.030	2.992	5.1	20.5
2 21	9 17.00	+30 12.5	2.070	3.003	7.5	20.7
3 2	9 9.27	+30 10.4	2.137	3.015	10.4	20.9
3 12	9 3.61	+29 52.1	2.227	3.026	13.1	21.1

466445 2013 TQ_{84} 2 9.1 152°.07 2°.1/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.63	+ 6 53.6	2.289	3.042	13.8	21.8
1 12	9 48.46	+ 6 56.0	2.198	3.046	11.1	21.6
1 22	9 42.30	+ 7 11.6	2.129	3.050	7.8	21.4
2 1	9 34.62	+ 7 38.7	2.087	3.053	4.4	21.2
2 11	9 26.20	+ 8 14.2	2.074	3.056	2.1	21.1
2 21	9 17.88	+ 8 54.2	2.091	3.060	4.5	21.2
3 2	9 10.53	+ 9 34.3	2.137	3.062	7.9	21.4
3 12	9 4.85	+10 10.7	2.208	3.065	11.1	21.6

490000 2008 SG_{201} 2 9.1 132°.90 0°.1/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.32	+12 12.0	1.858	2.629	15.9	23.0
1 12	9 54.04	+12 34.5	1.782	2.645	12.4	22.8
1 22	9 46.20	+13 9.5	1.727	2.660	8.4	22.6
2 1	9 36.44	+13 53.0	1.700	2.675	3.9	22.3
2 11	9 25.79	+14 39.3	1.702	2.688	0.8	22.1
2 21	9 15.42	+15 22.6	1.734	2.701	5.4	22.5
3 2	9 6.47	+15 58.5	1.793	2.713	9.6	22.8
3 12	8 59.78	+16 24.0	1.878	2.724	13.3	23.0

21507 Bhasin 2 9.1 244°.25 1°.1/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 54.76	+ 9 55.4	1.902	2.674	15.5	19.7
1 12	9 50.76	+10 9.4	1.799	2.661	12.4	19.4
1 22	9 44.24	+10 38.1	1.718	2.649	8.6	19.2
2 1	9 35.67	+11 18.9	1.663	2.636	4.3	18.9
2 11	9 25.93	+12 7.1	1.636	2.622	1.2	18.6
2 21	9 16.15	+12 57.2	1.639	2.608	5.4	18.9
3 2	9 7.48	+13 43.5	1.669	2.594	9.8	19.1
3 12	9 0.91	+14 21.5	1.724	2.579	13.8	19.3

375645 2008 YR_{110} 2 9.1 52°.80 1°.8/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.83	+17 36.3	1.833	2.628	15.1	21.2
1 12	9 50.47	+18 10.8	1.776	2.655	11.6	21.0
1 22	9 43.71	+18 53.2	1.741	2.682	7.7	20.8
2 1	9 35.24	+19 37.8	1.733	2.709	3.5	20.6
2 11	9 26.10	+20 18.5	1.754	2.737	2.3	20.6
2 21	9 17.39	+20 50.3	1.803	2.764	6.0	20.9
3 2	9 10.12	+21 10.1	1.880	2.792	9.7	21.1
3 12	9 5.01	+21 17.0	1.980	2.820	12.9	21.4

341536 2007 TT_{445} 2 9.1 24°.28 6°.8/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.48	+33 54.6	2.202	3.000	12.8	20.7
1 12	9 51.90	+34 57.5	2.132	3.001	10.4	20.5
1 22	9 44.81	+35 56.6	2.086	3.003	8.2	20.4
2 1	9 35.82	+36 44.1	2.066	3.005	6.9	20.3
2 11	9 25.95	+37 13.4	2.074	3.007	7.4	20.3
2 21	9 16.35	+37 20.6	2.108	3.009	9.3	20.4
3 2	9 8.13	+37 5.4	2.168	3.011	11.7	20.6
3 12	9 2.12	+36 30.2	2.250	3.013	14.0	20.8

415844 2001 SD_{60} 2 9.1 133°.66 2°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.33	+ 5 58.6	2.472	3.210	13.3	22.2
1 12	9 50.29	+ 6 6.6	2.389	3.227	10.6	22.0
1 22	9 43.36	+ 6 27.5	2.328	3.244	7.5	21.8
2 1	9 35.07	+ 6 59.4	2.295	3.259	4.3	21.7
2 11	9 26.14	+ 7 39.3	2.293	3.274	2.1	21.5
2 21	9 17.38	+ 8 23.2	2.321	3.289	4.2	21.7
3 2	9 9.60	+ 9 7.0	2.379	3.302	7.4	21.9
3 12	9 3.44	+ 9 47.0	2.465	3.315	10.3	22.1

319860 2006 WH_{53} 2 9.1 69°.76 2°.7/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.71	+ 2 50.5	1.685	2.443	17.8	20.2
1 12	9 49.04	+ 3 32.1	1.618	2.467	14.3	20.0
1 22	9 42.90	+ 4 36.7	1.572	2.491	10.2	19.8
2 1	9 34.94	+ 6 1.0	1.551	2.515	5.8	19.6
2 11	9 26.17	+ 7 38.1	1.557	2.539	2.7	19.5
2 21	9 17.71	+ 9 19.3	1.593	2.563	5.4	19.7
3 2	9 10.64	+10 55.7	1.656	2.587	9.4	20.0
3 12	9 5.76	+12 20.7	1.745	2.611	13.1	20.3

8898 Linnaea 2 9.1 184°.04 1°.1/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.36	+ 9 19.7	2.143	2.903	14.4	19.7
1 12	9 50.80	+ 9 40.3	2.048	2.904	11.4	19.5
1 22	9 44.01	+10 14.3	1.976	2.904	7.9	19.3
2 1	9 35.47	+10 59.3	1.932	2.903	3.9	19.0
2 11	9 26.04	+11 50.6	1.916	2.902	1.1	18.8
2 21	9 16.67	+12 43.0	1.931	2.900	4.8	19.1
3 2	9 8.36	+13 31.6	1.975	2.897	8.7	19.3
3 12	9 1.92	+14 12.4	2.044	2.894	12.2	19.5

52848 1998 RY_{71} 2 9.1 114°.88 4°.0/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 1.33	+22 13.1	1.557	2.360	17.0	18.9
1 12	9 56.25	+22 58.8	1.490	2.372	13.3	18.7
1 22	9 48.00	+23 50.4	1.444	2.385	9.0	18.5
2 1	9 37.35	+24 39.6	1.424	2.396	5.0	18.3
2 11	9 25.62	+25 17.9	1.432	2.408	4.6	18.3
2 21	9 14.34	+25 39.3	1.468	2.419	8.2	18.5
3 2	9 4.91	+25 41.6	1.529	2.429	12.3	18.8
3 12	8 58.33	+25 25.8	1.612	2.440	15.9	19.0

37455 4727 *P–L* 2 9.1 146°.23 2°.6/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 49.44	+ 4 3.8	2.559	3.299	12.8	19.8
1 12	9 45.81	+ 4 13.2	2.464	3.301	10.4	19.6
1 22	9 40.44	+ 4 36.6	2.391	3.303	7.5	19.4
2 1	9 33.77	+ 5 12.7	2.345	3.305	4.5	19.2
2 11	9 26.44	+ 5 58.7	2.328	3.307	2.6	19.1
2 21	9 19.19	+ 6 50.7	2.342	3.309	4.2	19.2
3 2	9 12.74	+ 7 44.4	2.384	3.311	7.2	19.4
3 12	9 7.71	+ 8 35.4	2.453	3.313	10.0	19.6

447708 2007 ED_{79} 2 9.1 348°.56 2°.9/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.64	+19 49.9	1.109	1.941	20.6	20.4
1 12	9 53.09	+19 58.0	1.036	1.935	16.2	20.1
1 22	9 46.64	+20 15.2	0.980	1.929	11.0	19.8
2 1	9 36.99	+20 34.5	0.947	1.924	5.3	19.4
2 11	9 25.68	+20 47.4	0.937	1.920	3.5	19.3
2 21	9 14.67	+20 47.1	0.951	1.918	8.8	19.6
3 2	9 5.86	+20 30.2	0.988	1.916	14.5	19.9
3 12	9 0.59	+19 57.2	1.044	1.916	19.4	20.2

80986 2000 EM_{17} 2 9.1 46°.76 2°.0/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 53.82	+ 8 33.8	1.469	2.257	18.6	19.2
1 12	9 50.34	+ 8 35.4	1.401	2.271	14.8	18.9
1 22	9 44.00	+ 8 55.0	1.353	2.286	10.3	18.7
2 1	9 35.51	+ 9 29.8	1.329	2.301	5.4	18.5
2 11	9 26.05	+10 14.4	1.331	2.316	2.0	18.3
2 21	9 16.93	+11 2.0	1.360	2.332	5.9	18.6
3 2	9 9.43	+11 46.3	1.416	2.348	10.5	18.9
3 12	9 4.45	+12 22.3	1.494	2.365	14.6	19.2

63534 2001 PR_{24} 2 9.1 51°.48 0°.7/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.24	+14 44.7	2.023	2.811	14.2	19.4
1 12	9 48.36	+15 10.1	1.952	2.826	11.0	19.2
1 22	9 42.30	+15 44.9	1.903	2.841	7.3	19.0
2 1	9 34.63	+16 25.2	1.880	2.857	3.3	18.8
2 11	9 26.26	+17 5.8	1.887	2.872	1.2	18.6
2 21	9 18.14	+17 41.8	1.922	2.888	5.1	18.9
3 2	9 11.21	+18 9.5	1.986	2.904	8.9	19.2
3 12	9 6.19	+18 26.7	2.073	2.921	12.1	19.4

107713 2001 FS_{20} 2 9.1 273°.37 0°.0/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.31	+13 26.7	1.438	2.235	18.5	20.0
1 12	9 53.66	+13 30.3	1.343	2.222	14.7	19.7
1 22	9 46.70	+13 47.9	1.268	2.208	10.1	19.4
2 1	9 36.98	+14 16.0	1.218	2.194	4.7	19.0
2 11	9 25.66	+14 48.7	1.193	2.179	1.1	18.7
2 21	9 14.29	+15 19.3	1.195	2.165	6.9	19.1
3 2	9 4.48	+15 42.2	1.223	2.150	12.4	19.3
3 12	8 57.55	+15 53.8	1.272	2.136	17.1	19.6

131864 2002 AM_{152} 2 9.1 81°.53 0°.3/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.15	+13 41.6	1.507	2.300	18.0	20.0
1 12	9 53.64	+14 0.7	1.442	2.318	14.0	19.8
1 22	9 46.17	+14 33.1	1.397	2.336	9.4	19.6
2 1	9 36.49	+15 13.7	1.377	2.353	4.2	19.3
2 11	9 25.84	+15 55.9	1.384	2.370	1.2	19.1
2 21	9 15.61	+16 33.1	1.420	2.388	6.3	19.5
3 2	9 7.13	+17 0.6	1.481	2.405	10.9	19.8
3 12	9 1.30	+17 16.0	1.566	2.421	14.9	20.1

176756 2002 RQ_{139} 2 9.1 100°.44 5°.6/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.93	+26 10.6	1.821	2.624	14.9	20.1
1 12	9 53.27	+27 34.0	1.761	2.642	11.6	19.9
1 22	9 45.83	+28 59.9	1.724	2.659	8.3	19.8
2 1	9 36.33	+30 19.0	1.715	2.675	5.8	19.7
2 11	9 25.89	+31 22.5	1.733	2.692	6.2	19.7
2 21	9 15.80	+32 4.5	1.779	2.708	8.9	19.9
3 2	9 7.30	+32 22.9	1.852	2.723	12.1	20.1
3 12	9 1.26	+32 19.5	1.946	2.738	14.9	20.4

95900 2003 HF_{21} 2 9.1 194°.36 1°.8/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.99	+16 29.8	1.760	2.552	15.8	20.3
1 12	9 52.67	+17 10.0	1.674	2.550	12.4	20.1
1 22	9 45.58	+18 1.4	1.609	2.549	8.3	19.8
2 1	9 36.31	+18 58.4	1.571	2.547	3.8	19.6
2 11	9 25.89	+19 53.7	1.561	2.544	2.3	19.5
2 21	9 15.58	+20 40.5	1.579	2.541	6.6	19.7
3 2	9 6.65	+21 14.0	1.625	2.537	10.9	20.0
3 12	9 0.11	+21 32.2	1.694	2.534	14.8	20.2

131780 2002 AM_{24} 2 9.1 70°.77 0°.6/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.52	+10 12.4	1.406	2.196	19.2	20.5
1 12	9 53.20	+10 42.1	1.350	2.223	15.0	20.3
1 22	9 45.87	+11 29.8	1.313	2.249	10.1	20.1
2 1	9 36.34	+12 30.4	1.301	2.276	4.8	19.9
2 11	9 25.92	+13 35.9	1.316	2.302	1.0	19.7
2 21	9 16.02	+14 38.1	1.358	2.328	6.2	20.1
3 2	9 7.95	+15 30.5	1.427	2.354	10.9	20.4
3 12	9 2.60	+16 9.1	1.518	2.379	15.0	20.7

206755 2004 CJ_2 2 9.1 328°.08 8°.3/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.80	+33 16.8	1.883	2.697	14.0	19.6
1 12	9 49.00	+35 4.4	1.805	2.684	11.5	19.4
1 22	9 43.34	+36 51.8	1.751	2.671	9.3	19.3
2 1	9 35.36	+38 28.4	1.722	2.658	8.3	19.2
2 11	9 26.10	+39 44.1	1.721	2.646	9.2	19.2
2 21	9 16.86	+40 31.9	1.744	2.634	11.5	19.3
3 2	9 9.00	+40 49.4	1.791	2.623	14.3	19.5
3 12	9 3.62	+40 38.8	1.857	2.613	16.8	19.6

32808 Bischoff 2 9.1 342°.46 1°.6/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.35	+18 6.7	2.014	2.809	14.0	18.3
1 12	9 48.68	+18 26.9	1.925	2.804	10.9	18.0
1 22	9 42.69	+18 54.2	1.859	2.800	7.3	17.8
2 1	9 34.91	+19 24.4	1.819	2.795	3.4	17.6
2 11	9 26.23	+19 52.2	1.808	2.791	2.1	17.5
2 21	9 17.68	+20 13.3	1.826	2.788	5.8	17.7
3 2	9 10.28	+20 24.2	1.870	2.785	9.6	17.9
3 12	9 4.86	+20 23.8	1.939	2.782	13.0	18.1

72017 2000 XK_{13} 2 9.1 114°.61 6°.9/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	10 4.24	+31 58.7	1.930	2.721	14.6	19.1
1 12	9 58.04	+33 10.8	1.874	2.743	11.7	19.0
1 22	9 48.94	+34 19.3	1.842	2.763	8.8	18.8
2 1	9 37.71	+35 14.9	1.838	2.783	7.0	18.8
2 11	9 25.62	+35 49.8	1.861	2.802	7.4	18.8
2 21	9 14.06	+36 0.1	1.912	2.820	9.6	19.0
3 2	9 4.30	+35 46.1	1.989	2.838	12.3	19.2
3 12	8 57.19	+35 11.4	2.087	2.855	14.9	19.4

204918 2008 SW_{142} 2 9.1 163°.13 0°.3/ 9.4 18

1 2	9 52.16	+11 37.3	2.310	3.080	13.2	21.2
1 12	9 48.14	+12 1.1	2.219	3.082	10.3	21.0
1 22	9 42.13	+12 35.9	2.152	3.085	7.0	20.8
2 1	9 34.60	+13 18.6	2.112	3.086	3.3	20.6
2 11	9 26.31	+14 4.9	2.102	3.088	0.7	20.4
2 21	9 18.13	+14 50.3	2.121	3.090	4.5	20.7
3 2	9 10.90	+15 30.5	2.170	3.091	8.1	20.9
3 12	9 5.35	+16 2.5	2.244	3.092	11.3	21.1

415831 2001 RO_{7} 2 9.1 153°.49 0°.1/ 9.0 18

1 2	9 55.57	+13 5.2	2.303	3.071	13.3	22.4
1 12	9 50.74	+13 30.5	2.217	3.080	10.4	22.2
1 22	9 43.83	+14 5.7	2.155	3.088	7.0	22.0
2 1	9 35.37	+14 47.2	2.120	3.095	3.2	21.8
2 11	9 26.15	+15 30.6	2.116	3.102	0.8	21.6
2 21	9 17.07	+16 11.2	2.142	3.108	4.7	21.9
3 2	9 9.05	+16 45.3	2.197	3.113	8.3	22.2
3 12	9 2.80	+17 10.3	2.278	3.118	11.4	22.4

169137 2001 QM_{57} 2 9.1 73°.35 0°.5/ 8.7 18

1 2	9 51.79	+12 27.3	2.259	3.034	13.3	20.0
1 12	9 47.74	+13 21.0	2.193	3.060	10.3	19.8
1 22	9 41.76	+14 25.7	2.150	3.086	6.8	19.6
2 1	9 34.38	+15 36.8	2.135	3.111	3.0	19.4
2 11	9 26.39	+16 48.5	2.151	3.136	1.0	19.3
2 21	9 18.65	+17 55.2	2.196	3.161	4.7	19.6
3 2	9 11.96	+18 52.3	2.271	3.186	8.1	19.9
3 12	9 6.96	+19 37.3	2.372	3.211	11.1	20.1

417593 2006 VB_{85} 2 9.1 40°.62 7°.6/13.8 18

1 2	9 54.06	− 2 40.4	1.615	2.349	19.4	20.7
1 12	9 50.38	− 3 43.7	1.538	2.357	16.4	20.5
1 22	9 44.02	− 4 25.2	1.479	2.366	13.1	20.3
2 1	9 35.58	− 4 41.7	1.442	2.375	9.8	20.1
2 11	9 26.10	− 4 32.9	1.431	2.385	7.8	20.0
2 21	9 16.82	− 4 2.0	1.445	2.395	8.4	20.1
3 2	9 8.93	− 3 15.1	1.484	2.406	11.1	20.3
3 12	9 3.38	− 2 20.3	1.547	2.417	14.3	20.5

457097 2008 EU_{144} 2 9.1 171°.06 0°.3/ 9.3 18

1 2	9 54.44	+11 52.9	1.919	2.697	15.2	22.0
1 12	9 50.36	+12 14.4	1.831	2.699	12.0	21.8
1 22	9 43.85	+12 48.7	1.766	2.700	8.1	21.6
2 1	9 35.47	+13 32.4	1.726	2.701	3.8	21.3
2 11	9 26.13	+14 20.3	1.716	2.702	0.8	21.1
2 21	9 16.91	+15 6.6	1.734	2.702	5.3	21.4
3 2	9 8.90	+15 46.5	1.780	2.703	9.5	21.6
3 12	9 2.95	+16 16.5	1.851	2.703	13.1	21.9

36971 2000 SX_{301} 2 9.1 192°.11 0°.2/ 9.3 18

1 2	9 57.04	+12 30.7	1.810	2.589	15.9	19.9
1 12	9 52.57	+12 45.3	1.720	2.588	12.6	19.7
1 22	9 45.45	+13 12.5	1.652	2.586	8.6	19.4
2 1	9 36.25	+13 48.8	1.610	2.585	4.0	19.2
2 11	9 25.95	+14 29.0	1.596	2.582	0.9	18.9
2 21	9 15.77	+15 7.3	1.612	2.580	5.6	19.2
3 2	9 6.90	+15 39.0	1.655	2.577	10.1	19.5
3 12	9 0.30	+16 0.9	1.722	2.573	14.0	19.7

305607 2008 YR_{156} 2 9.1 88°.16 0°.5/ 9.5 18

1 2	9 55.36	+10 2.0	1.565	2.350	17.8	21.1
1 12	9 51.43	+10 36.7	1.496	2.366	14.0	20.8
1 22	9 44.71	+11 29.0	1.447	2.382	9.5	20.6
2 1	9 35.88	+12 34.2	1.423	2.397	4.5	20.4
2 11	9 26.06	+13 45.1	1.427	2.413	0.9	20.1
2 21	9 16.55	+14 53.6	1.458	2.428	5.9	20.5
3 2	9 8.60	+15 53.0	1.517	2.443	10.5	20.8
3 12	9 3.12	+16 38.9	1.599	2.458	14.5	21.1

104348 2000 FL_{17} 2 9.1 236°.36 8°.7/ 2.6 18

1 2	10 1.03	+35 50.9	1.859	2.658	14.8	19.4
1 12	9 56.17	+37 11.6	1.787	2.654	12.2	19.2
1 22	9 48.11	+38 27.8	1.738	2.649	9.9	19.1
2 1	9 37.52	+39 28.8	1.713	2.644	8.7	19.0
2 11	9 25.68	+40 5.2	1.716	2.639	9.4	19.0
2 21	9 14.10	+40 12.2	1.744	2.634	11.5	19.1
3 2	9 4.29	+39 49.6	1.795	2.628	14.2	19.3
3 12	8 57.32	+39 1.7	1.867	2.623	16.8	19.4

16907 1998 DS_{29} 2 9.2 229°.89 2°.0/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 49.41	+ 5 40.7	2.415	3.166	13.2	17.9
1 12	9 45.96	+ 6 1.1	2.318	3.164	10.6	17.7
1 22	9 40.66	+ 6 36.0	2.243	3.163	7.6	17.5
2 1	9 33.95	+ 7 23.6	2.195	3.161	4.3	17.3
2 11	9 26.51	+ 8 20.4	2.177	3.159	2.0	17.1
2 21	9 19.12	+ 9 21.7	2.188	3.158	4.2	17.3
3 2	9 12.57	+10 22.5	2.229	3.156	7.6	17.5
3 12	9 7.54	+11 18.4	2.295	3.154	10.7	17.7

169311 2001 TV_{81} 2 9.2 212°.47 0°.6/ 9.7 17

1 2	9 52.23	+11 26.2	2.722	3.482	11.6	21.1
1 12	9 47.92	+11 36.8	2.620	3.477	9.2	20.9
1 22	9 41.87	+11 56.3	2.542	3.471	6.3	20.7
2 1	9 34.49	+12 22.4	2.492	3.465	3.0	20.5
2 11	9 26.41	+12 52.2	2.473	3.459	0.7	20.3
2 21	9 18.38	+13 22.2	2.484	3.452	3.9	20.5
3 2	9 11.13	+13 49.3	2.525	3.445	7.2	20.7
3 12	9 5.30	+14 11.1	2.592	3.437	10.0	20.9

15666 5021 $T\text{-}_{3}$ 2 9.2 78°.08 1°.2/10.1 18

1 2	9 53.16	+ 7 38.1	1.725	2.499	16.8	18.1
1 12	9 49.45	+ 8 19.2	1.654	2.517	13.3	17.9
1 22	9 43.25	+ 9 19.0	1.605	2.535	9.1	17.7
2 1	9 35.19	+10 33.2	1.581	2.553	4.6	17.4
2 11	9 26.27	+11 54.9	1.585	2.571	1.3	17.2
2 21	9 17.62	+13 16.4	1.619	2.589	5.3	17.5
3 2	9 10.32	+14 30.5	1.679	2.607	9.6	17.8
3 12	9 5.20	+15 32.1	1.765	2.624	13.3	18.1

495953 2006 WP_{105} 2 9.2 53°.39 0°.2/ 9.3 18

1 2	9 53.97	+12 1.4	1.597	2.389	17.1	21.7
1 12	9 50.32	+12 21.5	1.526	2.401	13.5	21.5
1 22	9 43.96	+12 56.0	1.476	2.413	9.1	21.3
2 1	9 35.55	+13 40.9	1.451	2.426	4.2	21.0
2 11	9 26.19	+14 29.8	1.453	2.439	0.9	20.8
2 21	9 17.13	+15 16.2	1.482	2.452	5.8	21.2
3 2	9 9.57	+15 54.7	1.539	2.465	10.3	21.5
3 12	9 4.40	+16 21.7	1.618	2.479	14.2	21.7

228201 4106 $T\text{-}_{3}$ 2 9.2 59°.49 1°.4/ 8.1 18

1 2	9 54.82	+15 33.2	1.697	2.493	16.1	21.0
1 12	9 50.73	+16 15.1	1.638	2.517	12.5	20.8
1 22	9 44.06	+17 7.9	1.600	2.541	8.2	20.6
2 1	9 35.53	+18 5.6	1.588	2.565	3.7	20.4
2 11	9 26.21	+19 1.0	1.605	2.589	2.0	20.3
2 21	9 17.30	+19 48.0	1.649	2.613	6.1	20.6
3 2	9 9.90	+20 22.2	1.721	2.637	10.2	20.9
3 12	9 4.80	+20 42.0	1.816	2.662	13.6	21.2

433636 2014 AE_{9} 2 9.2 164°.37 1°.3/ 7.7 17

1 2	9 51.30	+17 17.9	2.852	3.629	10.8	21.6
1 12	9 47.13	+17 58.4	2.763	3.633	8.3	21.4
1 22	9 41.28	+18 45.1	2.699	3.636	5.5	21.2
2 1	9 34.20	+19 34.4	2.664	3.639	2.6	21.0
2 11	9 26.50	+20 21.9	2.660	3.642	1.7	20.9
2 21	9 18.89	+21 3.8	2.687	3.645	4.5	21.1
3 2	9 12.07	+21 37.2	2.743	3.647	7.4	21.3
3 12	9 6.62	+22 0.4	2.825	3.649	9.9	21.5

121132 Garydavis 2 9.2 334°.72 2°.9/11.0 18

1 2	9 49.36	+ 5 17.1	1.336	2.128	19.9	19.2
1 12	9 47.48	+ 5 31.9	1.249	2.120	16.2	18.9
1 22	9 42.55	+ 6 12.0	1.182	2.112	11.6	18.6
2 1	9 35.12	+ 7 16.2	1.136	2.105	6.5	18.3
2 11	9 26.27	+ 8 38.5	1.115	2.099	2.9	18.0
2 21	9 17.42	+10 9.6	1.120	2.093	6.6	18.2
3 2	9 10.08	+11 38.7	1.150	2.088	11.8	18.5
3 12	9 5.43	+12 56.9	1.201	2.084	16.6	18.8

249080 2007 VR_{5} 2 9.2 55°.03 12°.3/21.1 18

1 2	9 53.18	−22 16.6	2.308	2.878	17.9	19.9
1 12	9 49.13	−23 56.6	2.232	2.890	16.5	19.8
1 22	9 42.93	−25 12.2	2.172	2.904	15.1	19.7
2 1	9 35.05	−25 58.0	2.131	2.917	13.7	19.7
2 11	9 26.30	−26 10.9	2.110	2.930	12.7	19.6
2 21	9 17.61	−25 51.2	2.111	2.944	12.3	19.6
3 2	9 9.92	−25 2.5	2.135	2.958	12.6	19.7
3 12	9 4.03	−23 51.8	2.181	2.971	13.6	19.7

467866 2011 BR_{64} 2 9.2 345°.31 1°.9/10.4 16

1 2	9 50.26	+ 8 16.2	1.628	2.414	17.1	21.7
1 12	9 47.58	+ 8 21.1	1.540	2.409	13.7	21.4
1 22	9 42.26	+ 8 43.3	1.472	2.403	9.7	21.2
2 1	9 34.86	+ 9 20.9	1.427	2.399	5.1	20.9
2 11	9 26.35	+10 9.2	1.410	2.395	1.9	20.7
2 21	9 17.90	+11 2.0	1.419	2.391	5.7	20.9
3 2	9 10.75	+11 52.7	1.455	2.388	10.3	21.2
3 12	9 5.85	+12 35.8	1.514	2.386	14.4	21.4

156536 2002 CV_{297} 2 9.2 235°.94 1°.6/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 51.99	+ 7 47.7	2.093	2.857	14.6	20.7
1 12	9 48.31	+ 8 4.4	1.996	2.851	11.7	20.5
1 22	9 42.44	+ 8 35.9	1.920	2.846	8.2	20.3
2 1	9 34.86	+ 9 20.2	1.871	2.840	4.3	20.0
2 11	9 26.35	+10 13.2	1.850	2.834	1.6	19.8
2 21	9 17.87	+11 9.6	1.858	2.829	4.8	20.0
3 2	9 10.40	+12 4.0	1.896	2.822	8.7	20.2
3 12	9 4.73	+12 51.7	1.958	2.816	12.2	20.4

31399 1998 YF_{30} 2 9.2 330°.16 9°.8/ 2.6 18

1 2	9 59.75	+36 18.9	1.578	2.389	16.5	17.0
1 12	9 55.76	+37 38.8	1.508	2.382	13.7	16.8
1 22	9 48.14	+38 53.2	1.460	2.374	11.2	16.6
2 1	9 37.65	+39 50.0	1.435	2.368	9.8	16.5
2 11	9 25.72	+40 18.6	1.435	2.361	10.6	16.5
2 21	9 14.15	+40 13.4	1.459	2.355	12.9	16.6
3 2	9 4.64	+39 35.0	1.505	2.350	15.8	16.8
3 12	8 58.36	+38 28.9	1.571	2.345	18.7	17.0

56379 2000 EU_{42} 2 9.2 150°.81 2°.7/ 7.4 18

1 2	10 0.86	+19 44.5	1.855	2.643	15.3	19.8
1 12	9 55.45	+20 24.2	1.778	2.653	11.9	19.6
1 22	9 47.30	+21 11.0	1.723	2.661	8.0	19.4
2 1	9 37.08	+21 58.4	1.696	2.670	4.0	19.1
2 11	9 25.87	+22 39.6	1.697	2.677	3.2	19.1
2 21	9 14.94	+23 9.0	1.728	2.684	6.8	19.3
3 2	9 5.49	+23 23.6	1.787	2.690	10.7	19.6
3 12	8 58.46	+23 23.0	1.869	2.695	14.2	19.8

314734 2006 SY_{100} 2 9.2 344°.53 2°.2/ 7.9 18

1 2	9 54.64	+18 20.1	1.478	2.290	17.4	20.9
1 12	9 51.36	+18 43.8	1.397	2.285	13.6	20.6
1 22	9 44.99	+19 17.3	1.336	2.281	9.1	20.3
2 1	9 36.16	+19 54.7	1.300	2.277	4.3	20.0
2 11	9 26.06	+20 28.5	1.291	2.274	2.8	19.9
2 21	9 16.14	+20 52.3	1.307	2.271	7.4	20.2
3 2	9 7.86	+21 1.9	1.349	2.269	12.1	20.5
3 12	9 2.29	+20 56.2	1.413	2.267	16.3	20.7

98077 2000 RO_{64} 2 9.2 51°.37 2°.4/10.8 18

1 2	9 52.46	+ 5 58.9	1.436	2.220	19.2	19.3
1 12	9 49.50	+ 6 18.7	1.362	2.228	15.4	19.1
1 22	9 43.63	+ 7 1.2	1.306	2.236	10.9	18.8
2 1	9 35.49	+ 8 3.7	1.274	2.244	5.9	18.5
2 11	9 26.22	+ 9 19.8	1.268	2.252	2.4	18.3
2 21	9 17.17	+10 40.5	1.289	2.261	6.1	18.6
3 2	9 9.67	+11 57.2	1.336	2.270	10.9	18.9
3 12	9 4.73	+13 2.7	1.406	2.279	15.2	19.2

20327 1998 HQ_{39} 2 9.2 206°.29 0°.8/ 8.4 18

1 2	9 51.35	+15 47.9	2.948	3.719	10.6	19.9
1 12	9 47.14	+16 14.9	2.849	3.715	8.2	19.7
1 22	9 41.30	+16 48.5	2.775	3.710	5.5	19.5
2 1	9 34.23	+17 25.5	2.729	3.705	2.5	19.3
2 11	9 26.52	+18 2.5	2.714	3.699	1.1	19.2
2 21	9 18.87	+18 35.9	2.731	3.693	4.1	19.4
3 2	9 11.94	+19 3.0	2.777	3.687	7.0	19.6
3 12	9 6.34	+19 21.9	2.849	3.680	9.6	19.7

486107 2012 VU_{52} 2 9.2 82°.31 6°.3/ 5.5 18

1 2	9 59.13	+25 18.8	1.356	2.175	18.2	20.9
1 12	9 55.30	+26 30.7	1.288	2.178	14.3	20.6
1 22	9 47.86	+27 48.3	1.240	2.180	10.1	20.4
2 1	9 37.53	+29 0.3	1.217	2.183	6.8	20.2
2 11	9 25.78	+29 55.0	1.219	2.185	7.0	20.2
2 21	9 14.38	+30 24.4	1.247	2.188	10.6	20.4
3 2	9 5.04	+30 26.0	1.299	2.191	14.7	20.7
3 12	8 58.93	+30 2.5	1.370	2.193	18.5	20.9

52713 1998 FQ_{113} 2 9.2 359°.91 3°.3/11.7 18

1 2	9 50.67	+ 4 15.0	2.217	2.965	14.3	17.9
1 12	9 47.09	+ 4 0.6	2.123	2.964	11.7	17.7
1 22	9 41.50	+ 4 0.5	2.051	2.964	8.6	17.5
2 1	9 34.39	+ 4 14.2	2.005	2.964	5.4	17.3
2 11	9 26.50	+ 4 39.7	1.987	2.964	3.3	17.2
2 21	9 18.69	+ 5 13.4	1.997	2.964	4.9	17.3
3 2	9 11.82	+ 5 51.0	2.036	2.965	8.1	17.5
3 12	9 6.62	+ 6 28.1	2.101	2.965	11.3	17.7

22536 Katelowry 2 9.2 47°.67 2°.2/10.7 18

1 2	9 52.88	+ 7 40.1	1.816	2.587	16.2	19.0
1 12	9 49.21	+ 7 39.3	1.733	2.592	13.0	18.8
1 22	9 43.13	+ 7 53.9	1.671	2.598	9.1	18.6
2 1	9 35.18	+ 8 22.2	1.635	2.603	5.0	18.4
2 11	9 26.32	+ 9 0.3	1.626	2.609	2.2	18.2
2 21	9 17.63	+ 9 42.9	1.645	2.616	5.2	18.4
3 2	9 10.19	+10 24.7	1.692	2.622	9.3	18.7
3 12	9 4.82	+11 1.1	1.763	2.628	13.0	18.9

298759 2004 HP_{57} 2 9.2 218°.75 0°.0/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 50.77	+12 54.5	2.746	3.514	11.4	22.1
1 12	9 46.81	+13 17.7	2.646	3.509	8.9	21.9
1 22	9 41.15	+13 49.6	2.571	3.503	6.0	21.7
2 1	9 34.19	+14 27.4	2.523	3.498	2.8	21.5
2 11	9 26.55	+15 7.5	2.506	3.492	0.6	21.3
2 21	9 18.96	+15 46.2	2.519	3.486	4.0	21.6
3 2	9 12.13	+16 20.1	2.562	3.480	7.2	21.8
3 12	9 6.68	+16 46.8	2.632	3.473	10.0	22.0

415918 2001 UH_{148} 2 9.2 137°.18 1°.0/ 9.9 18

1 2	9 54.91	+ 9 35.5	2.265	3.024	13.7	22.1
1 12	9 50.25	+ 9 54.5	2.181	3.036	10.8	21.9
1 22	9 43.53	+10 25.5	2.121	3.048	7.5	21.7
2 1	9 35.29	+11 6.0	2.087	3.059	3.7	21.5
2 11	9 26.32	+11 51.7	2.084	3.069	1.1	21.3
2 21	9 17.51	+12 37.9	2.111	3.079	4.4	21.6
3 2	9 9.75	+13 20.4	2.167	3.089	8.1	21.8
3 12	9 3.75	+13 55.7	2.249	3.098	11.2	22.0

158307 2001 UT_{183} 2 9.2 176°.69 4°.0/ 6.4 18

1 2	9 59.19	+22 0.1	1.751	2.550	15.6	21.0
1 12	9 54.50	+23 0.0	1.672	2.552	12.2	20.8
1 22	9 46.89	+24 7.1	1.614	2.553	8.3	20.6
2 1	9 36.99	+25 13.3	1.584	2.554	4.8	20.3
2 11	9 25.92	+26 10.0	1.581	2.555	4.6	20.3
2 21	9 15.03	+26 50.3	1.607	2.555	8.0	20.5
3 2	9 5.67	+27 10.8	1.660	2.554	11.9	20.8
3 12	8 58.85	+27 11.6	1.735	2.552	15.4	21.0

363122 2001 OO_{92} 2 9.2 155°.08 3°.1/ 6.3 18

1 2	9 56.00	+21 3.0	2.286	3.073	12.8	21.4
1 12	9 51.25	+22 7.6	2.207	3.082	9.9	21.2
1 22	9 44.30	+23 18.3	2.152	3.089	6.7	21.0
2 1	9 35.68	+24 28.7	2.125	3.096	3.7	20.8
2 11	9 26.22	+25 32.2	2.129	3.103	3.6	20.8
2 21	9 16.91	+26 23.5	2.163	3.109	6.4	21.0
3 2	9 8.71	+26 59.1	2.225	3.114	9.6	21.2
3 12	9 2.38	+27 18.4	2.312	3.118	12.4	21.4

503378 2016 CO_{61} 2 9.2 283°.63 3°.2/ 6.7 17

1 2	9 52.63	+18 35.6	1.757	2.561	15.3	21.3
1 12	9 49.49	+19 44.2	1.664	2.549	12.0	21.1
1 22	9 43.63	+21 5.2	1.594	2.537	8.0	20.8
2 1	9 35.56	+22 31.3	1.550	2.524	4.2	20.5
2 11	9 26.22	+23 53.6	1.534	2.512	3.8	20.5
2 21	9 16.85	+25 3.5	1.546	2.500	7.6	20.7
3 2	9 8.73	+25 55.1	1.585	2.488	11.8	20.9
3 12	9 2.92	+26 26.0	1.645	2.475	15.6	21.1

331698 2002 RS_{44} 2 9.2 104°.26 1°.0/ 8.3 18

1 2	9 53.66	+16 1.0	2.399	3.177	12.5	21.2
1 12	9 49.16	+16 32.9	2.324	3.193	9.7	21.0
1 22	9 42.73	+17 12.3	2.272	3.209	6.4	20.8
2 1	9 34.89	+17 55.1	2.249	3.225	2.9	20.6
2 11	9 26.42	+18 36.7	2.256	3.241	1.4	20.5
2 21	9 18.16	+19 12.8	2.293	3.256	4.8	20.8
3 2	9 10.93	+19 40.5	2.360	3.271	8.0	21.0
3 12	9 5.37	+19 58.0	2.451	3.285	10.9	21.2

517526 2014 RU_{6} 2 9.2 92°.75 5°.5/ 5.6 18

1 2	10 0.97	+28 13.2	1.840	2.639	14.9	21.8
1 12	9 55.58	+29 2.9	1.777	2.654	11.8	21.6
1 22	9 47.37	+29 51.9	1.737	2.669	8.4	21.4
2 1	9 37.08	+30 32.2	1.724	2.684	5.9	21.3
2 11	9 25.93	+30 56.6	1.738	2.698	6.0	21.3
2 21	9 15.25	+31 1.0	1.781	2.713	8.6	21.5
3 2	9 6.26	+30 45.0	1.849	2.727	11.8	21.7
3 12	8 59.82	+30 11.1	1.941	2.741	14.7	22.0

428094 2006 QK_{41} 2 9.2 179°.84 1°.3/10.4 18

1 2	9 54.00	+ 9 24.2	3.224	3.963	10.4	22.2
1 12	9 48.94	+ 9 18.7	3.122	3.964	8.3	22.0
1 22	9 42.38	+ 9 20.7	3.045	3.965	5.8	21.9
2 1	9 34.70	+ 9 28.9	2.998	3.965	3.1	21.7
2 11	9 26.48	+ 9 41.5	2.981	3.965	1.3	21.5
2 21	9 18.32	+ 9 56.1	2.997	3.964	3.4	21.7
3 2	9 10.86	+10 10.6	3.044	3.963	6.1	21.9
3 12	9 4.62	+10 22.8	3.118	3.961	8.6	22.0

265380 2004 RD_{253} 2 9.2 68°.44 1°.3/10.1 18

1 2	9 53.55	+ 9 25.6	1.833	2.608	15.9	21.1
1 12	9 49.68	+ 9 35.1	1.755	2.619	12.6	20.9
1 22	9 43.39	+ 9 59.0	1.699	2.629	8.7	20.6
2 1	9 35.30	+10 34.6	1.669	2.640	4.4	20.4
2 11	9 26.35	+11 17.2	1.666	2.651	1.4	20.2
2 21	9 17.62	+12 1.3	1.692	2.663	5.1	20.5
3 2	9 10.16	+12 42.0	1.746	2.674	9.2	20.8
3 12	9 4.80	+13 15.0	1.824	2.685	12.9	21.0

427017 2014 SB_{215} 2 9.2 104°.73 0°.1/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 53.85	+11 27.6	1.979	2.755	14.9	21.4
1 12	9 49.74	+12 1.7	1.902	2.768	11.6	21.2
1 22	9 43.36	+12 49.0	1.847	2.781	7.8	21.0
2 1	9 35.26	+13 45.4	1.819	2.794	3.6	20.8
2 11	9 26.36	+14 45.1	1.820	2.806	0.8	20.6
2 21	9 17.66	+15 42.3	1.850	2.818	5.1	20.9
3 2	9 10.16	+16 31.8	1.909	2.830	9.0	21.2
3 12	9 4.62	+17 10.4	1.992	2.841	12.4	21.4

195683 2002 OL_{30} 2 9.2 61°.97 0°.7/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.74	+10 29.3	1.966	2.740	15.0	20.3
1 12	9 49.49	+10 50.8	1.903	2.767	11.8	20.1
1 22	9 43.06	+11 25.1	1.862	2.794	8.0	19.9
2 1	9 35.07	+12 8.5	1.847	2.821	3.8	19.7
2 11	9 26.43	+12 56.1	1.862	2.848	0.9	19.6
2 21	9 18.13	+13 42.5	1.905	2.875	4.8	19.9
3 2	9 11.08	+14 23.2	1.977	2.901	8.5	20.2
3 12	9 5.98	+14 55.3	2.074	2.928	11.8	20.4

460974 2014 WO_{322} 2 9.2 80°.47 2°.9/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.29	+19 1.7	1.816	2.614	15.1	21.2
1 12	9 51.09	+20 3.5	1.751	2.633	11.7	21.0
1 22	9 44.35	+21 13.6	1.710	2.651	7.8	20.8
2 1	9 35.73	+22 24.9	1.696	2.670	4.0	20.6
2 11	9 26.27	+23 29.5	1.710	2.688	3.4	20.6
2 21	9 17.13	+24 21.1	1.753	2.707	6.9	20.9
3 2	9 9.42	+24 55.9	1.823	2.725	10.6	21.1
3 12	9 3.95	+25 13.1	1.916	2.743	13.8	21.4

56626 2000 JH_{78} 2 9.2 259°.43 0°.5/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.97	+14 42.0	1.652	2.442	16.8	19.2
1 12	9 53.84	+14 54.0	1.552	2.426	13.3	19.0
1 22	9 46.69	+15 17.9	1.472	2.410	9.1	18.7
2 1	9 37.03	+15 49.8	1.418	2.394	4.2	18.3
2 11	9 25.93	+16 23.8	1.391	2.377	1.3	18.1
2 21	9 14.75	+16 53.7	1.393	2.360	6.5	18.4
3 2	9 4.94	+17 14.7	1.421	2.343	11.5	18.6
3 12	8 57.68	+17 24.0	1.472	2.325	15.8	18.8

244608 2003 AG_{5} 2 9.2 66°.36 3°.0/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.79	+20 21.1	2.179	2.976	13.0	20.3
1 12	9 48.04	+21 24.5	2.108	2.989	10.0	20.1
1 22	9 42.17	+22 34.2	2.062	3.002	6.7	20.0
2 1	9 34.71	+23 44.2	2.043	3.015	3.7	19.8
2 11	9 26.50	+24 47.8	2.053	3.028	3.4	19.8
2 21	9 18.49	+25 39.6	2.092	3.041	6.3	20.0
3 2	9 11.60	+26 16.2	2.159	3.055	9.5	20.2
3 12	9 6.54	+26 36.7	2.250	3.068	12.3	20.4

79318 1996 HY_{22} 2 9.2 316°.37 1°.5/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.69	+ 9 21.4	1.603	2.391	17.3	19.7
1 12	9 48.84	+ 9 29.4	1.509	2.380	13.8	19.5
1 22	9 43.25	+ 9 54.3	1.436	2.370	9.7	19.2
2 1	9 35.41	+10 34.0	1.386	2.359	5.0	18.9
2 11	9 26.32	+11 23.6	1.363	2.349	1.5	18.6
2 21	9 17.22	+12 16.4	1.368	2.339	5.9	18.9
3 2	9 9.42	+13 5.8	1.398	2.330	10.7	19.1
3 12	9 3.98	+13 46.5	1.451	2.321	15.0	19.4

423321 2005 ED_{318} 2 9.2 302°.24 2°.7/ 7.9 15 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.87	+15 21.3	1.106	1.925	21.5	23.5
1 12	9 57.22	+16 0.0	0.977	1.870	17.6	23.0
1 22	9 51.11	+17 4.7	0.866	1.813	12.4	22.5
2 1	9 40.18	+18 33.2	0.776	1.754	6.0	21.9
2 11	9 24.98	+20 15.7	0.709	1.693	3.7	21.5
2 21	9 7.24	+21 56.2	0.666	1.632	11.6	21.7
3 2	8 49.84	+23 17.6	0.644	1.569	20.4	21.8
3 12	8 35.89	+24 9.4	0.639	1.506	28.7	22.0

253299 2003 BL_{73} 2 9.2 41°.22 2°.7/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.12	+16 28.0	1.338	2.156	18.5	20.3
1 12	9 50.10	+17 34.6	1.286	2.178	14.3	20.0
1 22	9 44.01	+18 54.7	1.255	2.201	9.4	19.8
2 1	9 35.64	+20 19.4	1.247	2.224	4.4	19.6
2 11	9 26.31	+21 38.0	1.267	2.248	3.3	19.6
2 21	9 17.48	+22 41.9	1.312	2.273	7.7	19.9
3 2	9 10.49	+23 25.7	1.382	2.299	12.2	20.2
3 12	9 6.22	+23 48.4	1.474	2.324	16.0	20.5

453857 2011 UO_{53} 2 9.2 37°.54 3°.0/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.74	+ 7 7.6	1.331	2.123	20.0	20.9
1 12	9 50.63	+ 6 56.0	1.264	2.134	16.1	20.6
1 22	9 44.45	+ 7 4.6	1.216	2.146	11.4	20.4
2 1	9 35.90	+ 7 31.8	1.189	2.159	6.3	20.1
2 11	9 26.25	+ 8 12.6	1.189	2.172	3.0	20.0
2 21	9 16.94	+ 9 0.1	1.214	2.186	6.4	20.2
3 2	9 9.37	+ 9 47.0	1.264	2.200	11.2	20.5
3 12	9 4.53	+10 27.1	1.336	2.215	15.5	20.8

48001 2001 BZ_{41} 2 9.2 128°.36 16°.4/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 56.56	−19 16.5	1.365	2.015	25.7	18.8
1 12	9 53.22	−21 11.4	1.293	2.022	23.6	18.6
1 22	9 46.52	−22 31.4	1.235	2.028	21.2	18.4
2 1	9 37.02	−23 6.2	1.191	2.035	18.8	18.3
2 11	9 25.96	−22 49.5	1.166	2.040	17.0	18.2
2 21	9 14.93	−21 41.4	1.160	2.046	16.4	18.2
3 2	9 5.60	−19 50.1	1.175	2.051	17.2	18.2
3 12	8 59.26	−17 30.4	1.210	2.056	19.0	18.3

59698 1999 JJ_{118} 2 9.2 191°.64 0°.4/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.04	+12 44.3	1.995	2.770	14.8	20.3
1 12	9 51.63	+13 21.6	1.902	2.769	11.6	20.1
1 22	9 44.78	+14 11.7	1.832	2.767	7.8	19.9
2 1	9 36.01	+15 10.7	1.789	2.764	3.6	19.6
2 11	9 26.23	+16 12.5	1.775	2.761	1.0	19.4
2 21	9 16.50	+17 10.8	1.791	2.758	5.4	19.7
3 2	9 7.92	+18 0.2	1.836	2.753	9.6	19.9
3 12	9 1.39	+18 37.6	1.905	2.748	13.2	20.2

200636 2001 SD_{210} 2 9.2 100°.57 2°.3/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.39	+17 23.6	1.567	2.364	17.2	21.3
1 12	9 54.65	+18 9.5	1.502	2.382	13.3	21.0
1 22	9 46.93	+19 6.0	1.459	2.400	8.9	20.8
2 1	9 36.99	+20 5.9	1.441	2.417	4.2	20.6
2 11	9 26.05	+21 0.9	1.452	2.434	2.8	20.5
2 21	9 15.53	+21 44.1	1.490	2.451	7.1	20.8
3 2	9 6.75	+22 11.5	1.555	2.467	11.4	21.1
3 12	9 0.62	+22 22.1	1.643	2.482	15.1	21.4

429556 2011 CW_{72} 2 9.2 346°.02 4°.0/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.51	+ 7 17.4	1.616	2.389	17.8	20.1
1 12	9 51.71	+ 6 21.7	1.525	2.382	14.5	19.8
1 22	9 45.10	+ 5 38.7	1.455	2.377	10.6	19.6
2 1	9 36.24	+ 5 9.4	1.409	2.372	6.5	19.3
2 11	9 26.20	+ 4 53.0	1.389	2.367	4.0	19.2
2 21	9 16.24	+ 4 47.3	1.396	2.364	6.5	19.3
3 2	9 7.66	+ 4 48.7	1.430	2.361	10.6	19.5
3 12	9 1.50	+ 4 52.9	1.487	2.358	14.6	19.7

89498 2001 XV_{43} 2 9.2 307°.77 7°.9/13.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.00	− 4 20.5	2.238	2.930	15.7	18.7
1 12	9 51.55	− 5 48.9	2.117	2.904	13.7	18.5
1 22	9 44.79	− 7 4.6	2.017	2.878	11.3	18.3
2 1	9 36.10	− 8 3.5	1.941	2.852	9.1	18.1
2 11	9 26.21	− 8 42.8	1.893	2.827	7.9	18.0
2 21	9 16.06	− 9 1.7	1.872	2.802	8.5	18.0
3 2	9 6.69	− 9 2.0	1.879	2.777	10.6	18.1
3 12	8 59.07	− 8 48.0	1.910	2.752	13.2	18.2

109933 2001 SW_{37} 2 9.2 215°.11 3°.8/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.19	+ 0 9.4	2.256	2.980	14.7	21.0
1 12	9 48.36	+ 0 21.9	2.150	2.973	12.2	20.8
1 22	9 42.46	+ 0 53.3	2.066	2.966	9.2	20.6
2 1	9 34.93	+ 1 43.5	2.007	2.958	6.1	20.3
2 11	9 26.50	+ 2 49.5	1.977	2.950	3.9	20.2
2 21	9 18.04	+ 4 6.5	1.977	2.941	5.2	20.3
3 2	9 10.47	+ 5 28.2	2.005	2.932	8.3	20.4
3 12	9 4.56	+ 6 48.1	2.061	2.922	11.6	20.6

325526 2009 RJ_{74} 2 9.2 109°.65 4°.5/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 1.90	+27 38.3	2.217	3.003	13.2	21.3
1 12	9 55.75	+28 19.7	2.154	3.024	10.3	21.1
1 22	9 47.22	+29 0.3	2.116	3.045	7.3	21.0
2 1	9 36.99	+29 33.5	2.105	3.066	4.9	20.9
2 11	9 26.09	+29 53.8	2.124	3.085	5.0	20.9
2 21	9 15.61	+29 57.9	2.172	3.105	7.3	21.1
3 2	9 6.57	+29 45.3	2.248	3.123	10.1	21.3
3 12	8 59.72	+29 17.7	2.349	3.141	12.7	21.5

373360 2012 KE_{41} 2 9.2 140°.11 1°.8/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.14	+ 6 37.9	2.198	2.954	14.2	21.1
1 12	9 48.25	+ 6 56.6	2.109	2.959	11.4	20.9
1 22	9 42.31	+ 7 30.2	2.042	2.964	8.0	20.7
2 1	9 34.82	+ 8 16.6	2.002	2.970	4.4	20.5
2 11	9 26.54	+ 9 11.6	1.991	2.974	1.9	20.3
2 21	9 18.37	+10 10.2	2.009	2.979	4.5	20.5
3 2	9 11.20	+11 7.3	2.057	2.984	8.1	20.7
3 12	9 5.74	+11 58.2	2.130	2.988	11.4	20.9

101387 1998 UE_{28} 2 9.2 58°.83 8°.4/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.74	− 7 15.2	1.561	2.270	20.8	19.0
1 12	9 51.53	− 7 56.5	1.505	2.303	17.8	18.8
1 22	9 44.67	− 8 9.0	1.467	2.336	14.3	18.7
2 1	9 35.89	− 7 50.5	1.450	2.370	10.9	18.6
2 11	9 26.33	− 7 3.0	1.457	2.403	8.7	18.5
2 21	9 17.23	− 5 52.4	1.490	2.435	8.7	18.6
3 2	9 9.71	− 4 27.6	1.549	2.468	10.9	18.8
3 12	9 4.58	− 2 58.4	1.632	2.501	13.7	19.0

89345 2001 VY_{65} 2 9.2 162°.24 1°.7/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 58.31	+ 8 55.1	1.866	2.629	16.1	20.3
1 12	9 53.43	+ 8 58.0	1.779	2.635	12.9	20.1
1 22	9 45.99	+ 9 15.1	1.714	2.640	9.0	19.9
2 1	9 36.58	+ 9 44.3	1.674	2.644	4.7	19.6
2 11	9 26.16	+10 21.4	1.663	2.648	1.7	19.4
2 21	9 15.89	+11 1.1	1.682	2.651	5.3	19.7
3 2	9 6.93	+11 38.6	1.729	2.654	9.5	19.9
3 12	9 0.16	+12 9.6	1.801	2.656	13.3	20.2

213914 2003 UQ_{133} 2 9.2 88°.24 3°.1/ 6.9 18

1 2	9 56.03	+18 50.6	1.634	2.437	16.3	20.4
1 12	9 52.04	+19 54.7	1.566	2.450	12.6	20.2
1 22	9 45.22	+21 8.7	1.521	2.463	8.4	19.9
2 1	9 36.24	+22 24.9	1.502	2.476	4.3	19.7
2 11	9 26.25	+23 34.2	1.511	2.489	3.7	19.7
2 21	9 16.56	+24 29.1	1.547	2.502	7.5	20.0
3 2	9 8.45	+25 5.3	1.610	2.515	11.5	20.2
3 12	9 2.84	+25 22.0	1.695	2.527	15.1	20.5

379554 2011 AR_{41} 2 9.2 263°.18 4°.0/ 5.7 17

1 2	9 54.49	+22 41.1	2.118	2.915	13.3	21.4
1 12	9 50.60	+23 48.8	2.016	2.896	10.4	21.2
1 22	9 44.24	+25 3.7	1.939	2.877	7.2	21.0
2 1	9 35.86	+26 19.2	1.889	2.857	4.5	20.8
2 11	9 26.30	+27 27.4	1.868	2.837	4.6	20.7
2 21	9 16.65	+28 21.6	1.876	2.817	7.6	20.9
3 2	9 8.05	+28 57.4	1.911	2.796	11.1	21.0
3 12	9 1.46	+29 13.8	1.970	2.776	14.3	21.2

202769 2007 RF_{234} 2 9.2 152°.90 2°.0/ 7.6 18

1 2	9 56.15	+16 18.3	1.865	2.654	15.2	20.6
1 12	9 51.85	+17 18.4	1.784	2.660	11.8	20.4
1 22	9 44.99	+18 30.0	1.727	2.667	7.8	20.2
2 1	9 36.13	+19 47.0	1.697	2.672	3.7	19.9
2 11	9 26.27	+21 1.3	1.695	2.677	2.6	19.9
2 21	9 16.55	+22 5.8	1.723	2.682	6.5	20.1
3 2	9 8.14	+22 55.4	1.779	2.686	10.5	20.4
3 12	9 1.95	+23 27.8	1.858	2.690	14.0	20.6

313178 2001 OY_{43} 2 9.2 171°.24 0°.6/ 8.7 18

1 2	9 57.79	+15 40.9	2.393	3.161	12.8	21.2
1 12	9 52.47	+15 55.8	2.302	3.166	10.0	21.1
1 22	9 45.06	+16 17.8	2.235	3.169	6.7	20.9
2 1	9 36.06	+16 43.6	2.197	3.172	3.0	20.6
2 11	9 26.29	+17 9.0	2.188	3.174	1.1	20.5
2 21	9 16.67	+17 30.4	2.211	3.175	4.7	20.7
3 2	9 8.08	+17 44.8	2.264	3.176	8.3	21.0
3 12	9 1.28	+17 50.8	2.342	3.176	11.4	21.2

163451 2002 RS_{122} 2 9.2 160°.97 2°.3/ 6.8 18

1 2	9 52.56	+19 35.4	2.556	3.341	11.6	20.4
1 12	9 48.39	+20 31.7	2.471	3.346	9.0	20.2
1 22	9 42.31	+21 34.2	2.412	3.350	6.0	20.0
2 1	9 34.80	+22 38.0	2.380	3.353	3.1	19.8
2 11	9 26.57	+23 37.4	2.379	3.357	2.8	19.8
2 21	9 18.43	+24 27.8	2.409	3.359	5.5	20.0
3 2	9 11.20	+25 5.8	2.467	3.362	8.5	20.2
3 12	9 5.56	+25 30.2	2.550	3.364	11.2	20.4

364389 2006 VN_{70} 2 9.2 97°.53 5°.6/ 4.9 18

1 2	9 58.24	+26 52.7	1.856	2.659	14.7	20.7
1 12	9 53.53	+28 10.7	1.796	2.676	11.5	20.5
1 22	9 46.08	+29 30.4	1.760	2.693	8.2	20.4
2 1	9 36.59	+30 42.8	1.750	2.709	5.9	20.2
2 11	9 26.19	+31 39.5	1.768	2.726	6.2	20.3
2 21	9 16.15	+32 14.9	1.814	2.742	8.8	20.5
3 2	9 7.67	+32 27.4	1.886	2.757	11.9	20.7
3 12	9 1.63	+32 18.8	1.980	2.773	14.7	20.9

288469 2004 EZ_{112} 2 9.2 238°.69 0°.2/ 9.0 17

1 2	9 50.41	+12 34.9	2.569	3.340	12.0	21.3
1 12	9 46.73	+13 11.1	2.468	3.333	9.4	21.1
1 22	9 41.23	+13 57.6	2.391	3.325	6.3	20.9
2 1	9 34.33	+14 51.2	2.342	3.317	2.9	20.7
2 11	9 26.68	+15 47.7	2.323	3.309	0.8	20.5
2 21	9 19.03	+16 42.2	2.334	3.300	4.3	20.7
3 2	9 12.18	+17 30.7	2.375	3.292	7.7	20.9
3 12	9 6.80	+18 10.1	2.442	3.283	10.7	21.1

469006 2015 AE_{209} 2 9.2 16°.20 5°.2/ 4.8 18

1 2	9 49.82	+21 8.6	1.505	2.328	16.5	20.1
1 12	9 47.64	+22 59.8	1.437	2.332	12.8	19.9
1 22	9 42.54	+25 2.7	1.392	2.337	8.8	19.7
2 1	9 35.12	+27 6.0	1.373	2.343	5.6	19.5
2 11	9 26.50	+28 57.2	1.381	2.349	6.1	19.5
2 21	9 18.05	+30 25.9	1.416	2.356	9.6	19.7
3 2	9 11.15	+31 26.6	1.475	2.364	13.5	20.0
3 12	9 6.82	+31 58.7	1.555	2.372	16.9	20.2

230141 2001 PW_{34} 2 9.2 76°.42 3°.9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 54.69	+ 2 53.9	2.314	3.044	14.3	20.5
1 12	9 49.95	+ 2 22.0	2.236	3.063	11.7	20.4
1 22	9 43.29	+ 2 3.8	2.180	3.082	8.7	20.2
2 1	9 35.21	+ 1 59.4	2.149	3.100	5.7	20.1
2 11	9 26.51	+ 2 7.3	2.148	3.119	3.9	20.0
2 21	9 18.01	+ 2 24.7	2.176	3.137	5.1	20.1
3 2	9 10.55	+ 2 48.0	2.233	3.155	7.8	20.3
3 12	9 4.77	+ 3 13.3	2.316	3.174	10.6	20.5

51335 2000 NZ_{11} 2 9.2 137°.23 0°.3/ 8.9 18

1 2	9 57.34	+11 57.3	1.921	2.694	15.4	19.7
1 12	9 52.57	+12 44.7	1.843	2.708	12.0	19.5
1 22	9 45.35	+13 45.9	1.788	2.722	8.1	19.3
2 1	9 36.26	+14 56.2	1.760	2.735	3.7	19.1
2 11	9 26.27	+16 8.6	1.761	2.747	1.0	18.9
2 21	9 16.48	+17 16.4	1.792	2.758	5.4	19.2
3 2	9 7.99	+18 13.8	1.852	2.769	9.6	19.5
3 12	9 1.63	+18 57.8	1.937	2.778	13.1	19.7

290529 2005 UK_{51} 2 9.2 70°.59 7°.2/ 4.7 18

1 2	10 2.15	+32 28.8	1.772	2.573	15.4	20.2
1 12	9 56.70	+33 26.7	1.717	2.590	12.3	20.1
1 22	9 48.22	+34 20.1	1.685	2.608	9.3	19.9
2 1	9 37.55	+34 59.9	1.678	2.625	7.4	19.9
2 11	9 26.01	+35 18.3	1.698	2.643	7.7	19.9
2 21	9 15.07	+35 12.2	1.746	2.661	10.0	20.1
3 2	9 6.01	+34 42.1	1.818	2.678	12.8	20.3
3 12	8 59.71	+33 52.3	1.912	2.696	15.4	20.5

210 Isabella 2 9.2 74°.49 2°.9/ 7.1 18

1 2	9 56.16	+20 34.1	1.835	2.633	15.0	13.6
1 12	9 51.81	+21 14.9	1.765	2.646	11.6	13.4
1 22	9 44.88	+22 1.9	1.719	2.659	7.8	13.2
2 1	9 36.04	+22 48.8	1.699	2.672	4.1	13.0
2 11	9 26.34	+23 28.8	1.707	2.685	3.4	13.0
2 21	9 16.96	+23 56.6	1.743	2.698	6.8	13.2
3 2	9 9.01	+24 9.5	1.807	2.711	10.5	13.4
3 12	9 3.33	+24 7.3	1.894	2.724	13.8	13.7

433099 2012 TM_{97} 2 9.2 196°.95 4°.0/13.1 17

1 2	9 50.36	− 0 35.0	2.695	3.407	12.9	22.1
1 12	9 46.53	− 0 40.3	2.593	3.405	10.7	21.9
1 22	9 41.01	− 0 30.6	2.512	3.403	8.2	21.7
2 1	9 34.21	− 0 5.8	2.457	3.400	5.7	21.6
2 11	9 26.74	+ 0 32.5	2.431	3.397	4.0	21.5
2 21	9 19.29	+ 1 21.0	2.435	3.394	4.8	21.5
3 2	9 12.58	+ 2 15.6	2.468	3.391	7.2	21.6
3 12	9 7.22	+ 3 11.7	2.528	3.387	9.8	21.8

402704 2006 VH_{104} 2 9.2 89°.04 0°.8/ 8.6 18

1 2	9 56.68	+13 47.1	1.843	2.625	15.6	21.6
1 12	9 52.02	+14 31.3	1.779	2.650	12.1	21.4
1 22	9 44.91	+15 27.4	1.738	2.675	8.0	21.2
2 1	9 36.02	+16 29.8	1.723	2.699	3.6	21.0
2 11	9 26.37	+17 31.8	1.738	2.723	1.4	20.9
2 21	9 17.07	+18 27.0	1.782	2.746	5.6	21.2
3 2	9 9.17	+19 11.0	1.853	2.769	9.6	21.5
3 12	9 3.46	+19 41.3	1.949	2.792	13.0	21.7

83252 2001 RG_{64} 2 9.2 159°.60 1°.6/10.5 18

1 2	9 52.96	+ 8 45.1	2.607	3.358	12.3	19.3
1 12	9 48.54	+ 8 41.9	2.513	3.361	9.8	19.2
1 22	9 42.34	+ 8 48.7	2.442	3.364	6.9	19.0
2 1	9 34.81	+ 9 4.0	2.399	3.367	3.7	18.8
2 11	9 26.62	+ 9 25.3	2.386	3.370	1.6	18.6
2 21	9 18.53	+ 9 49.5	2.403	3.372	4.0	18.8
3 2	9 11.29	+10 13.4	2.450	3.374	7.2	19.0
3 12	9 5.53	+10 34.3	2.524	3.376	10.0	19.2

65214 2002 EV_{12} 2 9.2 333°.59 1°.2/ 9.8 18

1 2	9 50.71	+10 42.6	1.270	2.081	19.7	19.8
1 12	9 48.82	+10 44.9	1.184	2.069	15.8	19.5
1 22	9 43.67	+11 5.9	1.116	2.057	11.0	19.2
2 1	9 35.79	+11 43.2	1.070	2.046	5.5	18.8
2 11	9 26.37	+12 30.8	1.049	2.035	1.4	18.5
2 21	9 16.94	+13 20.8	1.053	2.026	6.9	18.9
3 2	9 9.14	+14 5.4	1.081	2.018	12.5	19.1
3 12	9 4.23	+14 38.6	1.129	2.011	17.5	19.4

186250 2001 XJ_{213} 2 9.2 61°.03 0°.9/ 8.5 18

1 2	9 53.48	+12 13.3	1.661	2.452	16.6	19.7
1 12	9 49.81	+13 18.8	1.601	2.477	12.9	19.6
1 22	9 43.57	+14 39.7	1.564	2.503	8.5	19.3
2 1	9 35.44	+16 9.3	1.552	2.528	3.8	19.1
2 11	9 26.50	+17 39.0	1.568	2.554	1.5	19.0
2 21	9 17.91	+19 0.3	1.614	2.579	6.0	19.4
3 2	9 10.79	+20 7.1	1.686	2.605	10.2	19.7
3 12	9 5.93	+20 56.4	1.782	2.630	13.8	19.9

72940 2002 BC_{30} 2 9.2 262.°50 4.°8/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 56.63	+22 50.8	1.803	2.606	15.1	19.8
1 12	9 52.83	+24 8.4	1.703	2.585	11.9	19.5
1 22	9 46.09	+25 35.6	1.625	2.564	8.3	19.3
2 1	9 36.87	+27 4.2	1.574	2.542	5.3	19.0
2 11	9 26.14	+28 23.9	1.552	2.520	5.5	19.0
2 21	9 15.23	+29 26.1	1.557	2.497	8.9	19.2
3 2	9 5.57	+30 5.4	1.589	2.474	12.9	19.3
3 12	8 58.36	+30 20.9	1.642	2.450	16.6	19.5

412652 2014 OH_{191} 2 9.2 168.°36 0.°7/ 9.8 18

1 2	9 55.77	+10 10.4	2.147	2.909	14.3	22.2
1 12	9 51.17	+10 34.2	2.057	2.914	11.3	22.0
1 22	9 44.34	+11 10.9	1.989	2.918	7.7	21.8
2 1	9 35.82	+11 57.5	1.949	2.921	3.8	21.5
2 11	9 26.42	+12 49.3	1.938	2.924	0.9	21.3
2 21	9 17.13	+13 41.0	1.957	2.926	4.8	21.6
3 2	9 8.91	+14 27.9	2.006	2.927	8.6	21.8
3 12	9 2.56	+15 6.2	2.080	2.928	12.0	22.0

421114 2013 QF_{71} 2 9.2 191.°80 0.°7/ 8.5 16

1 2	9 53.98	+14 3.4	2.414	3.185	12.6	22.3
1 12	9 49.61	+14 45.5	2.318	3.184	9.9	22.1
1 22	9 43.23	+15 37.6	2.247	3.182	6.6	21.9
2 1	9 35.29	+16 35.9	2.203	3.179	3.0	21.6
2 11	9 26.54	+17 35.2	2.190	3.176	1.2	21.5
2 21	9 17.82	+18 30.4	2.208	3.172	4.8	21.7
3 2	9 10.02	+19 17.3	2.255	3.167	8.3	21.9
3 12	9 3.87	+19 53.1	2.328	3.162	11.4	22.1

193051 2000 FB_{29} 2 9.2 339.°06 1.°2/ 9.8 18

1 2	9 50.63	+11 31.3	1.115	1.938	21.1	19.5
1 12	9 49.18	+11 23.0	1.034	1.926	16.9	19.2
1 22	9 44.15	+11 33.1	0.971	1.914	11.8	18.9
2 1	9 36.09	+11 59.5	0.928	1.904	5.8	18.5
2 11	9 26.33	+12 36.1	0.909	1.895	1.5	18.2
2 21	9 16.59	+13 15.1	0.913	1.887	7.4	18.5
3 2	9 8.71	+13 48.5	0.940	1.880	13.5	18.8
3 12	9 4.06	+14 10.7	0.986	1.875	18.8	19.1

171555 1999 TF_{74} 2 9.2 95.°20 0.°3/ 9.4 18

1 2	9 57.79	+11 46.2	1.749	2.527	16.5	21.2
1 12	9 53.02	+12 7.8	1.681	2.548	12.9	21.0
1 22	9 45.67	+12 42.7	1.635	2.569	8.7	20.8
2 1	9 36.41	+13 26.8	1.615	2.589	4.1	20.6
2 11	9 26.32	+14 14.2	1.623	2.609	0.8	20.4
2 21	9 16.59	+14 59.0	1.660	2.628	5.4	20.7
3 2	9 8.33	+15 36.2	1.725	2.647	9.7	21.0
3 12	9 2.37	+16 3.0	1.814	2.666	13.3	21.3

177814 2005 ME_{17} 2 9.2 194.°45 0.°0/ 9.1 18

1 2	9 50.99	+12 54.9	2.903	3.667	10.9	21.1
1 12	9 46.91	+13 20.1	2.805	3.665	8.5	20.9
1 22	9 41.22	+13 53.5	2.731	3.663	5.7	20.8
2 1	9 34.32	+14 32.4	2.686	3.660	2.6	20.5
2 11	9 26.79	+15 13.3	2.671	3.658	0.6	20.4
2 21	9 19.31	+15 52.8	2.688	3.654	3.8	20.6
3 2	9 12.55	+16 27.5	2.734	3.651	6.8	20.8
3 12	9 7.11	+16 55.3	2.807	3.647	9.5	21.0

417791 2007 ED_{88} 2 9.2 53.°35 5.°1/ 6.1 18

1 2	9 59.89	+27 14.4	1.762	2.565	15.3	20.7
1 12	9 54.96	+27 50.0	1.693	2.572	12.1	20.5
1 22	9 47.13	+28 25.6	1.645	2.580	8.6	20.3
2 1	9 37.13	+28 53.8	1.624	2.588	5.7	20.2
2 11	9 26.19	+29 7.5	1.630	2.596	5.6	20.2
2 21	9 15.65	+29 2.6	1.664	2.604	8.4	20.4
3 2	9 6.80	+28 38.7	1.724	2.613	11.9	20.6
3 12	9 0.55	+27 58.0	1.806	2.621	15.0	20.8

113221 2002 RN_{120} 2 9.2 106.°82 2.°2/ 7.6 18

1 2	9 58.51	+18 13.0	2.011	2.795	14.4	20.5
1 12	9 53.31	+19 0.5	1.945	2.818	11.1	20.3
1 22	9 45.73	+19 55.3	1.903	2.841	7.4	20.1
2 1	9 36.42	+20 51.7	1.889	2.863	3.6	19.9
2 11	9 26.36	+21 43.1	1.904	2.885	2.6	19.9
2 21	9 16.65	+22 24.1	1.949	2.906	6.0	20.1
3 2	9 8.29	+22 51.8	2.022	2.926	9.6	20.4
3 12	9 2.05	+23 5.1	2.120	2.945	12.7	20.6

488904 2005 TG_{82} 2 9.2 89.°20 4.°3/11.9 18

1 2	9 56.04	+ 3 5.5	1.451	2.216	19.8	21.8
1 12	9 52.26	+ 2 55.5	1.378	2.229	16.2	21.6
1 22	9 45.52	+ 3 8.4	1.324	2.241	11.9	21.4
2 1	9 36.48	+ 3 43.7	1.293	2.253	7.4	21.2
2 11	9 26.34	+ 4 37.3	1.287	2.265	4.3	21.0
2 21	9 16.46	+ 5 42.0	1.309	2.277	6.5	21.2
3 2	9 8.19	+ 6 49.6	1.356	2.289	10.9	21.4
3 12	9 2.54	+ 7 52.4	1.427	2.301	15.0	21.7

12306 Pebronstein 2 9.2 300.°29 0.°9/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 52.68	+13 48.0	1.563	2.364	17.1	17.7
1 12	9 49.84	+14 23.9	1.470	2.351	13.5	17.5
1 22	9 44.09	+15 15.5	1.397	2.338	9.1	17.2
2 1	9 35.94	+16 18.2	1.348	2.325	4.2	16.9
2 11	9 26.42	+17 24.4	1.327	2.312	1.6	16.6
2 21	9 16.86	+18 25.8	1.332	2.300	6.7	16.9
3 2	9 8.65	+19 15.7	1.364	2.288	11.7	17.2
3 12	9 2.94	+19 49.7	1.418	2.276	16.0	17.4

423061 2003 WD_{47} 2 9.2 113.°34 2.°3/ 7.3 18

1 2	9 55.28	+20 17.9	2.254	3.042	12.9	21.5
1 12	9 50.68	+20 50.6	2.176	3.051	10.0	21.4
1 22	9 43.94	+21 28.3	2.122	3.060	6.7	21.2
2 1	9 35.61	+22 6.1	2.095	3.068	3.4	21.0
2 11	9 26.54	+22 38.9	2.098	3.077	2.7	20.9
2 21	9 17.68	+23 2.5	2.130	3.085	5.7	21.1
3 2	9 9.95	+23 14.4	2.191	3.093	9.0	21.4
3 12	9 4.08	+23 14.1	2.276	3.101	12.0	21.6

369583 2011 BN_{106} 2 9.2 128.°57 1.°0/10.0 18

1 2	9 52.61	+ 9 8.6	2.091	2.858	14.5	21.4
1 12	9 48.77	+ 9 34.3	2.005	2.864	11.5	21.2
1 22	9 42.77	+10 14.2	1.941	2.870	7.9	21.0
2 1	9 35.12	+11 5.2	1.903	2.875	3.9	20.8
2 11	9 26.65	+12 2.6	1.895	2.880	1.1	20.5
2 21	9 18.29	+13 0.8	1.916	2.885	4.7	20.8
3 2	9 11.00	+13 54.6	1.965	2.890	8.6	21.1
3 12	9 5.53	+14 39.8	2.040	2.895	12.0	21.3

182394 2001 QD_{279} 2 9.2 100.°96 3.°8/ 6.3 18

1 2	9 56.73	+22 12.3	1.875	2.674	14.7	20.1
1 12	9 52.29	+23 11.8	1.807	2.687	11.4	19.9
1 22	9 45.26	+24 16.9	1.761	2.700	7.7	19.7
2 1	9 36.28	+25 20.1	1.743	2.713	4.5	19.6
2 11	9 26.41	+26 13.8	1.753	2.725	4.3	19.6
2 21	9 16.82	+26 52.4	1.791	2.738	7.4	19.8
3 2	9 8.66	+27 12.8	1.856	2.750	10.9	20.0
3 12	9 2.77	+27 15.3	1.945	2.761	14.0	20.2

100457 1996 TJ_{3} 2 9.2 192.°90 0.°6/ 8.7 18

1 2	9 52.50	+14 55.3	2.570	3.343	11.9	20.6
1 12	9 48.32	+15 19.9	2.476	3.342	9.3	20.4
1 22	9 42.28	+15 52.4	2.406	3.341	6.2	20.2
2 1	9 34.85	+16 29.5	2.364	3.339	2.8	20.0
2 11	9 26.72	+17 7.1	2.352	3.337	1.0	19.8
2 21	9 18.65	+17 41.5	2.371	3.335	4.4	20.1
3 2	9 11.45	+18 9.2	2.418	3.333	7.7	20.3
3 12	9 5.77	+18 28.3	2.492	3.330	10.6	20.5

412718 2014 OM_{310} 2 9.2 223.°77 0.°2/ 9.4 17

1 2	9 57.68	+11 56.1	1.987	2.756	15.0	22.6
1 12	9 53.07	+12 17.3	1.883	2.745	11.9	22.4
1 22	9 45.91	+12 51.4	1.801	2.733	8.2	22.1
2 1	9 36.68	+13 35.2	1.747	2.721	3.9	21.8
2 11	9 26.29	+14 23.5	1.721	2.707	0.8	21.6
2 21	9 15.84	+15 10.7	1.725	2.693	5.4	21.9
3 2	9 6.49	+15 51.7	1.758	2.678	9.8	22.1
3 12	8 59.23	+16 22.8	1.815	2.662	13.6	22.3

279277 2009 WK_{15} 2 9.2 140.°68 1.°2/10.0 18

1 2	9 57.83	+ 9 1.5	1.575	2.352	18.0	21.5
1 12	9 53.54	+ 9 23.1	1.496	2.361	14.3	21.3
1 22	9 46.34	+10 2.8	1.438	2.369	9.9	21.0
2 1	9 36.88	+10 57.1	1.404	2.377	4.9	20.7
2 11	9 26.27	+11 59.7	1.398	2.384	1.3	20.5
2 21	9 15.88	+13 3.0	1.420	2.390	5.9	20.8
3 2	9 7.01	+13 59.9	1.469	2.397	10.7	21.1
3 12	9 0.69	+14 45.7	1.542	2.402	14.9	21.4

200995 2002 CH_{155} 2 9.2 76.°41 1.°9/ 8.2 18

1 2	10 2.21	+17 30.3	1.459	2.257	18.3	20.3
1 12	9 56.87	+17 55.4	1.404	2.283	14.1	20.1
1 22	9 48.41	+18 29.8	1.370	2.310	9.4	19.9
2 1	9 37.71	+19 7.0	1.361	2.337	4.3	19.7
2 11	9 26.14	+19 39.7	1.379	2.363	2.4	19.6
2 21	9 15.21	+20 2.2	1.425	2.389	6.9	20.0
3 2	9 6.25	+20 11.3	1.498	2.415	11.4	20.3
3 12	9 0.14	+20 7.0	1.593	2.440	15.2	20.6

202304 2005 CV_{70} 2 9.2 25.°03 1.°5/ 8.1 18

1 2	9 52.26	+16 31.0	1.912	2.708	14.6	21.0
1 12	9 48.77	+17 6.7	1.832	2.711	11.3	20.8
1 22	9 42.90	+17 52.0	1.774	2.714	7.5	20.6
2 1	9 35.22	+18 42.1	1.742	2.718	3.5	20.3
2 11	9 26.65	+19 30.8	1.739	2.723	2.0	20.2
2 21	9 18.24	+20 12.3	1.764	2.727	5.9	20.5
3 2	9 11.05	+20 42.7	1.816	2.732	9.8	20.7
3 12	9 5.89	+20 59.7	1.893	2.737	13.2	20.9

237638 2001 SD_{68} 2 9.2 113°.65 0°.8/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 59.43	+13 53.5	1.757	2.537	16.3	21.3
1 12	9 54.36	+14 32.9	1.689	2.558	12.7	21.1
1 22	9 46.62	+15 24.6	1.642	2.579	8.4	20.9
2 1	9 36.90	+16 23.2	1.622	2.598	3.8	20.7
2 11	9 26.30	+17 21.6	1.631	2.617	1.4	20.5
2 21	9 16.05	+18 13.3	1.670	2.635	5.9	20.9
3 2	9 7.31	+18 53.6	1.736	2.652	10.1	21.2
3 12	9 0.93	+19 20.1	1.827	2.669	13.7	21.4

310965 2003 US_{126} 2 9.2 56°.24 1°.9/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.07	+10 6.2	1.507	2.292	18.3	20.3
1 12	9 52.96	+ 9 51.2	1.434	2.302	14.6	20.1
1 22	9 45.92	+ 9 50.9	1.381	2.313	10.1	19.9
2 1	9 36.66	+10 3.4	1.353	2.324	5.3	19.6
2 11	9 26.35	+10 24.4	1.351	2.336	1.9	19.4
2 21	9 16.36	+10 48.6	1.376	2.348	5.9	19.7
3 2	9 8.00	+11 11.1	1.428	2.359	10.6	20.0
3 12	9 2.23	+11 27.9	1.503	2.371	14.7	20.3

316286 2010 QK_{5} 2 9.2 134°.78 6°.4/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.62	− 5 20.1	1.982	2.684	17.2	20.9
1 12	9 49.66	− 5 34.9	1.896	2.694	14.6	20.8
1 22	9 43.43	− 5 26.7	1.828	2.703	11.6	20.6
2 1	9 35.46	− 4 54.0	1.783	2.711	8.6	20.4
2 11	9 26.60	− 3 58.5	1.765	2.719	6.6	20.3
2 21	9 17.85	− 2 44.9	1.775	2.727	7.0	20.3
3 2	9 10.22	− 1 20.0	1.813	2.734	9.4	20.5
3 12	9 4.51	+ 0 7.9	1.876	2.741	12.4	20.7

172732 2004 BZ_{120} 2 9.2 349°.98 9°.1/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.40	+32 7.4	1.568	2.388	16.1	19.0
1 12	9 52.35	+34 5.8	1.502	2.385	13.1	18.8
1 22	9 45.95	+36 4.5	1.460	2.384	10.4	18.7
2 1	9 36.84	+37 50.4	1.442	2.382	9.1	18.6
2 11	9 26.29	+39 11.2	1.450	2.381	10.1	18.6
2 21	9 15.91	+39 58.9	1.482	2.380	12.6	18.8
3 2	9 7.33	+40 11.9	1.537	2.380	15.7	19.0
3 12	9 1.73	+39 53.8	1.611	2.380	18.5	19.2

328399 2008 SW_{3} 2 9.2 185°.15 2°.6/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.84	+22 24.4	2.831	3.609	10.8	21.4
1 12	9 50.78	+23 5.9	2.740	3.609	8.4	21.3
1 22	9 43.87	+23 50.6	2.674	3.608	5.7	21.1
2 1	9 35.58	+24 34.1	2.637	3.607	3.2	20.9
2 11	9 26.59	+25 11.8	2.632	3.605	3.0	20.9
2 21	9 17.68	+25 40.0	2.657	3.602	5.4	21.0
3 2	9 9.64	+25 56.6	2.712	3.599	8.1	21.2
3 12	9 3.14	+26 0.8	2.792	3.595	10.6	21.4

512286 2016 GX_{133} 2 9.2 166°.19 2°.4/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 49.69	+ 2 44.3	2.746	3.475	12.3	22.1
1 12	9 45.99	+ 3 15.6	2.648	3.478	10.0	22.0
1 22	9 40.66	+ 4 1.9	2.573	3.481	7.3	21.8
2 1	9 34.10	+ 5 1.6	2.525	3.484	4.4	21.6
2 11	9 26.91	+ 6 11.4	2.507	3.486	2.4	21.5
2 21	9 19.76	+ 7 26.8	2.520	3.488	3.9	21.6
3 2	9 13.34	+ 8 42.6	2.563	3.489	6.8	21.8
3 12	9 8.25	+ 9 54.4	2.634	3.490	9.5	21.9

433375 2013 SH_{51} 2 9.2 128°.72 5°.3/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.74	+30 0.1	2.434	3.224	12.0	21.7
1 12	9 52.59	+31 2.7	2.367	3.236	9.5	21.5
1 22	9 45.22	+32 3.9	2.324	3.249	7.0	21.4
2 1	9 36.21	+32 57.2	2.310	3.261	5.4	21.3
2 11	9 26.46	+33 36.3	2.325	3.272	5.7	21.4
2 21	9 16.97	+33 57.7	2.369	3.283	7.7	21.5
3 2	9 8.68	+34 0.2	2.439	3.294	10.2	21.7
3 12	9 2.33	+33 45.3	2.533	3.304	12.4	21.9

136555 2254 $T\text{-}_{2}$ 2 9.2 49°.84 7°.3/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 2.98	+31 13.7	1.502	2.312	17.2	19.1
1 12	9 57.86	+32 1.4	1.446	2.326	13.7	18.9
1 22	9 49.28	+32 45.3	1.411	2.340	10.2	18.7
2 1	9 38.18	+33 15.4	1.400	2.355	7.7	18.6
2 11	9 26.07	+33 23.1	1.416	2.370	7.8	18.7
2 21	9 14.67	+33 4.9	1.457	2.386	10.5	18.9
3 2	9 5.44	+32 22.2	1.523	2.402	13.8	19.1
3 12	8 59.34	+31 19.9	1.611	2.418	16.9	19.4

236392 2006 DP_{36} 2 9.2 21°.50 6°.1/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.72	+30 14.4	1.768	2.571	15.3	20.0
1 12	9 55.71	+30 47.1	1.697	2.575	12.2	19.8
1 22	9 47.69	+31 17.1	1.649	2.579	8.9	19.6
2 1	9 37.45	+31 36.3	1.626	2.583	6.5	19.5
2 11	9 26.23	+31 38.0	1.630	2.588	6.5	19.5
2 21	9 15.45	+31 18.7	1.661	2.593	9.1	19.7
3 2	9 6.42	+30 38.6	1.718	2.599	12.3	19.9
3 12	9 0.08	+29 41.1	1.798	2.605	15.4	20.1

104493 2000 GX_{30} 2 9.2 192°.19 0°.6/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 51.96	+10 51.4	2.358	3.125	13.0	20.5
1 12	9 48.06	+11 8.7	2.264	3.124	10.3	20.3
1 22	9 42.21	+11 37.0	2.194	3.124	7.0	20.1
2 1	9 34.87	+12 13.7	2.150	3.123	3.4	19.9
2 11	9 26.77	+12 55.0	2.136	3.122	0.8	19.7
2 21	9 18.74	+13 36.5	2.152	3.121	4.3	19.9
3 2	9 11.63	+14 14.2	2.197	3.120	7.9	20.1
3 12	9 6.14	+14 45.0	2.267	3.119	11.1	20.3

85411 Paulflora 2 9.2 128°.70 2°.3/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.66	+ 6 31.6	2.050	2.807	15.0	20.4
1 12	9 49.62	+ 6 34.6	1.963	2.813	12.1	20.2
1 22	9 43.37	+ 6 52.6	1.898	2.818	8.6	20.0
2 1	9 35.43	+ 7 23.9	1.858	2.824	4.9	19.8
2 11	9 26.66	+ 8 4.9	1.847	2.829	2.3	19.6
2 21	9 18.01	+ 8 50.9	1.865	2.834	4.8	19.8
3 2	9 10.45	+ 9 36.9	1.911	2.839	8.6	20.1
3 12	9 4.76	+10 18.4	1.983	2.844	12.0	20.3

292255 2006 SQ_{91} 2 9.2 28°.06 5°.6/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 50.18	+ 0 9.1	1.392	2.159	20.4	21.2
1 12	9 47.80	− 0 7.9	1.322	2.169	16.9	21.0
1 22	9 42.59	+ 0 1.4	1.269	2.180	12.9	20.8
2 1	9 35.19	+ 0 37.6	1.238	2.192	8.6	20.6
2 11	9 26.72	+ 1 37.0	1.232	2.205	5.7	20.4
2 21	9 18.49	+ 2 52.3	1.251	2.218	7.1	20.5
3 2	9 11.80	+ 4 14.3	1.295	2.232	10.9	20.8
3 12	9 7.60	+ 5 33.4	1.362	2.247	14.8	21.1

237307 2008 YQ_{90} 2 9.2 294°.20 1°.4/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.80	+ 9 31.3	2.200	2.967	13.8	20.7
1 12	9 48.17	+ 9 33.0	2.097	2.956	11.1	20.5
1 22	9 42.44	+ 9 46.5	2.017	2.944	7.7	20.2
2 1	9 35.04	+10 10.1	1.962	2.933	4.0	20.0
2 11	9 26.75	+10 40.7	1.936	2.921	1.4	19.8
2 21	9 18.45	+11 14.1	1.940	2.910	4.6	20.0
3 2	9 11.08	+11 46.1	1.972	2.899	8.4	20.2
3 12	9 5.43	+12 13.3	2.029	2.888	11.8	20.4

226923 2004 TT_{240} 2 9.2 118°.25 5°.2/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.16	− 2 35.4	2.362	3.064	14.7	20.5
1 12	9 49.62	− 3 0.4	2.278	3.079	12.4	20.4
1 22	9 43.17	− 3 8.1	2.215	3.094	9.7	20.2
2 1	9 35.29	− 2 57.9	2.176	3.109	7.0	20.1
2 11	9 26.72	− 2 31.1	2.166	3.123	5.3	20.0
2 21	9 18.30	− 1 50.8	2.185	3.137	5.9	20.0
3 2	9 10.85	− 1 1.5	2.232	3.150	8.1	20.2
3 12	9 5.02	− 0 8.7	2.306	3.163	10.7	20.4

128552 2004 PA_{77} 2 9.2 168°.95 2°.0/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 49.58	+ 5 21.4	3.054	3.790	11.0	20.6
1 12	9 45.72	+ 5 30.5	2.956	3.792	8.9	20.4
1 22	9 40.39	+ 5 50.5	2.882	3.794	6.4	20.3
2 1	9 33.97	+ 6 20.2	2.835	3.796	3.7	20.1
2 11	9 27.01	+ 6 57.3	2.818	3.798	2.0	20.0
2 21	9 20.09	+ 7 38.7	2.832	3.799	3.5	20.1
3 2	9 13.84	+ 8 21.1	2.876	3.800	6.2	20.3
3 12	9 8.77	+ 9 1.3	2.947	3.801	8.7	20.4

208426 2001 SE_{355} 2 9.2 169°.01 1°.0/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.57	+10 32.2	2.771	3.524	11.6	21.3
1 12	9 48.94	+10 32.3	2.676	3.527	9.2	21.1
1 22	9 42.61	+10 40.8	2.604	3.529	6.3	20.9
2 1	9 35.01	+10 56.1	2.561	3.532	3.2	20.7
2 11	9 26.78	+11 15.6	2.548	3.533	1.0	20.5
2 21	9 18.65	+11 36.3	2.566	3.535	3.8	20.7
3 2	9 11.32	+11 55.6	2.615	3.536	6.9	20.9
3 12	9 5.40	+12 11.0	2.690	3.537	9.7	21.1

337447 2001 RH_{58} 2 9.2 113°.73 6°.0/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.32	+33 28.2	2.432	3.219	12.1	20.8
1 12	9 53.87	+34 15.7	2.363	3.227	9.8	20.6
1 22	9 46.10	+34 59.0	2.318	3.235	7.5	20.5
2 1	9 36.64	+35 31.6	2.300	3.242	6.1	20.4
2 11	9 26.45	+35 47.9	2.312	3.250	6.4	20.5
2 21	9 16.58	+35 45.1	2.351	3.257	8.2	20.6
3 2	9 8.02	+35 23.1	2.417	3.264	10.5	20.8
3 12	9 1.51	+34 44.1	2.506	3.271	12.7	20.9

334408 2002 DK_{14} 2 9.2 257°.35 0°.0/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.57	+10 55.2	2.077	2.853	14.3	20.9
1 12	9 48.17	+11 37.6	1.977	2.844	11.3	20.6
1 22	9 42.54	+12 34.6	1.900	2.834	7.7	20.4
2 1	9 35.14	+13 42.8	1.850	2.825	3.6	20.1
2 11	9 26.75	+14 56.4	1.829	2.816	0.7	19.9
2 21	9 18.33	+16 8.7	1.838	2.806	5.1	20.2
3 2	9 10.90	+17 13.9	1.875	2.796	9.1	20.4
3 12	9 5.30	+18 7.5	1.937	2.786	12.7	20.6

196886 2003 SF_{317} 2 9.2 213°.69 1°.4/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 53.17	+16 34.2	2.147	2.934	13.5	20.5
1 12	9 49.27	+17 9.6	2.058	2.933	10.5	20.3
1 22	9 43.17	+17 53.8	1.993	2.932	7.0	20.1
2 1	9 35.37	+18 42.3	1.954	2.930	3.2	19.8
2 11	9 26.71	+19 29.7	1.945	2.929	1.9	19.7
2 21	9 18.14	+20 10.8	1.965	2.927	5.5	19.9
3 2	9 10.63	+20 41.7	2.013	2.926	9.2	20.2
3 12	9 4.97	+21 0.4	2.086	2.924	12.4	20.4

151095 2001 VA_{103} 2 9.2 178°.65 0°.4/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.60	+11 41.6	2.391	3.152	13.0	21.3
1 12	9 50.85	+11 57.8	2.297	3.154	10.3	21.2
1 22	9 44.07	+12 24.2	2.226	3.155	7.0	21.0
2 1	9 35.75	+12 58.0	2.183	3.156	3.3	20.7
2 11	9 26.64	+13 35.2	2.170	3.156	0.7	20.5
2 21	9 17.61	+14 11.8	2.187	3.155	4.4	20.8
3 2	9 9.54	+14 44.0	2.235	3.154	8.0	21.0
3 12	9 3.16	+15 9.1	2.308	3.152	11.1	21.2

2559 Svoboda 2 9.2 43°.54 3°.1/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.09	+21 51.5	1.670	2.473	16.0	16.3
1 12	9 53.55	+22 10.7	1.603	2.486	12.5	16.1
1 22	9 46.20	+22 34.1	1.558	2.499	8.4	15.9
2 1	9 36.76	+22 55.8	1.539	2.512	4.4	15.7
2 11	9 26.44	+23 9.5	1.547	2.526	3.5	15.7
2 21	9 16.54	+23 11.1	1.583	2.540	7.1	15.9
3 2	9 8.29	+22 58.8	1.645	2.555	11.0	16.2
3 12	9 2.56	+22 33.3	1.731	2.570	14.5	16.5

1573 Väisälä 2 9.2 102°.46 11°.2/20.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.27	−19 34.6	1.924	2.531	20.2	16.7
1 12	9 51.04	−20 13.6	1.852	2.554	18.2	16.6
1 22	9 44.40	−20 21.2	1.794	2.576	15.9	16.5
2 1	9 35.93	−19 52.8	1.754	2.598	13.7	16.4
2 11	9 26.61	−18 47.7	1.737	2.619	11.9	16.3
2 21	9 17.52	−17 9.7	1.745	2.640	11.2	16.3
3 2	9 9.72	−15 7.0	1.778	2.660	12.0	16.4
3 12	9 4.04	−12 50.9	1.837	2.679	13.6	16.5

419040 2009 RU_{12} 2 9.2 145°.54 4°.7/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.66	+27 28.8	2.222	3.012	13.0	20.9
1 12	9 54.26	+28 15.1	2.148	3.020	10.2	20.7
1 22	9 46.45	+29 1.6	2.097	3.027	7.3	20.5
2 1	9 36.84	+29 41.7	2.074	3.035	5.0	20.4
2 11	9 26.42	+30 9.3	2.080	3.041	5.1	20.4
2 21	9 16.26	+30 20.5	2.116	3.047	7.5	20.6
3 2	9 7.42	+30 14.0	2.178	3.053	10.4	20.8
3 12	9 0.69	+29 51.3	2.265	3.059	13.0	21.0

199370 2006 BA_{203} 2 9.2 139°.48 0°.8/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.51	+14 38.4	2.164	2.945	13.6	21.1
1 12	9 49.45	+15 12.4	2.079	2.949	10.6	20.9
1 22	9 43.24	+15 56.4	2.017	2.954	7.1	20.7
2 1	9 35.39	+16 46.2	1.982	2.958	3.2	20.5
2 11	9 26.73	+17 36.5	1.977	2.962	1.3	20.3
2 21	9 18.19	+18 22.1	2.001	2.966	5.1	20.6
3 2	9 10.72	+18 58.9	2.054	2.970	8.8	20.8
3 12	9 5.08	+19 24.5	2.132	2.973	12.0	21.0

268600 2006 BB_{247} 2 9.2 106°.49 0°.1/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.06	+12 30.2	2.076	2.854	14.2	21.1
1 12	9 49.16	+12 59.9	1.993	2.861	11.1	20.9
1 22	9 43.07	+13 41.2	1.932	2.867	7.5	20.7
2 1	9 35.32	+14 30.6	1.899	2.874	3.4	20.4
2 11	9 26.75	+15 22.7	1.894	2.880	0.8	20.2
2 21	9 18.32	+16 12.2	1.919	2.887	4.9	20.5
3 2	9 11.00	+16 54.4	1.972	2.893	8.8	20.8
3 12	9 5.54	+17 26.3	2.050	2.899	12.2	21.0

340832 2006 UE_{262} 2 9.2 90°.23 3°.3/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.85	+ 5 56.9	1.413	2.184	20.0	20.4
1 12	9 55.20	+ 5 46.9	1.349	2.205	16.1	20.2
1 22	9 47.46	+ 5 57.3	1.303	2.226	11.5	20.0
2 1	9 37.40	+ 6 26.5	1.280	2.246	6.5	19.8
2 11	9 26.32	+ 7 9.5	1.285	2.266	3.3	19.6
2 21	9 15.67	+ 7 59.4	1.316	2.286	6.3	19.9
3 2	9 6.82	+ 8 49.3	1.374	2.305	10.9	20.2
3 12	9 0.75	+ 9 32.9	1.454	2.324	15.0	20.5

209376 2004 EM_{24} 2 9.2 5°.18 5°.6/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 48.34	− 6 36.4	2.290	2.984	15.3	20.1
1 12	9 45.35	− 6 24.2	2.192	2.984	13.1	19.9
1 22	9 40.46	− 5 49.1	2.113	2.984	10.5	19.8
2 1	9 34.11	− 4 50.6	2.058	2.984	7.8	19.6
2 11	9 27.00	− 3 30.7	2.031	2.985	5.9	19.5
2 21	9 19.93	− 1 54.4	2.032	2.985	6.1	19.5
3 2	9 13.72	− 0 8.6	2.061	2.986	8.2	19.6
3 12	9 9.06	+ 1 38.8	2.118	2.987	11.0	19.8

341619 2007 UJ_{133} 2 9.2 300°.59 6°.7/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 49.75	− 6 19.1	2.279	2.972	15.4	20.9
1 12	9 46.51	− 6 49.7	2.177	2.965	13.3	20.7
1 22	9 41.29	− 7 0.7	2.093	2.957	10.9	20.5
2 1	9 34.53	− 6 50.2	2.034	2.950	8.5	20.4
2 11	9 26.91	− 6 18.1	2.000	2.943	6.8	20.3
2 21	9 19.27	− 5 27.3	1.993	2.936	7.0	20.3
3 2	9 12.49	− 4 22.6	2.014	2.930	9.0	20.4
3 12	9 7.29	− 3 10.6	2.061	2.923	11.5	20.5

11029 1988 GZ 2 9.2 206°.55 2°.2/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.31	+20 24.6	2.656	3.439	11.3	18.1
1 12	9 48.97	+20 59.7	2.563	3.436	8.8	17.9
1 22	9 42.76	+21 39.4	2.495	3.432	5.9	17.7
2 1	9 35.14	+22 19.6	2.455	3.428	3.0	17.5
2 11	9 26.80	+22 55.8	2.445	3.424	2.5	17.5
2 21	9 18.53	+23 24.0	2.466	3.419	5.2	17.7
3 2	9 11.13	+23 41.9	2.516	3.415	8.2	17.8
3 12	9 5.28	+23 48.2	2.591	3.410	10.9	18.0

276317 2002 TV_{178} 2 9.2 138°.26 3°.8/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.69	− 0 31.9	2.997	3.697	11.9	20.5
1 12	9 48.08	− 0 45.2	2.907	3.711	9.9	20.4
1 22	9 41.94	− 0 45.4	2.838	3.724	7.6	20.3
2 1	9 34.69	− 0 32.7	2.797	3.736	5.3	20.1
2 11	9 26.90	− 0 8.3	2.785	3.748	3.8	20.0
2 21	9 19.22	+ 0 25.2	2.804	3.760	4.5	20.1
3 2	9 12.27	+ 1 4.4	2.853	3.771	6.5	20.3
3 12	9 6.59	+ 1 45.6	2.929	3.781	8.8	20.4

171271 2006 EU_6 2 9.2 229°.40 0°.2/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.40	+12 5.8	1.990	2.760	15.0	21.4
1 12	9 52.88	+12 24.4	1.886	2.748	11.9	21.2
1 22	9 45.83	+12 55.6	1.803	2.736	8.1	20.9
2 1	9 36.72	+13 36.2	1.748	2.722	3.9	20.6
2 11	9 26.45	+14 21.2	1.721	2.708	0.8	20.4
2 21	9 16.11	+15 5.3	1.725	2.693	5.4	20.7
3 2	9 6.87	+15 43.3	1.756	2.677	9.7	20.9
3 12	8 59.69	+16 11.7	1.813	2.660	13.6	21.1

319677 2006 TL_{76} 2 9.3 66°.15 5°.4/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 3.97	+27 43.4	1.613	2.415	16.6	19.9
1 12	9 58.25	+28 13.8	1.554	2.433	13.0	19.8
1 22	9 49.37	+28 43.1	1.517	2.451	9.2	19.6
2 1	9 38.22	+29 3.2	1.506	2.470	6.0	19.4
2 11	9 26.20	+29 6.8	1.522	2.488	5.9	19.5
2 21	9 14.83	+28 50.9	1.565	2.507	8.7	19.7
3 2	9 5.46	+28 15.7	1.634	2.525	12.3	19.9
3 12	8 58.97	+27 24.7	1.726	2.543	15.5	20.2

498992 2009 BT_{174} 2 9.3 314°.50 0°.1/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.15	+13 54.5	2.226	3.006	13.3	21.6
1 12	9 48.42	+14 5.2	2.130	2.999	10.5	21.4
1 22	9 42.58	+14 25.1	2.056	2.992	7.1	21.2
2 1	9 35.13	+14 51.1	2.010	2.985	3.3	20.9
2 11	9 26.83	+15 19.3	1.992	2.978	0.7	20.7
2 21	9 18.59	+15 45.6	2.004	2.972	4.7	21.0
3 2	9 11.32	+16 6.6	2.044	2.965	8.5	21.2
3 12	9 5.79	+16 19.7	2.109	2.959	11.8	21.4

500266 2012 LK_{12} 2 9.3 252°.78 5°.4/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.61	− 1 54.9	2.212	2.926	15.3	22.2
1 12	9 48.86	− 2 17.4	2.102	2.912	12.9	22.0
1 22	9 42.97	− 2 22.1	2.012	2.898	10.2	21.8
2 1	9 35.37	− 2 7.5	1.946	2.884	7.3	21.6
2 11	9 26.77	− 1 34.4	1.908	2.869	5.5	21.4
2 21	9 18.09	− 0 45.9	1.898	2.854	6.2	21.4
3 2	9 10.26	+ 0 13.1	1.916	2.838	8.9	21.6
3 12	9 4.13	+ 1 16.2	1.960	2.822	12.0	21.7

273970 2007 LH_5 2 9.3 193°.37 1°.6/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.46	+15 37.7	2.356	3.136	12.6	21.1
1 12	9 48.58	+16 40.3	2.263	3.135	9.8	20.9
1 22	9 42.67	+17 53.3	2.195	3.133	6.5	20.7
2 1	9 35.17	+19 11.7	2.155	3.131	3.0	20.5
2 11	9 26.83	+20 29.4	2.146	3.128	2.0	20.4
2 21	9 18.52	+21 40.3	2.167	3.125	5.3	20.6
3 2	9 11.12	+22 39.5	2.217	3.122	8.8	20.8
3 12	9 5.38	+23 24.5	2.292	3.119	11.8	21.0

489563 2007 TB_{27} 2 9.3 191°.18 0°.9/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.78	+15 2.1	2.019	2.796	14.6	22.8
1 12	9 53.04	+15 33.0	1.926	2.795	11.4	22.6
1 22	9 45.82	+16 14.2	1.857	2.793	7.7	22.3
2 1	9 36.68	+17 1.5	1.815	2.790	3.5	22.1
2 11	9 26.51	+17 49.1	1.802	2.787	1.4	21.9
2 21	9 16.42	+18 31.4	1.819	2.783	5.6	22.2
3 2	9 7.52	+19 4.0	1.865	2.779	9.6	22.4
3 12	9 0.68	+19 24.6	1.935	2.774	13.2	22.6

280881 2005 WJ_{16} 2 9.3 137°.26 3°.9/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	10 1.34	+21 56.0	1.854	2.645	15.2	21.8
1 12	9 55.95	+23 1.6	1.784	2.660	11.8	21.6
1 22	9 47.80	+24 13.4	1.738	2.674	8.0	21.4
2 1	9 37.56	+25 23.3	1.718	2.688	4.6	21.2
2 11	9 26.34	+26 23.0	1.728	2.701	4.4	21.2
2 21	9 15.42	+27 6.2	1.768	2.713	7.6	21.4
3 2	9 6.03	+27 30.1	1.834	2.724	11.2	21.7
3 12	8 59.08	+27 35.0	1.924	2.734	14.4	21.9

109923 2001 SF_{31} 2 9.3 196°.13 2°.5/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 50.13	+ 3 20.6	2.676	3.408	12.5	20.4
1 12	9 46.43	+ 3 36.7	2.574	3.407	10.2	20.3
1 22	9 41.05	+ 4 7.1	2.496	3.405	7.4	20.1
2 1	9 34.37	+ 4 50.6	2.444	3.402	4.5	19.9
2 11	9 27.02	+ 5 44.3	2.421	3.400	2.6	19.8
2 21	9 19.70	+ 6 44.2	2.429	3.397	4.1	19.9
3 2	9 13.12	+ 7 45.8	2.467	3.394	7.0	20.0
3 12	9 7.90	+ 8 44.7	2.532	3.390	9.8	20.2

80465 2000 AQ_{20} 2 9.3 51°.10 3°.8/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.14	+19 38.8	1.264	2.084	19.2	19.1
1 12	9 53.82	+20 33.4	1.199	2.091	15.0	18.8
1 22	9 46.97	+21 39.4	1.154	2.099	10.1	18.6
2 1	9 37.35	+22 47.5	1.132	2.107	5.3	18.3
2 11	9 26.39	+23 46.9	1.136	2.116	4.5	18.3
2 21	9 15.82	+24 28.7	1.166	2.124	8.9	18.6
3 2	9 7.28	+24 48.5	1.220	2.133	13.7	18.9
3 12	9 1.89	+24 46.6	1.294	2.142	17.9	19.1

428950 2008 YG_{11} 2 9.3 3°.60 4°.8/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.69	+25 8.8	2.043	2.848	13.4	20.5
1 12	9 49.20	+26 23.2	1.965	2.848	10.5	20.3
1 22	9 43.29	+27 41.8	1.911	2.848	7.4	20.1
2 1	9 35.51	+28 57.1	1.885	2.848	5.1	20.0
2 11	9 26.78	+30 1.0	1.886	2.849	5.4	20.0
2 21	9 18.17	+30 47.9	1.916	2.849	8.0	20.2
3 2	9 10.75	+31 14.4	1.972	2.850	11.1	20.3
3 12	9 5.40	+31 20.8	2.051	2.851	14.0	20.5

319519 2006 RJ 2 9.3 176°.23 0°.5/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.86	+14 42.1	3.283	4.045	9.8	22.5
1 12	9 47.42	+15 12.0	3.187	4.047	7.6	22.3
1 22	9 41.52	+15 48.3	3.117	4.049	5.1	22.1
2 1	9 34.53	+16 28.2	3.076	4.051	2.3	21.9
2 11	9 27.00	+17 8.4	3.066	4.052	0.8	21.8
2 21	9 19.53	+17 45.9	3.089	4.052	3.6	22.0
3 2	9 12.72	+18 17.9	3.141	4.052	6.3	22.2
3 12	9 7.09	+18 42.7	3.221	4.051	8.7	22.4

328977 2010 VE_{194} 2 9.3 39°.37 5°.1/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.17	+23 20.7	1.435	2.256	17.3	20.6
1 12	9 51.82	+24 27.8	1.379	2.271	13.5	20.4
1 22	9 45.33	+25 40.6	1.343	2.286	9.2	20.2
2 1	9 36.49	+26 49.4	1.333	2.302	5.7	20.0
2 11	9 26.60	+27 44.4	1.348	2.319	5.7	20.0
2 21	9 17.18	+28 18.7	1.390	2.337	9.1	20.3
3 2	9 9.59	+28 29.9	1.456	2.354	13.0	20.5
3 12	9 4.78	+28 19.2	1.543	2.373	16.4	20.8

492655 2014 OM_{381} 2 9.3 228°.00 1°.1/10.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.79	+ 9 50.1	1.853	2.622	16.0	22.3
1 12	9 52.57	+10 2.5	1.752	2.613	12.8	22.1
1 22	9 45.71	+10 29.7	1.673	2.603	8.9	21.8
2 1	9 36.72	+11 9.2	1.620	2.592	4.5	21.5
2 11	9 26.52	+11 56.4	1.594	2.580	1.2	21.2
2 21	9 16.27	+12 45.5	1.598	2.568	5.5	21.5
3 2	9 7.19	+13 30.7	1.630	2.556	10.0	21.7
3 12	9 0.29	+14 7.6	1.687	2.542	14.0	22.0

330971 2009 SB_{358} 2 9.3 154°.60 1°.3/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.79	+ 8 58.4	2.184	2.945	14.1	21.4
1 12	9 49.64	+ 9 10.1	2.094	2.949	11.2	21.2
1 22	9 43.37	+ 9 34.7	2.027	2.953	7.8	21.0
2 1	9 35.50	+10 9.8	1.986	2.957	4.0	20.8
2 11	9 26.81	+10 51.6	1.975	2.960	1.4	20.6
2 21	9 18.23	+11 35.4	1.993	2.963	4.5	20.9
3 2	9 10.67	+12 16.7	2.040	2.966	8.3	21.1
3 12	9 4.88	+12 51.9	2.113	2.968	11.6	21.3

66299 1999 JG_{32} 2 9.3 258°.14 3°.1/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.37	+19 12.2	1.676	2.477	16.1	19.2
1 12	9 52.68	+20 5.1	1.582	2.465	12.6	18.9
1 22	9 46.03	+21 8.9	1.511	2.453	8.5	18.6
2 1	9 36.94	+22 16.8	1.465	2.440	4.4	18.4
2 11	9 26.48	+23 20.0	1.448	2.427	3.7	18.3
2 21	9 15.97	+24 10.6	1.457	2.413	7.7	18.5
3 2	9 6.84	+24 43.4	1.493	2.400	12.2	18.7
3 12	9 0.23	+24 56.6	1.552	2.386	16.1	18.9

496077 2009 SV_{15} 2 9.3 216°.75 1°.3/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 55.28	+ 8 47.6	2.491	3.240	12.9	22.3
1 12	9 50.64	+ 8 57.4	2.382	3.230	10.3	22.1
1 22	9 44.00	+ 9 18.8	2.297	3.219	7.2	21.9
2 1	9 35.80	+ 9 49.8	2.239	3.208	3.8	21.6
2 11	9 26.74	+10 27.4	2.212	3.196	1.4	21.4
2 21	9 17.65	+11 7.5	2.215	3.184	4.3	21.6
3 2	9 9.39	+11 46.1	2.248	3.171	7.8	21.8
3 12	9 2.71	+12 19.9	2.308	3.157	11.0	22.0

365793 2011 AY_{27} 2 9.3 124°.12 1°.2/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.50	+10 26.2	2.020	2.788	14.9	21.1
1 12	9 51.11	+10 26.3	1.935	2.794	11.8	20.9
1 22	9 44.42	+10 38.2	1.871	2.800	8.2	20.7
2 1	9 36.00	+10 59.6	1.834	2.805	4.1	20.4
2 11	9 26.71	+11 26.9	1.825	2.810	1.3	20.2
2 21	9 17.58	+11 55.6	1.846	2.816	4.8	20.5
3 2	9 9.62	+12 21.8	1.895	2.820	8.8	20.7
3 12	9 3.61	+12 42.2	1.969	2.825	12.3	21.0

240421 2003 WJ_{12} 2 9.3 303°.69 13°.2/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.02	−19 33.9	2.161	2.758	18.4	19.5
1 12	9 50.32	−21 30.9	2.058	2.742	17.1	19.4
1 22	9 44.22	−23 7.0	1.971	2.726	15.7	19.2
2 1	9 36.08	−24 15.2	1.903	2.710	14.3	19.1
2 11	9 26.66	−24 50.4	1.857	2.694	13.4	19.0
2 21	9 16.97	−24 50.6	1.833	2.679	13.3	18.9
3 2	9 8.14	−24 17.7	1.831	2.664	14.0	18.9
3 12	9 1.17	−23 18.1	1.850	2.649	15.3	19.0

62880 2000 US_{91} 2 9.3 285°.38 2°.5/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.44	+21 20.9	2.425	3.215	12.1	19.7
1 12	9 49.30	+21 49.7	2.331	3.207	9.4	19.5
1 22	9 43.13	+22 22.8	2.262	3.200	6.3	19.3
2 1	9 35.39	+22 55.7	2.219	3.192	3.4	19.1
2 11	9 26.84	+23 23.6	2.207	3.185	2.9	19.0
2 21	9 18.38	+23 42.6	2.224	3.177	5.6	19.2
3 2	9 10.88	+23 50.4	2.269	3.170	8.8	19.4
3 12	9 5.08	+23 46.0	2.339	3.162	11.7	19.6

219073 1997 YR_{15} 2 9.3 120°.76 0°.1/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.37	+13 14.6	2.000	2.778	14.7	20.9
1 12	9 51.04	+13 34.4	1.918	2.786	11.5	20.7
1 22	9 44.39	+14 5.1	1.859	2.794	7.7	20.5
2 1	9 35.98	+14 43.0	1.826	2.801	3.6	20.3
2 11	9 26.72	+15 23.1	1.823	2.809	0.8	20.1
2 21	9 17.65	+16 0.4	1.848	2.816	5.1	20.4
3 2	9 9.76	+16 30.8	1.902	2.823	9.1	20.7
3 12	9 3.87	+16 51.5	1.981	2.830	12.5	20.9

55188 2001 QF_{292} 2 9.3 87°.32 0°.5/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.72	+14 3.3	2.409	3.183	12.6	18.9
1 12	9 48.52	+14 33.7	2.335	3.201	9.8	18.7
1 22	9 42.44	+15 12.7	2.284	3.219	6.5	18.5
2 1	9 35.00	+15 56.8	2.261	3.237	2.9	18.3
2 11	9 26.95	+16 41.4	2.269	3.254	0.9	18.2
2 21	9 19.09	+17 22.3	2.306	3.272	4.4	18.5
3 2	9 12.23	+17 56.0	2.372	3.289	7.7	18.7
3 12	9 6.98	+18 20.4	2.465	3.306	10.6	18.9

77841 2001 QO_{272} 2 9.3 338°.74 4°.1/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.51	+24 57.7	1.983	2.785	13.9	19.0
1 12	9 51.41	+25 31.5	1.899	2.780	10.9	18.8
1 22	9 44.79	+26 7.6	1.838	2.775	7.6	18.6
2 1	9 36.22	+26 39.9	1.803	2.771	4.7	18.4
2 11	9 26.68	+27 2.2	1.796	2.767	4.5	18.4
2 21	9 17.32	+27 10.0	1.818	2.763	7.4	18.5
3 2	9 9.26	+27 1.3	1.866	2.760	10.8	18.7
3 12	9 3.38	+26 37.0	1.937	2.757	13.9	18.9

51820 2001 OT_{19} 2 9.3 78°.11 0°.0/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.28	+13 12.6	1.741	2.524	16.3	19.3
1 12	9 52.72	+13 26.7	1.672	2.543	12.7	19.1
1 22	9 45.57	+13 52.5	1.626	2.561	8.6	18.9
2 1	9 36.52	+14 26.0	1.605	2.580	4.0	18.6
2 11	9 26.64	+15 1.7	1.613	2.599	0.8	18.4
2 21	9 17.10	+15 34.2	1.649	2.617	5.5	18.8
3 2	9 9.04	+15 59.4	1.712	2.636	9.7	19.1
3 12	9 3.28	+16 14.8	1.800	2.654	13.4	19.4

284195 2006 BH_{25} 2 9.3 137°.83 2°.9/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 1.39	+ 6 42.6	1.899	2.645	16.4	21.3
1 12	9 55.74	+ 6 21.4	1.817	2.659	13.2	21.1
1 22	9 47.56	+ 6 14.3	1.756	2.672	9.5	20.9
2 1	9 37.46	+ 6 20.4	1.721	2.685	5.5	20.7
2 11	9 26.44	+ 6 37.0	1.716	2.696	2.9	20.5
2 21	9 15.66	+ 7 0.2	1.740	2.707	5.4	20.7
3 2	9 6.23	+ 7 25.7	1.793	2.717	9.3	21.0
3 12	8 59.03	+ 7 49.2	1.871	2.726	12.8	21.2

32780 1988 CR_5 2 9.3 259°.61 2°.2/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 59.37	+ 9 2.4	1.889	2.649	16.0	18.7
1 12	9 54.70	+ 8 43.6	1.774	2.626	13.0	18.4
1 22	9 47.27	+ 8 36.9	1.680	2.603	9.3	18.1
2 1	9 37.53	+ 8 41.7	1.611	2.580	5.1	17.8
2 11	9 26.38	+ 8 55.3	1.572	2.555	2.3	17.6
2 21	9 15.00	+ 9 14.0	1.561	2.530	5.7	17.7
3 2	9 4.70	+ 9 33.6	1.579	2.504	10.2	17.9
3 12	8 56.59	+ 9 50.1	1.621	2.478	14.4	18.1

502649 2015 CF_{43} 2 9.3 226°.01 2°.9/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 2.25	+25 7.4	2.557	3.331	11.9	21.5
1 12	9 55.97	+25 11.9	2.459	3.325	9.4	21.3
1 22	9 47.49	+25 16.0	2.386	3.318	6.5	21.1
2 1	9 37.37	+25 15.4	2.342	3.311	3.7	20.9
2 11	9 26.46	+25 6.4	2.329	3.303	3.3	20.9
2 21	9 15.73	+24 46.3	2.347	3.296	5.8	21.0
3 2	9 6.13	+24 14.8	2.396	3.288	8.8	21.2
3 12	8 58.41	+23 32.8	2.470	3.280	11.6	21.4

52232 1978 UY_4 2 9.3 85°.23 2°.3/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.95	+ 7 11.2	1.458	2.232	19.3	20.0
1 12	9 54.42	+ 7 18.4	1.395	2.255	15.4	19.8
1 22	9 46.91	+ 7 45.2	1.351	2.278	10.8	19.6
2 1	9 37.19	+ 8 28.7	1.332	2.301	5.8	19.4
2 11	9 26.51	+ 9 22.8	1.339	2.323	2.3	19.2
2 21	9 16.27	+10 20.2	1.374	2.345	6.0	19.5
3 2	9 7.78	+11 13.8	1.436	2.367	10.6	19.8
3 12	9 1.95	+11 58.4	1.521	2.388	14.6	20.1

315294 2007 TK_{156} 2 9.3 157°.98 3°.1/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.54	+ 4 58.4	1.917	2.666	16.2	21.1
1 12	9 52.07	+ 4 52.8	1.829	2.672	13.2	20.9
1 22	9 45.17	+ 5 3.7	1.761	2.677	9.5	20.7
2 1	9 36.40	+ 5 30.3	1.719	2.681	5.7	20.5
2 11	9 26.66	+ 6 9.2	1.705	2.685	3.1	20.3
2 21	9 17.03	+ 6 55.7	1.721	2.689	5.3	20.5
3 2	9 8.60	+ 7 44.2	1.764	2.692	9.2	20.7
3 12	9 2.24	+ 8 29.3	1.833	2.694	12.8	20.9

17255 2000 GS_{163} 2 9.3 116°.94 4°.5/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.13	− 1 28.2	2.091	2.810	15.9	18.8
1 12	9 49.15	− 1 21.7	2.007	2.824	13.2	18.6
1 22	9 43.05	− 0 54.7	1.944	2.837	10.1	18.5
2 1	9 35.36	− 0 7.4	1.905	2.850	6.8	18.3
2 11	9 26.88	+ 0 57.0	1.894	2.863	4.6	18.2
2 21	9 18.56	+ 2 13.1	1.913	2.875	5.5	18.3
3 2	9 11.29	+ 3 34.4	1.960	2.887	8.4	18.4
3 12	9 5.83	+ 4 54.0	2.033	2.898	11.6	18.7

216321 2007 TN_{363} 2 9.3 163°.88 2°.1/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.07	+ 6 21.5	2.457	3.206	13.0	20.9
1 12	9 47.30	+ 6 27.3	2.362	3.207	10.5	20.8
1 22	9 41.70	+ 6 45.9	2.290	3.208	7.5	20.6
2 1	9 34.72	+ 7 15.9	2.244	3.209	4.3	20.4
2 11	9 27.02	+ 7 54.4	2.228	3.210	2.1	20.2
2 21	9 19.39	+ 8 37.4	2.241	3.211	4.2	20.4
3 2	9 12.60	+ 9 20.9	2.284	3.211	7.4	20.6
3 12	9 7.33	+10 0.9	2.353	3.212	10.4	20.8

292189 2006 SN_{28} 2 9.3 274°.68 3°.7/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 50.17	+ 1 19.0	2.359	3.090	14.0	21.1
1 12	9 46.71	+ 1 17.1	2.262	3.089	11.5	20.9
1 22	9 41.36	+ 1 31.5	2.187	3.089	8.7	20.7
2 1	9 34.58	+ 2 1.8	2.137	3.088	5.7	20.6
2 11	9 27.05	+ 2 45.6	2.115	3.088	3.7	20.4
2 21	9 19.56	+ 3 39.1	2.122	3.087	4.9	20.5
3 2	9 12.92	+ 4 37.3	2.159	3.086	7.7	20.7
3 12	9 7.83	+ 5 35.1	2.221	3.086	10.7	20.9

448181 2008 TO_{186} 2 9.3 61°.53 2°.4/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.04	+17 32.9	1.302	2.113	19.3	21.9
1 12	9 54.93	+18 10.1	1.246	2.133	15.0	21.7
1 22	9 47.46	+18 58.7	1.210	2.153	9.9	21.4
2 1	9 37.49	+19 51.1	1.198	2.174	4.7	21.2
2 11	9 26.46	+20 38.0	1.212	2.195	3.0	21.1
2 21	9 16.02	+21 12.3	1.252	2.216	7.6	21.5
3 2	9 7.62	+21 30.0	1.317	2.236	12.4	21.8
3 12	9 2.23	+21 30.6	1.404	2.257	16.4	22.1

307043 2001 XY_{242} 2 9.3 143°.33 4°.6/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.84	− 0 28.0	2.410	3.117	14.3	21.0
1 12	9 50.95	− 0 54.0	2.320	3.129	11.9	20.8
1 22	9 44.12	− 1 4.5	2.252	3.139	9.2	20.7
2 1	9 35.82	− 0 59.1	2.209	3.149	6.4	20.5
2 11	9 26.80	− 0 38.9	2.196	3.159	4.7	20.4
2 21	9 17.89	− 0 6.8	2.212	3.167	5.5	20.5
3 2	9 9.94	+ 0 32.9	2.257	3.176	8.0	20.6
3 12	9 3.61	+ 1 15.7	2.329	3.183	10.7	20.8

242971 2006 SC_{116} 2 9.3 156°.20 5°.0/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 54.83	+31 52.9	3.009	3.794	10.0	21.1
1 12	9 50.08	+33 0.7	2.937	3.801	8.0	21.0
1 22	9 43.48	+34 6.7	2.890	3.808	6.1	20.9
2 1	9 35.51	+35 5.1	2.872	3.814	5.0	20.8
2 11	9 26.87	+35 51.0	2.884	3.819	5.5	20.9
2 21	9 18.35	+36 21.0	2.926	3.824	7.1	21.0
3 2	9 10.73	+36 33.8	2.994	3.829	9.0	21.1
3 12	9 4.66	+36 30.3	3.086	3.834	10.9	21.2

204902 2007 UB_{126} 2 9.3 133°.51 2°.5/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.35	+18 43.7	2.405	3.194	12.2	20.6
1 12	9 47.70	+19 55.9	2.321	3.198	9.4	20.4
1 22	9 42.06	+21 16.2	2.262	3.201	6.3	20.2
2 1	9 34.92	+22 38.8	2.232	3.205	3.3	20.0
2 11	9 26.99	+23 57.3	2.232	3.208	3.0	20.0
2 21	9 19.14	+25 5.8	2.262	3.212	5.8	20.2
3 2	9 12.20	+26 0.3	2.320	3.215	8.9	20.4
3 12	9 6.90	+26 38.8	2.404	3.218	11.7	20.6

345068 2005 JF_{27} 2 9.3 265°.83 4°.2/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.96	+26 22.6	2.532	3.323	11.6	21.3
1 12	9 50.65	+27 17.4	2.428	3.301	9.1	21.1
1 22	9 44.17	+28 14.9	2.348	3.280	6.5	20.9
2 1	9 35.96	+29 9.2	2.297	3.258	4.5	20.8
2 11	9 26.78	+29 54.4	2.275	3.236	4.7	20.7
2 21	9 17.54	+30 25.5	2.283	3.214	7.1	20.8
3 2	9 9.20	+30 40.1	2.318	3.191	9.9	21.0
3 12	9 2.60	+30 37.8	2.377	3.168	12.6	21.1

203599 2002 CB_{311} 2 9.3 308°.86 0°.0/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.52	+11 22.8	1.472	2.271	18.0	20.7
1 12	9 49.88	+11 56.8	1.383	2.262	14.3	20.4
1 22	9 44.26	+12 49.6	1.314	2.253	9.8	20.1
2 1	9 36.18	+13 57.1	1.269	2.245	4.6	19.8
2 11	9 26.73	+15 11.6	1.251	2.237	1.0	19.5
2 21	9 17.26	+16 24.1	1.259	2.229	6.5	19.8
3 2	9 9.23	+17 26.6	1.293	2.222	11.7	20.1
3 12	9 3.78	+18 13.6	1.349	2.215	16.2	20.4

1842 Hynek 2 9.3 233°.58 0°.8/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.91	+ 9 34.5	1.815	2.587	16.2	16.6
1 12	9 52.00	+10 3.7	1.713	2.576	12.9	16.4
1 22	9 45.43	+10 50.0	1.632	2.563	9.0	16.1
2 1	9 36.67	+11 50.4	1.577	2.550	4.4	15.8
2 11	9 26.63	+12 59.0	1.551	2.537	1.0	15.5
2 21	9 16.49	+14 8.8	1.553	2.523	5.6	15.8
3 2	9 7.50	+15 12.8	1.583	2.508	10.3	16.1
3 12	9 0.71	+16 5.8	1.638	2.493	14.4	16.3

53315 1999 JD_3 2 9.3 241°.61 0°.0/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.50	+10 41.5	2.211	2.981	13.7	18.9
1 12	9 48.84	+11 28.7	2.106	2.968	10.8	18.7
1 22	9 43.01	+12 30.6	2.024	2.956	7.4	18.4
2 1	9 35.46	+13 43.6	1.968	2.943	3.5	18.1
2 11	9 26.91	+15 2.0	1.943	2.930	0.7	17.9
2 21	9 18.30	+16 19.5	1.948	2.916	4.9	18.2
3 2	9 10.57	+17 30.0	1.982	2.902	8.9	18.4
3 12	9 4.58	+18 29.0	2.042	2.887	12.4	18.6

71515 2000 CL_{55} 2 9.3 45°.19 3°.0/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 50.23	+ 3 12.8	1.913	2.668	16.0	19.3
1 12	9 47.14	+ 3 30.7	1.832	2.677	13.0	19.1
1 22	9 41.85	+ 4 8.1	1.770	2.686	9.5	18.9
2 1	9 34.87	+ 5 3.4	1.734	2.696	5.7	18.7
2 11	9 27.07	+ 6 12.2	1.726	2.706	3.1	18.6
2 21	9 19.40	+ 7 28.1	1.746	2.716	5.0	18.7
3 2	9 12.84	+ 8 44.3	1.793	2.726	8.7	18.9
3 12	9 8.16	+ 9 54.6	1.867	2.736	12.2	19.2

442924 2013 CW_{48} 2 9.3 65°.70 1°.9/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.16	+ 8 32.8	1.305	2.092	20.5	21.3
1 12	9 54.82	+ 8 38.3	1.250	2.119	16.2	21.1
1 22	9 47.28	+ 9 3.6	1.214	2.146	11.2	20.9
2 1	9 37.40	+ 9 44.9	1.201	2.173	5.8	20.6
2 11	9 26.57	+10 35.7	1.214	2.199	1.9	20.5
2 21	9 16.31	+11 27.9	1.254	2.226	6.3	20.8
3 2	9 8.02	+12 14.8	1.320	2.252	11.2	21.2
3 12	9 2.61	+12 51.3	1.408	2.279	15.4	21.5

99863 Winnewisser 2 9.3 214°.01 1°.5/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.44	+17 19.1	2.274	3.058	12.9	20.7
1 12	9 49.41	+17 53.2	2.183	3.056	10.0	20.5
1 22	9 43.28	+18 35.1	2.115	3.054	6.7	20.3
2 1	9 35.52	+19 20.5	2.076	3.051	3.2	20.0
2 11	9 26.93	+20 4.0	2.065	3.048	2.0	19.9
2 21	9 18.42	+20 41.1	2.085	3.045	5.3	20.2
3 2	9 10.91	+21 8.2	2.132	3.042	8.8	20.4
3 12	9 5.16	+21 23.5	2.205	3.039	12.0	20.6

350232 2012 TZ_{33} 2 9.3 82.°80 2.°4/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 53.74	+20 34.2	2.388	3.176	12.3	20.6
1 12	9 49.42	+21 11.8	2.315	3.190	9.5	20.5
1 22	9 43.12	+21 53.9	2.265	3.204	6.3	20.3
2 1	9 35.38	+22 35.9	2.244	3.217	3.3	20.1
2 11	9 26.98	+23 12.7	2.253	3.231	2.8	20.1
2 21	9 18.79	+23 40.3	2.291	3.244	5.5	20.3
3 2	9 11.66	+23 56.4	2.357	3.258	8.6	20.5
3 12	9 6.23	+24 0.3	2.449	3.271	11.3	20.7

63192 2000 YZ_{107} 2 9.3 275.°54 2.°0/ 7.7 18

1 2	9 53.87	+17 51.7	1.998	2.791	14.2	19.5
1 12	9 50.06	+18 30.4	1.912	2.790	11.0	19.3
1 22	9 43.87	+19 17.7	1.848	2.788	7.4	19.1
2 1	9 35.84	+20 8.6	1.811	2.786	3.5	18.9
2 11	9 26.87	+20 56.8	1.803	2.785	2.4	18.8
2 21	9 18.00	+21 36.7	1.823	2.783	6.0	19.0
3 2	9 10.29	+22 4.3	1.871	2.782	9.8	19.2
3 12	9 4.59	+22 18.1	1.943	2.780	13.2	19.4

98135 2000 SO_{40} 2 9.3 40.°06 5.°2/ 5.9 18

1 2	9 56.05	+22 43.6	1.378	2.199	17.9	18.9
1 12	9 52.82	+23 54.5	1.313	2.205	14.0	18.7
1 22	9 46.26	+25 13.4	1.269	2.212	9.6	18.5
2 1	9 37.07	+26 30.2	1.249	2.219	5.9	18.3
2 11	9 26.62	+27 33.6	1.255	2.227	5.9	18.3
2 21	9 16.51	+28 15.6	1.287	2.235	9.5	18.5
3 2	9 8.28	+28 32.7	1.343	2.243	13.7	18.8
3 12	9 3.01	+28 25.8	1.419	2.252	17.5	19.0

349892 2009 DM_{134} 2 9.3 311.°22 0.°1/ 9.4 17

1 2	9 50.54	+12 26.7	2.232	3.010	13.3	21.2
1 12	9 47.24	+12 47.2	2.131	2.999	10.5	21.0
1 22	9 41.88	+13 18.6	2.053	2.988	7.1	20.8
2 1	9 34.91	+13 58.2	2.002	2.977	3.4	20.5
2 11	9 27.07	+14 41.5	1.980	2.966	0.7	20.3
2 21	9 19.23	+15 23.9	1.987	2.956	4.7	20.5
3 2	9 12.31	+16 1.0	2.022	2.945	8.5	20.8
3 12	9 7.06	+16 29.7	2.083	2.936	11.8	21.0

322478 2011 UH_{206} 2 9.3 157.°99 1.°5/ 8.2 18

1 2	9 58.22	+15 44.8	1.946	2.726	14.9	21.5
1 12	9 53.43	+16 30.1	1.863	2.734	11.6	21.2
1 22	9 46.13	+17 26.0	1.804	2.741	7.8	21.0
2 1	9 36.89	+18 27.4	1.772	2.747	3.6	20.8
2 11	9 26.67	+19 27.2	1.769	2.753	2.0	20.7
2 21	9 16.61	+20 19.3	1.796	2.757	5.9	20.9
3 2	9 7.82	+20 59.1	1.851	2.761	9.9	21.2
3 12	9 1.20	+21 24.5	1.930	2.765	13.4	21.4

267224 2001 FL_{4} 2 9.3 38.°66 3.°1/12.1 18

1 2	9 49.45	+ 1 48.9	1.831	2.584	16.7	20.0
1 12	9 46.67	+ 2 23.9	1.748	2.592	13.6	19.8
1 22	9 41.61	+ 3 21.8	1.686	2.600	9.9	19.6
2 1	9 34.80	+ 4 40.5	1.648	2.609	6.0	19.3
2 11	9 27.10	+ 6 14.5	1.638	2.618	3.1	19.2
2 21	9 19.53	+ 7 55.9	1.657	2.628	5.2	19.3
3 2	9 13.09	+ 9 36.4	1.704	2.637	9.0	19.6
3 12	9 8.59	+11 8.2	1.776	2.647	12.6	19.8

245082 2004 NY_{10} 2 9.3 236.°80 0.°2/ 9.1 18

1 2	9 53.85	+12 11.3	2.362	3.129	13.0	21.2
1 12	9 49.76	+12 48.5	2.253	3.115	10.3	21.0
1 22	9 43.58	+13 37.7	2.167	3.100	7.0	20.8
2 1	9 35.72	+14 35.6	2.109	3.084	3.2	20.5
2 11	9 26.91	+15 37.3	2.082	3.068	0.8	20.3
2 21	9 18.01	+16 37.3	2.084	3.051	4.7	20.5
3 2	9 9.96	+17 30.8	2.117	3.034	8.5	20.7
3 12	9 3.56	+18 14.2	2.175	3.016	11.9	20.9

296183 2009 BU_{156} 2 9.3 358.°96 0.°4/ 9.1 18

1 2	9 54.54	+14 25.2	1.329	2.140	19.0	20.4
1 12	9 51.67	+14 32.7	1.252	2.138	15.0	20.2
1 22	9 45.53	+14 53.9	1.194	2.137	10.2	19.9
2 1	9 36.79	+15 24.7	1.159	2.136	4.7	19.6
2 11	9 26.69	+15 58.2	1.150	2.136	1.2	19.3
2 21	9 16.80	+16 27.6	1.166	2.137	6.9	19.7
3 2	9 8.64	+16 47.4	1.207	2.138	12.1	20.0
3 12	9 3.36	+16 54.6	1.270	2.140	16.7	20.3

410266 2007 TU_{135} 2 9.3 209.°12 0.°6/ 9.8 17

1 2	9 56.46	+ 9 59.5	2.077	2.840	14.7	23.4
1 12	9 52.03	+10 29.6	1.976	2.833	11.7	23.2
1 22	9 45.22	+11 14.1	1.897	2.826	8.1	22.9
2 1	9 36.52	+12 10.1	1.845	2.818	3.9	22.6
2 11	9 26.75	+13 12.3	1.822	2.809	0.8	22.4
2 21	9 16.95	+14 14.7	1.830	2.799	5.0	22.7
3 2	9 8.18	+15 11.7	1.867	2.788	9.2	22.9
3 12	9 1.35	+15 58.9	1.929	2.777	12.9	23.1

223257 2003 FN_{85} 2 9.3 262.°44 3.°2/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 58.56	+22 33.0	2.044	2.835	13.9	20.7
1 12	9 53.85	+22 59.4	1.945	2.820	11.0	20.5
1 22	9 46.53	+23 29.8	1.868	2.806	7.5	20.2
2 1	9 37.15	+23 58.9	1.819	2.790	4.2	20.0
2 11	9 26.63	+24 20.7	1.799	2.775	3.6	19.9
2 21	9 16.14	+24 30.3	1.807	2.760	6.8	20.1
3 2	9 6.87	+24 25.4	1.843	2.744	10.6	20.3
3 12	8 59.77	+24 6.0	1.904	2.728	14.0	20.5

210558 1999 TW_{87} 2 9.3 160.°37 1.°1/ 8.4 18

1 2	9 56.94	+15 10.2	2.085	2.862	14.2	20.8
1 12	9 52.27	+15 50.4	2.000	2.869	11.0	20.6
1 22	9 45.27	+16 40.9	1.938	2.875	7.4	20.4
2 1	9 36.48	+17 36.8	1.904	2.880	3.4	20.1
2 11	9 26.79	+18 32.3	1.900	2.884	1.6	20.0
2 21	9 17.23	+19 21.6	1.925	2.888	5.5	20.3
3 2	9 8.84	+20 0.4	1.979	2.892	9.3	20.5
3 12	9 2.42	+20 26.6	2.059	2.894	12.6	20.7

29328 Hanshintigers 2 9.3 138.°71 1.°4/10.2 18

1 2	9 59.08	+ 9 18.2	1.866	2.629	16.1	18.9
1 12	9 54.07	+ 9 26.4	1.786	2.641	12.8	18.7
1 22	9 46.53	+ 9 48.7	1.727	2.653	8.9	18.5
2 1	9 37.07	+10 22.5	1.694	2.664	4.5	18.3
2 11	9 26.67	+11 3.3	1.689	2.675	1.4	18.1
2 21	9 16.50	+11 45.6	1.715	2.684	5.2	18.3
3 2	9 7.65	+12 24.4	1.769	2.693	9.4	18.6
3 12	9 1.01	+12 55.9	1.847	2.702	13.0	18.9

496272 2012 TW_{27} 2 9.3 118.°94 0.°7/ 8.6 17

1 2	9 53.04	+15 12.2	2.697	3.467	11.5	22.3
1 12	9 48.62	+15 40.2	2.616	3.481	8.9	22.1
1 22	9 42.48	+16 15.2	2.561	3.495	5.9	21.9
2 1	9 35.08	+16 54.0	2.533	3.508	2.7	21.7
2 11	9 27.10	+17 32.6	2.536	3.522	1.0	21.6
2 21	9 19.28	+18 7.2	2.570	3.534	4.2	21.9
3 2	9 12.32	+18 35.1	2.634	3.547	7.2	22.1
3 12	9 6.84	+18 54.3	2.723	3.559	9.9	22.3

229893 2009 UJ_{128} 2 9.3 107.°91 1.°9/10.8 18

1 2	9 53.74	+ 7 15.4	2.111	2.868	14.7	21.1
1 12	9 49.64	+ 7 24.6	2.028	2.879	11.7	20.9
1 22	9 43.42	+ 7 48.0	1.967	2.889	8.3	20.7
2 1	9 35.59	+ 8 23.6	1.933	2.900	4.5	20.5
2 11	9 27.00	+ 9 7.5	1.927	2.910	1.9	20.4
2 21	9 18.56	+ 9 55.0	1.951	2.921	4.6	20.6
3 2	9 11.19	+10 41.2	2.003	2.930	8.3	20.8
3 12	9 5.64	+11 21.9	2.081	2.940	11.6	21.0

402046 2003 SD_{281} 2 9.3 154.°68 0.°8/ 9.9 18

1 2	9 57.00	+10 0.2	2.092	2.853	14.6	22.4
1 12	9 52.24	+10 22.2	2.006	2.862	11.6	22.2
1 22	9 45.21	+10 57.3	1.942	2.870	8.0	22.0
2 1	9 36.45	+11 42.5	1.905	2.877	3.9	21.8
2 11	9 26.82	+12 33.0	1.898	2.884	0.9	21.5
2 21	9 17.33	+13 23.4	1.921	2.890	4.8	21.8
3 2	9 8.97	+14 9.0	1.973	2.895	8.7	22.1
3 12	9 2.54	+14 46.2	2.050	2.899	12.1	22.3

70225 1999 RG_{50} 2 9.3 172.°87 0.°9/10.0 18

1 2	9 57.33	+10 4.4	2.131	2.890	14.5	20.7
1 12	9 52.51	+10 19.0	2.039	2.894	11.5	20.5
1 22	9 45.41	+10 46.1	1.970	2.897	7.9	20.2
2 1	9 36.55	+11 23.0	1.927	2.899	4.0	20.0
2 11	9 26.80	+12 5.4	1.915	2.901	1.0	19.8
2 21	9 17.14	+12 48.6	1.932	2.902	4.8	20.1
3 2	9 8.57	+13 27.9	1.979	2.902	8.7	20.3
3 12	9 1.92	+13 59.9	2.052	2.901	12.1	20.5

436254 2010 BY_{94} 2 9.3 115.°62 8.°0/30.5 18

1 2	9 57.92	+41 7.7	2.696	3.474	11.3	21.1
1 12	9 53.06	+42 52.5	2.646	3.488	9.6	21.0
1 22	9 45.82	+44 29.6	2.622	3.501	8.4	20.9
2 1	9 36.75	+45 51.1	2.625	3.514	8.0	20.9
2 11	9 26.77	+46 50.6	2.655	3.527	8.7	20.9
2 21	9 16.95	+47 25.0	2.712	3.540	10.0	21.1
3 2	9 8.35	+47 34.1	2.792	3.552	11.6	21.2
3 12	9 1.80	+47 20.8	2.892	3.564	13.1	21.3

121949 2000 ET_{42} 2 9.3 315.°48 2.°6/10.9 18

1 2	9 51.68	+ 6 13.1	1.348	2.139	19.8	19.8
1 12	9 49.48	+ 6 25.9	1.260	2.130	16.1	19.5
1 22	9 44.17	+ 7 2.7	1.190	2.121	11.5	19.2
2 1	9 36.25	+ 8 2.1	1.142	2.112	6.4	18.9
2 11	9 26.84	+ 9 18.3	1.120	2.104	2.6	18.6
2 21	9 17.39	+10 42.2	1.123	2.096	6.5	18.9
3 2	9 9.43	+12 3.7	1.151	2.089	11.9	19.1
3 12	9 4.20	+13 14.3	1.202	2.082	16.7	19.4

304070 2006 FO_{49} 2 9.3 267°.37 13°.7/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	10 5.13	+46 8.4	1.708	2.494	16.5	20.5
1 12	10 1.13	+48 34.9	1.642	2.477	14.8	20.4
1 22	9 52.76	+50 51.5	1.598	2.459	13.8	20.3
2 1	9 40.51	+52 42.5	1.576	2.440	13.9	20.2
2 11	9 25.93	+53 54.2	1.578	2.422	15.1	20.2
2 21	9 11.27	+54 19.6	1.601	2.403	17.0	20.3
3 2	8 58.91	+53 59.7	1.642	2.383	19.1	20.4
3 12	8 50.59	+53 1.8	1.698	2.364	21.2	20.6

80085 1999 KS_{6} 2 9.3 210°.79 4°.9/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 50.13	− 5 54.6	3.147	3.817	11.9	20.1
1 12	9 46.24	− 6 6.8	3.035	3.810	10.2	20.0
1 22	9 40.88	− 6 3.9	2.945	3.803	8.3	19.8
2 1	9 34.38	− 5 45.2	2.880	3.796	6.3	19.7
2 11	9 27.27	− 5 11.4	2.844	3.788	5.0	19.6
2 21	9 20.15	− 4 24.7	2.837	3.779	5.2	19.6
3 2	9 13.62	− 3 28.7	2.859	3.770	6.8	19.7
3 12	9 8.24	− 2 27.6	2.909	3.761	8.9	19.8

323439 2004 GA_{49} 2 9.3 175°.65 1°.2/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.31	+16 18.6	2.064	2.846	14.1	21.7
1 12	9 51.85	+16 47.5	1.976	2.847	11.0	21.5
1 22	9 45.04	+17 25.3	1.911	2.848	7.4	21.3
2 1	9 36.41	+18 7.6	1.874	2.849	3.4	21.1
2 11	9 26.86	+18 48.9	1.865	2.850	1.7	20.9
2 21	9 17.43	+19 23.9	1.887	2.850	5.5	21.2
3 2	9 9.16	+19 49.1	1.936	2.850	9.4	21.4
3 12	9 2.89	+20 2.5	2.010	2.849	12.8	21.6

347903 2002 VC_{76} 2 9.3 56°.31 5°.0/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.60	+21 11.5	1.291	2.113	18.8	20.6
1 12	9 53.48	+22 30.7	1.227	2.120	14.6	20.4
1 22	9 46.85	+24 0.9	1.183	2.127	10.0	20.2
2 1	9 37.43	+25 31.1	1.163	2.135	5.9	19.9
2 11	9 26.65	+26 48.9	1.169	2.143	5.8	20.0
2 21	9 16.19	+27 44.5	1.201	2.151	9.8	20.2
3 2	9 7.72	+28 13.4	1.256	2.159	14.2	20.5
3 12	9 2.37	+28 16.4	1.331	2.167	18.2	20.7

289948 2005 NK_{50} 2 9.3 234°.35 2°.3/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.26	+ 6 30.6	2.505	3.251	12.9	21.3
1 12	9 48.24	+ 6 20.9	2.406	3.249	10.4	21.1
1 22	9 42.38	+ 6 22.6	2.330	3.246	7.5	20.9
2 1	9 35.12	+ 6 35.0	2.280	3.243	4.4	20.7
2 11	9 27.14	+ 6 55.7	2.260	3.241	2.3	20.6
2 21	9 19.20	+ 7 21.8	2.270	3.238	4.2	20.7
3 2	9 12.09	+ 7 49.9	2.308	3.235	7.4	20.9
3 12	9 6.48	+ 8 16.4	2.374	3.232	10.4	21.1

500269 2012 LN_{15} 2 9.3 320°.34 9°.3/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 48.45	− 6 28.9	1.574	2.301	20.0	20.4
1 12	9 46.65	− 7 24.3	1.468	2.277	17.6	20.1
1 22	9 42.15	− 7 55.0	1.378	2.254	14.6	19.9
2 1	9 35.32	− 7 55.3	1.309	2.232	11.6	19.6
2 11	9 27.05	− 7 23.0	1.263	2.210	9.6	19.5
2 21	9 18.52	− 6 20.1	1.241	2.189	9.8	19.4
3 2	9 11.09	− 4 53.3	1.243	2.168	12.4	19.5
3 12	9 5.93	− 3 13.2	1.267	2.149	15.9	19.6

337912 2001 XO_{125} 2 9.3 120°.00 3°.5/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.22	+ 1 38.2	2.599	3.323	13.0	20.9
1 12	9 47.30	+ 1 31.0	2.508	3.330	10.7	20.8
1 22	9 41.67	+ 1 37.9	2.438	3.338	8.0	20.6
2 1	9 34.76	+ 1 58.7	2.395	3.345	5.3	20.5
2 11	9 27.22	+ 2 31.1	2.381	3.352	3.5	20.3
2 21	9 19.77	+ 3 12.1	2.396	3.359	4.5	20.4
3 2	9 13.13	+ 3 57.6	2.441	3.366	7.1	20.6
3 12	9 7.90	+ 4 43.3	2.512	3.373	9.8	20.8

243609 1998 YY_{11} 2 9.3 59°.89 13°.7/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 6.96	−14 13.8	1.679	2.316	21.9	19.6
1 12	10 0.56	−16 56.1	1.619	2.343	19.7	19.5
1 22	9 51.10	−19 12.8	1.577	2.370	17.3	19.4
2 1	9 39.28	−20 54.7	1.556	2.397	15.3	19.3
2 11	9 26.29	−21 56.3	1.559	2.425	14.0	19.3
2 21	9 13.58	−22 16.8	1.585	2.452	13.8	19.3
3 2	9 2.55	−22 1.3	1.635	2.480	14.8	19.5
3 12	8 54.23	−21 19.7	1.706	2.507	16.3	19.6

136732 1995 UV_{60} 2 9.3 96°.49 4°.1/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.32	+26 18.2	2.408	3.201	12.0	20.3
1 12	9 50.77	+27 4.0	2.334	3.209	9.4	20.1
1 22	9 44.12	+27 50.7	2.285	3.218	6.6	19.9
2 1	9 35.91	+28 32.7	2.263	3.226	4.4	19.8
2 11	9 27.00	+29 4.6	2.271	3.235	4.5	19.8
2 21	9 18.29	+29 22.6	2.308	3.243	6.7	20.0
3 2	9 10.70	+29 25.1	2.372	3.252	9.4	20.2
3 12	9 4.92	+29 12.8	2.461	3.260	12.0	20.3

286046 2001 SQ_{220} 2 9.3 87°.45 0°.3/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 52.86	+13 21.5	2.397	3.169	12.7	21.6
1 12	9 48.68	+13 50.4	2.322	3.187	9.9	21.4
1 22	9 42.62	+14 28.4	2.271	3.205	6.6	21.2
2 1	9 35.20	+15 12.0	2.248	3.223	3.0	21.0
2 11	9 27.16	+15 56.9	2.254	3.240	0.8	20.8
2 21	9 19.31	+16 38.6	2.290	3.257	4.4	21.1
3 2	9 12.45	+17 13.7	2.356	3.274	7.7	21.4
3 12	9 7.19	+17 39.8	2.447	3.291	10.6	21.6

234892 2002 TC_{128} 2 9.3 204°.08 2°.8/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.43	+ 5 25.9	2.420	3.161	13.4	20.3
1 12	9 49.22	+ 5 12.6	2.321	3.159	10.9	20.1
1 22	9 43.09	+ 5 11.7	2.244	3.156	7.9	19.9
2 1	9 35.47	+ 5 22.5	2.194	3.154	4.8	19.7
2 11	9 27.09	+ 5 43.1	2.173	3.151	2.8	19.6
2 21	9 18.75	+ 6 10.2	2.182	3.149	4.5	19.7
3 2	9 11.28	+ 6 40.3	2.220	3.146	7.7	19.9
3 12	9 5.39	+ 7 9.6	2.284	3.143	10.7	20.1

51858 2001 OQ_{105} 2 9.3 218°.89 1°.2/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.78	+10 1.9	2.589	3.344	12.3	18.5
1 12	9 49.39	+ 9 59.5	2.487	3.338	9.8	18.3
1 22	9 43.14	+10 6.4	2.408	3.333	6.8	18.1
2 1	9 35.49	+10 21.1	2.357	3.327	3.6	17.9
2 11	9 27.09	+10 40.9	2.336	3.321	1.2	17.7
2 21	9 18.73	+11 2.8	2.345	3.314	4.0	17.9
3 2	9 11.19	+11 23.6	2.384	3.308	7.3	18.1
3 12	9 5.15	+11 40.7	2.449	3.301	10.3	18.3

345684 2006 UX_{141} 2 9.3 277°.04 2°.7/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.49	+18 42.2	1.325	2.137	19.0	21.4
1 12	9 55.75	+19 9.9	1.246	2.133	14.9	21.2
1 22	9 48.45	+19 48.5	1.187	2.130	10.1	20.9
2 1	9 38.25	+20 31.0	1.151	2.127	4.9	20.6
2 11	9 26.51	+21 8.5	1.141	2.124	3.3	20.4
2 21	9 14.95	+21 33.4	1.157	2.120	8.2	20.7
3 2	9 5.30	+21 41.2	1.198	2.117	13.3	21.0
3 12	8 58.80	+21 31.3	1.260	2.114	17.9	21.3

288849 2004 RN_{205} 2 9.3 146°.60 4°.2/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 1.64	+24 1.6	2.066	2.853	14.0	21.8
1 12	9 56.02	+25 4.3	1.994	2.866	10.9	21.7
1 22	9 47.83	+26 10.7	1.945	2.879	7.5	21.5
2 1	9 37.70	+27 13.4	1.924	2.890	4.7	21.3
2 11	9 26.65	+28 5.0	1.933	2.901	4.7	21.3
2 21	9 15.85	+28 40.2	1.972	2.910	7.4	21.5
3 2	9 6.45	+28 56.6	2.038	2.919	10.7	21.7
3 12	8 59.29	+28 55.0	2.128	2.927	13.6	22.0

110646 2001 TC_{169} 2 9.3 35°.78 8°.4/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 2.28	+35 24.4	1.808	2.606	15.2	19.5
1 12	9 57.25	+36 29.7	1.740	2.608	12.5	19.3
1 22	9 49.02	+37 29.6	1.695	2.609	9.9	19.2
2 1	9 38.34	+38 13.9	1.675	2.610	8.4	19.1
2 11	9 26.52	+38 34.2	1.681	2.612	8.9	19.1
2 21	9 15.11	+38 26.2	1.713	2.614	11.1	19.2
3 2	9 5.54	+37 50.7	1.770	2.615	13.8	19.4
3 12	8 58.83	+36 52.1	1.847	2.617	16.4	19.6

201491 2003 HG_{53} 2 9.3 305°.30 1°.5/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.70	+11 44.1	1.482	2.270	18.5	20.1
1 12	9 54.65	+11 23.4	1.395	2.266	14.8	19.8
1 22	9 47.45	+11 15.4	1.329	2.262	10.3	19.5
2 1	9 37.72	+11 18.2	1.286	2.259	5.2	19.2
2 11	9 26.63	+11 28.0	1.270	2.255	1.6	19.0
2 21	9 15.66	+11 40.0	1.281	2.252	6.3	19.3
3 2	9 6.29	+11 49.9	1.318	2.249	11.3	19.6
3 12	8 59.66	+11 54.1	1.378	2.246	15.8	19.8

33698 1999 KP_{12} 2 9.3 166°.35 5°.4/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.53	+29 43.3	2.390	3.180	12.2	19.3
1 12	9 53.43	+30 48.2	2.315	3.184	9.7	19.2
1 22	9 46.02	+31 52.6	2.263	3.188	7.2	19.0
2 1	9 36.86	+32 49.5	2.240	3.191	5.5	18.9
2 11	9 26.83	+33 32.4	2.246	3.194	5.9	18.9
2 21	9 16.97	+33 57.1	2.281	3.197	7.9	19.1
3 2	9 8.31	+34 2.0	2.343	3.199	10.5	19.2
3 12	9 1.62	+33 48.6	2.428	3.200	12.9	19.4

336484 2008 VH_{55} 2 9.3 170°.94 2°.4/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.62	+ 5 37.7	2.352	3.098	13.6	21.7
1 12	9 48.64	+ 5 41.2	2.257	3.099	11.0	21.5
1 22	9 42.72	+ 5 58.4	2.185	3.101	7.9	21.3
2 1	9 35.31	+ 6 28.0	2.139	3.102	4.6	21.1
2 11	9 27.14	+ 7 7.1	2.122	3.103	2.4	21.0
2 21	9 19.04	+ 7 51.7	2.135	3.104	4.4	21.1
3 2	9 11.84	+ 8 37.4	2.177	3.104	7.7	21.3
3 12	9 6.23	+ 9 19.9	2.245	3.104	10.8	21.5

459531 2013 FB_2 2 9.3 195°.05 1°.5/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 55.59	+14 45.0	1.867	2.653	15.3	21.7
1 12	9 51.64	+15 40.0	1.778	2.652	11.9	21.5
1 22	9 45.12	+16 48.3	1.711	2.650	8.0	21.2
2 1	9 36.55	+18 4.4	1.671	2.647	3.7	21.0
2 11	9 26.88	+19 20.8	1.661	2.645	2.0	20.9
2 21	9 17.25	+20 29.9	1.679	2.641	6.2	21.1
3 2	9 8.83	+21 25.8	1.725	2.637	10.4	21.4
3 12	9 2.58	+22 5.5	1.795	2.633	14.1	21.6

384129 2008 YZ_{65} 2 9.3 356°.76 2°.8/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 49.80	+18 20.1	1.838	2.644	14.7	20.3
1 12	9 47.17	+19 21.4	1.756	2.642	11.4	20.0
1 22	9 42.10	+20 33.0	1.696	2.640	7.6	19.8
2 1	9 35.13	+21 48.6	1.663	2.638	3.9	19.6
2 11	9 27.17	+23 0.3	1.658	2.637	3.3	19.5
2 21	9 19.31	+24 1.1	1.681	2.637	6.8	19.7
3 2	9 12.63	+24 45.8	1.730	2.638	10.7	20.0
3 12	9 8.02	+25 12.5	1.802	2.639	14.1	20.2

466336 2013 RK_{28} 2 9.3 99°.63 1°.3/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.32	+16 28.5	2.120	2.905	13.7	21.6
1 12	9 50.18	+17 1.5	2.040	2.913	10.6	21.4
1 22	9 43.84	+17 43.0	1.984	2.922	7.1	21.2
2 1	9 35.84	+18 28.4	1.955	2.930	3.3	21.0
2 11	9 27.05	+19 12.3	1.955	2.939	1.8	20.9
2 21	9 18.45	+19 49.8	1.984	2.947	5.3	21.2
3 2	9 10.97	+20 17.4	2.042	2.955	9.0	21.4
3 12	9 5.37	+20 33.1	2.124	2.963	12.2	21.6

83647 2001 SH_{346} 2 9.3 16°.39 1°.0/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.31	+13 4.0	2.054	2.826	14.5	18.7
1 12	9 52.53	+12 36.5	1.966	2.828	11.5	18.5
1 22	9 45.43	+12 16.6	1.900	2.831	7.9	18.3
2 1	9 36.59	+12 2.9	1.861	2.834	3.9	18.1
2 11	9 26.90	+11 52.7	1.851	2.837	1.1	17.9
2 21	9 17.40	+11 43.8	1.871	2.840	4.8	18.1
3 2	9 9.09	+11 33.7	1.919	2.844	8.7	18.4
3 12	9 2.76	+11 20.8	1.992	2.848	12.2	18.6

424371 2007 VU_{257} 2 9.3 51°.27 0°.3/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.13	+13 12.6	2.086	2.863	14.2	20.8
1 12	9 49.96	+13 15.9	2.009	2.876	11.1	20.6
1 22	9 43.64	+13 28.7	1.955	2.888	7.5	20.4
2 1	9 35.73	+13 48.0	1.927	2.901	3.5	20.2
2 11	9 27.09	+14 9.9	1.928	2.915	0.7	20.0
2 21	9 18.68	+14 30.5	1.959	2.928	4.7	20.3
3 2	9 11.42	+14 46.6	2.018	2.942	8.4	20.5
3 12	9 6.02	+14 55.8	2.101	2.955	11.7	20.8

271419 2004 CR_{114} 2 9.3 270°.67 9°.5/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.87	+36 7.5	1.754	2.558	15.3	20.3
1 12	9 55.79	+37 47.4	1.683	2.551	12.8	20.1
1 22	9 48.34	+39 23.5	1.634	2.544	10.5	20.0
2 1	9 38.17	+40 44.0	1.611	2.538	9.5	19.9
2 11	9 26.56	+41 38.1	1.613	2.531	10.3	19.9
2 21	9 15.12	+41 59.6	1.640	2.524	12.5	20.0
3 2	9 5.47	+41 48.1	1.690	2.517	15.2	20.2
3 12	8 58.77	+41 7.7	1.759	2.510	17.8	20.4

319710 2006 UJ_{38} 2 9.3 188°.19 1°.1/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.98	+15 26.7	1.923	2.708	14.9	21.8
1 12	9 51.81	+15 57.8	1.835	2.708	11.7	21.6
1 22	9 45.14	+16 39.4	1.770	2.707	7.8	21.4
2 1	9 36.53	+17 26.9	1.731	2.707	3.6	21.1
2 11	9 26.91	+18 14.4	1.721	2.706	1.6	20.9
2 21	9 17.39	+18 56.1	1.740	2.704	5.7	21.2
3 2	9 9.09	+19 27.5	1.786	2.703	9.9	21.5
3 12	9 2.91	+19 46.3	1.857	2.701	13.5	21.7

503085 2015 FE_{290} 2 9.3 329°.92 4°.4/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 48.63	− 1 3.0	2.169	2.897	15.1	21.1
1 12	9 45.79	− 0 57.7	2.069	2.891	12.6	20.9
1 22	9 40.95	− 0 32.5	1.989	2.886	9.7	20.7
2 1	9 34.55	+ 0 12.7	1.934	2.881	6.6	20.5
2 11	9 27.31	+ 1 15.3	1.907	2.876	4.5	20.4
2 21	9 20.07	+ 2 30.6	1.907	2.871	5.4	20.4
3 2	9 13.71	+ 3 52.3	1.936	2.867	8.3	20.6
3 12	9 8.98	+ 5 13.5	1.991	2.863	11.5	20.8

173921 2001 VZ_{58} 2 9.3 155°.14 3°.9/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.67	+ 0 10.9	2.692	3.404	12.8	20.6
1 12	9 47.63	− 0 4.7	2.595	3.408	10.7	20.4
1 22	9 41.90	− 0 6.2	2.521	3.412	8.2	20.2
2 1	9 34.90	+ 0 6.4	2.472	3.415	5.6	20.1
2 11	9 27.26	+ 0 31.7	2.453	3.418	4.0	20.0
2 21	9 19.67	+ 1 6.8	2.463	3.421	4.8	20.0
3 2	9 12.85	+ 1 48.2	2.502	3.424	7.1	20.2
3 12	9 7.41	+ 2 31.6	2.568	3.427	9.7	20.4

285237 1997 TT_{19} 2 9.3 46°.07 2°.0/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 54.35	+18 57.0	2.063	2.855	13.8	21.0
1 12	9 50.30	+19 24.6	1.983	2.860	10.7	20.8
1 22	9 43.97	+19 58.7	1.926	2.865	7.2	20.6
2 1	9 35.93	+20 34.5	1.896	2.871	3.5	20.4
2 11	9 27.05	+21 6.6	1.895	2.877	2.4	20.3
2 21	9 18.37	+21 30.5	1.923	2.882	5.8	20.6
3 2	9 10.87	+21 43.3	1.978	2.888	9.4	20.8
3 12	9 5.33	+21 43.9	2.058	2.894	12.6	21.0

325783 2010 PA_{10} 2 9.3 194°.00 0°.2/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 11.16	+17 21.2	1.327	2.115	20.2	20.6
1 12	10 4.89	+16 44.9	1.242	2.114	16.1	20.4
1 22	9 54.63	+16 14.4	1.177	2.113	11.1	20.1
2 1	9 41.14	+15 45.9	1.136	2.111	5.2	19.7
2 11	9 25.97	+15 15.2	1.122	2.109	1.1	19.4
2 21	9 11.12	+14 39.5	1.137	2.106	7.4	19.8
3 2	8 58.49	+13 58.2	1.178	2.102	13.1	20.1
3 12	8 49.43	+13 11.9	1.242	2.098	18.0	20.4

289876 2005 MJ_{23} 2 9.3 159°.72 4°.0/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.45	+27 16.5	3.025	3.811	10.0	21.3
1 12	9 49.00	+28 25.2	2.946	3.817	7.8	21.1
1 22	9 42.82	+29 34.8	2.894	3.822	5.6	21.0
2 1	9 35.33	+30 40.2	2.871	3.828	4.1	20.9
2 11	9 27.18	+31 36.2	2.879	3.832	4.4	20.9
2 21	9 19.11	+32 19.1	2.917	3.837	6.2	21.0
3 2	9 11.85	+32 46.7	2.983	3.841	8.4	21.2
3 12	9 6.02	+32 59.2	3.074	3.844	10.5	21.3

245055 2004 FS_{98} 2 9.3 35°.14 2°.7/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.80	+20 32.0	1.975	2.773	14.1	20.1
1 12	9 49.97	+21 6.3	1.901	2.782	10.9	19.9
1 22	9 43.78	+21 46.2	1.850	2.790	7.3	19.7
2 1	9 35.84	+22 26.3	1.826	2.800	3.8	19.5
2 11	9 27.08	+23 0.6	1.830	2.809	3.1	19.5
2 21	9 18.56	+23 24.6	1.863	2.819	6.3	19.7
3 2	9 11.30	+23 35.3	1.922	2.829	9.8	19.9
3 12	9 6.07	+23 32.3	2.006	2.840	13.0	20.1

82001 2000 QF_{219} 2 9.3 188°.13 0°.5/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.43	+14 53.6	2.796	3.565	11.1	20.7
1 12	9 48.22	+15 18.9	2.700	3.564	8.7	20.5
1 22	9 42.30	+15 51.4	2.629	3.563	5.8	20.3
2 1	9 35.10	+16 28.1	2.587	3.562	2.7	20.1
2 11	9 27.24	+17 5.4	2.575	3.560	0.9	20.0
2 21	9 19.44	+17 39.6	2.593	3.558	4.1	20.2
3 2	9 12.43	+18 7.8	2.642	3.556	7.2	20.4
3 12	9 6.80	+18 27.9	2.717	3.553	9.9	20.6

410495 2008 DR_{87} 2 9.3 115°.91 1°.8/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.06	+17 54.6	1.952	2.738	14.7	21.3
1 12	9 53.25	+18 23.9	1.877	2.750	11.4	21.1
1 22	9 45.97	+19 0.8	1.824	2.762	7.6	20.9
2 1	9 36.86	+19 40.2	1.799	2.774	3.6	20.6
2 11	9 26.89	+20 16.2	1.802	2.785	2.2	20.6
2 21	9 17.18	+20 43.9	1.835	2.796	5.9	20.8
3 2	9 8.81	+21 0.1	1.896	2.807	9.7	21.1
3 12	9 2.58	+21 3.9	1.981	2.817	13.0	21.3

102256 1999 TP_{30} 2 9.3 90°.83 0°.0/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.78	+12 35.7	1.727	2.506	16.6	20.5
1 12	9 53.94	+12 57.3	1.661	2.529	13.0	20.3
1 22	9 46.48	+13 31.5	1.617	2.551	8.7	20.1
2 1	9 37.08	+14 13.9	1.599	2.573	4.0	19.8
2 11	9 26.85	+14 58.7	1.609	2.595	0.8	19.6
2 21	9 17.00	+15 39.9	1.648	2.616	5.5	20.0
3 2	9 8.66	+16 13.0	1.714	2.637	9.8	20.3
3 12	9 2.66	+16 35.3	1.805	2.657	13.4	20.6

148390 2000 TU_{37} 2 9.3 180°.27 0°.1/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.27	+11 1.6	2.345	3.110	13.1	20.3
1 12	9 49.24	+11 53.9	2.251	3.111	10.3	20.1
1 22	9 43.19	+12 59.3	2.180	3.112	7.0	19.9
2 1	9 35.58	+14 13.9	2.138	3.112	3.2	19.6
2 11	9 27.15	+15 32.3	2.125	3.112	0.7	19.4
2 21	9 18.74	+16 48.2	2.144	3.111	4.6	19.7
3 2	9 11.23	+17 56.4	2.193	3.110	8.3	19.9
3 12	9 5.38	+18 53.1	2.267	3.108	11.5	20.1

402685 2006 VH_2 2 9.3 99°.57 3°.2/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.15	+21 9.9	2.047	2.832	14.1	22.0
1 12	9 54.65	+22 6.2	1.988	2.861	10.9	21.9
1 22	9 46.76	+23 7.3	1.952	2.889	7.3	21.7
2 1	9 37.16	+24 6.6	1.945	2.916	4.0	21.5
2 11	9 26.85	+24 57.3	1.967	2.942	3.6	21.6
2 21	9 16.93	+25 34.6	2.019	2.968	6.5	21.8
3 2	9 8.41	+25 56.0	2.099	2.993	9.8	22.0
3 12	9 2.04	+26 1.7	2.204	3.017	12.7	22.3

264115 2009 SR_{354} 2 9.3 355.°22 2.°3/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 49.59	+21 39.0	2.946	3.734	10.2	20.7
1 12	9 46.00	+22 17.8	2.858	3.733	7.9	20.5
1 22	9 40.80	+23 0.0	2.795	3.732	5.3	20.3
2 1	9 34.40	+23 42.0	2.760	3.732	2.9	20.2
2 11	9 27.40	+24 19.5	2.756	3.731	2.7	20.1
2 21	9 20.49	+24 49.2	2.782	3.731	4.9	20.3
3 2	9 14.32	+25 8.9	2.836	3.731	7.5	20.5
3 12	9 9.47	+25 17.4	2.916	3.731	9.9	20.6

186895 2004 KK_3 2 9.3 247.°84 0.°7/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.10	+14 38.5	2.011	2.793	14.5	21.1
1 12	9 51.12	+15 5.2	1.912	2.783	11.4	20.8
1 22	9 44.72	+15 42.7	1.835	2.772	7.7	20.6
2 1	9 36.39	+16 27.2	1.785	2.761	3.5	20.3
2 11	9 26.98	+17 13.1	1.764	2.750	1.2	20.1
2 21	9 17.56	+17 55.0	1.772	2.738	5.5	20.4
3 2	9 9.23	+18 28.3	1.808	2.726	9.6	20.6
3 12	9 2.89	+18 50.1	1.869	2.714	13.3	20.8

11876 Doncarpenter 2 9.3 171.°01 2.°9/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.19	+ 4 50.6	2.052	2.797	15.4	18.8
1 12	9 51.73	+ 4 49.6	1.960	2.800	12.5	18.6
1 22	9 44.98	+ 5 4.6	1.889	2.803	9.1	18.4
2 1	9 36.45	+ 5 34.5	1.844	2.805	5.4	18.2
2 11	9 26.99	+ 6 16.2	1.827	2.807	2.9	18.1
2 21	9 17.61	+ 7 4.9	1.840	2.808	5.1	18.2
3 2	9 9.32	+ 7 55.4	1.881	2.809	8.7	18.4
3 12	9 2.94	+ 8 42.6	1.949	2.809	12.2	18.6

254675 2005 LK_{46} 2 9.3 227.°19 1.°4/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.73	+15 16.7	1.970	2.756	14.6	21.0
1 12	9 50.88	+16 0.9	1.876	2.750	11.4	20.8
1 22	9 44.58	+16 56.8	1.805	2.743	7.7	20.5
2 1	9 36.33	+17 59.6	1.760	2.736	3.5	20.3
2 11	9 27.01	+19 2.7	1.744	2.729	1.8	20.1
2 21	9 17.70	+19 59.6	1.758	2.721	5.9	20.4
3 2	9 9.52	+20 45.0	1.799	2.713	10.0	20.6
3 12	9 3.37	+21 16.2	1.865	2.705	13.6	20.8

483696 2005 RR_9 2 9.3 186.°55 9.°7/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 12.94	+50 14.2	2.810	3.542	11.9	22.0
1 12	10 5.09	+51 35.1	2.751	3.542	10.7	21.9
1 22	9 54.09	+52 43.3	2.715	3.541	9.9	21.9
2 1	9 40.68	+53 30.0	2.704	3.539	9.7	21.8
2 11	9 26.16	+53 48.8	2.719	3.536	10.2	21.9
2 21	9 12.04	+53 37.6	2.759	3.533	11.3	21.9
3 2	8 59.74	+52 57.9	2.821	3.528	12.6	22.0
3 12	8 50.28	+51 54.9	2.903	3.523	13.9	22.1

303452 2005 BL_{14} 2 9.3 343.°46 3.°7/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.42	+21 4.6	1.378	2.196	18.1	20.7
1 12	9 53.26	+21 37.1	1.300	2.191	14.2	20.5
1 22	9 46.72	+22 17.8	1.242	2.186	9.7	20.2
2 1	9 37.47	+22 59.1	1.208	2.182	5.1	19.9
2 11	9 26.80	+23 32.3	1.199	2.178	4.2	19.9
2 21	9 16.34	+23 50.2	1.216	2.176	8.5	20.1
3 2	9 7.67	+23 49.4	1.258	2.173	13.2	20.4
3 12	9 1.98	+23 30.0	1.320	2.172	17.4	20.6

81823 2000 KP_{40} 2 9.3 104.°62 7.°7/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.11	− 7 6.8	1.955	2.647	17.7	19.5
1 12	9 50.20	− 7 49.9	1.872	2.657	15.2	19.3
1 22	9 43.99	− 8 10.5	1.806	2.667	12.5	19.2
2 1	9 36.00	− 8 5.7	1.763	2.677	9.8	19.0
2 11	9 27.12	− 7 35.8	1.746	2.686	7.9	18.9
2 21	9 18.34	− 6 44.1	1.755	2.695	8.1	18.9
3 2	9 10.69	− 5 36.5	1.791	2.704	10.0	19.1
3 12	9 4.98	− 4 20.9	1.852	2.713	12.7	19.3

105871 2000 SK_{174} 2 9.3 239.°92 6.°4/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.39	− 8 55.2	2.910	3.562	13.1	20.4
1 12	9 47.46	− 9 32.0	2.795	3.550	11.5	20.3
1 22	9 41.86	− 9 52.7	2.700	3.537	9.6	20.1
2 1	9 34.96	− 9 55.3	2.630	3.524	7.8	20.0
2 11	9 27.34	− 9 39.4	2.586	3.510	6.6	19.9
2 21	9 19.64	− 9 6.4	2.571	3.496	6.7	19.9
3 2	9 12.57	− 8 19.5	2.584	3.482	8.0	19.9
3 12	9 6.75	− 7 23.4	2.623	3.468	10.0	20.0

7089 1992 FX_1 2 9.3 292.°28 3.°6/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.96	+ 3 52.6	1.510	2.282	18.9	17.2
1 12	9 49.51	+ 3 57.5	1.409	2.265	15.5	17.0
1 22	9 44.15	+ 4 26.1	1.327	2.249	11.4	16.7
2 1	9 36.34	+ 5 18.4	1.268	2.232	6.9	16.4
2 11	9 27.03	+ 6 30.4	1.234	2.215	3.6	16.1
2 21	9 17.53	+ 7 54.6	1.227	2.199	6.4	16.2
3 2	9 9.28	+ 9 21.8	1.246	2.182	11.3	16.5
3 12	9 3.50	+10 42.6	1.288	2.166	16.0	16.7

378682 2008 JD_4 2 9.3 216.°75 4.°2/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 53.11	− 1 16.0	2.579	3.284	13.5	22.7
1 12	9 48.97	− 1 17.2	2.468	3.275	11.3	22.5
1 22	9 42.97	− 1 1.8	2.377	3.265	8.8	22.3
2 1	9 35.51	− 0 29.7	2.313	3.254	6.1	22.2
2 11	9 27.23	+ 0 17.7	2.277	3.243	4.3	22.0
2 21	9 18.90	+ 1 16.6	2.272	3.231	5.1	22.1
3 2	9 11.31	+ 2 22.5	2.296	3.218	7.6	22.2
3 12	9 5.16	+ 3 29.8	2.347	3.205	10.5	22.3

182621 2001 UO_{101} 2 9.3 137.°82 0.°1/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.42	+12 57.7	2.742	3.506	11.5	21.6
1 12	9 48.18	+13 24.3	2.655	3.516	8.9	21.5
1 22	9 42.26	+13 59.4	2.593	3.525	6.0	21.3
2 1	9 35.10	+14 39.9	2.559	3.533	2.8	21.1
2 11	9 27.33	+15 22.1	2.556	3.542	0.6	20.9
2 21	9 19.67	+16 2.2	2.583	3.550	3.9	21.2
3 2	9 12.83	+16 37.1	2.640	3.558	7.0	21.4
3 12	9 7.39	+17 4.3	2.724	3.565	9.7	21.6

283225 2010 QX_2 2 9.3 214.°36 1.°6/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.82	+16 54.3	2.057	2.838	14.2	21.8
1 12	9 53.20	+17 27.5	1.960	2.831	11.1	21.6
1 22	9 46.11	+18 9.8	1.887	2.823	7.5	21.4
2 1	9 37.05	+18 56.5	1.840	2.815	3.5	21.1
2 11	9 26.92	+19 41.8	1.823	2.806	2.0	21.0
2 21	9 16.81	+20 20.0	1.835	2.797	5.8	21.2
3 2	9 7.83	+20 47.2	1.876	2.787	9.8	21.4
3 12	9 0.90	+21 1.3	1.942	2.776	13.3	21.6

284472 2007 HC_{39} 2 9.3 31.°79 1.°0/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.04	+ 9 36.4	1.311	2.111	19.8	21.0
1 12	9 51.29	+ 9 57.2	1.237	2.114	15.8	20.7
1 22	9 45.33	+10 38.8	1.181	2.118	10.9	20.5
2 1	9 36.81	+11 37.3	1.149	2.123	5.4	20.2
2 11	9 26.97	+12 45.2	1.141	2.128	1.2	19.9
2 21	9 17.33	+13 53.3	1.160	2.133	6.5	20.3
3 2	9 9.39	+14 53.4	1.204	2.138	11.9	20.6
3 12	9 4.27	+15 39.6	1.270	2.144	16.5	20.9

191935 2005 UY_2 2 9.3 223.°49 2.°2/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.70	+ 5 30.6	2.076	2.819	15.3	21.4
1 12	9 53.14	+ 5 51.4	1.964	2.805	12.4	21.1
1 22	9 46.13	+ 6 29.7	1.874	2.791	9.0	20.9
2 1	9 37.11	+ 7 24.2	1.810	2.775	5.0	20.6
2 11	9 26.90	+ 8 30.7	1.775	2.758	2.2	20.4
2 21	9 16.53	+ 9 43.4	1.771	2.740	5.1	20.6
3 2	9 7.12	+10 55.7	1.796	2.721	9.2	20.8
3 12	8 59.63	+12 1.6	1.848	2.701	13.1	21.0

88510 2001 QB_{150} 2 9.3 124.°99 2.°6/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.71	+19 35.5	2.066	2.854	13.9	20.0
1 12	9 52.15	+20 26.2	1.991	2.866	10.8	19.9
1 22	9 45.24	+21 23.8	1.939	2.878	7.2	19.7
2 1	9 36.57	+22 22.3	1.915	2.889	3.7	19.5
2 11	9 27.04	+23 15.3	1.921	2.899	3.1	19.4
2 21	9 17.73	+23 57.2	1.956	2.910	6.3	19.7
3 2	9 9.65	+24 24.7	2.019	2.920	9.8	19.9
3 12	9 3.60	+24 37.0	2.106	2.929	12.9	20.1

62410 2000 SN_{178} 2 9.3 190.°64 7.°3/15.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.14	− 9 33.7	2.450	3.109	15.2	19.8
1 12	9 49.08	−10 9.4	2.349	3.108	13.3	19.7
1 22	9 43.08	−10 25.3	2.267	3.106	11.1	19.5
2 1	9 35.57	−10 19.0	2.208	3.104	9.0	19.4
2 11	9 27.24	− 9 50.3	2.176	3.102	7.5	19.3
2 21	9 18.89	− 9 1.2	2.170	3.099	7.5	19.3
3 2	9 11.38	− 7 56.5	2.193	3.095	9.0	19.4
3 12	9 5.41	− 6 42.3	2.242	3.092	11.2	19.5

58483 1996 TB_2 2 9.3 188.°28 0.°7/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.87	+10 7.1	2.115	2.883	14.3	20.0
1 12	9 49.93	+10 30.9	2.023	2.882	11.3	19.8
1 22	9 43.78	+11 7.9	1.952	2.882	7.8	19.6
2 1	9 35.92	+11 55.4	1.908	2.881	3.8	19.4
2 11	9 27.17	+12 48.6	1.893	2.880	0.9	19.1
2 21	9 18.47	+13 42.1	1.908	2.878	4.7	19.4
3 2	9 10.80	+14 30.9	1.952	2.876	8.7	19.6
3 12	9 4.96	+15 11.2	2.021	2.874	12.1	19.8

437932 2002 PG_{160} 2 9.3 96.°33 1.°7/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 1.86	+16 10.9	1.448	2.243	18.5	21.8
1 12	9 56.92	+16 44.7	1.386	2.264	14.4	21.6
1 22	9 48.79	+17 30.4	1.344	2.284	9.6	21.4
2 1	9 38.28	+18 21.2	1.328	2.304	4.4	21.1
2 11	9 26.72	+19 8.9	1.339	2.323	2.2	21.0
2 21	9 15.66	+19 46.6	1.377	2.342	6.9	21.4
3 2	9 6.49	+20 10.0	1.442	2.360	11.6	21.7
3 12	9 0.18	+20 18.1	1.530	2.378	15.6	22.0

94689 2001 XQ_{27} 2 9.3 47°.91 4°.0/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	10 2.15	+21 52.7	1.176	1.997	20.4	19.2
1 12	9 57.67	+22 20.6	1.129	2.020	15.8	19.0
1 22	9 49.47	+22 54.6	1.101	2.045	10.6	18.7
2 1	9 38.58	+23 25.7	1.096	2.070	5.6	18.5
2 11	9 26.70	+23 44.9	1.117	2.096	4.5	18.5
2 21	9 15.66	+23 47.0	1.163	2.122	8.7	18.9
3 2	9 7.04	+23 30.7	1.233	2.149	13.3	19.2
3 12	9 1.77	+22 58.4	1.324	2.176	17.3	19.5

401001 2011 QO_{17} 2 9.3 137°.25 0°.8/ 9.9 18

1 2	9 56.36	+ 9 8.5	1.745	2.517	16.7	21.8
1 12	9 52.26	+ 9 42.5	1.664	2.526	13.2	21.6
1 22	9 45.54	+10 33.8	1.604	2.535	9.1	21.4
2 1	9 36.79	+11 38.5	1.570	2.543	4.5	21.1
2 11	9 27.01	+12 50.3	1.565	2.551	1.0	20.9
2 21	9 17.39	+14 1.5	1.588	2.558	5.4	21.2
3 2	9 9.11	+15 5.5	1.639	2.565	9.9	21.5
3 12	9 3.07	+15 57.6	1.715	2.571	13.8	21.7

462848 2010 UO_{37} 2 9.3 55°.47 6°.2/13.9 18

1 2	9 54.39	− 2 13.8	1.584	2.321	19.5	21.0
1 12	9 50.70	− 2 37.0	1.522	2.346	16.3	20.8
1 22	9 44.41	− 2 35.3	1.478	2.372	12.6	20.7
2 1	9 36.20	− 2 7.9	1.456	2.398	8.9	20.5
2 11	9 27.15	− 1 17.7	1.459	2.424	6.4	20.4
2 21	9 18.45	− 0 11.0	1.490	2.450	7.1	20.5
3 2	9 11.23	+ 1 4.1	1.546	2.476	10.1	20.8
3 12	9 6.30	+ 2 19.2	1.627	2.502	13.4	21.0

496716 2016 FB_{21} 2 9.3 37°.08 3°.9/ 6.5 18

1 2	9 54.65	+22 1.8	1.738	2.545	15.3	21.2
1 12	9 51.08	+22 57.9	1.666	2.551	11.9	21.0
1 22	9 44.81	+24 0.4	1.616	2.557	8.1	20.7
2 1	9 36.45	+25 1.9	1.592	2.564	4.7	20.6
2 11	9 27.09	+25 54.4	1.596	2.570	4.5	20.6
2 21	9 17.96	+26 31.5	1.628	2.577	7.7	20.8
3 2	9 10.27	+26 49.9	1.685	2.585	11.4	21.0
3 12	9 4.94	+26 49.7	1.765	2.592	14.8	21.2

416842 2005 LD_{10} 2 9.3 158°.58 8°.9/18.6 18

1 2	9 55.49	−17 15.1	2.705	3.294	15.2	22.0
1 12	9 50.70	−18 2.6	2.612	3.303	13.7	21.9
1 22	9 44.06	−18 29.1	2.536	3.312	12.0	21.7
2 1	9 35.99	−18 31.2	2.481	3.319	10.4	21.6
2 11	9 27.18	−18 7.8	2.452	3.326	9.2	21.6
2 21	9 18.40	−17 20.3	2.449	3.332	8.9	21.6
3 2	9 10.46	−16 12.9	2.472	3.338	9.7	21.6
3 12	9 4.02	−14 51.8	2.522	3.342	11.1	21.7

333191 2012 FD_{59} 2 9.3 244°.18 1°.8/ 7.9 17

1 2	9 56.26	+17 53.4	2.186	2.968	13.4	21.7
1 12	9 51.91	+18 27.0	2.082	2.954	10.5	21.5
1 22	9 45.22	+19 8.7	2.002	2.939	7.1	21.3
2 1	9 36.65	+19 54.0	1.949	2.924	3.4	21.0
2 11	9 27.03	+20 37.2	1.926	2.909	2.2	20.9
2 21	9 17.37	+21 13.3	1.933	2.893	5.8	21.1
3 2	9 8.72	+21 38.2	1.968	2.876	9.6	21.3
3 12	9 1.96	+21 50.2	2.027	2.859	13.0	21.5

432172 2009 CF_{9} 2 9.3 175°.31 1°.5/10.6 17

1 2	9 53.82	+ 9 10.4	2.625	3.375	12.3	21.5
1 12	9 49.37	+ 9 5.9	2.528	3.376	9.8	21.3
1 22	9 43.13	+ 9 11.0	2.456	3.377	6.9	21.1
2 1	9 35.55	+ 9 24.3	2.410	3.378	3.7	20.9
2 11	9 27.28	+ 9 43.2	2.395	3.379	1.5	20.7
2 21	9 19.09	+10 4.9	2.410	3.379	3.9	20.9
3 2	9 11.72	+10 26.1	2.455	3.379	7.1	21.1
3 12	9 5.83	+10 44.3	2.526	3.379	10.0	21.3

568 Cheruskia 2 9.3 62°.25 9°.6/17.1 18

1 2	9 54.24	−11 40.1	2.017	2.677	18.0	14.1
1 12	9 50.22	−12 52.6	1.942	2.693	15.9	14.0
1 22	9 43.96	−13 41.8	1.884	2.710	13.6	13.8
2 1	9 35.99	−14 3.6	1.848	2.727	11.4	13.7
2 11	9 27.19	−13 56.7	1.836	2.745	9.8	13.7
2 21	9 18.53	−13 23.4	1.849	2.762	9.7	13.7
3 2	9 11.01	−12 28.6	1.888	2.779	10.9	13.8
3 12	9 5.39	−11 20.1	1.950	2.796	12.8	13.9

245237 2004 XW_{132} 2 9.3 180°.57 10°.0/16.2 18

1 2	9 59.75	−12 38.6	2.174	2.808	17.5	20.6
1 12	9 54.56	−14 1.1	2.078	2.810	15.6	20.5
1 22	9 46.98	−15 3.1	2.000	2.811	13.5	20.3
2 1	9 37.47	−15 39.5	1.945	2.811	11.5	20.2
2 11	9 26.87	−15 47.5	1.914	2.811	10.2	20.1
2 21	9 16.21	−15 27.5	1.909	2.809	10.1	20.1
3 2	9 6.57	−14 43.5	1.931	2.807	11.4	20.2
3 12	8 58.85	−13 42.5	1.977	2.804	13.4	20.3

28906 2000 MP_{2} 2 9.3 355°.74 2°.0/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 56.75	+ 9 41.8	1.812	2.582	16.2	18.3
1 12	9 52.51	+ 9 21.2	1.722	2.582	13.0	18.1
1 22	9 45.69	+ 9 12.8	1.654	2.581	9.2	17.9
2 1	9 36.87	+ 9 15.3	1.612	2.581	4.9	17.6
2 11	9 27.01	+ 9 25.9	1.597	2.581	2.0	17.4
2 21	9 17.26	+ 9 40.8	1.611	2.581	5.3	17.6
3 2	9 8.80	+ 9 55.9	1.652	2.581	9.6	17.9
3 12	9 2.52	+10 7.7	1.718	2.581	13.4	18.1

372428 2009 ST_{36} 2 9.3 213°.66 1°.1/ 8.4 17

1 2	9 56.55	+16 23.9	2.360	3.134	12.8	22.7
1 12	9 51.86	+16 50.3	2.260	3.127	10.0	22.5
1 22	9 45.02	+17 24.7	2.184	3.119	6.7	22.3
2 1	9 36.50	+18 3.0	2.135	3.110	3.1	22.0
2 11	9 27.08	+18 40.6	2.117	3.101	1.5	21.9
2 21	9 17.68	+19 13.0	2.129	3.092	5.0	22.1
3 2	9 9.24	+19 36.9	2.170	3.081	8.6	22.3
3 12	9 2.55	+19 50.2	2.237	3.071	11.8	22.5

503696 2016 JB_{7} 2 9.3 314°.04 7°.3/ 3.4 17

1 2	9 53.71	+28 56.3	1.680	2.497	15.3	21.2
1 12	9 50.98	+30 28.1	1.593	2.479	12.3	20.9
1 22	9 45.18	+32 4.2	1.529	2.462	9.3	20.7
2 1	9 36.82	+33 34.1	1.491	2.444	7.4	20.5
2 11	9 26.99	+34 46.6	1.478	2.427	8.2	20.5
2 21	9 17.10	+35 33.5	1.492	2.411	11.0	20.7
3 2	9 8.66	+35 51.0	1.529	2.395	14.5	20.8
3 12	9 2.88	+35 40.4	1.586	2.379	17.7	21.0

260568 2005 EW_{258} 2 9.3 265°.65 0°.2/ 9.5 17

1 2	9 55.95	+12 23.8	1.832	2.612	15.7	22.0
1 12	9 52.13	+12 38.1	1.727	2.595	12.5	21.7
1 22	9 45.64	+13 5.5	1.643	2.577	8.6	21.4
2 1	9 36.95	+13 43.1	1.585	2.560	4.1	21.1
2 11	9 26.97	+14 25.6	1.555	2.542	0.8	20.8
2 21	9 16.87	+15 7.3	1.554	2.523	5.7	21.1
3 2	9 7.91	+15 42.9	1.580	2.505	10.3	21.3
3 12	9 1.13	+16 8.5	1.631	2.486	14.4	21.6

421857 2014 QZ_{137} 2 9.3 285°.23 2°.8/ 7.7 18

1 2	9 58.14	+19 49.6	1.611	2.413	16.6	21.3
1 12	9 54.14	+20 16.4	1.525	2.407	13.0	21.1
1 22	9 47.09	+20 51.1	1.460	2.401	8.8	20.8
2 1	9 37.62	+21 27.7	1.420	2.395	4.4	20.5
2 11	9 26.85	+21 58.7	1.408	2.389	3.2	20.5
2 21	9 16.21	+22 18.0	1.423	2.383	7.3	20.7
3 2	9 7.11	+22 22.3	1.464	2.377	11.8	20.9
3 12	9 0.63	+22 10.9	1.528	2.372	15.8	21.2

464000 2014 WG_{69} 2 9.3 296°.58 9°.4/ 1.9 18

1 2	10 0.49	+37 2.2	1.809	2.609	15.1	20.6
1 12	9 56.14	+38 31.7	1.741	2.606	12.6	20.4
1 22	9 48.50	+39 55.7	1.695	2.602	10.4	20.3
2 1	9 38.27	+41 3.2	1.674	2.599	9.4	20.2
2 11	9 26.73	+41 44.4	1.679	2.595	10.1	20.2
2 21	9 15.45	+41 54.2	1.709	2.592	12.2	20.4
3 2	9 5.97	+41 32.6	1.762	2.588	14.7	20.5
3 12	8 59.38	+40 44.1	1.835	2.585	17.2	20.7

430838 2005 JX_{118} 2 9.3 257°.47 0°.3/ 9.6 17

1 2	9 52.58	+11 59.1	2.595	3.359	12.0	22.2
1 12	9 48.62	+12 16.6	2.484	3.343	9.5	22.0
1 22	9 42.78	+12 43.7	2.395	3.325	6.5	21.8
2 1	9 35.46	+13 18.1	2.335	3.308	3.1	21.6
2 11	9 27.31	+13 56.2	2.304	3.290	0.6	21.3
2 21	9 19.11	+14 34.2	2.304	3.272	4.2	21.6
3 2	9 11.66	+15 8.3	2.333	3.254	7.6	21.7
3 12	9 5.67	+15 35.6	2.389	3.236	10.7	21.9

337496 2001 SQ_{101} 2 9.3 170°.61 4°.3/ 5.6 17

1 2	9 58.30	+28 53.8	2.674	3.457	11.2	21.2
1 12	9 52.96	+29 29.9	2.592	3.459	8.9	21.1
1 22	9 45.57	+30 5.0	2.535	3.461	6.4	20.9
2 1	9 36.68	+30 33.6	2.506	3.463	4.6	20.8
2 11	9 27.09	+30 51.1	2.507	3.464	4.7	20.8
2 21	9 17.68	+30 54.4	2.538	3.465	6.6	20.9
3 2	9 9.34	+30 42.7	2.597	3.466	9.1	21.1
3 12	9 2.75	+30 16.8	2.681	3.467	11.4	21.2

129801 Tommcmahon 2 9.3 266°.04 1°.5/ 8.3 17

1 2	9 56.31	+15 25.1	1.731	2.523	16.1	21.0
1 12	9 52.69	+16 3.9	1.627	2.503	12.7	20.7
1 22	9 46.19	+16 56.3	1.544	2.483	8.6	20.4
2 1	9 37.29	+17 57.4	1.487	2.463	4.0	20.1
2 11	9 26.93	+19 0.0	1.458	2.442	2.0	19.9
2 21	9 16.38	+19 56.2	1.457	2.421	6.7	20.1
3 2	9 7.04	+20 40.0	1.482	2.399	11.5	20.4
3 12	9 0.07	+21 7.8	1.531	2.377	15.7	20.6

109979 2001 SB_{55} 2 9.4 146°.02 1°.7/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 50.90	+ 5 56.7	2.711	3.452	12.1	20.4
1 12	9 47.06	+ 6 18.8	2.618	3.459	9.7	20.2
1 22	9 41.56	+ 6 53.6	2.548	3.465	6.9	20.0
2 1	9 34.83	+ 7 39.2	2.506	3.471	3.9	19.9
2 11	9 27.47	+ 8 32.3	2.494	3.477	1.7	19.7
2 21	9 20.19	+ 9 28.9	2.513	3.482	3.8	19.9
3 2	9 13.66	+10 24.7	2.561	3.487	6.8	20.1
3 12	9 8.49	+11 15.9	2.637	3.492	9.6	20.3

126154 2001 YH_{140} 2 9.4 26°.59 0°.1/ 7.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 31.90	+20 27.7	36.395	37.172	0.9	21.3
1 12	9 31.18	+20 32.5	36.304	37.174	0.7	21.3
1 22	9 30.36	+20 37.5	36.239	37.176	0.5	21.2
2 1	9 29.47	+20 42.5	36.204	37.178	0.2	21.2
2 11	9 28.56	+20 47.4	36.200	37.180	0.2	21.2
2 21	9 27.64	+20 51.9	36.226	37.182	0.4	21.2
3 2	9 26.77	+20 55.9	36.282	37.184	0.6	21.3
3 12	9 25.98	+20 59.3	36.366	37.186	0.9	21.3

8416 Okada 2 9.4 205°.96 1°.0/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.35	+ 9 16.4	1.795	2.562	16.5	18.1
1 12	9 53.96	+ 9 39.3	1.698	2.557	13.2	17.9
1 22	9 46.84	+10 19.0	1.622	2.551	9.2	17.6
2 1	9 37.50	+11 12.4	1.572	2.544	4.6	17.3
2 11	9 26.92	+12 13.9	1.550	2.536	1.1	17.0
2 21	9 16.31	+13 16.9	1.558	2.528	5.6	17.3
3 2	9 6.92	+14 14.7	1.594	2.519	10.2	17.6
3 12	8 59.81	+15 2.3	1.654	2.508	14.3	17.8

167591 2004 BS_{105} 2 9.4 140°.60 2°.0/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.90	+18 27.5	2.534	3.316	11.8	20.2
1 12	9 48.82	+19 20.9	2.451	3.324	9.1	20.1
1 22	9 42.85	+20 21.1	2.393	3.331	6.1	19.9
2 1	9 35.45	+21 23.3	2.364	3.337	3.0	19.7
2 11	9 27.36	+22 22.1	2.364	3.344	2.4	19.7
2 21	9 19.36	+23 12.7	2.396	3.350	5.2	19.9
3 2	9 12.27	+23 51.9	2.456	3.356	8.3	20.1
3 12	9 6.76	+24 18.0	2.541	3.362	11.0	20.2

106359 2000 VP_6 2 9.4 172°.41 2°.7/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.07	+22 0.6	2.658	3.444	11.2	20.0
1 12	9 48.90	+22 41.8	2.571	3.445	8.7	19.8
1 22	9 42.88	+23 26.7	2.509	3.446	5.9	19.7
2 1	9 35.46	+24 10.9	2.476	3.447	3.3	19.5
2 11	9 27.36	+24 49.6	2.473	3.447	3.0	19.5
2 21	9 19.35	+25 19.0	2.499	3.448	5.5	19.6
3 2	9 12.23	+25 36.6	2.555	3.448	8.3	19.8
3 12	9 6.64	+25 41.8	2.635	3.448	10.9	20.0

97465 2000 CX_{30} 2 9.4 57°.59 2°.5/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.42	+ 4 59.2	1.874	2.633	16.2	19.7
1 12	9 48.85	+ 5 15.0	1.804	2.654	13.0	19.6
1 22	9 43.04	+ 5 48.7	1.754	2.674	9.3	19.4
2 1	9 35.57	+ 6 38.1	1.730	2.695	5.3	19.2
2 11	9 27.35	+ 7 38.3	1.733	2.715	2.5	19.0
2 21	9 19.37	+ 8 43.3	1.766	2.736	4.9	19.2
3 2	9 12.60	+ 9 46.9	1.826	2.757	8.6	19.5
3 12	9 7.78	+10 43.8	1.911	2.778	12.1	19.8

212462 2006 QH_{30} 2 9.4 209°.87 0°.3/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.47	+13 4.9	2.078	2.851	14.4	21.6
1 12	9 52.10	+13 35.0	1.980	2.845	11.3	21.4
1 22	9 45.36	+14 17.0	1.905	2.839	7.7	21.1
2 1	9 36.74	+15 7.2	1.857	2.832	3.6	20.8
2 11	9 27.09	+16 0.2	1.838	2.824	0.9	20.6
2 21	9 17.45	+16 50.2	1.849	2.816	5.2	20.9
3 2	9 8.86	+17 32.5	1.889	2.807	9.3	21.1
3 12	9 2.23	+18 3.9	1.954	2.798	12.9	21.3

106295 2000 UJ_{82} 2 9.4 126°.07 0°.8/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.18	+14 32.0	1.890	2.667	15.4	20.4
1 12	9 54.20	+15 2.6	1.815	2.683	12.0	20.2
1 22	9 46.70	+15 43.9	1.762	2.697	8.0	20.0
2 1	9 37.30	+16 31.3	1.736	2.712	3.7	19.7
2 11	9 27.02	+17 18.6	1.740	2.725	1.3	19.6
2 21	9 16.99	+18 0.3	1.773	2.738	5.6	19.9
3 2	9 8.33	+18 32.0	1.834	2.750	9.6	20.1
3 12	9 1.88	+18 51.7	1.920	2.762	13.1	20.4

384842 2012 SD_5 2 9.4 65°.62 2°.2/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.09	+ 5 40.9	2.267	3.019	13.9	21.1
1 12	9 47.50	+ 5 52.3	2.185	3.031	11.2	20.9
1 22	9 42.00	+ 6 18.2	2.125	3.043	8.0	20.7
2 1	9 35.07	+ 6 56.7	2.091	3.055	4.6	20.5
2 11	9 27.46	+ 7 44.3	2.086	3.067	2.2	20.4
2 21	9 19.99	+ 8 36.6	2.110	3.080	4.3	20.5
3 2	9 13.48	+ 9 28.6	2.163	3.092	7.6	20.8
3 12	9 8.58	+10 16.1	2.242	3.105	10.7	21.0

409401 2005 EF_{261} 2 9.4 321°.07 3°.1/ 7.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 54.26	+19 15.7	1.401	2.218	17.8	21.2
1 12	9 51.66	+19 51.7	1.313	2.204	14.0	20.9
1 22	9 45.78	+20 38.7	1.245	2.190	9.5	20.6
2 1	9 37.17	+21 30.1	1.201	2.177	4.8	20.3
2 11	9 27.01	+22 16.8	1.183	2.164	3.7	20.2
2 21	9 16.85	+22 50.7	1.190	2.152	8.2	20.4
3 2	9 8.30	+23 6.5	1.222	2.141	13.2	20.7
3 12	9 2.62	+23 3.0	1.275	2.130	17.7	20.9

379065 2008 WN_{86} 2 9.4 350°.16 7°.7/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.23	+33 2.8	1.878	2.685	14.4	21.0
1 12	9 52.50	+34 21.7	1.807	2.683	11.7	20.8
1 22	9 45.90	+35 38.3	1.759	2.680	9.2	20.7
2 1	9 37.04	+36 43.1	1.737	2.678	7.7	20.6
2 11	9 27.06	+37 27.3	1.741	2.676	8.3	20.6
2 21	9 17.29	+37 45.8	1.771	2.675	10.6	20.7
3 2	9 9.05	+37 37.5	1.825	2.674	13.3	20.9
3 12	9 3.30	+37 5.2	1.900	2.674	15.9	21.1

207622 2006 RT_{121} 2 9.4 229°.73 1°.0/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.26	+ 9 2.2	2.655	3.410	12.0	20.8
1 12	9 47.49	+ 9 23.4	2.550	3.402	9.6	20.6
1 22	9 41.96	+ 9 55.9	2.469	3.394	6.7	20.4
2 1	9 35.08	+10 37.7	2.415	3.386	3.4	20.2
2 11	9 27.46	+11 25.3	2.392	3.377	1.0	20.0
2 21	9 19.84	+12 14.7	2.399	3.368	3.9	20.2
3 2	9 12.96	+13 1.8	2.435	3.359	7.2	20.4
3 12	9 7.47	+13 43.1	2.499	3.350	10.2	20.6

403848 2011 UX_{300} 2 9.4 29°.14 4°.2/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.27	+21 46.4	1.380	2.197	18.1	20.8
1 12	9 53.83	+22 31.8	1.311	2.201	14.1	20.6
1 22	9 47.04	+23 24.9	1.263	2.206	9.6	20.4
2 1	9 37.63	+24 17.1	1.239	2.212	5.4	20.1
2 11	9 26.96	+24 59.0	1.241	2.218	4.8	20.1
2 21	9 16.63	+25 23.5	1.269	2.224	8.7	20.3
3 2	9 8.18	+25 27.4	1.321	2.231	13.1	20.6
3 12	9 2.68	+25 11.4	1.394	2.238	17.1	20.9

33477 1999 FR_{59} 2 9.4 246°.89 2°.7/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.14	+ 5 19.4	1.678	2.444	17.5	19.1
1 12	9 50.84	+ 5 31.7	1.582	2.436	14.3	18.8
1 22	9 44.83	+ 6 4.4	1.506	2.428	10.3	18.6
2 1	9 36.62	+ 6 56.4	1.454	2.420	5.9	18.3
2 11	9 27.14	+ 8 3.0	1.429	2.412	2.7	18.1
2 21	9 17.62	+ 9 17.3	1.432	2.403	5.7	18.2
3 2	9 9.31	+10 31.3	1.462	2.394	10.3	18.5
3 12	9 3.27	+11 38.1	1.516	2.385	14.5	18.7

168299 1048 $T\text{-}_2$ 2 9.4 48°.27 5°.0/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.62	+29 14.3	2.164	2.956	13.2	19.7
1 12	9 54.41	+29 43.9	2.090	2.962	10.5	19.5
1 22	9 46.75	+30 11.5	2.040	2.969	7.6	19.4
2 1	9 37.30	+30 31.0	2.017	2.976	5.3	19.2
2 11	9 27.06	+30 36.9	2.023	2.983	5.3	19.2
2 21	9 17.15	+30 26.3	2.057	2.990	7.6	19.4
3 2	9 8.63	+29 58.6	2.119	2.997	10.5	19.6
3 12	9 2.27	+29 16.1	2.204	3.004	13.1	19.8

423724 2006 BN_{111} 2 9.4 208°.95 1°.4/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.30	+18 5.6	2.250	3.029	13.2	21.3
1 12	9 52.51	+18 19.5	2.156	3.026	10.3	21.1
1 22	9 45.49	+18 39.3	2.086	3.022	6.9	20.9
2 1	9 36.76	+19 1.2	2.044	3.019	3.3	20.7
2 11	9 27.15	+19 20.9	2.031	3.015	1.7	20.6
2 21	9 17.65	+19 34.4	2.048	3.011	5.2	20.8
3 2	9 9.22	+19 39.1	2.094	3.006	8.9	21.0
3 12	9 2.67	+19 34.0	2.166	3.002	12.1	21.2

460302 2014 QP_{371} 2 9.4 235°.55 0°.0/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.80	+11 35.3	1.780	2.561	16.1	21.9
1 12	9 51.23	+12 11.8	1.685	2.554	12.7	21.6
1 22	9 45.02	+13 4.2	1.612	2.547	8.7	21.4
2 1	9 36.69	+14 8.4	1.565	2.540	4.1	21.1
2 11	9 27.16	+15 17.9	1.546	2.532	0.8	20.8
2 21	9 17.61	+16 25.3	1.555	2.524	5.7	21.1
3 2	9 9.26	+17 24.0	1.592	2.516	10.3	21.4
3 12	9 3.12	+18 9.6	1.653	2.507	14.3	21.6

275243 2009 XW_3 2 9.4 20°.16 0°.8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.33	+11 24.4	1.977	2.752	14.9	20.7
1 12	9 50.44	+11 30.2	1.888	2.753	11.8	20.5
1 22	9 44.22	+11 47.7	1.822	2.753	8.1	20.3
2 1	9 36.20	+12 14.4	1.781	2.754	4.0	20.0
2 11	9 27.27	+12 46.1	1.768	2.754	0.9	19.8
2 21	9 18.44	+13 18.2	1.785	2.755	4.9	20.1
3 2	9 10.75	+13 46.4	1.829	2.756	9.0	20.3
3 12	9 5.01	+14 7.5	1.898	2.757	12.6	20.5

135758 2002 RP_{15} 2 9.4 66°.36 0°.3/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 58.97	+14 0.0	1.573	2.363	17.5	19.9
1 12	9 54.35	+14 13.3	1.512	2.386	13.6	19.7
1 22	9 46.91	+14 38.5	1.472	2.410	9.1	19.5
2 1	9 37.42	+15 10.9	1.458	2.433	4.2	19.2
2 11	9 27.07	+15 44.5	1.470	2.457	1.0	19.0
2 21	9 17.18	+16 13.7	1.511	2.480	5.9	19.4
3 2	9 8.97	+16 34.4	1.579	2.503	10.3	19.7
3 12	9 3.28	+16 44.4	1.670	2.527	14.1	20.0

103529 2000 BK_{10} 2 9.4 77°.41 0°.4/ 9.0 18

1 2	9 52.43	+12 52.5	2.086	2.866	14.1	20.2
1 12	9 48.81	+13 30.6	2.004	2.873	11.0	20.0
1 22	9 43.04	+14 20.5	1.945	2.881	7.4	19.8
2 1	9 35.63	+15 18.1	1.913	2.888	3.4	19.5
2 11	9 27.41	+16 17.9	1.910	2.896	0.9	19.4
2 21	9 19.32	+17 14.0	1.936	2.904	5.0	19.7
3 2	9 12.31	+18 1.7	1.991	2.911	8.8	19.9
3 12	9 7.11	+18 38.0	2.071	2.919	12.1	20.1

37437 2576 P–L 2 9.4 236°.04 2°.7/ 7.4 18

1 2	9 59.32	+19 37.8	1.980	2.766	14.5	20.0
1 12	9 54.66	+20 19.4	1.878	2.752	11.4	19.8
1 22	9 47.31	+21 9.2	1.799	2.737	7.7	19.5
2 1	9 37.78	+22 1.5	1.748	2.721	4.0	19.3
2 11	9 26.98	+22 49.3	1.725	2.705	3.2	19.2
2 21	9 16.11	+23 26.4	1.732	2.687	6.8	19.3
3 2	9 6.42	+23 48.7	1.766	2.669	10.8	19.5
3 12	8 58.92	+23 55.0	1.825	2.651	14.4	19.7

80298 1999 XE_{60} 2 9.4 254°.88 1°.5/10.2 18

1 2	9 56.72	+ 9 23.2	1.532	2.315	18.2	19.8
1 12	9 53.22	+ 9 30.2	1.436	2.303	14.7	19.5
1 22	9 46.68	+ 9 54.8	1.360	2.292	10.3	19.2
2 1	9 37.58	+10 35.0	1.308	2.280	5.3	18.9
2 11	9 27.01	+11 25.5	1.283	2.268	1.5	18.6
2 21	9 16.34	+12 19.3	1.284	2.256	6.2	18.9
3 2	9 7.06	+13 9.3	1.312	2.243	11.4	19.1
3 12	9 0.36	+13 49.9	1.363	2.231	16.0	19.4

45229 1999 XS_{214} 2 9.4 199°.79 2°.4/ 7.7 18

1 2	9 59.01	+19 36.5	1.982	2.769	14.5	19.3
1 12	9 54.24	+20 9.2	1.893	2.767	11.3	19.1
1 22	9 46.88	+20 48.8	1.826	2.763	7.6	18.9
2 1	9 37.50	+21 29.9	1.786	2.760	3.8	18.6
2 11	9 27.07	+22 6.2	1.775	2.756	2.9	18.5
2 21	9 16.74	+22 32.5	1.794	2.751	6.4	18.8
3 2	9 7.68	+22 45.5	1.840	2.746	10.2	19.0
3 12	9 0.79	+22 44.4	1.911	2.741	13.7	19.2

84869 2003 BD_{22} 2 9.4 6°.96 9°.3/18.1 18

1 2	9 47.21	−12 23.1	1.859	2.537	18.9	19.0
1 12	9 45.11	−12 54.8	1.771	2.538	16.7	18.9
1 22	9 40.76	−12 58.3	1.700	2.540	14.2	18.7
2 1	9 34.66	−12 30.0	1.649	2.542	11.7	18.5
2 11	9 27.63	−11 29.7	1.622	2.546	9.8	18.4
2 21	9 20.66	−10 1.3	1.619	2.550	9.4	18.4
3 2	9 14.74	− 8 12.3	1.641	2.555	10.8	18.5
3 12	9 10.72	− 6 13.1	1.689	2.561	13.1	18.6

17310 6574 P–L 2 9.4 113°.09 3°.6/ 7.2 18

1 2	10 1.25	+21 50.6	1.663	2.461	16.3	18.5
1 12	9 56.30	+22 30.3	1.593	2.472	12.7	18.3
1 22	9 48.38	+23 15.8	1.544	2.483	8.7	18.1
2 1	9 38.19	+23 59.6	1.522	2.494	4.7	17.9
2 11	9 26.97	+24 34.1	1.527	2.504	4.1	17.9
2 21	9 16.10	+24 53.8	1.561	2.514	7.6	18.1
3 2	9 6.91	+24 56.1	1.621	2.524	11.6	18.4
3 12	9 0.36	+24 41.8	1.704	2.534	15.1	18.6

203071 2000 QG_{27} 2 9.4 101°.99 0°.1/ 9.5 18

1 2	9 58.67	+11 16.5	1.736	2.511	16.7	20.9
1 12	9 53.95	+11 50.2	1.668	2.533	13.1	20.7
1 22	9 46.61	+12 38.3	1.622	2.555	8.8	20.5
2 1	9 37.32	+13 36.4	1.602	2.576	4.1	20.3
2 11	9 27.16	+14 37.7	1.610	2.596	0.8	20.0
2 21	9 17.33	+15 35.5	1.648	2.616	5.5	20.4
3 2	9 8.96	+16 24.3	1.713	2.636	9.8	20.7
3 12	9 2.91	+17 0.7	1.803	2.654	13.4	21.0

499041 2009 DU_{58} 2 9.4 269°.84 1°.3/10.7 17

1 2	9 49.83	+ 7 16.9	2.470	3.226	12.8	21.9
1 12	9 46.55	+ 7 46.6	2.368	3.219	10.2	21.7
1 22	9 41.44	+ 8 30.2	2.289	3.212	7.2	21.5
2 1	9 34.91	+ 9 25.6	2.236	3.205	3.8	21.2
2 11	9 27.62	+10 28.7	2.214	3.198	1.3	21.0
2 21	9 20.31	+11 34.8	2.221	3.191	4.1	21.2
3 2	9 13.79	+12 38.7	2.258	3.184	7.5	21.4
3 12	9 8.73	+13 36.2	2.321	3.178	10.6	21.6

328221 2008 ES_{155} 2 9.4 222°.94 0°.6/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 53.31	+ 8 51.1	2.369	3.126	13.3	21.5
1 12	9 49.41	+ 9 36.9	2.262	3.116	10.5	21.3
1 22	9 43.47	+10 37.5	2.178	3.105	7.3	21.1
2 1	9 35.91	+11 49.9	2.122	3.094	3.6	20.8
2 11	9 27.43	+13 9.0	2.097	3.083	0.7	20.6
2 21	9 18.88	+14 28.9	2.102	3.071	4.5	20.8
3 2	9 11.16	+15 43.6	2.137	3.058	8.2	21.0
3 12	9 5.03	+16 48.7	2.199	3.045	11.5	21.2

200679 2001 TX_{181} 2 9.4 188°.76 2°.9/ 7.5 18

1 2	10 1.29	+20 18.0	1.777	2.567	15.7	20.7
1 12	9 56.33	+20 53.3	1.691	2.567	12.3	20.4
1 22	9 48.47	+21 35.7	1.628	2.566	8.4	20.2
2 1	9 38.31	+22 19.0	1.591	2.565	4.3	19.9
2 11	9 26.98	+22 55.8	1.583	2.563	3.4	19.9
2 21	9 15.79	+23 20.2	1.604	2.560	7.1	20.1
3 2	9 6.08	+23 29.2	1.651	2.557	11.2	20.3
3 12	8 58.87	+23 22.3	1.722	2.553	14.9	20.5

358510 2007 RQ_{211} 2 9.4 238°.52 3°.8/11.9 18

1 2	9 54.96	+ 3 34.0	1.735	2.489	17.5	21.6
1 12	9 51.40	+ 3 26.9	1.638	2.482	14.4	21.4
1 22	9 45.19	+ 3 39.3	1.561	2.475	10.6	21.1
2 1	9 36.83	+ 4 11.1	1.508	2.468	6.6	20.9
2 11	9 27.26	+ 4 59.4	1.482	2.461	3.8	20.7
2 21	9 17.65	+ 5 58.5	1.484	2.453	5.9	20.8
3 2	9 9.22	+ 7 1.8	1.513	2.445	10.1	21.0
3 12	9 3.00	+ 8 2.2	1.566	2.437	14.1	21.2

109194 2001 QB_{75} 2 9.4 157°.60 5°.0/ 3.9 17

1 2	9 57.98	+33 10.3	3.078	3.856	10.0	20.3
1 12	9 52.55	+34 1.7	3.005	3.864	8.1	20.2
1 22	9 45.26	+34 50.0	2.957	3.870	6.2	20.1
2 1	9 36.62	+35 29.9	2.938	3.877	5.1	20.0
2 11	9 27.34	+35 56.8	2.949	3.883	5.4	20.0
2 21	9 18.23	+36 8.2	2.989	3.888	6.9	20.1
3 2	9 10.08	+36 3.1	3.056	3.893	8.8	20.3
3 12	9 3.53	+35 43.0	3.148	3.898	10.7	20.4

89003 2001 TR_{78} 2 9.4 159°.98 1°.1/ 8.5 18

1 2	9 55.49	+15 15.7	2.083	2.864	14.1	19.9
1 12	9 51.27	+15 51.6	1.997	2.867	11.0	19.7
1 22	9 44.77	+16 37.5	1.934	2.871	7.4	19.5
2 1	9 36.50	+17 29.0	1.898	2.874	3.4	19.2
2 11	9 27.35	+18 20.3	1.892	2.876	1.5	19.1
2 21	9 18.30	+19 6.0	1.915	2.879	5.4	19.3
3 2	9 10.37	+19 41.8	1.966	2.881	9.2	19.6
3 12	9 4.37	+20 5.4	2.042	2.883	12.5	19.8

334586 2002 TL_{155} 2 9.4 82°.48 0°.9/10.0 18

1 2	9 56.83	+11 31.6	2.240	3.002	13.8	21.0
1 12	9 51.89	+11 27.6	2.167	3.023	10.8	20.9
1 22	9 44.92	+11 33.1	2.116	3.044	7.4	20.7
2 1	9 36.47	+11 45.8	2.092	3.064	3.7	20.5
2 11	9 27.38	+12 2.4	2.099	3.084	1.0	20.3
2 21	9 18.56	+12 19.6	2.135	3.104	4.3	20.6
3 2	9 10.86	+12 34.3	2.200	3.124	7.8	20.8
3 12	9 4.96	+12 44.1	2.292	3.144	10.9	21.1

202762 2007 RS_{69} 2 9.4 24°.42 1°.6/ 8.1 18

1 2	9 53.66	+17 23.2	2.105	2.894	13.7	20.3
1 12	9 49.85	+17 53.5	2.020	2.895	10.6	20.1
1 22	9 43.80	+18 31.6	1.958	2.897	7.1	19.9
2 1	9 36.05	+19 13.2	1.923	2.898	3.4	19.7
2 11	9 27.45	+19 52.9	1.916	2.900	2.0	19.6
2 21	9 18.97	+20 25.8	1.939	2.901	5.5	19.8
3 2	9 11.59	+20 48.4	1.990	2.903	9.2	20.0
3 12	9 6.09	+20 59.0	2.065	2.905	12.4	20.2

290132 2005 QJ_{153} 2 9.4 54°.08 3°.8/ 7.7 18

1 2	10 2.50	+21 54.9	1.280	2.094	19.4	20.4
1 12	9 58.14	+22 16.1	1.213	2.101	15.2	20.2
1 22	9 50.08	+22 43.4	1.166	2.108	10.4	19.9
2 1	9 39.15	+23 8.9	1.142	2.116	5.5	19.7
2 11	9 26.87	+23 23.9	1.144	2.124	4.3	19.6
2 21	9 15.08	+23 22.6	1.172	2.132	8.6	19.9
3 2	9 5.48	+23 3.2	1.224	2.140	13.4	20.2
3 12	8 59.18	+22 27.7	1.297	2.148	17.7	20.5

418389 2008 HH_{57} 2 9.4 206°.82 0°.3/ 9.7 18

1 2	9 52.13	+ 9 14.9	1.877	2.653	15.6	21.2
1 12	9 48.95	+10 6.9	1.787	2.652	12.3	21.0
1 22	9 43.39	+11 16.7	1.719	2.652	8.4	20.8
2 1	9 35.94	+12 40.3	1.678	2.651	4.0	20.5
2 11	9 27.47	+14 10.8	1.665	2.651	0.7	20.2
2 21	9 19.04	+15 40.2	1.681	2.651	5.3	20.6
3 2	9 11.71	+17 1.2	1.725	2.650	9.6	20.8
3 12	9 6.39	+18 8.5	1.794	2.649	13.3	21.1

465913 2010 VB_{120} 2 9.4 15.°59 11.°9/17.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 48.40	− 8 56.1	1.239	1.977	23.9	20.5
1 12	9 46.97	−10 28.6	1.176	1.986	21.0	20.3
1 22	9 42.50	−11 28.9	1.128	1.996	17.8	20.1
2 1	9 35.63	−11 50.5	1.098	2.008	14.6	19.9
2 11	9 27.56	−11 30.9	1.088	2.022	12.3	19.8
2 21	9 19.71	−10 34.2	1.100	2.037	12.0	19.9
3 2	9 13.48	− 9 9.7	1.133	2.054	13.8	20.0
3 12	9 9.93	− 7 30.6	1.187	2.073	16.5	20.2

509523 2007 XP_{3} 2 9.4 240.°35 3.°0/ 6.1 18 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 5.19	+23 6.3	3.255	4.007	10.1	25.5
1 12	9 58.30	+24 11.6	3.126	3.979	7.9	25.3
1 22	9 49.35	+25 21.4	3.024	3.950	5.5	25.1
2 1	9 38.69	+26 30.7	2.955	3.919	3.4	24.9
2 11	9 26.96	+27 33.8	2.920	3.887	3.4	24.9
2 21	9 14.98	+28 25.8	2.920	3.853	5.6	25.0
3 2	9 3.61	+29 3.7	2.952	3.817	8.3	25.1
3 12	8 53.66	+29 26.6	3.012	3.779	10.7	25.3

199512 2006 DR_{124} 2 9.4 208.°61 1.°0/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.36	+15 52.8	2.168	2.950	13.5	21.5
1 12	9 50.35	+16 19.6	2.077	2.948	10.6	21.3
1 22	9 44.14	+16 55.1	2.010	2.947	7.1	21.1
2 1	9 36.23	+17 35.5	1.970	2.945	3.3	20.8
2 11	9 27.46	+18 15.6	1.959	2.944	1.4	20.7
2 21	9 18.77	+18 50.6	1.978	2.942	5.2	21.0
3 2	9 11.12	+19 16.9	2.024	2.940	8.9	21.2
3 12	9 5.31	+19 32.3	2.096	2.938	12.2	21.4

437800 2015 CP_{56} 2 9.4 300.°03 4.°8/ 6.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.05	+28 30.0	2.151	2.943	13.3	21.6
1 12	9 55.07	+28 54.4	2.053	2.926	10.6	21.4
1 22	9 47.48	+29 17.8	1.979	2.909	7.7	21.2
2 1	9 37.85	+29 34.1	1.931	2.892	5.3	21.0
2 11	9 27.15	+29 37.4	1.912	2.876	5.2	20.9
2 21	9 16.54	+29 23.8	1.922	2.859	7.7	21.1
3 2	9 7.21	+28 52.4	1.959	2.843	10.9	21.2
3 12	9 0.07	+28 5.1	2.020	2.827	13.9	21.4

229182 2004 TK_{187} 2 9.4 8.°64 2.°4/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 50.87	+ 7 9.5	1.576	2.360	17.7	20.1
1 12	9 48.32	+ 7 9.1	1.495	2.361	14.3	19.8
1 22	9 43.13	+ 7 26.9	1.435	2.363	10.2	19.6
2 1	9 35.87	+ 8 1.4	1.397	2.366	5.6	19.3
2 11	9 27.54	+ 8 48.0	1.386	2.370	2.4	19.2
2 21	9 19.34	+ 9 40.5	1.402	2.374	5.6	19.4
3 2	9 12.48	+10 32.1	1.444	2.380	10.1	19.6
3 12	9 7.89	+11 17.0	1.509	2.386	14.1	19.9

238967 2006 BN_{130} 2 9.4 167.°18 1.°5/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.15	+ 7 20.3	1.865	2.626	16.2	21.4
1 12	9 52.05	+ 7 47.3	1.776	2.630	13.0	21.2
1 22	9 45.46	+ 8 31.9	1.708	2.633	9.1	21.0
2 1	9 36.92	+ 9 31.3	1.667	2.636	4.8	20.7
2 11	9 27.34	+10 40.0	1.654	2.639	1.6	20.5
2 21	9 17.83	+11 51.4	1.670	2.640	5.1	20.7
3 2	9 9.51	+12 58.7	1.714	2.642	9.4	21.0
3 12	9 3.29	+13 56.6	1.784	2.642	13.2	21.2

373354 2012 KD_{15} 2 9.4 254.°92 0.°9/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.91	+14 33.6	2.041	2.824	14.2	21.5
1 12	9 50.24	+15 9.1	1.943	2.815	11.2	21.3
1 22	9 44.22	+15 55.9	1.868	2.806	7.5	21.0
2 1	9 36.35	+16 50.0	1.820	2.796	3.5	20.8
2 11	9 27.44	+17 45.6	1.801	2.787	1.4	20.6
2 21	9 18.52	+18 36.7	1.811	2.777	5.5	20.9
3 2	9 10.65	+19 18.4	1.850	2.767	9.5	21.1
3 12	9 4.70	+19 47.7	1.912	2.757	13.1	21.3

165417 2000 YK_{36} 2 9.4 31.°55 0.°8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.68	+10 47.0	1.231	2.040	20.3	19.9
1 12	9 51.10	+10 58.2	1.168	2.051	16.1	19.7
1 22	9 45.25	+11 28.5	1.124	2.064	11.0	19.4
2 1	9 36.89	+12 13.6	1.103	2.078	5.4	19.1
2 11	9 27.36	+13 6.2	1.106	2.092	1.1	18.9
2 21	9 18.20	+13 58.0	1.134	2.107	6.5	19.3
3 2	9 10.89	+14 41.6	1.187	2.124	11.8	19.6
3 12	9 6.46	+15 12.4	1.262	2.140	16.3	19.9

3413 Andriana 2 9.4 277.°62 1.°1/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.43	+11 58.2	1.506	2.294	18.2	17.0
1 12	9 54.70	+11 47.4	1.408	2.279	14.6	16.8
1 22	9 47.79	+11 49.9	1.330	2.265	10.2	16.5
2 1	9 38.21	+12 3.6	1.277	2.250	5.1	16.1
2 11	9 27.07	+12 24.0	1.250	2.236	1.2	15.8
2 21	9 15.83	+12 45.8	1.250	2.221	6.4	16.1
3 2	9 6.04	+13 3.8	1.276	2.206	11.7	16.4
3 12	8 58.95	+13 14.1	1.324	2.192	16.4	16.6

253952 2004 DD_{29} 2 9.4 198.°60 0.°6/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 56.56	+14 22.5	2.119	2.894	14.0	20.9
1 12	9 52.14	+14 49.4	2.025	2.891	11.0	20.7
1 22	9 45.40	+15 26.5	1.953	2.888	7.4	20.5
2 1	9 36.86	+16 10.0	1.909	2.884	3.4	20.2
2 11	9 27.36	+16 54.8	1.895	2.880	1.1	20.0
2 21	9 17.90	+17 35.6	1.910	2.876	5.2	20.3
3 2	9 9.52	+18 8.3	1.954	2.871	9.1	20.6
3 12	9 3.06	+18 30.3	2.023	2.865	12.6	20.8

22891 1999 SO_{11} 2 9.4 176.°08 0.°7/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.80	+ 9 40.4	1.828	2.594	16.3	19.5
1 12	9 54.21	+10 11.0	1.739	2.597	13.0	19.2
1 22	9 46.98	+10 57.8	1.671	2.600	8.9	19.0
2 1	9 37.65	+11 57.3	1.629	2.601	4.4	18.7
2 11	9 27.21	+13 3.4	1.616	2.602	0.9	18.5
2 21	9 16.82	+14 9.2	1.632	2.602	5.4	18.8
3 2	9 7.71	+15 8.4	1.677	2.601	9.9	19.0
3 12	9 0.82	+15 56.3	1.747	2.599	13.8	19.3

81502 2000 GX_{162} 2 9.4 247.°63 1.°3/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.86	+15 7.1	2.051	2.833	14.2	20.1
1 12	9 51.04	+15 50.9	1.949	2.820	11.2	19.9
1 22	9 44.82	+16 46.4	1.869	2.806	7.5	19.6
2 1	9 36.66	+17 49.3	1.817	2.792	3.5	19.4
2 11	9 27.39	+18 53.2	1.793	2.778	1.7	19.2
2 21	9 18.03	+19 51.6	1.799	2.763	5.7	19.4
3 2	9 9.70	+20 39.3	1.834	2.747	9.8	19.7
3 12	9 3.31	+21 13.1	1.892	2.732	13.4	19.8

329038 2011 AU_{40} 2 9.4 155.°73 1.°2/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.43	+16 18.1	2.194	2.972	13.5	21.7
1 12	9 51.88	+16 47.5	2.108	2.977	10.5	21.5
1 22	9 45.12	+17 25.2	2.046	2.982	7.1	21.2
2 1	9 36.69	+18 6.9	2.012	2.987	3.3	21.0
2 11	9 27.42	+18 47.5	2.007	2.991	1.6	20.9
2 21	9 18.28	+19 22.3	2.032	2.995	5.2	21.2
3 2	9 10.24	+19 47.6	2.085	2.998	8.8	21.4
3 12	9 4.06	+20 1.8	2.164	3.001	12.1	21.6

329327 2000 VR_{55} 2 9.4 74.°52 6.°5/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.32	− 3 10.2	1.951	2.662	17.1	20.6
1 12	9 51.14	− 3 56.4	1.873	2.678	14.5	20.4
1 22	9 44.67	− 4 22.8	1.814	2.693	11.5	20.3
2 1	9 36.48	− 4 27.5	1.779	2.709	8.5	20.1
2 11	9 27.46	− 4 11.1	1.771	2.724	6.6	20.0
2 21	9 18.62	− 3 36.9	1.789	2.739	7.1	20.1
3 2	9 10.94	− 2 50.0	1.835	2.755	9.5	20.2
3 12	9 5.22	− 1 57.2	1.906	2.770	12.3	20.4

155454 1998 MU_{18} 2 9.4 216.°09 1.°3/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.79	+ 7 40.5	2.508	3.258	12.8	20.5
1 12	9 48.85	+ 8 7.6	2.403	3.251	10.2	20.3
1 22	9 43.02	+ 8 48.1	2.321	3.243	7.2	20.1
2 1	9 35.72	+ 9 39.8	2.266	3.234	3.8	19.9
2 11	9 27.60	+10 38.9	2.241	3.226	1.3	19.7
2 21	9 19.46	+11 40.6	2.247	3.216	4.1	19.9
3 2	9 12.10	+12 40.2	2.282	3.207	7.6	20.1
3 12	9 6.23	+13 33.4	2.344	3.197	10.7	20.2

475942 2007 EX_{170} 2 9.4 54.°14 8.°8/ 7.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 20.92	+33 12.2	0.961	1.778	24.2	20.9
1 12	10 13.94	+33 11.5	0.905	1.787	19.7	20.6
1 22	10 1.34	+33 0.2	0.865	1.797	14.6	20.4
2 1	9 44.46	+32 23.6	0.846	1.807	10.1	20.2
2 11	9 26.03	+31 11.5	0.851	1.818	9.1	20.2
2 21	9 9.14	+29 24.7	0.880	1.829	12.7	20.4
3 2	8 56.25	+27 13.4	0.933	1.840	17.5	20.7
3 12	8 48.49	+24 50.9	1.005	1.851	22.0	21.0

321655 2010 BQ_{70} 2 9.4 111.°97 3.°6/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.82	+25 55.2	2.521	3.306	11.8	20.8
1 12	9 52.66	+26 25.7	2.446	3.316	9.2	20.7
1 22	9 45.47	+26 56.5	2.395	3.327	6.4	20.5
2 1	9 36.79	+27 22.9	2.372	3.337	4.1	20.4
2 11	9 27.45	+27 40.1	2.379	3.347	3.9	20.4
2 21	9 18.34	+27 45.0	2.416	3.357	6.2	20.5
3 2	9 10.35	+27 36.6	2.482	3.366	8.9	20.7
3 12	9 4.12	+27 15.5	2.572	3.376	11.4	20.9

122851 2000 ST_{129} 2 9.4 210.°16 5.°8/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.75	− 3 46.5	2.388	3.081	14.8	20.3
1 12	9 50.48	− 4 18.9	2.283	3.075	12.6	20.1
1 22	9 44.19	− 4 34.3	2.198	3.069	10.1	19.9
2 1	9 36.31	− 4 31.0	2.137	3.063	7.6	19.7
2 11	9 27.54	− 4 9.4	2.104	3.056	5.9	19.6
2 21	9 18.73	− 3 31.9	2.100	3.048	6.4	19.6
3 2	9 10.75	− 2 42.6	2.124	3.040	8.6	19.7
3 12	9 4.37	− 1 47.2	2.175	3.031	11.3	19.9

253099 2002 TC_{304} 2 9.4 92°.52 5°.1/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 59.84	+25 28.1	1.769	2.570	15.4	21.3
1 12	9 55.11	+26 32.9	1.707	2.587	12.0	21.2
1 22	9 47.55	+27 40.3	1.668	2.603	8.4	21.0
2 1	9 37.88	+28 42.0	1.655	2.620	5.6	20.8
2 11	9 27.26	+29 29.5	1.671	2.636	5.7	20.9
2 21	9 17.02	+29 57.5	1.714	2.651	8.5	21.1
3 2	9 8.40	+30 4.0	1.783	2.667	11.8	21.3
3 12	9 2.28	+29 50.8	1.874	2.682	14.8	21.5

503051 2015 FR_{162} 2 9.4 76°.86 0°.9/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 50.21	+ 8 48.1	2.489	3.249	12.6	21.2
1 12	9 46.81	+ 9 16.7	2.395	3.250	10.0	21.0
1 22	9 41.62	+ 9 57.6	2.324	3.250	6.9	20.8
2 1	9 35.06	+10 48.6	2.280	3.251	3.5	20.6
2 11	9 27.79	+11 45.4	2.266	3.252	1.0	20.4
2 21	9 20.56	+12 43.6	2.282	3.252	4.0	20.6
3 2	9 14.15	+13 38.5	2.327	3.253	7.4	20.8
3 12	9 9.20	+14 26.4	2.399	3.254	10.4	21.0

18254 4062 $T\text{-}_2$ 2 9.4 351°.80 5°.5/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 48.95	− 2 5.9	1.672	2.416	18.4	18.1
1 12	9 46.76	− 2 4.3	1.582	2.412	15.5	17.9
1 22	9 42.09	− 1 36.7	1.509	2.409	12.0	17.6
2 1	9 35.44	− 0 42.2	1.460	2.407	8.3	17.4
2 11	9 27.70	+ 0 36.1	1.435	2.405	5.6	17.2
2 21	9 19.98	+ 2 11.6	1.438	2.403	6.5	17.3
3 2	9 13.41	+ 3 55.1	1.467	2.403	10.0	17.5
3 12	9 8.94	+ 5 36.7	1.520	2.403	13.7	17.7

44713 1999 TP_5 2 9.4 136°.71 0°.7/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.01	+13 19.9	1.385	2.186	18.9	19.0
1 12	9 53.67	+13 50.0	1.306	2.186	14.9	18.7
1 22	9 47.08	+14 36.7	1.247	2.187	10.1	18.4
2 1	9 37.86	+15 34.9	1.211	2.187	4.7	18.1
2 11	9 27.25	+16 36.4	1.202	2.188	1.3	17.9
2 21	9 16.77	+17 32.5	1.219	2.188	6.9	18.2
3 2	9 7.97	+18 16.3	1.262	2.188	12.1	18.5
3 12	9 2.00	+18 44.2	1.326	2.189	16.6	18.8

200755 2001 WX_{25} 2 9.4 323°.29 5°.5/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.28	+22 56.6	1.372	2.193	17.9	19.9
1 12	9 53.40	+24 6.6	1.295	2.187	14.1	19.7
1 22	9 47.08	+25 26.1	1.239	2.182	9.8	19.4
2 1	9 37.93	+26 44.8	1.207	2.177	6.1	19.2
2 11	9 27.24	+27 51.0	1.200	2.172	6.1	19.2
2 21	9 16.66	+28 35.6	1.220	2.167	9.9	19.4
3 2	9 7.89	+28 53.9	1.262	2.163	14.4	19.6
3 12	9 2.15	+28 46.8	1.325	2.160	18.4	19.8

261260 2005 UL_{91} 2 9.4 194°.07 2°.4/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.52	+ 6 48.8	2.157	2.908	14.6	21.0
1 12	9 51.24	+ 6 43.0	2.061	2.906	11.8	20.8
1 22	9 44.77	+ 6 50.7	1.987	2.905	8.5	20.6
2 1	9 36.59	+ 7 10.6	1.938	2.903	4.8	20.4
2 11	9 27.51	+ 7 40.0	1.919	2.901	2.4	20.2
2 21	9 18.47	+ 8 14.9	1.929	2.898	4.7	20.3
3 2	9 10.44	+ 8 50.9	1.967	2.895	8.4	20.6
3 12	9 4.20	+ 9 23.8	2.032	2.892	11.8	20.8

271784 2004 TP_{33} 2 9.4 49°.70 1°.0/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.19	+10 26.9	1.791	2.570	16.1	21.3
1 12	9 50.52	+10 35.1	1.715	2.581	12.7	21.1
1 22	9 44.40	+10 57.1	1.660	2.592	8.8	20.9
2 1	9 36.42	+11 30.0	1.631	2.604	4.4	20.6
2 11	9 27.57	+12 8.9	1.629	2.615	1.1	20.4
2 21	9 18.93	+12 48.5	1.656	2.628	5.1	20.7
3 2	9 11.58	+13 23.9	1.710	2.640	9.3	21.0
3 12	9 6.34	+13 51.3	1.789	2.652	13.0	21.2

217913 2001 SC_{197} 2 9.4 213°.82 1°.5/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.15	+ 7 25.1	2.464	3.209	13.1	22.1
1 12	9 50.76	+ 7 43.9	2.356	3.200	10.5	21.9
1 22	9 44.37	+ 8 15.8	2.271	3.190	7.5	21.6
2 1	9 36.40	+ 8 59.1	2.213	3.180	4.0	21.4
2 11	9 27.56	+ 9 50.3	2.185	3.169	1.5	21.2
2 21	9 18.67	+10 44.8	2.188	3.157	4.2	21.4
3 2	9 10.59	+11 38.0	2.221	3.145	7.8	21.6
3 12	9 4.07	+12 25.8	2.280	3.131	11.0	21.8

254943 2005 SR_{164} 2 9.4 90°.53 1°.5/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.14	+15 39.9	2.040	2.820	14.4	21.2
1 12	9 52.42	+16 32.9	1.977	2.847	11.1	21.0
1 22	9 45.44	+17 35.3	1.937	2.874	7.3	20.9
2 1	9 36.83	+18 41.7	1.925	2.900	3.4	20.7
2 11	9 27.51	+19 45.3	1.942	2.926	1.9	20.6
2 21	9 18.49	+20 40.4	1.990	2.951	5.5	20.9
3 2	9 10.73	+21 23.0	2.066	2.976	9.1	21.2
3 12	9 4.96	+21 51.5	2.167	3.000	12.2	21.4

153430 2001 QL_{216} 2 9.4 251°.95 1°.0/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 58.34	+14 30.1	1.726	2.512	16.3	21.0
1 12	9 54.36	+15 2.5	1.622	2.494	13.0	20.7
1 22	9 47.46	+15 48.9	1.538	2.475	8.8	20.4
2 1	9 38.09	+16 44.7	1.480	2.456	4.1	20.1
2 11	9 27.23	+17 42.9	1.451	2.436	1.6	19.8
2 21	9 16.17	+18 36.2	1.450	2.416	6.5	20.1
3 2	9 6.33	+19 18.4	1.476	2.394	11.3	20.3
3 12	8 58.90	+19 45.9	1.525	2.373	15.7	20.5

351737 2006 DL_{10} 2 9.4 312°.95 1°.5/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.57	+13 38.8	1.386	2.195	18.4	20.7
1 12	9 50.35	+14 29.6	1.298	2.184	14.5	20.4
1 22	9 44.99	+15 39.7	1.231	2.174	9.8	20.1
2 1	9 36.98	+17 3.1	1.187	2.164	4.5	19.7
2 11	9 27.45	+18 30.3	1.169	2.154	2.1	19.5
2 21	9 17.86	+19 50.7	1.177	2.144	7.4	19.8
3 2	9 9.77	+20 55.5	1.210	2.135	12.7	20.1
3 12	9 4.42	+21 39.9	1.265	2.127	17.3	20.4

453318 2008 VR_{67} 2 9.4 73°.41 1°.2/10.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 1.16	+10 25.9	1.428	2.211	19.3	22.2
1 12	9 56.31	+10 28.5	1.370	2.238	15.2	22.0
1 22	9 48.42	+10 47.1	1.332	2.264	10.4	21.8
2 1	9 38.30	+11 18.3	1.318	2.291	5.2	21.5
2 11	9 27.26	+11 55.9	1.331	2.317	1.3	21.3
2 21	9 16.76	+12 33.5	1.371	2.343	5.9	21.7
3 2	9 8.10	+13 5.7	1.438	2.368	10.7	22.0
3 12	9 2.19	+13 28.8	1.529	2.393	14.7	22.3

64042 2001 SE_{234} 2 9.4 40°.06 3°.1/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.61	+19 40.6	1.595	2.402	16.5	19.3
1 12	9 52.09	+20 25.0	1.525	2.410	12.8	19.1
1 22	9 45.70	+21 18.0	1.477	2.419	8.6	18.9
2 1	9 37.11	+22 12.5	1.453	2.428	4.4	18.6
2 11	9 27.47	+23 0.6	1.457	2.437	3.6	18.6
2 21	9 18.10	+23 35.7	1.488	2.446	7.3	18.8
3 2	9 10.30	+23 54.0	1.545	2.456	11.5	19.1
3 12	9 4.99	+23 55.0	1.624	2.466	15.1	19.4

160734 2000 RS_{23} 2 9.4 109°.04 0°.6/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.52	+11 7.9	1.752	2.525	16.6	20.3
1 12	9 54.67	+11 22.4	1.680	2.543	13.1	20.1
1 22	9 47.19	+11 50.7	1.629	2.560	9.0	19.9
2 1	9 37.73	+12 28.9	1.604	2.577	4.3	19.7
2 11	9 27.37	+13 11.7	1.608	2.594	0.9	19.4
2 21	9 17.30	+13 53.4	1.640	2.610	5.3	19.8
3 2	9 8.68	+14 28.9	1.700	2.625	9.7	20.1
3 12	9 2.38	+14 55.0	1.785	2.640	13.4	20.3

47813 2000 EK_{84} 2 9.4 323°.77 1°.5/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.03	+16 35.7	2.024	2.814	14.1	18.5
1 12	9 49.55	+17 8.9	1.934	2.810	11.0	18.3
1 22	9 43.77	+17 51.4	1.866	2.805	7.4	18.0
2 1	9 36.18	+18 38.9	1.825	2.801	3.5	17.8
2 11	9 27.65	+19 25.4	1.813	2.797	1.9	17.7
2 21	9 19.18	+20 5.5	1.829	2.793	5.6	17.9
3 2	9 11.79	+20 35.2	1.873	2.789	9.5	18.1
3 12	9 6.33	+20 52.1	1.942	2.786	12.9	18.3

89676 2001 YA_{46} 2 9.4 132°.03 2°.8/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.08	+18 48.0	1.805	2.594	15.6	20.6
1 12	9 55.22	+19 43.4	1.733	2.608	12.1	20.4
1 22	9 47.64	+20 47.5	1.683	2.621	8.1	20.2
2 1	9 37.99	+21 53.7	1.660	2.634	4.1	20.0
2 11	9 27.34	+22 53.8	1.666	2.645	3.3	19.9
2 21	9 16.94	+23 41.3	1.701	2.656	6.8	20.2
3 2	9 8.01	+24 12.3	1.763	2.667	10.8	20.4
3 12	9 1.44	+24 26.1	1.849	2.677	14.2	20.7

214292 2005 GX_{215} 2 9.4 314°.79 1°.7/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.49	+ 9 32.5	1.477	2.268	18.3	20.7
1 12	9 50.85	+ 9 29.6	1.382	2.254	14.8	20.4
1 22	9 45.21	+ 9 43.7	1.307	2.241	10.4	20.1
2 1	9 37.07	+10 13.3	1.256	2.228	5.5	19.8
2 11	9 27.49	+10 53.7	1.230	2.215	1.8	19.5
2 21	9 17.82	+11 38.5	1.230	2.203	6.2	19.7
3 2	9 9.53	+12 20.9	1.256	2.191	11.3	20.0
3 12	9 3.80	+12 55.1	1.304	2.180	16.0	20.2

117263 2004 SB_{58} 2 9.4 146°.98 3°.7/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 1.64	+22 20.5	1.917	2.706	14.8	20.5
1 12	9 56.35	+23 12.7	1.842	2.716	11.6	20.3
1 22	9 48.37	+24 10.2	1.791	2.726	7.9	20.1
2 1	9 38.33	+25 5.9	1.766	2.736	4.5	19.9
2 11	9 27.29	+25 52.1	1.771	2.744	4.2	19.9
2 21	9 16.50	+26 23.4	1.804	2.752	7.3	20.1
3 2	9 7.16	+26 37.1	1.866	2.759	10.8	20.3
3 12	9 0.17	+26 33.6	1.950	2.765	14.1	20.6

87635 2000 RW_{66} 2 9.4 95°.55 3°.8/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 53.80	+ 1 11.3	2.065	2.797	15.7	20.0
1 12	9 49.85	+ 1 15.6	1.985	2.813	12.9	19.8
1 22	9 43.78	+ 1 38.7	1.927	2.830	9.6	19.6
2 1	9 36.12	+ 2 19.6	1.893	2.846	6.2	19.4
2 11	9 27.71	+ 3 15.0	1.888	2.862	3.9	19.3
2 21	9 19.46	+ 4 19.6	1.912	2.878	5.1	19.4
3 2	9 12.29	+ 5 27.4	1.964	2.893	8.3	19.6
3 12	9 6.93	+ 6 32.6	2.042	2.908	11.5	19.9

49076 1998 RB_{59} 2 9.4 92°.82 1°.7/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.13	+ 8 9.0	1.772	2.540	16.6	19.7
1 12	9 52.05	+ 8 19.0	1.696	2.553	13.3	19.5
1 22	9 45.46	+ 8 45.0	1.640	2.567	9.3	19.2
2 1	9 36.96	+ 9 24.4	1.610	2.580	4.9	19.0
2 11	9 27.55	+10 12.4	1.608	2.593	1.7	18.8
2 21	9 18.35	+11 3.1	1.635	2.606	5.2	19.1
3 2	9 10.48	+11 50.7	1.689	2.619	9.4	19.3
3 12	9 4.78	+12 30.7	1.768	2.631	13.1	19.6

304929 2007 RF_{321} 2 9.4 41°.89 4°.1/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.40	+ 3 8.0	1.454	2.224	19.6	20.3
1 12	9 50.52	+ 3 2.9	1.378	2.231	16.0	20.1
1 22	9 44.77	+ 3 21.2	1.320	2.238	11.8	19.9
2 1	9 36.75	+ 4 2.3	1.284	2.245	7.3	19.6
2 11	9 27.58	+ 5 1.9	1.274	2.253	4.2	19.5
2 21	9 18.57	+ 6 12.7	1.291	2.261	6.3	19.6
3 2	9 11.05	+ 7 26.0	1.333	2.270	10.7	19.9
3 12	9 6.02	+ 8 33.9	1.398	2.279	14.8	20.1

382813 2003 UA_{239} 2 9.4 86°.22 4°.6/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.35	− 0 47.0	2.164	2.886	15.3	21.3
1 12	9 48.69	− 0 56.9	2.079	2.897	12.8	21.2
1 22	9 42.99	− 0 48.4	2.014	2.907	9.8	21.0
2 1	9 35.76	− 0 21.3	1.974	2.917	6.8	20.8
2 11	9 27.77	+ 0 22.1	1.961	2.928	4.7	20.7
2 21	9 19.90	+ 1 17.6	1.977	2.938	5.5	20.8
3 2	9 13.00	+ 2 19.8	2.021	2.948	8.2	20.9
3 12	9 7.80	+ 3 22.7	2.091	2.958	11.2	21.2

256249 2006 WC_{28} 2 9.4 337°.66 3°.6/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.06	+19 18.2	1.367	2.191	17.8	19.6
1 12	9 49.28	+20 9.1	1.283	2.178	14.0	19.3
1 22	9 44.31	+21 12.5	1.219	2.165	9.5	19.0
2 1	9 36.69	+22 20.9	1.178	2.154	5.0	18.7
2 11	9 27.58	+23 24.4	1.163	2.143	4.2	18.7
2 21	9 18.48	+24 13.6	1.173	2.133	8.6	18.9
3 2	9 10.95	+24 42.5	1.207	2.125	13.4	19.1
3 12	9 6.23	+24 49.1	1.261	2.117	17.8	19.4

83767 2001 TZ_{160} 2 9.4 238°.79 4°.8/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 50.51	− 2 44.1	2.484	3.189	14.0	20.0
1 12	9 47.10	− 2 50.3	2.380	3.184	11.8	19.8
1 22	9 41.88	− 2 39.0	2.298	3.180	9.3	19.6
2 1	9 35.25	− 2 9.5	2.240	3.175	6.7	19.5
2 11	9 27.87	− 1 23.5	2.209	3.170	4.9	19.3
2 21	9 20.47	− 0 24.2	2.208	3.165	5.4	19.4
3 2	9 13.84	+ 0 43.2	2.236	3.160	7.7	19.5
3 12	9 8.66	+ 1 53.2	2.290	3.155	10.4	19.7

86660 2000 EH_{200} 2 9.4 256°.14 2°.4/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.53	+ 8 12.8	1.585	2.359	18.0	19.4
1 12	9 53.81	+ 8 2.3	1.488	2.348	14.6	19.1
1 22	9 47.11	+ 8 8.2	1.411	2.338	10.5	18.9
2 1	9 37.95	+ 8 29.6	1.358	2.326	5.8	18.6
2 11	9 27.36	+ 9 2.5	1.331	2.315	2.4	18.3
2 21	9 16.69	+ 9 41.7	1.332	2.304	6.0	18.5
3 2	9 7.35	+10 20.8	1.360	2.292	11.0	18.8
3 12	9 0.52	+10 54.6	1.411	2.280	15.4	19.0

256850 2008 CW_{180} 2 9.4 234°.97 2°.7/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.20	+ 7 52.6	1.806	2.569	16.5	20.4
1 12	9 53.01	+ 7 30.5	1.715	2.568	13.4	20.2
1 22	9 46.22	+ 7 22.1	1.645	2.567	9.6	20.0
2 1	9 37.39	+ 7 26.7	1.599	2.566	5.5	19.7
2 11	9 27.49	+ 7 41.6	1.582	2.564	2.7	19.5
2 21	9 17.65	+ 8 2.8	1.593	2.563	5.4	19.7
3 2	9 9.06	+ 8 25.9	1.631	2.561	9.6	19.9
3 12	9 2.65	+ 8 46.8	1.694	2.560	13.4	20.2

155609 2000 DJ_{83} 2 9.4 248°.79 2°.3/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.96	+18 47.2	1.586	2.382	17.1	20.0
1 12	9 56.61	+19 8.0	1.493	2.372	13.5	19.7
1 22	9 49.05	+19 37.7	1.422	2.361	9.2	19.4
2 1	9 38.87	+20 10.5	1.376	2.351	4.5	19.1
2 11	9 27.21	+20 39.2	1.357	2.340	2.8	19.0
2 21	9 15.57	+20 57.4	1.365	2.328	7.2	19.2
3 2	9 5.48	+21 1.5	1.401	2.317	12.1	19.5
3 12	8 58.13	+20 50.5	1.458	2.305	16.3	19.7

447222 2005 UG_{15} 2 9.4 159°.78 3°.0/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	10 1.24	+19 29.3	1.785	2.574	15.7	22.5
1 12	9 56.28	+20 19.4	1.706	2.581	12.3	22.3
1 22	9 48.47	+21 18.1	1.649	2.587	8.3	22.0
2 1	9 38.45	+22 18.4	1.619	2.592	4.3	21.8
2 11	9 27.31	+23 12.3	1.618	2.597	3.4	21.7
2 21	9 16.37	+23 53.4	1.646	2.601	7.1	22.0
3 2	9 6.90	+24 17.8	1.701	2.604	11.1	22.2
3 12	8 59.88	+24 24.9	1.779	2.607	14.7	22.5

473955 2016 EF_{181} 2 9.4 176°.66 1°.8/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.51	+18 22.7	2.096	2.881	13.8	21.4
1 12	9 52.14	+18 47.7	2.009	2.882	10.8	21.2
1 22	9 45.45	+19 19.5	1.945	2.882	7.2	21.0
2 1	9 36.97	+19 53.7	1.908	2.883	3.5	20.7
2 11	9 27.59	+20 24.9	1.900	2.883	2.2	20.6
2 21	9 18.34	+20 48.7	1.922	2.883	5.6	20.9
3 2	9 10.23	+21 1.8	1.971	2.883	9.4	21.1
3 12	9 4.09	+21 3.1	2.045	2.882	12.7	21.3

23161 2000 FS_{3} 2 9.4 78°.08 4°.8/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.12	+25 42.9	2.107	2.907	13.3	18.0
1 12	9 51.13	+26 53.9	2.039	2.918	10.4	17.8
1 22	9 44.77	+28 7.6	1.995	2.929	7.3	17.7
2 1	9 36.64	+29 16.7	1.978	2.940	5.1	17.5
2 11	9 27.66	+30 13.8	1.990	2.951	5.3	17.6
2 21	9 18.88	+30 53.7	2.030	2.962	7.7	17.7
3 2	9 11.32	+31 14.2	2.096	2.973	10.6	17.9
3 12	9 5.79	+31 15.7	2.186	2.983	13.3	18.1

256341 2006 XO_{31} 2 9.4 98°.36 0°.2/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.44	+12 45.5	1.822	2.604	15.7	21.3
1 12	9 51.58	+13 11.4	1.741	2.611	12.4	21.1
1 22	9 45.20	+13 50.1	1.682	2.617	8.4	20.9
2 1	9 36.89	+14 37.7	1.649	2.624	3.9	20.6
2 11	9 27.62	+15 28.1	1.644	2.630	0.8	20.4
2 21	9 18.50	+16 15.5	1.668	2.637	5.4	20.8
3 2	9 10.66	+16 54.7	1.719	2.643	9.7	21.0
3 12	9 4.96	+17 22.6	1.795	2.649	13.4	21.3

380065 2013 SE_{22} 2 9.4 206°.69 1°.5/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.81	+ 8 16.6	2.139	2.899	14.4	21.8
1 12	9 49.98	+ 8 29.1	2.044	2.897	11.5	21.6
1 22	9 43.99	+ 8 55.4	1.970	2.895	8.1	21.3
2 1	9 36.31	+ 9 33.6	1.923	2.892	4.3	21.1
2 11	9 27.73	+10 19.6	1.904	2.889	1.5	20.9
2 21	9 19.18	+11 8.5	1.915	2.886	4.6	21.1
3 2	9 11.61	+11 55.6	1.955	2.883	8.4	21.3
3 12	9 5.82	+12 36.5	2.020	2.879	11.9	21.5

510025 2010 BX_{99} 2 9.4 189°.71 7°.8/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.15	+43 55.6	3.077	3.842	10.3	21.8
1 12	9 54.13	+45 33.5	3.014	3.840	9.0	21.7
1 22	9 46.79	+47 3.8	2.977	3.839	8.1	21.7
2 1	9 37.63	+48 19.5	2.966	3.836	7.9	21.6
2 11	9 27.48	+49 14.6	2.983	3.834	8.5	21.7
2 21	9 17.35	+49 46.1	3.026	3.831	9.7	21.8
3 2	9 8.26	+49 53.5	3.091	3.827	11.1	21.9
3 12	9 1.06	+49 39.2	3.177	3.824	12.4	22.0

375519 2008 UT_{133} 2 9.4 111°.19 0°.2/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.54	+12 20.0	2.319	3.086	13.2	21.5
1 12	9 50.25	+12 39.7	2.237	3.098	10.4	21.4
1 22	9 43.97	+13 9.3	2.179	3.110	7.0	21.2
2 1	9 36.22	+13 45.8	2.148	3.122	3.3	21.0
2 11	9 27.76	+14 25.0	2.147	3.133	0.6	20.7
2 21	9 19.46	+15 2.5	2.176	3.144	4.3	21.1
3 2	9 12.16	+15 34.7	2.234	3.155	7.9	21.3
3 12	9 6.54	+15 59.0	2.318	3.166	11.0	21.5

251006 2006 PO_{12} 2 9.4 239°.75 1°.0/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.44	+10 38.8	1.942	2.710	15.4	21.1
1 12	9 53.18	+10 43.0	1.839	2.698	12.3	20.8
1 22	9 46.39	+11 0.1	1.757	2.686	8.6	20.6
2 1	9 37.53	+11 27.7	1.701	2.673	4.3	20.3
2 11	9 27.50	+12 1.8	1.674	2.660	1.1	20.0
2 21	9 17.40	+12 37.5	1.676	2.646	5.2	20.3
3 2	9 8.39	+13 9.9	1.706	2.632	9.6	20.5
3 12	9 1.45	+13 35.3	1.761	2.618	13.5	20.7

239255 2006 UA_{333} 2 9.5 223°.46 0°.9/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.18	+14 28.7	2.795	3.565	11.1	21.4
1 12	9 47.48	+15 16.6	2.693	3.558	8.7	21.2
1 22	9 42.08	+16 13.6	2.617	3.551	5.8	21.0
2 1	9 35.36	+17 16.0	2.568	3.544	2.7	20.8
2 11	9 27.93	+18 19.3	2.551	3.536	1.2	20.6
2 21	9 20.48	+19 18.8	2.565	3.528	4.3	20.9
3 2	9 13.73	+20 10.8	2.608	3.520	7.4	21.0
3 12	9 8.33	+20 52.4	2.678	3.511	10.1	21.2

399472 2002 RR_{136} 2 9.5 112°.93 0°.7/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 57.42	+12 47.5	2.118	2.886	14.3	22.2
1 12	9 52.63	+13 41.0	2.047	2.909	11.1	22.1
1 22	9 45.63	+14 46.2	1.999	2.932	7.4	21.9
2 1	9 37.01	+15 58.3	1.979	2.954	3.4	21.7
2 11	9 27.64	+17 10.8	1.989	2.975	1.1	21.5
2 21	9 18.49	+18 17.5	2.030	2.995	5.0	21.8
3 2	9 10.52	+19 13.6	2.100	3.014	8.7	22.1
3 12	9 4.45	+19 56.4	2.196	3.033	11.9	22.3

446869 2001 XJ_{102} 2 9.5 48°.18 8°.6/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.51	+28 50.7	1.209	2.038	19.4	20.6
1 12	9 56.18	+30 30.8	1.163	2.056	15.4	20.4
1 22	9 48.96	+32 11.4	1.138	2.074	11.4	20.3
2 1	9 38.77	+33 38.2	1.136	2.092	8.8	20.2
2 11	9 27.32	+34 38.0	1.158	2.112	9.4	20.3
2 21	9 16.53	+35 3.9	1.205	2.131	12.4	20.5
3 2	9 8.13	+34 56.0	1.273	2.151	15.9	20.8
3 12	9 3.17	+34 19.8	1.360	2.171	19.2	21.0

431917 2008 TP_{64} 2 9.5 95°.10 2°.9/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.82	+22 4.5	2.310	3.094	12.7	22.1
1 12	9 52.78	+22 45.6	2.245	3.117	9.8	22.0
1 22	9 45.64	+23 30.2	2.203	3.139	6.7	21.8
2 1	9 36.97	+24 12.9	2.190	3.161	3.7	21.7
2 11	9 27.66	+24 48.3	2.207	3.182	3.3	21.7
2 21	9 18.63	+25 12.6	2.254	3.203	5.9	21.9
3 2	9 10.79	+25 23.7	2.329	3.224	8.9	22.1
3 12	9 4.80	+25 21.6	2.429	3.244	11.6	22.3

310746 2002 QF_{128} 2 9.5 337°.48 1°.3/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.92	+14 18.0	1.394	2.205	18.2	20.3
1 12	9 49.78	+14 54.7	1.310	2.197	14.4	20.0
1 22	9 44.57	+15 47.8	1.245	2.189	9.7	19.7
2 1	9 36.81	+16 52.2	1.204	2.181	4.5	19.4
2 11	9 27.65	+17 59.3	1.189	2.174	1.8	19.2
2 21	9 18.51	+19 0.1	1.200	2.168	7.1	19.5
3 2	9 10.88	+19 47.2	1.236	2.163	12.2	19.8
3 12	9 5.94	+20 16.8	1.293	2.159	16.8	20.0

63897 Ofunato 2 9.5 88°.89 4°.2/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 2.20	+21 52.0	1.495	2.298	17.6	19.2
1 12	9 57.34	+22 46.3	1.436	2.319	13.7	19.0
1 22	9 49.27	+23 47.1	1.399	2.339	9.3	18.8
2 1	9 38.81	+24 45.6	1.387	2.358	5.2	18.6
2 11	9 27.32	+25 32.5	1.402	2.378	4.7	18.6
2 21	9 16.33	+26 1.4	1.445	2.397	8.3	18.9
3 2	9 7.24	+26 10.0	1.513	2.415	12.3	19.2
3 12	9 1.03	+25 59.5	1.603	2.433	15.9	19.4

63695 2001 QM_{168} 2 9.5 93°.99 3°.1/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 1.99	+20 7.9	1.543	2.342	17.4	18.9
1 12	9 57.08	+20 44.3	1.479	2.359	13.5	18.7
1 22	9 49.06	+21 28.1	1.435	2.375	9.1	18.5
2 1	9 38.72	+22 12.0	1.417	2.391	4.6	18.3
2 11	9 27.34	+22 48.2	1.427	2.407	3.5	18.2
2 21	9 16.40	+23 10.7	1.464	2.423	7.4	18.5
3 2	9 7.26	+23 16.7	1.528	2.438	11.7	18.8
3 12	9 0.89	+23 6.7	1.614	2.453	15.4	19.0

196685 2003 SB_{65} 2 9.5 156°.14 0°.5/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.74	+14 26.5	2.288	3.062	13.2	20.9
1 12	9 50.53	+14 49.4	2.199	3.065	10.3	20.7
1 22	9 44.25	+15 21.3	2.134	3.068	6.9	20.5
2 1	9 36.40	+15 58.8	2.096	3.071	3.2	20.3
2 11	9 27.76	+16 37.2	2.088	3.074	0.9	20.1
2 21	9 19.21	+17 12.3	2.110	3.076	4.7	20.4
3 2	9 11.66	+17 40.3	2.160	3.078	8.3	20.6
3 12	9 5.84	+17 59.0	2.236	3.080	11.5	20.8

205310 2000 TH_{11} 2 9.5 62°.74 0°.0/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.21	+11 51.7	1.404	2.199	18.9	20.5
1 12	9 53.48	+12 18.4	1.342	2.218	14.9	20.3
1 22	9 46.71	+13 1.6	1.300	2.237	10.0	20.1
2 1	9 37.64	+13 56.3	1.282	2.257	4.7	19.8
2 11	9 27.54	+14 54.7	1.290	2.277	0.8	19.6
2 21	9 17.85	+15 48.9	1.326	2.296	6.2	20.0
3 2	9 9.90	+16 32.7	1.387	2.316	11.1	20.3
3 12	9 4.64	+17 2.7	1.472	2.336	15.2	20.6

369110 2008 KV_{25} 2 9.5 165°.46 2°.4/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.09	+ 5 13.6	1.985	2.740	15.5	21.8
1 12	9 49.58	+ 5 31.4	1.894	2.741	12.6	21.6
1 22	9 43.80	+ 6 6.9	1.823	2.742	9.0	21.4
2 1	9 36.26	+ 6 58.3	1.778	2.743	5.2	21.2
2 11	9 27.78	+ 8 1.2	1.762	2.744	2.4	21.0
2 21	9 19.35	+ 9 9.8	1.774	2.745	4.9	21.2
3 2	9 11.96	+10 17.8	1.815	2.746	8.7	21.4
3 12	9 6.46	+11 19.4	1.881	2.746	12.3	21.6

453320 2008 WG_{11} 2 9.5 41°.39 2°.5/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 56.15	+16 38.0	1.173	1.995	20.3	21.2
1 12	9 53.27	+17 22.9	1.118	2.011	15.8	20.9
1 22	9 46.88	+18 22.2	1.082	2.028	10.5	20.7
2 1	9 37.80	+19 27.4	1.068	2.045	5.0	20.4
2 11	9 27.52	+20 28.1	1.080	2.064	3.0	20.3
2 21	9 17.76	+21 15.3	1.117	2.083	8.0	20.7
3 2	9 10.08	+21 43.7	1.178	2.102	13.0	21.0
3 12	9 5.51	+21 52.3	1.259	2.122	17.3	21.3

400811 2010 GF_{153} 2 9.5 171°.34 2°.0/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.08	+16 37.7	2.295	3.070	13.1	22.1
1 12	9 52.45	+17 47.0	2.207	3.075	10.2	21.9
1 22	9 45.62	+19 6.4	2.143	3.079	6.8	21.7
2 1	9 37.08	+20 30.1	2.108	3.082	3.3	21.5
2 11	9 27.64	+21 51.3	2.104	3.084	2.5	21.4
2 21	9 18.23	+23 3.5	2.130	3.086	5.7	21.6
3 2	9 9.82	+24 1.9	2.187	3.087	9.2	21.9
3 12	9 3.21	+24 44.5	2.268	3.086	12.2	22.1

278464 2007 TB_{164} 2 9.5 233°.59 0°.9/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.31	+10 1.4	1.946	2.711	15.4	22.1
1 12	9 53.12	+10 18.4	1.840	2.699	12.4	21.8
1 22	9 46.38	+10 49.9	1.757	2.685	8.6	21.6
2 1	9 37.57	+11 33.3	1.700	2.671	4.3	21.3
2 11	9 27.54	+12 24.1	1.671	2.657	1.0	21.0
2 21	9 17.40	+13 16.3	1.672	2.642	5.2	21.3
3 2	9 8.32	+14 4.3	1.701	2.626	9.7	21.5
3 12	9 1.30	+14 43.7	1.755	2.609	13.6	21.7

135458 2001 VD_{53} 2 9.5 69°.83 3°.2/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.13	+ 4 14.6	2.339	3.078	13.9	19.5
1 12	9 49.16	+ 3 57.3	2.250	3.084	11.3	19.3
1 22	9 43.26	+ 3 53.4	2.182	3.091	8.3	19.1
2 1	9 35.92	+ 4 2.4	2.141	3.098	5.2	18.9
2 11	9 27.87	+ 4 22.4	2.128	3.104	3.2	18.8
2 21	9 19.91	+ 4 50.2	2.145	3.111	4.6	18.9
3 2	9 12.86	+ 5 21.9	2.190	3.118	7.6	19.1
3 12	9 7.41	+ 5 53.5	2.262	3.125	10.6	19.3

113792 2002 TX_{195} 2 9.5 177°.76 3°.4/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.51	+21 57.3	2.102	2.890	13.7	20.3
1 12	9 53.80	+22 47.3	2.018	2.892	10.7	20.1
1 22	9 46.64	+23 42.6	1.957	2.893	7.3	19.9
2 1	9 37.58	+24 37.2	1.924	2.894	4.2	19.7
2 11	9 27.56	+25 24.3	1.920	2.894	3.8	19.7
2 21	9 17.65	+25 58.6	1.945	2.894	6.8	19.9
3 2	9 8.94	+26 17.0	1.998	2.893	10.2	20.1
3 12	9 2.31	+26 19.3	2.076	2.892	13.3	20.3

122515 2000 QX_{203} 2 9.5 204°.29 3°.1/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.74	+20 52.0	1.889	2.678	15.0	20.7
1 12	9 55.88	+21 32.3	1.799	2.674	11.8	20.4
1 22	9 48.25	+22 19.4	1.732	2.669	8.0	20.2
2 1	9 38.41	+23 7.1	1.692	2.664	4.3	20.0
2 11	9 27.40	+23 48.0	1.680	2.658	3.6	19.9
2 21	9 16.46	+24 16.4	1.698	2.652	7.0	20.1
3 2	9 6.87	+24 29.0	1.743	2.645	11.0	20.3
3 12	8 59.62	+24 25.2	1.811	2.637	14.5	20.5

184018 2004 FP_{33} 2 9.5 138°.57 0°.8/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 1.91	+16 45.0	2.175	2.944	13.9	19.8
1 12	9 56.09	+16 49.2	2.093	2.956	10.9	19.6
1 22	9 47.97	+16 59.7	2.034	2.967	7.3	19.4
2 1	9 38.12	+17 12.9	2.003	2.978	3.4	19.2
2 11	9 27.48	+17 24.7	2.003	2.988	1.2	19.1
2 21	9 17.09	+17 31.7	2.033	2.998	5.0	19.3
3 2	9 7.94	+17 31.6	2.092	3.007	8.7	19.6
3 12	9 0.80	+17 23.5	2.178	3.015	12.0	19.8

228266 1999 TZ_{195} 2 9.5 144°.09 2°.1/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 1.36	+ 8 5.6	1.745	2.503	17.2	21.0
1 12	9 56.25	+ 8 2.7	1.663	2.515	13.8	20.8
1 22	9 48.40	+ 8 15.3	1.602	2.525	9.8	20.6
2 1	9 38.43	+ 8 41.5	1.567	2.535	5.3	20.3
2 11	9 27.42	+ 9 16.9	1.560	2.544	2.1	20.1
2 21	9 16.60	+ 9 56.2	1.583	2.553	5.5	20.4
3 2	9 7.21	+10 34.0	1.633	2.560	9.8	20.6
3 12	9 0.19	+11 6.0	1.708	2.567	13.7	20.9

458279 2010 UB_{55} 2 9.5 125°.14 1°.2/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.51	+16 0.4	2.150	2.924	13.9	22.4
1 12	9 53.49	+16 33.4	2.074	2.941	10.8	22.2
1 22	9 46.24	+17 14.9	2.022	2.957	7.2	22.0
2 1	9 37.32	+18 0.2	1.997	2.972	3.3	21.8
2 11	9 27.63	+18 43.9	2.003	2.987	1.6	21.7
2 21	9 18.17	+19 21.3	2.038	3.001	5.2	22.0
3 2	9 9.89	+19 48.8	2.102	3.015	8.8	22.2
3 12	9 3.55	+20 4.8	2.192	3.028	12.0	22.4

134910 2000 YL_{39} 2 9.5 317°.49 0°.3/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 51.38	+10 26.0	1.426	2.227	18.4	19.4
1 12	9 49.36	+10 56.4	1.333	2.212	14.7	19.1
1 22	9 44.33	+11 47.4	1.260	2.198	10.2	18.8
2 1	9 36.76	+12 55.3	1.209	2.185	4.9	18.4
2 11	9 27.71	+14 13.0	1.185	2.172	0.8	18.1
2 21	9 18.54	+15 31.1	1.187	2.159	6.5	18.4
3 2	9 10.75	+16 40.6	1.214	2.147	11.9	18.7
3 12	9 5.55	+17 34.9	1.263	2.136	16.6	18.9

214432 2005 QA_{57} 2 9.5 191°.97 1°.0/10.5 17

1 2	9 51.23	+ 9 3.2	2.894	3.644	11.2	21.8
1 12	9 47.38	+ 9 23.2	2.794	3.643	8.9	21.6
1 22	9 41.94	+ 9 53.4	2.718	3.641	6.2	21.5
2 1	9 35.29	+10 31.7	2.669	3.639	3.2	21.3
2 11	9 28.02	+11 15.1	2.651	3.637	1.0	21.1
2 21	9 20.77	+12 0.0	2.665	3.634	3.5	21.3
3 2	9 14.21	+12 42.9	2.708	3.632	6.5	21.5
3 12	9 8.92	+13 20.7	2.778	3.629	9.3	21.6

191952 2005 UF_{117} 2 9.5 145°.06 3°.9/ 6.8 18

1 2	10 2.83	+22 15.2	1.839	2.627	15.4	21.3
1 12	9 57.42	+23 12.1	1.765	2.640	12.0	21.1
1 22	9 49.20	+24 14.8	1.715	2.651	8.2	20.9
2 1	9 38.81	+25 15.5	1.692	2.662	4.7	20.7
2 11	9 27.38	+26 6.1	1.698	2.672	4.4	20.7
2 21	9 16.22	+26 40.8	1.733	2.681	7.5	20.9
3 2	9 6.59	+26 56.7	1.796	2.689	11.2	21.1
3 12	8 59.44	+26 54.3	1.881	2.696	14.5	21.3

215093 6823 *P–L* 2 9.5 124°.23 0°.0/ 9.3 18

1 2	9 57.86	+12 3.4	1.974	2.744	15.1	21.4
1 12	9 53.19	+12 32.9	1.896	2.759	11.9	21.2
1 22	9 46.15	+13 14.8	1.842	2.774	8.0	21.0
2 1	9 37.33	+14 5.1	1.814	2.788	3.8	20.8
2 11	9 27.65	+14 58.1	1.815	2.801	0.7	20.6
2 21	9 18.18	+15 48.2	1.846	2.814	5.0	20.9
3 2	9 9.95	+16 30.6	1.906	2.827	9.0	21.2
3 12	9 3.77	+17 2.3	1.990	2.838	12.5	21.4

234170 2000 LG_{22} 2 9.5 331°.40 0°.0/ 9.3 18

1 2	9 53.00	+10 34.4	1.372	2.173	19.0	20.2
1 12	9 50.65	+11 17.1	1.289	2.168	15.1	20.0
1 22	9 45.17	+12 21.3	1.225	2.164	10.3	19.7
2 1	9 37.14	+13 42.4	1.185	2.161	4.9	19.4
2 11	9 27.67	+15 11.5	1.171	2.157	0.9	19.1
2 21	9 18.22	+16 38.1	1.183	2.154	6.7	19.4
3 2	9 10.30	+17 52.8	1.221	2.152	12.1	19.7
3 12	9 5.10	+18 49.7	1.280	2.149	16.7	20.0

53840 2000 EE_{200} 2 9.5 158°.43 3°.4/11.4 18

1 2	9 59.64	+ 5 53.6	1.678	2.434	17.9	19.4
1 12	9 55.10	+ 5 33.3	1.592	2.439	14.5	19.2
1 22	9 47.76	+ 5 29.8	1.526	2.443	10.6	18.9
2 1	9 38.20	+ 5 42.5	1.484	2.447	6.3	18.7
2 11	9 27.49	+ 6 8.6	1.470	2.450	3.4	18.5
2 21	9 16.89	+ 6 43.3	1.484	2.453	5.9	18.7
3 2	9 7.69	+ 7 20.9	1.525	2.455	10.2	18.9
3 12	9 0.87	+ 7 56.0	1.591	2.457	14.1	19.2

276283 2002 TQ_{12} 2 9.5 157°.76 1°.4/ 8.1 17

1 2	9 54.55	+17 35.7	2.809	3.580	11.0	21.9
1 12	9 49.99	+18 10.5	2.721	3.587	8.6	21.7
1 22	9 43.70	+18 51.2	2.659	3.593	5.7	21.6
2 1	9 36.12	+19 34.0	2.625	3.599	2.7	21.4
2 11	9 27.90	+20 14.8	2.622	3.605	1.7	21.3
2 21	9 19.78	+20 49.9	2.650	3.610	4.4	21.5
3 2	9 12.47	+21 16.5	2.708	3.614	7.4	21.7
3 12	9 6.60	+21 33.2	2.793	3.618	10.0	21.9

337465 2001 RR_{131} 2 9.5 163°.66 0°.3/ 9.2 17

1 2	9 52.90	+13 27.2	2.771	3.535	11.3	21.8
1 12	9 48.74	+13 56.0	2.679	3.540	8.9	21.6
1 22	9 42.88	+14 33.0	2.612	3.543	6.0	21.4
2 1	9 35.75	+15 15.3	2.572	3.547	2.8	21.2
2 11	9 27.98	+15 59.1	2.564	3.550	0.7	21.0
2 21	9 20.27	+16 40.5	2.586	3.553	3.9	21.3
3 2	9 13.34	+17 16.3	2.638	3.555	7.0	21.5
3 12	9 7.79	+17 44.1	2.717	3.557	9.8	21.7

211799 2004 CL_{120} 2 9.5 266°.57 0°.3/ 9.8 17

1 2	9 50.91	+10 13.9	2.373	3.140	13.0	20.8
1 12	9 47.62	+10 54.4	2.271	3.131	10.3	20.6
1 22	9 42.38	+11 48.2	2.191	3.121	7.0	20.4
2 1	9 35.61	+12 52.2	2.138	3.112	3.4	20.1
2 11	9 27.99	+14 1.6	2.116	3.102	0.6	19.9
2 21	9 20.34	+15 10.9	2.123	3.093	4.4	20.2
3 2	9 13.50	+16 14.9	2.160	3.083	8.0	20.4
3 12	9 8.20	+17 9.4	2.223	3.073	11.3	20.6

277814 2006 FJ_{54} 2 9.5 280°.08 0°.1/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 53.89	+13 13.7	2.098	2.876	14.1	21.5
1 12	9 50.14	+13 32.4	2.006	2.873	11.1	21.3
1 22	9 44.16	+14 1.7	1.936	2.870	7.5	21.1
2 1	9 36.45	+14 38.5	1.893	2.868	3.5	20.8
2 11	9 27.84	+15 18.1	1.878	2.865	0.7	20.6
2 21	9 19.29	+15 55.6	1.893	2.862	4.9	20.9
3 2	9 11.77	+16 26.8	1.936	2.859	8.8	21.1
3 12	9 6.10	+16 48.9	2.004	2.857	12.3	21.3

170429 2003 UP_{95} 2 9.5 24°.70 1°.5/10.4 18

1 2	9 53.18	+ 9 26.2	1.297	2.099	19.9	20.0
1 12	9 50.70	+ 9 31.5	1.228	2.106	15.8	19.7
1 22	9 45.09	+ 9 56.3	1.178	2.114	11.0	19.5
2 1	9 37.02	+10 37.5	1.150	2.123	5.6	19.2
2 11	9 27.74	+11 28.7	1.147	2.133	1.6	18.9
2 21	9 18.73	+12 22.1	1.170	2.144	6.3	19.3
3 2	9 11.42	+13 10.1	1.218	2.155	11.4	19.6
3 12	9 6.84	+13 47.1	1.287	2.167	15.9	19.9

7816 Hanoi 2 9.5 70°.33 1°.8/10.6 18 R

1 2	10 1.59	+ 8 8.6	1.402	2.178	19.9	18.4
1 12	9 56.64	+ 8 22.2	1.350	2.212	15.7	18.2
1 22	9 48.66	+ 8 55.0	1.318	2.247	10.9	18.0
2 1	9 38.51	+ 9 42.9	1.310	2.281	5.6	17.8
2 11	9 27.52	+10 39.1	1.329	2.314	1.8	17.7
2 21	9 17.14	+11 35.7	1.376	2.347	5.9	18.0
3 2	9 8.65	+12 26.2	1.449	2.380	10.5	18.4
3 12	9 2.90	+13 6.1	1.546	2.412	14.5	18.7

207928 2008 WV_{68} 2 9.5 157°.50 0°.4/ 9.1 18

1 2	9 53.64	+13 47.5	2.444	3.214	12.5	21.1
1 12	9 49.57	+14 17.9	2.354	3.218	9.8	20.9
1 22	9 43.57	+14 57.6	2.288	3.222	6.6	20.7
2 1	9 36.12	+15 43.1	2.250	3.225	3.0	20.5
2 11	9 27.92	+16 30.0	2.242	3.228	0.8	20.3
2 21	9 19.81	+17 13.7	2.265	3.231	4.4	20.6
3 2	9 12.60	+17 50.6	2.316	3.234	7.8	20.8
3 12	9 6.97	+18 18.1	2.394	3.236	10.9	21.0

169515 2002 *EN* 2 9.5 318°.15 0°.4/ 9.3 18

1 2	9 54.47	+14 26.6	1.336	2.146	18.9	19.8
1 12	9 52.10	+14 31.3	1.242	2.128	15.1	19.4
1 22	9 46.39	+14 50.0	1.168	2.110	10.4	19.1
2 1	9 37.82	+15 19.1	1.117	2.093	4.9	18.8
2 11	9 27.57	+15 52.1	1.091	2.077	1.1	18.4
2 21	9 17.19	+16 21.9	1.090	2.061	7.1	18.8
3 2	9 8.37	+16 42.4	1.113	2.046	12.7	19.0
3 12	9 2.45	+16 49.9	1.158	2.032	17.7	19.3

236086 2005 KW_{11} 2 9.5 239°.40 0°.7/ 8.8 17

1 2	9 53.24	+15 8.7	2.841	3.608	11.0	21.8
1 12	9 49.10	+15 36.9	2.731	3.594	8.6	21.7
1 22	9 43.22	+16 12.5	2.646	3.579	5.8	21.4
2 1	9 35.96	+16 52.8	2.589	3.564	2.7	21.2
2 11	9 27.96	+17 33.7	2.563	3.548	1.0	21.0
2 21	9 19.90	+18 11.6	2.568	3.532	4.2	21.3
3 2	9 12.55	+18 43.2	2.602	3.515	7.3	21.4
3 12	9 6.55	+19 6.3	2.663	3.498	10.1	21.6

412150 2013 GF_{71} 2 9.5 326°.04 3°.4/11.5 18

1 2	9 50.64	+ 5 41.9	1.324	2.116	20.0	20.9
1 12	9 48.97	+ 5 34.3	1.232	2.101	16.4	20.6
1 22	9 44.19	+ 5 49.4	1.158	2.087	12.0	20.3
2 1	9 36.77	+ 6 27.3	1.105	2.073	7.0	20.0
2 11	9 27.78	+ 7 24.1	1.077	2.060	3.4	19.8
2 21	9 18.66	+ 8 32.3	1.074	2.048	6.7	19.9
3 2	9 10.97	+ 9 42.6	1.095	2.036	11.9	20.2
3 12	9 5.98	+10 46.3	1.138	2.026	16.9	20.4

131235 2001 DA_{109} 2 9.5 4°.54 1°.6/ 8.4 18

1 2	9 53.94	+16 56.0	1.760	2.558	15.5	20.1
1 12	9 50.62	+17 22.6	1.678	2.558	12.2	19.9
1 22	9 44.70	+17 59.0	1.618	2.558	8.2	19.7
2 1	9 36.77	+18 40.1	1.583	2.559	3.8	19.4
2 11	9 27.82	+19 19.7	1.576	2.560	2.0	19.3
2 21	9 19.00	+19 52.1	1.597	2.562	6.1	19.5
3 2	9 11.49	+20 13.1	1.645	2.564	10.3	19.8
3 12	9 6.19	+20 20.8	1.715	2.567	14.0	20.0

245190 2004 TA_{283} 2 9.5 121°.15 3°.1/ 7.2 18

1 2	10 2.24	+20 42.6	1.918	2.702	15.0	21.2
1 12	9 56.72	+21 34.2	1.850	2.723	11.6	21.0
1 22	9 48.58	+22 31.9	1.806	2.742	7.8	20.8
2 1	9 38.49	+23 28.7	1.790	2.761	4.2	20.6
2 11	9 27.53	+24 17.4	1.803	2.780	3.6	20.6
2 21	9 16.90	+24 52.6	1.845	2.797	6.8	20.9
3 2	9 7.76	+25 11.5	1.915	2.813	10.4	21.1
3 12	9 0.92	+25 14.2	2.010	2.829	13.5	21.4

244679 2003 OC_8 2 9.5 166°.14 0°.0/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 59.27	+12 34.5	2.359	3.116	13.3	22.1
1 12	9 53.98	+12 58.3	2.268	3.123	10.5	21.9
1 22	9 46.57	+13 32.2	2.201	3.130	7.1	21.7
2 1	9 37.54	+14 12.7	2.162	3.135	3.3	21.5
2 11	9 27.69	+14 55.5	2.153	3.140	0.6	21.3
2 21	9 17.94	+15 36.0	2.176	3.143	4.5	21.6
3 2	9 9.21	+16 10.5	2.229	3.146	8.1	21.8
3 12	9 2.24	+16 36.3	2.308	3.147	11.3	22.0

81144 2000 EX_{139} 2 9.5 207°.78 7°.1/ 4.0 18

1 2	9 59.94	+31 7.0	1.861	2.662	14.7	18.7
1 12	9 55.54	+32 23.7	1.786	2.661	11.9	18.5
1 22	9 48.16	+33 39.9	1.735	2.659	9.0	18.3
2 1	9 38.45	+34 46.0	1.709	2.657	7.2	18.2
2 11	9 27.53	+35 32.9	1.711	2.655	7.7	18.2
2 21	9 16.79	+35 54.9	1.740	2.653	10.1	18.4
3 2	9 7.60	+35 50.7	1.793	2.651	13.1	18.6
3 12	9 0.98	+35 22.8	1.868	2.648	15.9	18.7

496610 2015 FO_{133} 2 9.5 161°.10 6°.6/ 3.1 18

1 2	9 59.70	+35 29.0	2.551	3.335	11.7	21.6
1 12	9 54.52	+36 34.4	2.481	3.339	9.6	21.4
1 22	9 47.01	+37 35.3	2.435	3.342	7.7	21.3
2 1	9 37.76	+38 24.8	2.417	3.346	6.6	21.2
2 11	9 27.67	+38 56.8	2.426	3.349	7.1	21.3
2 21	9 17.78	+39 7.9	2.464	3.351	8.7	21.4
3 2	9 9.11	+38 57.7	2.528	3.354	10.8	21.5
3 12	9 2.43	+38 28.4	2.614	3.356	12.8	21.7

432902 2011 OZ_{40} 2 9.5 191°.53 3°.2/12.1 17

1 2	9 54.67	+ 3 49.6	2.696	3.420	12.6	21.6
1 12	9 50.16	+ 3 25.3	2.594	3.419	10.3	21.4
1 22	9 43.88	+ 3 12.4	2.515	3.417	7.7	21.2
2 1	9 36.26	+ 3 10.7	2.463	3.416	5.0	21.0
2 11	9 27.94	+ 3 19.0	2.441	3.414	3.2	20.9
2 21	9 19.65	+ 3 35.1	2.449	3.412	4.4	21.0
3 2	9 12.13	+ 3 55.9	2.486	3.410	7.1	21.2
3 12	9 6.02	+ 4 18.2	2.551	3.407	9.8	21.3

33669 1999 JU_{97} 2 9.5 246°.49 1°.0/10.5 17

1 2	9 50.77	+ 7 48.4	2.685	3.436	12.0	19.6
1 12	9 47.28	+ 8 26.0	2.575	3.424	9.6	19.4
1 22	9 42.04	+ 9 17.0	2.488	3.411	6.7	19.1
2 1	9 35.44	+10 18.9	2.429	3.399	3.5	18.9
2 11	9 28.08	+11 27.7	2.400	3.386	1.0	18.7
2 21	9 20.65	+12 38.8	2.403	3.373	3.8	18.9
3 2	9 13.91	+13 47.2	2.435	3.359	7.2	19.1
3 12	9 8.52	+14 48.8	2.494	3.346	10.2	19.3

400374 2007 WD_{58} 2 9.5 156°.64 1°.2/ 8.7 18

1 2	9 59.79	+16 26.2	1.880	2.662	15.3	21.4
1 12	9 54.97	+16 47.7	1.797	2.667	12.0	21.2
1 22	9 47.54	+17 18.3	1.736	2.672	8.1	21.0
2 1	9 38.08	+17 53.2	1.701	2.676	3.8	20.7
2 11	9 27.62	+18 26.8	1.695	2.680	1.6	20.6
2 21	9 17.32	+18 53.9	1.719	2.683	5.8	20.9
3 2	9 8.37	+19 10.8	1.770	2.686	9.9	21.1
3 12	9 1.65	+19 16.1	1.846	2.689	13.6	21.4

240290 2003 EY_{51} 2 9.5 286°.07 2°.6/ 7.9 18

1 2	9 56.11	+17 6.9	1.498	2.303	17.5	21.0
1 12	9 53.20	+17 52.0	1.398	2.282	13.8	20.7
1 22	9 47.07	+18 51.7	1.318	2.260	9.4	20.4
2 1	9 38.17	+19 59.9	1.263	2.239	4.6	20.1
2 11	9 27.56	+21 7.5	1.235	2.217	3.1	19.9
2 21	9 16.70	+22 5.1	1.233	2.195	7.9	20.1
3 2	9 7.23	+22 45.8	1.256	2.174	13.0	20.3
3 12	9 0.48	+23 6.4	1.301	2.152	17.6	20.6

443923 2002 RU_{25} 2 9.5 168°.53 9°.9/ 1.1 18 R

1 2	10 20.88	+46 44.0	2.462	3.197	13.4	22.9
1 12	10 11.62	+48 8.7	2.402	3.206	11.7	22.7
1 22	9 58.83	+49 20.7	2.366	3.213	10.4	22.7
2 1	9 43.36	+50 9.5	2.356	3.219	9.9	22.6
2 11	9 26.69	+50 27.4	2.374	3.223	10.4	22.7
2 21	9 10.60	+50 11.6	2.418	3.227	11.7	22.8
3 2	8 56.67	+49 25.0	2.487	3.228	13.3	22.9
3 12	8 45.99	+48 13.8	2.576	3.229	14.9	23.0

409008 2002 XV_{104} 2 9.5 77°.02 6°.4/13.7 18

1 2	9 57.25	− 1 34.1	1.769	2.494	18.2	21.4
1 12	9 52.95	− 2 22.7	1.694	2.510	15.3	21.2
1 22	9 46.13	− 2 50.9	1.638	2.526	12.0	21.0
2 1	9 37.40	− 2 56.9	1.605	2.542	8.7	20.8
2 11	9 27.75	− 2 41.4	1.598	2.558	6.5	20.8
2 21	9 18.31	− 2 8.1	1.619	2.574	7.2	20.8
3 2	9 10.19	− 1 22.6	1.666	2.589	9.9	21.0
3 12	9 4.23	− 0 32.0	1.738	2.605	13.1	21.2

428251 2007 BT_{21} 2 9.5 94°.95 2°.8/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 51.35	+20 42.1	2.697	3.484	11.0	21.1
1 12	9 47.69	+21 54.1	2.618	3.493	8.5	20.9
1 22	9 42.27	+23 11.5	2.566	3.503	5.8	20.7
2 1	9 35.51	+24 29.3	2.542	3.512	3.3	20.6
2 11	9 28.09	+25 41.5	2.549	3.522	3.2	20.6
2 21	9 20.75	+26 43.4	2.587	3.531	5.5	20.8
3 2	9 14.22	+27 31.7	2.653	3.541	8.2	20.9
3 12	9 9.15	+28 5.0	2.744	3.550	10.7	21.1

179055 2001 SE_{46} 2 9.5 98°.39 6°.6/ 4.9 18

1 2	10 3.21	+31 24.0	1.917	2.711	14.6	20.1
1 12	9 57.70	+32 23.7	1.858	2.727	11.7	19.9
1 22	9 49.33	+33 20.5	1.821	2.743	8.8	19.8
2 1	9 38.87	+34 5.6	1.810	2.759	6.8	19.7
2 11	9 27.51	+34 31.8	1.828	2.774	7.1	19.7
2 21	9 16.59	+34 35.1	1.872	2.790	9.3	19.9
3 2	9 7.36	+34 15.6	1.943	2.804	12.1	20.1
3 12	9 0.68	+33 36.5	2.036	2.819	14.7	20.3

426540 2013 RV_{79} 2 9.5 157°.28 5°.5/ 4.2 18

1 2	9 59.41	+31 17.9	2.570	3.354	11.6	21.9
1 12	9 54.17	+32 23.0	2.497	3.361	9.3	21.7
1 22	9 46.72	+33 26.2	2.449	3.368	7.0	21.6
2 1	9 37.62	+34 21.1	2.429	3.374	5.6	21.5
2 11	9 27.72	+35 1.6	2.439	3.380	5.9	21.5
2 21	9 17.99	+35 24.0	2.478	3.385	7.8	21.7
3 2	9 9.38	+35 27.0	2.544	3.390	10.1	21.8
3 12	9 2.65	+35 12.2	2.633	3.394	12.3	22.0

247935 2003 WS_{190} 2 9.5 76°.40 2°.6/ 6.8 18

1 2	9 53.72	+16 41.5	2.101	2.888	13.7	20.2
1 12	9 49.95	+18 17.5	2.034	2.909	10.6	20.0
1 22	9 43.98	+20 4.0	1.991	2.930	7.0	19.8
2 1	9 36.36	+21 53.8	1.977	2.951	3.6	19.7
2 11	9 27.94	+23 38.2	1.993	2.971	3.1	19.7
2 21	9 19.69	+25 9.9	2.040	2.992	6.2	19.9
3 2	9 12.54	+26 23.7	2.116	3.012	9.6	20.2
3 12	9 7.26	+27 17.8	2.216	3.032	12.5	20.4

63250 2001 BP_{36} 2 9.5 111°.12 3°.1/12.5 18

1 2	9 55.13	+ 1 55.5	2.478	3.197	13.7	20.1
1 12	9 50.52	+ 2 4.9	2.399	3.221	11.2	19.9
1 22	9 44.09	+ 2 29.7	2.342	3.244	8.2	19.8
2 1	9 36.34	+ 3 8.6	2.313	3.266	5.2	19.6
2 11	9 27.98	+ 3 58.7	2.312	3.287	3.1	19.5
2 21	9 19.80	+ 4 55.5	2.343	3.308	4.4	19.6
3 2	9 12.55	+ 5 54.5	2.403	3.329	7.2	19.8
3 12	9 6.85	+ 6 50.9	2.490	3.348	9.9	20.1

104722 2000 GU_{175} 2 9.5 11°.16 0°.8/10.2 18

1 2	9 52.51	+10 5.9	2.094	2.864	14.3	19.5
1 12	9 49.05	+10 23.4	2.003	2.865	11.4	19.3
1 22	9 43.43	+10 53.9	1.935	2.865	7.9	19.1
2 1	9 36.16	+11 34.8	1.894	2.866	3.9	18.8
2 11	9 28.02	+12 21.6	1.880	2.866	0.9	18.6
2 21	9 19.94	+13 9.2	1.896	2.867	4.6	18.9
3 2	9 12.88	+13 53.0	1.940	2.868	8.5	19.1
3 12	9 7.60	+14 29.0	2.010	2.869	11.9	19.3

421301 2013 TH_{27} 2 9.5 34°.30 0°.7/10.0 18

1 2	9 53.73	+10 55.3	1.963	2.739	15.0	21.6
1 12	9 50.13	+11 9.2	1.876	2.741	11.9	21.4
1 22	9 44.23	+11 35.9	1.811	2.743	8.2	21.2
2 1	9 36.55	+12 12.7	1.772	2.745	4.0	20.9
2 11	9 27.95	+12 54.8	1.761	2.747	0.8	20.7
2 21	9 19.46	+13 37.1	1.779	2.750	4.9	21.0
3 2	9 12.07	+14 14.9	1.825	2.753	8.9	21.2
3 12	9 6.62	+14 44.5	1.896	2.755	12.5	21.4

209414 2004 FP_{30} 2 9.5 290°.23 3°.6/13.1 17

1 2	9 50.76	− 1 2.6	2.512	3.225	13.7	20.6
1 12	9 47.56	− 0 32.3	2.378	3.193	11.5	20.4
1 22	9 42.46	+ 0 18.2	2.265	3.160	8.8	20.2
2 1	9 35.76	+ 1 29.0	2.179	3.127	5.8	19.9
2 11	9 28.07	+ 2 57.7	2.121	3.094	3.7	19.7
2 21	9 20.14	+ 4 39.2	2.094	3.060	4.7	19.7
3 2	9 12.81	+ 6 26.9	2.097	3.026	7.9	19.9
3 12	9 6.87	+ 8 13.7	2.128	2.992	11.2	20.0

34340 2000 QN_{224} 2 9.5 69°.85 1°.7/10.8 18

1 2	9 53.81	+ 7 43.7	1.857	2.625	16.0	19.1
1 12	9 50.25	+ 7 58.1	1.776	2.633	12.8	18.9
1 22	9 44.33	+ 8 28.5	1.716	2.642	9.0	18.7
2 1	9 36.59	+ 9 12.6	1.682	2.651	4.8	18.5
2 11	9 27.95	+10 5.7	1.675	2.660	1.7	18.3
2 21	9 19.46	+11 1.7	1.697	2.669	4.9	18.5
3 2	9 12.15	+11 54.9	1.747	2.678	9.0	18.8
3 12	9 6.85	+12 40.6	1.822	2.687	12.7	19.0

149312 2002 UQ_{32} 2 9.5 170°.58 1°.7/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	10 1.52	+16 36.8	1.861	2.640	15.6	20.7
1 12	9 56.42	+17 13.6	1.775	2.645	12.2	20.5
1 22	9 48.60	+18 0.6	1.713	2.649	8.2	20.3
2 1	9 38.65	+18 52.2	1.677	2.652	3.9	20.0
2 11	9 27.59	+19 41.7	1.670	2.654	2.1	19.9
2 21	9 16.66	+20 22.8	1.693	2.656	6.2	20.1
3 2	9 7.10	+20 51.3	1.744	2.656	10.4	20.4
3 12	8 59.85	+21 5.5	1.820	2.656	14.0	20.6

471364 2011 ST_{41} 2 9.5 253°.27 1°.1/ 8.5 17

1 2	9 55.31	+17 32.8	2.658	3.431	11.6	21.9
1 12	9 50.85	+17 47.7	2.551	3.417	9.1	21.7
1 22	9 44.48	+18 8.2	2.468	3.402	6.1	21.5
2 1	9 36.62	+18 31.2	2.412	3.387	2.9	21.3
2 11	9 27.95	+18 53.0	2.388	3.372	1.4	21.1
2 21	9 19.27	+19 10.0	2.394	3.357	4.5	21.3
3 2	9 11.40	+19 19.9	2.429	3.341	7.8	21.5
3 12	9 5.04	+19 21.1	2.490	3.325	10.8	21.7

246412 2007 UV_{125} 2 9.5 63°.31 1°.6/ 7.9 18

1 2	9 52.31	+14 2.3	2.110	2.893	13.8	19.7
1 12	9 48.80	+15 24.2	2.041	2.913	10.7	19.5
1 22	9 43.19	+16 58.2	1.996	2.934	7.1	19.4
2 1	9 36.01	+18 38.2	1.979	2.955	3.3	19.2
2 11	9 28.07	+20 16.2	1.993	2.976	2.0	19.1
2 21	9 20.30	+21 45.2	2.037	2.997	5.5	19.4
3 2	9 13.61	+22 59.7	2.109	3.018	9.0	19.6
3 12	9 8.69	+23 56.9	2.206	3.038	12.0	19.9

113579 2002 TT_{42} 2 9.5 129°.05 1°.4/10.6 18

1 2	9 56.50	+ 8 24.1	2.024	2.782	15.2	20.9
1 12	9 52.13	+ 8 41.3	1.941	2.794	12.1	20.7
1 22	9 45.48	+ 9 12.9	1.881	2.805	8.4	20.5
2 1	9 37.11	+ 9 56.2	1.847	2.816	4.4	20.3
2 11	9 27.88	+10 46.8	1.842	2.827	1.4	20.1
2 21	9 18.81	+11 39.2	1.866	2.837	4.7	20.3
3 2	9 10.88	+12 28.2	1.920	2.847	8.6	20.6
3 12	9 4.88	+13 9.8	1.999	2.856	12.1	20.8

225498 2000 KR_{73} 2 9.5 245°.94 4°.2/13.1 18

1 2	9 54.18	− 0 29.0	2.363	3.076	14.4	21.4
1 12	9 50.27	− 0 27.8	2.243	3.057	12.1	21.2
1 22	9 44.30	− 0 8.7	2.145	3.037	9.3	21.0
2 1	9 36.63	+ 0 28.8	2.071	3.017	6.3	20.8
2 11	9 27.95	+ 1 22.9	2.027	2.996	4.3	20.6
2 21	9 19.11	+ 2 29.6	2.011	2.974	5.3	20.6
3 2	9 11.01	+ 3 43.6	2.026	2.952	8.3	20.8
3 12	9 4.47	+ 4 58.5	2.067	2.929	11.5	20.9

366933 2005 UT_{460} 2 9.5 126°.76 1°.6/10.8 18

1 2	9 55.93	+ 8 18.7	2.159	2.914	14.4	22.0
1 12	9 51.54	+ 8 25.3	2.074	2.925	11.5	21.8
1 22	9 45.01	+ 8 44.9	2.012	2.935	8.1	21.6
2 1	9 36.87	+ 9 15.5	1.977	2.945	4.3	21.4
2 11	9 27.94	+ 9 53.3	1.970	2.955	1.6	21.2
2 21	9 19.15	+10 33.8	1.993	2.964	4.5	21.4
3 2	9 11.41	+11 12.6	2.046	2.973	8.1	21.7
3 12	9 5.48	+11 46.0	2.124	2.981	11.4	21.9

190777 2001 QK_{249} 2 9.5 87°.45 0°.2/ 9.3 17

1 2	10 1.13	+12 33.7	1.543	2.326	18.1	21.1
1 12	9 56.24	+13 3.8	1.483	2.353	14.1	20.9
1 22	9 48.45	+13 48.3	1.444	2.379	9.5	20.7
2 1	9 38.52	+14 41.9	1.429	2.404	4.4	20.5
2 11	9 27.67	+15 37.2	1.443	2.429	0.9	20.3
2 21	9 17.28	+16 27.1	1.485	2.454	5.9	20.7
3 2	9 8.60	+17 6.4	1.554	2.478	10.5	21.0
3 12	9 2.53	+17 32.5	1.647	2.502	14.4	21.3

56540 2000 HC_{61} 2 9.5 48°.23 2°.2/ 8.2 18

1 2	9 57.22	+16 30.6	1.290	2.103	19.3	19.4
1 12	9 54.02	+17 9.6	1.224	2.112	15.1	19.2
1 22	9 47.45	+18 2.5	1.178	2.122	10.1	18.9
2 1	9 38.22	+19 1.9	1.155	2.131	4.8	18.7
2 11	9 27.71	+19 58.5	1.158	2.141	2.7	18.6
2 21	9 17.53	+20 43.6	1.186	2.152	7.6	18.9
3 2	9 9.24	+21 11.9	1.239	2.163	12.6	19.2
3 12	9 3.94	+21 21.8	1.314	2.174	16.9	19.5

31307 1998 FK_{105} 2 9.5 272°.08 4°.2/13.3 18

1 2	9 51.13	− 0 14.4	2.556	3.271	13.4	18.7
1 12	9 47.66	− 0 26.6	2.443	3.257	11.2	18.5
1 22	9 42.38	− 0 23.6	2.351	3.242	8.7	18.3
2 1	9 35.67	− 0 4.9	2.285	3.228	6.0	18.1
2 11	9 28.15	+ 0 28.2	2.247	3.213	4.3	18.0
2 21	9 20.55	+ 1 12.8	2.238	3.198	5.0	18.0
3 2	9 13.66	+ 2 4.8	2.258	3.183	7.6	18.1
3 12	9 8.17	+ 2 59.2	2.304	3.168	10.4	18.3

90700 1986 QG_2 2 9.5 151°.44 0°.3/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 58.98	+12 22.0	2.105	2.870	14.5	20.7
1 12	9 54.03	+13 1.4	2.022	2.881	11.4	20.5
1 22	9 46.76	+13 52.9	1.961	2.892	7.7	20.3
2 1	9 37.72	+14 52.4	1.928	2.902	3.6	20.1
2 11	9 27.80	+15 54.0	1.924	2.911	0.8	19.9
2 21	9 18.01	+16 51.8	1.952	2.919	5.0	20.2
3 2	9 9.37	+17 41.0	2.009	2.926	8.9	20.4
3 12	9 2.68	+18 18.6	2.091	2.932	12.3	20.7

315635 2008 DN_{20} 2 9.5 337°.97 1°.0/ 8.9 18

1 2	9 53.60	+15 1.5	1.448	2.256	17.8	21.2
1 12	9 51.03	+15 20.7	1.362	2.247	14.1	20.9
1 22	9 45.42	+15 53.4	1.297	2.239	9.6	20.6
2 1	9 37.32	+16 35.1	1.255	2.232	4.5	20.3
2 11	9 27.85	+17 18.6	1.239	2.225	1.5	20.1
2 21	9 18.43	+17 56.8	1.250	2.219	6.7	20.4
3 2	9 10.51	+18 23.8	1.285	2.214	11.8	20.7
3 12	9 5.22	+18 36.7	1.343	2.210	16.2	20.9

423060 2003 WK_{19} 2 9.5 127°.05 3°.6/12.8 18

1 2	9 54.99	+ 1 13.2	2.684	3.395	12.9	21.0
1 12	9 50.32	+ 0 59.1	2.597	3.411	10.7	20.8
1 22	9 43.95	+ 0 58.7	2.533	3.426	8.0	20.7
2 1	9 36.31	+ 1 11.6	2.494	3.441	5.4	20.5
2 11	9 28.07	+ 1 36.1	2.486	3.455	3.7	20.4
2 21	9 19.94	+ 2 9.2	2.507	3.468	4.5	20.5
3 2	9 12.64	+ 2 47.5	2.559	3.481	6.9	20.7
3 12	9 6.77	+ 3 26.7	2.637	3.494	9.5	20.8

457226 2008 KK_{23} 2 9.5 260°.40 6°.4/ 3.5 17

1 2	9 57.35	+28 52.2	2.087	2.885	13.4	21.5
1 12	9 53.44	+30 25.5	1.992	2.867	10.8	21.3
1 22	9 46.83	+32 2.9	1.921	2.848	8.1	21.1
2 1	9 37.96	+33 35.4	1.878	2.828	6.5	20.9
2 11	9 27.74	+34 53.3	1.863	2.808	7.1	20.9
2 21	9 17.36	+35 49.6	1.876	2.787	9.6	21.0
3 2	9 8.10	+36 20.4	1.914	2.767	12.6	21.2
3 12	9 1.05	+36 26.3	1.974	2.745	15.5	21.3

437447 2013 YA_{10} 2 9.5 244°.94 1°.5/ 8.0 17

1 2	9 51.57	+16 5.3	2.437	3.218	12.2	21.1
1 12	9 48.10	+16 56.4	2.344	3.216	9.5	20.9
1 22	9 42.70	+17 56.7	2.276	3.213	6.4	20.7
2 1	9 35.82	+19 1.7	2.235	3.211	3.0	20.5
2 11	9 28.14	+20 6.1	2.225	3.208	1.8	20.4
2 21	9 20.49	+21 4.4	2.244	3.205	5.0	20.6
3 2	9 13.69	+21 52.6	2.293	3.202	8.3	20.8
3 12	9 8.46	+22 28.2	2.366	3.200	11.3	21.0

43060 1999 VS_{93} 2 9.5 238°.55 1°.0/ 8.8 18

1 2	9 57.61	+15 2.0	1.913	2.694	15.1	20.0
1 12	9 53.47	+15 30.9	1.812	2.682	11.9	19.8
1 22	9 46.72	+16 11.2	1.735	2.671	8.1	19.5
2 1	9 37.85	+16 58.6	1.683	2.658	3.8	19.2
2 11	9 27.78	+17 47.1	1.660	2.645	1.4	19.0
2 21	9 17.64	+18 30.7	1.666	2.632	5.8	19.3
3 2	9 8.63	+19 4.4	1.700	2.618	10.2	19.5
3 12	9 1.77	+19 25.4	1.759	2.604	14.0	19.7

132151 2002 CV_{298} 2 9.5 236°.12 0°.9/10.2 18

1 2	9 57.32	+ 9 59.1	1.947	2.712	15.4	20.8
1 12	9 53.18	+10 15.1	1.842	2.700	12.4	20.5
1 22	9 46.51	+10 45.5	1.758	2.686	8.6	20.3
2 1	9 37.76	+11 27.9	1.700	2.672	4.4	20.0
2 11	9 27.80	+12 17.7	1.671	2.657	1.0	19.7
2 21	9 17.72	+13 9.1	1.671	2.642	5.2	20.0
3 2	9 8.69	+13 56.5	1.700	2.625	9.6	20.2
3 12	9 1.71	+14 35.5	1.753	2.609	13.6	20.4

241727 2000 VS_{24} 2 9.5 170°.64 3°.2/11.8 18

1 2	9 57.05	+ 4 7.2	1.937	2.681	16.2	21.7
1 12	9 52.77	+ 4 6.8	1.846	2.684	13.2	21.4
1 22	9 46.07	+ 4 24.0	1.775	2.687	9.7	21.2
2 1	9 37.47	+ 4 57.9	1.729	2.689	5.9	21.0
2 11	9 27.87	+ 5 45.0	1.712	2.691	3.2	20.8
2 21	9 18.31	+ 6 40.3	1.723	2.692	5.3	21.0
3 2	9 9.89	+ 7 37.8	1.763	2.693	9.1	21.2
3 12	9 3.48	+ 8 31.8	1.829	2.693	12.7	21.4

55533 2001 WN_8 2 9.5 316°.87 1°.9/ 7.8 18

1 2	9 51.48	+17 24.1	2.168	2.960	13.2	19.4
1 12	9 48.35	+18 8.9	2.072	2.949	10.3	19.2
1 22	9 43.05	+19 2.9	2.000	2.940	6.9	19.0
2 1	9 36.05	+20 1.3	1.955	2.930	3.4	18.7
2 11	9 28.12	+20 58.2	1.939	2.921	2.3	18.6
2 21	9 20.19	+21 48.0	1.951	2.912	5.7	18.8
3 2	9 13.21	+22 26.2	1.992	2.903	9.3	19.0
3 12	9 8.00	+22 50.7	2.057	2.895	12.6	19.2

280240 2002 VD_{99} 2 9.5 165°.23 3°.8/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 55.79	+25 41.5	2.644	3.430	11.3	20.8
1 12	9 51.25	+26 34.0	2.563	3.434	8.8	20.6
1 22	9 44.74	+27 28.4	2.506	3.437	6.2	20.5
2 1	9 36.75	+28 19.1	2.478	3.440	4.1	20.3
2 11	9 28.02	+29 1.0	2.479	3.443	4.2	20.3
2 21	9 19.40	+29 29.9	2.511	3.445	6.3	20.5
3 2	9 11.73	+29 44.1	2.570	3.447	8.9	20.6
3 12	9 5.69	+29 43.3	2.654	3.448	11.3	20.8

354892 2006 BN_{204} 2 9.5 53°.91 1°.1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.72	+15 40.7	1.294	2.101	19.6	21.4
1 12	9 55.83	+15 52.9	1.232	2.115	15.4	21.1
1 22	9 48.55	+16 17.6	1.189	2.130	10.3	20.9
2 1	9 38.70	+16 49.3	1.169	2.146	4.8	20.6
2 11	9 27.69	+17 20.4	1.176	2.161	1.6	20.4
2 21	9 17.14	+17 44.4	1.208	2.178	6.9	20.8
3 2	9 8.57	+17 56.9	1.266	2.194	12.0	21.1
3 12	9 3.00	+17 56.3	1.345	2.210	16.3	21.4

422108 2014 QV_{408} 2 9.5 120°.80 0°.7/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.78	+14 27.7	1.939	2.720	15.0	21.6
1 12	9 52.53	+14 56.2	1.859	2.728	11.7	21.4
1 22	9 45.86	+15 35.4	1.801	2.737	7.9	21.2
2 1	9 37.35	+16 21.0	1.770	2.745	3.6	21.0
2 11	9 27.92	+17 7.3	1.767	2.753	1.2	20.8
2 21	9 18.67	+17 48.7	1.794	2.761	5.4	21.1
3 2	9 10.64	+18 21.0	1.849	2.768	9.4	21.4
3 12	9 4.67	+18 41.7	1.928	2.775	12.9	21.6

313182 2001 ON_{86} 2 9.5 216°.25 2°.3/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.44	+16 55.9	2.187	2.969	13.4	21.0
1 12	9 51.47	+18 6.3	2.090	2.962	10.5	20.8
1 22	9 45.21	+19 28.0	2.017	2.954	7.0	20.6
2 1	9 37.10	+20 55.3	1.972	2.946	3.5	20.4
2 11	9 27.95	+22 20.6	1.957	2.937	2.7	20.3
2 21	9 18.73	+23 37.0	1.972	2.927	6.1	20.5
3 2	9 10.47	+24 39.0	2.016	2.917	9.8	20.7
3 12	9 4.05	+25 23.9	2.085	2.907	13.0	20.9

397849 2008 TD_{40} 2 9.5 194°.31 1°.2/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.81	+10 52.8	1.765	2.533	16.7	22.0
1 12	9 56.04	+10 49.7	1.673	2.532	13.3	21.8
1 22	9 48.47	+10 59.6	1.601	2.530	9.3	21.6
2 1	9 38.68	+11 20.1	1.556	2.527	4.7	21.3
2 11	9 27.68	+11 46.9	1.538	2.524	1.2	21.0
2 21	9 16.73	+12 15.2	1.550	2.520	5.5	21.3
3 2	9 7.11	+12 40.1	1.589	2.516	10.1	21.6
3 12	8 59.85	+12 58.2	1.653	2.511	14.1	21.8

420979 2013 PN_{29} 2 9.5 149°.53 1°.5/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.94	+18 38.6	2.257	3.031	13.3	21.7
1 12	9 54.63	+18 50.2	2.171	3.038	10.4	21.6
1 22	9 47.08	+19 6.9	2.110	3.044	7.0	21.4
2 1	9 37.86	+19 24.9	2.076	3.050	3.3	21.1
2 11	9 27.84	+19 39.9	2.072	3.055	1.8	21.0
2 21	9 18.01	+19 48.2	2.098	3.060	5.2	21.3
3 2	9 9.33	+19 47.8	2.154	3.065	8.7	21.5
3 12	9 2.55	+19 37.9	2.235	3.069	11.8	21.7

337361 2001 PB_{21} 2 9.5 113°.64 0°.3/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.30	+12 14.8	2.804	3.558	11.5	21.5
1 12	9 50.47	+12 28.0	2.725	3.578	9.0	21.4
1 22	9 44.00	+12 48.9	2.671	3.598	6.1	21.2
2 1	9 36.33	+13 15.3	2.645	3.617	2.9	21.0
2 11	9 28.13	+13 43.8	2.650	3.636	0.5	20.8
2 21	9 20.09	+14 11.3	2.686	3.654	3.6	21.1
3 2	9 12.91	+14 35.1	2.752	3.672	6.7	21.3
3 12	9 7.14	+14 53.1	2.846	3.689	9.3	21.5

466371 2013 RJ_{88} 2 9.5 247°.55 5°.8/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.27	− 3 54.3	2.140	2.847	15.9	21.7
1 12	9 48.92	− 4 9.0	2.037	2.839	13.6	21.5
1 22	9 43.44	− 4 3.2	1.953	2.832	10.8	21.3
2 1	9 36.25	− 3 35.3	1.892	2.824	7.9	21.1
2 11	9 28.11	− 2 46.6	1.858	2.816	6.0	21.0
2 21	9 19.92	− 1 40.9	1.853	2.808	6.4	21.0
3 2	9 12.61	− 0 24.0	1.875	2.800	8.9	21.1
3 12	9 7.01	+ 0 56.9	1.923	2.791	12.0	21.3

46767 1998 FX_{115} 2 9.5 315°.98 1°.6/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.69	+11 45.6	1.239	2.043	20.5	19.0
1 12	9 54.83	+11 21.7	1.152	2.031	16.5	18.7
1 22	9 48.37	+11 12.7	1.083	2.021	11.6	18.4
2 1	9 38.88	+11 16.7	1.037	2.010	6.0	18.1
2 11	9 27.64	+11 29.6	1.015	2.001	1.7	17.8
2 21	9 16.35	+11 45.5	1.018	1.991	7.0	18.1
3 2	9 6.83	+11 59.0	1.045	1.983	12.8	18.3
3 12	9 0.44	+12 5.5	1.093	1.974	18.0	18.6

13063 Purifoy 2 9.5 149°.73 2°.8/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 59.20	+ 5 4.8	1.842	2.589	16.8	18.7
1 12	9 54.52	+ 5 9.4	1.757	2.599	13.7	18.5
1 22	9 47.28	+ 5 31.8	1.693	2.608	9.8	18.3
2 1	9 38.06	+ 6 10.5	1.654	2.617	5.7	18.0
2 11	9 27.82	+ 7 1.6	1.643	2.625	2.8	17.9
2 21	9 17.71	+ 7 59.1	1.662	2.632	5.3	18.0
3 2	9 8.88	+ 8 56.9	1.709	2.638	9.3	18.3
3 12	9 2.21	+ 9 49.3	1.782	2.643	13.1	18.5

337717 2001 UK_{38} 2 9.5 78°.40 0°.1/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.73	+12 14.6	2.329	3.097	13.1	21.1
1 12	9 49.65	+12 36.7	2.254	3.115	10.3	20.9
1 22	9 43.64	+13 8.7	2.202	3.133	6.9	20.7
2 1	9 36.22	+13 47.5	2.177	3.151	3.3	20.5
2 11	9 28.16	+14 28.8	2.182	3.168	0.5	20.3
2 21	9 20.28	+15 8.2	2.217	3.186	4.2	20.6
3 2	9 13.40	+15 42.1	2.281	3.203	7.7	20.9
3 12	9 8.15	+16 8.0	2.371	3.221	10.7	21.1

135221 2001 RK_{101} 2 9.5 101°.17 4°.3/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.40	+27 29.7	2.423	3.210	12.1	19.9
1 12	9 53.35	+28 10.2	2.353	3.223	9.5	19.7
1 22	9 46.16	+28 50.5	2.307	3.236	6.8	19.6
2 1	9 37.40	+29 24.8	2.289	3.249	4.6	19.5
2 11	9 27.96	+29 48.0	2.300	3.261	4.6	19.5
2 21	9 18.77	+29 56.7	2.341	3.274	6.8	19.6
3 2	9 10.74	+29 50.0	2.409	3.286	9.4	19.8
3 12	9 4.59	+29 28.7	2.502	3.298	11.9	20.0

208697 2002 HS_{3} 2 9.5 229°.07 0°.7/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.73	+ 8 58.5	2.084	2.844	14.7	20.8
1 12	9 51.78	+ 9 37.1	1.977	2.832	11.8	20.6
1 22	9 45.49	+10 32.0	1.892	2.819	8.2	20.3
2 1	9 37.28	+11 40.2	1.834	2.806	4.1	20.0
2 11	9 27.95	+12 56.3	1.806	2.792	0.8	19.7
2 21	9 18.49	+14 13.7	1.807	2.777	4.9	20.0
3 2	9 9.97	+15 25.7	1.838	2.762	9.2	20.2
3 12	9 3.32	+16 27.4	1.894	2.745	12.9	20.4

284859 2009 BP_{167} 2 9.5 34°.54 0°.5/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.53	+13 9.8	2.264	3.034	13.4	20.5
1 12	9 51.19	+13 3.5	2.175	3.036	10.6	20.3
1 22	9 44.78	+13 5.3	2.108	3.039	7.2	20.1
2 1	9 36.81	+13 13.2	2.069	3.042	3.5	19.8
2 11	9 28.05	+13 23.9	2.058	3.045	0.6	19.6
2 21	9 19.42	+13 34.3	2.078	3.048	4.4	19.9
3 2	9 11.81	+13 41.6	2.126	3.051	8.0	20.1
3 12	9 5.93	+13 43.6	2.200	3.054	11.2	20.3

496185 2011 EB_{9} 2 9.5 268°.52 0°.5/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.05	+13 21.3	1.963	2.744	14.8	21.5
1 12	9 50.49	+13 51.7	1.873	2.743	11.6	21.3
1 22	9 44.57	+14 34.3	1.805	2.741	7.9	21.0
2 1	9 36.79	+15 25.1	1.764	2.739	3.7	20.8
2 11	9 28.05	+16 18.5	1.751	2.737	0.9	20.6
2 21	9 19.35	+17 8.5	1.767	2.735	5.3	20.9
3 2	9 11.76	+17 50.2	1.811	2.734	9.4	21.1
3 12	9 6.13	+18 20.4	1.880	2.732	13.0	21.3

240732 2005 JK_{28} 2 9.5 2°.01 3°.2/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.99	+19 59.1	2.076	2.874	13.5	20.6
1 12	9 48.84	+21 8.3	1.993	2.874	10.5	20.4
1 22	9 43.43	+22 25.8	1.934	2.874	7.1	20.1
2 1	9 36.26	+23 45.3	1.902	2.874	3.9	20.0
2 11	9 28.15	+24 59.2	1.899	2.875	3.7	19.9
2 21	9 20.11	+26 1.1	1.925	2.875	6.7	20.1
3 2	9 13.12	+26 46.5	1.978	2.876	10.1	20.3
3 12	9 8.02	+27 14.0	2.055	2.877	13.2	20.5

53736 2000 EJ_{48} 2 9.5 323°.50 4°.8/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.43	+23 10.1	1.392	2.205	18.1	18.9
1 12	9 56.66	+23 52.4	1.316	2.203	14.3	18.6
1 22	9 49.37	+24 41.1	1.259	2.200	9.9	18.4
2 1	9 39.24	+25 27.7	1.227	2.198	5.8	18.1
2 11	9 27.63	+26 2.2	1.220	2.195	5.3	18.1
2 21	9 16.23	+26 17.5	1.240	2.193	9.1	18.3
3 2	9 6.72	+26 10.9	1.284	2.191	13.6	18.5
3 12	9 0.30	+25 43.8	1.349	2.190	17.7	18.8

375454 2008 TY_{102} 2 9.5 33°.79 6°.6/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.47	+30 12.3	1.764	2.571	15.2	20.6
1 12	9 54.31	+31 8.7	1.701	2.580	12.1	20.4
1 22	9 47.26	+32 3.5	1.661	2.590	9.0	20.3
2 1	9 38.05	+32 48.0	1.647	2.601	6.8	20.2
2 11	9 27.86	+33 14.3	1.659	2.612	7.0	20.2
2 21	9 18.06	+33 18.2	1.698	2.624	9.4	20.4
3 2	9 9.91	+32 59.2	1.762	2.636	12.5	20.6
3 12	9 4.31	+32 20.1	1.847	2.648	15.3	20.8

135358 2001 TX_{104} 2 9.5 135°.66 1°.1/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 53.11	+ 8 41.2	2.999	3.741	11.0	21.2
1 12	9 48.74	+ 8 55.8	2.911	3.754	8.8	21.1
1 22	9 42.83	+ 9 19.9	2.847	3.767	6.1	20.9
2 1	9 35.81	+ 9 51.6	2.812	3.780	3.2	20.8
2 11	9 28.25	+10 28.1	2.807	3.791	1.1	20.6
2 21	9 20.79	+11 6.0	2.833	3.803	3.4	20.8
3 2	9 14.05	+11 42.3	2.890	3.814	6.2	21.0
3 12	9 8.58	+12 14.4	2.975	3.824	8.8	21.2

326998 2004 QG_{27} 2 9.5 233°.86 6°.8/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.47	− 7 5.8	2.426	3.098	15.0	21.1
1 12	9 50.43	− 7 43.8	2.313	3.086	13.1	20.9
1 22	9 44.38	− 8 3.6	2.221	3.073	10.8	20.7
2 1	9 36.70	− 8 2.8	2.152	3.060	8.5	20.6
2 11	9 28.09	− 7 40.9	2.109	3.046	7.0	20.5
2 21	9 19.35	− 6 59.8	2.095	3.032	7.2	20.4
3 2	9 11.37	− 6 3.5	2.109	3.017	9.0	20.5
3 12	9 4.94	− 4 58.2	2.148	3.002	11.5	20.7

168487 1999 RV_{138} 2 9.5 154°.34 1°.1/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.34	+ 9 13.2	2.181	2.934	14.4	21.5
1 12	9 53.45	+ 9 29.0	2.094	2.943	11.4	21.4
1 22	9 46.35	+ 9 57.6	2.028	2.952	7.9	21.1
2 1	9 37.58	+10 36.5	1.990	2.960	4.1	20.9
2 11	9 27.96	+11 21.4	1.982	2.968	1.2	20.7
2 21	9 18.45	+12 7.4	2.004	2.974	4.5	21.0
3 2	9 10.02	+12 50.0	2.056	2.980	8.3	21.2
3 12	9 3.44	+13 25.7	2.134	2.985	11.7	21.4

464076 2014 WF_{294} 2 9.5 140°.66 3°.2/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.59	+ 1 24.1	2.152	2.882	15.2	22.1
1 12	9 49.81	+ 1 48.5	2.062	2.890	12.4	21.9
1 22	9 43.94	+ 2 32.3	1.993	2.898	9.2	21.7
2 1	9 36.46	+ 3 34.1	1.950	2.906	5.7	21.5
2 11	9 28.16	+ 4 50.0	1.935	2.912	3.3	21.4
2 21	9 19.92	+ 6 13.9	1.950	2.919	4.8	21.5
3 2	9 12.66	+ 7 39.2	1.995	2.925	8.1	21.7
3 12	9 7.12	+ 8 59.5	2.066	2.931	11.4	21.9

489301 2006 ST_{261} 2 9.5 111°.47 2°.6/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.04	+ 4 25.2	2.106	2.845	15.2	22.4
1 12	9 52.38	+ 4 37.8	2.030	2.866	12.3	22.3
1 22	9 45.58	+ 5 6.8	1.975	2.887	8.9	22.1
2 1	9 37.18	+ 5 50.4	1.946	2.908	5.2	21.9
2 11	9 28.05	+ 6 44.4	1.947	2.927	2.6	21.8
2 21	9 19.12	+ 7 43.7	1.977	2.947	4.6	21.9
3 2	9 11.32	+ 8 42.7	2.037	2.965	8.1	22.2
3 12	9 5.36	+ 9 36.6	2.123	2.983	11.4	22.4

498909 2009 AV_{25} 2 9.5 83°.13 2°.1/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.52	+ 7 52.3	2.289	3.041	13.8	21.3
1 12	9 50.38	+ 7 40.9	2.198	3.046	11.1	21.1
1 22	9 44.24	+ 7 41.1	2.130	3.050	7.9	20.9
2 1	9 36.58	+ 7 51.7	2.088	3.054	4.4	20.7
2 11	9 28.16	+ 8 10.1	2.075	3.058	2.1	20.6
2 21	9 19.82	+ 8 33.0	2.092	3.062	4.4	20.7
3 2	9 12.44	+ 8 56.9	2.138	3.066	7.8	20.9
3 12	9 6.72	+ 9 18.2	2.209	3.070	10.9	21.1

381218 2007 RZ_{212} 2 9.5 113°.61 1°.7/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.48	+19 2.6	2.298	3.080	12.9	20.9
1 12	9 51.96	+19 21.0	2.213	3.084	10.0	20.7
1 22	9 45.32	+19 44.6	2.152	3.088	6.7	20.5
2 1	9 37.09	+20 9.6	2.118	3.092	3.3	20.3
2 11	9 28.08	+20 31.2	2.113	3.096	2.0	20.2
2 21	9 19.22	+20 46.0	2.139	3.100	5.2	20.4
3 2	9 11.42	+20 51.4	2.192	3.103	8.6	20.7
3 12	9 5.41	+20 46.5	2.272	3.107	11.6	20.9

46731 Prieurblanc 2 9.5 210°.13 2°.9/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.09	+22 49.4	2.421	3.205	12.2	19.1
1 12	9 52.45	+23 20.2	2.330	3.202	9.6	18.9
1 22	9 45.67	+23 54.2	2.264	3.199	6.5	18.7
2 1	9 37.27	+24 26.7	2.225	3.195	3.7	18.5
2 11	9 28.05	+24 52.5	2.216	3.191	3.3	18.5
2 21	9 18.93	+25 7.9	2.237	3.187	5.9	18.6
3 2	9 10.81	+25 10.7	2.287	3.183	9.0	18.8
3 12	9 4.47	+25 0.6	2.361	3.179	11.8	19.0

366395 2001 QR_{191} 2 9.5 222°.15 6°.5/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.12	− 4 46.2	2.297	2.984	15.4	21.3
1 12	9 51.82	− 5 26.9	2.188	2.975	13.3	21.1
1 22	9 45.37	− 5 50.0	2.100	2.965	10.8	20.9
2 1	9 37.21	− 5 53.2	2.035	2.955	8.3	20.8
2 11	9 28.05	− 5 36.3	1.998	2.944	6.6	20.6
2 21	9 18.79	− 5 1.3	1.989	2.933	7.0	20.6
3 2	9 10.37	− 4 12.4	2.008	2.921	9.1	20.8
3 12	9 3.62	− 3 15.5	2.053	2.909	11.8	20.9

372582 2009 UZ_{98} 2 9.5 279°.99 0°.9/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 53.68	+10 0.3	1.960	2.732	15.1	21.4
1 12	9 50.21	+10 18.2	1.867	2.729	12.0	21.2
1 22	9 44.41	+10 50.1	1.796	2.726	8.3	20.9
2 1	9 36.77	+11 33.5	1.750	2.722	4.2	20.7
2 11	9 28.14	+12 23.6	1.733	2.719	0.9	20.4
2 21	9 19.54	+13 14.7	1.745	2.716	4.9	20.7
3 2	9 12.00	+14 1.6	1.784	2.713	9.0	20.9
3 12	9 6.40	+14 40.0	1.849	2.709	12.7	21.2

330159 2006 BO_{59} 2 9.5 101°.21 1°.7/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.95	+16 35.1	2.024	2.811	14.2	20.8
1 12	9 51.07	+17 19.8	1.945	2.819	11.0	20.6
1 22	9 44.89	+18 14.0	1.888	2.826	7.4	20.4
2 1	9 36.94	+19 12.6	1.859	2.834	3.5	20.1
2 11	9 28.12	+20 9.2	1.858	2.842	2.1	20.1
2 21	9 19.44	+20 58.0	1.887	2.849	5.7	20.3
3 2	9 11.91	+21 34.9	1.944	2.856	9.4	20.5
3 12	9 6.33	+21 57.9	2.025	2.863	12.7	20.8

145824 1998 UP_{34} 2 9.5 90°.50 3°.6/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.45	+21 23.7	1.833	2.625	15.3	20.2
1 12	9 55.46	+22 24.5	1.775	2.651	11.8	20.0
1 22	9 47.83	+23 30.9	1.739	2.676	8.0	19.8
2 1	9 38.28	+24 35.5	1.731	2.701	4.5	19.6
2 11	9 27.91	+25 30.4	1.751	2.726	4.1	19.7
2 21	9 17.92	+26 9.9	1.800	2.750	7.1	19.9
3 2	9 9.46	+26 31.5	1.877	2.773	10.6	20.2
3 12	9 3.33	+26 35.5	1.977	2.796	13.7	20.4

245587 2005 UL_{391} 2 9.5 204°.11 2°.1/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.09	+ 4 26.4	3.096	3.823	11.0	21.8
1 12	9 47.25	+ 4 39.2	2.989	3.819	9.0	21.6
1 22	9 41.92	+ 5 3.6	2.905	3.813	6.5	21.4
2 1	9 35.46	+ 5 38.6	2.849	3.808	3.9	21.2
2 11	9 28.38	+ 6 21.7	2.823	3.802	2.1	21.1
2 21	9 21.30	+ 7 9.8	2.828	3.796	3.5	21.2
3 2	9 14.83	+ 7 59.3	2.863	3.790	6.1	21.4
3 12	9 9.52	+ 8 46.8	2.926	3.783	8.7	21.5

378713 2008 PT_{20} 2 9.5 180°.23 1°.4/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.21	+15 27.2	2.520	3.293	12.1	21.7
1 12	9 50.10	+16 26.3	2.427	3.294	9.4	21.5
1 22	9 44.06	+17 35.0	2.359	3.294	6.3	21.3
2 1	9 36.53	+18 48.7	2.320	3.295	3.0	21.1
2 11	9 28.20	+20 1.9	2.311	3.294	1.8	21.0
2 21	9 19.88	+21 8.9	2.334	3.294	4.9	21.2
3 2	9 12.41	+22 5.3	2.386	3.292	8.2	21.4
3 12	9 6.49	+22 48.7	2.463	3.290	11.1	21.6

466827 2015 BH_{194} 2 9.5 210°.11 1°.5/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.44	+17 15.0	2.425	3.204	12.4	21.6
1 12	9 50.36	+17 50.5	2.331	3.200	9.6	21.4
1 22	9 44.28	+18 33.5	2.260	3.197	6.5	21.2
2 1	9 36.64	+19 19.9	2.218	3.192	3.1	21.0
2 11	9 28.18	+20 4.7	2.205	3.188	1.8	20.9
2 21	9 19.76	+20 43.4	2.222	3.183	5.0	21.1
3 2	9 12.24	+21 12.6	2.269	3.178	8.4	21.3
3 12	9 6.35	+21 30.4	2.340	3.173	11.4	21.5

90918 Jasinski 2 9.5 119°.53 0°.7/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.88	+11 20.6	1.719	2.490	16.9	19.7
1 12	9 55.96	+11 27.8	1.643	2.505	13.4	19.4
1 22	9 48.31	+11 48.3	1.589	2.519	9.2	19.2
2 1	9 38.59	+12 18.9	1.560	2.533	4.5	19.0
2 11	9 27.87	+12 54.3	1.560	2.546	0.9	18.7
2 21	9 17.42	+13 29.2	1.588	2.559	5.4	19.1
3 2	9 8.44	+13 58.6	1.644	2.571	9.8	19.4
3 12	9 1.85	+14 19.5	1.725	2.582	13.7	19.6

403335 2009 DE_{94} 2 9.5 10°.36 1°.5/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.88	+14 6.2	1.486	2.289	17.7	21.3
1 12	9 51.15	+14 58.6	1.407	2.290	13.9	21.0
1 22	9 45.46	+16 7.7	1.349	2.291	9.3	20.8
2 1	9 37.40	+17 27.2	1.315	2.292	4.3	20.5
2 11	9 28.06	+18 47.9	1.308	2.293	2.0	20.3
2 21	9 18.83	+20 0.6	1.328	2.295	6.9	20.6
3 2	9 11.07	+20 58.1	1.374	2.297	11.7	20.9
3 12	9 5.87	+21 36.6	1.442	2.299	15.9	21.2

460549 2014 TV_{56} 2 9.5 26°.50 4°.3/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.42	+ 1 57.4	1.651	2.408	18.1	21.2
1 12	9 49.56	+ 1 50.1	1.568	2.412	15.0	21.0
1 22	9 44.14	+ 2 4.5	1.505	2.416	11.2	20.8
2 1	9 36.69	+ 2 40.5	1.464	2.421	7.2	20.6
2 11	9 28.20	+ 3 34.8	1.450	2.426	4.4	20.4
2 21	9 19.80	+ 4 41.3	1.462	2.431	6.0	20.5
3 2	9 12.65	+ 5 52.4	1.502	2.437	9.8	20.8
3 12	9 7.68	+ 7 0.5	1.565	2.444	13.6	21.0

203651 2002 GK_{163} 2 9.5 11°.91 2°.4/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 54.37	+17 19.4	1.200	2.025	19.8	19.8
1 12	9 52.14	+17 50.2	1.132	2.027	15.5	19.6
1 22	9 46.42	+18 34.3	1.084	2.030	10.5	19.3
2 1	9 37.91	+19 24.9	1.057	2.034	5.0	19.0
2 11	9 27.99	+20 12.3	1.055	2.039	2.9	18.9
2 21	9 18.36	+20 48.1	1.078	2.045	8.0	19.2
3 2	9 10.64	+21 6.9	1.124	2.052	13.2	19.5
3 12	9 6.00	+21 7.2	1.191	2.060	17.7	19.8

206345 2003 PA_{9} 2 9.5 150°.14 0°.6/ 9.9 18

1 2	10 0.15	+11 57.7	1.907	2.674	15.6	20.7
1 12	9 55.22	+12 2.5	1.822	2.682	12.4	20.5
1 22	9 47.75	+12 18.7	1.759	2.689	8.5	20.3
2 1	9 38.33	+12 43.6	1.723	2.695	4.2	20.0
2 11	9 27.93	+13 12.6	1.715	2.701	0.8	19.8
2 21	9 17.70	+13 41.0	1.737	2.707	5.1	20.1
3 2	9 8.74	+14 4.6	1.787	2.712	9.3	20.3
3 12	9 1.95	+14 20.7	1.863	2.716	13.0	20.6

14358 1988 BY_{3} 2 9.5 29°.31 2°.1/10.9 18

1 2	9 52.25	+ 6 25.5	1.484	2.266	18.7	17.9
1 12	9 49.72	+ 6 48.5	1.407	2.272	15.0	17.7
1 22	9 44.39	+ 7 33.4	1.349	2.278	10.6	17.4
2 1	9 36.86	+ 8 37.4	1.315	2.285	5.7	17.1
2 11	9 28.19	+ 9 54.3	1.308	2.293	2.1	16.9
2 21	9 19.66	+11 15.2	1.327	2.300	5.7	17.2
3 2	9 12.56	+12 31.6	1.372	2.309	10.5	17.5
3 12	9 7.86	+13 36.7	1.441	2.317	14.7	17.7

355811 2008 SM_{284} 2 9.5 77°.38 2°.3/ 8.3 18

1 2	10 2.19	+18 50.4	1.431	2.232	18.4	20.9
1 12	9 57.60	+19 8.7	1.363	2.244	14.4	20.6
1 22	9 49.72	+19 35.6	1.316	2.257	9.7	20.4
2 1	9 39.33	+20 4.6	1.294	2.269	4.7	20.1
2 11	9 27.78	+20 28.4	1.298	2.281	2.8	20.0
2 21	9 16.66	+20 41.2	1.330	2.294	7.2	20.3
3 2	9 7.42	+20 40.1	1.387	2.306	11.9	20.6
3 12	9 1.10	+20 25.0	1.466	2.318	16.0	20.9

325217 2008 GF_{20} 2 9.5 237°.10 5°.2/ 5.2 18

1 2	9 59.61	+27 51.2	2.231	3.021	13.0	21.1
1 12	9 54.89	+28 51.6	2.136	3.008	10.3	20.9
1 22	9 47.63	+29 54.0	2.066	2.994	7.5	20.7
2 1	9 38.34	+30 51.1	2.023	2.980	5.4	20.5
2 11	9 27.93	+31 35.8	2.009	2.966	5.7	20.5
2 21	9 17.50	+32 2.7	2.024	2.950	8.1	20.6
3 2	9 8.21	+32 9.3	2.066	2.935	11.1	20.8
3 12	9 1.00	+31 56.4	2.130	2.919	13.9	21.0

164310 2005 AW_{20} 2 9.5 80°.17 0°.1/ 9.6 18

1 2	9 56.56	+11 8.7	1.557	2.344	17.8	20.4
1 12	9 52.90	+11 43.0	1.486	2.357	14.0	20.2
1 22	9 46.41	+12 34.1	1.436	2.371	9.5	20.0
2 1	9 37.76	+13 37.0	1.410	2.385	4.5	19.7
2 11	9 28.05	+14 44.5	1.412	2.399	0.7	19.5
2 21	9 18.60	+15 48.7	1.442	2.412	5.8	19.9
3 2	9 10.65	+16 42.9	1.498	2.426	10.5	20.2
3 12	9 5.16	+17 23.2	1.578	2.439	14.5	20.4

107640 2001 EQ_{15} 2 9.5 108°.92 18°.1/30.1 17

1 2	10 20.43	+50 12.4	1.211	1.996	21.9	18.9
1 12	10 14.96	+52 35.9	1.179	2.006	19.9	18.8
1 22	10 3.09	+54 36.4	1.164	2.016	18.5	18.7
2 1	9 45.99	+55 53.1	1.168	2.026	18.1	18.7
2 11	9 26.68	+56 10.9	1.191	2.036	18.9	18.8
2 21	9 8.88	+55 27.9	1.233	2.045	20.5	18.9
3 2	8 55.60	+53 53.2	1.291	2.053	22.4	19.1
3 12	8 48.14	+51 42.2	1.364	2.062	24.3	19.3

71971 Lindaketcham 2 9.5 354°.04 5°.6/ 6.9 18

1 2	9 56.51	+24 40.5	1.189	2.021	19.5	18.5
1 12	9 54.14	+25 14.7	1.118	2.015	15.4	18.2
1 22	9 47.98	+25 53.5	1.066	2.011	10.8	17.9
2 1	9 38.72	+26 27.7	1.036	2.007	6.6	17.7
2 11	9 27.89	+26 46.8	1.030	2.005	6.1	17.7
2 21	9 17.35	+26 44.0	1.048	2.004	10.1	17.9
3 2	9 8.92	+26 17.3	1.089	2.004	14.8	18.1
3 12	9 3.84	+25 29.4	1.149	2.006	19.1	18.4

51311 2000 KJ_{65} 2 9.6 107°.47 3°.3/12.8 18

1 2	9 51.95	+ 1 15.6	2.460	3.184	13.7	19.5
1 12	9 48.25	+ 1 23.5	2.372	3.195	11.2	19.3
1 22	9 42.75	+ 1 47.3	2.306	3.206	8.4	19.1
2 1	9 35.90	+ 2 26.4	2.265	3.217	5.4	19.0
2 11	9 28.39	+ 3 17.8	2.254	3.227	3.4	18.8
2 21	9 20.97	+ 4 17.4	2.272	3.238	4.5	18.9
3 2	9 14.39	+ 5 20.3	2.319	3.248	7.2	19.1
3 12	9 9.29	+ 6 21.4	2.393	3.258	10.1	19.3

16526 1991 DC 2 9.6 47°.20 2°.6/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 59.04	+18 16.7	1.264	2.078	19.6	17.8
1 12	9 55.43	+18 47.4	1.206	2.095	15.2	17.6
1 22	9 48.38	+19 28.8	1.168	2.112	10.2	17.3
2 1	9 38.73	+20 13.6	1.153	2.129	4.9	17.1
2 11	9 27.93	+20 52.6	1.164	2.147	3.1	17.0
2 21	9 17.64	+21 18.9	1.200	2.165	7.7	17.3
3 2	9 9.39	+21 28.7	1.262	2.184	12.5	17.6
3 12	9 4.17	+21 21.8	1.344	2.203	16.7	17.9

402711 2006 VG_{149} 2 9.6 74°.67 0°.0/ 9.4 16

1 2	9 57.80	+ 8 43.8	1.763	2.530	16.7	21.4
1 12	9 53.32	+10 2.5	1.706	2.566	13.1	21.3
1 22	9 46.38	+11 38.9	1.671	2.602	8.8	21.1
2 1	9 37.64	+13 26.6	1.663	2.637	4.1	20.9
2 11	9 28.13	+15 16.5	1.685	2.671	0.7	20.7
2 21	9 18.98	+16 59.3	1.737	2.705	5.3	21.1
3 2	9 11.26	+18 28.0	1.818	2.738	9.5	21.4
3 12	9 5.71	+19 38.8	1.924	2.771	12.9	21.7

309230 2007 QY_{6} 2 9.6 149°.55 0°.3/ 9.3 18

1 2	9 58.81	+12 42.0	1.983	2.753	15.0	22.0
1 12	9 54.11	+13 14.6	1.900	2.763	11.8	21.8
1 22	9 46.98	+13 59.6	1.840	2.772	8.0	21.6
2 1	9 37.99	+14 52.7	1.806	2.780	3.7	21.4
2 11	9 28.05	+15 48.0	1.802	2.788	0.8	21.1
2 21	9 18.26	+16 39.7	1.827	2.795	5.2	21.5
3 2	9 9.67	+17 22.9	1.882	2.801	9.2	21.7
3 12	9 3.14	+17 54.6	1.961	2.807	12.8	22.0

284976 2010 GA_{32} 2 9.6 303°.14 1°.6/ 8.5 17

1 2	9 56.32	+18 37.1	2.074	2.861	13.9	20.4
1 12	9 52.32	+18 47.2	1.970	2.844	10.9	20.1
1 22	9 45.90	+19 3.3	1.889	2.827	7.4	19.9
2 1	9 37.55	+19 21.8	1.835	2.810	3.6	19.6
2 11	9 28.12	+19 37.7	1.809	2.793	2.0	19.5
2 21	9 18.66	+19 46.9	1.812	2.776	5.6	19.7
3 2	9 10.26	+19 46.6	1.844	2.760	9.6	19.9
3 12	9 3.83	+19 35.5	1.899	2.744	13.2	20.1

160760 2000 SV_{103} 2 9.6 152°.11 1°.5/10.7 18

1 2	9 58.52	+ 8 12.1	1.989	2.744	15.5	21.2
1 12	9 53.85	+ 8 26.5	1.903	2.753	12.4	21.0
1 22	9 46.79	+ 8 55.8	1.838	2.761	8.7	20.8
2 1	9 37.90	+ 9 37.3	1.800	2.769	4.6	20.6
2 11	9 28.07	+10 26.6	1.791	2.776	1.5	20.4
2 21	9 18.36	+11 18.2	1.812	2.782	4.8	20.6
3 2	9 9.82	+12 6.9	1.861	2.788	8.9	20.9
3 12	9 3.28	+12 48.3	1.936	2.793	12.4	21.1

131461 2001 QF_{221} 2 9.6 115°.43 2°.2/11.3 18

1 2	9 55.44	+ 7 5.9	2.506	3.247	13.0	19.8
1 12	9 50.88	+ 6 53.7	2.418	3.258	10.5	19.6
1 22	9 44.48	+ 6 52.5	2.354	3.269	7.5	19.5
2 1	9 36.71	+ 7 1.2	2.316	3.279	4.3	19.3
2 11	9 28.28	+ 7 17.5	2.308	3.289	2.2	19.2
2 21	9 19.97	+ 7 38.5	2.330	3.299	4.1	19.3
3 2	9 12.56	+ 8 1.0	2.382	3.309	7.2	19.5
3 12	9 6.69	+ 8 21.7	2.461	3.318	10.1	19.7

237379 1995 US_{67} 2 9.6 183°.32 1°.7/11.2 17

1 2	9 52.17	+ 6 45.2	2.780	3.521	11.9	21.6
1 12	9 48.27	+ 6 56.8	2.681	3.521	9.5	21.4
1 22	9 42.71	+ 7 19.9	2.605	3.521	6.8	21.2
2 1	9 35.90	+ 7 52.9	2.556	3.521	3.8	21.0
2 11	9 28.43	+ 8 33.0	2.537	3.520	1.7	20.9
2 21	9 20.98	+ 9 16.7	2.549	3.519	3.7	21.0
3 2	9 14.26	+10 0.4	2.591	3.518	6.7	21.2
3 12	9 8.86	+10 40.5	2.660	3.516	9.5	21.4

334471 2002 PM_{174} 2 9.6 163°.23 2°.5/ 7.7 18

1 2	9 58.45	+21 41.8	2.288	3.071	12.9	20.9
1 12	9 53.58	+22 2.4	2.202	3.073	10.1	20.7
1 22	9 46.49	+22 26.5	2.139	3.074	6.8	20.5
2 1	9 37.72	+22 49.5	2.104	3.076	3.6	20.3
2 11	9 28.13	+23 6.6	2.099	3.077	2.8	20.2
2 21	9 18.70	+23 14.3	2.123	3.078	5.7	20.4
3 2	9 10.38	+23 10.6	2.176	3.079	9.0	20.6
3 12	9 3.94	+22 55.3	2.254	3.080	12.0	20.8

182107 2000 OC_{35} 2 9.6 185°.09 1°.3/10.7 18

1 2	9 55.58	+ 8 32.5	2.363	3.114	13.4	21.1
1 12	9 51.25	+ 8 46.3	2.266	3.114	10.8	20.9
1 22	9 44.90	+ 9 12.5	2.191	3.113	7.5	20.7
2 1	9 36.99	+ 9 49.0	2.144	3.113	4.0	20.5
2 11	9 28.26	+10 32.2	2.126	3.111	1.3	20.3
2 21	9 19.55	+11 17.8	2.139	3.109	4.2	20.5
3 2	9 11.74	+12 1.4	2.181	3.107	7.8	20.7
3 12	9 5.56	+12 39.3	2.250	3.104	11.0	20.9

61559 2000 QQ_{74} 2 9.6 172°.18 0°.4/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 59.41	+11 31.3	2.061	2.823	14.8	21.7
1 12	9 54.54	+11 51.3	1.970	2.827	11.7	21.4
1 22	9 47.28	+12 23.4	1.902	2.831	8.0	21.2
2 1	9 38.16	+13 4.5	1.860	2.833	3.9	21.0
2 11	9 28.07	+13 49.7	1.849	2.835	0.6	20.7
2 21	9 18.06	+14 33.6	1.867	2.836	4.9	21.0
3 2	9 9.18	+15 11.8	1.914	2.836	9.0	21.3
3 12	9 2.29	+15 41.0	1.987	2.836	12.5	21.5

1770 Schlesinger 2 9.6 67°.60 3°.3/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.96	+20 29.8	1.587	2.389	16.8	15.8
1 12	9 54.93	+21 8.2	1.513	2.396	13.1	15.6
1 22	9 47.90	+21 54.2	1.462	2.402	8.9	15.3
2 1	9 38.53	+22 40.8	1.435	2.408	4.7	15.1
2 11	9 28.02	+23 20.0	1.436	2.415	3.7	15.0
2 21	9 17.77	+23 45.6	1.464	2.422	7.5	15.3
3 2	9 9.14	+23 54.4	1.518	2.428	11.7	15.5
3 12	9 3.12	+23 46.2	1.594	2.435	15.4	15.8

408990 2002 TY_{272} 2 9.6 84°.03 1°.3/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.95	+ 9 34.7	1.809	2.573	16.5	22.1
1 12	9 54.94	+ 9 42.9	1.745	2.601	13.0	21.9
1 22	9 47.44	+10 5.1	1.703	2.629	9.0	21.8
2 1	9 38.15	+10 38.1	1.686	2.656	4.6	21.6
2 11	9 28.10	+11 17.2	1.698	2.683	1.3	21.4
2 21	9 18.42	+11 56.9	1.739	2.710	5.0	21.7
3 2	9 10.17	+12 32.5	1.808	2.736	9.0	22.0
3 12	9 4.12	+13 0.6	1.903	2.761	12.5	22.2

109092 2001 QG_{31} 2 9.6 133°.35 4°.6/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.52	− 5 8.8	2.903	3.580	12.7	19.7
1 12	9 47.64	− 5 7.2	2.810	3.592	10.8	19.6
1 22	9 42.22	− 4 49.0	2.738	3.603	8.5	19.5
2 1	9 35.65	− 4 14.1	2.691	3.615	6.3	19.3
2 11	9 28.51	− 3 23.9	2.673	3.625	4.8	19.2
2 21	9 21.44	− 2 22.0	2.685	3.636	5.0	19.3
3 2	9 15.07	− 1 12.5	2.727	3.646	6.8	19.4
3 12	9 9.95	− 0 0.5	2.796	3.655	9.0	19.6

376429 2012 HS_{7} 2 9.6 305°.24 3°.8/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 50.13	+ 1 5.4	1.719	2.473	17.6	20.9
1 12	9 47.97	+ 1 26.9	1.611	2.454	14.7	20.6
1 22	9 43.28	+ 2 13.7	1.523	2.435	11.0	20.3
2 1	9 36.46	+ 3 25.9	1.458	2.416	6.9	20.1
2 11	9 28.35	+ 4 59.8	1.420	2.398	3.9	19.8
2 21	9 20.04	+ 6 47.8	1.409	2.380	5.8	19.9
3 2	9 12.74	+ 8 39.9	1.426	2.363	10.1	20.1
3 12	9 7.52	+10 26.5	1.467	2.346	14.4	20.3

294069 2007 TA_{176} 2 9.6 183°.01 3°.4/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.09	+24 14.9	2.415	3.202	12.2	21.1
1 12	9 52.48	+24 50.3	2.329	3.202	9.5	20.9
1 22	9 45.74	+25 28.0	2.268	3.202	6.6	20.7
2 1	9 37.38	+26 2.9	2.234	3.202	4.0	20.5
2 11	9 28.23	+26 29.8	2.230	3.201	3.8	20.5
2 21	9 19.19	+26 44.9	2.256	3.201	6.2	20.7
3 2	9 11.20	+26 46.3	2.309	3.200	9.2	20.9
3 12	9 5.00	+26 34.1	2.387	3.199	11.9	21.0

264778 2002 JC_{1} 2 9.6 1°.09 15°.2/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.20	+44 50.0	1.221	2.041	19.8	18.9
1 12	9 57.21	+46 32.0	1.174	2.037	17.5	18.7
1 22	9 50.48	+47 57.0	1.145	2.036	15.8	18.6
2 1	9 39.98	+48 48.9	1.136	2.036	15.2	18.6
2 11	9 27.79	+48 55.3	1.147	2.037	16.0	18.6
2 21	9 16.41	+48 12.8	1.177	2.041	17.8	18.7
3 2	9 7.96	+46 46.0	1.225	2.047	20.2	18.9
3 12	9 3.66	+44 45.4	1.290	2.054	22.5	19.1

437327 2013 RK_{1} 2 9.6 171°.60 9°.3/ 6.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 19.71	+33 58.7	1.226	2.024	21.0	21.3
1 12	10 12.69	+34 31.1	1.156	2.026	17.2	21.1
1 22	10 0.70	+34 56.2	1.105	2.027	13.2	20.8
2 1	9 44.75	+34 59.6	1.077	2.028	9.9	20.6
2 11	9 27.01	+34 29.1	1.074	2.029	9.7	20.6
2 21	9 10.16	+33 21.4	1.097	2.029	12.7	20.8
3 2	8 56.54	+31 42.0	1.144	2.029	16.8	21.0
3 12	8 47.47	+29 42.1	1.212	2.029	20.8	21.3

128700 2004 RA_{100} 2 9.6 78°.35 0°.1/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.16	+13 25.0	1.961	2.733	15.1	20.6
1 12	9 54.19	+13 29.4	1.893	2.756	11.8	20.4
1 22	9 46.89	+13 43.6	1.847	2.779	8.0	20.2
2 1	9 37.89	+14 4.2	1.828	2.802	3.8	20.0
2 11	9 28.16	+14 26.8	1.838	2.824	0.6	19.8
2 21	9 18.77	+14 47.4	1.877	2.847	4.8	20.2
3 2	9 10.69	+15 2.6	1.945	2.869	8.7	20.4
3 12	9 4.67	+15 10.3	2.038	2.890	12.1	20.7

465744 2009 VJ_{87} 2 9.6 90°.92 1°.3/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 54.99	+15 28.1	2.008	2.793	14.4	21.9
1 12	9 51.12	+16 10.2	1.931	2.803	11.2	21.7
1 22	9 44.96	+17 2.4	1.876	2.814	7.5	21.5
2 1	9 37.05	+18 0.0	1.849	2.824	3.5	21.2
2 11	9 28.29	+18 56.8	1.850	2.834	1.7	21.1
2 21	9 19.69	+19 46.8	1.880	2.845	5.4	21.4
3 2	9 12.25	+20 25.8	1.939	2.855	9.2	21.6
3 12	9 6.75	+20 51.6	2.022	2.865	12.6	21.9

296387 2009 FX_{64} 2 9.6 298°.16 0°.4/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.51	+11 14.2	1.581	2.371	17.4	21.3
1 12	9 51.61	+11 32.5	1.486	2.359	13.9	21.0
1 22	9 45.83	+12 7.2	1.412	2.348	9.6	20.7
2 1	9 37.68	+12 55.3	1.362	2.336	4.7	20.4
2 11	9 28.17	+13 50.8	1.339	2.325	0.8	20.1
2 21	9 18.57	+14 46.3	1.343	2.314	6.0	20.4
3 2	9 10.27	+15 35.0	1.373	2.303	11.0	20.7
3 12	9 4.39	+16 12.1	1.425	2.293	15.4	20.9

248916 2006 VF_{90} 2 9.6 108°.52 2°.2/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.82	+18 37.6	2.034	2.815	14.3	20.5
1 12	9 54.75	+19 18.7	1.965	2.836	11.1	20.3
1 22	9 47.31	+20 6.8	1.920	2.856	7.4	20.1
2 1	9 38.11	+20 56.3	1.902	2.876	3.7	19.9
2 11	9 28.13	+21 40.9	1.914	2.895	2.6	19.9
2 21	9 18.44	+22 15.6	1.955	2.913	5.9	20.1
3 2	9 10.05	+22 37.5	2.025	2.931	9.4	20.4
3 12	9 3.74	+22 45.8	2.119	2.949	12.6	20.6

139197 2001 FR_{161} 2 9.6 298°.73 4°.4/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.90	+20 5.3	1.572	2.384	16.5	19.6
1 12	9 51.51	+21 23.9	1.471	2.359	13.0	19.3
1 22	9 46.05	+22 57.1	1.392	2.335	9.0	19.0
2 1	9 37.92	+24 36.7	1.339	2.311	5.2	18.7
2 11	9 28.12	+26 11.5	1.312	2.287	5.1	18.6
2 21	9 18.03	+27 30.8	1.313	2.263	9.1	18.8
3 2	9 9.20	+28 26.8	1.338	2.239	13.7	19.0
3 12	9 2.97	+28 56.8	1.384	2.216	17.8	19.2

136664 1995 QM_{6} 2 9.6 212°.59 1°.9/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.91	+ 6 30.4	2.729	3.468	12.1	21.1
1 12	9 48.93	+ 6 34.4	2.624	3.463	9.8	20.9
1 22	9 43.23	+ 6 49.9	2.543	3.457	7.0	20.7
2 1	9 36.21	+ 7 15.5	2.488	3.452	4.0	20.5
2 11	9 28.48	+ 7 48.9	2.464	3.446	1.9	20.4
2 21	9 20.74	+ 8 26.7	2.470	3.439	3.8	20.5
3 2	9 13.73	+ 9 5.4	2.506	3.433	6.9	20.7
3 12	9 8.06	+ 9 41.3	2.568	3.426	9.7	20.9

167029 2003 QJ_{39} 2 9.6 181°.27 1°.0/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.31	+ 8 16.8	1.968	2.729	15.5	20.7
1 12	9 52.29	+ 8 50.0	1.876	2.730	12.3	20.5
1 22	9 45.88	+ 9 39.9	1.805	2.731	8.6	20.3
2 1	9 37.58	+10 43.3	1.760	2.731	4.4	20.0
2 11	9 28.24	+11 54.7	1.744	2.730	1.1	19.8
2 21	9 18.93	+13 7.4	1.758	2.729	4.9	20.0
3 2	9 10.70	+14 15.0	1.801	2.727	9.1	20.3
3 12	9 4.44	+15 12.6	1.869	2.725	12.8	20.5

300767 2007 VU_{247} 2 9.6 310°.55 7°.2/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 50.36	− 9 5.1	2.311	2.984	15.7	20.8
1 12	9 47.34	− 9 32.4	2.209	2.978	13.7	20.6
1 22	9 42.37	− 9 38.4	2.126	2.973	11.4	20.4
2 1	9 35.88	− 9 20.9	2.065	2.968	9.1	20.2
2 11	9 28.54	− 8 39.9	2.030	2.963	7.5	20.1
2 21	9 21.16	− 7 38.1	2.021	2.958	7.4	20.1
3 2	9 14.59	− 6 20.6	2.040	2.953	9.0	20.2
3 12	9 9.58	− 4 54.7	2.085	2.949	11.4	20.3

271337 2003 WM_{69} 2 9.6 121°.32 2°.1/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.61	+ 5 27.8	2.613	3.347	12.7	21.1
1 12	9 50.17	+ 5 34.9	2.529	3.363	10.2	20.9
1 22	9 43.99	+ 5 54.5	2.468	3.379	7.4	20.7
2 1	9 36.53	+ 6 24.9	2.434	3.395	4.3	20.6
2 11	9 28.45	+ 7 3.5	2.430	3.410	2.2	20.4
2 21	9 20.51	+ 7 46.4	2.456	3.425	3.9	20.6
3 2	9 13.42	+ 8 29.9	2.513	3.440	6.9	20.8
3 12	9 7.78	+ 9 10.2	2.597	3.453	9.6	21.0

124204 2001 OP_{92} 2 9.6 167°.37 3°.2/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.88	+19 3.8	1.779	2.570	15.7	20.7
1 12	9 55.45	+20 9.5	1.699	2.575	12.3	20.4
1 22	9 48.21	+21 25.4	1.641	2.579	8.3	20.2
2 1	9 38.73	+22 44.1	1.609	2.582	4.4	20.0
2 11	9 28.07	+23 56.8	1.607	2.584	3.7	19.9
2 21	9 17.52	+24 55.6	1.633	2.586	7.3	20.2
3 2	9 8.36	+25 36.0	1.686	2.588	11.3	20.4
3 12	9 1.59	+25 56.8	1.763	2.588	14.9	20.6

343658 2010 LA_{61} 2 9.6 13°.82 3°.2/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 52.32	+ 4 6.8	2.258	3.000	14.2	20.6
1 12	9 48.80	+ 3 55.4	2.165	3.001	11.6	20.4
1 22	9 43.31	+ 3 58.4	2.093	3.002	8.6	20.2
2 1	9 36.30	+ 4 15.2	2.046	3.004	5.4	20.0
2 11	9 28.50	+ 4 43.6	2.028	3.005	3.2	19.8
2 21	9 20.75	+ 5 20.0	2.039	3.007	4.7	19.9
3 2	9 13.90	+ 6 0.1	2.078	3.009	7.8	20.1
3 12	9 8.66	+ 6 39.3	2.143	3.011	10.9	20.3

200005 2007 KT_{7} 2 9.6 267°.78 2°.6/11.4 17

1 2	9 56.06	+ 6 42.0	2.246	2.992	14.2	21.4
1 12	9 51.96	+ 6 28.7	2.129	2.971	11.6	21.2
1 22	9 45.64	+ 6 27.8	2.033	2.949	8.4	21.0
2 1	9 37.50	+ 6 38.9	1.964	2.927	5.0	20.7
2 11	9 28.29	+ 6 59.8	1.924	2.905	2.6	20.5
2 21	9 18.90	+ 7 27.3	1.913	2.882	4.8	20.6
3 2	9 10.34	+ 7 57.4	1.931	2.859	8.5	20.8
3 12	9 3.49	+ 8 26.0	1.974	2.835	12.0	21.0

4652 Iannini 2 9.6 83°.94 0°.9/ 9.0 18

1 2	10 3.72	+16 25.4	1.944	2.715	15.3	18.0
1 12	9 57.66	+16 34.2	1.883	2.747	11.9	17.8
1 22	9 49.17	+16 50.4	1.845	2.778	7.9	17.6
2 1	9 38.96	+17 9.6	1.835	2.809	3.7	17.4
2 11	9 28.09	+17 27.1	1.854	2.840	1.2	17.3
2 21	9 17.70	+17 39.1	1.904	2.869	5.2	17.6
3 2	9 8.79	+17 43.2	1.982	2.898	9.0	17.9
3 12	9 2.11	+17 38.6	2.085	2.927	12.3	18.2

464970 2005 XW_{55} 2 9.6 10°.74 6°.5/ 4.9 16

1 2	9 53.85	+26 11.2	1.470	2.293	16.8	20.9
1 12	9 51.39	+27 32.4	1.404	2.296	13.3	20.7
1 22	9 45.77	+28 58.2	1.360	2.299	9.6	20.5
2 1	9 37.65	+30 18.1	1.340	2.303	6.8	20.4
2 11	9 28.28	+31 21.0	1.346	2.308	7.2	20.4
2 21	9 19.15	+31 59.6	1.378	2.314	10.2	20.6
3 2	9 11.72	+32 10.8	1.432	2.320	13.9	20.8
3 12	9 7.04	+31 56.4	1.508	2.328	17.2	21.0

450999 2008 TL_{106} 2 9.6 87°.08 0°.7/ 9.9 15

1 2	9 59.64	+10 38.3	1.499	2.281	18.5	22.9
1 12	9 55.36	+10 57.5	1.433	2.301	14.6	22.7
1 22	9 48.12	+11 33.3	1.387	2.320	10.0	22.5
2 1	9 38.64	+12 21.4	1.365	2.339	4.9	22.2
2 11	9 28.14	+13 15.1	1.371	2.357	0.9	22.0
2 21	9 17.98	+14 7.1	1.404	2.375	5.8	22.4
3 2	9 9.48	+14 51.3	1.464	2.393	10.6	22.7
3 12	9 3.58	+15 23.9	1.548	2.411	14.6	23.0

406478 2007 UZ_{90} 2 9.6 163°.09 0°.3/ 9.8 18

1 2	9 58.82	+11 36.1	2.079	2.842	14.7	23.3
1 12	9 54.06	+11 58.2	1.990	2.848	11.6	23.1
1 22	9 46.96	+12 32.4	1.924	2.854	7.9	22.9
2 1	9 38.06	+13 15.3	1.886	2.858	3.8	22.6
2 11	9 28.22	+14 2.1	1.876	2.863	0.6	22.4
2 21	9 18.49	+14 47.4	1.897	2.866	4.8	22.7
3 2	9 9.87	+15 26.7	1.947	2.869	8.8	22.9
3 12	9 3.21	+15 56.8	2.022	2.871	12.3	23.2

419041 2009 RX_{17} 2 9.6 141°.08 1°.7/10.9 18

1 2	9 54.15	+ 7 3.2	2.076	2.832	14.9	21.8
1 12	9 50.42	+ 7 23.2	1.987	2.837	11.9	21.6
1 22	9 44.50	+ 7 58.8	1.919	2.841	8.4	21.4
2 1	9 36.90	+ 8 47.6	1.878	2.846	4.6	21.1
2 11	9 28.42	+ 9 45.4	1.865	2.850	1.7	20.9
2 21	9 20.00	+10 46.4	1.882	2.854	4.6	21.1
3 2	9 12.61	+11 45.2	1.928	2.857	8.4	21.4
3 12	9 7.02	+12 37.0	1.999	2.861	11.9	21.6

75204 1999 VC_{184} 2 9.6 35°.37 1°.1/ 8.7 18

1 2	9 54.26	+15 7.7	2.017	2.802	14.3	20.0
1 12	9 50.65	+15 42.2	1.930	2.802	11.2	19.8
1 22	9 44.74	+16 27.2	1.866	2.803	7.5	19.5
2 1	9 37.04	+17 18.4	1.828	2.804	3.5	19.3
2 11	9 28.40	+18 10.0	1.819	2.804	1.5	19.1
2 21	9 19.85	+18 56.2	1.839	2.805	5.4	19.4
3 2	9 12.38	+19 32.6	1.887	2.806	9.3	19.6
3 12	9 6.84	+19 56.8	1.960	2.807	12.7	19.9

225153 2008 GK_{64} 2 9.6 192°.93 5°.2/14.3 18

1 2	9 53.51	− 3 32.6	2.264	2.965	15.3	21.3
1 12	9 49.80	− 3 38.0	2.163	2.964	13.0	21.1
1 22	9 44.04	− 3 23.4	2.083	2.962	10.2	20.9
2 1	9 36.69	− 2 48.2	2.026	2.960	7.4	20.7
2 11	9 28.46	− 1 53.8	1.998	2.957	5.4	20.6
2 21	9 20.21	− 0 44.6	1.998	2.955	5.9	20.6
3 2	9 12.84	+ 0 33.8	2.026	2.951	8.3	20.8
3 12	9 7.09	+ 1 54.4	2.082	2.948	11.3	20.9

357146 2002 BU_{12} 2 9.6 317°.67 0°.1/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 56.66	+14 1.7	1.395	2.198	18.7	20.8
1 12	9 53.71	+14 2.4	1.306	2.187	14.9	20.5
1 22	9 47.50	+14 16.4	1.236	2.176	10.2	20.2
2 1	9 38.58	+14 40.4	1.190	2.166	4.9	19.9
2 11	9 28.13	+15 8.2	1.169	2.156	0.9	19.5
2 21	9 17.65	+15 33.6	1.175	2.146	6.6	19.9
3 2	9 8.73	+15 51.0	1.205	2.137	12.0	20.2
3 12	9 2.61	+15 57.2	1.257	2.129	16.8	20.4

6606 Makino 2 9.6 176°.73 1°.7/11.3 18

1 2	9 52.58	+ 6 32.3	2.895	3.632	11.5	18.7
1 12	9 48.54	+ 6 43.3	2.796	3.633	9.3	18.6
1 22	9 42.90	+ 7 5.4	2.720	3.635	6.6	18.4
2 1	9 36.05	+ 7 37.0	2.672	3.635	3.8	18.2
2 11	9 28.58	+ 8 15.6	2.654	3.636	1.7	18.0
2 21	9 21.14	+ 8 57.9	2.666	3.636	3.6	18.2
3 2	9 14.39	+ 9 40.2	2.710	3.636	6.4	18.4
3 12	9 8.91	+10 19.4	2.780	3.635	9.1	18.5

87487 2000 QY_{153} 2 9.6 228°.98 4°.2/13.2 18

1 2	9 53.95	− 0 14.7	2.282	2.999	14.8	20.1
1 12	9 50.19	− 0 14.9	2.173	2.989	12.3	19.9
1 22	9 44.36	+ 0 3.1	2.084	2.979	9.5	19.7
2 1	9 36.87	+ 0 39.4	2.021	2.968	6.4	19.5
2 11	9 28.44	+ 1 32.0	1.986	2.956	4.3	19.3
2 21	9 19.91	+ 2 36.9	1.980	2.944	5.3	19.4
3 2	9 12.21	+ 3 48.3	2.004	2.932	8.2	19.5
3 12	9 6.12	+ 5 0.0	2.054	2.919	11.5	19.7

202216 2004 XW_{124} 2 9.6 7°.24 2°.3/10.7 18

1 2	9 55.58	+10 4.3	1.250	2.052	20.5	19.6
1 12	9 52.94	+ 9 37.7	1.175	2.053	16.5	19.3
1 22	9 46.96	+ 9 27.7	1.119	2.054	11.6	19.0
2 1	9 38.28	+ 9 33.0	1.084	2.056	6.2	18.7
2 11	9 28.21	+ 9 49.6	1.074	2.059	2.3	18.5
2 21	9 18.32	+10 11.7	1.089	2.063	6.5	18.8
3 2	9 10.19	+10 33.5	1.128	2.068	11.9	19.1
3 12	9 4.99	+10 49.6	1.189	2.074	16.6	19.3

13551 Gadsden 2 9.6 335°.74 0°.4/ 9.7 17

1 2	9 46.92	+16 5.0	0.991	1.838	21.3	18.6
1 12	9 47.63	+15 26.7	0.883	1.790	17.4	18.2
1 22	9 44.54	+14 55.6	0.792	1.743	12.4	17.7
2 1	9 37.73	+14 29.7	0.720	1.698	6.2	17.2
2 11	9 28.21	+14 4.7	0.668	1.655	1.0	16.7
2 21	9 17.73	+13 35.5	0.638	1.615	8.5	17.0
3 2	9 8.67	+12 58.0	0.626	1.578	16.0	17.1
3 12	9 3.24	+12 9.6	0.631	1.544	22.9	17.3

300399 2007 RW_{256} 2 9.6 43°.90 3°.9/ 7.4 18

1 2	9 59.85	+21 43.9	1.410	2.222	18.1	20.2
1 12	9 56.01	+22 19.7	1.343	2.229	14.1	20.0
1 22	9 48.84	+23 2.5	1.295	2.237	9.6	19.7
2 1	9 39.08	+23 44.1	1.272	2.245	5.3	19.5
2 11	9 28.09	+24 16.0	1.275	2.253	4.4	19.5
2 21	9 17.46	+24 31.7	1.304	2.262	8.2	19.7
3 2	9 8.70	+24 28.6	1.358	2.270	12.7	20.0
3 12	9 2.86	+24 7.5	1.434	2.280	16.6	20.3

312095 2007 TM_{114} 2 9.6 113°.31 0°.5/ 9.9 18

1 2	9 59.87	+11 25.3	1.858	2.626	16.0	21.6
1 12	9 55.01	+11 42.5	1.784	2.644	12.6	21.4
1 22	9 47.63	+12 12.5	1.732	2.662	8.6	21.2
2 1	9 38.36	+12 51.8	1.706	2.679	4.2	21.0
2 11	9 28.22	+13 35.0	1.709	2.695	0.7	20.7
2 21	9 18.34	+14 16.6	1.741	2.711	5.1	21.1
3 2	9 9.80	+14 52.0	1.802	2.726	9.2	21.4
3 12	9 3.45	+15 18.1	1.888	2.741	12.8	21.6

63733 2001 QK_{244} 2 9.6 287°.08 0°.3/ 9.8 18

1 2	9 52.62	+11 39.5	2.299	3.068	13.2	19.3
1 12	9 49.08	+12 0.7	2.203	3.065	10.5	19.1
1 22	9 43.54	+12 33.0	2.130	3.061	7.2	18.9
2 1	9 36.45	+13 13.5	2.084	3.058	3.5	18.7
2 11	9 28.53	+13 58.2	2.068	3.054	0.5	18.4
2 21	9 20.64	+14 42.3	2.081	3.051	4.4	18.7
3 2	9 13.64	+15 21.6	2.122	3.047	8.0	18.9
3 12	9 8.26	+15 52.9	2.190	3.044	11.3	19.1

287421 2002 WN_{21} 2 9.6 66°.98 7°.5/15.9 18

1 2	9 53.81	− 8 2.6	2.267	2.940	16.0	20.4
1 12	9 49.96	− 8 57.1	2.179	2.949	13.9	20.2
1 22	9 44.10	− 9 32.3	2.111	2.957	11.5	20.1
2 1	9 36.70	− 9 45.5	2.066	2.966	9.3	20.0
2 11	9 28.49	− 9 36.1	2.046	2.974	7.8	19.9
2 21	9 20.34	− 9 6.1	2.053	2.983	7.8	19.9
3 2	9 13.11	− 8 19.8	2.087	2.992	9.3	20.0
3 12	9 7.53	− 7 23.4	2.146	3.001	11.5	20.1

344067 1995 WK_{38} 2 9.6 179°.99 3°.7/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 55.86	+25 43.4	2.595	3.382	11.4	21.2
1 12	9 51.44	+26 27.7	2.511	3.383	9.0	21.0
1 22	9 45.03	+27 13.6	2.451	3.383	6.3	20.9
2 1	9 37.11	+27 55.9	2.420	3.383	4.1	20.7
2 11	9 28.44	+28 29.5	2.418	3.383	4.1	20.7
2 21	9 19.88	+28 50.6	2.445	3.383	6.3	20.9
3 2	9 12.26	+28 57.3	2.501	3.382	8.9	21.0
3 12	9 6.31	+28 49.7	2.581	3.382	11.4	21.2

399490 2002 TR_{133} 2 9.6 104°.74 3°.6/12.6 18

1 2	9 58.18	+ 1 54.4	2.092	2.817	15.7	22.2
1 12	9 53.32	+ 1 54.8	2.018	2.843	12.8	22.1
1 22	9 46.29	+ 2 12.8	1.966	2.868	9.5	21.9
2 1	9 37.69	+ 2 47.4	1.939	2.892	6.0	21.7
2 11	9 28.36	+ 3 35.2	1.941	2.916	3.7	21.6
2 21	9 19.26	+ 4 31.3	1.973	2.939	5.0	21.7
3 2	9 11.32	+ 5 30.1	2.034	2.961	8.2	22.0
3 12	9 5.25	+ 6 26.3	2.121	2.983	11.3	22.2

408243 2013 EA_{116} 2 9.6 37°.13 4°.9/ 6.9 18

1 2	9 59.69	+23 21.9	1.394	2.209	18.1	20.6
1 12	9 56.02	+24 9.3	1.326	2.214	14.2	20.3
1 22	9 48.93	+25 2.8	1.278	2.219	9.8	20.1
2 1	9 39.17	+25 53.3	1.254	2.225	5.9	19.9
2 11	9 28.10	+26 31.1	1.257	2.231	5.4	19.9
2 21	9 17.36	+26 49.4	1.285	2.237	9.0	20.1
3 2	9 8.52	+26 45.7	1.337	2.243	13.3	20.4
3 12	9 2.67	+26 21.5	1.411	2.250	17.2	20.6

125823 2001 XD_{172} 2 9.6 69°.75 0°.9/ 9.0 18

1 2	9 59.36	+13 52.8	1.394	2.191	19.0	20.1
1 12	9 55.36	+14 26.6	1.334	2.212	14.8	19.9
1 22	9 48.23	+15 15.2	1.294	2.233	9.9	19.6
2 1	9 38.74	+16 12.5	1.278	2.254	4.6	19.4
2 11	9 28.20	+17 10.0	1.289	2.275	1.4	19.2
2 21	9 18.09	+18 0.0	1.327	2.296	6.5	19.6
3 2	9 9.79	+18 36.9	1.391	2.316	11.3	19.9
3 12	9 4.25	+18 58.4	1.478	2.337	15.4	20.2

249697 2000 EF_{16} 2 9.6 30°.56 0°.5/ 9.9 18

1 2	9 54.75	+11 17.9	1.517	2.309	17.9	21.2
1 12	9 51.70	+11 34.6	1.441	2.315	14.2	20.9
1 22	9 45.79	+12 7.4	1.384	2.320	9.7	20.7
2 1	9 37.64	+12 52.5	1.352	2.327	4.7	20.4
2 11	9 28.36	+13 43.6	1.347	2.333	0.8	20.1
2 21	9 19.25	+14 33.7	1.368	2.340	5.8	20.5
3 2	9 11.62	+15 16.4	1.416	2.348	10.6	20.8
3 12	9 6.44	+15 47.6	1.486	2.355	14.8	21.0

275063 2009 UX_{120} 2 9.6 61°.59 1°.0/ 8.9 18

1 2	9 57.02	+15 30.8	1.790	2.578	15.7	21.0
1 12	9 52.89	+15 54.7	1.722	2.596	12.3	20.8
1 22	9 46.24	+16 28.5	1.677	2.614	8.2	20.6
2 1	9 37.72	+17 7.6	1.657	2.633	3.8	20.4
2 11	9 28.36	+17 45.9	1.666	2.651	1.4	20.2
2 21	9 19.31	+18 18.2	1.703	2.670	5.6	20.5
3 2	9 11.65	+18 40.6	1.768	2.689	9.6	20.8
3 12	9 6.17	+18 51.4	1.857	2.708	13.1	21.1

102374 1999 TY_{144} 2 9.6 69°.23 2°.3/ 8.3 18

1 2	10 0.50	+18 58.5	1.555	2.354	17.2	19.7
1 12	9 56.11	+19 19.9	1.485	2.365	13.5	19.5
1 22	9 48.70	+19 49.4	1.436	2.375	9.1	19.3
2 1	9 38.97	+20 20.8	1.411	2.386	4.4	19.0
2 11	9 28.16	+20 47.3	1.414	2.397	2.7	18.9
2 21	9 17.68	+21 3.2	1.445	2.408	6.9	19.2
3 2	9 8.89	+21 5.7	1.502	2.419	11.3	19.5
3 12	9 2.76	+20 54.2	1.582	2.430	15.1	19.8

298812 2004 RZ_{56} 2 9.6 184°.84 1°.2/10.4 18

1 2	9 59.22	+ 9 27.5	1.895	2.657	15.9	22.1
1 12	9 54.69	+ 9 38.3	1.803	2.657	12.8	21.9
1 22	9 47.59	+10 3.6	1.731	2.657	8.9	21.6
2 1	9 38.47	+10 40.8	1.686	2.656	4.6	21.4
2 11	9 28.24	+11 25.3	1.669	2.655	1.3	21.1
2 21	9 18.05	+12 11.6	1.682	2.653	5.1	21.4
3 2	9 9.05	+12 54.4	1.723	2.650	9.4	21.6
3 12	9 2.18	+13 29.5	1.789	2.646	13.3	21.8

304994 2007 TR_{248} 2 9.6 53°.57 0°.4/ 9.8 18

1 2	9 58.96	+13 2.0	1.494	2.284	18.2	20.6
1 12	9 55.01	+12 59.1	1.418	2.292	14.4	20.4
1 22	9 48.03	+13 9.0	1.364	2.299	9.9	20.1
2 1	9 38.70	+13 28.5	1.333	2.307	4.8	19.8
2 11	9 28.21	+13 52.2	1.329	2.315	0.8	19.6
2 21	9 17.98	+14 14.6	1.352	2.323	6.0	20.0
3 2	9 9.36	+14 31.0	1.401	2.332	10.8	20.3
3 12	9 3.37	+14 38.6	1.474	2.340	15.0	20.5

502892 2015 DJ_{222} 2 9.6 357°.63 3°.7/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 50.61	+ 0 58.3	2.174	2.909	14.9	21.1
1 12	9 47.61	+ 1 5.5	2.079	2.908	12.4	20.9
1 22	9 42.61	+ 1 31.2	2.004	2.907	9.3	20.7
2 1	9 36.05	+ 2 14.9	1.955	2.907	6.1	20.5
2 11	9 28.66	+ 3 13.6	1.933	2.907	3.8	20.4
2 21	9 21.29	+ 4 22.6	1.939	2.907	4.9	20.5
3 2	9 14.81	+ 5 35.8	1.975	2.907	8.0	20.7
3 12	9 9.95	+ 6 47.1	2.036	2.907	11.3	20.9

101666 1999 CT_{92} 2 9.6 244°.80 3°.3/ 7.7 18

1 2	10 2.59	+23 14.9	1.934	2.721	14.7	18.7
1 12	9 57.42	+23 30.2	1.842	2.715	11.6	18.5
1 22	9 49.48	+23 48.4	1.773	2.709	8.0	18.3
2 1	9 39.36	+24 3.7	1.731	2.702	4.5	18.0
2 11	9 28.13	+24 10.2	1.718	2.695	3.6	18.0
2 21	9 17.03	+24 4.1	1.733	2.688	6.8	18.2
3 2	9 7.30	+23 43.6	1.777	2.681	10.7	18.4
3 12	8 59.93	+23 9.6	1.844	2.673	14.2	18.6

64894 2001 YN_{79} 2 9.6 176°.34 3°.4/ 7.0 18

1 2	9 59.79	+20 13.9	1.901	2.690	14.9	19.9
1 12	9 55.25	+21 15.5	1.818	2.693	11.7	19.7
1 22	9 48.04	+22 25.6	1.758	2.695	7.9	19.4
2 1	9 38.70	+23 37.1	1.724	2.696	4.3	19.2
2 11	9 28.24	+24 41.8	1.720	2.696	3.8	19.2
2 21	9 17.85	+25 32.9	1.745	2.696	7.1	19.4
3 2	9 8.77	+26 6.3	1.797	2.695	10.9	19.6
3 12	9 1.94	+26 21.1	1.873	2.694	14.3	19.8

283471 2001 QW_{172} 2 9.6 121°.16 3°.2/11.7 18

1 2	9 58.88	+ 5 3.4	1.637	2.394	18.2	21.3
1 12	9 54.65	+ 4 57.5	1.558	2.406	14.8	21.1
1 22	9 47.66	+ 5 10.7	1.499	2.417	10.7	20.9
2 1	9 38.51	+ 5 41.9	1.464	2.427	6.3	20.6
2 11	9 28.28	+ 6 27.1	1.456	2.437	3.3	20.5
2 21	9 18.22	+ 7 20.2	1.476	2.447	5.7	20.6
3 2	9 9.58	+ 8 14.5	1.523	2.456	10.0	20.9
3 12	9 3.31	+ 9 3.9	1.595	2.465	13.9	21.2

367513 2009 OY_{3} 2 9.6 201°.29 1°.7/ 7.9 18

1 2	9 56.00	+15 49.1	2.453	3.224	12.5	21.8
1 12	9 51.71	+16 53.3	2.354	3.219	9.7	21.6
1 22	9 45.36	+18 7.9	2.279	3.214	6.5	21.4
2 1	9 37.37	+19 28.0	2.233	3.208	3.1	21.2
2 11	9 28.46	+20 47.4	2.219	3.201	2.0	21.1
2 21	9 19.50	+21 59.9	2.235	3.193	5.2	21.3
3 2	9 11.39	+23 0.7	2.281	3.185	8.6	21.5
3 12	9 4.90	+23 47.3	2.353	3.176	11.7	21.7

503594 2016 GC_{68} 2 9.6 266°.09 2°.0/ 8.0 17

1 2	9 55.09	+17 31.9	2.081	2.868	13.9	21.6
1 12	9 51.43	+18 13.9	1.980	2.855	10.9	21.3
1 22	9 45.41	+19 5.4	1.903	2.841	7.4	21.1
2 1	9 37.47	+20 1.6	1.853	2.827	3.6	20.8
2 11	9 28.45	+20 56.2	1.831	2.813	2.4	20.7
2 21	9 19.36	+21 43.2	1.839	2.799	5.9	20.9
3 2	9 11.28	+22 18.2	1.874	2.785	9.8	21.1
3 12	9 5.11	+22 38.8	1.934	2.771	13.3	21.3

496616 2015 HH_{3} 2 9.6 72°.04 2°.9/11.8 18

1 2	9 54.66	+ 5 31.4	2.271	3.014	14.1	21.1
1 12	9 50.57	+ 5 13.9	2.185	3.023	11.5	20.9
1 22	9 44.48	+ 5 9.4	2.120	3.032	8.4	20.7
2 1	9 36.89	+ 5 17.1	2.082	3.041	5.1	20.5
2 11	9 28.56	+ 5 34.9	2.072	3.050	2.9	20.4
2 21	9 20.35	+ 5 59.5	2.091	3.059	4.5	20.5
3 2	9 13.10	+ 6 27.1	2.139	3.069	7.7	20.7
3 12	9 7.51	+ 6 53.9	2.214	3.078	10.8	20.9

18527 1996 VJ_{30} 2 9.6 143°.29 3°.1/11.8 18

1 2	9 58.11	+ 4 48.2	1.920	2.665	16.3	18.3
1 12	9 53.67	+ 4 43.4	1.834	2.674	13.3	18.1
1 22	9 46.80	+ 4 55.3	1.769	2.683	9.7	17.9
2 1	9 38.06	+ 5 22.9	1.729	2.690	5.8	17.7
2 11	9 28.37	+ 6 2.9	1.718	2.698	3.1	17.5
2 21	9 18.78	+ 6 50.3	1.735	2.705	5.2	17.7
3 2	9 10.38	+ 7 39.7	1.781	2.711	9.0	17.9
3 12	9 4.01	+ 8 25.7	1.852	2.717	12.5	18.2

77300 2001 FD_{76} 2 9.6 334°.93 1°.5/ 8.7 18

1 2	9 53.29	+14 50.9	1.421	2.230	18.1	19.3
1 12	9 51.00	+15 27.1	1.336	2.222	14.2	19.1
1 22	9 45.63	+16 19.0	1.272	2.214	9.7	18.8
2 1	9 37.73	+17 21.2	1.231	2.207	4.5	18.5
2 11	9 28.40	+18 25.1	1.215	2.200	2.0	18.3
2 21	9 19.09	+19 22.1	1.226	2.195	7.0	18.6
3 2	9 11.27	+20 5.3	1.262	2.189	12.1	18.8
3 12	9 6.09	+20 31.0	1.320	2.185	16.6	19.1

176803 2002 TO_{10} 2 9.6 92°.85 1°.4/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 59.81	+16 9.7	1.813	2.596	15.8	21.3
1 12	9 55.04	+16 41.5	1.746	2.617	12.3	21.1
1 22	9 47.69	+17 22.8	1.701	2.637	8.2	20.9
2 1	9 38.43	+18 8.4	1.683	2.658	3.8	20.7
2 11	9 28.32	+18 51.9	1.693	2.678	1.8	20.6
2 21	9 18.54	+19 27.8	1.733	2.697	5.8	20.9
3 2	9 10.19	+19 52.2	1.800	2.716	9.8	21.2
3 12	9 4.10	+20 3.9	1.891	2.735	13.2	21.4

143228 2002 YV_{17} 2 9.6 100°.19 1°.6/ 8.3 18

1 2	9 59.00	+16 12.1	1.977	2.757	14.8	20.6
1 12	9 54.20	+16 59.3	1.911	2.780	11.4	20.4
1 22	9 47.03	+17 55.9	1.868	2.803	7.6	20.2
2 1	9 38.10	+18 56.1	1.851	2.826	3.6	20.0
2 11	9 28.39	+19 53.6	1.865	2.848	2.0	20.0
2 21	9 18.96	+20 42.4	1.908	2.870	5.6	20.2
3 2	9 10.83	+21 18.8	1.979	2.891	9.3	20.5
3 12	9 4.78	+21 41.1	2.075	2.911	12.6	20.8

307414 2002 TY_{191} 2 9.6 155°.98 2°.3/ 8.2 18

1 2	10 2.77	+20 35.6	1.896	2.680	15.1	20.3
1 12	9 57.45	+20 46.8	1.812	2.683	11.9	20.1
1 22	9 49.43	+21 2.6	1.750	2.686	8.1	19.8
2 1	9 39.32	+21 18.0	1.716	2.689	4.1	19.6
2 11	9 28.19	+21 27.6	1.710	2.692	2.7	19.5
2 21	9 17.27	+21 27.4	1.734	2.694	6.2	19.7
3 2	9 7.79	+21 15.4	1.785	2.696	10.2	20.0
3 12	9 0.64	+20 51.9	1.861	2.698	13.7	20.2

398015 2009 CB_{64} 2 9.6 297°.05 3°.2/ 7.5 18

1 2	9 55.54	+18 38.1	1.514	2.323	17.1	21.1
1 12	9 52.82	+19 29.0	1.419	2.305	13.5	20.9
1 22	9 46.97	+20 33.0	1.344	2.286	9.3	20.6
2 1	9 38.44	+21 43.2	1.293	2.268	4.8	20.2
2 11	9 28.29	+22 50.3	1.269	2.250	3.8	20.1
2 21	9 17.98	+23 45.0	1.272	2.232	8.1	20.3
3 2	9 9.05	+24 20.8	1.300	2.214	12.9	20.6
3 12	9 2.80	+24 35.5	1.349	2.197	17.3	20.8

419547 2010 OV_{74} 2 9.6 349°.25 0°.3/ 9.9 18

1 2	9 50.41	+ 6 11.7	2.028	2.791	15.0	20.1
1 12	9 47.73	+ 7 42.4	1.931	2.788	11.9	19.9
1 22	9 42.88	+ 9 35.8	1.856	2.785	8.2	19.6
2 1	9 36.27	+11 46.9	1.810	2.782	4.0	19.4
2 11	9 28.68	+14 7.6	1.794	2.780	0.6	19.1
2 21	9 21.03	+16 27.6	1.809	2.779	5.0	19.4
3 2	9 14.30	+18 37.4	1.854	2.777	9.1	19.7
3 12	9 9.34	+20 30.0	1.926	2.776	12.8	19.9

384265 2009 FJ_{33} 2 9.6 331°.02 9°.3/ 3.7 17

1 2	10 6.41	+40 17.0	1.939	2.723	14.8	20.0
1 12	10 0.92	+41 1.1	1.859	2.710	12.6	19.9
1 22	9 52.08	+41 35.6	1.800	2.697	10.5	19.7
2 1	9 40.66	+41 50.8	1.765	2.684	9.4	19.6
2 11	9 28.01	+41 38.8	1.757	2.672	9.8	19.6
2 21	9 15.74	+40 56.4	1.774	2.660	11.6	19.7
3 2	9 5.36	+39 45.3	1.816	2.650	14.0	19.8
3 12	8 57.92	+38 11.0	1.879	2.639	16.5	20.0

51834 2001 OV_{47} 2 9.6 83°.87 1°.0/10.6 18

1 2	9 52.16	+ 8 10.6	2.281	3.040	13.6	18.9
1 12	9 48.66	+ 8 44.9	2.197	3.050	10.8	18.7
1 22	9 43.23	+ 9 33.2	2.136	3.061	7.5	18.5
2 1	9 36.34	+10 32.6	2.102	3.072	3.9	18.3
2 11	9 28.72	+11 38.3	2.097	3.082	1.0	18.1
2 21	9 21.19	+12 44.9	2.122	3.093	4.2	18.4
3 2	9 14.59	+13 47.2	2.176	3.103	7.7	18.6
3 12	9 9.59	+14 41.2	2.256	3.114	10.9	18.8

9003 Ralphmilliken 2 9.6 89°.07 0°.7/ 9.0 18

1 2	9 54.50	+13 37.5	1.989	2.770	14.6	17.6
1 12	9 50.84	+14 17.3	1.909	2.778	11.4	17.4
1 22	9 44.89	+15 9.1	1.851	2.786	7.7	17.2
2 1	9 37.18	+16 8.2	1.819	2.794	3.6	17.0
2 11	9 28.58	+17 8.8	1.816	2.802	1.1	16.8
2 21	9 20.11	+18 4.6	1.843	2.810	5.2	17.1
3 2	9 12.76	+18 50.8	1.897	2.818	9.1	17.4
3 12	9 7.34	+19 24.4	1.976	2.825	12.5	17.6

468656 2008 UY_{355} 2 9.6 177°.05 4°.8/ 4.9 17

1 2	9 56.92	+27 38.8	2.432	3.222	12.0	21.9
1 12	9 52.53	+28 45.1	2.351	3.223	9.5	21.7
1 22	9 45.94	+29 52.9	2.296	3.224	6.9	21.6
2 1	9 37.66	+30 55.4	2.268	3.225	5.0	21.4
2 11	9 28.51	+31 46.3	2.270	3.225	5.3	21.5
2 21	9 19.44	+32 21.0	2.301	3.225	7.4	21.6
3 2	9 11.41	+32 37.3	2.359	3.225	10.0	21.8
3 12	9 5.21	+32 35.6	2.440	3.224	12.5	21.9

192280 3534 $T\text{-}_3$ 2 9.6 114°.85 1°.6/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	10 1.40	+16 47.4	1.917	2.695	15.2	21.2
1 12	9 56.18	+17 23.5	1.847	2.716	11.8	21.0
1 22	9 48.43	+18 8.3	1.800	2.736	7.9	20.8
2 1	9 38.81	+18 56.5	1.780	2.755	3.7	20.6
2 11	9 28.34	+19 41.8	1.790	2.773	2.0	20.5
2 21	9 18.16	+20 18.6	1.829	2.791	5.7	20.8
3 2	9 9.37	+20 43.5	1.896	2.808	9.6	21.1
3 12	9 2.79	+20 55.3	1.988	2.825	13.0	21.3

429028 2009 BB_{172} 2 9.6 2°.86 3°.7/12.8 18

1 2	9 44.97	+ 0 32.6	1.500	2.272	19.0	19.8
1 12	9 44.11	+ 1 9.5	1.417	2.271	15.6	19.6
1 22	9 40.73	+ 2 15.5	1.353	2.271	11.6	19.3
2 1	9 35.34	+ 3 49.4	1.311	2.272	7.2	19.1
2 11	9 28.88	+ 5 44.7	1.295	2.276	3.8	18.9
2 21	9 22.46	+ 7 51.1	1.306	2.280	5.7	19.0
3 2	9 17.27	+ 9 56.8	1.344	2.287	10.0	19.3
3 12	9 14.23	+11 51.2	1.405	2.294	14.2	19.5

140106 2001 SV_{133} 2 9.6 19°.80 7°.6/17.6 18

1 2	9 49.97	−11 41.0	2.287	2.944	16.2	19.8
1 12	9 47.07	−11 54.3	2.190	2.945	14.3	19.7
1 22	9 42.24	−11 43.6	2.112	2.947	12.0	19.5
2 1	9 35.92	−11 6.6	2.056	2.949	9.7	19.3
2 11	9 28.79	−10 4.0	2.024	2.951	8.0	19.2
2 21	9 21.69	− 8 39.1	2.020	2.953	7.7	19.2
3 2	9 15.43	− 6 58.4	2.043	2.955	9.0	19.3
3 12	9 10.73	− 5 9.8	2.093	2.958	11.3	19.5

199843 2007 EX_{53} 2 9.6 210°.18 1°.5/ 8.3 17

1 2	9 56.22	+17 13.1	2.471	3.245	12.3	21.5
1 12	9 51.83	+17 46.5	2.372	3.239	9.6	21.3
1 22	9 45.41	+18 27.3	2.298	3.233	6.5	21.0
2 1	9 37.41	+19 11.5	2.252	3.226	3.1	20.8
2 11	9 28.56	+19 54.2	2.236	3.219	1.8	20.7
2 21	9 19.71	+20 31.0	2.250	3.211	4.9	20.9
3 2	9 11.74	+20 58.5	2.293	3.203	8.3	21.1
3 12	9 5.40	+21 14.9	2.362	3.194	11.3	21.3

208226 2000 SO_{226} 2 9.6 120°.01 1°.0/ 8.8 18

1 2	10 0.35	+14 6.5	2.045	2.813	14.7	21.6
1 12	9 55.20	+14 57.1	1.974	2.837	11.4	21.4
1 22	9 47.71	+15 58.8	1.926	2.859	7.6	21.3
2 1	9 38.47	+17 6.2	1.906	2.880	3.5	21.0
2 11	9 28.42	+18 12.7	1.916	2.901	1.4	20.9
2 21	9 18.60	+19 12.2	1.956	2.920	5.3	21.2
3 2	9 10.04	+20 0.2	2.026	2.939	9.1	21.5
3 12	9 3.52	+20 34.5	2.121	2.956	12.3	21.7

239802 1995 UD_{14} 2 9.6 247°.34 3°.7/13.3 17

1 2	9 51.83	− 0 12.6	2.796	3.504	12.5	21.3
1 12	9 48.18	− 0 14.9	2.679	3.489	10.5	21.1
1 22	9 42.85	− 0 2.6	2.584	3.474	8.0	20.9
2 1	9 36.19	+ 0 24.5	2.516	3.459	5.5	20.7
2 11	9 28.77	+ 1 4.8	2.476	3.443	3.8	20.6
2 21	9 21.28	+ 1 55.3	2.466	3.427	4.5	20.6
3 2	9 14.41	+ 2 51.9	2.485	3.411	7.0	20.8
3 12	9 8.80	+ 3 50.1	2.532	3.394	9.7	20.9

169356 2001 UY_{40} 2 9.6 103°.26 4°.3/ 5.5 18

1 2	9 57.57	+27 52.2	2.623	3.408	11.4	20.7
1 12	9 52.68	+28 46.4	2.559	3.427	8.9	20.5
1 22	9 45.82	+29 40.3	2.519	3.446	6.4	20.4
2 1	9 37.52	+30 28.3	2.508	3.465	4.6	20.3
2 11	9 28.58	+31 5.1	2.526	3.483	4.7	20.3
2 21	9 19.87	+31 27.4	2.574	3.501	6.6	20.5
3 2	9 12.21	+31 33.9	2.650	3.518	9.0	20.7
3 12	9 6.25	+31 25.3	2.750	3.535	11.2	20.8

358656 2007 VY_{325} 2 9.6 161°.54 3°.2/ 7.1 18

1 2	9 59.54	+20 43.5	2.013	2.799	14.3	21.2
1 12	9 54.89	+21 40.5	1.932	2.805	11.1	21.0
1 22	9 47.70	+22 44.5	1.874	2.810	7.6	20.8
2 1	9 38.56	+23 49.0	1.844	2.815	4.2	20.6
2 11	9 28.40	+24 46.5	1.843	2.819	3.7	20.5
2 21	9 18.37	+25 31.0	1.872	2.822	6.8	20.7
3 2	9 9.58	+25 59.1	1.928	2.825	10.3	20.9
3 12	9 2.93	+26 9.9	2.008	2.827	13.5	21.2

111529 2001 YH_{112} 2 9.6 22°.73 1°.4/10.7 18

1 2	9 51.75	+ 7 53.8	1.537	2.323	18.0	19.3
1 12	9 49.32	+ 8 19.0	1.461	2.329	14.4	19.1
1 22	9 44.20	+ 9 4.2	1.404	2.336	10.0	18.8
2 1	9 36.97	+10 6.1	1.371	2.343	5.2	18.6
2 11	9 28.66	+11 18.1	1.365	2.351	1.4	18.3
2 21	9 20.49	+12 32.3	1.386	2.360	5.5	18.6
3 2	9 13.68	+13 40.7	1.433	2.369	10.2	18.9
3 12	9 9.17	+14 37.5	1.504	2.379	14.3	19.2

305842 2009 DY_{142} 2 9.6 282°.91 4°.8/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 50.42	− 3 5.6	2.498	3.201	14.0	21.0
1 12	9 47.25	− 3 11.0	2.394	3.196	11.8	20.8
1 22	9 42.29	− 2 58.7	2.311	3.191	9.3	20.7
2 1	9 35.93	− 2 28.0	2.252	3.186	6.7	20.5
2 11	9 28.83	− 1 40.5	2.221	3.181	4.9	20.4
2 21	9 21.69	− 0 39.7	2.219	3.176	5.4	20.4
3 2	9 15.30	+ 0 29.6	2.245	3.171	7.6	20.5
3 12	9 10.32	+ 1 41.6	2.298	3.166	10.3	20.7

243072 2007 HH_3 2 9.6 358°.08 2°.6/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.97	+ 5 57.2	1.799	2.564	16.5	20.6
1 12	9 49.93	+ 5 59.9	1.710	2.563	13.4	20.4
1 22	9 44.46	+ 6 20.1	1.641	2.562	9.7	20.2
2 1	9 37.07	+ 6 56.5	1.596	2.562	5.6	19.9
2 11	9 28.65	+ 7 45.3	1.579	2.562	2.6	19.7
2 21	9 20.26	+ 8 40.7	1.590	2.562	5.2	19.9
3 2	9 13.01	+ 9 36.6	1.628	2.562	9.3	20.1
3 12	9 7.79	+10 27.1	1.690	2.563	13.1	20.3

92411 2000 JC_{37} 2 9.6 225°.87 3°.9/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.52	+21 36.6	1.801	2.595	15.4	20.4
1 12	9 56.18	+22 33.1	1.709	2.586	12.2	20.2
1 22	9 48.93	+23 37.7	1.639	2.576	8.4	19.9
2 1	9 39.29	+24 43.1	1.596	2.566	4.8	19.7
2 11	9 28.29	+25 40.7	1.581	2.555	4.4	19.6
2 21	9 17.24	+26 23.2	1.594	2.544	7.8	19.8
3 2	9 7.54	+26 46.4	1.634	2.532	11.8	20.0
3 12	9 0.27	+26 49.8	1.697	2.519	15.5	20.2

257854 2000 PG_8 2 9.6 274°.81 8°.7/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 4.15	− 4 39.6	2.105	2.782	16.9	20.1
1 12	9 58.71	− 6 23.4	1.982	2.758	14.9	19.9
1 22	9 50.58	− 7 55.3	1.880	2.733	12.4	19.7
2 1	9 40.12	− 9 10.1	1.803	2.708	10.1	19.5
2 11	9 28.13	−10 3.8	1.754	2.683	8.8	19.4
2 21	9 15.72	−10 34.4	1.733	2.657	9.4	19.3
3 2	9 4.13	−10 43.0	1.740	2.631	11.6	19.4
3 12	8 54.49	−10 34.3	1.772	2.605	14.5	19.5

33225 1998 FA_{118} 2 9.6 307°.14 2°.3/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.55	+ 6 53.7	2.274	3.028	13.8	19.3
1 12	9 49.12	+ 6 47.7	2.171	3.018	11.2	19.1
1 22	9 43.67	+ 6 54.4	2.090	3.008	8.1	18.9
2 1	9 36.64	+ 7 12.9	2.034	2.998	4.7	18.6
2 11	9 28.73	+ 7 40.7	2.007	2.989	2.3	18.4
2 21	9 20.79	+ 8 14.1	2.009	2.980	4.4	18.6
3 2	9 13.70	+ 8 48.9	2.040	2.971	7.9	18.8
3 12	9 8.22	+ 9 21.2	2.096	2.962	11.2	19.0

207839 2007 UU_{42} 2 9.6 57°.05 5°.1/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.61	+22 39.0	2.006	2.805	13.9	19.3
1 12	9 51.08	+24 51.1	1.947	2.827	10.7	19.2
1 22	9 45.15	+27 9.9	1.914	2.849	7.5	19.0
2 1	9 37.36	+29 25.2	1.910	2.872	5.2	18.9
2 11	9 28.63	+31 26.6	1.936	2.894	5.8	19.0
2 21	9 20.03	+33 6.2	1.992	2.916	8.4	19.2
3 2	9 12.63	+34 19.8	2.075	2.939	11.3	19.4
3 12	9 7.27	+35 7.5	2.180	2.961	13.9	19.6

225862 2001 XR_{201} 2 9.6 138°.17 2°.7/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.92	+ 5 6.5	2.108	2.852	15.1	21.4
1 12	9 51.78	+ 5 5.5	2.019	2.859	12.2	21.2
1 22	9 45.46	+ 5 19.7	1.953	2.866	8.9	21.0
2 1	9 37.46	+ 5 48.2	1.911	2.873	5.3	20.8
2 11	9 28.62	+ 6 27.6	1.899	2.879	2.8	20.7
2 21	9 19.85	+ 7 13.5	1.916	2.885	4.7	20.8
3 2	9 12.13	+ 8 1.0	1.961	2.891	8.3	21.0
3 12	9 6.20	+ 8 45.2	2.032	2.896	11.6	21.3

57652 2001 TR_{224} 2 9.6 44°.49 1°.1/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.40	+12 33.7	1.845	2.632	15.4	18.8
1 12	9 49.25	+13 46.8	1.784	2.657	11.9	18.6
1 22	9 43.81	+15 13.9	1.745	2.683	7.9	18.4
2 1	9 36.67	+16 48.7	1.734	2.709	3.6	18.2
2 11	9 28.75	+18 22.9	1.751	2.736	1.6	18.1
2 21	9 21.09	+19 48.8	1.797	2.763	5.5	18.4
3 2	9 14.65	+21 0.4	1.872	2.790	9.4	18.7
3 12	9 10.17	+21 54.7	1.971	2.817	12.7	19.0

126049 2001 YO_{74} 2 9.6 319°.11 6°.6/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.24	+ 0 30.7	1.767	2.501	17.9	19.3
1 12	9 53.45	− 0 40.3	1.668	2.492	15.1	19.0
1 22	9 46.99	− 1 35.9	1.589	2.482	11.9	18.8
2 1	9 38.35	− 2 12.7	1.534	2.474	8.7	18.6
2 11	9 28.46	− 2 29.7	1.504	2.465	6.7	18.4
2 21	9 18.46	− 2 28.0	1.502	2.457	7.6	18.5
3 2	9 9.61	− 2 11.2	1.525	2.449	10.7	18.6
3 12	9 2.93	− 1 45.4	1.573	2.441	14.1	18.8

19623 1999 RS_3 2 9.6 20°.34 4°.3/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 54.24	+ 3 11.4	1.489	2.255	19.3	18.3
1 12	9 51.42	+ 2 58.1	1.407	2.257	15.9	18.1
1 22	9 45.73	+ 3 7.0	1.344	2.260	11.8	17.8
2 1	9 37.76	+ 3 38.1	1.303	2.262	7.4	17.6
2 11	9 28.56	+ 4 28.1	1.287	2.265	4.3	17.4
2 21	9 19.44	+ 5 30.4	1.298	2.269	6.3	17.5
3 2	9 11.71	+ 6 37.0	1.335	2.272	10.6	17.8
3 12	9 6.43	+ 7 40.1	1.395	2.276	14.8	18.0

57881 2002 AZ_{35} 2 9.6 149°.44 5°.6/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.08	+27 18.5	2.145	2.939	13.2	18.9
1 12	9 53.77	+28 48.1	2.072	2.946	10.5	18.7
1 22	9 46.97	+30 20.4	2.024	2.952	7.6	18.5
2 1	9 38.24	+31 46.8	2.003	2.958	5.7	18.4
2 11	9 28.50	+32 59.3	2.012	2.964	6.1	18.5
2 21	9 18.85	+33 51.7	2.049	2.969	8.5	18.6
3 2	9 10.42	+34 21.5	2.113	2.974	11.3	18.8
3 12	9 4.07	+34 29.5	2.199	2.978	13.9	19.0

419981 2011 CU_{15} 2 9.6 134°.90 2°.1/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.50	+19 15.0	2.236	3.015	13.3	21.8
1 12	9 53.70	+19 46.0	2.155	3.025	10.3	21.6
1 22	9 46.69	+20 22.9	2.099	3.034	6.9	21.4
2 1	9 38.02	+21 0.9	2.070	3.043	3.5	21.2
2 11	9 28.54	+21 34.8	2.071	3.052	2.4	21.2
2 21	9 19.24	+22 0.2	2.102	3.060	5.5	21.4
3 2	9 11.06	+22 14.4	2.161	3.068	8.9	21.6
3 12	9 4.76	+22 16.6	2.245	3.075	11.9	21.8

118254 1998 CU 2 9.6 346°.06 3°.7/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.58	+ 9 43.0	1.403	2.192	19.3	18.9
1 12	9 54.36	+ 8 35.7	1.314	2.181	15.7	18.6
1 22	9 47.94	+ 7 38.9	1.244	2.172	11.4	18.4
2 1	9 38.90	+ 6 53.8	1.197	2.163	6.8	18.1
2 11	9 28.39	+ 6 20.0	1.175	2.156	3.7	17.9
2 21	9 17.89	+ 5 56.1	1.179	2.150	6.7	18.0
3 2	9 8.93	+ 5 39.3	1.209	2.146	11.5	18.3
3 12	9 2.70	+ 5 25.9	1.261	2.142	16.0	18.5

254729 2005 NZ_{79} 2 9.6 219°.45 4°.2/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.59	+24 0.2	2.195	2.984	13.2	20.8
1 12	9 54.16	+25 5.6	2.102	2.975	10.4	20.6
1 22	9 47.28	+26 16.2	2.033	2.966	7.3	20.4
2 1	9 38.42	+27 25.2	1.991	2.957	4.7	20.3
2 11	9 28.47	+28 25.2	1.980	2.946	4.7	20.2
2 21	9 18.48	+29 10.2	1.997	2.935	7.4	20.4
3 2	9 9.57	+29 36.7	2.042	2.924	10.6	20.6
3 12	9 2.66	+29 44.4	2.110	2.912	13.6	20.7

111552 2001 YO_{140} 2 9.6 129°.41 1°.8/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 2.69	+19 34.2	2.287	3.057	13.3	20.4
1 12	9 56.80	+19 48.1	2.209	3.073	10.3	20.2
1 22	9 48.68	+20 6.5	2.155	3.088	7.0	20.0
2 1	9 38.92	+20 24.9	2.129	3.102	3.4	19.8
2 11	9 28.42	+20 39.1	2.133	3.116	2.1	19.8
2 21	9 18.19	+20 45.6	2.169	3.129	5.2	20.0
3 2	9 9.17	+20 42.7	2.233	3.141	8.6	20.2
3 12	9 2.09	+20 30.0	2.324	3.153	11.6	20.4

186910 2004 LV_{25} 2 9.6 92°.24 3°.0/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.52	+18 16.0	2.051	2.838	14.0	20.0
1 12	9 52.35	+19 44.4	1.986	2.860	10.8	19.9
1 22	9 45.87	+21 21.8	1.945	2.883	7.2	19.7
2 1	9 37.66	+23 0.8	1.933	2.905	3.9	19.5
2 11	9 28.62	+24 33.0	1.950	2.927	3.5	19.5
2 21	9 19.77	+25 51.4	1.998	2.948	6.5	19.7
3 2	9 12.11	+26 51.7	2.074	2.969	9.8	20.0
3 12	9 6.42	+27 32.4	2.174	2.989	12.8	20.2

304873 2007 RD_{148} 2 9.6 199°.80 4°.4/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 1.46	+23 37.4	1.824	2.618	15.3	21.0
1 12	9 56.81	+24 28.6	1.740	2.616	12.0	20.8
1 22	9 49.26	+25 25.0	1.678	2.613	8.4	20.6
2 1	9 39.41	+26 19.1	1.642	2.610	5.1	20.4
2 11	9 28.34	+27 2.7	1.635	2.606	4.8	20.4
2 21	9 17.36	+27 29.8	1.656	2.602	7.9	20.5
3 2	9 7.82	+27 37.4	1.703	2.597	11.7	20.7
3 12	9 0.73	+27 26.1	1.774	2.592	15.1	20.9

408217 2013 EF_{73} 2 9.6 218°.44 1°.8/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.25	+17 5.1	2.021	2.800	14.5	22.3
1 12	9 54.78	+17 44.6	1.922	2.792	11.4	22.0
1 22	9 47.76	+18 33.9	1.847	2.782	7.7	21.8
2 1	9 38.69	+19 28.0	1.798	2.773	3.7	21.5
2 11	9 28.46	+20 20.5	1.779	2.762	2.2	21.4
2 21	9 18.17	+21 5.2	1.790	2.751	6.0	21.6
3 2	9 9.00	+21 37.7	1.828	2.739	10.0	21.8
3 12	9 1.90	+21 55.9	1.892	2.727	13.6	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
47147 1999 RC_{24}			2 9.6 132°.40	0°.3/ 9.4 18		
	h m	° ′			°	m
1 2	10 0.07	+11 41.4	1.619	2.398	17.5	20.1
1 12	9 55.72	+12 23.6	1.544	2.411	13.8	19.8
1 22	9 48.50	+13 22.2	1.489	2.423	9.4	19.6
2 1	9 39.02	+14 32.1	1.460	2.434	4.4	19.3
2 11	9 28.42	+15 45.3	1.458	2.445	0.9	19.1
2 21	9 18.00	+16 53.8	1.486	2.455	5.9	19.5
3 2	9 9.08	+17 51.0	1.541	2.464	10.6	19.8
3 12	9 2.65	+18 33.1	1.620	2.473	14.6	20.0
163252 2002 GD_{11}			2 9.6 225°.84	3°.1/ 7.1 15		
1 2	10 2.96	+19 45.4	2.206	2.979	13.6	22.5
1 12	9 57.68	+20 51.4	2.096	2.962	10.8	22.2
1 22	9 49.79	+22 6.9	2.011	2.944	7.4	22.0
2 1	9 39.71	+23 25.7	1.954	2.924	4.0	21.8
2 11	9 28.29	+24 39.9	1.927	2.903	3.5	21.7
2 21	9 16.64	+25 42.3	1.932	2.881	6.8	21.8
3 2	9 5.96	+26 28.2	1.966	2.857	10.5	22.0
3 12	8 57.30	+26 55.6	2.025	2.832	13.9	22.2
473118 2015 HS_{176}			2 9.6 286°.56	0°.3/10.0 17		
1 2	9 51.21	+ 8 2.1	2.530	3.284	12.6	21.3
1 12	9 48.05	+ 9 7.3	2.407	3.259	10.1	21.1
1 22	9 42.99	+10 29.3	2.309	3.235	7.0	20.9
2 1	9 36.38	+12 5.2	2.238	3.210	3.5	20.6
2 11	9 28.82	+13 49.6	2.199	3.186	0.5	20.3
2 21	9 21.06	+15 35.7	2.192	3.161	4.3	20.6
3 2	9 13.94	+17 16.8	2.215	3.136	8.0	20.8
3 12	9 8.22	+18 47.3	2.265	3.111	11.3	20.9
414868 2010 VP_{131}			2 9.6 48°.27	8°.7/ 3.2 17		
1 2	9 58.61	+31 41.5	1.535	2.351	16.6	20.7
1 12	9 55.16	+33 27.8	1.483	2.364	13.4	20.5
1 22	9 48.38	+35 12.3	1.453	2.377	10.4	20.4
2 1	9 39.01	+36 42.6	1.448	2.391	8.7	20.3
2 11	9 28.43	+37 47.6	1.468	2.405	9.4	20.4
2 21	9 18.23	+38 21.0	1.513	2.420	11.8	20.5
3 2	9 9.92	+38 22.2	1.582	2.435	14.8	20.8
3 12	9 4.53	+37 55.5	1.669	2.450	17.5	21.0
502528 2015 BM_{438}			2 9.6 148°.74	0°.4/ 9.9 17		
1 2	9 54.62	+11 51.5	2.264	3.031	13.5	22.0
1 12	9 50.68	+12 3.2	2.172	3.032	10.7	21.8
1 22	9 44.69	+12 25.1	2.104	3.033	7.3	21.6
2 1	9 37.12	+12 54.9	2.062	3.034	3.6	21.3
2 11	9 28.74	+13 28.5	2.049	3.035	0.6	21.1
2 21	9 20.42	+14 1.7	2.066	3.036	4.4	21.4
3 2	9 13.06	+14 30.8	2.112	3.037	8.0	21.6
3 12	9 7.38	+14 52.8	2.184	3.038	11.3	21.8
428146 2006 SP_{172}			2 9.6 153°.80	2°.5/ 7.5 17		
1 2	9 56.57	+21 56.0	2.575	3.356	11.7	21.6
1 12	9 51.97	+22 22.6	2.489	3.359	9.1	21.4
1 22	9 45.43	+22 52.4	2.427	3.361	6.2	21.2
2 1	9 37.42	+23 21.2	2.393	3.364	3.4	21.1
2 11	9 28.70	+23 44.6	2.389	3.367	2.8	21.0
2 21	9 20.10	+23 59.1	2.416	3.369	5.3	21.2
3 2	9 12.45	+24 2.8	2.471	3.371	8.2	21.4
3 12	9 6.42	+23 55.2	2.552	3.373	10.9	21.6
317092 2001 TV_{1}			2 9.7 88°.67	4°.7/ 6.6 18		
1 2	10 3.62	+26 14.8	1.878	2.669	15.0	20.5
1 12	9 58.05	+26 57.5	1.818	2.691	11.7	20.4
1 22	9 49.76	+27 40.9	1.780	2.712	8.3	20.2
2 1	9 39.49	+28 17.7	1.769	2.733	5.3	20.1
2 11	9 28.39	+28 41.0	1.787	2.754	5.1	20.1
2 21	9 17.75	+28 47.0	1.834	2.774	7.7	20.3
3 2	9 8.72	+28 34.8	1.907	2.794	11.0	20.5
3 12	9 2.13	+28 6.5	2.004	2.814	13.9	20.8
269075 2007 GL_{67}			2 9.7 17°.02	2°.6/ 7.8 18		
1 2	9 56.04	+19 19.8	1.835	2.631	15.1	20.5
1 12	9 52.38	+19 56.7	1.753	2.633	11.8	20.2
1 22	9 46.14	+20 41.3	1.695	2.634	8.0	20.0
2 1	9 37.90	+21 28.1	1.662	2.636	4.1	19.8
2 11	9 28.62	+22 10.3	1.657	2.637	3.0	19.7
2 21	9 19.48	+22 42.2	1.680	2.639	6.5	19.9
3 2	9 11.62	+23 0.0	1.730	2.642	10.4	20.2
3 12	9 5.95	+23 2.8	1.803	2.644	13.9	20.4
38715 2000 QY_{120}			2 9.7 66°.43	3°.6/11.8 18		
1 2	9 57.52	+ 5 17.2	1.493	2.261	19.2	18.8
1 12	9 53.89	+ 4 58.9	1.418	2.271	15.6	18.6
1 22	9 47.34	+ 5 0.1	1.362	2.282	11.4	18.4
2 1	9 38.51	+ 5 20.3	1.329	2.292	6.8	18.1
2 11	9 28.54	+ 5 55.8	1.322	2.303	3.7	18.0
2 21	9 18.77	+ 6 40.7	1.342	2.313	6.1	18.1
3 2	9 10.52	+ 7 28.3	1.389	2.324	10.5	18.4
3 12	9 4.79	+ 8 12.2	1.458	2.335	14.6	18.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
118262 1998 FO_{85}			2 9.7 5°.66	8°.7/ 5.6 18		
	h m	° ′			°	m
1 2	9 59.57	+32 19.8	1.271	2.098	18.8	18.2
1 12	9 56.53	+33 5.1	1.210	2.098	15.2	18.0
1 22	9 49.62	+33 46.0	1.168	2.100	11.6	17.8
2 1	9 39.68	+34 10.9	1.148	2.103	9.0	17.6
2 11	9 28.38	+34 9.8	1.152	2.107	9.2	17.6
2 21	9 17.62	+33 38.5	1.180	2.113	11.9	17.8
3 2	9 9.15	+32 38.4	1.230	2.121	15.5	18.0
3 12	9 4.08	+31 15.6	1.300	2.129	18.9	18.3
306045 2010 FV_{4}			2 9.7 243°.08	0°.6/10.1 18		
1 2	9 56.62	+ 9 54.9	1.670	2.448	17.1	21.6
1 12	9 53.22	+10 23.3	1.573	2.438	13.7	21.3
1 22	9 47.00	+11 9.7	1.497	2.428	9.5	21.0
2 1	9 38.45	+12 10.9	1.445	2.418	4.7	20.7
2 11	9 28.54	+13 20.5	1.421	2.407	0.8	20.4
2 21	9 18.52	+14 30.9	1.425	2.396	5.7	20.7
3 2	9 9.72	+15 34.5	1.456	2.385	10.7	21.0
3 12	9 3.25	+16 26.0	1.511	2.373	15.0	21.2
127501 2002 TN_{59}			2 9.7 167°.60	14°.9/20.8 18		
1 2	9 57.49	−19 18.5	1.470	2.109	24.5	19.8
1 12	9 54.35	−20 43.0	1.390	2.112	22.5	19.6
1 22	9 48.02	−21 32.9	1.321	2.115	20.1	19.4
2 1	9 39.01	−21 39.0	1.269	2.117	17.6	19.3
2 11	9 28.45	−20 55.9	1.235	2.119	15.6	19.1
2 21	9 17.80	−19 24.5	1.223	2.120	14.9	19.1
3 2	9 8.62	−17 13.3	1.233	2.120	15.7	19.1
3 12	9 2.17	−14 37.2	1.265	2.120	17.8	19.3
121595 1999 VT_{125}			2 9.7 274°.60	5°.0/ 5.4 18		
1 2	9 58.11	+26 37.9	2.188	2.981	13.1	20.1
1 12	9 54.00	+27 38.8	2.083	2.957	10.4	19.9
1 22	9 47.34	+28 43.5	2.001	2.932	7.6	19.7
2 1	9 38.56	+29 45.1	1.947	2.907	5.3	19.5
2 11	9 28.53	+30 35.8	1.922	2.882	5.5	19.5
2 21	9 18.35	+31 9.8	1.925	2.856	8.1	19.6
3 2	9 9.19	+31 23.6	1.954	2.830	11.3	19.7
3 12	9 2.06	+31 17.2	2.007	2.804	14.4	19.9
197311 2003 WJ_{141}			2 9.7 44°.08	4°.5/12.7 18		
1 2	9 55.47	+ 2 33.6	1.962	2.701	16.2	19.4
1 12	9 51.56	+ 1 56.0	1.881	2.712	13.4	19.2
1 22	9 45.38	+ 1 34.2	1.820	2.723	10.1	19.0
2 1	9 37.48	+ 1 29.0	1.783	2.734	6.7	18.8
2 11	9 28.73	+ 1 38.9	1.774	2.745	4.6	18.7
2 21	9 20.12	+ 2 0.8	1.793	2.757	5.7	18.8
3 2	9 12.64	+ 2 30.2	1.839	2.769	8.8	19.0
3 12	9 7.05	+ 3 2.0	1.911	2.781	12.0	19.3
104376 2000 FC_{32}			2 9.7 302°.26	3°.4/ 6.5 18		
1 2	9 53.24	+20 33.9	2.114	2.910	13.4	19.3
1 12	9 49.99	+21 43.9	2.026	2.905	10.4	19.1
1 22	9 44.45	+23 2.2	1.962	2.901	7.1	18.9
2 1	9 37.11	+24 22.2	1.925	2.896	4.1	18.7
2 11	9 28.78	+25 36.4	1.918	2.892	3.9	18.7
2 21	9 20.45	+26 38.3	1.939	2.887	6.8	18.8
3 2	9 13.14	+27 23.6	1.988	2.883	10.2	19.0
3 12	9 7.70	+27 50.4	2.060	2.879	13.3	19.2
371287 2006 DC_{166}			2 9.7 79°.58	1°.0/ 8.8 18		
1 2	9 54.98	+14 54.6	2.012	2.795	14.4	21.1
1 12	9 51.22	+15 30.1	1.932	2.803	11.3	20.9
1 22	9 45.18	+16 16.0	1.875	2.812	7.6	20.7
2 1	9 37.40	+17 7.8	1.845	2.820	3.5	20.4
2 11	9 28.76	+17 59.7	1.844	2.829	1.4	20.3
2 21	9 20.25	+18 46.2	1.871	2.837	5.2	20.6
3 2	9 12.88	+19 22.8	1.927	2.846	9.1	20.8
3 12	9 7.42	+19 47.2	2.007	2.854	12.5	21.0
201011 2002 CE_{219}			2 9.7 33°.88	1°.5/ 8.7 18		
1 2	9 53.66	+13 21.6	1.156	1.976	20.7	19.4
1 12	9 51.62	+14 14.1	1.099	1.990	16.2	19.2
1 22	9 46.16	+15 26.1	1.060	2.005	10.8	18.9
2 1	9 38.04	+16 49.9	1.044	2.021	5.0	18.6
2 11	9 28.66	+18 14.1	1.053	2.038	2.0	18.5
2 21	9 19.67	+19 27.8	1.086	2.056	7.5	18.9
3 2	9 12.60	+20 23.0	1.144	2.074	12.7	19.2
3 12	9 8.52	+20 56.7	1.222	2.093	17.2	19.5
340491 2006 HC_{91}			2 9.7 134°.81	3°.6/13.2 17		
1 2	9 52.93	+ 0 12.0	2.558	3.271	13.4	21.6
1 12	9 49.07	+ 0 16.7	2.466	3.280	11.1	21.4
1 22	9 43.45	+ 0 37.3	2.396	3.289	8.4	21.3
2 1	9 36.51	+ 1 13.3	2.351	3.298	5.6	21.1
2 11	9 28.90	+ 2 2.2	2.336	3.306	3.7	21.0
2 21	9 21.35	+ 3 0.3	2.350	3.314	4.5	21.1
3 2	9 14.59	+ 4 2.6	2.394	3.322	7.1	21.2
3 12	9 9.27	+ 5 4.4	2.465	3.329	9.8	21.4

203113 2000 SF_{181} 2 9.7 136°.03 3°.8/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	10 1.83	+21 59.4	1.981	2.766	14.5	20.7
1 12	9 56.67	+23 2.8	1.909	2.781	11.3	20.5
1 22	9 48.91	+24 11.9	1.861	2.796	7.7	20.3
2 1	9 39.18	+25 19.4	1.840	2.809	4.5	20.2
2 11	9 28.50	+26 17.6	1.849	2.822	4.2	20.2
2 21	9 18.03	+27 0.6	1.888	2.834	7.1	20.4
3 2	9 8.94	+27 25.4	1.954	2.845	10.5	20.6
3 12	9 2.08	+27 32.1	2.044	2.856	13.6	20.8

432166 2009 BA_{172} 2 9.7 346°.97 0°.4/10.1 17

1 2	9 50.61	+ 8 40.3	2.157	2.924	14.1	20.8
1 12	9 47.76	+ 9 35.1	2.062	2.922	11.2	20.6
1 22	9 42.85	+10 46.5	1.991	2.920	7.7	20.4
2 1	9 36.33	+12 10.6	1.946	2.919	3.8	20.1
2 11	9 28.93	+13 41.5	1.931	2.917	0.6	19.9
2 21	9 21.52	+15 12.2	1.946	2.916	4.5	20.2
3 2	9 15.01	+16 36.1	1.989	2.915	8.4	20.4
3 12	9 10.15	+17 48.1	2.059	2.914	11.8	20.6

382274 2012 TE_{202} 2 9.7 24°.51 1°.8/ 8.2 18

1 2	9 53.89	+17 46.9	2.098	2.887	13.7	21.0
1 12	9 50.33	+18 18.5	2.016	2.891	10.7	20.8
1 22	9 44.56	+18 57.7	1.957	2.895	7.2	20.6
2 1	9 37.11	+19 40.0	1.924	2.899	3.5	20.4
2 11	9 28.82	+20 19.9	1.921	2.904	2.1	20.3
2 21	9 20.64	+20 52.7	1.946	2.908	5.5	20.5
3 2	9 13.55	+21 14.8	1.999	2.913	9.1	20.7
3 12	9 8.31	+21 24.6	2.076	2.919	12.3	20.9

126028 2001 YC_{64} 2 9.7 86°.44 0°.8/ 9.2 17

1 2	10 2.35	+13 49.0	1.571	2.354	17.8	20.7
1 12	9 57.34	+14 23.2	1.512	2.382	13.9	20.5
1 22	9 49.43	+15 10.5	1.475	2.410	9.3	20.3
2 1	9 39.40	+16 5.0	1.463	2.438	4.3	20.0
2 11	9 28.48	+16 59.3	1.479	2.465	1.2	19.9
2 21	9 18.02	+17 46.4	1.523	2.491	6.0	20.3
3 2	9 9.26	+18 21.7	1.595	2.517	10.4	20.6
3 12	9 3.08	+18 43.1	1.690	2.542	14.2	20.9

179891 2002 UO_{28} 2 9.7 52°.78 2°.1/ 8.1 18

1 2	9 55.03	+15 29.1	1.548	2.349	17.2	19.8
1 12	9 51.93	+16 30.2	1.480	2.362	13.4	19.6
1 22	9 46.01	+17 45.2	1.434	2.375	8.9	19.4
2 1	9 37.89	+19 7.1	1.413	2.389	4.2	19.1
2 11	9 28.71	+20 26.6	1.419	2.402	2.6	19.0
2 21	9 19.76	+21 35.2	1.453	2.416	6.8	19.3
3 2	9 12.31	+22 26.9	1.513	2.431	11.2	19.6
3 12	9 7.30	+22 59.3	1.595	2.445	15.0	19.9

411172 2010 EK_{83} 2 9.7 220°.96 2°.7/11.6 18

1 2	9 57.25	+ 5 2.6	1.927	2.674	16.2	22.1
1 12	9 53.29	+ 5 10.8	1.824	2.666	13.2	21.9
1 22	9 46.83	+ 5 37.0	1.741	2.657	9.6	21.7
2 1	9 38.32	+ 6 20.1	1.684	2.647	5.6	21.4
2 11	9 28.64	+ 7 16.4	1.655	2.637	2.7	21.2
2 21	9 18.84	+ 8 20.2	1.655	2.625	5.2	21.3
3 2	9 10.08	+ 9 25.1	1.683	2.614	9.3	21.5
3 12	9 3.32	+10 24.9	1.737	2.601	13.2	21.7

184476 2005 OZ_{1} 2 9.7 219°.05 1°.4/ 8.6 16

1 2	9 58.97	+16 59.4	2.107	2.884	14.0	21.2
1 12	9 54.42	+17 23.5	2.009	2.877	11.0	21.0
1 22	9 47.45	+17 55.7	1.935	2.870	7.5	20.8
2 1	9 38.56	+18 32.0	1.887	2.862	3.6	20.5
2 11	9 28.62	+19 7.0	1.869	2.853	1.7	20.4
2 21	9 18.69	+19 35.7	1.881	2.844	5.5	20.6
3 2	9 9.83	+19 54.5	1.921	2.835	9.4	20.8
3 12	9 2.94	+20 1.8	1.986	2.825	12.9	21.0

323447 2004 HS_{28} 2 9.7 260°.81 9°.9/31.0 16

1 2	10 3.09	+39 52.9	2.041	2.828	14.1	21.3
1 12	9 58.65	+41 39.3	1.960	2.810	12.1	21.1
1 22	9 50.93	+43 20.9	1.902	2.792	10.5	21.0
2 1	9 40.43	+44 46.3	1.870	2.773	9.9	20.9
2 11	9 28.32	+45 45.3	1.864	2.754	10.8	20.9
2 21	9 16.12	+46 11.6	1.882	2.735	12.7	21.0
3 2	9 5.44	+46 4.3	1.923	2.715	15.0	21.1
3 12	8 57.56	+45 27.2	1.983	2.695	17.3	21.2

408838 2001 RF_{113} 2 9.7 68°.23 4°.7/ 7.1 18

1 2	10 5.10	+26 0.8	1.683	2.478	16.3	21.2
1 12	9 59.49	+26 27.6	1.623	2.499	12.8	21.0
1 22	9 50.88	+26 54.9	1.585	2.519	8.9	20.8
2 1	9 40.09	+27 15.2	1.573	2.540	5.5	20.7
2 11	9 28.44	+27 22.0	1.589	2.560	5.0	20.7
2 21	9 17.34	+27 11.7	1.633	2.581	7.9	20.9
3 2	9 8.08	+26 44.0	1.704	2.601	11.5	21.1
3 12	9 1.51	+26 1.6	1.798	2.622	14.7	21.4

251500 2008 EA_{116} 2 9.7 45°.55 3°.5/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 53.11	+ 3 1.5	1.545	2.310	18.8	21.0
1 12	9 50.35	+ 3 14.2	1.471	2.322	15.3	20.8
1 22	9 44.91	+ 3 50.4	1.416	2.334	11.2	20.6
2 1	9 37.39	+ 4 48.5	1.385	2.347	6.8	20.4
2 11	9 28.83	+ 6 3.1	1.379	2.359	3.5	20.2
2 21	9 20.44	+ 7 26.3	1.400	2.373	5.7	20.4
3 2	9 13.43	+ 8 49.3	1.449	2.386	9.9	20.6
3 12	9 8.70	+10 4.6	1.521	2.400	13.9	20.9

55959 1998 HC_{126} 2 9.7 354°.98 9°.9/19.9 18

1 2	9 48.85	−16 31.8	2.137	2.769	17.8	19.1
1 12	9 46.49	−17 9.5	2.042	2.766	16.1	18.9
1 22	9 42.06	−17 20.8	1.962	2.763	14.1	18.8
2 1	9 36.00	−17 1.4	1.902	2.761	12.1	18.6
2 11	9 29.04	−16 10.3	1.865	2.760	10.5	18.5
2 21	9 22.06	−14 49.7	1.852	2.759	9.9	18.5
3 2	9 15.98	−13 5.5	1.864	2.759	10.8	18.5
3 12	9 11.57	−11 6.8	1.901	2.760	12.6	18.6

16492 1990 SQ_{5} 2 9.7 14°.84 0°.9/ 9.1 18

1 2	9 52.52	+12 34.2	1.184	2.002	20.4	17.4
1 12	9 50.83	+13 15.4	1.115	2.005	16.1	17.1
1 22	9 45.77	+14 17.2	1.065	2.009	10.9	16.8
2 1	9 37.97	+15 33.5	1.037	2.014	5.1	16.5
2 11	9 28.74	+16 54.0	1.034	2.020	1.5	16.3
2 21	9 19.70	+18 7.8	1.055	2.026	7.3	16.7
3 2	9 12.45	+19 6.2	1.100	2.034	12.8	17.0
3 12	9 8.17	+19 44.5	1.166	2.042	17.5	17.3

29366 1996 DS_{6} 2 9.7 358°.39 1°.5/ 8.9 18

1 2	9 59.05	+17 11.6	1.255	2.068	19.8	18.0
1 12	9 55.92	+17 14.4	1.179	2.066	15.6	17.7
1 22	9 49.22	+17 28.0	1.122	2.065	10.6	17.4
2 1	9 39.62	+17 47.3	1.088	2.064	5.1	17.1
2 11	9 28.51	+18 5.1	1.079	2.064	1.9	16.9
2 21	9 17.59	+18 14.9	1.095	2.065	7.4	17.2
3 2	9 8.57	+18 12.8	1.136	2.066	12.8	17.5
3 12	9 2.69	+17 57.5	1.197	2.068	17.5	17.8

411409 2010 VF_{153} 2 9.7 92°.45 1°.5/10.8 18

1 2	9 59.01	+ 8 51.6	1.918	2.677	15.9	21.5
1 12	9 54.28	+ 8 57.9	1.847	2.700	12.6	21.3
1 22	9 47.19	+ 9 18.1	1.798	2.722	8.8	21.1
2 1	9 38.35	+ 9 49.5	1.775	2.744	4.6	20.9
2 11	9 28.73	+10 27.8	1.780	2.765	1.5	20.8
2 21	9 19.38	+11 7.9	1.815	2.787	4.7	21.0
3 2	9 11.31	+11 45.2	1.879	2.807	8.7	21.3
3 12	9 5.29	+12 15.8	1.968	2.828	12.1	21.6

453327 2008 WB_{130} 2 9.7 351°.72 3°.1/ 7.8 17

1 2	9 51.79	+17 0.8	1.161	1.991	19.9	20.7
1 12	9 50.53	+17 51.9	1.087	1.985	15.7	20.4
1 22	9 45.76	+18 59.9	1.032	1.980	10.6	20.1
2 1	9 38.06	+20 16.8	0.999	1.976	5.3	19.8
2 11	9 28.74	+21 31.2	0.990	1.973	3.7	19.7
2 21	9 19.51	+22 32.0	1.006	1.971	8.7	20.0
3 2	9 12.09	+23 11.5	1.044	1.971	14.0	20.3
3 12	9 7.79	+23 27.2	1.101	1.971	18.8	20.5

322382 2011 QD_{6} 2 9.7 344°.69 4°.5/13.9 17

1 2	9 51.45	− 1 21.1	2.429	3.141	14.1	20.5
1 12	9 48.12	− 1 31.1	2.331	3.141	11.8	20.3
1 22	9 42.95	− 1 24.3	2.253	3.141	9.2	20.2
2 1	9 36.37	− 1 0.3	2.201	3.140	6.5	20.0
2 11	9 29.03	− 0 20.7	2.176	3.140	4.6	19.9
2 21	9 21.70	+ 0 31.0	2.180	3.140	5.2	19.9
3 2	9 15.16	+ 1 30.1	2.212	3.140	7.6	20.1
3 12	9 10.08	+ 2 31.3	2.271	3.139	10.4	20.2

497635 2006 QZ_{184} 2 9.7 139°.75 0°.4/ 9.3 17

1 2	9 53.71	+13 58.4	2.836	3.599	11.1	21.9
1 12	9 49.54	+14 27.1	2.749	3.608	8.7	21.8
1 22	9 43.71	+15 3.4	2.686	3.617	5.9	21.6
2 1	9 36.66	+15 44.4	2.652	3.626	2.7	21.4
2 11	9 29.00	+16 26.3	2.648	3.634	0.7	21.2
2 21	9 21.43	+17 5.4	2.676	3.642	3.8	21.5
3 2	9 14.62	+17 38.6	2.733	3.650	6.8	21.7
3 12	9 9.16	+18 4.0	2.817	3.657	9.5	21.9

187174 2005 SF_{30} 2 9.7 157°.62 0°.3/ 9.9 18

1 2	9 56.74	+11 12.3	2.378	3.135	13.2	21.7
1 12	9 52.24	+11 38.5	2.288	3.142	10.4	21.5
1 22	9 45.73	+12 15.8	2.222	3.149	7.1	21.3
2 1	9 37.68	+13 1.1	2.183	3.155	3.5	21.1
2 11	9 28.85	+13 50.1	2.175	3.161	0.5	20.9
2 21	9 20.09	+14 38.0	2.197	3.166	4.2	21.2
3 2	9 12.27	+15 20.7	2.248	3.170	7.8	21.4
3 12	9 6.10	+15 55.1	2.327	3.174	10.9	21.6

66282 1999 JA_{13} 2 9.7 250°.66 1°.5/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 57.43	+ 8 24.3	1.884	2.646	16.0	19.8
1 12	9 53.62	+ 8 36.2	1.775	2.629	13.0	19.5
1 22	9 47.20	+ 9 4.1	1.687	2.611	9.2	19.2
2 1	9 38.60	+ 9 46.3	1.624	2.593	4.9	18.9
2 11	9 28.68	+10 38.6	1.589	2.575	1.5	18.7
2 21	9 18.56	+11 34.9	1.584	2.555	5.2	18.9
3 2	9 9.45	+12 29.2	1.606	2.535	9.8	19.1
3 12	9 2.41	+13 16.1	1.653	2.515	13.9	19.3

207756 2007 SX_{11} 2 9.7 84°.31 4°.1/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.33	+ 2 37.8	2.381	3.097	14.2	20.6
1 12	9 54.05	+ 1 53.5	2.301	3.118	11.7	20.5
1 22	9 46.81	+ 1 22.0	2.243	3.138	8.9	20.3
2 1	9 38.13	+ 1 3.9	2.212	3.158	6.0	20.2
2 11	9 28.79	+ 0 58.4	2.210	3.178	4.2	20.1
2 21	9 19.63	+ 1 3.2	2.238	3.198	5.1	20.2
3 2	9 11.49	+ 1 15.3	2.296	3.217	7.7	20.4
3 12	9 5.02	+ 1 31.1	2.380	3.236	10.4	20.6

221236 2005 US_{190} 2 9.7 106°.03 1°.2/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.31	+ 9 27.4	1.998	2.762	15.2	20.9
1 12	9 52.24	+ 9 39.3	1.916	2.772	12.1	20.8
1 22	9 45.88	+10 4.6	1.856	2.782	8.4	20.5
2 1	9 37.79	+10 40.9	1.822	2.792	4.3	20.3
2 11	9 28.83	+11 23.5	1.817	2.802	1.2	20.1
2 21	9 20.01	+12 7.6	1.841	2.812	4.6	20.4
3 2	9 12.32	+12 48.2	1.893	2.821	8.6	20.6
3 12	9 6.55	+13 21.7	1.970	2.831	12.1	20.9

286556 2002 CB_{183} 2 9.7 39°.00 1°.3/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.70	+16 57.9	1.890	2.677	15.1	20.8
1 12	9 53.59	+17 14.2	1.805	2.678	11.8	20.5
1 22	9 46.95	+17 38.9	1.742	2.679	8.0	20.3
2 1	9 38.35	+18 7.6	1.706	2.681	3.8	20.1
2 11	9 28.74	+18 34.9	1.697	2.682	1.7	19.9
2 21	9 19.26	+18 56.0	1.718	2.683	5.6	20.2
3 2	9 11.03	+19 7.5	1.765	2.685	9.7	20.4
3 12	9 4.94	+19 7.8	1.837	2.686	13.3	20.6

40751 1999 TD_{7} 2 9.7 81°.29 1°.4/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.48	+ 8 11.3	2.038	2.798	15.0	19.1
1 12	9 51.45	+ 8 29.6	1.964	2.817	12.0	18.9
1 22	9 45.26	+ 9 2.2	1.913	2.837	8.3	18.7
2 1	9 37.45	+ 9 46.4	1.887	2.856	4.4	18.5
2 11	9 28.90	+10 37.4	1.890	2.875	1.4	18.4
2 21	9 20.54	+11 30.1	1.922	2.894	4.5	18.6
3 2	9 13.31	+12 19.4	1.983	2.913	8.2	18.9
3 12	9 7.92	+13 1.2	2.070	2.931	11.6	19.1

212088 2005 EY_{121} 2 9.7 213°.80 3°.2/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.50	+ 2 59.8	2.005	2.745	15.9	21.3
1 12	9 51.79	+ 3 10.1	1.904	2.739	13.1	21.1
1 22	9 45.74	+ 3 39.4	1.824	2.733	9.7	20.8
2 1	9 37.81	+ 4 26.9	1.768	2.727	5.9	20.6
2 11	9 28.82	+ 5 29.1	1.741	2.720	3.3	20.4
2 21	9 19.76	+ 6 40.5	1.743	2.713	5.1	20.5
3 2	9 11.69	+ 7 54.3	1.773	2.705	8.9	20.7
3 12	9 5.49	+ 9 4.2	1.830	2.697	12.6	20.9

131986 2002 CF_{81} 2 9.7 282°.47 0°.4/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.83	+14 30.4	1.615	2.404	17.1	20.1
1 12	9 55.26	+14 37.3	1.510	2.383	13.7	19.8
1 22	9 48.63	+14 56.4	1.426	2.362	9.5	19.5
2 1	9 39.39	+15 24.0	1.366	2.341	4.5	19.1
2 11	9 28.57	+15 54.6	1.334	2.320	1.0	18.8
2 21	9 17.51	+16 22.1	1.329	2.299	6.3	19.1
3 2	9 7.73	+16 41.2	1.351	2.278	11.5	19.3
3 12	9 0.47	+16 48.8	1.395	2.256	16.1	19.6

279907 2001 QO_{249} 2 9.7 112°.78 3°.7/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 4.47	+21 47.2	1.684	2.475	16.5	20.9
1 12	9 59.09	+22 31.1	1.619	2.493	12.8	20.7
1 22	9 50.72	+23 20.6	1.575	2.511	8.8	20.5
2 1	9 40.12	+24 8.2	1.557	2.528	4.8	20.3
2 11	9 28.50	+24 45.9	1.568	2.545	4.1	20.3
2 21	9 17.28	+25 8.4	1.607	2.561	7.4	20.5
3 2	9 7.76	+25 13.2	1.674	2.576	11.3	20.8
3 12	9 0.88	+25 1.2	1.763	2.591	14.8	21.0

177490 2004 EW_{34} 2 9.7 349°.62 5°.0/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.07	+23 24.4	1.397	2.217	17.7	20.2
1 12	9 53.43	+24 12.1	1.320	2.212	14.0	19.9
1 22	9 47.46	+25 6.5	1.265	2.207	9.7	19.7
2 1	9 38.79	+25 59.0	1.232	2.203	5.9	19.4
2 11	9 28.70	+26 39.7	1.226	2.200	5.5	19.4
2 21	9 18.76	+27 1.3	1.244	2.197	9.2	19.6
3 2	9 10.55	+27 0.3	1.287	2.196	13.5	19.8
3 12	9 5.23	+26 37.7	1.350	2.195	17.5	20.1

347675 2001 UL_{71} 2 9.7 120°.31 5°.3/15.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 52.78	− 6 55.2	2.903	3.566	13.0	22.3
1 12	9 48.74	− 7 10.5	2.814	3.582	11.1	22.2
1 22	9 43.14	− 7 9.2	2.746	3.597	9.0	22.1
2 1	9 36.40	− 6 50.5	2.702	3.612	6.9	22.0
2 11	9 29.09	− 6 15.5	2.687	3.627	5.5	21.9
2 21	9 21.85	− 5 26.8	2.700	3.641	5.6	21.9
3 2	9 15.33	− 4 28.3	2.743	3.655	7.0	22.0
3 12	9 10.08	− 3 25.0	2.813	3.668	9.0	22.2

96309 1996 XG_{23} 2 9.7 270°.76 2°.6/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.33	+ 5 15.7	1.665	2.430	17.6	19.9
1 12	9 51.38	+ 5 30.5	1.570	2.423	14.4	19.6
1 22	9 45.76	+ 6 6.2	1.495	2.416	10.4	19.4
2 1	9 37.93	+ 7 1.5	1.443	2.409	6.0	19.1
2 11	9 28.83	+ 8 11.6	1.419	2.402	2.6	18.8
2 21	9 19.66	+ 9 29.3	1.422	2.395	5.5	19.0
3 2	9 11.68	+10 46.4	1.453	2.388	10.1	19.3
3 12	9 5.92	+11 55.7	1.507	2.380	14.4	19.5

255956 2006 TP_{28} 2 9.7 109°.86 2°.9/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.76	+20 28.8	2.020	2.804	14.3	21.7
1 12	9 55.68	+21 17.3	1.953	2.824	11.1	21.5
1 22	9 48.17	+22 11.7	1.909	2.844	7.5	21.3
2 1	9 38.86	+23 5.6	1.892	2.864	4.0	21.1
2 11	9 28.72	+23 52.5	1.905	2.883	3.3	21.1
2 21	9 18.87	+24 27.2	1.948	2.901	6.3	21.3
3 2	9 10.35	+24 46.9	2.018	2.919	9.8	21.6
3 12	9 3.95	+24 51.5	2.113	2.936	12.8	21.8

319657 2006 TZ_{25} 2 9.7 104°.06 0°.3/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.96	+13 23.5	1.831	2.610	15.8	21.6
1 12	9 53.77	+13 46.6	1.753	2.621	12.4	21.4
1 22	9 47.05	+14 21.7	1.697	2.631	8.4	21.1
2 1	9 38.39	+15 4.6	1.667	2.642	4.0	20.9
2 11	9 28.79	+15 49.4	1.666	2.652	0.8	20.7
2 21	9 19.36	+16 30.6	1.694	2.663	5.3	21.0
3 2	9 11.24	+17 3.5	1.749	2.672	9.5	21.3
3 12	9 5.27	+17 25.4	1.828	2.682	13.2	21.5

114584 2003 BF_{80} 2 9.7 49°.15 5°.7/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 4.56	+29 4.4	1.798	2.593	15.4	19.2
1 12	9 59.26	+29 35.0	1.722	2.595	12.3	19.0
1 22	9 50.91	+30 4.0	1.668	2.597	9.0	18.8
2 1	9 40.25	+30 23.8	1.640	2.600	6.2	18.6
2 11	9 28.51	+30 27.2	1.640	2.603	6.1	18.6
2 21	9 17.11	+30 10.4	1.668	2.605	8.7	18.8
3 2	9 7.40	+29 33.4	1.722	2.608	12.0	19.0
3 12	9 0.35	+28 39.3	1.799	2.611	15.2	19.2

304023 2006 DC_{47} 2 9.7 218°.74 1°.9/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 1.29	+18 6.2	1.830	2.614	15.6	21.2
1 12	9 56.66	+18 30.2	1.736	2.608	12.3	20.9
1 22	9 49.23	+19 2.7	1.665	2.601	8.4	20.7
2 1	9 39.54	+19 38.5	1.619	2.594	4.1	20.4
2 11	9 28.61	+20 11.4	1.603	2.586	2.3	20.2
2 21	9 17.69	+20 35.7	1.615	2.578	6.3	20.5
3 2	9 8.08	+20 47.7	1.655	2.569	10.6	20.7
3 12	9 0.82	+20 46.1	1.719	2.560	14.5	20.9

335970 2007 TW_{183} 2 9.7 127°.98 3°.4/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.70	+25 17.9	2.890	3.670	10.6	21.6
1 12	9 51.90	+26 10.9	2.818	3.686	8.2	21.5
1 22	9 45.32	+27 5.3	2.772	3.702	5.8	21.3
2 1	9 37.44	+27 56.2	2.754	3.717	3.8	21.2
2 11	9 28.95	+28 38.8	2.767	3.731	3.8	21.2
2 21	9 20.59	+29 9.6	2.811	3.745	5.7	21.4
3 2	9 13.13	+29 26.9	2.883	3.759	8.1	21.5
3 12	9 7.15	+29 30.7	2.980	3.772	10.3	21.7

206339 2003 PN_{1} 2 9.7 163°.58 1°.7/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.45	+ 9 12.9	1.919	2.676	15.9	20.9
1 12	9 55.65	+ 9 6.9	1.830	2.681	12.8	20.7
1 22	9 48.32	+ 9 13.9	1.762	2.685	9.0	20.5
2 1	9 39.02	+ 9 32.2	1.720	2.689	4.8	20.2
2 11	9 28.70	+ 9 58.0	1.707	2.692	1.7	20.0
2 21	9 18.46	+10 27.1	1.723	2.694	5.0	20.3
3 2	9 9.45	+10 54.9	1.768	2.696	9.1	20.5
3 12	9 2.54	+11 17.7	1.838	2.698	12.9	20.7

145696 3361 $T\text{-}_{3}$ 2 9.7 131°.78 1°.5/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.79	+ 7 16.9	2.829	3.569	11.7	20.9
1 12	9 48.81	+ 7 31.9	2.739	3.580	9.3	20.8
1 22	9 43.23	+ 7 57.8	2.672	3.589	6.6	20.6
2 1	9 36.46	+ 8 32.9	2.633	3.599	3.6	20.4
2 11	9 29.10	+ 9 14.2	2.625	3.608	1.5	20.3
2 21	9 21.81	+ 9 58.2	2.647	3.617	3.5	20.4
3 2	9 15.26	+10 41.3	2.699	3.626	6.4	20.6
3 12	9 10.00	+11 20.3	2.778	3.634	9.1	20.8

159490 2000 TM_{29} 2 9.7 165°.15 0°.0/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	10 1.86	+13 11.5	2.260	3.016	13.8	21.1
1 12	9 56.34	+13 25.0	2.170	3.024	10.9	20.9
1 22	9 48.57	+13 48.0	2.103	3.030	7.5	20.7
2 1	9 39.08	+14 17.1	2.063	3.036	3.6	20.4
2 11	9 28.71	+14 48.2	2.054	3.041	0.5	20.2
2 21	9 18.44	+15 17.0	2.076	3.044	4.6	20.5
3 2	9 9.26	+15 40.1	2.128	3.047	8.4	20.7
3 12	9 1.96	+15 55.2	2.206	3.049	11.7	21.0

381295 2007 UY_{17} 2 9.7 41°.13 5°.1/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.08	+26 41.1	2.109	2.910	13.2	20.3
1 12	9 51.46	+27 52.0	2.037	2.915	10.4	20.1
1 22	9 45.46	+29 5.3	1.988	2.921	7.5	20.0
2 1	9 37.65	+30 13.5	1.967	2.926	5.4	19.8
2 11	9 28.92	+31 9.3	1.974	2.932	5.6	19.9
2 21	9 20.33	+31 47.4	2.009	2.938	8.0	20.0
3 2	9 12.92	+32 5.4	2.070	2.945	10.8	20.2
3 12	9 7.51	+32 3.9	2.154	2.951	13.5	20.4

499438 2010 CL_{244} 2 9.7 75°.68 3°.0/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.27	+ 6 7.5	2.326	3.064	14.0	21.2
1 12	9 52.64	+ 5 34.6	2.236	3.072	11.4	21.0
1 22	9 45.99	+ 5 13.0	2.169	3.079	8.3	20.8
2 1	9 37.83	+ 5 2.4	2.129	3.087	5.1	20.6
2 11	9 28.91	+ 5 1.3	2.117	3.095	3.0	20.5
2 21	9 20.10	+ 5 7.5	2.136	3.103	4.6	20.6
3 2	9 12.25	+ 5 17.9	2.183	3.110	7.7	20.8
3 12	9 6.08	+ 5 29.2	2.257	3.118	10.7	21.0

375621 2008 WH_{93} 2 9.7 207°.67 17°.9/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 2.39	−16 48.8	1.320	1.980	26.1	20.8
1 12	9 58.80	−19 34.8	1.243	1.978	24.0	20.6
1 22	9 51.52	−21 53.4	1.179	1.976	21.8	20.4
2 1	9 40.98	−23 32.0	1.132	1.974	19.7	20.2
2 11	9 28.38	−24 20.3	1.103	1.972	18.2	20.1
2 21	9 15.42	−24 14.4	1.093	1.969	18.0	20.1
3 2	9 4.05	−23 18.3	1.103	1.966	19.0	20.2
3 12	8 55.86	−21 44.9	1.131	1.963	21.0	20.3

415031 2011 WC_{13} 2 9.7 248°.09 5°.1/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.11	+24 13.3	1.819	2.617	15.2	21.3
1 12	9 56.08	+25 24.9	1.723	2.601	12.0	21.1
1 22	9 49.08	+26 44.0	1.651	2.585	8.5	20.8
2 1	9 39.59	+28 2.0	1.604	2.569	5.6	20.6
2 11	9 28.62	+29 9.3	1.586	2.552	5.7	20.6
2 21	9 17.51	+29 57.9	1.595	2.534	8.8	20.7
3 2	9 7.68	+30 23.4	1.631	2.516	12.6	20.9
3 12	9 0.31	+30 25.7	1.689	2.498	16.1	21.1

368763 2005 VP_{87} 2 9.7 201°.58 2°.6/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.07	+ 5 14.6	2.109	2.855	15.0	22.0
1 12	9 51.29	+ 5 18.1	2.012	2.853	12.2	21.8
1 22	9 45.31	+ 5 37.3	1.936	2.851	8.9	21.6
2 1	9 37.60	+ 6 11.1	1.886	2.848	5.2	21.4
2 11	9 28.95	+ 6 56.2	1.865	2.846	2.6	21.2
2 21	9 20.30	+ 7 47.9	1.872	2.843	4.7	21.3
3 2	9 12.61	+ 8 40.9	1.909	2.839	8.4	21.5
3 12	9 6.69	+ 9 30.2	1.971	2.836	11.9	21.8

503789 2016 XR_{21} 2 9.7 334°.54 20°.6/21.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 4.58	+48 59.8	1.032	1.851	22.7	20.8
1 12	10 4.10	+52 45.5	0.998	1.846	21.1	20.7
1 22	9 57.28	+56 9.8	0.983	1.842	20.6	20.6
2 1	9 44.40	+58 47.2	0.986	1.838	21.2	20.6
2 11	9 27.88	+60 18.1	1.006	1.834	22.7	20.7
2 21	9 11.68	+60 36.2	1.040	1.832	24.8	20.8
3 2	8 59.72	+59 48.6	1.087	1.829	26.9	21.0
3 12	8 54.12	+58 10.4	1.143	1.827	28.9	21.2

491123 2011 SA_{110} 2 9.7 80°.26 4°.5/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 4.17	+23 1.6	1.529	2.328	17.4	20.8
1 12	9 59.05	+23 55.5	1.475	2.354	13.6	20.6
1 22	9 50.77	+24 54.1	1.442	2.379	9.3	20.4
2 1	9 40.17	+25 48.6	1.435	2.404	5.5	20.2
2 11	9 28.61	+26 30.1	1.456	2.429	4.9	20.3
2 21	9 17.60	+26 52.9	1.504	2.453	8.2	20.5
3 2	9 8.50	+26 55.3	1.578	2.477	12.1	20.8
3 12	9 2.23	+26 39.1	1.674	2.501	15.5	21.1

504310 2007 HR_{79} 2 9.7 276°.54 12°.0/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.42	−22 42.1	2.296	2.864	18.0	21.6
1 12	9 49.42	−23 34.2	2.180	2.843	16.8	21.5
1 22	9 44.22	−24 0.1	2.079	2.823	15.3	21.3
2 1	9 37.18	−23 53.9	1.996	2.802	13.8	21.1
2 11	9 29.01	−23 12.1	1.933	2.781	12.5	21.0
2 21	9 20.62	−21 54.4	1.893	2.759	12.0	20.9
3 2	9 13.01	−20 4.7	1.878	2.738	12.5	20.9
3 12	9 7.10	−17 51.4	1.886	2.716	13.9	20.9

49351 1998 WE_9 2 9.7 126°.31 2°.9/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 54.56	+20 28.9	2.367	3.154	12.4	18.1
1 12	9 50.70	+21 31.4	2.287	3.161	9.6	17.9
1 22	9 44.79	+22 40.2	2.231	3.168	6.5	17.7
2 1	9 37.30	+23 49.6	2.203	3.174	3.6	17.6
2 11	9 29.02	+24 53.4	2.205	3.180	3.3	17.6
2 21	9 20.82	+25 46.3	2.237	3.186	5.9	17.7
3 2	9 13.58	+26 24.9	2.297	3.192	9.0	17.9
3 12	9 8.03	+26 48.0	2.382	3.198	11.8	18.1

40540 1999 RZ_{104} 2 9.7 165°.27 0°.9/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.60	+ 9 58.0	2.070	2.828	14.9	19.6
1 12	9 54.05	+10 14.1	1.980	2.833	11.8	19.4
1 22	9 47.17	+10 43.4	1.912	2.838	8.2	19.1
2 1	9 38.48	+11 22.9	1.871	2.842	4.2	18.9
2 11	9 28.85	+12 8.4	1.859	2.845	0.9	18.7
2 21	9 19.29	+12 54.5	1.877	2.848	4.7	18.9
3 2	9 10.82	+13 36.5	1.924	2.850	8.7	19.2
3 12	9 4.27	+14 10.6	1.997	2.851	12.2	19.4

464171 2015 AA_{63} 2 9.7 178°.58 1°.2/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.08	+ 8 51.6	2.247	3.003	13.9	21.4
1 12	9 51.14	+ 9 6.0	2.153	3.004	11.1	21.2
1 22	9 45.12	+ 9 33.3	2.081	3.005	7.8	21.0
2 1	9 37.49	+10 11.2	2.036	3.005	4.1	20.8
2 11	9 29.01	+10 55.9	2.020	3.005	1.2	20.6
2 21	9 20.56	+11 42.7	2.033	3.005	4.3	20.8
3 2	9 13.04	+12 27.0	2.076	3.004	8.0	21.0
3 12	9 7.20	+13 5.1	2.145	3.003	11.3	21.2

194693 2001 XB_{227} 2 9.7 285°.44 5°.6/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.46	+24 11.3	1.487	2.299	17.3	20.0
1 12	9 56.04	+25 15.6	1.407	2.293	13.7	19.7
1 22	9 49.26	+26 27.0	1.348	2.287	9.7	19.5
2 1	9 39.72	+27 35.9	1.314	2.281	6.2	19.3
2 11	9 28.66	+28 31.7	1.306	2.275	6.1	19.2
2 21	9 17.68	+29 6.2	1.324	2.270	9.6	19.4
3 2	9 8.39	+29 15.6	1.367	2.264	13.7	19.6
3 12	9 1.99	+29 0.9	1.430	2.258	17.6	19.9

421463 2014 OE_1 2 9.7 124°.52 1°.3/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.30	+15 11.8	1.941	2.718	15.1	21.9
1 12	9 54.69	+15 54.1	1.865	2.733	11.8	21.8
1 22	9 47.62	+16 47.0	1.812	2.747	7.9	21.5
2 1	9 38.69	+17 45.5	1.786	2.761	3.7	21.3
2 11	9 28.84	+18 42.9	1.790	2.774	1.6	21.2
2 21	9 19.19	+19 33.2	1.822	2.787	5.5	21.5
3 2	9 10.80	+20 11.9	1.884	2.799	9.5	21.7
3 12	9 4.51	+20 37.0	1.970	2.811	12.9	22.0

337023 1995 SW_{10} 2 9.7 194°.38 5°.6/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.64	+32 2.6	2.501	3.286	11.9	20.8
1 12	9 54.69	+32 49.7	2.422	3.286	9.5	20.6
1 22	9 47.49	+33 34.3	2.366	3.285	7.3	20.5
2 1	9 38.59	+34 10.1	2.338	3.284	5.7	20.4
2 11	9 28.86	+34 31.5	2.339	3.283	6.0	20.4
2 21	9 19.29	+34 35.0	2.369	3.282	7.8	20.5
3 2	9 10.86	+34 19.9	2.425	3.281	10.2	20.7
3 12	9 4.34	+33 47.9	2.505	3.279	12.5	20.8

219799 2002 AA_{142} 2 9.7 95°.08 2°.0/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.60	+ 8 3.4	1.939	2.699	15.7	20.7
1 12	9 52.60	+ 7 57.4	1.853	2.705	12.6	20.4
1 22	9 46.24	+ 8 5.4	1.788	2.710	9.0	20.2
2 1	9 38.05	+ 8 25.6	1.749	2.716	5.0	20.0
2 11	9 28.94	+ 8 54.8	1.738	2.722	2.0	19.8
2 21	9 19.92	+ 9 28.4	1.756	2.727	4.8	20.0
3 2	9 12.05	+10 1.7	1.802	2.733	8.8	20.3
3 12	9 6.15	+10 30.7	1.872	2.738	12.4	20.5

212612 2006 SQ_{358} 2 9.7 145°.38 0°.6/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.75	+10 21.2	2.716	3.471	11.8	21.1
1 12	9 48.92	+10 45.1	2.624	3.477	9.3	20.9
1 22	9 43.39	+11 19.1	2.556	3.482	6.4	20.7
2 1	9 36.60	+12 0.8	2.516	3.487	3.2	20.5
2 11	9 29.16	+12 46.6	2.505	3.492	0.6	20.3
2 21	9 21.78	+13 32.5	2.526	3.496	3.7	20.6
3 2	9 15.15	+14 14.9	2.576	3.500	6.8	20.8
3 12	9 9.88	+14 50.9	2.653	3.505	9.6	21.0

500519 2012 TQ_{302} 2 9.7 131°.45 3°.6/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.70	+25 15.9	2.611	3.396	11.4	21.2
1 12	9 52.15	+25 57.7	2.532	3.403	8.9	21.1
1 22	9 45.64	+26 41.1	2.478	3.410	6.3	20.9
2 1	9 37.68	+27 20.9	2.452	3.416	4.0	20.8
2 11	9 29.01	+27 52.4	2.455	3.422	3.9	20.8
2 21	9 20.47	+28 11.9	2.489	3.429	6.0	20.9
3 2	9 12.91	+28 17.7	2.550	3.434	8.7	21.1
3 12	9 6.98	+28 9.8	2.637	3.440	11.1	21.3

380056 2013 RW_{74} 2 9.7 121°.12 0°.8/ 9.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 57.22	+15 23.3	2.122	2.898	14.0	21.9
1 12	9 52.90	+15 43.2	2.038	2.905	11.0	21.7
1 22	9 46.34	+16 11.9	1.977	2.912	7.4	21.5
2 1	9 38.07	+16 45.5	1.944	2.918	3.5	21.3
2 11	9 28.95	+17 19.1	1.939	2.925	1.1	21.1
2 21	9 19.97	+17 48.3	1.964	2.931	4.9	21.4
3 2	9 12.09	+18 9.5	2.017	2.937	8.7	21.7
3 12	9 6.09	+18 20.8	2.096	2.943	12.0	21.9

522426 2016 CH_{314} 2 9.7 265°.01 1°.5/ 8.5 17

1 2	9 55.59	+16 34.0	2.174	2.955	13.5	22.2
1 12	9 51.84	+17 8.7	2.069	2.939	10.7	22.0
1 22	9 45.80	+17 52.8	1.988	2.924	7.2	21.7
2 1	9 37.92	+18 42.1	1.933	2.908	3.5	21.5
2 11	9 28.97	+19 31.1	1.908	2.892	1.8	21.3
2 21	9 19.93	+20 14.3	1.912	2.875	5.4	21.5
3 2	9 11.83	+20 47.4	1.944	2.859	9.3	21.7
3 12	9 5.54	+21 7.9	2.001	2.842	12.8	21.9

424973 2009 BD_{45} 2 9.7 304°.40 0°.1/ 9.8 17

1 2	9 51.83	+11 13.6	2.296	3.066	13.2	21.4
1 12	9 48.64	+11 47.8	2.199	3.061	10.5	21.2
1 22	9 43.46	+12 34.3	2.125	3.056	7.2	21.0
2 1	9 36.73	+13 30.1	2.078	3.051	3.5	20.7
2 11	9 29.16	+14 30.3	2.060	3.047	0.5	20.5
2 21	9 21.57	+15 29.7	2.072	3.042	4.4	20.8
3 2	9 14.85	+16 23.3	2.113	3.037	8.1	21.0
3 12	9 9.71	+17 7.4	2.179	3.033	11.3	21.2

453004 2007 JF_{31} 2 9.7 223°.64 3°.1/ 7.4 18

1 2	9 59.67	+18 53.3	1.842	2.631	15.3	22.0
1 12	9 55.53	+19 53.4	1.747	2.622	12.1	21.7
1 22	9 48.59	+21 4.6	1.674	2.612	8.2	21.5
2 1	9 39.34	+22 19.9	1.628	2.601	4.3	21.2
2 11	9 28.75	+23 31.0	1.611	2.589	3.5	21.1
2 21	9 18.07	+24 30.0	1.622	2.577	7.2	21.3
3 2	9 8.59	+25 11.7	1.661	2.565	11.3	21.5
3 12	9 1.42	+25 34.1	1.723	2.551	15.1	21.8

280877 2005 VD_{82} 2 9.7 136°.28 2°.8/11.8 18

1 2	10 0.01	+ 4 21.9	1.883	2.623	16.7	21.6
1 12	9 55.27	+ 4 34.0	1.801	2.639	13.6	21.4
1 22	9 48.05	+ 5 4.5	1.741	2.653	9.8	21.2
2 1	9 38.92	+ 5 51.7	1.705	2.667	5.8	20.9
2 11	9 28.84	+ 6 51.2	1.699	2.680	2.8	20.8
2 21	9 18.91	+ 7 56.9	1.722	2.692	5.1	21.0
3 2	9 10.22	+ 9 2.2	1.774	2.703	9.0	21.2
3 12	9 3.63	+10 1.5	1.851	2.714	12.6	21.5

431608 2007 VS_{247} 2 9.7 2°.04 3°.6/13.0 17

1 2	9 51.46	+ 1 11.3	2.286	3.015	14.4	21.4
1 12	9 48.29	+ 1 14.5	2.189	3.015	11.9	21.2
1 22	9 43.18	+ 1 34.9	2.114	3.015	9.0	21.0
2 1	9 36.58	+ 2 12.0	2.064	3.015	5.9	20.8
2 11	9 29.18	+ 3 3.2	2.042	3.015	3.7	20.7
2 21	9 21.79	+ 4 4.2	2.049	3.016	4.8	20.8
3 2	9 15.24	+ 5 9.7	2.084	3.016	7.7	20.9
3 12	9 10.25	+ 6 13.9	2.146	3.016	10.8	21.1

203725 2002 QV_{32} 2 9.7 136°.91 0°.4/ 9.4 18

1 2	9 55.34	+13 57.9	2.405	3.173	12.7	21.3
1 12	9 51.17	+14 20.2	2.318	3.180	10.0	21.1
1 22	9 45.04	+14 51.3	2.254	3.186	6.8	20.9
2 1	9 37.42	+15 28.1	2.218	3.192	3.2	20.7
2 11	9 29.06	+16 6.1	2.211	3.197	0.7	20.5
2 21	9 20.80	+16 41.3	2.235	3.203	4.3	20.8
3 2	9 13.46	+17 10.1	2.288	3.208	7.8	21.0
3 12	9 7.73	+17 30.4	2.367	3.213	10.8	21.2

458039 2009 WQ_{214} 2 9.7 159°.85 3°.3/ 6.5 16

1 2	9 57.45	+22 56.5	2.527	3.308	11.8	22.1
1 12	9 52.84	+23 55.0	2.445	3.315	9.2	22.0
1 22	9 46.19	+24 57.6	2.388	3.321	6.4	21.8
2 1	9 37.98	+25 58.7	2.359	3.326	3.9	21.6
2 11	9 28.99	+26 52.3	2.361	3.331	3.7	21.6
2 21	9 20.07	+27 34.0	2.393	3.336	6.1	21.8
3 2	9 12.12	+28 0.9	2.454	3.339	8.9	22.0
3 12	9 5.84	+28 12.5	2.539	3.343	11.5	22.2

130775 2000 SB_{335} 2 9.7 42°.61 3°.2/ 7.7 18

1 2	9 57.01	+18 17.8	1.353	2.166	18.6	19.9
1 12	9 54.03	+19 11.9	1.286	2.175	14.5	19.6
1 22	9 47.78	+20 18.3	1.240	2.184	9.8	19.4
2 1	9 38.95	+21 28.8	1.218	2.193	5.0	19.2
2 11	9 28.84	+22 33.2	1.222	2.203	3.7	19.1
2 21	9 19.02	+23 22.9	1.252	2.213	8.0	19.4
3 2	9 10.96	+23 52.7	1.307	2.224	12.6	19.7
3 12	9 5.76	+24 1.7	1.383	2.235	16.7	19.9

112798 Kelindsey 2 9.7 53°.92 0°.3/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 53.98	+11 29.9	2.097	2.869	14.3	20.7
1 12	9 50.43	+11 50.9	2.010	2.872	11.3	20.5
1 22	9 44.72	+12 24.0	1.945	2.876	7.7	20.3
2 1	9 37.34	+13 6.1	1.906	2.879	3.8	20.0
2 11	9 29.09	+13 52.4	1.897	2.883	0.5	19.8
2 21	9 20.93	+14 38.0	1.916	2.887	4.6	20.1
3 2	9 13.78	+15 18.1	1.964	2.891	8.5	20.4
3 12	9 8.42	+15 49.5	2.037	2.895	11.9	20.6

129391 1319 $T\text{-}_2$ 2 9.7 50°.10 4°.4/12.5 18

1 2	9 55.33	+ 2 41.0	1.313	2.086	21.1	19.5
1 12	9 52.58	+ 2 34.5	1.245	2.099	17.3	19.3
1 22	9 46.72	+ 2 53.7	1.194	2.112	12.8	19.1
2 1	9 38.43	+ 3 38.0	1.165	2.126	8.0	18.8
2 11	9 28.94	+ 4 42.7	1.161	2.140	4.5	18.7
2 21	9 19.68	+ 5 59.1	1.183	2.155	6.5	18.8
3 2	9 12.07	+ 7 17.8	1.230	2.170	11.0	19.1
3 12	9 7.16	+ 8 29.7	1.299	2.185	15.4	19.4

459843 2013 TJ_{21} 2 9.7 273°.05 0°.8/10.3 17

1 2	9 53.89	+ 9 49.9	2.016	2.786	14.8	21.6
1 12	9 50.53	+10 13.0	1.921	2.782	11.8	21.4
1 22	9 44.90	+10 50.5	1.849	2.778	8.2	21.1
2 1	9 37.48	+11 39.6	1.802	2.773	4.2	20.9
2 11	9 29.07	+12 35.3	1.783	2.769	0.8	20.6
2 21	9 20.66	+13 32.0	1.794	2.765	4.7	20.9
3 2	9 13.25	+14 24.2	1.833	2.761	8.8	21.1
3 12	9 7.70	+15 7.5	1.897	2.757	12.5	21.3

135512 2001 XX_{257} 2 9.7 70°.21 6°.7/15.2 18

1 2	9 55.53	− 5 39.6	2.353	3.034	15.3	19.4
1 12	9 51.31	− 6 34.7	2.269	3.048	13.1	19.3
1 22	9 45.13	− 7 12.5	2.205	3.061	10.7	19.1
2 1	9 37.48	− 7 30.8	2.164	3.075	8.4	19.0
2 11	9 29.09	− 7 29.2	2.151	3.088	6.8	18.9
2 21	9 20.78	− 7 9.8	2.165	3.102	7.0	19.0
3 2	9 13.39	− 6 36.4	2.206	3.115	8.7	19.1
3 12	9 7.59	− 5 54.2	2.274	3.129	10.9	19.2

284346 2006 RC_{70} 2 9.7 179°.63 1°.2/10.9 17

1 2	9 52.86	+ 8 10.8	2.739	3.485	11.9	21.6
1 12	9 49.02	+ 8 27.3	2.640	3.485	9.5	21.4
1 22	9 43.50	+ 8 54.8	2.566	3.486	6.7	21.3
2 1	9 36.69	+ 9 31.6	2.519	3.486	3.6	21.1
2 11	9 29.21	+10 14.3	2.501	3.486	1.2	20.9
2 21	9 21.75	+10 59.5	2.515	3.486	3.6	21.1
3 2	9 15.01	+11 43.2	2.558	3.485	6.7	21.3
3 12	9 9.61	+12 22.1	2.628	3.484	9.6	21.4

98774 2000 YM_{80} 2 9.7 328°.35 3°.8/11.8 18

1 2	9 52.52	+ 6 10.4	1.570	2.347	18.1	18.5
1 12	9 50.27	+ 5 37.7	1.467	2.326	14.9	18.2
1 22	9 45.23	+ 5 21.1	1.384	2.306	11.0	17.9
2 1	9 37.83	+ 5 21.3	1.323	2.286	6.8	17.6
2 11	9 29.01	+ 5 36.8	1.287	2.267	3.9	17.4
2 21	9 19.99	+ 6 3.7	1.278	2.250	6.2	17.5
3 2	9 12.12	+ 6 36.5	1.294	2.233	10.7	17.7
3 12	9 6.57	+ 7 9.0	1.333	2.217	15.2	17.9

283524 2001 TD_{118} 2 9.7 210°.35 3°.7/13.1 17

1 2	9 55.37	+ 0 51.2	3.000	3.701	11.9	21.7
1 12	9 50.84	+ 0 27.0	2.889	3.694	9.9	21.6
1 22	9 44.67	+ 0 14.5	2.800	3.687	7.6	21.4
2 1	9 37.25	+ 0 14.0	2.738	3.679	5.3	21.3
2 11	9 29.14	+ 0 24.6	2.706	3.671	3.7	21.1
2 21	9 20.98	+ 0 44.4	2.704	3.662	4.4	21.2
3 2	9 13.46	+ 1 10.7	2.733	3.653	6.7	21.3
3 12	9 7.18	+ 1 39.8	2.789	3.644	9.1	21.4

85421 1996 XL_{30} 2 9.7 140°.94 1°.1/10.7 18

1 2	9 56.15	+ 8 56.0	2.435	3.184	13.1	20.6
1 12	9 51.73	+ 9 14.4	2.347	3.195	10.5	20.4
1 22	9 45.39	+ 9 44.5	2.283	3.205	7.3	20.3
2 1	9 37.60	+10 24.1	2.246	3.215	3.8	20.0
2 11	9 29.09	+11 9.3	2.240	3.225	1.1	19.9
2 21	9 20.68	+11 55.7	2.263	3.234	4.0	20.1
3 2	9 13.17	+12 39.3	2.317	3.243	7.4	20.3
3 12	9 7.24	+13 16.7	2.397	3.250	10.5	20.5

274589 2008 TX_{11} 2 9.7 137°.77 0°.7/10.3 18

1 2	9 55.22	+10 37.9	2.254	3.016	13.7	21.5
1 12	9 51.23	+10 55.2	2.165	3.021	10.9	21.4
1 22	9 45.17	+11 24.0	2.099	3.027	7.5	21.2
2 1	9 37.54	+12 1.8	2.060	3.032	3.7	20.9
2 11	9 29.11	+12 44.3	2.050	3.036	0.7	20.7
2 21	9 20.75	+13 27.0	2.070	3.041	4.3	21.0
3 2	9 13.36	+14 5.7	2.119	3.046	8.0	21.2
3 12	9 7.65	+14 37.0	2.194	3.050	11.2	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
385520 2004 JK_8			2 9.7 245°.58		0°.9/ 8.8 17	
	h m	° ′			°	m
1 2	9 52.66	+14 50.8	2.795	3.563	11.2	21.6
1 12	9 48.98	+15 33.6	2.687	3.550	8.7	21.4
1 22	9 43.56	+16 25.3	2.603	3.537	5.9	21.2
2 1	9 36.78	+17 22.3	2.548	3.523	2.8	21.0
2 11	9 29.22	+18 20.4	2.524	3.509	1.2	20.8
2 21	9 21.59	+19 15.0	2.530	3.494	4.2	21.0
3 2	9 14.64	+20 2.2	2.566	3.479	7.4	21.2
3 12	9 9.01	+20 39.4	2.629	3.464	10.2	21.4
55056 2001 QU_{69}			2 9.7 197°.28		1°.1/ 9.1 18	
1 2	10 2.48	+17 36.6	2.082	2.854	14.3	19.2
1 12	9 57.15	+17 37.4	1.988	2.852	11.3	19.0
1 22	9 49.34	+17 44.1	1.917	2.850	7.7	18.7
2 1	9 39.58	+17 53.0	1.873	2.847	3.7	18.5
2 11	9 28.82	+18 0.0	1.859	2.844	1.4	18.3
2 21	9 18.16	+18 1.4	1.875	2.841	5.3	18.6
3 2	9 8.70	+17 55.0	1.920	2.837	9.2	18.8
3 12	9 1.32	+17 39.9	1.991	2.833	12.7	19.0
403107 2008 CC_{160}			2 9.7 47°.34		4°.0/12.6 16	
1 2	9 56.43	+ 1 22.9	1.316	2.082	21.5	20.7
1 12	9 53.10	+ 1 43.7	1.268	2.117	17.4	20.6
1 22	9 46.80	+ 2 32.2	1.237	2.153	12.7	20.4
2 1	9 38.35	+ 3 45.6	1.228	2.189	7.7	20.2
2 11	9 29.03	+ 5 16.1	1.246	2.225	4.1	20.1
2 21	9 20.23	+ 6 53.4	1.289	2.262	6.0	20.3
3 2	9 13.19	+ 8 27.4	1.359	2.298	10.3	20.6
3 12	9 8.74	+ 9 49.9	1.453	2.335	14.3	21.0
101655 1999 CV_{71}			2 9.7 71°.89		2°.0/10.8 18	
1 2	10 1.34	+10 27.3	1.753	2.520	16.9	19.6
1 12	9 56.50	+ 9 56.9	1.674	2.530	13.5	19.4
1 22	9 48.98	+ 9 37.9	1.615	2.540	9.5	19.2
2 1	9 39.42	+ 9 29.0	1.582	2.551	5.1	19.0
2 11	9 28.86	+ 9 27.6	1.577	2.562	2.0	18.8
2 21	9 18.54	+ 9 30.2	1.601	2.572	5.2	19.0
3 2	9 9.63	+ 9 33.6	1.653	2.583	9.5	19.3
3 12	9 3.02	+ 9 34.6	1.729	2.594	13.3	19.5
502945 2015 ED_{55}			2 9.7 212°.86		1°.9/11.6 17	
1 2	9 52.31	+ 5 30.9	2.457	3.200	13.2	21.9
1 12	9 48.85	+ 5 52.2	2.357	3.197	10.7	21.8
1 22	9 43.53	+ 6 28.2	2.279	3.194	7.7	21.6
2 1	9 36.78	+ 7 16.9	2.228	3.191	4.4	21.3
2 11	9 29.24	+ 8 15.0	2.206	3.188	1.9	21.2
2 21	9 21.70	+ 9 17.7	2.214	3.185	4.0	21.3
3 2	9 14.93	+10 20.2	2.251	3.181	7.3	21.5
3 12	9 9.63	+11 17.8	2.316	3.178	10.5	21.7
338400 2003 BK			2 9.7 9°.69		0°.4/ 9.4 18	
1 2	9 52.61	+13 26.6	2.047	2.829	14.2	20.7
1 12	9 49.47	+13 53.1	1.961	2.831	11.2	20.5
1 22	9 44.13	+14 30.8	1.897	2.832	7.6	20.3
2 1	9 37.11	+15 16.0	1.859	2.834	3.6	20.0
2 11	9 29.21	+16 3.6	1.850	2.836	0.8	19.8
2 21	9 21.39	+16 48.3	1.870	2.839	4.9	20.1
3 2	9 14.59	+17 25.5	1.917	2.842	8.8	20.4
3 12	9 9.60	+17 52.4	1.990	2.846	12.2	20.6
101480 1998 WH_{32}			2 9.7 126°.59		6°.2/ 4.5 18	
1 2	10 1.74	+29 29.0	2.067	2.858	13.8	20.0
1 12	9 56.76	+30 51.7	2.003	2.873	11.0	19.9
1 22	9 49.13	+32 14.4	1.963	2.887	8.2	19.7
2 1	9 39.49	+33 28.2	1.951	2.900	6.3	19.7
2 11	9 28.87	+34 25.1	1.967	2.913	6.7	19.7
2 21	9 18.49	+35 0.0	2.011	2.926	8.9	19.9
3 2	9 9.51	+35 11.3	2.082	2.938	11.6	20.0
3 12	9 2.80	+35 1.1	2.175	2.949	14.1	20.2
33007 1997 EX_{10}			2 9.7 75°.62		1°.5/ 8.4 18	
1 2	9 54.31	+18 2.6	2.481	3.261	12.1	19.5
1 12	9 50.40	+18 30.1	2.392	3.261	9.4	19.3
1 22	9 44.56	+19 3.8	2.326	3.262	6.3	19.1
2 1	9 37.26	+19 39.9	2.288	3.263	3.1	18.9
2 11	9 29.21	+20 13.9	2.280	3.263	1.8	18.8
2 21	9 21.22	+20 41.8	2.302	3.264	4.8	19.0
3 2	9 14.13	+21 0.8	2.352	3.264	8.0	19.2
3 12	9 8.61	+21 9.4	2.428	3.265	10.9	19.4
337886 2001 WV_{94}			2 9.7 53°.51		0°.8/ 9.1 18	
1 2	9 54.59	+14 36.9	2.075	2.856	14.1	21.2
1 12	9 50.82	+15 6.1	2.005	2.874	11.0	21.0
1 22	9 44.90	+15 44.8	1.958	2.894	7.4	20.8
2 1	9 37.41	+16 28.9	1.938	2.913	3.4	20.6
2 11	9 29.19	+17 13.2	1.947	2.932	1.1	20.4
2 21	9 21.20	+17 52.8	1.985	2.952	4.8	20.8
3 2	9 14.32	+18 23.8	2.051	2.972	8.5	21.0
3 12	9 9.27	+18 44.1	2.142	2.992	11.7	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
452746 2006 BD_{160}			2 9.7 307°.31		1°.6/10.7 18	
	h m	° ′			°	m
1 2	9 54.49	+ 8 43.4	1.424	2.213	19.0	21.6
1 12	9 52.10	+ 8 52.8	1.331	2.202	15.4	21.3
1 22	9 46.63	+ 9 22.2	1.257	2.190	10.9	21.0
2 1	9 38.58	+10 9.6	1.207	2.178	5.8	20.7
2 11	9 28.99	+11 9.4	1.182	2.167	1.6	20.3
2 21	9 19.27	+12 13.8	1.183	2.157	6.2	20.6
3 2	9 10.93	+13 14.3	1.209	2.146	11.5	20.9
3 12	9 5.21	+14 4.3	1.258	2.136	16.3	21.1
209879 2005 JX_{146}			2 9.7 215°.20		0°.5/ 9.2 17	
1 2	9 52.73	+12 53.7	2.751	3.514	11.4	21.2
1 12	9 49.03	+13 38.0	2.649	3.509	9.0	21.0
1 22	9 43.59	+14 32.3	2.571	3.502	6.1	20.8
2 1	9 36.80	+15 33.4	2.522	3.496	2.9	20.6
2 11	9 29.28	+16 36.6	2.503	3.489	0.8	20.4
2 21	9 21.72	+17 37.4	2.515	3.482	4.0	20.7
3 2	9 14.86	+18 31.7	2.557	3.474	7.2	20.9
3 12	9 9.34	+19 16.4	2.626	3.466	10.1	21.0
129215 2005 NQ_{79}			2 9.7 314°.39		1°.6/10.7 17	
1 2	10 0.23	+11 33.7	2.242	2.996	14.0	19.3
1 12	9 55.20	+10 56.5	2.140	2.990	11.2	19.1
1 22	9 47.93	+10 26.4	2.061	2.983	7.9	18.9
2 1	9 38.92	+10 2.5	2.009	2.977	4.2	18.7
2 11	9 28.97	+ 9 43.4	1.987	2.971	1.6	18.5
2 21	9 19.06	+ 9 27.1	1.995	2.965	4.5	18.7
3 2	9 10.16	+ 9 11.8	2.033	2.959	8.2	18.9
3 12	9 3.09	+ 8 55.6	2.097	2.954	11.6	19.1
65868 1997 RR_5			2 9.7 71°.62		0°.4/10.0 18	
1 2	9 54.44	+11 30.3	2.147	2.916	14.0	20.3
1 12	9 50.71	+11 48.7	2.063	2.924	11.1	20.1
1 22	9 44.87	+12 18.6	2.002	2.933	7.6	19.9
2 1	9 37.43	+12 56.9	1.968	2.941	3.7	19.7
2 11	9 29.19	+13 39.2	1.963	2.949	0.5	19.4
2 21	9 21.07	+14 20.8	1.987	2.958	4.4	19.7
3 2	9 13.96	+14 57.3	2.039	2.966	8.2	20.0
3 12	9 8.61	+15 25.7	2.117	2.974	11.5	20.2
27993 1997 WK			2 9.7 237°.33		1°.0/10.4 18	
1 2	9 56.10	+10 18.7	1.870	2.641	15.8	18.2
1 12	9 52.43	+10 27.6	1.780	2.641	12.6	18.0
1 22	9 46.29	+10 50.3	1.711	2.640	8.8	17.8
2 1	9 38.20	+11 24.2	1.668	2.640	4.5	17.5
2 11	9 29.07	+12 4.8	1.653	2.639	1.0	17.3
2 21	9 19.99	+12 46.6	1.666	2.638	5.0	17.5
3 2	9 12.05	+13 24.6	1.708	2.638	9.3	17.8
3 12	9 6.16	+13 54.8	1.773	2.637	13.1	18.0
286983 2002 QP_{38}			2 9.7 233°.39		1°.6/10.9 18	
1 2	9 55.73	+ 7 27.9	1.947	2.706	15.6	21.5
1 12	9 52.15	+ 7 48.7	1.846	2.698	12.6	21.2
1 22	9 46.14	+ 8 26.4	1.766	2.689	9.0	21.0
2 1	9 38.17	+ 9 18.8	1.712	2.680	4.8	20.7
2 11	9 29.08	+10 21.3	1.686	2.671	1.6	20.5
2 21	9 19.89	+11 27.8	1.689	2.661	4.9	20.7
3 2	9 11.71	+12 31.9	1.720	2.651	9.2	20.9
3 12	9 5.48	+13 28.0	1.777	2.640	13.1	21.1
195081 2002 CY_{107}			2 9.7 330°.17		13°.8/ 6.7 18	
1 2	10 25.70	+41 6.2	1.024	1.827	23.9	19.3
1 12	10 19.13	+41 46.8	0.960	1.823	20.5	19.0
1 22	10 6.19	+42 11.4	0.911	1.820	16.9	18.8
2 1	9 48.07	+41 59.5	0.883	1.816	14.3	18.6
2 11	9 27.68	+40 54.5	0.877	1.813	14.1	18.6
2 21	9 8.68	+38 54.1	0.893	1.811	16.6	18.7
3 2	8 54.06	+36 10.4	0.931	1.809	20.4	18.9
3 12	8 45.22	+33 2.6	0.988	1.807	24.3	19.2
14103 Manzoni			2 9.7 215°.64		0°.9/ 8.9 18	
1 2	9 55.34	+15 26.4	2.349	3.123	12.9	18.9
1 12	9 51.35	+15 51.9	2.254	3.119	10.1	18.7
1 22	9 45.30	+16 25.9	2.182	3.116	6.8	18.5
2 1	9 37.65	+17 4.7	2.138	3.112	3.2	18.2
2 11	9 29.17	+17 43.9	2.123	3.109	1.2	18.1
2 21	9 20.70	+18 18.9	2.139	3.105	4.7	18.3
3 2	9 13.15	+18 46.2	2.183	3.101	8.3	18.5
3 12	9 7.27	+19 3.6	2.253	3.096	11.4	18.7
81707 2000 JQ_{22}			2 9.7 163°.39		0°.0/ 9.6 18	
1 2	9 54.72	+12 56.9	2.735	3.494	11.6	20.0
1 12	9 50.48	+13 17.0	2.642	3.499	9.1	19.8
1 22	9 44.49	+13 45.3	2.574	3.502	6.2	19.7
2 1	9 37.20	+14 19.3	2.533	3.506	3.0	19.4
2 11	9 29.24	+14 55.3	2.522	3.509	0.4	19.2
2 21	9 21.34	+15 29.8	2.543	3.512	3.8	19.5
3 2	9 14.22	+15 59.6	2.594	3.514	7.0	19.7
3 12	9 8.49	+16 22.4	2.671	3.516	9.8	19.9

431488 2007 TP_{55} 2 9.7 56°.98 4°.7/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 52.46	− 1 11.2	2.264	2.980	14.9	21.0
1 12	9 49.07	− 1 26.3	2.173	2.986	12.5	20.8
1 22	9 43.72	− 1 23.8	2.103	2.991	9.7	20.6
2 1	9 36.89	− 1 3.2	2.057	2.997	6.8	20.5
2 11	9 29.28	− 0 26.4	2.039	3.003	4.8	20.3
2 21	9 21.72	+ 0 23.1	2.049	3.009	5.4	20.4
3 2	9 15.05	+ 1 20.3	2.087	3.015	7.9	20.6
3 12	9 9.95	+ 2 19.5	2.152	3.022	10.8	20.7

453897 2011 UQ_{265} 2 9.7 104°.92 0°.0/ 9.8 18

1 2	10 0.52	+12 6.5	1.778	2.550	16.4	22.4
1 12	9 55.79	+12 29.6	1.707	2.569	12.9	22.2
1 22	9 48.46	+13 5.7	1.657	2.589	8.8	22.0
2 1	9 39.17	+13 50.7	1.634	2.607	4.2	21.7
2 11	9 28.97	+14 38.8	1.639	2.626	0.6	21.5
2 21	9 19.03	+15 23.8	1.673	2.643	5.2	21.9
3 2	9 10.51	+16 1.0	1.736	2.660	9.5	22.1
3 12	9 4.24	+16 27.3	1.823	2.677	13.2	22.4

256071 2006 UN_{178} 2 9.7 77°.88 2°.6/ 7.8 16

1 2	10 2.22	+18 16.0	1.810	2.594	15.8	21.6
1 12	9 56.94	+19 16.5	1.759	2.631	12.2	21.5
1 22	9 49.08	+20 24.8	1.731	2.667	8.1	21.3
2 1	9 39.38	+21 33.8	1.730	2.703	4.1	21.1
2 11	9 28.95	+22 35.6	1.759	2.739	3.0	21.1
2 21	9 18.99	+23 24.3	1.817	2.773	6.4	21.4
3 2	9 10.57	+23 56.8	1.902	2.807	10.0	21.7
3 12	9 4.45	+24 12.6	2.012	2.840	13.2	22.0

383014 2005 ML_{31} 2 9.7 261°.20 1°.0/10.7 17

1 2	9 52.71	+ 8 36.3	2.676	3.425	12.1	22.1
1 12	9 49.12	+ 8 59.3	2.559	3.407	9.7	21.9
1 22	9 43.74	+ 9 34.2	2.466	3.388	6.8	21.7
2 1	9 36.92	+10 19.2	2.400	3.369	3.6	21.5
2 11	9 29.28	+11 11.0	2.364	3.349	1.0	21.2
2 21	9 21.52	+12 5.3	2.358	3.329	3.8	21.4
3 2	9 14.42	+12 57.9	2.383	3.309	7.2	21.6
3 12	9 8.67	+13 44.9	2.434	3.288	10.3	21.8

484209 2007 BW_{80} 2 9.7 276°.68 0°.2/ 9.6 18

1 2	10 0.51	+14 14.5	1.437	2.231	18.7	21.5
1 12	9 56.98	+14 14.6	1.340	2.215	14.9	21.2
1 22	9 50.07	+14 27.6	1.263	2.200	10.4	20.9
2 1	9 40.29	+14 50.0	1.209	2.184	5.0	20.5
2 11	9 28.77	+15 16.0	1.182	2.168	0.8	20.2
2 21	9 17.07	+15 39.1	1.181	2.152	6.7	20.5
3 2	9 6.87	+15 53.9	1.206	2.136	12.2	20.8
3 12	8 59.53	+15 57.5	1.253	2.120	17.1	21.0

147289 2003 AM_{35} 2 9.7 101°.30 2°.5/ 7.6 18

1 2	9 58.05	+17 29.2	1.936	2.722	14.8	19.4
1 12	9 53.78	+18 38.3	1.868	2.741	11.5	19.3
1 22	9 47.07	+19 57.2	1.824	2.761	7.7	19.1
2 1	9 38.51	+21 18.9	1.806	2.780	3.9	18.9
2 11	9 29.08	+22 35.6	1.818	2.798	2.9	18.8
2 21	9 19.85	+23 40.5	1.860	2.816	6.3	19.1
3 2	9 11.89	+24 29.1	1.929	2.834	9.9	19.3
3 12	9 6.03	+25 0.0	2.023	2.851	13.1	19.6

502676 2015 CN_{56} 2 9.7 171°.88 1°.6/ 8.4 17

1 2	9 56.52	+18 58.6	2.564	3.339	11.9	21.6
1 12	9 52.04	+19 17.7	2.473	3.340	9.3	21.4
1 22	9 45.63	+19 41.7	2.407	3.341	6.2	21.2
2 1	9 37.77	+20 7.0	2.369	3.342	3.1	21.0
2 11	9 29.18	+20 29.5	2.360	3.343	1.9	20.9
2 21	9 20.68	+20 45.8	2.383	3.344	4.7	21.1
3 2	9 13.08	+20 53.5	2.434	3.344	7.9	21.3
3 12	9 7.06	+20 51.6	2.511	3.344	10.7	21.5

54980 2001 PN_{60} 2 9.7 74°.87 0°.8/10.2 18

1 2	9 59.45	+11 7.2	1.401	2.191	19.3	19.9
1 12	9 55.73	+11 14.9	1.330	2.201	15.3	19.7
1 22	9 48.86	+11 39.3	1.278	2.212	10.6	19.4
2 1	9 39.51	+12 16.6	1.249	2.223	5.2	19.2
2 11	9 28.94	+13 0.5	1.247	2.234	0.9	18.9
2 21	9 18.62	+13 43.9	1.272	2.245	6.1	19.3
3 2	9 9.99	+14 20.5	1.323	2.255	11.1	19.6
3 12	9 4.10	+14 46.2	1.396	2.266	15.5	19.9

172064 2001 XA_{245} 2 9.7 26°.71 6°.7/ 3.3 18

1 2	9 54.81	+30 36.3	2.085	2.889	13.2	19.6
1 12	9 51.49	+32 9.8	2.018	2.894	10.6	19.4
1 22	9 45.67	+33 43.3	1.975	2.899	8.2	19.3
2 1	9 37.92	+35 8.0	1.959	2.904	6.7	19.2
2 11	9 29.16	+36 15.8	1.971	2.910	7.3	19.2
2 21	9 20.52	+37 1.0	2.010	2.915	9.4	19.4
3 2	9 13.10	+37 21.5	2.073	2.922	11.9	19.5
3 12	9 7.78	+37 18.9	2.158	2.928	14.4	19.7

83218 2001 RP_{27} 2 9.7 96°.04 1°.7/11.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 52.47	+ 6 29.7	2.345	3.095	13.6	19.6
1 12	9 49.03	+ 6 49.5	2.254	3.100	10.9	19.4
1 22	9 43.68	+ 7 23.4	2.185	3.104	7.8	19.2
2 1	9 36.88	+ 8 9.5	2.143	3.109	4.3	19.0
2 11	9 29.32	+ 9 4.0	2.130	3.113	1.7	18.8
2 21	9 21.81	+10 2.2	2.146	3.118	4.1	19.0
3 2	9 15.16	+10 59.2	2.192	3.122	7.5	19.2
3 12	9 10.05	+11 50.5	2.264	3.127	10.6	19.4

100734 Annasvídnická 2 9.7 48°.22 1°.1/ 8.8 18

1 2	9 54.70	+15 39.7	1.986	2.772	14.5	20.1
1 12	9 51.07	+16 10.3	1.914	2.787	11.3	19.9
1 22	9 45.18	+16 50.2	1.864	2.801	7.6	19.7
2 1	9 37.60	+17 35.0	1.841	2.816	3.5	19.5
2 11	9 29.22	+18 19.1	1.846	2.831	1.5	19.4
2 21	9 21.04	+18 57.3	1.880	2.846	5.2	19.7
3 2	9 14.03	+19 25.7	1.942	2.862	9.0	19.9
3 12	9 8.93	+19 42.5	2.028	2.877	12.3	20.2

85844 1998 YN_{16} 2 9.7 359°.01 2°.1/11.1 18

1 2	9 54.61	+ 9 10.9	1.792	2.566	16.3	19.2
1 12	9 51.34	+ 8 50.3	1.704	2.564	13.1	19.0
1 22	9 45.59	+ 8 42.6	1.637	2.563	9.3	18.7
2 1	9 37.90	+ 8 46.8	1.594	2.562	5.2	18.5
2 11	9 29.17	+ 8 59.8	1.578	2.562	2.1	18.3
2 21	9 20.51	+ 9 17.9	1.590	2.563	5.1	18.5
3 2	9 13.04	+ 9 36.8	1.630	2.564	9.3	18.7
3 12	9 7.63	+ 9 52.6	1.693	2.566	13.1	19.0

325276 2008 GA_{131} 2 9.7 255°.11 6°.1/13.9 17

1 2	9 56.54	− 2 45.8	2.169	2.871	15.9	21.1
1 12	9 52.60	− 3 26.2	2.055	2.855	13.6	20.9
1 22	9 46.40	− 3 49.5	1.961	2.837	10.9	20.7
2 1	9 38.32	− 3 53.4	1.890	2.820	8.1	20.5
2 11	9 29.10	− 3 37.6	1.847	2.802	6.3	20.4
2 21	9 19.69	− 3 4.3	1.831	2.783	6.8	20.3
3 2	9 11.10	− 2 17.5	1.844	2.764	9.3	20.5
3 12	9 4.23	− 1 23.5	1.882	2.745	12.4	20.6

429010 2009 BT_{93} 2 9.8 24°.24 0°.4/10.1 18

1 2	9 51.66	+ 9 48.4	2.189	2.958	13.8	20.9
1 12	9 48.59	+10 28.2	2.100	2.960	11.0	20.8
1 22	9 43.50	+11 22.1	2.033	2.962	7.5	20.5
2 1	9 36.83	+12 26.7	1.992	2.965	3.7	20.3
2 11	9 29.34	+13 36.8	1.981	2.967	0.5	20.1
2 21	9 21.87	+14 46.5	1.999	2.970	4.4	20.4
3 2	9 15.32	+15 50.2	2.046	2.973	8.2	20.6
3 12	9 10.42	+16 43.9	2.119	2.976	11.5	20.8

287470 2003 AE_{42} 2 9.8 354°.16 5°.7/12.2 18

1 2	9 53.59	+ 5 20.0	1.097	1.899	22.8	19.8
1 12	9 52.05	+ 4 18.5	1.021	1.893	18.9	19.5
1 22	9 46.94	+ 3 37.6	0.962	1.888	14.2	19.2
2 1	9 38.83	+ 3 19.9	0.922	1.884	9.1	18.9
2 11	9 29.03	+ 3 25.0	0.904	1.882	5.8	18.7
2 21	9 19.26	+ 3 48.3	0.910	1.882	8.0	18.8
3 2	9 11.29	+ 4 22.4	0.938	1.882	13.0	19.1
3 12	9 6.47	+ 4 58.7	0.985	1.884	17.9	19.4

304882 2007 RS_{168} 2 9.8 54°.25 2°.5/ 8.3 18

1 2	9 59.08	+17 42.1	1.385	2.192	18.6	21.3
1 12	9 55.47	+18 19.8	1.323	2.207	14.5	21.0
1 22	9 48.66	+19 8.8	1.281	2.222	9.7	20.8
2 1	9 39.39	+20 1.7	1.263	2.238	4.7	20.6
2 11	9 28.98	+20 49.9	1.271	2.254	2.9	20.5
2 21	9 18.96	+21 26.1	1.306	2.270	7.3	20.8
3 2	9 10.74	+21 46.0	1.366	2.287	11.9	21.1
3 12	9 5.32	+21 48.7	1.448	2.304	15.9	21.4

465768 2009 WJ_{188} 2 9.8 88°.40 1°.4/10.8 18

1 2	9 56.19	+ 9 18.9	1.991	2.754	15.2	21.5
1 12	9 52.26	+ 9 22.5	1.906	2.762	12.1	21.3
1 22	9 46.03	+ 9 39.2	1.844	2.769	8.5	21.1
2 1	9 38.04	+10 7.0	1.807	2.777	4.5	20.9
2 11	9 29.18	+10 41.7	1.799	2.784	1.4	20.7
2 21	9 20.42	+11 18.8	1.820	2.792	4.6	20.9
3 2	9 12.78	+11 53.6	1.869	2.799	8.6	21.2
3 12	9 7.06	+12 22.4	1.943	2.807	12.1	21.4

442664 2012 TS_{227} 2 9.8 112°.52 0°.3/ 9.6 15

1 2	10 1.80	+12 27.8	1.511	2.294	18.4	22.1
1 12	9 57.33	+12 56.5	1.441	2.310	14.5	21.9
1 22	9 49.82	+13 40.8	1.391	2.325	9.9	21.7
2 1	9 39.94	+14 35.4	1.366	2.340	4.7	21.4
2 11	9 28.91	+15 32.9	1.368	2.355	0.8	21.2
2 21	9 18.17	+16 25.7	1.399	2.368	6.1	21.6
3 2	9 9.08	+17 7.8	1.456	2.382	10.9	21.9
3 12	9 2.65	+17 36.1	1.536	2.394	15.0	22.2

269067 2007 GQ_{44} 2 9.8 27°.00 3°.4/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 56.53	+21 10.8	1.838	2.637	15.0	20.5
1 12	9 52.92	+21 58.5	1.759	2.639	11.7	20.2
1 22	9 46.70	+22 53.0	1.703	2.641	8.0	20.0
2 1	9 38.43	+23 47.8	1.672	2.644	4.4	19.8
2 11	9 29.13	+24 35.5	1.670	2.647	3.8	19.8
2 21	9 19.96	+25 10.2	1.696	2.650	7.0	20.0
3 2	9 12.08	+25 28.3	1.748	2.653	10.8	20.2
3 12	9 6.42	+25 29.3	1.823	2.656	14.1	20.4

146383 2001 QD_{58} 2 9.8 152°.27 1°.9/ 8.1 18

1 2	9 58.89	+18 10.3	2.369	3.142	12.8	21.3
1 12	9 54.04	+18 52.9	2.286	3.152	10.0	21.1
1 22	9 47.08	+19 42.5	2.227	3.161	6.7	20.9
2 1	9 38.51	+20 34.2	2.196	3.169	3.3	20.7
2 11	9 29.14	+21 22.5	2.195	3.177	2.2	20.7
2 21	9 19.87	+22 2.8	2.225	3.184	5.2	20.9
3 2	9 11.63	+22 31.7	2.285	3.190	8.6	21.1
3 12	9 5.14	+22 48.0	2.369	3.196	11.5	21.3

331496 1999 RN_{238} 2 9.8 146°.91 4°.6/13.9 18

1 2	9 56.06	− 1 51.9	2.630	3.323	13.5	21.4
1 12	9 51.55	− 2 12.0	2.536	3.333	11.4	21.2
1 22	9 45.25	− 2 16.8	2.465	3.343	8.9	21.1
2 1	9 37.60	− 2 5.9	2.419	3.352	6.4	20.9
2 11	9 29.27	− 1 40.4	2.401	3.360	4.7	20.8
2 21	9 20.99	− 1 3.1	2.414	3.368	5.2	20.9
3 2	9 13.51	− 0 18.0	2.455	3.376	7.3	21.0
3 12	9 7.47	+ 0 30.3	2.524	3.383	9.8	21.2

422597 2014 TT_{69} 2 9.8 115°.58 1°.3/ 8.7 18

1 2	9 57.40	+15 30.1	1.959	2.741	14.8	21.7
1 12	9 53.29	+16 10.3	1.881	2.751	11.6	21.5
1 22	9 46.77	+17 0.8	1.825	2.761	7.8	21.3
2 1	9 38.42	+17 56.8	1.796	2.771	3.7	21.0
2 11	9 29.15	+18 52.0	1.796	2.781	1.7	20.9
2 21	9 20.02	+19 40.3	1.825	2.790	5.5	21.2
3 2	9 12.10	+20 17.4	1.883	2.799	9.4	21.4
3 12	9 6.20	+20 41.1	1.964	2.808	12.8	21.7

223780 2004 SD_{30} 2 9.8 77°.33 1°.1/10.6 18

1 2	9 56.70	+ 9 31.6	1.959	2.723	15.4	21.2
1 12	9 52.57	+ 9 45.4	1.887	2.743	12.2	21.0
1 22	9 46.17	+10 12.8	1.836	2.763	8.4	20.8
2 1	9 38.08	+10 50.9	1.812	2.782	4.3	20.6
2 11	9 29.20	+11 34.8	1.816	2.802	1.1	20.4
2 21	9 20.55	+12 19.5	1.849	2.821	4.6	20.7
3 2	9 13.09	+13 0.2	1.911	2.840	8.5	21.0
3 12	9 7.58	+13 33.3	1.998	2.859	11.9	21.2

157442 2004 VZ_{13} 2 9.8 187°.91 5°.0/ 5.1 18 R

1 2	9 58.06	+27 29.3	2.344	3.134	12.4	19.9
1 12	9 53.69	+28 38.7	2.262	3.134	9.8	19.7
1 22	9 47.01	+29 50.1	2.205	3.133	7.2	19.5
2 1	9 38.54	+30 56.4	2.175	3.132	5.2	19.4
2 11	9 29.13	+31 50.7	2.175	3.130	5.5	19.4
2 21	9 19.76	+32 28.1	2.204	3.128	7.7	19.5
3 2	9 11.47	+32 46.1	2.259	3.126	10.4	19.7
3 12	9 5.07	+32 45.2	2.338	3.123	12.9	19.9

231422 2007 EG_{65} 2 9.8 359°.78 1°.0/10.4 18

1 2	9 53.82	+ 8 37.5	1.267	2.067	20.4	20.2
1 12	9 51.81	+ 9 8.1	1.189	2.066	16.3	19.9
1 22	9 46.54	+10 2.6	1.129	2.065	11.4	19.6
2 1	9 38.57	+11 17.3	1.091	2.065	5.8	19.3
2 11	9 29.11	+12 44.0	1.078	2.065	1.1	19.0
2 21	9 19.68	+14 11.8	1.092	2.066	6.5	19.4
3 2	9 11.87	+15 30.4	1.129	2.067	12.1	19.7
3 12	9 6.90	+16 32.7	1.189	2.068	16.9	20.0

421374 2013 TH_{136} 2 9.8 166°.40 2°.3/11.6 18

1 2	9 55.16	+ 6 9.5	2.261	3.006	14.1	21.4
1 12	9 51.22	+ 6 11.2	2.167	3.008	11.4	21.2
1 22	9 45.23	+ 6 26.8	2.094	3.010	8.2	21.0
2 1	9 37.66	+ 6 54.8	2.048	3.012	4.8	20.8
2 11	9 29.26	+ 7 32.4	2.031	3.013	2.3	20.6
2 21	9 20.89	+ 8 15.2	2.044	3.014	4.4	20.7
3 2	9 13.43	+ 8 58.9	2.085	3.015	7.8	20.9
3 12	9 7.64	+ 9 39.0	2.153	3.016	11.1	21.2

226803 2004 RH_{211} 2 9.8 194°.90 4°.7/14.1 18

1 2	9 55.62	− 2 47.8	2.745	3.430	13.2	21.5
1 12	9 51.24	− 3 3.9	2.637	3.428	11.2	21.4
1 22	9 45.09	− 3 4.7	2.551	3.424	8.8	21.2
2 1	9 37.57	− 2 49.4	2.490	3.420	6.4	21.0
2 11	9 29.28	− 2 19.0	2.458	3.415	4.8	20.9
2 21	9 20.96	− 1 36.1	2.456	3.409	5.2	20.9
3 2	9 13.34	− 0 44.8	2.484	3.403	7.3	21.1
3 12	9 7.07	+ 0 10.4	2.539	3.396	9.8	21.2

85208 1992 EG_{20} 2 9.8 247°.95 1°.5/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 53.21	+16 46.1	2.541	3.318	11.9	20.1
1 12	9 49.60	+17 27.8	2.443	3.311	9.3	19.9
1 22	9 44.10	+18 17.6	2.369	3.304	6.3	19.7
2 1	9 37.12	+19 11.4	2.323	3.297	3.0	19.4
2 11	9 29.35	+20 4.4	2.307	3.290	1.8	19.3
2 21	9 21.55	+20 51.8	2.321	3.283	4.8	19.5
3 2	9 14.55	+21 29.9	2.364	3.275	8.0	19.7
3 12	9 9.05	+21 56.5	2.433	3.268	11.0	19.9

462064 2007 EC_{101} 2 9.8 328°.67 5°.0/ 6.3 18

1 2	9 58.71	+25 35.3	1.801	2.603	15.1	21.0
1 12	9 54.83	+26 24.3	1.720	2.599	11.9	20.8
1 22	9 48.12	+27 16.5	1.661	2.596	8.5	20.6
2 1	9 39.17	+28 4.5	1.628	2.593	5.5	20.4
2 11	9 29.05	+28 40.2	1.622	2.590	5.4	20.4
2 21	9 19.07	+28 58.1	1.644	2.587	8.3	20.5
3 2	9 10.49	+28 55.7	1.692	2.584	11.8	20.7
3 12	9 4.32	+28 34.1	1.762	2.582	15.1	20.9

88600 2001 QA_{280} 2 9.8 44°.23 0°.4/ 9.4 18

1 2	9 53.16	+10 24.5	1.570	2.360	17.5	18.8
1 12	9 50.53	+11 26.5	1.498	2.371	13.8	18.5
1 22	9 45.20	+12 47.9	1.446	2.383	9.3	18.3
2 1	9 37.76	+14 22.9	1.419	2.394	4.4	18.0
2 11	9 29.26	+16 2.4	1.420	2.406	0.9	17.8
2 21	9 20.90	+17 36.8	1.449	2.419	5.9	18.2
3 2	9 13.90	+18 57.8	1.505	2.432	10.5	18.5
3 12	9 9.20	+20 0.6	1.584	2.445	14.5	18.8

495015 2010 RP_{81} 2 9.8 60°.97 0°.8/10.3 16

1 2	9 59.76	+ 8 31.2	1.574	2.345	18.3	21.7
1 12	9 55.24	+ 9 14.1	1.525	2.385	14.3	21.5
1 22	9 48.05	+10 14.8	1.496	2.425	9.8	21.3
2 1	9 38.96	+11 28.1	1.492	2.464	4.8	21.1
2 11	9 29.12	+12 46.1	1.517	2.503	0.9	20.9
2 21	9 19.77	+14 0.7	1.570	2.541	5.3	21.3
3 2	9 12.04	+15 5.4	1.651	2.580	9.6	21.7
3 12	9 6.69	+15 56.3	1.756	2.617	13.3	22.0

413864 2006 UJ_{99} 2 9.8 148°.69 1°.6/11.1 18

1 2	9 57.47	+ 7 13.8	2.264	3.008	14.1	23.1
1 12	9 52.96	+ 7 33.0	2.176	3.018	11.3	22.9
1 22	9 46.37	+ 8 6.1	2.110	3.028	8.0	22.7
2 1	9 38.20	+ 8 51.0	2.071	3.037	4.4	22.5
2 11	9 29.21	+ 9 43.5	2.061	3.046	1.6	22.3
2 21	9 20.30	+10 38.8	2.083	3.053	4.3	22.5
3 2	9 12.37	+11 31.9	2.133	3.061	7.9	22.7
3 12	9 6.16	+12 18.7	2.211	3.067	11.1	22.9

135502 2001 XK_{98} 2 9.8 136°.04 5°.1/15.2 18

1 2	9 54.28	− 5 45.6	3.098	3.760	12.2	20.5
1 12	9 49.88	− 6 13.7	3.005	3.773	10.5	20.3
1 22	9 43.98	− 6 27.4	2.933	3.785	8.5	20.2
2 1	9 36.97	− 6 25.7	2.887	3.797	6.5	20.1
2 11	9 29.39	− 6 9.2	2.869	3.808	5.2	20.0
2 21	9 21.86	− 5 39.9	2.880	3.819	5.3	20.0
3 2	9 15.00	− 5 0.8	2.921	3.830	6.8	20.2
3 12	9 9.33	− 4 16.0	2.989	3.840	8.7	20.3

240767 2005 NO_{87} 2 9.8 148°.35 0°.0/ 9.7 17

1 2	9 53.49	+12 33.5	2.919	3.676	11.0	21.7
1 12	9 49.41	+12 57.3	2.828	3.683	8.6	21.6
1 22	9 43.74	+13 29.1	2.762	3.690	5.9	21.4
2 1	9 36.87	+14 6.5	2.723	3.696	2.8	21.2
2 11	9 29.40	+14 46.0	2.716	3.702	0.4	21.0
2 21	9 22.00	+15 24.1	2.739	3.708	3.6	21.3
3 2	9 15.31	+15 57.7	2.793	3.714	6.5	21.5
3 12	9 9.91	+16 24.6	2.874	3.719	9.2	21.7

237721 2001 WL_{3} 2 9.8 192°.52 1°.5/11.3 17

1 2	9 53.41	+ 7 10.4	2.903	3.640	11.5	21.8
1 12	9 49.40	+ 7 21.2	2.800	3.639	9.2	21.7
1 22	9 43.78	+ 7 42.9	2.721	3.636	6.6	21.5
2 1	9 36.92	+ 8 13.7	2.669	3.634	3.7	21.3
2 11	9 29.41	+ 8 51.2	2.648	3.631	1.5	21.1
2 21	9 21.89	+ 9 32.0	2.657	3.628	3.5	21.3
3 2	9 15.05	+10 12.5	2.697	3.624	6.4	21.4
3 12	9 9.47	+10 49.7	2.764	3.620	9.2	21.6

347762 2002 CF_{12} 2 9.8 343°.30 1°.7/ 8.2 18

1 2	9 43.28	+ 3 23.9	1.071	1.884	22.4	19.1
1 12	9 44.18	+ 6 6.7	0.980	1.868	18.0	18.7
1 22	9 41.84	+ 9 46.7	0.909	1.853	12.3	18.4
2 1	9 36.58	+14 16.1	0.862	1.840	5.6	18.0
2 11	9 29.41	+19 11.8	0.844	1.829	2.7	17.7
2 21	9 21.90	+24 1.0	0.853	1.819	9.7	18.1
3 2	9 15.88	+28 13.2	0.889	1.812	16.3	18.4
3 12	9 12.98	+31 31.0	0.945	1.806	21.9	18.7

223701 2004 RR_{34} 2 9.8 236°.46 2°.2/ 8.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 56.98	+18 28.9	2.132	2.916	13.7	20.8
1 12	9 52.99	+19 9.1	2.036	2.908	10.7	20.5
1 22	9 46.65	+19 57.6	1.963	2.899	7.3	20.3
2 1	9 38.44	+20 49.3	1.917	2.891	3.7	20.1
2 11	9 29.19	+21 38.1	1.900	2.882	2.5	20.0
2 21	9 19.92	+22 18.5	1.913	2.872	5.9	20.2
3 2	9 11.68	+22 46.6	1.954	2.863	9.6	20.4
3 12	9 5.33	+23 0.5	2.019	2.853	12.9	20.6

419971 2011 BJ_{162} 2 9.8 135°.34 2°.2/ 7.8 18

1 2	9 54.52	+15 35.7	1.993	2.779	14.4	21.3
1 12	9 51.15	+16 53.0	1.908	2.782	11.2	21.1
1 22	9 45.44	+18 23.4	1.847	2.785	7.5	20.9
2 1	9 37.86	+20 0.4	1.814	2.788	3.7	20.7
2 11	9 29.28	+21 35.8	1.809	2.791	2.6	20.6
2 21	9 20.71	+23 1.6	1.835	2.794	6.1	20.8
3 2	9 13.21	+24 11.9	1.889	2.796	9.9	21.1
3 12	9 7.65	+25 3.6	1.967	2.799	13.3	21.3

456347 2006 TT_{48} 2 9.8 89°.48 1°.5/10.9 18

1 2	9 57.91	+ 8 18.1	1.822	2.585	16.4	21.8
1 12	9 53.72	+ 8 31.4	1.749	2.604	13.1	21.7
1 22	9 47.07	+ 9 0.2	1.697	2.622	9.2	21.5
2 1	9 38.58	+ 9 41.9	1.671	2.640	4.8	21.2
2 11	9 29.21	+10 31.3	1.673	2.658	1.5	21.0
2 21	9 20.06	+11 22.6	1.704	2.676	4.9	21.3
3 2	9 12.20	+12 10.4	1.763	2.693	9.0	21.6
3 12	9 6.45	+12 50.2	1.847	2.710	12.6	21.8

401017 2011 SE_{32} 2 9.8 147°.21 5°.3/14.3 18

1 2	9 58.18	− 3 27.6	2.134	2.831	16.2	22.2
1 12	9 53.66	− 3 32.9	2.045	2.843	13.7	22.0
1 22	9 46.94	− 3 17.4	1.976	2.854	10.7	21.8
2 1	9 38.52	− 2 40.4	1.931	2.865	7.6	21.7
2 11	9 29.22	− 1 44.0	1.914	2.875	5.5	21.5
2 21	9 19.99	− 0 33.0	1.926	2.884	6.0	21.6
3 2	9 11.78	+ 0 46.2	1.968	2.892	8.6	21.8
3 12	9 5.39	+ 2 6.7	2.036	2.899	11.6	22.0

70197 1999 RS_{18} 2 9.8 140°.27 4°.3/13.7 18

1 2	9 56.58	− 1 43.0	2.118	2.828	16.0	20.6
1 12	9 52.43	− 1 25.3	2.029	2.840	13.3	20.4
1 22	9 46.11	− 0 46.2	1.961	2.852	10.1	20.2
2 1	9 38.12	+ 0 13.7	1.918	2.863	6.8	20.0
2 11	9 29.28	+ 1 30.9	1.903	2.874	4.4	19.9
2 21	9 20.50	+ 2 59.6	1.919	2.884	5.3	19.9
3 2	9 12.74	+ 4 32.4	1.963	2.893	8.3	20.1
3 12	9 6.76	+ 6 2.3	2.035	2.901	11.5	20.4

19897 1097 $T\text{-}_3$ 2 9.8 82°.39 4°.4/13.1 18

1 2	9 56.19	+ 1 14.5	1.977	2.708	16.3	18.5
1 12	9 52.21	+ 0 54.3	1.897	2.722	13.5	18.3
1 22	9 45.99	+ 0 52.0	1.838	2.737	10.2	18.2
2 1	9 38.06	+ 1 7.8	1.802	2.751	6.8	18.0
2 11	9 29.29	+ 1 39.4	1.795	2.766	4.5	17.9
2 21	9 20.66	+ 2 22.6	1.815	2.780	5.6	18.0
3 2	9 13.15	+ 3 12.1	1.864	2.794	8.6	18.2
3 12	9 7.52	+ 4 2.1	1.938	2.808	11.8	18.4

169547 2002 EO_{94} 2 9.8 286°.31 1°.7/ 8.8 18

1 2	9 58.04	+16 28.2	1.567	2.364	17.2	20.7
1 12	9 54.80	+16 53.5	1.469	2.348	13.6	20.4
1 22	9 48.47	+17 31.1	1.392	2.332	9.3	20.1
2 1	9 39.54	+18 16.0	1.340	2.315	4.5	19.8
2 11	9 29.05	+19 0.9	1.314	2.299	2.1	19.5
2 21	9 18.41	+19 38.4	1.316	2.282	6.9	19.8
3 2	9 9.12	+20 3.1	1.343	2.266	11.9	20.0
3 12	9 2.41	+20 12.2	1.393	2.250	16.3	20.3

345641 2006 SV_{373} 2 9.8 166°.03 0°.9/ 8.9 18

1 2	9 53.64	+15 10.5	2.607	3.378	11.8	21.7
1 12	9 49.81	+15 44.2	2.516	3.380	9.2	21.6
1 22	9 44.17	+16 26.0	2.448	3.382	6.2	21.4
2 1	9 37.15	+17 12.4	2.409	3.383	2.9	21.2
2 11	9 29.42	+17 59.0	2.399	3.384	1.1	21.0
2 21	9 21.73	+18 41.6	2.420	3.386	4.3	21.3
3 2	9 14.84	+19 16.7	2.471	3.387	7.5	21.5
3 12	9 9.41	+19 42.2	2.547	3.387	10.4	21.6

180029 2003 AS_{37} 2 9.8 79°.78 1°.1/10.6 18

1 2	9 59.22	+ 8 55.4	1.813	2.576	16.5	20.3
1 12	9 54.63	+ 9 17.5	1.750	2.605	13.1	20.2
1 22	9 47.60	+ 9 54.9	1.708	2.634	9.0	20.0
2 1	9 38.79	+10 43.8	1.692	2.663	4.6	19.8
2 11	9 29.21	+11 38.8	1.705	2.691	1.1	19.6
2 21	9 19.95	+12 33.5	1.747	2.719	4.8	19.9
3 2	9 12.07	+13 22.7	1.817	2.746	8.9	20.2
3 12	9 6.31	+14 2.6	1.912	2.772	12.4	20.5

456841 2007 UK_{24} 2 9.8 102°.41 0°.6/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 59.07	+10 17.7	1.775	2.545	16.6	22.2
1 12	9 54.72	+10 44.9	1.703	2.563	13.1	22.0
1 22	9 47.81	+11 27.0	1.652	2.581	9.0	21.8
2 1	9 38.96	+12 20.3	1.627	2.599	4.4	21.5
2 11	9 29.18	+13 18.7	1.630	2.617	0.7	21.3
2 21	9 19.63	+14 15.5	1.663	2.634	5.1	21.6
3 2	9 11.43	+15 5.1	1.723	2.650	9.4	21.9
3 12	9 5.44	+15 43.9	1.808	2.666	13.1	22.2

364677 2007 TT_{361} 2 9.8 25°.30 4°.3/12.5 18

1 2	9 54.80	+ 3 9.0	1.501	2.266	19.3	20.6
1 12	9 51.97	+ 2 53.3	1.420	2.269	15.9	20.4
1 22	9 46.31	+ 2 59.5	1.358	2.273	11.8	20.2
2 1	9 38.39	+ 3 27.7	1.318	2.277	7.5	19.9
2 11	9 29.25	+ 4 14.5	1.303	2.281	4.4	19.8
2 21	9 20.18	+ 5 13.7	1.315	2.286	6.2	19.9
3 2	9 12.50	+ 6 17.6	1.353	2.291	10.4	20.1
3 12	9 7.22	+ 7 18.5	1.414	2.296	14.6	20.4

54715 2001 HM_{44} 2 9.8 132°.62 3°.6/12.3 18

1 2	9 59.92	+ 3 16.9	1.699	2.444	18.1	19.8
1 12	9 55.57	+ 3 15.2	1.618	2.456	14.8	19.6
1 22	9 48.52	+ 3 33.9	1.558	2.468	10.9	19.4
2 1	9 39.36	+ 4 12.1	1.521	2.480	6.7	19.2
2 11	9 29.12	+ 5 5.8	1.512	2.490	3.7	19.0
2 21	9 19.01	+ 6 8.8	1.531	2.500	5.7	19.2
3 2	9 10.26	+ 7 14.0	1.578	2.510	9.7	19.4
3 12	9 3.80	+ 8 14.7	1.649	2.519	13.6	19.7

451939 2014 MQ_1 2 9.8 276°.46 4°.5/ 6.9 18

1 2	9 58.21	+20 32.0	1.439	2.250	17.8	20.9
1 12	9 55.26	+21 38.4	1.352	2.239	14.0	20.6
1 22	9 48.96	+22 57.2	1.287	2.228	9.7	20.3
2 1	9 39.83	+24 19.7	1.245	2.217	5.5	20.1
2 11	9 29.03	+25 34.6	1.231	2.207	5.0	20.0
2 21	9 18.14	+26 31.9	1.242	2.196	9.1	20.2
3 2	9 8.82	+27 5.5	1.278	2.185	13.7	20.4
3 12	9 2.39	+27 14.5	1.335	2.174	17.9	20.6

371770 2007 HA_{10} 2 9.8 31°.06 2°.2/11.4 18

1 2	9 53.90	+ 6 39.5	1.788	2.555	16.6	21.2
1 12	9 50.80	+ 6 48.1	1.704	2.559	13.4	21.0
1 22	9 45.25	+ 7 14.1	1.640	2.563	9.6	20.7
2 1	9 37.80	+ 7 55.7	1.600	2.567	5.4	20.5
2 11	9 29.34	+ 8 48.4	1.588	2.571	2.2	20.3
2 21	9 20.95	+ 9 46.1	1.603	2.576	5.0	20.5
3 2	9 13.72	+10 42.7	1.647	2.581	9.2	20.8
3 12	9 8.53	+11 32.6	1.714	2.586	13.0	21.0

281868 2010 DH_{70} 2 9.8 248°.75 1°.4/11.1 17

1 2	9 52.69	+ 7 52.1	2.676	3.422	12.1	21.3
1 12	9 49.08	+ 8 7.8	2.566	3.411	9.8	21.1
1 22	9 43.72	+ 8 35.1	2.479	3.399	6.9	20.9
2 1	9 36.97	+ 9 12.6	2.420	3.387	3.8	20.7
2 11	9 29.46	+ 9 57.1	2.390	3.375	1.4	20.5
2 21	9 21.88	+10 44.7	2.391	3.362	3.7	20.7
3 2	9 14.99	+11 31.5	2.422	3.350	7.0	20.9
3 12	9 9.44	+12 13.7	2.479	3.337	10.0	21.0

351593 2005 UT_{511} 2 9.8 60°.30 4°.0/ 7.4 18

1 2	9 59.96	+19 44.6	1.271	2.086	19.4	20.7
1 12	9 56.55	+20 43.9	1.212	2.101	15.2	20.5
1 22	9 49.63	+21 54.3	1.173	2.116	10.3	20.2
2 1	9 39.98	+23 6.1	1.157	2.131	5.5	20.0
2 11	9 29.04	+24 8.2	1.168	2.146	4.5	20.0
2 21	9 18.52	+24 51.9	1.204	2.162	8.6	20.3
3 2	9 10.00	+25 13.1	1.264	2.178	13.3	20.6
3 12	9 4.57	+25 12.2	1.345	2.193	17.3	20.9

260038 2004 GV_{41} 2 9.8 321°.69 3°.7/ 7.4 18

1 2	9 55.25	+20 18.4	1.505	2.318	17.0	20.9
1 12	9 52.73	+21 4.4	1.415	2.303	13.5	20.6
1 22	9 47.11	+22 0.9	1.347	2.289	9.2	20.4
2 1	9 38.89	+23 0.5	1.302	2.276	5.0	20.1
2 11	9 29.18	+23 54.2	1.284	2.263	4.2	20.0
2 21	9 19.40	+24 33.9	1.292	2.251	8.2	20.2
3 2	9 11.06	+24 54.2	1.325	2.239	12.8	20.4
3 12	9 5.38	+24 54.0	1.379	2.228	16.9	20.6

178288 1983 QF_1 2 9.8 164°.40 0°.1/ 9.9 18

1 2	9 57.77	+12 17.2	2.383	3.141	13.1	21.6
1 12	9 53.16	+12 36.5	2.292	3.147	10.4	21.5
1 22	9 46.51	+13 5.7	2.224	3.152	7.1	21.3
2 1	9 38.30	+13 41.9	2.183	3.156	3.4	21.0
2 11	9 29.29	+14 20.9	2.173	3.159	0.5	20.8
2 21	9 20.34	+14 58.6	2.193	3.163	4.3	21.1
3 2	9 12.33	+15 31.0	2.243	3.165	7.8	21.3
3 12	9 5.98	+15 55.7	2.319	3.167	11.0	21.5

20990 1983 RL_3 2 9.8 123°.57 0°.9/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	10 2.49	+10 40.6	1.557	2.331	18.3	18.5
1 12	9 57.83	+10 47.6	1.482	2.344	14.6	18.3
1 22	9 50.17	+11 10.2	1.427	2.356	10.1	18.1
2 1	9 40.18	+11 44.9	1.396	2.368	5.1	17.8
2 11	9 29.02	+12 25.9	1.393	2.380	1.0	17.6
2 21	9 18.10	+13 7.0	1.419	2.391	5.7	17.9
3 2	9 8.77	+13 42.4	1.471	2.401	10.5	18.2
3 12	9 2.04	+14 8.3	1.548	2.411	14.7	18.5

361313 2006 UX_{17} 2 9.8 128°.28 19°.7/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 24.76	+52 23.4	1.167	1.946	22.9	20.8
1 12	10 19.67	+55 8.3	1.139	1.956	21.1	20.7
1 22	10 7.42	+57 28.0	1.127	1.965	20.0	20.6
2 1	9 49.02	+58 59.6	1.134	1.974	19.8	20.6
2 11	9 27.80	+59 26.5	1.158	1.982	20.6	20.7
2 21	9 8.16	+58 46.6	1.200	1.990	22.2	20.9
3 2	8 53.67	+57 10.1	1.256	1.997	24.0	21.0
3 12	8 45.75	+54 54.2	1.326	2.003	25.8	21.2

123576 2000 XV_{38} 2 9.8 311°.96 9°.8/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 8.40	+ 3 59.5	1.097	1.869	24.6	19.4
1 12	10 4.12	+ 1 35.1	1.013	1.861	20.9	19.1
1 22	9 55.55	− 0 39.2	0.947	1.854	16.5	18.8
2 1	9 43.21	− 2 35.4	0.901	1.848	12.1	18.5
2 11	9 28.55	− 4 5.7	0.879	1.842	9.8	18.4
2 21	9 13.70	− 5 5.4	0.881	1.836	11.6	18.5
3 2	9 0.90	− 5 35.7	0.906	1.830	16.0	18.7
3 12	8 51.88	− 5 43.9	0.950	1.825	20.6	18.9

58434 1996 FQ_{18} 2 9.8 256°.27 2°.5/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.97	+ 7 12.8	1.681	2.446	17.5	19.6
1 12	9 54.43	+ 7 8.2	1.579	2.433	14.3	19.3
1 22	9 48.05	+ 7 20.7	1.497	2.420	10.3	19.1
2 1	9 39.30	+ 7 49.6	1.439	2.406	5.9	18.8
2 11	9 29.13	+ 8 31.0	1.408	2.392	2.5	18.5
2 21	9 18.78	+ 9 19.4	1.405	2.377	5.7	18.7
3 2	9 9.61	+10 8.4	1.429	2.362	10.4	18.9
3 12	9 2.74	+10 52.0	1.477	2.347	14.8	19.1

142463 2002 TH_8 2 9.8 59°.47 1°.5/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.54	+ 8 43.6	1.537	2.315	18.3	20.0
1 12	9 53.83	+ 8 55.3	1.473	2.336	14.6	19.8
1 22	9 47.34	+ 9 24.6	1.428	2.357	10.2	19.6
2 1	9 38.77	+10 8.2	1.408	2.379	5.3	19.4
2 11	9 29.24	+11 0.0	1.415	2.401	1.5	19.2
2 21	9 20.03	+11 53.2	1.450	2.423	5.4	19.5
3 2	9 12.36	+12 41.5	1.511	2.444	9.9	19.8
3 12	9 7.09	+13 20.2	1.596	2.466	13.9	20.1

344259 2001 SF_{303} 2 9.8 150°.44 3°.0/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.91	+23 13.7	2.424	3.207	12.2	21.4
1 12	9 53.32	+23 43.0	2.339	3.209	9.6	21.2
1 22	9 46.63	+24 15.0	2.278	3.211	6.6	21.0
2 1	9 38.36	+24 44.9	2.244	3.213	3.8	20.8
2 11	9 29.29	+25 7.9	2.241	3.215	3.3	20.8
2 21	9 20.36	+25 20.3	2.267	3.217	5.8	21.0
3 2	9 12.44	+25 20.3	2.321	3.219	8.8	21.2
3 12	9 6.28	+25 7.6	2.401	3.220	11.6	21.4

29653 1998 WG_9 2 9.8 64°.83 4°.3/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 3.00	+20 53.1	1.296	2.107	19.4	18.6
1 12	9 58.68	+21 52.9	1.247	2.133	15.1	18.4
1 22	9 50.88	+23 0.9	1.218	2.159	10.2	18.2
2 1	9 40.48	+24 7.1	1.213	2.186	5.6	18.0
2 11	9 29.02	+25 1.1	1.235	2.212	4.8	18.0
2 21	9 18.18	+25 35.5	1.282	2.238	8.6	18.3
3 2	9 9.46	+25 47.6	1.355	2.264	12.9	18.6
3 12	9 3.83	+25 39.1	1.448	2.290	16.7	18.9

431577 2007 VH_{26} 2 9.8 72°.50 4°.4/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.44	+26 29.8	2.252	3.044	12.8	21.1
1 12	9 53.17	+27 18.1	2.177	3.051	10.0	21.0
1 22	9 46.63	+28 7.8	2.126	3.057	7.2	20.8
2 1	9 38.38	+28 52.5	2.102	3.064	4.8	20.7
2 11	9 29.30	+29 26.3	2.107	3.071	4.8	20.7
2 21	9 20.40	+29 45.1	2.141	3.077	7.1	20.8
3 2	9 12.65	+29 47.1	2.202	3.084	9.9	21.0
3 12	9 6.81	+29 32.9	2.286	3.091	12.6	21.2

102679 1999 VP_{68} 2 9.8 46°.42 3°.5/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.14	+ 5 46.2	1.266	2.051	21.2	20.1
1 12	9 54.28	+ 5 33.3	1.194	2.058	17.2	19.9
1 22	9 48.13	+ 5 43.0	1.140	2.066	12.5	19.6
2 1	9 39.33	+ 6 14.6	1.108	2.074	7.3	19.3
2 11	9 29.16	+ 7 3.2	1.100	2.083	3.5	19.1
2 21	9 19.18	+ 8 1.1	1.118	2.092	6.5	19.3
3 2	9 10.93	+ 8 59.7	1.161	2.101	11.5	19.6
3 12	9 5.54	+ 9 51.4	1.225	2.110	16.2	19.9

503687 2016 HK_{15} 2 9.8 215°.71 1°.1/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 55.67	+15 45.6	2.299	3.075	13.1	22.4
1 12	9 51.72	+16 16.8	2.204	3.071	10.2	22.2
1 22	9 45.66	+16 56.8	2.133	3.067	6.9	22.0
2 1	9 37.96	+17 41.8	2.088	3.063	3.3	21.8
2 11	9 29.37	+18 26.8	2.074	3.059	1.4	21.6
2 21	9 20.78	+19 6.8	2.089	3.054	4.9	21.8
3 2	9 13.13	+19 38.2	2.133	3.049	8.5	22.0
3 12	9 7.18	+19 58.6	2.202	3.044	11.7	22.2

189122 2001 WF_{60} 2 9.8 286°.57 8°.6/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.57	− 7 28.3	1.919	2.609	18.0	19.6
1 12	9 51.39	− 8 27.1	1.816	2.598	15.8	19.4
1 22	9 45.77	− 9 4.7	1.731	2.586	13.2	19.2
2 1	9 38.15	− 9 17.0	1.667	2.575	10.6	19.0
2 11	9 29.33	− 9 2.3	1.628	2.564	8.8	18.9
2 21	9 20.34	− 8 22.3	1.615	2.552	8.9	18.9
3 2	9 12.30	− 7 21.8	1.627	2.541	10.8	19.0
3 12	9 6.19	− 6 8.8	1.664	2.530	13.6	19.1

202939 1999 AC_{26} 2 9.8 314°.85 0°.3/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.08	+12 18.1	1.317	2.125	19.3	20.0
1 12	9 51.43	+12 43.9	1.221	2.105	15.4	19.7
1 22	9 46.52	+13 29.4	1.145	2.086	10.7	19.4
2 1	9 38.76	+14 31.0	1.091	2.067	5.2	19.0
2 11	9 29.23	+15 40.8	1.062	2.049	0.9	18.6
2 21	9 19.44	+16 49.2	1.058	2.031	7.0	19.0
3 2	9 11.06	+17 47.0	1.079	2.014	12.8	19.2
3 12	9 5.52	+18 28.1	1.120	1.998	17.9	19.5

114104 2002 VH_{42} 2 9.8 118°.61 0°.4/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 2.97	+11 43.6	1.642	2.414	17.6	20.6
1 12	9 58.01	+11 58.2	1.569	2.431	13.9	20.4
1 22	9 50.18	+12 26.9	1.517	2.447	9.6	20.2
2 1	9 40.16	+13 5.7	1.490	2.463	4.7	19.9
2 11	9 29.08	+13 48.6	1.492	2.478	0.6	19.7
2 21	9 18.28	+14 29.5	1.522	2.493	5.5	20.0
3 2	9 9.03	+15 3.3	1.580	2.507	10.1	20.3
3 12	9 2.27	+15 26.6	1.662	2.520	14.1	20.6

375663 2009 DW_{109} 2 9.8 35°.86 1°.1/ 9.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 15.98	+18 35.1	0.978	1.786	24.5	19.6
1 12	10 10.11	+17 2.3	0.912	1.793	19.6	19.4
1 22	9 59.39	+15 30.6	0.863	1.801	13.6	19.0
2 1	9 44.80	+13 58.5	0.835	1.810	6.7	18.7
2 11	9 28.44	+12 26.1	0.833	1.819	1.4	18.4
2 21	9 12.86	+10 56.0	0.856	1.829	8.1	18.8
3 2	9 0.34	+ 9 31.4	0.904	1.840	14.5	19.2
3 12	8 52.23	+ 8 13.8	0.972	1.851	19.9	19.6

174483 2003 AP_{59} 2 9.8 291°.55 2°.1/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.95	+20 53.1	2.358	3.137	12.7	19.5
1 12	9 54.32	+20 59.6	2.252	3.120	10.0	19.3
1 22	9 47.47	+21 9.6	2.169	3.103	6.8	19.1
2 1	9 38.84	+21 19.2	2.114	3.086	3.5	18.8
2 11	9 29.26	+21 24.2	2.088	3.070	2.3	18.7
2 21	9 19.65	+21 21.4	2.093	3.053	5.3	18.9
3 2	9 11.01	+21 8.7	2.126	3.036	8.8	19.0
3 12	9 4.15	+20 45.8	2.185	3.019	12.0	19.2

50780 2000 FE_{16} 2 9.8 119°.70 0°.4/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.06	+12 7.9	2.205	2.978	13.6	19.1
1 12	9 49.74	+12 54.2	2.114	2.979	10.7	18.9
1 22	9 44.35	+13 53.2	2.047	2.980	7.3	18.7
2 1	9 37.34	+15 0.9	2.007	2.981	3.4	18.4
2 11	9 29.47	+16 11.8	1.996	2.982	0.8	18.2
2 21	9 21.61	+17 19.7	2.014	2.983	4.7	18.5
3 2	9 14.68	+18 19.4	2.062	2.984	8.4	18.7
3 12	9 9.42	+19 7.4	2.135	2.984	11.7	18.9

328974 2010 VY_{183} 2 9.8 60°.41 2°.7/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.80	+19 39.4	1.608	2.405	16.8	20.8
1 12	9 56.35	+20 8.8	1.548	2.426	13.1	20.6
1 22	9 49.01	+20 45.3	1.508	2.447	8.8	20.4
2 1	9 39.56	+21 22.5	1.494	2.468	4.5	20.2
2 11	9 29.18	+21 53.4	1.508	2.490	3.0	20.2
2 21	9 19.22	+22 12.6	1.550	2.511	6.7	20.5
3 2	9 10.92	+22 17.6	1.618	2.532	10.8	20.7
3 12	9 5.14	+22 8.2	1.709	2.554	14.4	21.0

26335 1998 WT_{16} 2 9.8 145°.45 6°.8/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.08	− 6 11.4	2.162	2.844	16.4	19.2
1 12	9 52.84	− 6 47.6	2.072	2.852	14.1	19.1
1 22	9 46.43	− 7 3.6	2.000	2.860	11.5	18.9
2 1	9 38.33	− 6 57.1	1.953	2.868	8.8	18.7
2 11	9 29.33	− 6 28.5	1.931	2.875	7.0	18.6
2 21	9 20.37	− 5 40.9	1.938	2.881	7.2	18.7
3 2	9 12.39	− 4 39.3	1.972	2.887	9.1	18.8
3 12	9 6.18	− 3 30.8	2.032	2.893	11.8	19.0

399557 2003 SX_{44} 2 9.8 115°.09 0°.5/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	10 0.40	+11 12.8	1.892	2.657	15.8	21.6
1 12	9 55.62	+11 31.4	1.817	2.675	12.5	21.4
1 22	9 48.36	+12 3.0	1.764	2.693	8.6	21.2
2 1	9 39.23	+12 43.9	1.737	2.709	4.2	20.9
2 11	9 29.22	+13 29.0	1.739	2.726	0.6	20.7
2 21	9 19.43	+14 12.7	1.771	2.741	4.9	21.0
3 2	9 10.93	+14 50.2	1.831	2.756	9.0	21.3
3 12	9 4.56	+15 18.3	1.916	2.771	12.6	21.6

112283 2002 LS_{28} 2 9.8 244°.05 5°.0/13.3 17

1 2	9 57.80	− 0 3.6	2.088	2.804	16.0	20.4
1 12	9 53.73	− 0 28.5	1.973	2.788	13.5	20.2
1 22	9 47.29	− 0 36.0	1.879	2.771	10.5	19.9
2 1	9 38.87	− 0 24.8	1.809	2.753	7.3	19.7
2 11	9 29.25	+ 0 4.4	1.767	2.734	5.1	19.5
2 21	9 19.40	+ 0 48.5	1.754	2.715	6.1	19.6
3 2	9 10.43	+ 1 42.3	1.769	2.695	9.3	19.7
3 12	9 3.27	+ 2 39.7	1.809	2.675	12.7	19.9

117567 2005 EJ_{30} 2 9.8 198°.16 3°.3/ 6.9 18

1 2	9 58.31	+23 58.7	2.473	3.255	12.0	20.5
1 12	9 53.66	+24 33.4	2.384	3.254	9.5	20.3
1 22	9 46.90	+25 10.7	2.319	3.252	6.6	20.1
2 1	9 38.52	+25 45.5	2.282	3.249	3.9	19.9
2 11	9 29.32	+26 12.8	2.275	3.247	3.6	19.9
2 21	9 20.19	+26 28.8	2.298	3.244	6.0	20.0
3 2	9 12.06	+26 31.3	2.348	3.241	9.0	20.2
3 12	9 5.67	+26 20.3	2.424	3.238	11.7	20.4

59086 1998 VJ_{31} 2 9.8 41°.11 0°.7/10.1 18

1 2	9 58.30	+11 37.7	1.122	1.932	21.8	18.7
1 12	9 55.37	+11 41.2	1.067	1.950	17.2	18.5
1 22	9 48.87	+12 3.4	1.030	1.969	11.8	18.3
2 1	9 39.64	+12 39.9	1.014	1.989	5.8	18.0
2 11	9 29.18	+13 23.0	1.023	2.010	0.9	17.7
2 21	9 19.22	+14 4.2	1.057	2.031	6.7	18.2
3 2	9 11.35	+14 37.1	1.115	2.053	12.1	18.5
3 12	9 6.61	+14 57.4	1.193	2.075	16.7	18.9

114467 2003 AK_{37} 2 9.8 110°.00 2°.0/11.5 18

1 2	9 59.04	+ 6 15.9	2.203	2.942	14.6	20.4
1 12	9 54.12	+ 6 26.4	2.128	2.966	11.8	20.2
1 22	9 47.12	+ 6 51.2	2.075	2.989	8.4	20.0
2 1	9 38.58	+ 7 28.1	2.048	3.012	4.7	19.9
2 11	9 29.33	+ 8 13.2	2.052	3.034	2.0	19.7
2 21	9 20.28	+ 9 2.0	2.085	3.056	4.3	19.9
3 2	9 12.32	+ 9 49.6	2.149	3.076	7.8	20.2
3 12	9 6.15	+10 32.1	2.238	3.096	10.9	20.4

208263 2000 WZ_{66} 2 9.8 74°.08 11°.1/31.5 17

1 2	10 5.66	+36 0.5	1.519	2.324	17.3	19.8
1 12	10 1.15	+38 52.3	1.490	2.356	14.3	19.6
1 22	9 52.84	+41 35.4	1.485	2.387	12.0	19.6
2 1	9 41.57	+43 53.6	1.505	2.418	11.1	19.6
2 11	9 28.91	+45 33.9	1.551	2.449	12.1	19.7
2 21	9 16.75	+46 31.2	1.622	2.479	14.1	19.9
3 2	9 6.83	+46 47.5	1.713	2.509	16.4	20.1
3 12	9 0.29	+46 29.9	1.823	2.538	18.4	20.4

53410 1999 LL_{28} 2 9.8 294°.85 1°.6/ 8.1 18

1 2	9 51.86	+14 55.1	2.302	3.083	12.9	19.1
1 12	9 48.83	+16 4.7	2.205	3.076	10.1	18.9
1 22	9 43.78	+17 26.4	2.132	3.068	6.8	18.7
2 1	9 37.10	+18 55.3	2.086	3.061	3.2	18.4
2 11	9 29.52	+20 24.6	2.071	3.054	2.0	18.3
2 21	9 21.86	+21 47.7	2.086	3.046	5.3	18.6
3 2	9 15.03	+22 58.9	2.129	3.039	8.9	18.8
3 12	9 9.81	+23 54.8	2.198	3.032	12.0	18.9

164377 2005 EM_{118} 2 9.8 174°.58 3°.6/13.1 18

1 2	9 53.55	+ 1 11.8	2.484	3.204	13.6	20.1
1 12	9 49.81	+ 1 7.7	2.386	3.205	11.3	19.9
1 22	9 44.24	+ 1 18.9	2.309	3.206	8.5	19.7
2 1	9 37.25	+ 1 45.2	2.258	3.207	5.7	19.6
2 11	9 29.50	+ 2 24.5	2.236	3.207	3.7	19.4
2 21	9 21.76	+ 3 13.2	2.243	3.208	4.6	19.5
3 2	9 14.81	+ 4 6.8	2.279	3.208	7.3	19.7
3 12	9 9.32	+ 5 0.6	2.342	3.207	10.2	19.8

10033 Bodewits 2 9.8 234°.95 4°.7/ 5.3 18 R

1 2	9 56.21	+26 41.7	2.370	3.162	12.2	18.0
1 12	9 52.27	+27 45.9	2.284	3.157	9.7	17.8
1 22	9 46.10	+28 52.6	2.222	3.152	7.0	17.6
2 1	9 38.20	+29 55.3	2.188	3.147	4.9	17.5
2 11	9 29.37	+30 47.4	2.184	3.142	5.1	17.5
2 21	9 20.57	+31 23.9	2.208	3.137	7.3	17.6
3 2	9 12.76	+31 42.3	2.259	3.132	10.1	17.8
3 12	9 6.76	+31 42.5	2.333	3.127	12.7	18.0

1791 Patsayev 2 9.8 239°.09 2°.2/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 54.77	+ 5 51.8	2.270	3.014	14.1	16.9
1 12	9 51.07	+ 5 59.6	2.163	3.004	11.5	16.7
1 22	9 45.28	+ 6 22.0	2.079	2.994	8.3	16.4
2 1	9 37.82	+ 6 57.9	2.020	2.983	4.8	16.2
2 11	9 29.42	+ 7 44.2	1.990	2.972	2.2	16.0
2 21	9 20.94	+ 8 36.3	1.990	2.961	4.4	16.1
3 2	9 13.29	+ 9 29.2	2.019	2.950	8.0	16.3
3 12	9 7.27	+10 18.3	2.074	2.938	11.4	16.5

53764 2000 EV_{81} 2 9.8 162°.31 1°.7/ 8.5 18

1 2	10 1.32	+16 2.3	1.942	2.717	15.1	19.6
1 12	9 56.50	+16 49.4	1.858	2.724	11.9	19.4
1 22	9 49.09	+17 47.3	1.796	2.731	8.0	19.2
2 1	9 39.66	+18 50.5	1.762	2.736	3.8	19.0
2 11	9 29.17	+19 51.9	1.758	2.741	2.0	18.9
2 21	9 18.77	+20 45.1	1.783	2.745	5.9	19.1
3 2	9 9.62	+21 25.3	1.836	2.748	9.9	19.4
3 12	9 2.63	+21 50.4	1.915	2.750	13.4	19.6

429363 2010 GZ_{138} 2 9.8 287°.85 1°.7/11.2 17

1 2	9 52.80	+ 7 22.1	2.262	3.017	13.9	21.7
1 12	9 49.51	+ 7 33.6	2.160	3.009	11.2	21.5
1 22	9 44.20	+ 7 59.1	2.080	3.001	8.0	21.2
2 1	9 37.29	+ 8 36.6	2.026	2.993	4.4	21.0
2 11	9 29.50	+ 9 23.0	2.001	2.985	1.7	20.8
2 21	9 21.67	+10 13.4	2.006	2.978	4.3	21.0
3 2	9 14.68	+11 3.2	2.039	2.970	7.9	21.2
3 12	9 9.29	+11 48.0	2.098	2.963	11.3	21.4

334712 2003 GW_{6} 2 9.8 285°.62 3°.9/12.9 17

1 2	9 53.67	+ 1 2.3	2.051	2.783	15.8	21.7
1 12	9 50.66	+ 1 9.7	1.925	2.753	13.2	21.5
1 22	9 45.33	+ 1 37.6	1.820	2.723	10.1	21.2
2 1	9 38.00	+ 2 26.5	1.739	2.693	6.6	21.0
2 11	9 29.38	+ 3 34.4	1.686	2.662	4.0	20.7
2 21	9 20.43	+ 4 56.2	1.662	2.630	5.4	20.7
3 2	9 12.23	+ 6 25.0	1.665	2.599	9.2	20.9
3 12	9 5.78	+ 7 52.9	1.695	2.567	13.1	21.1

306409 1996 XU_{17} 2 9.8 69°.74 0°.5/10.1 15

1 2	10 0.75	+11 24.7	1.488	2.271	18.6	22.1
1 12	9 56.40	+11 40.5	1.428	2.296	14.7	21.9
1 22	9 49.10	+12 11.7	1.388	2.321	10.0	21.7
2 1	9 39.63	+12 53.9	1.373	2.346	4.9	21.5
2 11	9 29.20	+13 40.5	1.385	2.371	0.7	21.2
2 21	9 19.20	+14 24.7	1.424	2.396	5.7	21.6
3 2	9 10.89	+15 1.0	1.491	2.421	10.3	21.9
3 12	9 5.16	+15 26.2	1.581	2.445	14.3	22.2

405897 2006 HO_{16} 2 9.8 178°.93 1°.3/ 8.7 18

1 2	9 59.09	+15 5.5	2.120	2.891	14.1	21.9
1 12	9 54.58	+15 50.6	2.029	2.893	11.1	21.7
1 22	9 47.71	+16 46.5	1.961	2.895	7.5	21.5
2 1	9 38.99	+17 48.5	1.921	2.895	3.6	21.3
2 11	9 29.28	+18 50.3	1.911	2.895	1.6	21.1
2 21	9 19.58	+19 46.0	1.931	2.894	5.4	21.4
3 2	9 10.95	+20 30.7	1.979	2.893	9.2	21.6
3 12	9 4.25	+21 2.0	2.053	2.891	12.6	21.8

320832 2008 FR_{52} 2 9.8 199°.23 0°.6/ 9.3 18

1 2	9 56.97	+13 41.9	2.198	2.968	13.8	21.9
1 12	9 52.84	+14 13.8	2.103	2.965	10.8	21.7
1 22	9 46.50	+14 56.6	2.030	2.962	7.4	21.4
2 1	9 38.40	+15 46.5	1.985	2.959	3.5	21.2
2 11	9 29.36	+16 38.3	1.969	2.955	0.9	21.0
2 21	9 20.31	+17 26.7	1.983	2.950	4.8	21.2
3 2	9 12.24	+18 7.2	2.026	2.945	8.7	21.5
3 12	9 5.94	+18 36.9	2.094	2.940	12.1	21.7

322864 2001 UU_{136} 2 9.8 87°.00 1°.4/10.8 18

1 2	9 57.93	+ 9 31.6	1.849	2.615	16.1	20.9
1 12	9 53.79	+ 9 32.7	1.771	2.627	12.9	20.7
1 22	9 47.20	+ 9 47.5	1.713	2.639	9.0	20.5
2 1	9 38.72	+10 13.6	1.681	2.651	4.7	20.3
2 11	9 29.33	+10 47.0	1.677	2.663	1.4	20.0
2 21	9 20.11	+11 22.4	1.702	2.674	4.9	20.3
3 2	9 12.13	+11 55.3	1.755	2.686	9.0	20.6
3 12	9 6.24	+12 21.9	1.833	2.697	12.7	20.8

376139 2011 BR_{1} 2 9.8 180°.14 0°.1/ 9.7 18

1 2	9 59.77	+14 21.7	2.138	2.906	14.2	21.8
1 12	9 55.01	+14 24.4	2.046	2.907	11.2	21.6
1 22	9 47.94	+14 35.5	1.976	2.907	7.7	21.3
2 1	9 39.07	+14 52.1	1.934	2.907	3.7	21.1
2 11	9 29.28	+15 10.3	1.920	2.907	0.6	20.8
2 21	9 19.56	+15 26.2	1.937	2.906	4.7	21.2
3 2	9 10.93	+15 36.6	1.983	2.906	8.6	21.4
3 12	9 4.21	+15 39.6	2.054	2.905	12.1	21.6

464951 2005 VU_{73} 2 9.8 6°.56 10°.1/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 53.27	+32 22.4	1.318	2.152	17.8	20.7
1 12	9 51.82	+34 20.4	1.262	2.153	14.6	20.5
1 22	9 46.77	+36 17.4	1.227	2.155	11.6	20.3
2 1	9 38.80	+37 59.1	1.216	2.158	10.2	20.2
2 11	9 29.32	+39 11.9	1.228	2.163	11.1	20.3
2 21	9 20.12	+39 48.1	1.262	2.169	13.7	20.5
3 2	9 12.88	+39 46.4	1.318	2.176	16.8	20.7
3 12	9 8.80	+39 11.6	1.391	2.185	19.7	20.9

337701 2001 TT_{259} 2 9.8 160°.93 0°.6/10.4 17

1 2	9 54.08	+10 21.6	2.947	3.695	11.1	22.4
1 12	9 49.90	+10 40.8	2.852	3.700	8.8	22.2
1 22	9 44.12	+11 9.0	2.782	3.705	6.1	22.0
2 1	9 37.15	+11 44.1	2.740	3.710	3.1	21.8
2 11	9 29.57	+12 23.0	2.729	3.715	0.6	21.6
2 21	9 22.03	+13 2.4	2.748	3.719	3.4	21.9
3 2	9 15.20	+13 38.9	2.798	3.722	6.4	22.1
3 12	9 9.62	+14 9.9	2.876	3.725	9.0	22.3

664 Judith 2 9.8 248°.68 1°.6/11.5 18

1 2	9 52.36	+ 6 25.1	2.903	3.640	11.5	15.8
1 12	9 48.72	+ 6 43.4	2.786	3.624	9.3	15.6
1 22	9 43.45	+ 7 13.5	2.693	3.608	6.7	15.4
2 1	9 36.89	+ 7 54.1	2.627	3.591	3.8	15.2
2 11	9 29.60	+ 8 42.5	2.591	3.574	1.6	15.0
2 21	9 22.21	+ 9 34.9	2.586	3.557	3.5	15.1
3 2	9 15.43	+10 27.5	2.612	3.540	6.6	15.3
3 12	9 9.86	+11 16.6	2.664	3.522	9.4	15.5

188302 2003 EP_{34} 2 9.8 38°.93 5°.3/14.3 18

1 2	9 52.16	− 2 56.6	1.760	2.488	18.2	19.9
1 12	9 49.52	− 2 46.5	1.673	2.493	15.3	19.7
1 22	9 44.47	− 2 10.3	1.605	2.498	11.8	19.5
2 1	9 37.51	− 1 7.8	1.559	2.503	8.2	19.3
2 11	9 29.52	+ 0 17.7	1.540	2.508	5.5	19.2
2 21	9 21.57	+ 1 59.0	1.548	2.514	6.2	19.2
3 2	9 14.74	+ 3 47.2	1.584	2.520	9.4	19.4
3 12	9 9.91	+ 5 32.6	1.645	2.525	13.0	19.7

374063 2004 RY_{29} 2 9.8 202°.48 1°.2/ 8.8 17

1 2	9 58.30	+16 41.2	2.621	3.386	11.9	22.6
1 12	9 53.52	+17 8.9	2.520	3.381	9.3	22.4
1 22	9 46.77	+17 43.4	2.443	3.375	6.3	22.2
2 1	9 38.50	+18 21.4	2.395	3.369	3.0	21.9
2 11	9 29.40	+18 58.3	2.377	3.361	1.4	21.8
2 21	9 20.29	+19 30.3	2.390	3.353	4.5	22.0
3 2	9 12.01	+19 54.1	2.434	3.345	7.8	22.2
3 12	9 5.28	+20 8.2	2.503	3.336	10.8	22.4

413919 2006 WP_{126} 2 9.8 127°.55 1°.3/ 8.5 18

1 2	9 58.23	+14 12.8	2.291	3.057	13.4	21.9
1 12	9 53.60	+15 19.1	2.215	3.076	10.4	21.7
1 22	9 46.85	+16 36.3	2.162	3.095	7.0	21.5
2 1	9 38.52	+17 59.0	2.138	3.112	3.3	21.3
2 11	9 29.40	+19 20.6	2.145	3.129	1.6	21.2
2 21	9 20.40	+20 34.9	2.183	3.145	5.0	21.5
3 2	9 12.42	+21 37.2	2.250	3.160	8.5	21.7
3 12	9 6.20	+22 24.8	2.344	3.174	11.5	22.0

517563 2014 TP_{54} 2 9.8 140°.67 0°.6/ 9.3 18

1 2	9 57.04	+13 9.8	2.085	2.857	14.4	21.7
1 12	9 52.93	+13 48.9	2.001	2.865	11.3	21.5
1 22	9 46.55	+14 39.7	1.940	2.873	7.6	21.3
2 1	9 38.43	+15 38.1	1.906	2.880	3.6	21.0
2 11	9 29.41	+16 38.3	1.901	2.887	0.9	20.8
2 21	9 20.48	+17 34.3	1.926	2.894	4.9	21.1
3 2	9 12.63	+18 21.4	1.980	2.900	8.8	21.4
3 12	9 6.65	+18 56.7	2.059	2.906	12.2	21.6

266429 2007 GQ_{58} 2 9.8 106°.76 2°.6/ 7.9 18

1 2	9 58.89	+20 4.9	1.961	2.749	14.5	20.9
1 12	9 54.57	+20 36.4	1.881	2.755	11.4	20.7
1 22	9 47.76	+21 14.3	1.823	2.760	7.7	20.5
2 1	9 39.03	+21 52.9	1.792	2.765	4.0	20.2
2 11	9 29.33	+22 26.3	1.790	2.770	2.9	20.2
2 21	9 19.80	+22 49.5	1.817	2.775	6.2	20.4
3 2	9 11.52	+22 59.5	1.871	2.780	9.9	20.6
3 12	9 5.35	+22 55.6	1.949	2.785	13.2	20.8

424065 2007 CF_{63} 2 9.8 65°.92 6°.3/ 8.8 16

1 2	10 24.99	+29 43.9	0.980	1.787	24.5	19.8
1 12	10 17.33	+29 16.6	0.922	1.801	19.7	19.5
1 22	10 4.24	+28 41.5	0.881	1.815	14.1	19.2
2 1	9 47.02	+27 47.0	0.862	1.829	8.5	19.0
2 11	9 28.29	+26 25.6	0.868	1.844	6.5	18.9
2 21	9 11.02	+24 38.9	0.899	1.859	10.6	19.2
3 2	8 57.59	+22 35.9	0.956	1.873	16.1	19.5
3 12	8 49.15	+20 27.5	1.032	1.888	20.8	19.9

132890 2002 RM_{169} 2 9.8 158°.89 2°.8/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 53.21	+ 2 49.4	2.506	3.233	13.3	20.8
1 12	9 49.54	+ 3 1.9	2.410	3.237	10.9	20.6
1 22	9 44.06	+ 3 29.6	2.335	3.240	8.1	20.5
2 1	9 37.19	+ 4 11.4	2.287	3.243	5.0	20.3
2 11	9 29.59	+ 5 4.5	2.269	3.246	2.8	20.1
2 21	9 22.01	+ 6 4.6	2.280	3.249	4.2	20.2
3 2	9 15.22	+ 7 6.8	2.321	3.251	7.1	20.4
3 12	9 9.86	+ 8 6.4	2.389	3.253	10.1	20.6

226900 2004 TO_{156} 2 9.8 73°.64 0°.0/ 9.7 18

1 2	9 55.38	+12 20.2	1.961	2.738	15.0	21.0
1 12	9 51.79	+12 44.7	1.876	2.741	11.8	20.8
1 22	9 45.87	+13 21.6	1.813	2.745	8.1	20.6
2 1	9 38.14	+14 7.4	1.775	2.749	3.9	20.3
2 11	9 29.46	+14 56.7	1.767	2.753	0.5	20.0
2 21	9 20.87	+15 43.9	1.787	2.757	4.9	20.4
3 2	9 13.37	+16 24.2	1.835	2.761	9.0	20.6
3 12	9 7.82	+16 54.2	1.908	2.765	12.6	20.9

57648 2001 TM_{203} 2 9.8 17°.53 3°.8/ 6.3 18

1 2	9 52.45	+20 54.4	1.921	2.724	14.2	18.1
1 12	9 49.71	+22 12.7	1.845	2.728	11.1	17.9
1 22	9 44.56	+23 39.1	1.793	2.733	7.6	17.7
2 1	9 37.54	+25 6.5	1.768	2.738	4.5	17.5
2 11	9 29.55	+26 26.3	1.771	2.743	4.3	17.5
2 21	9 21.63	+27 31.5	1.802	2.749	7.3	17.7
3 2	9 14.86	+28 17.6	1.860	2.756	10.7	17.9
3 12	9 10.09	+28 43.3	1.940	2.763	13.8	18.1

307934 2004 EG_{65} 2 9.8 279°.86 7°.5/ 3.4 17

1 2	9 59.41	+30 13.0	1.845	2.647	14.8	20.7
1 12	9 55.89	+31 45.8	1.749	2.624	12.0	20.4
1 22	9 49.29	+33 22.5	1.677	2.601	9.3	20.2
2 1	9 40.05	+34 52.8	1.630	2.578	7.6	20.1
2 11	9 29.18	+36 5.8	1.611	2.554	8.2	20.0
2 21	9 18.07	+36 53.2	1.618	2.530	10.9	20.1
3 2	9 8.24	+37 11.2	1.650	2.505	14.1	20.3
3 12	9 0.96	+37 0.9	1.702	2.481	17.3	20.4

329801 2004 QS_{6} 2 9.8 105°.86 4°.0/13.2 18

1 2	9 56.44	+ 0 49.8	2.215	2.934	15.1	21.2
1 12	9 52.18	+ 0 40.4	2.134	2.952	12.5	21.0
1 22	9 45.88	+ 0 47.9	2.073	2.969	9.4	20.9
2 1	9 38.06	+ 1 12.0	2.038	2.986	6.3	20.7
2 11	9 29.49	+ 1 50.4	2.032	3.002	4.1	20.6
2 21	9 21.06	+ 2 38.8	2.054	3.018	5.0	20.7
3 2	9 13.62	+ 3 32.4	2.106	3.034	7.9	20.9
3 12	9 7.89	+ 4 25.8	2.183	3.049	10.8	21.1

453361 2009 AP_{46} 2 9.8 6°.96 0°.4/10.0 16

1 2	9 54.76	+12 1.6	1.236	2.046	20.2	21.8
1 12	9 52.64	+12 8.1	1.163	2.046	16.1	21.6
1 22	9 47.17	+12 32.2	1.107	2.047	11.1	21.3
2 1	9 38.98	+13 10.2	1.074	2.049	5.5	21.0
2 11	9 29.35	+13 55.3	1.065	2.052	0.7	20.6
2 21	9 19.87	+14 39.4	1.082	2.056	6.6	21.0
3 2	9 12.11	+15 15.3	1.122	2.060	12.1	21.3
3 12	9 7.26	+15 38.5	1.184	2.066	16.8	21.6

163844 2003 SW_{57} 2 9.8 102°.69 0°.9/10.5 18

1 2	9 59.60	+ 9 33.3	1.816	2.581	16.4	20.6
1 12	9 55.09	+ 9 55.4	1.745	2.601	13.0	20.4
1 22	9 48.07	+10 32.5	1.694	2.621	9.0	20.2
2 1	9 39.15	+11 21.2	1.669	2.640	4.5	20.0
2 11	9 29.35	+12 15.7	1.673	2.659	0.9	19.8
2 21	9 19.78	+13 9.9	1.706	2.678	4.9	20.1
3 2	9 11.55	+13 58.4	1.768	2.696	9.1	20.4
3 12	9 5.47	+14 37.1	1.854	2.713	12.8	20.7

96765 1999 RS_{34} 2 9.8 329°.35 7°.3/ 4.4 18 R

1 2	10 0.04	+32 1.1	1.867	2.668	14.7	18.8
1 12	9 56.02	+33 7.4	1.791	2.664	11.9	18.6
1 22	9 49.05	+34 12.1	1.738	2.660	9.2	18.4
2 1	9 39.76	+35 6.0	1.710	2.656	7.4	18.3
2 11	9 29.26	+35 40.7	1.709	2.652	7.8	18.3
2 21	9 18.93	+35 51.0	1.734	2.649	10.1	18.5
3 2	9 10.10	+35 35.6	1.784	2.645	13.0	18.6
3 12	9 3.78	+34 57.4	1.855	2.642	15.7	18.8

407567 2010 XJ_{86} 2 9.8 79°.73 3°.7/ 6.9 18

1 2	10 0.42	+21 14.5	1.811	2.603	15.4	20.9
1 12	9 55.80	+22 21.1	1.754	2.630	11.9	20.7
1 22	9 48.55	+23 33.8	1.721	2.657	8.1	20.6
2 1	9 39.37	+24 44.6	1.714	2.684	4.6	20.4
2 11	9 29.34	+25 45.7	1.736	2.710	4.2	20.4
2 21	9 19.67	+26 30.8	1.787	2.736	7.2	20.7
3 2	9 11.48	+26 57.3	1.864	2.761	10.6	20.9
3 12	9 5.60	+27 5.2	1.965	2.786	13.7	21.2

246149 2007 PE_{24} 2 9.8 156.°62 0.°8/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	10 0.84	+10 13.3	2.168	2.919	14.5	21.6
1 12	9 55.76	+10 27.6	2.079	2.928	11.5	21.4
1 22	9 48.41	+10 54.1	2.013	2.937	8.0	21.2
2 1	9 39.32	+11 29.9	1.975	2.945	4.1	21.0
2 11	9 29.34	+12 10.8	1.966	2.952	0.9	20.8
2 21	9 19.45	+12 52.0	1.988	2.958	4.5	21.0
3 2	9 10.65	+13 29.2	2.039	2.964	8.3	21.3
3 12	9 3.72	+13 59.1	2.117	2.968	11.7	21.5

292455 2006 SX_{360} 2 9.8 195.°83 2.°7/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.54	+ 2 9.1	3.128	3.839	11.2	22.7
1 12	9 48.66	+ 2 15.0	3.020	3.836	9.2	22.5
1 22	9 43.30	+ 2 33.1	2.936	3.833	6.9	22.4
2 1	9 36.80	+ 3 2.8	2.879	3.829	4.5	22.2
2 11	9 29.69	+ 3 42.2	2.851	3.825	2.8	22.1
2 21	9 22.56	+ 4 28.3	2.855	3.820	3.7	22.1
3 2	9 16.02	+ 5 17.7	2.888	3.815	6.1	22.3
3 12	9 10.62	+ 6 6.7	2.950	3.810	8.5	22.4

340719 2006 SH_{70} 2 9.8 196.°06 0.°7/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.30	+15 10.4	2.844	3.609	11.1	21.9
1 12	9 50.22	+15 37.4	2.746	3.607	8.7	21.8
1 22	9 44.44	+16 11.6	2.673	3.605	5.9	21.6
2 1	9 37.37	+16 50.0	2.628	3.602	2.8	21.4
2 11	9 29.62	+17 28.7	2.613	3.599	0.9	21.2
2 21	9 21.87	+18 4.2	2.629	3.595	4.0	21.4
3 2	9 14.85	+18 33.4	2.675	3.591	7.0	21.6
3 12	9 9.17	+18 54.4	2.748	3.587	9.7	21.8

360150 2013 CM_{58} 2 9.8 330.°09 0.°0/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.68	+13 4.3	1.268	2.079	19.7	20.4
1 12	9 52.74	+13 7.4	1.181	2.066	15.8	20.1
1 22	9 47.41	+13 26.7	1.112	2.053	11.0	19.8
2 1	9 39.22	+13 58.9	1.066	2.041	5.4	19.4
2 11	9 29.34	+14 37.4	1.044	2.030	0.7	19.1
2 21	9 19.36	+15 14.7	1.047	2.020	6.8	19.4
3 2	9 10.98	+15 43.8	1.074	2.011	12.5	19.7
3 12	9 5.52	+16 0.2	1.121	2.003	17.6	20.0

83602 2001 SR_{266} 2 9.8 245.°86 0.°7/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.59	+10 37.0	2.033	2.799	14.9	19.6
1 12	9 52.81	+10 51.5	1.930	2.789	11.9	19.4
1 22	9 46.66	+11 19.1	1.850	2.778	8.3	19.1
2 1	9 38.59	+11 57.4	1.796	2.767	4.2	18.9
2 11	9 29.44	+12 41.9	1.770	2.756	0.8	18.6
2 21	9 20.20	+13 27.4	1.773	2.745	4.8	18.8
3 2	9 11.94	+14 8.8	1.805	2.733	9.0	19.1
3 12	9 5.58	+14 42.2	1.862	2.721	12.7	19.3

112409 2002 NN_{40} 2 9.8 128.°19 0.°3/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.64	+11 46.1	2.365	3.127	13.1	20.5
1 12	9 51.53	+12 4.2	2.278	3.135	10.4	20.3
1 22	9 45.45	+12 32.4	2.215	3.143	7.1	20.1
2 1	9 37.87	+13 8.1	2.178	3.150	3.5	19.9
2 11	9 29.55	+13 47.1	2.171	3.158	0.5	19.7
2 21	9 21.31	+14 25.3	2.194	3.165	4.1	20.0
3 2	9 14.00	+14 58.9	2.247	3.171	7.7	20.2
3 12	9 8.31	+15 25.0	2.325	3.178	10.8	20.4

12630 Verstappen 2 9.8 192.°13 2.°6/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 1.27	+19 53.6	1.995	2.777	14.5	19.0
1 12	9 56.51	+20 28.1	1.906	2.776	11.4	18.8
1 22	9 49.16	+21 9.5	1.839	2.775	7.8	18.6
2 1	9 39.77	+21 52.1	1.800	2.772	4.0	18.4
2 11	9 29.29	+22 29.6	1.789	2.770	2.9	18.3
2 21	9 18.87	+22 56.7	1.808	2.766	6.3	18.5
3 2	9 9.68	+23 10.1	1.855	2.762	10.1	18.7
3 12	9 2.63	+23 9.0	1.927	2.758	13.6	18.9

17356 Vityazev 2 9.8 148.°17 1.°1/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 3.22	+10 18.4	1.888	2.645	16.2	19.0
1 12	9 57.94	+10 22.0	1.805	2.656	12.9	18.8
1 22	9 50.05	+10 38.5	1.743	2.667	9.0	18.5
2 1	9 40.15	+11 5.4	1.707	2.677	4.6	18.3
2 11	9 29.24	+11 38.1	1.700	2.686	1.1	18.1
2 21	9 18.49	+12 11.8	1.723	2.694	5.0	18.4
3 2	9 9.03	+12 41.8	1.775	2.701	9.2	18.6
3 12	9 1.79	+13 4.9	1.852	2.707	13.0	18.9

334192 2001 SW_{205} 2 9.8 124.°25 1.°0/ 8.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.95	+16 37.4	3.029	3.791	10.5	22.5
1 12	9 51.25	+17 9.6	2.950	3.810	8.2	22.3
1 22	9 44.98	+17 47.3	2.897	3.828	5.5	22.2
2 1	9 37.57	+18 27.3	2.873	3.846	2.6	22.0
2 11	9 29.61	+19 5.9	2.880	3.864	1.3	21.9
2 21	9 21.78	+19 39.7	2.918	3.880	3.9	22.1
3 2	9 14.72	+20 6.3	2.987	3.897	6.6	22.3
3 12	9 8.97	+20 24.3	3.083	3.912	9.0	22.5

18512 1996 SO_{7} 2 9.8 125.°95 0.°4/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	10 0.92	+11 17.0	1.947	2.709	15.5	19.0
1 12	9 56.01	+11 37.2	1.870	2.726	12.3	18.8
1 22	9 48.65	+12 10.1	1.814	2.742	8.4	18.6
2 1	9 39.45	+12 52.0	1.785	2.758	4.1	18.3
2 11	9 29.35	+13 37.9	1.786	2.772	0.6	18.1
2 21	9 19.45	+14 22.3	1.816	2.786	4.9	18.4
3 2	9 10.81	+15 0.4	1.875	2.800	8.9	18.7
3 12	9 4.24	+15 29.2	1.959	2.812	12.5	18.9

450400 2005 SU_{172} 2 9.8 64.°55 3.°4/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.47	+ 5 35.6	1.334	2.111	20.7	21.7
1 12	9 55.14	+ 5 23.8	1.264	2.123	16.8	21.4
1 22	9 48.62	+ 5 33.9	1.212	2.135	12.2	21.2
2 1	9 39.60	+ 6 4.8	1.183	2.148	7.1	20.9
2 11	9 29.33	+ 6 51.7	1.179	2.161	3.5	20.8
2 21	9 19.29	+ 7 47.4	1.201	2.174	6.3	21.0
3 2	9 10.95	+ 8 43.7	1.248	2.187	11.1	21.3
3 12	9 5.37	+ 9 33.6	1.318	2.200	15.5	21.6

38687 2000 QT_{18} 2 9.8 58.°70 0.°8/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.08	+14 24.0	1.439	2.236	18.5	19.6
1 12	9 55.52	+14 43.1	1.367	2.244	14.6	19.4
1 22	9 48.84	+15 16.0	1.314	2.252	9.9	19.1
2 1	9 39.70	+15 57.5	1.285	2.260	4.7	18.8
2 11	9 29.32	+16 40.5	1.283	2.269	1.2	18.6
2 21	9 19.17	+17 18.0	1.307	2.277	6.4	19.0
3 2	9 10.67	+17 44.7	1.358	2.286	11.3	19.3
3 12	9 4.86	+17 57.9	1.430	2.295	15.5	19.5

117028 2004 JW_{12} 2 9.8 195.°45 0.°6/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.73	+15 14.0	2.820	3.584	11.2	20.4
1 12	9 50.56	+15 32.8	2.722	3.583	8.8	20.2
1 22	9 44.68	+15 58.4	2.649	3.581	5.9	20.1
2 1	9 37.49	+16 27.9	2.605	3.578	2.8	19.8
2 11	9 29.63	+16 57.8	2.590	3.576	0.8	19.7
2 21	9 21.79	+17 24.8	2.607	3.573	3.9	19.9
3 2	9 14.70	+17 46.1	2.653	3.570	7.0	20.1
3 12	9 8.97	+18 0.0	2.726	3.567	9.7	20.3

460448 2014 SK_{210} 2 9.8 152.°05 7.°0/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.85	+31 44.6	2.074	2.868	13.7	21.4
1 12	9 56.36	+33 17.6	2.006	2.873	11.1	21.2
1 22	9 49.14	+34 49.7	1.961	2.879	8.6	21.0
2 1	9 39.78	+36 11.7	1.944	2.884	7.1	21.0
2 11	9 29.32	+37 14.8	1.954	2.889	7.6	21.0
2 21	9 18.97	+37 53.6	1.992	2.893	9.7	21.1
3 2	9 9.98	+38 6.4	2.055	2.897	12.3	21.3
3 12	9 3.29	+37 55.3	2.140	2.900	14.8	21.5

213257 2001 EA_{23} 2 9.8 309.°51 1.°2/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.35	+ 9 36.2	1.521	2.309	18.1	20.4
1 12	9 51.92	+ 9 46.5	1.424	2.294	14.6	20.1
1 22	9 46.56	+10 15.0	1.347	2.280	10.3	19.8
2 1	9 38.74	+10 59.3	1.294	2.266	5.3	19.5
2 11	9 29.45	+11 54.3	1.266	2.252	1.2	19.2
2 21	9 20.00	+12 52.5	1.265	2.239	5.9	19.4
3 2	9 11.82	+13 46.6	1.290	2.226	11.0	19.7
3 12	9 6.07	+14 30.4	1.337	2.213	15.7	19.9

172536 2003 UM_{26} 2 9.8 101.°70 0.°5/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.96	+12 39.7	1.824	2.597	16.1	21.3
1 12	9 55.39	+13 19.2	1.755	2.619	12.6	21.2
1 22	9 48.29	+14 11.9	1.708	2.641	8.5	21.0
2 1	9 39.30	+15 12.7	1.687	2.662	4.0	20.7
2 11	9 29.42	+16 14.9	1.696	2.682	0.9	20.5
2 21	9 19.79	+17 11.9	1.734	2.702	5.3	20.9
3 2	9 11.52	+17 58.7	1.800	2.721	9.4	21.2
3 12	9 5.43	+18 32.4	1.890	2.740	13.0	21.4

248212 2005 EN_{102} 2 9.8 106.°14 6.°5/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.73	− 6 43.0	1.972	2.660	17.6	20.2
1 12	9 52.71	− 6 51.7	1.894	2.680	15.1	20.1
1 22	9 46.42	− 6 36.0	1.833	2.699	12.1	19.9
2 1	9 38.40	− 5 54.6	1.796	2.718	9.0	19.7
2 11	9 29.53	− 4 49.7	1.785	2.736	6.8	19.7
2 21	9 20.81	− 3 26.5	1.802	2.754	6.9	19.7
3 2	9 13.22	− 1 52.6	1.848	2.771	9.1	19.9
3 12	9 7.53	− 0 16.4	1.919	2.788	12.0	20.1

181193 2005 ST_{123} 2 9.8 185.°63 2.°1/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.36	+18 28.5	2.329	3.105	12.9	21.9
1 12	9 53.85	+19 12.4	2.237	3.105	10.1	21.7
1 22	9 47.17	+20 3.8	2.170	3.104	6.8	21.5
2 1	9 38.78	+20 57.6	2.130	3.103	3.5	21.2
2 11	9 29.49	+21 48.3	2.121	3.101	2.4	21.2
2 21	9 20.22	+22 30.7	2.141	3.099	5.5	21.4
3 2	9 11.92	+23 1.2	2.191	3.096	8.9	21.6
3 12	9 5.40	+23 18.4	2.266	3.093	11.9	21.8

374103 2004 RT_{291} 2 9.8 153°.02 4°.3/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 55.47	− 1 33.6	2.568	3.266	13.7	22.4
1 12	9 51.23	− 1 39.9	2.473	3.274	11.5	22.2
1 22	9 45.19	− 1 29.9	2.400	3.282	8.9	22.1
2 1	9 37.77	− 1 3.5	2.352	3.290	6.2	21.9
2 11	9 29.63	− 0 22.5	2.333	3.297	4.4	21.8
2 21	9 21.52	+ 0 29.6	2.344	3.303	4.9	21.9
3 2	9 14.22	+ 1 28.3	2.384	3.309	7.3	22.0
3 12	9 8.37	+ 2 28.6	2.452	3.314	9.9	22.2

143724 2003 UJ_{200} 2 9.8 185°.29 0°.1/ 9.9 18

1 2	9 54.78	+11 48.0	2.222	2.990	13.7	20.6
1 12	9 51.09	+12 12.5	2.129	2.990	10.8	20.4
1 22	9 45.30	+12 48.6	2.059	2.989	7.4	20.2
2 1	9 37.89	+13 33.1	2.016	2.989	3.6	19.9
2 11	9 29.61	+14 21.4	2.002	2.989	0.5	19.7
2 21	9 21.36	+15 8.7	2.018	2.988	4.4	20.0
3 2	9 14.04	+15 50.4	2.063	2.988	8.2	20.2
3 12	9 8.42	+16 23.2	2.133	2.987	11.5	20.4

25059 1998 QA_{69} 2 9.8 92°.27 4°.3/13.6 18

1 2	9 56.83	− 0 58.2	1.874	2.597	17.4	18.7
1 12	9 52.84	− 0 43.8	1.801	2.621	14.4	18.5
1 22	9 46.52	− 0 6.7	1.747	2.643	10.8	18.3
2 1	9 38.45	+ 0 52.0	1.717	2.666	7.1	18.1
2 11	9 29.55	+ 2 8.1	1.716	2.688	4.5	18.0
2 21	9 20.84	+ 3 35.0	1.743	2.709	5.5	18.1
3 2	9 13.33	+ 5 4.8	1.798	2.731	8.7	18.3
3 12	9 7.81	+ 6 30.1	1.880	2.751	12.1	18.6

442652 2012 TF_{136} 2 9.8 90°.66 2°.5/ 8.2 18

1 2	10 0.20	+16 5.0	1.363	2.166	19.0	21.1
1 12	9 56.59	+17 4.4	1.298	2.179	14.9	20.9
1 22	9 49.67	+18 18.9	1.252	2.193	10.0	20.6
2 1	9 40.14	+19 40.2	1.231	2.206	4.9	20.4
2 11	9 29.32	+20 57.7	1.237	2.219	3.0	20.3
2 21	9 18.78	+22 1.9	1.269	2.232	7.6	20.6
3 2	9 10.04	+22 46.7	1.327	2.245	12.4	20.9
3 12	9 4.18	+23 10.4	1.406	2.258	16.5	21.2

202573 2006 FY_{13} 2 9.8 181°.28 0°.4/ 9.5 18 R

1 2	9 55.18	+13 35.0	2.199	2.972	13.6	21.0
1 12	9 51.44	+14 2.5	2.108	2.972	10.7	20.8
1 22	9 45.56	+14 40.4	2.040	2.972	7.3	20.5
2 1	9 38.02	+15 25.4	1.998	2.972	3.5	20.3
2 11	9 29.60	+16 12.3	1.986	2.972	0.8	20.1
2 21	9 21.22	+16 56.3	2.004	2.972	4.7	20.4
3 2	9 13.80	+17 33.2	2.050	2.972	8.4	20.6
3 12	9 8.12	+18 0.0	2.121	2.971	11.7	20.8

373020 2011 DA_{36} 2 9.8 79°.18 1°.4/10.9 18

1 2	9 54.08	+ 7 51.5	1.998	2.761	15.2	21.0
1 12	9 50.78	+ 8 13.9	1.907	2.762	12.2	20.8
1 22	9 45.22	+ 8 52.1	1.838	2.762	8.6	20.6
2 1	9 37.89	+ 9 43.6	1.794	2.763	4.6	20.4
2 11	9 29.62	+10 43.8	1.779	2.764	1.4	20.1
2 21	9 21.36	+11 46.8	1.792	2.765	4.6	20.4
3 2	9 14.12	+12 46.6	1.834	2.766	8.6	20.6
3 12	9 8.71	+13 38.3	1.902	2.767	12.2	20.8

412107 2013 GD_{9} 2 9.8 211°.59 0°.7/ 9.3 17

1 2	9 59.60	+14 22.2	2.052	2.823	14.6	22.4
1 12	9 55.17	+14 49.5	1.954	2.817	11.5	22.2
1 22	9 48.27	+15 27.8	1.877	2.810	7.9	22.0
2 1	9 39.40	+16 13.1	1.828	2.802	3.7	21.7
2 11	9 29.42	+16 59.9	1.808	2.794	1.1	21.5
2 21	9 19.39	+17 42.6	1.818	2.785	5.2	21.8
3 2	9 10.42	+18 16.6	1.856	2.775	9.4	22.0
3 12	9 3.44	+18 39.4	1.919	2.765	13.0	22.2

362078 2009 BD_{111} 2 9.8 264°.97 0°.7/ 9.3 16

1 2	9 56.86	+13 1.4	1.758	2.541	16.2	22.1
1 12	9 53.58	+13 38.3	1.654	2.524	12.9	21.9
1 22	9 47.54	+14 30.6	1.573	2.508	8.9	21.6
2 1	9 39.19	+15 34.3	1.516	2.491	4.2	21.3
2 11	9 29.45	+16 42.6	1.488	2.474	1.1	21.0
2 21	9 19.50	+17 47.8	1.488	2.456	5.9	21.3
3 2	9 10.67	+18 43.0	1.515	2.439	10.7	21.5
3 12	9 4.06	+19 23.9	1.565	2.421	14.9	21.7

240084 2002 AT_{185} 2 9.8 61°.97 4°.6/ 6.9 18

1 2	10 0.02	+21 19.8	1.364	2.177	18.5	20.3
1 12	9 56.48	+22 26.8	1.305	2.192	14.4	20.1
1 22	9 49.57	+23 42.6	1.267	2.208	9.9	19.9
2 1	9 40.08	+24 57.3	1.253	2.224	5.7	19.7
2 11	9 29.37	+26 0.2	1.265	2.241	5.1	19.7
2 21	9 19.04	+26 43.1	1.304	2.257	8.8	19.9
3 2	9 10.62	+27 2.6	1.367	2.274	13.0	20.2
3 12	9 5.12	+26 59.5	1.451	2.290	16.8	20.5

29640 1998 VQ_{22} 2 9.8 137°.54 0°.9/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 59.10	+ 9 54.7	2.154	2.908	14.5	19.9
1 12	9 54.41	+10 8.7	2.070	2.920	11.5	19.7
1 22	9 47.51	+10 34.9	2.008	2.932	8.0	19.5
2 1	9 38.93	+11 10.7	1.973	2.943	4.1	19.3
2 11	9 29.52	+11 52.0	1.968	2.954	1.0	19.1
2 21	9 20.23	+12 33.8	1.993	2.964	4.4	19.3
3 2	9 12.01	+13 12.0	2.047	2.973	8.2	19.6
3 12	9 5.64	+13 43.0	2.127	2.982	11.5	19.8

157270 2004 RP_{217} 2 9.8 142°.62 2°.0/11.3 18

1 2	9 58.63	+ 8 9.7	2.283	3.027	14.0	20.4
1 12	9 53.92	+ 7 57.6	2.192	3.035	11.3	20.2
1 22	9 47.13	+ 7 56.8	2.124	3.042	8.0	20.0
2 1	9 38.74	+ 8 6.1	2.083	3.048	4.5	19.8
2 11	9 29.55	+ 8 22.9	2.072	3.054	2.0	19.6
2 21	9 20.45	+ 8 43.8	2.090	3.060	4.3	19.8
3 2	9 12.32	+ 9 5.4	2.138	3.066	7.8	20.0
3 12	9 5.92	+ 9 24.4	2.212	3.071	11.0	20.2

110504 2001 TJ_{71} 2 9.8 85°.83 0°.5/10.2 18

1 2	9 56.64	+11 8.6	1.840	2.614	15.9	20.3
1 12	9 52.93	+11 27.7	1.758	2.622	12.6	20.1
1 22	9 46.74	+12 0.6	1.698	2.629	8.7	19.8
2 1	9 38.64	+12 43.8	1.664	2.637	4.3	19.6
2 11	9 29.57	+13 32.0	1.658	2.644	0.6	19.3
2 21	9 20.61	+14 19.5	1.680	2.651	5.0	19.7
3 2	9 12.86	+15 0.9	1.730	2.659	9.2	19.9
3 12	9 7.18	+15 32.7	1.805	2.666	13.0	20.2

178104 2006 SJ_{281} 2 9.8 90°.20 8°.1/31.1 18

1 2	10 4.32	+44 11.8	2.879	3.637	11.1	20.9
1 12	9 58.45	+45 46.6	2.847	3.669	9.6	20.8
1 22	9 50.20	+47 11.3	2.840	3.700	8.5	20.8
2 1	9 40.18	+48 18.5	2.860	3.731	8.1	20.8
2 11	9 29.38	+49 3.0	2.908	3.761	8.6	20.9
2 21	9 18.87	+49 22.6	2.981	3.791	9.7	21.0
3 2	9 9.68	+49 18.1	3.077	3.820	11.0	21.1
3 12	9 2.58	+48 52.9	3.194	3.848	12.2	21.3

341305 2007 RL_{324} 2 9.8 268°.03 4°.6/ 5.6 18

1 2	9 56.68	+27 6.2	2.349	3.141	12.3	21.0
1 12	9 52.66	+28 1.3	2.265	3.138	9.7	20.8
1 22	9 46.42	+28 58.0	2.206	3.135	7.0	20.6
2 1	9 38.46	+29 50.1	2.173	3.132	4.9	20.5
2 11	9 29.60	+30 31.3	2.170	3.129	5.1	20.5
2 21	9 20.80	+30 57.1	2.195	3.126	7.3	20.6
3 2	9 13.04	+31 5.4	2.247	3.123	10.0	20.8
3 12	9 7.11	+30 56.5	2.322	3.120	12.6	20.9

488874 2005 SG_{138} 2 9.8 169°.68 5°.8/14.9 18

1 2	9 56.94	− 5 14.4	2.513	3.188	14.5	22.1
1 12	9 52.49	− 5 41.1	2.414	3.193	12.4	22.0
1 22	9 46.12	− 5 50.3	2.336	3.197	10.0	21.8
2 1	9 38.27	− 5 40.6	2.282	3.200	7.6	21.7
2 11	9 29.63	− 5 12.7	2.256	3.203	5.9	21.6
2 21	9 20.97	− 4 29.0	2.259	3.205	6.2	21.6
3 2	9 13.13	− 3 34.0	2.291	3.206	8.1	21.7
3 12	9 6.79	− 2 33.2	2.349	3.206	10.5	21.9

343041 2009 BK_{153} 2 9.8 251°.53 0°.2/ 9.9 17

1 2	9 56.64	+13 26.5	2.345	3.111	13.1	21.0
1 12	9 52.41	+13 26.5	2.251	3.110	10.4	20.8
1 22	9 46.13	+13 34.8	2.179	3.109	7.1	20.6
2 1	9 38.29	+13 48.8	2.135	3.108	3.5	20.3
2 11	9 29.63	+14 5.4	2.120	3.107	0.4	20.1
2 21	9 21.03	+14 21.0	2.136	3.106	4.2	20.4
3 2	9 13.35	+14 32.7	2.180	3.105	7.8	20.6
3 12	9 7.34	+14 38.4	2.250	3.104	11.0	20.8

444215 2005 TM_{83} 2 9.8 85°.47 1°.6/ 8.9 18

1 2	10 3.97	+16 28.8	1.426	2.219	18.8	21.6
1 12	9 59.24	+16 52.7	1.364	2.240	14.7	21.3
1 22	9 51.26	+17 27.9	1.322	2.260	9.9	21.1
2 1	9 40.83	+18 8.1	1.304	2.279	4.7	20.9
2 11	9 29.30	+18 45.6	1.314	2.299	2.0	20.7
2 21	9 18.22	+19 14.0	1.351	2.318	6.7	21.1
3 2	9 9.01	+19 29.1	1.415	2.337	11.4	21.4
3 12	9 2.66	+19 30.1	1.501	2.356	15.5	21.7

255764 2006 RW_{49} 2 9.8 103°.34 2°.0/11.3 18

1 2	9 57.14	+ 6 50.0	1.842	2.600	16.4	21.7
1 12	9 53.26	+ 7 1.8	1.762	2.612	13.2	21.5
1 22	9 46.93	+ 7 30.3	1.702	2.624	9.4	21.3
2 1	9 38.73	+ 8 13.5	1.668	2.635	5.2	21.0
2 11	9 29.57	+ 9 6.5	1.662	2.646	2.0	20.9
2 21	9 20.55	+10 3.6	1.685	2.657	4.9	21.1
3 2	9 12.74	+10 58.6	1.736	2.668	9.0	21.3
3 12	9 6.98	+11 46.6	1.812	2.679	12.6	21.6

165237 2000 SQ_{115} 2 9.8 169°.01 4°.1/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	10 2.70	+23 1.0	1.848	2.637	15.2	20.8
1 12	9 57.89	+23 50.4	1.767	2.641	12.0	20.6
1 22	9 50.24	+24 45.1	1.709	2.644	8.3	20.4
2 1	9 40.37	+25 37.8	1.678	2.646	4.9	20.2
2 11	9 29.35	+26 20.8	1.675	2.648	4.5	20.1
2 21	9 18.47	+26 48.0	1.701	2.649	7.5	20.3
3 2	9 9.01	+26 56.7	1.754	2.650	11.2	20.5
3 12	9 1.96	+26 47.3	1.830	2.650	14.6	20.7

206351 2003 QC_{28} 2 9.8 204°.90 0°.3/ 9.6 18

1 2	9 58.39	+12 20.1	1.983	2.752	15.1	21.3
1 12	9 54.30	+12 56.1	1.886	2.748	11.9	21.1
1 22	9 47.74	+13 45.8	1.812	2.743	8.2	20.9
2 1	9 39.18	+14 45.2	1.764	2.738	3.9	20.6
2 11	9 29.50	+15 48.4	1.745	2.731	0.7	20.3
2 21	9 19.77	+16 48.8	1.756	2.725	5.2	20.6
3 2	9 11.10	+17 40.8	1.795	2.717	9.4	20.9
3 12	9 4.43	+18 20.7	1.860	2.709	13.2	21.1

469100 2015 CO_{42} 2 9.8 324°.29 2°.9/12.4 18

1 2	9 51.84	+ 3 12.3	2.139	2.882	14.9	21.0
1 12	9 48.91	+ 3 27.3	2.041	2.879	12.2	20.8
1 22	9 43.91	+ 4 0.1	1.964	2.875	9.0	20.6
2 1	9 37.28	+ 4 49.8	1.912	2.871	5.5	20.3
2 11	9 29.76	+ 5 52.8	1.888	2.868	2.9	20.2
2 21	9 22.21	+ 7 3.8	1.893	2.865	4.6	20.3
3 2	9 15.53	+ 8 16.6	1.927	2.861	8.1	20.5
3 12	9 10.51	+ 9 25.3	1.987	2.858	11.5	20.7

148852 2001 VL_{31} 2 9.8 75°.97 1°.3/ 8.9 18

1 2	9 56.70	+15 19.2	1.826	2.613	15.5	20.1
1 12	9 53.04	+15 55.4	1.747	2.620	12.2	19.9
1 22	9 46.86	+16 42.7	1.691	2.627	8.2	19.7
2 1	9 38.72	+17 36.3	1.660	2.635	3.9	19.5
2 11	9 29.58	+18 29.7	1.657	2.642	1.6	19.3
2 21	9 20.57	+19 16.4	1.683	2.649	5.7	19.6
3 2	9 12.82	+19 52.0	1.736	2.656	9.8	19.9
3 12	9 7.18	+20 13.8	1.813	2.664	13.4	20.1

324484 2006 UO_{136} 2 9.8 54°.98 0°.0/ 9.7 18

1 2	9 59.43	+13 8.3	1.523	2.312	18.0	20.8
1 12	9 55.43	+13 17.1	1.460	2.332	14.2	20.6
1 22	9 48.54	+13 38.9	1.417	2.352	9.6	20.3
2 1	9 39.50	+14 9.7	1.399	2.373	4.6	20.1
2 11	9 29.49	+14 43.4	1.407	2.394	0.6	19.8
2 21	9 19.85	+15 14.2	1.444	2.415	5.7	20.3
3 2	9 11.83	+15 37.3	1.506	2.436	10.2	20.6
3 12	9 6.31	+15 50.1	1.592	2.458	14.2	20.9

159891 2004 TD_{59} 2 9.8 81°.28 0°.0/ 9.8 18

1 2	9 56.12	+12 34.5	1.963	2.738	15.0	20.7
1 12	9 52.37	+12 56.9	1.881	2.746	11.8	20.5
1 22	9 46.29	+13 31.3	1.821	2.753	8.1	20.3
2 1	9 38.41	+14 14.1	1.787	2.760	3.9	20.0
2 11	9 29.62	+14 59.9	1.781	2.768	0.5	19.8
2 21	9 20.95	+15 43.5	1.805	2.775	4.9	20.1
3 2	9 13.41	+16 20.1	1.857	2.783	8.9	20.4
3 12	9 7.81	+16 46.7	1.933	2.790	12.4	20.6

268467 2005 WV_{195} 2 9.8 321°.48 0°.7/ 9.3 18

1 2	9 54.57	+13 32.0	1.936	2.718	14.9	20.7
1 12	9 51.32	+14 7.8	1.846	2.715	11.8	20.5
1 22	9 45.69	+14 56.1	1.778	2.713	8.0	20.3
2 1	9 38.18	+15 53.0	1.736	2.711	3.8	20.0
2 11	9 29.65	+16 52.3	1.723	2.708	1.0	19.8
2 21	9 21.12	+17 47.7	1.738	2.706	5.3	20.1
3 2	9 13.67	+18 33.9	1.781	2.704	9.4	20.3
3 12	9 8.18	+19 7.6	1.848	2.702	13.0	20.6

218653 2005 SB_{134} 2 9.8 198°.26 3°.7/12.6 18

1 2	9 58.42	+ 2 47.0	2.391	3.110	14.1	21.2
1 12	9 53.79	+ 2 24.6	2.287	3.107	11.7	21.0
1 22	9 47.09	+ 2 15.9	2.205	3.103	8.8	20.8
2 1	9 38.78	+ 2 21.0	2.149	3.099	5.8	20.6
2 11	9 29.57	+ 2 38.4	2.122	3.094	3.7	20.4
2 21	9 20.32	+ 3 5.4	2.125	3.089	4.9	20.5
3 2	9 11.93	+ 3 38.1	2.157	3.083	7.9	20.7
3 12	9 5.14	+ 4 12.3	2.216	3.076	10.9	20.9

194328 2001 UG_{130} 2 9.8 1°.23 1°.4/10.6 18

1 2	9 54.12	+ 9 21.0	1.239	2.042	20.5	20.2
1 12	9 52.19	+ 9 29.3	1.162	2.041	16.5	20.0
1 22	9 46.95	+ 9 58.8	1.103	2.040	11.6	19.7
2 1	9 38.99	+10 46.6	1.067	2.040	6.0	19.4
2 11	9 29.54	+11 46.2	1.054	2.040	1.4	19.1
2 21	9 20.16	+12 48.4	1.067	2.042	6.4	19.4
3 2	9 12.43	+13 44.7	1.104	2.044	12.0	19.7
3 12	9 7.57	+14 28.5	1.162	2.047	16.8	20.0

464047 2014 WC_{210} 2 9.8 183°.94 1°.4/ 8.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 57.65	+16 8.8	2.006	2.787	14.5	22.3
1 12	9 53.65	+16 42.3	1.918	2.787	11.4	22.0
1 22	9 47.23	+17 25.5	1.852	2.787	7.7	21.8
2 1	9 38.91	+18 14.0	1.812	2.787	3.7	21.6
2 11	9 29.58	+19 1.7	1.802	2.786	1.7	21.4
2 21	9 20.31	+19 43.0	1.821	2.786	5.5	21.7
3 2	9 12.15	+20 13.7	1.868	2.785	9.5	21.9
3 12	9 5.97	+20 31.6	1.939	2.783	12.9	22.1

233590 2007 RX_{81} 2 9.8 155°.19 0°.1/ 9.9 17

1 2	9 54.80	+12 6.2	2.341	3.106	13.1	21.1
1 12	9 50.99	+12 29.5	2.249	3.109	10.4	20.9
1 22	9 45.19	+13 3.3	2.181	3.111	7.1	20.7
2 1	9 37.86	+13 44.7	2.140	3.113	3.4	20.5
2 11	9 29.74	+14 29.4	2.128	3.115	0.4	20.2
2 21	9 21.65	+15 12.8	2.146	3.116	4.2	20.5
3 2	9 14.45	+15 50.9	2.194	3.118	7.8	20.7
3 12	9 8.87	+16 20.7	2.267	3.119	11.0	20.9

210103 2006 QR_{120} 2 9.9 143°.22 2°.4/11.9 17

1 2	9 55.28	+ 6 5.6	2.504	3.242	13.1	20.6
1 12	9 51.17	+ 5 54.2	2.409	3.245	10.6	20.4
1 22	9 45.22	+ 5 54.5	2.336	3.248	7.7	20.3
2 1	9 37.85	+ 6 5.6	2.290	3.251	4.6	20.1
2 11	9 29.75	+ 6 25.4	2.274	3.254	2.4	19.9
2 21	9 21.68	+ 6 50.9	2.287	3.256	4.1	20.0
3 2	9 14.44	+ 7 18.5	2.330	3.259	7.2	20.2
3 12	9 8.69	+ 7 44.9	2.399	3.261	10.1	20.4

183894 2004 CV_{76} 2 9.9 42°.02 1°.2/10.7 18

1 2	9 54.57	+ 8 19.2	1.419	2.208	19.1	20.7
1 12	9 51.93	+ 8 47.4	1.352	2.221	15.2	20.4
1 22	9 46.37	+ 9 36.4	1.303	2.236	10.6	20.2
2 1	9 38.56	+10 42.0	1.279	2.251	5.4	19.9
2 11	9 29.65	+11 56.9	1.280	2.266	1.2	19.7
2 21	9 20.97	+13 12.2	1.308	2.282	5.7	20.0
3 2	9 13.81	+14 19.7	1.363	2.299	10.6	20.3
3 12	9 9.15	+15 13.7	1.440	2.316	14.8	20.6

1954 Kukarkin 2 9.9 136°.54 3°.9/13.6 18 R

1 2	9 56.84	− 0 30.3	2.968	3.659	12.2	17.2
1 12	9 51.99	− 0 50.6	2.877	3.674	10.2	17.1
1 22	9 45.56	− 0 58.1	2.809	3.689	7.8	16.9
2 1	9 37.94	− 0 52.6	2.767	3.703	5.5	16.8
2 11	9 29.75	− 0 35.2	2.755	3.717	3.9	16.7
2 21	9 21.62	− 0 8.4	2.773	3.729	4.5	16.8
3 2	9 14.23	+ 0 24.8	2.822	3.742	6.5	16.9
3 12	9 8.12	+ 1 0.6	2.898	3.753	8.8	17.1

199228 2006 AN_{52} 2 9.9 359°.26 2°.3/11.0 18

1 2	9 52.23	+ 9 6.3	1.095	1.910	21.9	19.8
1 12	9 51.08	+ 8 51.3	1.022	1.906	17.7	19.5
1 22	9 46.41	+ 8 57.6	0.966	1.904	12.6	19.2
2 1	9 38.81	+ 9 23.8	0.931	1.903	6.8	18.9
2 11	9 29.61	+10 4.4	0.918	1.903	2.3	18.6
2 21	9 20.49	+10 51.4	0.929	1.905	6.8	18.8
3 2	9 13.19	+11 36.1	0.962	1.908	12.6	19.2
3 12	9 8.97	+12 11.3	1.016	1.913	17.7	19.5

387428 2013 VD_{21} 2 9.9 69°.40 1°.2/10.9 18

1 2	9 54.00	+ 7 26.9	2.112	2.869	14.6	20.7
1 12	9 50.44	+ 8 1.6	2.038	2.889	11.6	20.6
1 22	9 44.82	+ 8 51.5	1.986	2.909	8.1	20.4
2 1	9 37.67	+ 9 53.4	1.960	2.929	4.3	20.2
2 11	9 29.78	+11 2.2	1.964	2.949	1.2	20.0
2 21	9 22.06	+12 12.0	1.997	2.969	4.2	20.2
3 2	9 15.36	+13 17.0	2.059	2.989	7.9	20.5
3 12	9 10.38	+14 13.0	2.147	3.009	11.2	20.7

336002 2007 TZ_{368} 2 9.9 108°.52 3°.2/ 6.4 18

1 2	9 56.36	+22 24.4	2.691	3.471	11.3	21.5
1 12	9 51.93	+23 33.1	2.623	3.492	8.7	21.4
1 22	9 45.66	+24 45.5	2.580	3.513	6.0	21.3
2 1	9 38.03	+25 56.2	2.566	3.533	3.6	21.1
2 11	9 29.74	+26 59.6	2.583	3.553	3.5	21.2
2 21	9 21.58	+27 51.2	2.631	3.572	5.7	21.3
3 2	9 14.32	+28 28.4	2.707	3.591	8.3	21.5
3 12	9 8.59	+28 50.5	2.809	3.609	10.6	21.7

442037 2010 PR_{66} 2 9.9 331°.64 9°.6/10.7 15 CR

1 2	10 6.51	+ 1 45.9	1.561	2.293	20.0	23.1
1 12	10 3.16	+ 0 3.7	1.385	2.208	17.7	22.7
1 22	9 55.94	− 1 37.5	1.228	2.122	14.7	22.2
2 1	9 44.40	− 3 13.9	1.094	2.034	11.3	21.7
2 11	9 28.70	− 4 40.5	0.984	1.944	9.6	21.3
2 21	9 9.76	− 5 51.0	0.902	1.852	12.1	21.1
3 2	8 49.54	− 6 40.5	0.846	1.759	18.1	21.1
3 12	8 30.60	− 7 9.1	0.812	1.665	25.3	21.1

174505 2003 BU_{55} 2 9.9 249°.32 0°.1/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 57.11	+13 52.4	2.922	3.675	11.1	20.1
1 12	9 52.46	+13 53.0	2.806	3.658	8.8	20.0
1 22	9 46.05	+14 0.0	2.714	3.641	6.0	19.7
2 1	9 38.26	+14 11.3	2.651	3.623	2.9	19.5
2 11	9 29.70	+14 24.2	2.619	3.605	0.4	19.3
2 21	9 21.07	+14 36.2	2.618	3.587	3.7	19.5
3 2	9 13.12	+14 44.8	2.647	3.568	6.8	19.7
3 12	9 6.49	+14 48.1	2.704	3.548	9.7	19.8

268121 2004 TZ_{31} 2 9.9 132°.98 0°.3/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.23	+12 12.2	2.121	2.888	14.3	21.4
1 12	9 53.08	+12 23.2	2.033	2.893	11.3	21.2
1 22	9 46.70	+12 45.0	1.968	2.897	7.8	21.0
2 1	9 38.62	+13 14.6	1.929	2.902	3.8	20.8
2 11	9 29.66	+13 47.9	1.920	2.906	0.5	20.5
2 21	9 20.79	+14 20.2	1.940	2.911	4.5	20.9
3 2	9 12.96	+14 47.8	1.988	2.915	8.4	21.1
3 12	9 6.97	+15 7.7	2.062	2.918	11.8	21.3

354956 2006 FE_{45} 2 9.9 276°.33 0°.6/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.00	+10 44.6	1.633	2.414	17.3	21.4
1 12	9 53.92	+11 2.3	1.529	2.396	13.9	21.1
1 22	9 47.94	+11 36.9	1.446	2.378	9.8	20.8
2 1	9 39.50	+12 25.5	1.387	2.360	4.9	20.5
2 11	9 29.53	+13 22.7	1.355	2.341	0.7	20.1
2 21	9 19.32	+14 21.1	1.350	2.322	5.8	20.4
3 2	9 10.28	+15 13.7	1.372	2.304	10.9	20.7
3 12	9 3.60	+15 55.0	1.418	2.285	15.5	20.9

432864 2011 HD_{88} 2 9.9 343°.17 3°.1/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.63	+ 2 26.1	1.962	2.709	16.0	21.3
1 12	9 48.96	+ 2 47.2	1.867	2.706	13.1	21.1
1 22	9 44.08	+ 3 28.7	1.792	2.703	9.7	20.9
2 1	9 37.44	+ 4 29.6	1.742	2.701	6.0	20.6
2 11	9 29.82	+ 5 45.7	1.719	2.698	3.2	20.4
2 21	9 22.18	+ 7 10.8	1.725	2.697	4.9	20.6
3 2	9 15.50	+ 8 37.4	1.759	2.695	8.6	20.8
3 12	9 10.60	+ 9 58.6	1.819	2.694	12.2	21.0

119681 2001 XY_{107} 2 9.9 351°.91 5°.8/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.90	+ 1 57.9	1.671	2.417	18.3	19.1
1 12	9 53.49	+ 1 0.8	1.581	2.415	15.3	18.9
1 22	9 47.39	+ 0 20.7	1.510	2.412	11.8	18.6
2 1	9 39.10	− 0 0.2	1.462	2.410	8.2	18.4
2 11	9 29.61	− 0 1.9	1.440	2.409	5.9	18.3
2 21	9 20.10	+ 0 13.0	1.445	2.408	7.0	18.3
3 2	9 11.82	+ 0 39.8	1.476	2.407	10.3	18.5
3 12	9 5.77	+ 1 12.2	1.530	2.407	14.0	18.7

519923 2013 RZ_{104} 2 9.9 146°.66 0°.8/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.95	+15 56.3	2.517	3.280	12.4	22.2
1 12	9 54.01	+16 15.1	2.430	3.290	9.7	22.0
1 22	9 47.12	+16 40.7	2.368	3.299	6.5	21.9
2 1	9 38.76	+17 9.7	2.334	3.308	3.1	21.7
2 11	9 29.67	+17 38.1	2.331	3.316	1.1	21.5
2 21	9 20.70	+18 2.3	2.358	3.324	4.3	21.8
3 2	9 12.68	+18 19.5	2.415	3.331	7.7	22.0
3 12	9 6.27	+18 28.0	2.499	3.338	10.6	22.2

471460 2011 UH_{207} 2 9.9 253°.46 5°.2/15.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.78	− 5 11.8	2.926	3.600	12.7	22.2
1 12	9 49.12	− 5 33.3	2.806	3.583	10.9	22.0
1 22	9 43.82	− 5 39.5	2.707	3.566	8.8	21.8
2 1	9 37.22	− 5 29.4	2.632	3.549	6.8	21.7
2 11	9 29.87	− 5 3.1	2.585	3.531	5.3	21.5
2 21	9 22.40	− 4 22.7	2.567	3.513	5.5	21.5
3 2	9 15.49	− 3 31.6	2.579	3.494	7.2	21.6
3 12	9 9.79	− 2 34.3	2.617	3.476	9.5	21.7

337568 2001 SC_{296} 2 9.9 81°.36 1°.0/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.94	+16 54.0	2.297	3.070	13.1	20.8
1 12	9 53.37	+17 5.9	2.219	3.084	10.2	20.6
1 22	9 46.75	+17 24.2	2.164	3.097	6.9	20.4
2 1	9 38.59	+17 45.4	2.137	3.111	3.3	20.2
2 11	9 29.72	+18 5.3	2.139	3.124	1.3	20.1
2 21	9 21.03	+18 20.5	2.172	3.138	4.6	20.4
3 2	9 13.40	+18 28.3	2.233	3.151	8.1	20.6
3 12	9 7.52	+18 27.5	2.320	3.164	11.1	20.8

58506 1996 VJ_{22} 2 9.9 48°.86 11°.3/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 11.34	+44 20.8	1.820	2.596	16.0	19.1
1 12	10 5.40	+45 35.1	1.764	2.600	13.9	19.0
1 22	9 55.67	+46 36.4	1.728	2.604	12.2	18.9
2 1	9 43.04	+47 13.1	1.716	2.608	11.4	18.9
2 11	9 29.15	+47 16.4	1.729	2.613	11.9	18.9
2 21	9 15.91	+46 43.5	1.765	2.617	13.4	19.0
3 2	9 5.00	+45 37.3	1.824	2.622	15.5	19.1
3 12	8 57.49	+44 5.1	1.903	2.627	17.5	19.3

238413 2004 EM_{112} 2 9.9 238°.33 0°.8/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 53.21	+14 4.4	2.696	3.463	11.6	20.8
1 12	9 49.62	+14 51.9	2.590	3.452	9.1	20.6
1 22	9 44.24	+15 49.1	2.509	3.442	6.1	20.4
2 1	9 37.45	+16 52.7	2.456	3.431	2.9	20.1
2 11	9 29.86	+17 57.8	2.434	3.419	1.1	20.0
2 21	9 22.20	+18 59.6	2.443	3.408	4.3	20.2
3 2	9 15.23	+19 53.7	2.481	3.396	7.5	20.4
3 12	9 9.63	+20 37.3	2.546	3.384	10.4	20.5

20801 2000 SC_{179} 2 9.9 285°.65 7°.8/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 2.64	+33 38.4	1.919	2.714	14.6	18.0
1 12	9 58.27	+34 43.2	1.831	2.698	12.0	17.8
1 22	9 50.80	+35 46.0	1.765	2.681	9.5	17.6
2 1	9 40.81	+36 37.2	1.725	2.665	7.9	17.5
2 11	9 29.42	+37 7.8	1.711	2.648	8.3	17.5
2 21	9 18.04	+37 12.3	1.724	2.632	10.5	17.6
3 2	9 8.14	+36 49.4	1.762	2.616	13.5	17.7
3 12	9 0.84	+36 2.1	1.821	2.599	16.3	17.9

503725 2016 JB_{37} 2 9.9 178°.83 3°.5/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.99	+ 2 14.1	2.525	3.245	13.4	21.2
1 12	9 50.98	+ 1 59.8	2.425	3.246	11.1	21.1
1 22	9 45.13	+ 1 59.2	2.348	3.246	8.4	20.9
2 1	9 37.85	+ 2 12.4	2.297	3.246	5.5	20.7
2 11	9 29.82	+ 2 37.4	2.274	3.246	3.6	20.6
2 21	9 21.79	+ 3 11.5	2.281	3.246	4.6	20.6
3 2	9 14.54	+ 3 50.7	2.318	3.246	7.3	20.8
3 12	9 8.75	+ 4 30.8	2.381	3.245	10.1	21.0

19819 2000 SQ_{152} 2 9.9 162°.90 1°.2/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.88	+17 18.9	2.813	3.583	11.1	19.6
1 12	9 50.72	+17 47.3	2.723	3.587	8.6	19.4
1 22	9 44.85	+18 21.6	2.657	3.590	5.8	19.3
2 1	9 37.68	+18 58.4	2.619	3.592	2.8	19.1
2 11	9 29.85	+19 33.8	2.611	3.595	1.5	19.0
2 21	9 22.07	+20 4.2	2.635	3.597	4.2	19.2
3 2	9 15.06	+20 27.0	2.688	3.599	7.2	19.4
3 12	9 9.44	+20 40.6	2.767	3.601	9.8	19.5

68679 2002 CP_{134} 2 9.9 193°.81 1°.7/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.45	+19 13.9	2.875	3.641	10.9	20.0
1 12	9 53.50	+19 43.5	2.777	3.638	8.6	19.8
1 22	9 46.75	+20 17.8	2.703	3.635	5.8	19.6
2 1	9 38.61	+20 53.3	2.658	3.631	2.9	19.4
2 11	9 29.73	+21 25.7	2.645	3.626	2.0	19.3
2 21	9 20.86	+21 51.7	2.663	3.620	4.5	19.5
3 2	9 12.78	+22 8.7	2.710	3.614	7.4	19.7
3 12	9 6.13	+22 15.6	2.785	3.608	10.1	19.9

456040 2005 YU_{176} 2 9.9 79°.02 3°.6/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.29	+20 2.9	1.941	2.737	14.4	21.2
1 12	9 51.98	+21 21.3	1.862	2.741	11.2	21.0
1 22	9 46.21	+22 49.0	1.806	2.744	7.6	20.8
2 1	9 38.49	+24 18.6	1.777	2.747	4.4	20.6
2 11	9 29.73	+25 41.6	1.777	2.751	4.1	20.6
2 21	9 21.02	+26 50.6	1.805	2.754	7.1	20.8
3 2	9 13.45	+27 40.8	1.861	2.758	10.7	21.0
3 12	9 7.92	+28 10.8	1.940	2.761	13.9	21.2

154337 2002 VV_{121} 2 9.9 127°.66 6°.3/ 5.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 5.17	+30 34.2	1.939	2.728	14.7	20.0
1 12	9 59.75	+31 29.5	1.870	2.738	11.7	19.9
1 22	9 51.44	+32 23.0	1.824	2.747	8.8	19.7
2 1	9 40.95	+33 6.4	1.805	2.756	6.6	19.6
2 11	9 29.44	+33 31.9	1.814	2.765	6.7	19.6
2 21	9 18.24	+33 35.5	1.850	2.773	9.0	19.8
3 2	9 8.63	+33 16.5	1.913	2.781	11.9	20.0
3 12	9 1.54	+32 37.8	1.998	2.788	14.7	20.2

211509 2003 QD_{33} 2 9.9 169°.17 0°.9/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.63	+10 12.8	2.215	2.965	14.2	21.4
1 12	9 55.65	+10 24.0	2.122	2.971	11.4	21.2
1 22	9 48.44	+10 46.9	2.052	2.975	7.9	21.0
2 1	9 39.49	+11 19.1	2.009	2.979	4.1	20.8
2 11	9 29.62	+11 56.5	1.996	2.982	0.9	20.5
2 21	9 19.81	+12 34.7	2.013	2.984	4.4	20.8
3 2	9 11.02	+13 9.4	2.060	2.985	8.2	21.0
3 12	9 4.06	+13 37.4	2.134	2.986	11.6	21.2

414900 2010 XV_{38} 2 9.9 96°.06 1°.9/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.04	+ 6 41.4	2.033	2.779	15.5	21.7
1 12	9 54.38	+ 6 54.8	1.961	2.805	12.4	21.5
1 22	9 47.49	+ 7 23.4	1.912	2.830	8.8	21.4
2 1	9 38.97	+ 8 4.6	1.889	2.854	4.9	21.2
2 11	9 29.70	+ 8 54.1	1.895	2.878	1.9	21.0
2 21	9 20.67	+ 9 46.7	1.931	2.902	4.5	21.2
3 2	9 12.81	+10 37.1	1.995	2.925	8.2	21.5
3 12	9 6.85	+11 21.1	2.086	2.947	11.5	21.7

208966 2002 XX_{63} 2 9.9 245°.12 11°.7/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	10 5.20	− 4 6.8	1.313	2.038	23.4	19.9
1 12	10 1.05	− 6 16.7	1.226	2.033	20.5	19.7
1 22	9 53.23	− 8 7.8	1.156	2.028	17.1	19.5
2 1	9 42.22	− 9 31.6	1.106	2.023	13.8	19.2
2 11	9 29.24	−10 21.3	1.079	2.018	11.8	19.1
2 21	9 15.99	−10 34.8	1.076	2.012	12.4	19.1
3 2	9 4.34	−10 15.9	1.096	2.006	15.2	19.3
3 12	8 55.80	− 9 34.5	1.137	2.001	18.7	19.4

32581 2001 QW_{98} 2 9.9 214°.30 2°.3/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.29	+ 5 20.8	2.056	2.795	15.5	19.8
1 12	9 54.98	+ 5 37.7	1.948	2.786	12.7	19.6
1 22	9 48.25	+ 6 12.0	1.862	2.776	9.2	19.4
2 1	9 39.52	+ 7 2.4	1.802	2.765	5.3	19.1
2 11	9 29.62	+ 8 4.8	1.771	2.754	2.3	18.9
2 21	9 19.57	+ 9 13.7	1.770	2.741	4.9	19.0
3 2	9 10.46	+10 22.5	1.798	2.727	8.9	19.3
3 12	9 3.25	+11 25.4	1.852	2.712	12.7	19.5

112548 2002 PL_{42} 2 9.9 121°.64 2°.7/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 5.51	+18 59.7	1.724	2.506	16.5	20.6
1 12	10 0.03	+19 44.3	1.657	2.526	12.9	20.4
1 22	9 51.64	+20 37.2	1.611	2.546	8.7	20.2
2 1	9 41.06	+21 31.4	1.592	2.564	4.4	19.9
2 11	9 29.45	+22 19.0	1.601	2.582	3.1	19.9
2 21	9 18.18	+22 54.1	1.640	2.599	6.7	20.2
3 2	9 8.52	+23 13.2	1.707	2.615	10.8	20.4
3 12	9 1.40	+23 16.1	1.797	2.630	14.3	20.7

217755 2000 OP_{34} 2 9.9 128°.06 2°.0/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.58	+ 5 13.1	2.417	3.150	13.6	21.0
1 12	9 52.21	+ 5 34.8	2.332	3.167	11.0	20.8
1 22	9 45.93	+ 6 10.9	2.271	3.183	7.9	20.7
2 1	9 38.22	+ 6 59.4	2.236	3.198	4.5	20.5
2 11	9 29.81	+ 7 56.6	2.231	3.213	2.0	20.3
2 21	9 21.50	+ 8 57.6	2.256	3.227	4.0	20.5
3 2	9 14.09	+ 9 57.6	2.312	3.240	7.3	20.7
3 12	9 8.25	+10 52.2	2.395	3.253	10.3	20.9

462322 2008 HW_{34} 2 9.9 219°.64 3°.2/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.82	+18 48.7	2.047	2.836	14.0	21.0
1 12	9 52.35	+20 9.2	1.957	2.832	10.9	20.8
1 22	9 46.48	+21 40.6	1.890	2.828	7.4	20.6
2 1	9 38.66	+23 16.0	1.852	2.823	4.1	20.4
2 11	9 29.74	+24 47.0	1.842	2.818	3.7	20.3
2 21	9 20.76	+26 5.8	1.862	2.813	6.8	20.5
3 2	9 12.80	+27 6.9	1.910	2.808	10.4	20.7
3 12	9 6.78	+27 48.2	1.982	2.802	13.7	20.9

117170 2004 RK_{36} 2 9.9 174°.74 2°.7/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.58	+20 22.8	2.157	2.941	13.5	20.6
1 12	9 54.25	+21 2.3	2.071	2.943	10.6	20.4
1 22	9 47.58	+21 48.0	2.008	2.944	7.2	20.2
2 1	9 39.11	+22 34.4	1.973	2.945	3.9	20.0
2 11	9 29.70	+23 15.6	1.966	2.945	3.0	19.9
2 21	9 20.36	+23 46.6	1.990	2.945	6.0	20.1
3 2	9 12.12	+24 4.3	2.041	2.945	9.5	20.3
3 12	9 5.80	+24 7.8	2.116	2.945	12.6	20.5

155998 2001 RQ_{21} 2 9.9 229°.54 0°.0/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.29	+11 55.1	1.671	2.449	17.1	20.8
1 12	9 55.57	+12 19.3	1.575	2.441	13.6	20.5
1 22	9 48.96	+12 59.0	1.501	2.433	9.4	20.2
2 1	9 39.96	+13 50.7	1.451	2.425	4.6	19.9
2 11	9 29.57	+14 47.9	1.429	2.416	0.6	19.6
2 21	9 19.09	+15 43.5	1.436	2.406	5.8	20.0
3 2	9 9.87	+16 31.0	1.469	2.397	10.7	20.2
3 12	9 3.02	+17 6.0	1.526	2.386	15.0	20.4

372472 2009 SX_{183} 2 9.9 82°.38 1°.0/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.63	+16 5.3	1.926	2.706	15.1	21.5
1 12	9 55.11	+16 19.7	1.852	2.720	11.8	21.3
1 22	9 48.14	+16 42.5	1.800	2.734	8.0	21.1
2 1	9 39.34	+17 9.6	1.774	2.748	3.8	20.9
2 11	9 29.68	+17 36.0	1.776	2.762	1.3	20.7
2 21	9 20.24	+17 57.0	1.808	2.776	5.2	21.0
3 2	9 12.09	+18 9.6	1.868	2.790	9.2	21.3
3 12	9 6.03	+18 12.1	1.953	2.803	12.6	21.5

236089 2005 LB_{41} 2 9.9 244°.89 0°.4/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.04	+10 57.8	2.702	3.457	11.8	21.9
1 12	9 50.26	+11 20.3	2.591	3.443	9.4	21.7
1 22	9 44.68	+11 53.1	2.503	3.429	6.5	21.5
2 1	9 37.69	+12 33.8	2.443	3.415	3.3	21.2
2 11	9 29.90	+13 18.9	2.414	3.400	0.5	21.0
2 21	9 22.02	+14 4.4	2.415	3.385	3.8	21.2
3 2	9 14.83	+14 46.5	2.446	3.370	7.1	21.4
3 12	9 8.99	+15 21.9	2.503	3.354	10.2	21.6

33001 1997 CU_{29} 2 9.9 241°.33 0°.0/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 33.54	+15 17.3	43.428	44.186	0.8	22.6
1 12	9 32.93	+15 20.3	43.328	44.185	0.6	22.5
1 22	9 32.23	+15 23.7	43.254	44.184	0.4	22.5
2 1	9 31.49	+15 27.3	43.210	44.183	0.2	22.5
2 11	9 30.71	+15 31.0	43.196	44.182	0.0	22.4
2 21	9 29.94	+15 34.7	43.213	44.181	0.3	22.5
3 2	9 29.20	+15 38.1	43.260	44.180	0.5	22.5
3 12	9 28.52	+15 41.2	43.335	44.180	0.7	22.5

223760 2004 RH_{235} 2 9.9 98°.76 0°.7/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.64	+10 32.6	2.132	2.893	14.4	21.0
1 12	9 53.28	+10 48.4	2.056	2.910	11.4	20.8
1 22	9 46.78	+11 16.0	2.001	2.928	7.9	20.6
2 1	9 38.67	+11 52.5	1.974	2.945	4.0	20.4
2 11	9 29.79	+12 33.7	1.975	2.962	0.7	20.2
2 21	9 21.09	+13 14.6	2.007	2.978	4.3	20.5
3 2	9 13.48	+13 51.2	2.067	2.994	8.1	20.7
3 12	9 7.67	+14 20.2	2.153	3.010	11.3	21.0

196541 2003 OW_{32} 2 9.9 210°.72 0°.5/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.53	+11 27.3	2.221	2.984	13.8	21.0
1 12	9 52.53	+11 38.1	2.125	2.982	11.0	20.8
1 22	9 46.37	+11 59.9	2.051	2.979	7.6	20.6
2 1	9 38.54	+12 30.1	2.004	2.976	3.8	20.3
2 11	9 29.80	+13 4.7	1.986	2.972	0.6	20.1
2 21	9 21.07	+13 39.5	1.998	2.969	4.4	20.4
3 2	9 13.28	+14 10.4	2.038	2.965	8.2	20.6
3 12	9 7.21	+14 34.3	2.104	2.961	11.6	20.8

15755 1992 ET_{5} 2 9.9 123°.47 0°.7/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.23	+14 20.2	2.714	3.479	11.5	19.4
1 12	9 50.25	+14 58.4	2.630	3.490	9.0	19.2
1 22	9 44.55	+15 44.8	2.570	3.502	6.1	19.0
2 1	9 37.57	+16 36.0	2.539	3.513	2.8	18.8
2 11	9 29.95	+17 27.5	2.538	3.524	0.9	18.7
2 21	9 22.41	+18 15.3	2.568	3.534	4.0	19.0
3 2	9 15.66	+18 55.8	2.628	3.544	7.1	19.2
3 12	9 10.30	+19 26.9	2.714	3.554	9.8	19.4

337645 2001 TO_{124} 2 9.9 113°.67 3°.2/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.14	+ 2 56.0	2.572	3.294	13.2	20.9
1 12	9 50.99	+ 2 42.5	2.482	3.304	10.8	20.7
1 22	9 45.08	+ 2 42.1	2.415	3.315	8.1	20.6
2 1	9 37.83	+ 2 54.5	2.374	3.325	5.2	20.4
2 11	9 29.92	+ 3 17.8	2.362	3.335	3.3	20.3
2 21	9 22.08	+ 3 49.0	2.380	3.345	4.3	20.4
3 2	9 15.05	+ 4 24.4	2.427	3.355	7.0	20.6
3 12	9 9.46	+ 5 0.0	2.501	3.365	9.7	20.8

426581 2013 SH_{26} 2 9.9 156°.03 1°.3/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.32	+17 42.9	2.427	3.196	12.6	21.5
1 12	9 54.45	+18 2.6	2.339	3.202	9.9	21.3
1 22	9 47.52	+18 28.2	2.275	3.208	6.7	21.1
2 1	9 39.04	+18 56.1	2.240	3.213	3.2	20.9
2 11	9 29.77	+19 22.0	2.234	3.218	1.6	20.8
2 21	9 20.61	+19 41.9	2.259	3.222	4.7	21.0
3 2	9 12.44	+19 53.5	2.313	3.226	8.1	21.2
3 12	9 5.96	+19 55.3	2.393	3.230	11.1	21.4

363127 2001 PY_{62} 2 9.9 159°.62 0°.0/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.67	+11 42.8	2.534	3.287	12.6	21.7
1 12	9 53.08	+12 19.6	2.444	3.296	9.9	21.6
1 22	9 46.56	+13 7.0	2.377	3.304	6.8	21.4
2 1	9 38.58	+14 1.8	2.338	3.311	3.3	21.2
2 11	9 29.83	+14 59.2	2.330	3.317	0.4	20.9
2 21	9 21.14	+15 54.6	2.354	3.322	4.1	21.2
3 2	9 13.30	+16 43.7	2.407	3.327	7.5	21.5
3 12	9 7.00	+17 23.7	2.488	3.331	10.5	21.7

283918 2004 GL_{31} 2 9.9 227°.53 2°.1/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.70	+16 36.1	1.670	2.458	16.7	21.1
1 12	9 56.77	+17 17.0	1.576	2.450	13.2	20.8
1 22	9 49.85	+18 10.5	1.504	2.441	9.0	20.5
2 1	9 40.44	+19 10.7	1.458	2.432	4.4	20.2
2 11	9 29.59	+20 9.9	1.439	2.422	2.4	20.1
2 21	9 18.66	+21 0.1	1.448	2.412	6.8	20.3
3 2	9 9.05	+21 35.8	1.485	2.402	11.4	20.6
3 12	9 1.92	+21 54.5	1.544	2.390	15.6	20.8

363634 2004 RA_{168} 2 9.9 186°.11 1°.5/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.76	+18 8.9	2.376	3.147	12.8	21.1
1 12	9 54.91	+18 28.2	2.283	3.147	10.1	20.9
1 22	9 47.92	+18 53.5	2.213	3.146	6.8	20.7
2 1	9 39.27	+19 20.9	2.172	3.145	3.3	20.5
2 11	9 29.76	+19 45.9	2.160	3.144	1.7	20.4
2 21	9 20.31	+20 4.6	2.179	3.142	4.9	20.6
3 2	9 11.85	+20 14.4	2.227	3.140	8.4	20.8
3 12	9 5.14	+20 14.0	2.301	3.137	11.5	21.0

153099 2000 SY_{10} 2 9.9 37°.37 19°.2/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 52.38	−23 55.7	1.119	1.774	30.2	19.5
1 12	9 51.43	−25 47.5	1.056	1.779	28.1	19.3
1 22	9 46.86	−26 54.6	1.002	1.785	25.8	19.1
2 1	9 39.21	−27 4.1	0.958	1.791	23.2	19.0
2 11	9 29.76	−26 7.5	0.929	1.797	20.9	18.8
2 21	9 20.27	−24 4.4	0.916	1.804	19.4	18.8
3 2	9 12.60	−21 5.3	0.922	1.812	19.4	18.8
3 12	9 8.17	−17 30.9	0.946	1.820	20.8	18.9

337384 2001 QY_{110} 2 9.9 54°.30 1°.6/10.9 18

1 2	10 0.61	+10 28.7	2.010	2.768	15.3	20.3
1 12	9 55.56	+10 5.6	1.944	2.796	12.1	20.1
1 22	9 48.27	+ 9 52.9	1.900	2.823	8.5	19.9
2 1	9 39.37	+ 9 49.2	1.882	2.851	4.5	19.7
2 11	9 29.79	+ 9 51.6	1.894	2.878	1.6	19.6
2 21	9 20.55	+ 9 57.1	1.935	2.906	4.5	19.8
3 2	9 12.57	+10 2.5	2.004	2.934	8.1	20.1
3 12	9 6.57	+10 5.4	2.100	2.962	11.4	20.4

329607 2003 GE_{10} 2 9.9 351°.28 0°.2/10.1 18

1 2	9 48.39	+ 7 5.3	1.408	2.205	18.8	19.6
1 12	9 47.41	+ 8 18.8	1.322	2.198	15.1	19.4
1 22	9 43.62	+10 0.7	1.256	2.192	10.5	19.1
2 1	9 37.49	+12 6.0	1.213	2.187	5.2	18.7
2 11	9 30.00	+14 24.4	1.197	2.183	0.6	18.4
2 21	9 22.44	+16 42.4	1.208	2.181	6.2	18.8
3 2	9 16.17	+18 47.2	1.245	2.179	11.5	19.1
3 12	9 12.30	+20 29.7	1.305	2.179	16.1	19.3

351689 2006 BV_{58} 2 9.9 334°.25 1°.8/ 8.9 18

1 2	9 53.60	+16 6.9	1.170	1.995	20.2	20.3
1 12	9 52.31	+16 27.6	1.086	1.980	16.1	20.0
1 22	9 47.45	+17 3.9	1.020	1.966	11.0	19.7
2 1	9 39.51	+17 50.4	0.976	1.952	5.3	19.3
2 11	9 29.75	+18 38.2	0.955	1.940	2.3	19.1
2 21	9 19.87	+19 17.8	0.959	1.930	7.9	19.4
3 2	9 11.71	+19 42.3	0.985	1.920	13.7	19.7
3 12	9 6.69	+19 48.1	1.031	1.912	18.8	19.9

73823 1995 WQ_{40} 2 9.9 282°.89 0°.7/ 9.4 18

1 2	9 57.93	+14 20.9	1.660	2.448	16.8	20.3
1 12	9 54.49	+14 41.6	1.569	2.442	13.3	20.1
1 22	9 48.21	+15 15.0	1.500	2.436	9.1	19.8
2 1	9 39.63	+15 57.0	1.456	2.431	4.3	19.5
2 11	9 29.75	+16 41.3	1.439	2.425	1.1	19.3
2 21	9 19.86	+17 21.3	1.450	2.419	5.9	19.6
3 2	9 11.28	+17 51.7	1.487	2.414	10.7	19.8
3 12	9 5.05	+18 9.4	1.548	2.408	14.8	20.1

432218 2009 FN_{41} 2 9.9 288°.53 5°.5/15.9 17

1 2	9 50.95	− 7 35.5	2.481	3.156	14.7	21.2
1 12	9 48.07	− 7 16.6	2.364	3.141	12.7	21.0
1 22	9 43.34	− 6 34.9	2.266	3.127	10.3	20.8
2 1	9 37.14	− 5 29.4	2.193	3.113	7.7	20.6
2 11	9 30.07	− 4 1.7	2.147	3.099	5.8	20.5
2 21	9 22.90	− 2 16.3	2.130	3.084	5.8	20.4
3 2	9 16.40	− 0 19.9	2.143	3.070	7.8	20.5
3 12	9 11.31	+ 1 39.5	2.184	3.056	10.6	20.7

405856 2006 DB_{10} 2 9.9 307°.61 2°.6/ 8.2 16

1 2	9 54.57	+16 7.7	1.366	2.179	18.5	21.2
1 12	9 52.73	+16 57.8	1.271	2.158	14.7	20.9
1 22	9 47.59	+18 5.7	1.195	2.138	10.1	20.6
2 1	9 39.57	+19 25.0	1.142	2.118	5.0	20.2
2 11	9 29.74	+20 45.7	1.115	2.098	3.1	20.1
2 21	9 19.63	+21 57.0	1.113	2.079	8.0	20.3
3 2	9 10.91	+22 50.2	1.136	2.060	13.4	20.5
3 12	9 5.02	+23 21.1	1.180	2.042	18.3	20.8

502101 2015 AE_{264} 2 9.9 125°.63 5°.2/ 4.8 18

1 2	9 56.96	+28 21.1	2.367	3.159	12.2	21.2
1 12	9 52.94	+29 32.4	2.292	3.164	9.7	21.0
1 22	9 46.69	+30 44.7	2.242	3.168	7.2	20.9
2 1	9 38.72	+31 51.1	2.219	3.172	5.4	20.8
2 11	9 29.88	+32 45.0	2.225	3.176	5.6	20.8
2 21	9 21.13	+33 21.5	2.260	3.180	7.7	20.9
3 2	9 13.43	+33 38.6	2.321	3.184	10.3	21.1
3 12	9 7.57	+33 36.8	2.405	3.188	12.7	21.3

117280 2004 TW_{121} 2 9.9 186°.17 0°.4/10.2 17

1 2	9 56.76	+11 25.5	2.322	3.081	13.4	21.0
1 12	9 52.62	+11 44.0	2.226	3.081	10.6	20.9
1 22	9 46.41	+12 13.5	2.154	3.081	7.3	20.6
2 1	9 38.59	+12 51.2	2.108	3.080	3.6	20.4
2 11	9 29.91	+13 33.0	2.092	3.079	0.5	20.1
2 21	9 21.24	+14 14.4	2.106	3.077	4.3	20.4
3 2	9 13.47	+14 51.3	2.150	3.075	7.9	20.7
3 12	9 7.36	+15 20.5	2.219	3.072	11.2	20.9

214068 2004 GX_1 2 9.9 257°.82 3°.2/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 52.58	+ 1 42.1	2.673	3.392	12.8	21.1
1 12	9 49.15	+ 1 44.8	2.558	3.378	10.6	21.0
1 22	9 43.97	+ 2 1.9	2.465	3.364	8.0	20.8
2 1	9 37.41	+ 2 33.4	2.399	3.349	5.2	20.6
2 11	9 30.06	+ 3 17.2	2.361	3.334	3.3	20.4
2 21	9 22.60	+ 4 9.9	2.353	3.320	4.3	20.4
3 2	9 15.79	+ 5 7.1	2.375	3.304	7.0	20.6
3 12	9 10.30	+ 6 4.3	2.423	3.289	9.9	20.8

205540 2001 SU_{172} 2 9.9 91°.21 0°.8/ 9.2 18

1 2	9 55.71	+15 4.2	2.412	3.183	12.7	20.9
1 12	9 51.60	+15 32.5	2.334	3.198	9.9	20.7
1 22	9 45.58	+16 8.9	2.280	3.213	6.6	20.5
2 1	9 38.13	+16 49.7	2.254	3.228	3.1	20.3
2 11	9 29.99	+17 30.5	2.257	3.243	1.0	20.2
2 21	9 22.00	+18 6.9	2.291	3.257	4.4	20.5
3 2	9 14.94	+18 35.8	2.353	3.272	7.7	20.7
3 12	9 9.49	+18 55.2	2.442	3.286	10.6	20.9

488730 2004 RR_{20} 2 9.9 227°.00 2°.0/ 8.7 18

1 2	10 4.27	+18 43.6	1.765	2.547	16.2	21.7
1 12	9 59.41	+18 59.2	1.669	2.539	12.8	21.5
1 22	9 51.56	+19 22.4	1.595	2.530	8.8	21.2
2 1	9 41.26	+19 48.1	1.546	2.520	4.4	20.9
2 11	9 29.59	+20 10.1	1.526	2.510	2.3	20.8
2 21	9 17.89	+20 22.9	1.535	2.499	6.5	21.0
3 2	9 7.56	+20 23.3	1.572	2.488	11.0	21.2
3 12	8 59.71	+20 10.4	1.632	2.476	15.0	21.5

161793 2006 UT_{286} 2 9.9 355°.84 6°.8/13.9 18

1 2	9 58.11	− 1 10.9	1.795	2.519	18.0	20.0
1 12	9 54.30	− 2 14.8	1.704	2.518	15.3	19.8
1 22	9 47.91	− 3 0.9	1.632	2.517	12.2	19.6
2 1	9 39.44	− 3 26.2	1.583	2.517	9.0	19.4
2 11	9 29.82	− 3 30.0	1.559	2.517	6.9	19.3
2 21	9 20.16	− 3 14.4	1.563	2.517	7.5	19.3
3 2	9 11.64	− 2 43.8	1.593	2.517	10.3	19.5
3 12	9 5.24	− 2 4.8	1.647	2.517	13.5	19.7

297419 2000 SW_{45} 2 9.9 225°.70 4°.7/15.6 17

1 2	9 52.96	− 6 49.1	3.395	4.047	11.4	22.7
1 12	9 49.04	− 6 55.7	3.272	4.033	9.8	22.5
1 22	9 43.68	− 6 47.5	3.171	4.019	8.0	22.4
2 1	9 37.21	− 6 23.9	3.095	4.004	6.2	22.2
2 11	9 30.11	− 5 45.5	3.047	3.988	4.9	22.1
2 21	9 22.91	− 4 54.2	3.030	3.972	5.0	22.1
3 2	9 16.21	− 3 53.5	3.042	3.955	6.4	22.2
3 12	9 10.53	− 2 47.5	3.083	3.937	8.4	22.3

467404 2005 JY_{26} 2 9.9 198°.77 4°.3/ 5.4 17

1 2	9 56.30	+26 33.7	2.604	3.391	11.4	21.5
1 12	9 52.23	+27 38.2	2.518	3.389	9.0	21.4
1 22	9 46.13	+28 44.8	2.458	3.386	6.5	21.2
2 1	9 38.46	+29 47.7	2.426	3.384	4.6	21.1
2 11	9 29.95	+30 41.0	2.423	3.381	4.7	21.1
2 21	9 21.46	+31 20.0	2.450	3.378	6.8	21.2
3 2	9 13.86	+31 42.4	2.504	3.375	9.3	21.4
3 12	9 7.88	+31 47.9	2.582	3.371	11.7	21.5

217772 2000 RJ_{48} 2 9.9 76°.86 4°.5/13.6 18

1 2	9 59.86	+ 0 1.3	2.049	2.763	16.3	20.2
1 12	9 54.92	− 0 14.4	1.985	2.799	13.5	20.1
1 22	9 47.83	− 0 11.7	1.942	2.834	10.2	20.0
2 1	9 39.19	+ 0 9.0	1.924	2.868	6.9	19.8
2 11	9 29.88	+ 0 45.3	1.933	2.902	4.6	19.7
2 21	9 20.88	+ 1 32.4	1.972	2.935	5.4	19.9
3 2	9 13.08	+ 2 25.1	2.040	2.967	8.2	20.1
3 12	9 7.16	+ 3 17.6	2.134	3.000	11.1	20.3

181583 2006 VH_{108} 2 9.9 270°.97 9°.7/ 1.7 18

1 2	10 2.68	+36 34.9	1.807	2.605	15.2	19.8
1 12	9 58.78	+38 16.0	1.728	2.591	12.8	19.6
1 22	9 51.48	+39 54.3	1.672	2.577	10.7	19.4
2 1	9 41.35	+41 17.9	1.641	2.564	9.7	19.4
2 11	9 29.58	+42 15.8	1.635	2.549	10.4	19.4
2 21	9 17.78	+42 40.9	1.655	2.535	12.6	19.5
3 2	9 7.59	+42 32.1	1.697	2.521	15.3	19.6
3 12	9 0.30	+41 53.3	1.758	2.507	17.9	19.8

200752 2001 WG_6 2 9.9 303°.02 5°.5/ 6.4 18

1 2	9 57.42	+22 35.1	1.370	2.189	18.1	19.6
1 12	9 55.10	+23 43.3	1.281	2.171	14.4	19.3
1 22	9 49.27	+25 2.9	1.213	2.154	10.2	19.0
2 1	9 40.41	+26 24.3	1.168	2.137	6.3	18.8
2 11	9 29.70	+27 35.5	1.148	2.121	6.1	18.7
2 21	9 18.79	+28 25.8	1.154	2.104	10.0	18.9
3 2	9 9.49	+28 49.3	1.183	2.089	14.7	19.1
3 12	9 3.21	+28 45.6	1.232	2.073	19.1	19.3

360553 2003 SS_{338} 2 9.9 259°.37 1°.8/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 58.71	+16 11.0	1.764	2.551	16.0	21.9
1 12	9 55.13	+16 49.1	1.663	2.536	12.6	21.7
1 22	9 48.72	+17 39.5	1.584	2.521	8.6	21.4
2 1	9 39.95	+18 37.4	1.530	2.505	4.2	21.1
2 11	9 29.77	+19 35.4	1.505	2.489	2.1	20.9
2 21	9 19.42	+20 26.1	1.508	2.473	6.4	21.1
3 2	9 10.24	+21 4.0	1.538	2.456	11.0	21.4
3 12	9 3.34	+21 26.1	1.591	2.439	15.1	21.6

341725 2007 VL_{219} 2 9.9 73°.77 3°.9/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.51	+ 1 27.3	2.358	3.080	14.2	20.6
1 12	9 50.73	+ 1 7.4	2.269	3.088	11.8	20.4
1 22	9 45.05	+ 1 2.5	2.201	3.097	8.9	20.3
2 1	9 37.92	+ 1 12.5	2.159	3.106	6.0	20.1
2 11	9 30.05	+ 1 35.9	2.145	3.115	4.0	20.0
2 21	9 22.24	+ 2 9.4	2.160	3.124	4.9	20.1
3 2	9 15.31	+ 2 49.0	2.204	3.133	7.5	20.2
3 12	9 9.92	+ 3 30.0	2.274	3.142	10.4	20.4

252313 2001 RC_{108} 2 9.9 51°.89 4°.5/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 5.11	+25 7.5	1.566	2.365	17.1	20.0
1 12	10 0.06	+25 26.8	1.503	2.380	13.5	19.8
1 22	9 51.84	+25 47.4	1.461	2.396	9.4	19.6
2 1	9 41.26	+26 2.2	1.444	2.412	5.6	19.5
2 11	9 29.67	+26 4.4	1.454	2.429	4.8	19.4
2 21	9 18.58	+25 50.0	1.492	2.445	7.9	19.7
3 2	9 9.36	+25 18.7	1.556	2.462	11.8	19.9
3 12	9 2.94	+24 33.0	1.643	2.479	15.3	20.2

453265 2008 SP_{237} 2 9.9 75°.47 1°.3/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.26	+ 9 1.9	1.410	2.191	19.6	22.0
1 12	9 56.41	+ 9 15.6	1.345	2.210	15.6	21.8
1 22	9 49.48	+ 9 48.3	1.300	2.230	10.9	21.6
2 1	9 40.19	+10 36.2	1.278	2.249	5.6	21.3
2 11	9 29.79	+11 32.5	1.283	2.269	1.4	21.1
2 21	9 19.73	+12 29.6	1.315	2.288	5.8	21.5
3 2	9 11.35	+13 20.4	1.373	2.307	10.7	21.8
3 12	9 5.64	+13 59.9	1.454	2.326	14.9	22.1

226073 2002 JA_{103} 2 9.9 343°.68 7°.6/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.82	+30 38.3	1.772	2.582	15.0	19.4
1 12	9 53.82	+32 13.6	1.699	2.578	12.1	19.2
1 22	9 47.86	+33 50.1	1.649	2.574	9.4	19.1
2 1	9 39.51	+35 17.5	1.625	2.571	7.7	19.0
2 11	9 29.87	+36 25.5	1.627	2.568	8.3	19.0
2 21	9 20.28	+37 7.2	1.655	2.565	10.7	19.1
3 2	9 12.13	+37 20.0	1.706	2.563	13.7	19.3
3 12	9 6.47	+37 6.1	1.779	2.561	16.5	19.5

453310 2008 VC_{24} 2 9.9 131°.20 0°.7/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.36	+13 13.9	1.723	2.501	16.7	22.1
1 12	9 56.13	+13 52.8	1.645	2.512	13.1	21.8
1 22	9 49.15	+14 45.8	1.589	2.522	8.9	21.6
2 1	9 40.03	+15 47.6	1.558	2.532	4.2	21.4
2 11	9 29.82	+16 51.2	1.556	2.542	1.1	21.1
2 21	9 19.75	+17 49.2	1.583	2.551	5.7	21.5
3 2	9 11.06	+18 36.1	1.637	2.560	10.1	21.8
3 12	9 4.68	+19 8.7	1.716	2.568	14.0	22.0

397008 2005 TB_{12} 2 9.9 62°.48 0°.2/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.59	+11 12.7	1.325	2.121	19.9	21.2
1 12	9 55.44	+11 36.0	1.257	2.132	15.8	21.0
1 22	9 49.04	+12 18.0	1.207	2.143	10.8	20.7
2 1	9 40.08	+13 13.9	1.180	2.154	5.3	20.5
2 11	9 29.82	+14 15.7	1.179	2.166	0.6	20.1
2 21	9 19.79	+15 14.9	1.205	2.178	6.3	20.6
3 2	9 11.49	+16 4.1	1.256	2.190	11.5	20.9
3 12	9 6.00	+16 38.8	1.329	2.202	16.0	21.2

371966 2008 FV_{116} 2 9.9 263°.95 0°.0/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.78	+12 30.5	1.880	2.657	15.5	21.5
1 12	9 53.26	+12 50.2	1.784	2.649	12.3	21.3
1 22	9 47.21	+13 22.8	1.710	2.642	8.5	21.1
2 1	9 39.14	+14 4.9	1.662	2.635	4.1	20.8
2 11	9 29.93	+14 51.3	1.641	2.628	0.5	20.5
2 21	9 20.67	+15 36.1	1.650	2.621	5.2	20.8
3 2	9 12.50	+16 14.2	1.686	2.613	9.6	21.0
3 12	9 6.39	+16 42.0	1.746	2.606	13.4	21.3

45777 2000 OZ_{4} 2 9.9 210°.01 2°.6/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.69	+ 6 51.4	2.266	3.004	14.3	19.4
1 12	9 54.99	+ 6 30.4	2.163	2.999	11.7	19.2
1 22	9 48.10	+ 6 21.0	2.082	2.994	8.5	19.0
2 1	9 39.48	+ 6 22.7	2.027	2.988	5.0	18.7
2 11	9 29.90	+ 6 33.5	2.002	2.982	2.6	18.6
2 21	9 20.27	+ 6 50.5	2.006	2.975	4.6	18.7
3 2	9 11.57	+ 7 10.3	2.040	2.968	8.1	18.9
3 12	9 4.60	+ 7 29.3	2.100	2.961	11.4	19.1

194824 2001 YU_{124} 2 9.9 356°.06 2°.5/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 57.99	+18 29.4	1.220	2.040	19.8	20.1
1 12	9 55.52	+18 44.8	1.146	2.036	15.7	19.8
1 22	9 49.44	+19 11.2	1.090	2.034	10.7	19.5
2 1	9 40.40	+19 42.1	1.056	2.032	5.3	19.2
2 11	9 29.78	+20 9.1	1.047	2.031	2.9	19.0
2 21	9 19.31	+20 24.8	1.063	2.031	7.8	19.3
3 2	9 10.72	+20 25.0	1.102	2.032	13.2	19.6
3 12	9 5.26	+20 8.8	1.162	2.034	17.9	19.9

462670 2009 TO_{31} 2 9.9 184°.21 2°.6/12.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.50	+ 4 55.6	2.468	3.197	13.5	22.4
1 12	9 53.06	+ 4 53.0	2.368	3.197	11.0	22.2
1 22	9 46.66	+ 5 3.6	2.290	3.197	8.1	22.0
2 1	9 38.74	+ 5 26.5	2.238	3.196	4.9	21.8
2 11	9 30.00	+ 5 59.3	2.216	3.195	2.6	21.6
2 21	9 21.24	+ 6 38.4	2.224	3.193	4.2	21.7
3 2	9 13.31	+ 7 19.6	2.262	3.190	7.4	21.9
3 12	9 6.92	+ 7 59.0	2.327	3.187	10.5	22.1

244849 2003 UY_{137} 2 9.9 107°.03 0°.9/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.55	+13 56.7	1.855	2.629	15.8	21.5
1 12	9 55.96	+14 35.8	1.784	2.649	12.3	21.3
1 22	9 48.84	+15 26.7	1.736	2.669	8.3	21.1
2 1	9 39.81	+16 24.5	1.714	2.688	3.9	20.9
2 11	9 29.88	+17 22.4	1.721	2.706	1.2	20.7
2 21	9 20.17	+18 14.1	1.757	2.724	5.4	21.0
3 2	9 11.80	+18 55.0	1.822	2.742	9.5	21.3
3 12	9 5.59	+19 22.7	1.911	2.759	13.0	21.6

111066 2001 VA_{47} 2 9.9 355°.47 3°.9/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.55	+20 12.0	1.433	2.252	17.4	18.6
1 12	9 51.55	+21 5.7	1.357	2.248	13.7	18.3
1 22	9 46.47	+22 9.9	1.301	2.244	9.4	18.0
2 1	9 38.90	+23 17.0	1.268	2.242	5.2	17.8
2 11	9 29.97	+24 17.1	1.262	2.240	4.4	17.7
2 21	9 21.13	+25 1.9	1.281	2.239	8.2	18.0
3 2	9 13.81	+25 26.4	1.325	2.240	12.7	18.2
3 12	9 9.12	+25 29.4	1.389	2.241	16.6	18.5

164793 1999 GO_{7} 2 9.9 303°.33 1°.7/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.68	+ 8 37.8	1.427	2.216	19.0	20.1
1 12	9 52.58	+ 8 45.3	1.326	2.196	15.5	19.8
1 22	9 47.38	+ 9 13.1	1.244	2.176	11.1	19.5
2 1	9 39.48	+ 9 59.8	1.185	2.156	5.9	19.1
2 11	9 29.88	+11 0.0	1.151	2.137	1.7	18.8
2 21	9 19.99	+12 6.1	1.143	2.118	6.2	19.0
3 2	9 11.35	+13 9.3	1.161	2.099	11.7	19.2
3 12	9 5.31	+14 2.4	1.200	2.081	16.7	19.5

238452 2004 PZ_{105} 2 9.9 117°.61 2°.1/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 2.55	+17 27.3	1.732	2.516	16.3	21.3
1 12	9 57.79	+18 7.3	1.661	2.532	12.8	21.1
1 22	9 50.23	+18 57.1	1.611	2.547	8.6	20.9
2 1	9 40.53	+19 50.3	1.588	2.561	4.2	20.6
2 11	9 29.79	+20 39.6	1.593	2.576	2.5	20.5
2 21	9 19.30	+21 18.7	1.627	2.589	6.3	20.8
3 2	9 10.30	+21 43.8	1.688	2.602	10.5	21.1
3 12	9 3.71	+21 53.5	1.773	2.614	14.1	21.3

416892 2005 QL_{130} 2 9.9 149°.43 3°.6/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 2.37	+24 5.3	2.261	3.041	13.1	21.9
1 12	9 57.10	+24 45.3	2.182	3.049	10.3	21.7
1 22	9 49.49	+25 28.0	2.127	3.058	7.2	21.5
2 1	9 40.10	+26 7.5	2.099	3.065	4.3	21.3
2 11	9 29.85	+26 38.1	2.101	3.073	3.9	21.3
2 21	9 19.77	+26 55.4	2.134	3.079	6.5	21.5
3 2	9 10.87	+26 57.7	2.194	3.085	9.5	21.7
3 12	9 3.95	+26 45.3	2.279	3.091	12.4	21.9

151927 2004 FP_{15} 2 9.9 257°.69 5°.0/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.05	+ 2 12.7	1.945	2.675	16.6	20.3
1 12	9 54.96	+ 1 28.0	1.840	2.665	13.9	20.0
1 22	9 48.37	+ 0 58.3	1.756	2.655	10.7	19.8
2 1	9 39.73	+ 0 45.3	1.696	2.644	7.3	19.6
2 11	9 29.89	+ 0 48.5	1.664	2.633	5.1	19.4
2 21	9 19.91	+ 1 5.5	1.659	2.622	6.2	19.5
3 2	9 10.94	+ 1 32.4	1.683	2.611	9.5	19.6
3 12	9 3.93	+ 2 3.6	1.731	2.599	13.1	19.8

146348 2001 OF_{93} 2 9.9 101°.10 2°.8/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 1.56	+20 10.1	1.954	2.737	14.8	20.2
1 12	9 56.67	+20 50.1	1.885	2.756	11.5	20.0
1 22	9 49.27	+21 36.1	1.840	2.775	7.8	19.8
2 1	9 40.01	+22 22.2	1.822	2.794	4.1	19.6
2 11	9 29.89	+23 2.0	1.833	2.812	3.1	19.6
2 21	9 20.04	+23 30.3	1.873	2.829	6.2	19.8
3 2	9 11.54	+23 44.5	1.940	2.847	9.8	20.0
3 12	9 5.21	+23 44.3	2.032	2.863	13.0	20.3

306192 2011 OE_{45} 2 9.9 205°.79 0°.7/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 57.57	+16 19.3	2.541	3.308	12.2	20.8
1 12	9 53.08	+16 25.2	2.445	3.307	9.6	20.6
1 22	9 46.64	+16 37.0	2.374	3.305	6.5	20.4
2 1	9 38.73	+16 52.0	2.329	3.303	3.1	20.1
2 11	9 30.04	+17 6.7	2.315	3.301	0.9	20.0
2 21	9 21.41	+17 18.0	2.332	3.299	4.2	20.2
3 2	9 13.65	+17 23.3	2.378	3.297	7.6	20.4
3 12	9 7.46	+17 21.3	2.450	3.295	10.6	20.6

402506 2006 DV_{79} 2 9.9 307°.78 0°.1/ 9.9 16

1 2	9 56.74	+13 22.1	1.380	2.182	18.9	21.5
1 12	9 54.36	+13 27.9	1.283	2.162	15.2	21.2
1 22	9 48.69	+13 48.9	1.204	2.143	10.6	20.8
2 1	9 40.15	+14 21.9	1.148	2.123	5.2	20.5
2 11	9 29.84	+15 0.8	1.118	2.105	0.7	20.1
2 21	9 19.27	+15 38.1	1.114	2.087	6.7	20.4
3 2	9 10.11	+16 7.3	1.134	2.069	12.3	20.7
3 12	9 3.73	+16 23.7	1.176	2.052	17.4	20.9

276297 2002 TZ_{96} 2 9.9 137°.59 3°.8/ 7.1 16

1 2	10 4.48	+20 53.3	1.874	2.656	15.4	21.9
1 12	9 59.21	+22 4.6	1.803	2.673	12.0	21.7
1 22	9 51.18	+23 23.3	1.756	2.689	8.2	21.5
2 1	9 41.01	+24 41.6	1.735	2.704	4.7	21.4
2 11	9 29.78	+25 50.8	1.744	2.718	4.2	21.4
2 21	9 18.75	+26 43.8	1.783	2.731	7.3	21.6
3 2	9 9.16	+27 17.3	1.849	2.743	10.9	21.8
3 12	9 1.93	+27 31.1	1.940	2.754	14.1	22.0

448141 2008 SH_{135} 2 9.9 109°.18 0°.6/10.3 16

1 2	10 1.62	+ 9 33.7	1.717	2.481	17.2	22.7
1 12	9 56.95	+10 9.1	1.647	2.504	13.7	22.5
1 22	9 49.61	+11 1.1	1.599	2.526	9.4	22.3
2 1	9 40.23	+12 5.3	1.576	2.547	4.7	22.0
2 11	9 29.88	+13 14.8	1.582	2.568	0.7	21.8
2 21	9 19.79	+14 22.2	1.617	2.588	5.2	22.1
3 2	9 11.12	+15 21.3	1.680	2.607	9.6	22.4
3 12	9 4.76	+16 7.9	1.768	2.625	13.4	22.7

293965 2007 TG_{45} 2 9.9 179°.76 4°.6/14.0 18

1 2	9 58.46	− 2 17.1	2.406	3.098	14.7	21.8
1 12	9 53.89	− 2 19.1	2.304	3.101	12.4	21.6
1 22	9 47.29	− 2 2.9	2.222	3.102	9.6	21.4
2 1	9 39.09	− 1 28.1	2.166	3.103	6.8	21.2
2 11	9 30.01	− 0 36.5	2.139	3.103	4.7	21.1
2 21	9 20.90	+ 0 27.8	2.142	3.101	5.3	21.1
3 2	9 12.62	+ 1 39.5	2.174	3.099	7.9	21.3
3 12	9 5.93	+ 2 52.6	2.234	3.096	10.8	21.5

114199 2002 VN_{97} 2 9.9 124°.54 1°.1/10.7 18

1 2	10 3.48	+ 9 36.7	1.754	2.513	17.1	21.0
1 12	9 58.39	+ 9 49.3	1.678	2.531	13.6	20.8
1 22	9 50.58	+10 17.0	1.624	2.549	9.5	20.6
2 1	9 40.71	+10 56.5	1.596	2.566	4.9	20.4
2 11	9 29.83	+11 42.5	1.596	2.582	1.1	20.1
2 21	9 19.18	+12 28.9	1.626	2.598	5.1	20.5
3 2	9 9.95	+13 10.4	1.684	2.612	9.5	20.7
3 12	9 3.05	+13 43.1	1.767	2.626	13.3	21.0

168485 1999 RP_{134} 2 9.9 151°.64 0°.2/10.1 18

1 2	10 2.00	+12 42.7	2.050	2.810	14.9	20.6
1 12	9 56.94	+12 51.5	1.963	2.819	11.8	20.4
1 22	9 49.48	+13 10.6	1.900	2.827	8.1	20.2
2 1	9 40.16	+13 37.2	1.863	2.835	4.0	20.0
2 11	9 29.90	+14 6.6	1.855	2.842	0.5	19.7
2 21	9 19.75	+14 34.5	1.878	2.848	4.7	20.0
3 2	9 10.78	+14 56.9	1.930	2.854	8.8	20.3
3 12	9 3.82	+15 11.5	2.007	2.859	12.3	20.5

370752 2004 RA_{209} 2 9.9 156°.48 6°.4/16.4 18

1 2	9 54.83	− 8 29.6	2.429	3.091	15.2	21.6
1 12	9 51.03	− 8 43.7	2.332	3.097	13.2	21.5
1 22	9 45.32	− 8 37.1	2.255	3.103	10.8	21.3
2 1	9 38.13	− 8 8.0	2.201	3.108	8.5	21.2
2 11	9 30.14	− 7 17.4	2.174	3.112	6.7	21.1
2 21	9 22.16	− 6 8.7	2.175	3.117	6.7	21.1
3 2	9 14.99	− 4 47.1	2.205	3.120	8.3	21.2
3 12	9 9.34	− 3 19.6	2.262	3.124	10.7	21.3

243087 2007 PD_{37} 2 9.9 239°.60 1°.2/10.8 17

1 2	9 59.46	+ 9 1.1	1.939	2.696	15.8	22.6
1 12	9 55.43	+ 9 17.2	1.829	2.681	12.7	22.3
1 22	9 48.81	+ 9 48.8	1.740	2.664	9.0	22.0
2 1	9 40.01	+10 33.8	1.678	2.647	4.8	21.7
2 11	9 29.90	+11 27.7	1.643	2.629	1.2	21.4
2 21	9 19.56	+12 24.6	1.639	2.610	5.1	21.7
3 2	9 10.20	+13 18.4	1.662	2.591	9.6	21.9
3 12	9 2.86	+14 4.1	1.711	2.571	13.7	22.1

180189 2003 QN_{72} 2 9.9 184°.51 1°.2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	10 0.24	+15 6.3	2.143	2.912	14.1	21.7
1 12	9 55.62	+15 45.4	2.050	2.912	11.1	21.5
1 22	9 48.64	+16 34.8	1.980	2.912	7.5	21.2
2 1	9 39.80	+17 30.3	1.937	2.911	3.6	21.0
2 11	9 29.94	+18 25.8	1.925	2.909	1.4	20.8
2 21	9 20.08	+19 15.6	1.942	2.907	5.2	21.1
3 2	9 11.26	+19 55.3	1.989	2.904	9.1	21.3
3 12	9 4.35	+20 22.3	2.061	2.900	12.5	21.5

348479 2005 SH_{153} 2 9.9 43°.79 6°.6/ 6.7 18

1 2	10 2.96	+25 36.9	1.150	1.976	20.4	20.2
1 12	9 59.52	+26 33.6	1.099	1.990	16.1	20.0
1 22	9 52.09	+27 34.2	1.066	2.006	11.4	19.8
2 1	9 41.59	+28 26.8	1.055	2.022	7.4	19.6
2 11	9 29.74	+29 0.0	1.069	2.039	7.1	19.6
2 21	9 18.50	+29 7.0	1.107	2.056	10.5	19.9
3 2	9 9.66	+28 47.2	1.168	2.074	14.8	20.1
3 12	9 4.29	+28 4.5	1.248	2.092	18.7	20.4

322606 4714 P–L 2 9.9 179°.26 4°.4/ 6.2 16

1 2	10 3.34	+28 9.1	2.557	3.332	11.9	21.5
1 12	9 57.71	+28 50.9	2.472	3.334	9.5	21.3
1 22	9 49.85	+29 32.5	2.411	3.335	6.9	21.1
2 1	9 40.29	+30 8.1	2.379	3.336	4.8	21.0
2 11	9 29.89	+30 32.3	2.377	3.336	4.7	21.0
2 21	9 19.61	+30 41.4	2.404	3.335	6.8	21.1
3 2	9 10.41	+30 34.3	2.461	3.333	9.4	21.3
3 12	9 3.06	+30 11.8	2.542	3.331	11.9	21.5

421972 2014 QH_{296} 2 9.9 85°.42 1°.6/11.1 18

1 2	10 1.86	+ 8 17.1	1.996	2.744	15.7	21.5
1 12	9 56.58	+ 8 22.0	1.932	2.777	12.5	21.3
1 22	9 49.03	+ 8 40.4	1.890	2.810	8.7	21.1
2 1	9 39.84	+ 9 9.9	1.875	2.842	4.7	20.9
2 11	9 29.96	+ 9 46.1	1.888	2.873	1.6	20.8
2 21	9 20.41	+10 24.4	1.932	2.903	4.5	21.0
3 2	9 12.14	+11 0.3	2.005	2.933	8.2	21.3
3 12	9 5.87	+11 30.4	2.103	2.962	11.5	21.6

495995 2007 VK_{4} 2 9.9 126°.35 3°.9/13.5 18

1 2	9 55.71	+ 0 33.1	2.647	3.353	13.2	21.3
1 12	9 51.45	+ 0 12.5	2.555	3.364	11.0	21.2
1 22	9 45.45	+ 0 5.7	2.486	3.374	8.4	21.0
2 1	9 38.14	+ 0 12.7	2.442	3.384	5.8	20.8
2 11	9 30.16	+ 0 32.3	2.428	3.394	4.0	20.7
2 21	9 22.23	+ 1 1.8	2.443	3.403	4.7	20.8
3 2	9 15.09	+ 1 37.6	2.487	3.412	7.0	21.0
3 12	9 9.35	+ 2 15.6	2.559	3.421	9.6	21.1

191354 2003 QD_{69} 2 9.9 47°.33 0°.1/ 9.8 18

1 2	9 56.31	+13 6.9	1.838	2.619	15.6	20.1
1 12	9 52.75	+13 24.0	1.762	2.630	12.3	19.9
1 22	9 46.74	+13 53.0	1.707	2.640	8.4	19.7
2 1	9 38.87	+14 30.0	1.677	2.651	4.0	19.4
2 11	9 30.08	+15 9.7	1.676	2.663	0.6	19.2
2 21	9 21.46	+15 46.9	1.703	2.674	5.0	19.5
3 2	9 14.05	+16 16.9	1.758	2.686	9.2	19.8
3 12	9 8.70	+16 36.8	1.837	2.698	12.8	20.0

506328 2017 OP_{12} 2 9.9 217°.26 4°.7/14.1 17

1 2	9 55.58	− 1 54.0	2.426	3.126	14.4	22.1
1 12	9 51.70	− 2 5.7	2.317	3.119	12.2	21.9
1 22	9 45.86	− 2 0.2	2.229	3.111	9.5	21.7
2 1	9 38.45	− 1 36.9	2.166	3.102	6.8	21.5
2 11	9 30.14	− 0 56.9	2.131	3.093	4.8	21.4
2 21	9 21.73	− 0 3.6	2.125	3.084	5.4	21.4
3 2	9 14.08	+ 0 58.3	2.148	3.074	7.9	21.6
3 12	9 7.94	+ 2 3.0	2.198	3.063	10.8	21.7

88943 2001 TR_{35} 2 9.9 220°.08 2°.6/11.6 18

1 2	10 1.28	+ 6 50.3	1.914	2.661	16.3	20.2
1 12	9 56.79	+ 6 38.2	1.810	2.652	13.3	20.0
1 22	9 49.69	+ 6 40.8	1.727	2.643	9.7	19.7
2 1	9 40.43	+ 6 57.3	1.669	2.632	5.6	19.5
2 11	9 29.92	+ 7 24.9	1.640	2.622	2.7	19.3
2 21	9 19.27	+ 7 59.3	1.639	2.610	5.2	19.4
3 2	9 9.70	+ 8 35.6	1.668	2.598	9.4	19.6
3 12	9 2.20	+ 9 8.8	1.721	2.585	13.4	19.8

189436 1998 RN_{42} 2 9.9 103°.21 0°.9/10.5 18

1 2	10 3.92	+11 6.9	1.583	2.354	18.2	20.6
1 12	9 59.00	+11 9.4	1.513	2.373	14.4	20.4
1 22	9 51.13	+11 26.2	1.464	2.392	10.0	20.2
2 1	9 41.03	+11 54.0	1.439	2.410	5.0	19.9
2 11	9 29.87	+12 27.4	1.442	2.428	0.9	19.7
2 21	9 19.02	+13 0.6	1.473	2.445	5.5	20.0
3 2	9 9.78	+13 28.5	1.532	2.462	10.1	20.3
3 12	9 3.09	+13 47.9	1.615	2.478	14.1	20.6

427223 2014 WT_{34} 2 9.9 152°.15 0°.2/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 59.81	+12 16.1	2.170	2.930	14.2	21.8
1 12	9 55.13	+12 31.7	2.082	2.938	11.3	21.6
1 22	9 48.21	+12 57.9	2.018	2.945	7.7	21.4
2 1	9 39.56	+13 31.8	1.980	2.952	3.8	21.2
2 11	9 30.04	+14 8.7	1.972	2.958	0.4	20.9
2 21	9 20.60	+14 44.3	1.994	2.964	4.5	21.3
3 2	9 12.22	+15 14.4	2.045	2.969	8.3	21.5
3 12	9 5.69	+15 36.4	2.122	2.974	11.7	21.7

166074 2002 CH_{93} 2 9.9 203°.53 0°.6/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 2.21	+14 53.2	2.037	2.804	14.8	20.6
1 12	9 57.34	+15 8.4	1.939	2.799	11.7	20.4
1 22	9 49.92	+15 33.2	1.864	2.794	8.0	20.1
2 1	9 40.49	+16 3.9	1.815	2.788	3.9	19.9
2 11	9 29.92	+16 35.5	1.796	2.782	0.9	19.6
2 21	9 19.34	+17 3.1	1.807	2.775	5.2	19.9
3 2	9 9.87	+17 22.9	1.846	2.767	9.3	20.2
3 12	9 2.45	+17 32.6	1.911	2.758	13.0	20.4

415820 2001 QJ_{154} 2 9.9 166°.71 6°.0/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 4.88	+30 54.0	2.189	2.971	13.4	21.7
1 12	9 59.37	+31 48.1	2.112	2.976	10.8	21.6
1 22	9 51.23	+32 40.7	2.059	2.979	8.1	21.4
2 1	9 41.05	+33 24.0	2.034	2.982	6.2	21.3
2 11	9 29.88	+33 51.1	2.037	2.985	6.3	21.3
2 21	9 18.91	+33 58.0	2.068	2.987	8.4	21.4
3 2	9 9.29	+33 43.7	2.126	2.988	11.1	21.6
3 12	9 1.92	+33 10.6	2.208	2.990	13.7	21.8

155445 1998 HL_{35} 2 9.9 312°.61 9°.3/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 1.45	+35 49.9	1.732	2.535	15.6	19.7
1 12	9 57.86	+37 12.4	1.653	2.521	13.0	19.5
1 22	9 50.89	+38 31.5	1.596	2.507	10.7	19.3
2 1	9 41.14	+39 36.0	1.563	2.494	9.4	19.2
2 11	9 29.86	+40 15.4	1.556	2.481	10.0	19.2
2 21	9 18.63	+40 23.5	1.573	2.469	12.2	19.3
3 2	9 9.07	+39 59.3	1.614	2.456	15.1	19.4
3 12	9 2.41	+39 6.8	1.674	2.445	17.8	19.6

373679 2002 QQ_{135} 2 9.9 98°.59 4°.0/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.83	+26 2.9	2.330	3.113	12.7	21.3
1 12	9 55.79	+26 43.2	2.261	3.129	9.9	21.1
1 22	9 48.55	+27 24.2	2.216	3.146	7.0	20.9
2 1	9 39.67	+28 0.4	2.199	3.162	4.6	20.8
2 11	9 30.07	+28 26.2	2.211	3.177	4.3	20.8
2 21	9 20.70	+28 38.1	2.253	3.193	6.6	21.0
3 2	9 12.52	+28 34.7	2.322	3.208	9.4	21.2
3 12	9 6.23	+28 16.9	2.416	3.223	11.9	21.4

246275 2007 TS_{46} 2 9.9 48°.95 5°.0/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.26	− 1 59.7	2.232	2.943	15.2	20.9
1 12	9 49.98	− 2 17.1	2.139	2.947	12.8	20.8
1 22	9 44.71	− 2 16.3	2.067	2.952	10.0	20.6
2 1	9 37.90	− 1 56.5	2.020	2.956	7.2	20.4
2 11	9 30.28	− 1 19.4	1.999	2.961	5.2	20.3
2 21	9 22.67	− 0 28.4	2.006	2.965	5.6	20.3
3 2	9 15.94	+ 0 31.3	2.042	2.970	8.1	20.5
3 12	9 10.80	+ 1 33.7	2.103	2.975	10.9	20.7

9382 Mihonoseki 2 9.9 91°.00 1°.9/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.48	+ 7 13.8	1.386	2.162	20.1	18.0
1 12	9 56.74	+ 7 29.6	1.318	2.179	16.1	17.8
1 22	9 49.86	+ 8 6.9	1.269	2.195	11.4	17.5
2 1	9 40.52	+ 9 2.4	1.242	2.212	6.1	17.3
2 11	9 29.98	+10 9.5	1.243	2.228	1.9	17.0
2 21	9 19.68	+11 19.3	1.270	2.243	5.9	17.3
3 2	9 11.07	+12 23.8	1.323	2.259	10.8	17.7
3 12	9 5.18	+13 16.8	1.400	2.274	15.2	18.0

468350 2016 EH_{113} 2 9.9 269°.20 7°.0/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 5.90	+32 48.4	2.010	2.796	14.3	21.3
1 12	10 0.75	+33 37.8	1.916	2.779	11.7	21.0
1 22	9 52.54	+34 24.9	1.845	2.762	9.1	20.8
2 1	9 41.86	+35 1.1	1.799	2.744	7.2	20.7
2 11	9 29.81	+35 18.2	1.781	2.726	7.4	20.7
2 21	9 17.78	+35 11.1	1.791	2.707	9.7	20.8
3 2	9 7.18	+34 38.9	1.827	2.689	12.7	20.9
3 12	8 59.13	+33 44.8	1.885	2.670	15.6	21.1

45274 2000 AN_{11} 2 9.9 37°.49 5°.4/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.86	+23 40.0	1.445	2.259	17.6	19.3
1 12	9 55.69	+24 45.0	1.380	2.267	13.8	19.1
1 22	9 49.26	+25 56.5	1.336	2.275	9.7	18.8
2 1	9 40.27	+27 4.8	1.316	2.284	6.1	18.7
2 11	9 30.01	+27 59.7	1.322	2.293	5.8	18.7
2 21	9 20.01	+28 33.7	1.354	2.302	9.1	18.9
3 2	9 11.76	+28 43.6	1.410	2.312	13.1	19.1
3 12	9 6.30	+28 30.8	1.488	2.322	16.7	19.4

402886 2007 RD_{320} 2 9.9 178°.21 0°.7/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	10 0.28	+10 22.3	2.075	2.831	14.9	22.8
1 12	9 55.70	+10 41.6	1.981	2.833	11.9	22.6
1 22	9 48.74	+11 14.0	1.910	2.835	8.3	22.3
2 1	9 39.91	+11 56.6	1.865	2.836	4.2	22.1
2 11	9 30.07	+12 44.8	1.850	2.836	0.7	21.8
2 21	9 20.23	+13 33.1	1.864	2.835	4.7	22.1
3 2	9 11.45	+14 16.7	1.908	2.834	8.7	22.4
3 12	9 4.60	+14 51.8	1.978	2.832	12.3	22.6

456974 2008 BY_{6} 2 9.9 347°.61 0°.1/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.91	+10 43.0	1.436	2.234	18.5	21.4
1 12	9 50.99	+11 16.4	1.352	2.229	14.7	21.1
1 22	9 46.12	+12 9.5	1.287	2.224	10.2	20.8
2 1	9 38.84	+13 18.2	1.246	2.220	5.0	20.5
2 11	9 30.19	+14 35.0	1.230	2.217	0.6	20.2
2 21	9 21.51	+15 50.5	1.241	2.214	6.1	20.6
3 2	9 14.21	+16 56.4	1.278	2.212	11.2	20.9
3 12	9 9.39	+17 46.8	1.336	2.211	15.7	21.1

241059 2006 SD_{136} 2 9.9 173°.08 1°.1/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 53.48	+14 22.0	2.496	3.267	12.3	20.4
1 12	9 50.03	+15 15.1	2.404	3.268	9.6	20.2
1 22	9 44.69	+16 18.4	2.336	3.269	6.5	20.0
2 1	9 37.89	+17 27.7	2.295	3.270	3.1	19.8
2 11	9 30.32	+18 37.7	2.285	3.270	1.3	19.7
2 21	9 22.73	+19 43.0	2.306	3.270	4.5	19.9
3 2	9 15.94	+20 39.1	2.356	3.270	7.9	20.1
3 12	9 10.64	+21 23.2	2.431	3.271	10.8	20.3

179939 2002 VK_{89} 2 9.9 61°.03 0°.2/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.34	+11 29.0	1.576	2.361	17.6	20.3
1 12	9 53.89	+12 8.4	1.511	2.381	13.9	20.1
1 22	9 47.69	+13 3.9	1.467	2.402	9.4	19.9
2 1	9 39.41	+14 10.3	1.448	2.422	4.5	19.6
2 11	9 30.15	+15 20.0	1.457	2.443	0.6	19.4
2 21	9 21.17	+16 25.1	1.493	2.464	5.6	19.8
3 2	9 13.65	+17 19.5	1.556	2.485	10.1	20.1
3 12	9 8.47	+17 59.3	1.643	2.506	13.9	20.4

136020 2002 VM_{81} 2 9.9 136°.50 1°.2/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 1.29	+ 8 13.1	1.769	2.527	17.0	20.8
1 12	9 56.77	+ 8 38.5	1.689	2.541	13.6	20.5
1 22	9 49.60	+ 9 21.2	1.630	2.554	9.5	20.3
2 1	9 40.35	+10 17.7	1.597	2.566	5.0	20.1
2 11	9 30.04	+11 22.4	1.592	2.578	1.2	19.8
2 21	9 19.86	+12 28.1	1.617	2.589	5.1	20.1
3 2	9 11.00	+13 28.4	1.669	2.599	9.5	20.4
3 12	9 4.38	+14 18.4	1.747	2.608	13.4	20.7

153946 2001 YS_{129} 2 9.9 121°.92 3°.6/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.35	+22 9.7	1.931	2.724	14.6	20.2
1 12	9 55.24	+22 55.1	1.851	2.727	11.4	20.0
1 22	9 48.55	+23 46.0	1.794	2.730	7.9	19.8
2 1	9 39.84	+24 36.0	1.763	2.733	4.5	19.6
2 11	9 30.10	+25 18.1	1.761	2.736	3.9	19.6
2 21	9 20.48	+25 46.8	1.787	2.739	6.9	19.8
3 2	9 12.12	+25 59.1	1.840	2.742	10.5	20.0
3 12	9 5.93	+25 54.7	1.917	2.745	13.8	20.2

463647 2013 TG_{136} 2 9.9 190°.99 6°.5/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.69	− 6 5.8	2.309	2.989	15.5	21.6
1 12	9 51.89	− 6 40.1	2.209	2.988	13.4	21.5
1 22	9 46.05	− 6 55.4	2.128	2.987	10.9	21.3
2 1	9 38.60	− 6 49.8	2.071	2.985	8.5	21.1
2 11	9 30.24	− 6 23.3	2.041	2.984	6.7	21.0
2 21	9 21.84	− 5 38.5	2.038	2.982	6.9	21.0
3 2	9 14.26	− 4 39.9	2.063	2.979	8.7	21.1
3 12	9 8.28	− 3 34.0	2.114	2.977	11.3	21.3

57253 2001 QT_{99} 2 9.9 1°.88 13°.1/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 57.85	+45 53.6	1.765	2.559	15.7	17.7
1 12	9 55.66	+48 28.3	1.720	2.558	14.1	17.6
1 22	9 49.77	+50 50.3	1.697	2.558	13.2	17.6
2 1	9 40.75	+52 46.0	1.698	2.558	13.2	17.6
2 11	9 29.98	+54 4.7	1.722	2.560	14.3	17.6
2 21	9 19.26	+54 41.3	1.766	2.562	15.9	17.7
3 2	9 10.47	+54 37.1	1.829	2.565	17.6	17.9
3 12	9 4.94	+53 58.0	1.906	2.569	19.3	18.0

407415 2010 TK_{94} 2 9.9 53°.60 6°.7/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 4.05	+29 24.4	1.600	2.403	16.6	21.4
1 12	9 59.54	+30 16.2	1.534	2.411	13.3	21.2
1 22	9 51.75	+31 7.4	1.490	2.419	9.8	21.0
2 1	9 41.44	+31 48.3	1.471	2.427	7.1	20.9
2 11	9 29.94	+32 10.2	1.478	2.436	7.1	20.9
2 21	9 18.81	+32 8.2	1.512	2.445	9.8	21.1
3 2	9 9.53	+31 41.9	1.570	2.454	13.1	21.3
3 12	9 3.10	+30 54.8	1.650	2.463	16.3	21.5

453253 2008 SK_{96} 2 9.9 154°.91 0°.0/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	10 2.61	+12 34.0	1.870	2.635	16.0	22.5
1 12	9 57.74	+12 54.4	1.785	2.644	12.7	22.3
1 22	9 50.23	+13 27.3	1.723	2.652	8.7	22.1
2 1	9 40.66	+14 8.9	1.686	2.659	4.2	21.8
2 11	9 30.03	+14 53.5	1.679	2.666	0.5	21.6
2 21	9 19.50	+15 35.3	1.701	2.671	5.2	21.9
3 2	9 10.24	+16 9.7	1.752	2.676	9.5	22.2
3 12	9 3.19	+16 33.6	1.828	2.680	13.3	22.4

337436 2001 RC_{40} 2 9.9 117°.77 0°.1/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.56	+12 3.7	2.647	3.403	12.0	22.1
1 12	9 51.37	+12 27.1	2.563	3.417	9.5	21.9
1 22	9 45.44	+12 59.6	2.504	3.431	6.5	21.8
2 1	9 38.20	+13 38.3	2.472	3.444	3.1	21.6
2 11	9 30.33	+14 19.6	2.471	3.457	0.3	21.3
2 21	9 22.55	+14 59.4	2.500	3.470	3.7	21.6
3 2	9 15.59	+15 34.5	2.559	3.483	6.9	21.9
3 12	9 10.06	+16 2.3	2.645	3.495	9.7	22.1

78947 2003 SD_{192} 2 9.9 84°.67 1°.3/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.14	+17 51.4	2.121	2.897	14.0	19.6
1 12	9 55.42	+18 1.0	2.042	2.908	10.9	19.5
1 22	9 48.41	+18 16.7	1.986	2.920	7.4	19.3
2 1	9 39.69	+18 34.6	1.957	2.931	3.6	19.0
2 11	9 30.15	+18 50.3	1.958	2.942	1.6	18.9
2 21	9 20.81	+19 0.1	1.988	2.953	5.0	19.2
3 2	9 12.65	+19 1.5	2.046	2.964	8.7	19.4
3 12	9 6.41	+18 53.6	2.130	2.975	11.9	19.6

401191 2011 WL_{125} 2 9.9 76°.65 0°.8/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 1.91	+11 48.1	1.559	2.338	18.1	21.1
1 12	9 57.50	+11 45.8	1.490	2.354	14.4	20.9
1 22	9 50.18	+11 57.0	1.441	2.371	9.9	20.7
2 1	9 40.64	+12 18.6	1.416	2.388	5.0	20.5
2 11	9 30.05	+12 45.4	1.419	2.405	0.8	20.2
2 21	9 19.76	+13 11.9	1.450	2.422	5.5	20.6
3 2	9 11.06	+13 33.5	1.507	2.439	10.1	20.9
3 12	9 4.87	+13 47.1	1.589	2.455	14.1	21.2

239690 2008 YC_{111} 2 9.9 24°.38 0°.7/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.75	+14 38.2	2.075	2.854	14.2	21.0
1 12	9 52.16	+14 59.2	1.988	2.856	11.2	20.8
1 22	9 46.32	+15 30.0	1.924	2.858	7.6	20.5
2 1	9 38.75	+16 6.9	1.885	2.860	3.6	20.3
2 11	9 30.27	+16 45.1	1.876	2.862	0.9	20.1
2 21	9 21.85	+17 19.6	1.895	2.864	4.9	20.4
3 2	9 14.48	+17 46.4	1.943	2.867	8.7	20.6
3 12	9 8.93	+18 3.2	2.015	2.869	12.1	20.8

79694 Nanrendong 2 9.9 104°.51 1°.2/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 1.64	+15 48.8	1.942	2.716	15.2	20.2
1 12	9 56.73	+16 18.4	1.872	2.737	11.9	20.0
1 22	9 49.36	+16 57.2	1.824	2.757	8.0	19.8
2 1	9 40.17	+17 40.4	1.803	2.777	3.8	19.6
2 11	9 30.12	+18 22.2	1.811	2.796	1.5	19.4
2 21	9 20.32	+18 57.3	1.849	2.815	5.3	19.7
3 2	9 11.84	+19 22.1	1.915	2.833	9.2	20.0
3 12	9 5.46	+19 34.9	2.007	2.851	12.6	20.2

436916 2012 TY_{95} 2 9.9 188°.71 4°.0/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.56	+26 38.4	2.559	3.342	11.7	21.3
1 12	9 54.03	+27 20.3	2.473	3.341	9.2	21.1
1 22	9 47.41	+28 3.2	2.412	3.341	6.6	20.9
2 1	9 39.22	+28 41.8	2.379	3.340	4.4	20.8
2 11	9 30.23	+29 10.9	2.376	3.339	4.3	20.8
2 21	9 21.31	+29 26.6	2.402	3.338	6.4	20.9
3 2	9 13.37	+29 27.4	2.455	3.337	9.1	21.1
3 12	9 7.12	+29 13.4	2.534	3.335	11.6	21.2

50406 2000 CK_{116} 2 9.9 165°.03 3°.1/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 2.27	+21 59.8	2.178	2.957	13.6	19.6
1 12	9 57.20	+22 38.5	2.094	2.962	10.7	19.4
1 22	9 49.72	+23 21.8	2.033	2.966	7.3	19.2
2 1	9 40.39	+24 4.1	2.001	2.970	4.1	19.0
2 11	9 30.10	+24 39.2	1.997	2.973	3.4	19.0
2 21	9 19.93	+25 2.5	2.024	2.976	6.2	19.2
3 2	9 10.93	+25 11.4	2.079	2.978	9.6	19.4
3 12	9 3.94	+25 5.9	2.159	2.980	12.7	19.6

20465 Vervack 2 9.9 240°.48 1°.9/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.15	+15 32.0	1.855	2.638	15.4	19.0
1 12	9 54.59	+16 26.9	1.756	2.627	12.2	18.8
1 22	9 48.36	+17 35.5	1.679	2.615	8.3	18.5
2 1	9 39.91	+18 52.4	1.628	2.603	4.1	18.2
2 11	9 30.14	+20 9.9	1.606	2.590	2.3	18.1
2 21	9 20.22	+21 19.8	1.613	2.576	6.3	18.3
3 2	9 11.38	+22 15.9	1.648	2.563	10.6	18.5
3 12	9 4.68	+22 54.7	1.706	2.549	14.5	18.7

451028 2008 WY_{70} 2 9.9 46°.12 0°.4/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 59.11	+13 28.9	1.276	2.080	20.0	21.4
1 12	9 55.97	+13 45.5	1.213	2.094	15.8	21.2
1 22	9 49.48	+14 18.0	1.169	2.108	10.8	20.9
2 1	9 40.41	+15 1.0	1.149	2.124	5.1	20.7
2 11	9 30.10	+15 46.7	1.153	2.139	0.9	20.4
2 21	9 20.14	+16 27.5	1.184	2.156	6.5	20.8
3 2	9 12.01	+16 57.3	1.239	2.172	11.7	21.2
3 12	9 6.77	+17 13.2	1.316	2.189	16.1	21.5

42741 1998 RW_{65} 2 9.9 142°.39 0°.3/10.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.44	+11 45.4	2.282	3.045	13.5	19.7
1 12	9 52.44	+12 2.4	2.193	3.049	10.7	19.5
1 22	9 46.38	+12 30.0	2.126	3.054	7.4	19.3
2 1	9 38.75	+13 5.4	2.086	3.058	3.6	19.1
2 11	9 30.30	+13 44.6	2.075	3.062	0.4	18.8
2 21	9 21.89	+14 23.1	2.095	3.066	4.2	19.1
3 2	9 14.43	+14 56.8	2.143	3.069	7.9	19.3
3 12	9 8.63	+15 23.0	2.218	3.073	11.1	19.6

288570 2004 HD_{37} 2 9.9 232°.46 3°.8/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 1.95	+20 34.5	1.671	2.465	16.4	21.6
1 12	9 57.95	+21 27.7	1.579	2.456	13.0	21.3
1 22	9 50.85	+22 30.7	1.509	2.446	9.0	21.0
2 1	9 41.18	+23 36.1	1.464	2.436	5.0	20.8
2 11	9 30.00	+24 34.8	1.447	2.425	4.2	20.7
2 21	9 18.73	+25 18.8	1.458	2.413	7.9	20.9
3 2	9 8.84	+25 43.3	1.496	2.401	12.2	21.1
3 12	9 1.51	+25 47.4	1.556	2.389	16.1	21.3

286036 2001 ST_{196} 2 9.9 193°.67 3°.0/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.73	+23 7.7	2.408	3.190	12.4	21.1
1 12	9 54.23	+23 36.6	2.320	3.189	9.7	20.9
1 22	9 47.60	+24 8.6	2.255	3.188	6.7	20.7
2 1	9 39.33	+24 38.6	2.219	3.188	3.9	20.5
2 11	9 30.24	+25 1.9	2.212	3.187	3.3	20.5
2 21	9 21.23	+25 14.7	2.235	3.186	5.8	20.6
3 2	9 13.22	+25 14.8	2.286	3.185	8.9	20.8
3 12	9 6.96	+25 2.1	2.362	3.184	11.7	21.0

461803 2005 YG_{14} 2 9.9 28°.70 1°.3/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.53	+14 56.6	1.872	2.658	15.2	21.4
1 12	9 52.29	+15 36.8	1.788	2.660	11.9	21.2
1 22	9 46.58	+16 29.0	1.726	2.662	8.1	21.0
2 1	9 38.94	+17 28.1	1.690	2.665	3.9	20.7
2 11	9 30.28	+18 27.7	1.682	2.667	1.6	20.6
2 21	9 21.66	+19 21.3	1.703	2.670	5.6	20.8
3 2	9 14.19	+20 3.7	1.751	2.672	9.7	21.1
3 12	9 8.75	+20 32.1	1.823	2.675	13.3	21.3

275334 2010 VE_{200} 2 9.9 98°.05 2°.4/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.63	+ 3 5.3	1.965	2.704	16.2	20.6
1 12	9 52.80	+ 3 43.5	1.888	2.724	13.1	20.4
1 22	9 46.72	+ 4 41.7	1.832	2.743	9.5	20.2
2 1	9 38.93	+ 5 57.5	1.801	2.763	5.5	20.0
2 11	9 30.29	+ 7 25.2	1.800	2.782	2.5	19.9
2 21	9 21.80	+ 8 57.6	1.828	2.800	4.6	20.0
3 2	9 14.41	+10 27.2	1.886	2.818	8.3	20.3
3 12	9 8.90	+11 47.9	1.969	2.836	11.8	20.6

29302 1993 TY_{34} 2 9.9 189°.76 1°.9/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.61	+18 1.1	2.194	2.970	13.6	20.7
1 12	9 55.14	+18 37.8	2.102	2.969	10.7	20.4
1 22	9 48.36	+19 22.4	2.034	2.968	7.2	20.2
2 1	9 39.77	+20 10.1	1.993	2.966	3.6	20.0
2 11	9 30.20	+20 55.0	1.981	2.963	2.2	19.9
2 21	9 20.65	+21 32.1	2.000	2.960	5.5	20.1
3 2	9 12.13	+21 57.7	2.047	2.957	9.1	20.3
3 12	9 5.48	+22 10.2	2.119	2.953	12.4	20.5

244714 2003 QF_{55} 2 9.9 148°.88 0°.1/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.73	+11 27.3	2.129	2.888	14.5	21.9
1 12	9 55.16	+12 6.7	2.044	2.899	11.4	21.7
1 22	9 48.32	+12 59.0	1.982	2.909	7.8	21.5
2 1	9 39.72	+14 0.2	1.946	2.919	3.8	21.2
2 11	9 30.22	+15 4.7	1.941	2.928	0.5	21.0
2 21	9 20.78	+16 6.4	1.967	2.936	4.7	21.3
3 2	9 12.42	+17 0.2	2.021	2.943	8.6	21.6
3 12	9 5.91	+17 42.8	2.102	2.950	11.9	21.8

105616 2000 RF_{102} 2 9.9 197°.79 2°.6/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 54.70	+ 3 47.8	3.080	3.796	11.3	20.2
1 12	9 50.54	+ 3 41.0	2.973	3.792	9.3	20.1
1 22	9 44.83	+ 3 45.1	2.889	3.789	6.9	19.9
2 1	9 37.95	+ 3 59.5	2.832	3.785	4.4	19.7
2 11	9 30.43	+ 4 22.6	2.805	3.780	2.6	19.6
2 21	9 22.88	+ 4 51.9	2.809	3.775	3.7	19.7
3 2	9 15.94	+ 5 24.4	2.843	3.770	6.1	19.8
3 12	9 10.17	+ 5 57.0	2.905	3.764	8.6	20.0

16677 1994 CT_{11} 2 9.9 117°.61 1°.2/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 57.82	+15 21.4	1.995	2.774	14.7	18.7
1 12	9 53.85	+15 58.1	1.914	2.782	11.5	18.5
1 22	9 47.52	+16 45.1	1.855	2.790	7.8	18.3
2 1	9 39.36	+17 37.8	1.823	2.797	3.7	18.1
2 11	9 30.26	+18 30.1	1.820	2.805	1.5	17.9
2 21	9 21.27	+19 16.2	1.846	2.812	5.3	18.2
3 2	9 13.41	+19 51.9	1.900	2.819	9.2	18.5
3 12	9 7.51	+20 14.8	1.979	2.826	12.6	18.7

308161 2005 BZ_{4} 2 9.9 39°.25 4°.0/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 58.29	+20 11.7	1.446	2.256	17.8	20.3
1 12	9 55.26	+21 12.8	1.375	2.261	13.9	20.1
1 22	9 49.03	+22 24.5	1.325	2.266	9.5	19.8
2 1	9 40.26	+23 38.0	1.299	2.272	5.3	19.6
2 11	9 30.17	+24 43.2	1.300	2.277	4.5	19.6
2 21	9 20.24	+25 31.7	1.327	2.283	8.3	19.8
3 2	9 11.95	+25 58.7	1.379	2.290	12.6	20.0
3 12	9 6.39	+26 3.8	1.453	2.296	16.5	20.3

296563 2009 QS_{35} 2 9.9 240°.69 0°.7/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.14	+15 34.7	1.959	2.735	15.0	21.2
1 12	9 55.85	+15 42.9	1.863	2.729	11.9	21.0
1 22	9 49.02	+15 59.9	1.790	2.722	8.1	20.7
2 1	9 40.16	+16 22.3	1.742	2.716	3.9	20.4
2 11	9 30.18	+16 45.1	1.723	2.709	1.0	20.2
2 21	9 20.19	+17 3.9	1.734	2.702	5.2	20.5
3 2	9 11.35	+17 15.1	1.772	2.695	9.5	20.7
3 12	9 4.57	+17 16.7	1.835	2.688	13.2	20.9

141602 2002 JT_{4} 2 9.9 273°.60 6°.6/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.01	+14 24.2	1.095	1.918	21.4	19.1
1 12	9 54.83	+17 39.3	1.017	1.913	16.8	18.7
1 22	9 49.75	+21 33.4	0.961	1.907	11.4	18.4
2 1	9 41.07	+25 48.5	0.930	1.902	7.0	18.2
2 11	9 30.03	+29 56.7	0.928	1.897	8.1	18.2
2 21	9 18.53	+33 30.5	0.952	1.891	13.2	18.4
3 2	9 8.80	+36 12.7	1.000	1.886	18.6	18.7
3 12	9 2.66	+38 0.2	1.066	1.881	23.2	19.0

432937 2011 UQ_{406} 2 9.9 176°.84 4°.7/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.89	+30 23.6	3.045	3.827	10.0	21.4
1 12	9 51.73	+31 31.9	2.965	3.828	8.0	21.2
1 22	9 45.78	+32 39.8	2.911	3.829	6.1	21.1
2 1	9 38.44	+33 41.8	2.885	3.830	4.8	21.0
2 11	9 30.38	+34 32.8	2.889	3.830	5.1	21.0
2 21	9 22.34	+35 9.1	2.923	3.831	6.7	21.2
3 2	9 15.08	+35 28.9	2.984	3.830	8.7	21.3
3 12	9 9.24	+35 32.5	3.069	3.830	10.7	21.4

456813 2007 TV_{363} 2 9.9 62°.84 1°.3/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.18	+ 9 12.0	1.487	2.266	18.8	21.9
1 12	9 55.47	+ 9 22.7	1.423	2.286	15.0	21.7
1 22	9 48.86	+ 9 51.0	1.378	2.307	10.4	21.5
2 1	9 40.05	+10 33.5	1.357	2.328	5.4	21.2
2 11	9 30.21	+11 24.1	1.362	2.348	1.3	21.0
2 21	9 20.68	+12 15.6	1.396	2.369	5.5	21.3
3 2	9 12.72	+13 1.8	1.455	2.390	10.1	21.7
3 12	9 7.27	+13 37.9	1.538	2.411	14.2	22.0

434414 2005 JT_{161} 2 9.9 252°.25 1°.4/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.73	+17 0.8	2.666	3.436	11.6	22.3
1 12	9 51.79	+17 34.8	2.556	3.420	9.1	22.1
1 22	9 45.95	+18 16.2	2.470	3.403	6.2	21.9
2 1	9 38.59	+19 1.5	2.412	3.385	3.0	21.7
2 11	9 30.37	+19 46.1	2.384	3.368	1.6	21.5
2 21	9 22.04	+20 25.7	2.387	3.349	4.6	21.7
3 2	9 14.42	+20 56.9	2.419	3.331	7.8	21.9
3 12	9 8.25	+21 17.6	2.478	3.312	10.8	22.0

322252 2011 CR_{116} 2 9.9 175°.17 1°.3/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.15	+ 8 10.0	2.039	2.799	15.0	21.3
1 12	9 51.75	+ 8 29.6	1.947	2.800	12.0	21.1
1 22	9 46.11	+ 9 4.2	1.876	2.800	8.5	20.9
2 1	9 38.71	+ 9 51.7	1.831	2.800	4.5	20.6
2 11	9 30.36	+10 47.3	1.815	2.800	1.3	20.4
2 21	9 22.00	+11 45.7	1.827	2.800	4.5	20.6
3 2	9 14.63	+12 41.1	1.868	2.800	8.5	20.9
3 12	9 9.07	+13 28.9	1.935	2.800	12.1	21.1

143156 2002 XC_{51} 2 9.9 116°.66 0°.2/ 9.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 0.24	+12 53.9	2.099	2.862	14.5	20.4
1 12	9 55.48	+13 20.0	2.023	2.881	11.4	20.2
1 22	9 48.48	+13 57.0	1.969	2.898	7.8	20.0
2 1	9 39.77	+14 40.9	1.943	2.916	3.7	19.8
2 11	9 30.25	+15 26.6	1.946	2.933	0.5	19.6
2 21	9 20.91	+16 9.0	1.980	2.949	4.6	19.9
3 2	9 12.72	+16 44.0	2.042	2.964	8.4	20.2
3 12	9 6.43	+17 9.2	2.130	2.979	11.7	20.4

74286 1998 SX_{132} 2 9.9 271°.22 0°.3/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 58.84	+13 56.4	1.746	2.528	16.3	18.5
1 12	9 55.12	+14 9.0	1.656	2.525	12.9	18.3
1 22	9 48.67	+14 33.3	1.588	2.522	8.9	18.0
2 1	9 40.04	+15 5.7	1.545	2.519	4.3	17.7
2 11	9 30.21	+15 40.8	1.530	2.516	0.7	17.4
2 21	9 20.41	+16 12.9	1.542	2.513	5.5	17.8
3 2	9 11.86	+16 37.2	1.583	2.510	10.0	18.0
3 12	9 5.56	+16 50.9	1.646	2.507	14.0	18.3

355838 2008 UQ_{42} 2 9.9 55°.02 6°.2/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 1.74	+25 13.0	1.375	2.189	18.3	20.7
1 12	9 58.22	+26 20.6	1.311	2.197	14.5	20.5
1 22	9 51.16	+27 33.3	1.267	2.205	10.3	20.3
2 1	9 41.32	+28 40.6	1.248	2.213	6.8	20.1
2 11	9 30.08	+29 31.3	1.254	2.221	6.7	20.1
2 21	9 19.14	+29 57.8	1.286	2.230	10.0	20.3
3 2	9 10.14	+29 57.8	1.341	2.238	14.0	20.6
3 12	9 4.21	+29 33.7	1.418	2.247	17.6	20.8

455476 2003 UK_{178} 2 9.9 91°.68 0°.7/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 2.13	+14 17.8	1.721	2.498	16.7	21.9
1 12	9 57.41	+14 42.8	1.654	2.520	13.1	21.7
1 22	9 49.99	+15 19.3	1.609	2.542	8.9	21.5
2 1	9 40.55	+16 2.5	1.589	2.563	4.2	21.2
2 11	9 30.18	+16 46.0	1.598	2.584	1.0	21.0
2 21	9 20.11	+17 23.8	1.636	2.605	5.5	21.4
3 2	9 11.53	+17 51.8	1.701	2.625	9.8	21.7
3 12	9 5.28	+18 7.8	1.791	2.645	13.4	22.0

457068 2008 EK_{49} 2 9.9 322°.79 5°.7/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.70	− 1 55.5	1.605	2.348	19.1	21.1
1 12	9 49.78	− 2 1.2	1.507	2.336	16.2	20.8
1 22	9 45.22	− 1 40.6	1.427	2.326	12.7	20.6
2 1	9 38.46	− 0 51.9	1.369	2.315	8.8	20.3
2 11	9 30.39	+ 0 22.7	1.336	2.306	6.0	20.1
2 21	9 22.16	+ 1 57.0	1.329	2.296	6.7	20.1
3 2	9 15.02	+ 3 41.5	1.348	2.287	10.3	20.3
3 12	9 10.06	+ 5 25.7	1.391	2.279	14.4	20.5

51460 2001 FQ_{43} 2 9.9 187°.63 1°.3/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 1.13	+ 8 56.7	1.751	2.512	17.1	20.1
1 12	9 56.89	+ 9 10.0	1.659	2.512	13.7	19.9
1 22	9 49.89	+ 9 39.5	1.587	2.512	9.7	19.6
2 1	9 40.65	+10 23.0	1.541	2.510	5.1	19.4
2 11	9 30.15	+11 15.1	1.522	2.508	1.3	19.1
2 21	9 19.62	+12 9.6	1.533	2.505	5.3	19.4
3 2	9 10.33	+13 0.2	1.572	2.502	9.9	19.6
3 12	9 3.31	+13 41.9	1.635	2.498	14.0	19.9

37436 2201 $P\text{–}L$ 2 9.9 169°.46 1°.3/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 55.85	+17 37.1	2.755	3.524	11.3	20.0
1 12	9 51.66	+18 3.8	2.663	3.527	8.8	19.9
1 22	9 45.71	+18 36.4	2.596	3.528	5.9	19.7
2 1	9 38.41	+19 11.3	2.557	3.530	2.9	19.5
2 11	9 30.42	+19 44.6	2.548	3.532	1.5	19.4
2 21	9 22.47	+20 12.7	2.570	3.533	4.3	19.6
3 2	9 15.31	+20 32.9	2.621	3.534	7.3	19.8
3 12	9 9.56	+20 43.7	2.699	3.534	10.0	19.9

244691 2003 QZ 2 9.9 216°.65 2°.5/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 59.97	+ 5 59.4	2.112	2.850	15.2	21.7
1 12	9 55.56	+ 5 57.8	2.005	2.841	12.4	21.5
1 22	9 48.78	+ 6 11.0	1.919	2.832	9.0	21.3
2 1	9 40.07	+ 6 38.2	1.859	2.822	5.3	21.0
2 11	9 30.23	+ 7 16.4	1.829	2.810	2.5	20.8
2 21	9 20.26	+ 8 1.1	1.828	2.798	4.8	21.0
3 2	9 11.23	+ 8 47.4	1.856	2.786	8.7	21.2
3 12	9 4.03	+ 9 30.2	1.910	2.772	12.3	21.4

189307 2005 YW_{130} 2 9.9 146°.16 0°.8/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.70	+14 10.0	2.222	2.993	13.6	20.9
1 12	9 52.76	+14 47.0	2.136	2.999	10.7	20.7
1 22	9 46.68	+15 34.3	2.072	3.004	7.2	20.5
2 1	9 38.95	+16 28.0	2.035	3.009	3.4	20.3
2 11	9 30.37	+17 22.6	2.028	3.014	1.1	20.1
2 21	9 21.83	+18 12.8	2.051	3.018	4.7	20.4
3 2	9 14.27	+18 54.4	2.103	3.022	8.4	20.6
3 12	9 8.44	+19 24.7	2.180	3.026	11.6	20.8

473002 2015 HK_{35} 2 9.9 342°.64 4°.2/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 51.34	− 1 2.8	2.298	3.016	14.7	20.6
1 12	9 48.52	− 0 59.8	2.198	3.013	12.3	20.4
1 22	9 43.79	− 0 38.2	2.119	3.011	9.5	20.2
2 1	9 37.57	+ 0 2.1	2.065	3.008	6.5	20.1
2 11	9 30.52	+ 0 58.7	2.037	3.006	4.4	19.9
2 21	9 23.44	+ 2 7.3	2.039	3.004	5.0	20.0
3 2	9 17.15	+ 3 22.3	2.069	3.002	7.7	20.1
3 12	9 12.37	+ 4 37.5	2.126	3.000	10.7	20.3

90213 2003 AH_{81} 2 9.9 359°.59 10°.3/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 59.93	+35 25.6	1.512	2.326	16.9	18.6
1 12	9 57.04	+37 10.7	1.450	2.324	14.1	18.4
1 22	9 50.54	+38 52.1	1.409	2.323	11.6	18.3
2 1	9 41.10	+40 16.6	1.392	2.323	10.3	18.2
2 11	9 30.12	+41 12.2	1.399	2.323	11.1	18.2
2 21	9 19.35	+41 32.3	1.431	2.324	13.4	18.4
3 2	9 10.50	+41 16.4	1.483	2.325	16.2	18.6
3 12	9 4.79	+40 29.7	1.554	2.327	18.9	18.8

492663 2014 PQ_{8} 2 9.9 282°.93 0°.1/10.1 18

1 2	9 55.96	+10 23.2	1.504	2.292	18.2	21.3
1 12	9 53.50	+10 59.4	1.406	2.277	14.6	21.0
1 22	9 48.02	+11 56.2	1.327	2.261	10.2	20.7
2 1	9 39.94	+13 10.1	1.272	2.246	5.1	20.4
2 11	9 30.25	+14 33.7	1.243	2.230	0.5	20.0
2 21	9 20.31	+15 57.5	1.242	2.214	6.2	20.4
3 2	9 11.61	+17 12.3	1.267	2.199	11.6	20.6
3 12	9 5.41	+18 11.5	1.314	2.183	16.3	20.9

177626 2004 JH_{5} 2 9.9 181°.66 1°.5/11.6 17

1 2	9 53.91	+ 7 10.0	2.975	3.710	11.3	21.8
1 12	9 49.99	+ 7 19.4	2.874	3.710	9.1	21.6
1 22	9 44.51	+ 7 39.1	2.796	3.710	6.5	21.5
2 1	9 37.83	+ 8 7.8	2.746	3.710	3.7	21.3
2 11	9 30.52	+ 8 42.9	2.727	3.710	1.5	21.1
2 21	9 23.21	+ 9 21.2	2.738	3.709	3.3	21.3
3 2	9 16.55	+ 9 59.5	2.779	3.708	6.2	21.4
3 12	9 11.10	+10 34.7	2.848	3.706	8.8	21.6

432140 2009 BP_{84} 2 9.9 49°.71 0°.1/ 9.9 18

1 2	9 54.68	+12 27.7	2.095	2.868	14.2	21.4
1 12	9 51.25	+12 52.9	2.014	2.878	11.2	21.2
1 22	9 45.68	+13 29.6	1.955	2.887	7.6	21.0
2 1	9 38.47	+14 14.1	1.923	2.896	3.7	20.8
2 11	9 30.45	+15 1.7	1.920	2.906	0.5	20.5
2 21	9 22.52	+15 47.0	1.945	2.916	4.5	20.9
3 2	9 15.62	+16 25.8	1.999	2.926	8.3	21.1
3 12	9 10.47	+16 54.9	2.079	2.936	11.6	21.3

362112 2009 CT_{47} 2 9.9 292°.40 5°.9/ 6.9 18

1 2	10 5.23	+27 20.1	1.564	2.366	17.0	20.4
1 12	10 0.97	+27 53.0	1.471	2.348	13.7	20.2
1 22	9 53.19	+28 27.7	1.399	2.331	10.0	19.9
2 1	9 42.44	+28 55.3	1.351	2.314	6.7	19.7
2 11	9 30.00	+29 6.6	1.329	2.297	6.3	19.6
2 21	9 17.51	+28 55.6	1.335	2.280	9.5	19.7
3 2	9 6.71	+28 20.5	1.365	2.264	13.7	19.9
3 12	8 58.90	+27 24.3	1.417	2.247	17.6	20.1

411828 2012 DA_{47} 2 9.9 357°.42 6°.7/15.5 18

1 2	9 50.87	− 5 21.4	1.567	2.296	20.0	20.6
1 12	9 49.11	− 5 20.8	1.478	2.294	17.1	20.4
1 22	9 44.73	− 4 49.9	1.406	2.292	13.7	20.1
2 1	9 38.21	− 3 46.5	1.355	2.291	10.0	19.9
2 11	9 30.48	− 2 13.2	1.328	2.291	7.1	19.7
2 21	9 22.69	− 0 17.1	1.327	2.291	7.3	19.7
3 2	9 16.08	+ 1 50.5	1.353	2.292	10.3	19.9
3 12	9 11.65	+ 3 57.7	1.403	2.293	14.1	20.1

9581 1990 DM_{3} 2 10.0 221°.20 1°.9/ 8.8 18

1 2	10 2.82	+17 12.7	1.766	2.548	16.2	18.5
1 12	9 58.39	+17 40.7	1.671	2.540	12.8	18.3
1 22	9 51.03	+18 19.0	1.597	2.532	8.8	18.0
2 1	9 41.28	+19 2.3	1.549	2.523	4.3	17.7
2 11	9 30.15	+19 43.8	1.529	2.513	2.2	17.6
2 21	9 18.94	+20 17.0	1.538	2.503	6.3	17.8
3 2	9 9.02	+20 37.5	1.575	2.492	10.9	18.1
3 12	9 1.50	+20 43.5	1.635	2.481	14.9	18.3

343620 2010 GY_{138} 2 10.0 347°.12 3°.9/ 6.3 18

1 2	9 54.44	+22 38.2	2.205	3.000	12.9	20.3
1 12	9 51.22	+23 48.5	2.121	2.998	10.1	20.1
1 22	9 45.78	+25 4.7	2.062	2.997	7.0	19.9
2 1	9 38.59	+26 20.6	2.029	2.996	4.4	19.7
2 11	9 30.46	+27 28.8	2.026	2.995	4.3	19.7
2 21	9 22.33	+28 23.5	2.051	2.994	6.9	19.9
3 2	9 15.19	+29 0.8	2.103	2.993	10.0	20.0
3 12	9 9.84	+29 19.9	2.180	2.993	12.8	20.2

425118 2009 SM_{175} 2 10.0 87°.93 0°.1/ 9.9 18

1 2	9 58.05	+11 10.4	2.046	2.811	14.8	21.2
1 12	9 53.80	+11 53.9	1.978	2.836	11.6	21.1
1 22	9 47.35	+12 50.3	1.932	2.861	7.9	20.9
2 1	9 39.25	+13 55.3	1.913	2.886	3.8	20.7
2 11	9 30.40	+15 2.9	1.924	2.910	0.5	20.4
2 21	9 21.76	+16 6.8	1.964	2.934	4.6	20.8
3 2	9 14.26	+17 2.0	2.034	2.958	8.4	21.1
3 12	9 8.63	+17 45.5	2.129	2.981	11.7	21.3

57105 2001 OJ_{72} 2 10.0 105°.61 0°.9/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	10 3.11	+14 10.0	1.652	2.430	17.3	19.8
1 12	9 58.36	+14 41.7	1.584	2.450	13.5	19.6
1 22	9 50.76	+15 26.0	1.537	2.470	9.2	19.4
2 1	9 40.99	+16 17.5	1.515	2.489	4.4	19.2
2 11	9 30.20	+17 9.2	1.522	2.508	1.2	19.0
2 21	9 19.71	+17 54.4	1.557	2.526	5.8	19.3
3 2	9 10.75	+18 28.3	1.620	2.543	10.2	19.6
3 12	9 4.25	+18 48.7	1.707	2.560	14.0	19.9

160730 2000 QQ_{209} 2 10.0 209°.79 0°.3/10.2 18

1 2	10 1.10	+11 55.2	1.945	2.709	15.5	21.3
1 12	9 56.67	+12 9.7	1.846	2.703	12.4	21.0
1 22	9 49.65	+12 36.9	1.769	2.697	8.6	20.8
2 1	9 40.55	+13 13.5	1.718	2.690	4.3	20.5
2 11	9 30.24	+13 54.8	1.696	2.682	0.5	20.2
2 21	9 19.87	+14 35.3	1.703	2.674	5.0	20.5
3 2	9 10.59	+15 10.1	1.739	2.665	9.4	20.8
3 12	9 3.39	+15 35.7	1.800	2.655	13.3	21.0

87701 2000 SK_{19} 2 10.0 202°.77 4°.6/14.6 18

1 2	9 53.03	− 2 43.3	2.675	3.369	13.3	20.3
1 12	9 49.54	− 2 54.7	2.571	3.367	11.3	20.2
1 22	9 44.34	− 2 50.1	2.489	3.365	8.9	20.0
2 1	9 37.81	− 2 29.0	2.432	3.363	6.4	19.9
2 11	9 30.56	− 1 52.6	2.402	3.361	4.7	19.7
2 21	9 23.28	− 1 3.9	2.402	3.358	5.1	19.8
3 2	9 16.68	− 0 6.9	2.431	3.356	7.1	19.9
3 12	9 11.40	+ 0 53.1	2.486	3.353	9.7	20.0

411332 2010 UA_{37} 2 10.0 125°.49 5°.0/ 5.9 18

1 2	10 3.07	+26 58.8	2.160	2.944	13.5	21.0
1 12	9 57.88	+28 1.1	2.092	2.960	10.7	20.8
1 22	9 50.22	+29 4.5	2.048	2.975	7.7	20.7
2 1	9 40.68	+30 1.8	2.032	2.990	5.3	20.6
2 11	9 30.26	+30 46.0	2.045	3.005	5.3	20.6
2 21	9 20.06	+31 12.5	2.087	3.018	7.6	20.7
3 2	9 11.15	+31 19.6	2.157	3.031	10.5	20.9
3 12	9 4.37	+31 8.4	2.250	3.044	13.1	21.1

133538 2003 TW_{10} 2 10.0 173°.83 4°.0/ 6.8 18

1 2	10 0.74	+25 30.9	2.277	3.061	12.9	20.4
1 12	9 56.00	+26 8.5	2.193	3.062	10.2	20.2
1 22	9 48.93	+26 48.0	2.133	3.063	7.2	20.0
2 1	9 40.08	+27 23.5	2.100	3.064	4.6	19.8
2 11	9 30.32	+27 49.2	2.096	3.065	4.3	19.8
2 21	9 20.68	+28 1.1	2.122	3.065	6.7	20.0
3 2	9 12.16	+27 57.5	2.176	3.065	9.7	20.2
3 12	9 5.57	+27 38.7	2.253	3.065	12.5	20.3

265767 2005 WX_{20} 2 10.0 235°.69 3°.7/12.6 17

1 2	9 57.34	+ 3 44.1	2.037	2.775	15.7	20.5
1 12	9 53.51	+ 3 21.7	1.939	2.771	13.0	20.3
1 22	9 47.37	+ 3 14.6	1.861	2.767	9.7	20.1
2 1	9 39.40	+ 3 22.9	1.808	2.763	6.2	19.9
2 11	9 30.39	+ 3 44.9	1.783	2.759	3.8	19.7
2 21	9 21.34	+ 4 17.1	1.787	2.755	5.2	19.8
3 2	9 13.27	+ 4 54.7	1.818	2.750	8.7	20.0
3 12	9 7.03	+ 5 32.7	1.875	2.746	12.1	20.2

426949 2013 YY_{23} 2 10.0 30°.71 3°.3/ 7.4 18

1 2	9 55.88	+21 9.8	1.985	2.780	14.1	20.6
1 12	9 52.47	+21 59.2	1.908	2.785	11.0	20.4
1 22	9 46.67	+22 54.9	1.854	2.791	7.6	20.2
2 1	9 39.03	+23 50.8	1.826	2.797	4.3	20.0
2 11	9 30.44	+24 40.2	1.826	2.803	3.6	20.0
2 21	9 21.97	+25 17.3	1.855	2.809	6.6	20.2
3 2	9 14.66	+25 39.0	1.911	2.816	10.0	20.4
3 12	9 9.33	+25 44.3	1.991	2.823	13.2	20.6

380334 2002 PZ_{87} 2 10.0 119°.72 1°.0/11.0 18

1 2	9 55.52	+ 8 12.7	2.655	3.397	12.3	21.8
1 12	9 51.36	+ 8 40.2	2.571	3.414	9.8	21.7
1 22	9 45.48	+ 9 19.3	2.511	3.430	6.9	21.5
2 1	9 38.32	+10 7.6	2.479	3.446	3.6	21.3
2 11	9 30.53	+11 1.1	2.477	3.462	1.0	21.1
2 21	9 22.82	+11 55.8	2.506	3.477	3.6	21.3
3 2	9 15.92	+12 47.4	2.565	3.492	6.7	21.6
3 12	9 10.42	+13 32.6	2.651	3.506	9.5	21.8

258108 2001 QU_{200} 2 10.0 144°.45 0°.3/10.3 18

1 2	10 0.22	+11 58.4	2.481	3.230	12.9	21.5
1 12	9 55.16	+12 12.6	2.394	3.243	10.2	21.3
1 22	9 48.14	+12 36.2	2.331	3.256	7.0	21.1
2 1	9 39.63	+13 6.3	2.296	3.267	3.5	20.9
2 11	9 30.39	+13 39.3	2.291	3.278	0.4	20.7
2 21	9 21.24	+14 11.2	2.318	3.288	4.0	21.0
3 2	9 13.04	+14 38.8	2.375	3.297	7.4	21.2
3 12	9 6.46	+14 59.5	2.458	3.306	10.4	21.4