266448 2007 HV_{94} 2 28.9 144°.14 0°.5/29.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 8.89	+ 3 43.1	2.139	2.913	14.0	21.5
2 1	11 4.85	+ 4 10.7	2.053	2.919	11.0	21.3
2 11	10 58.78	+ 4 52.3	1.989	2.925	7.5	21.1
2 21	10 51.19	+ 5 44.4	1.953	2.931	3.5	20.8
3 2	10 42.86	+ 6 42.0	1.945	2.936	0.8	20.6
3 12	10 34.70	+ 7 39.2	1.968	2.941	4.8	20.9
3 22	10 27.57	+ 8 30.2	2.018	2.946	8.6	21.2
4 1	10 22.16	+ 9 11.1	2.094	2.950	11.9	21.4

501083 2013 SJ_{57} 2 28.9 109°.14 1°.9/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.68	+10 29.2	1.971	2.772	14.1	21.9
2 1	11 4.91	+11 12.1	1.890	2.774	10.9	21.7
2 11	10 58.93	+12 5.4	1.831	2.777	7.1	21.5
2 21	10 51.29	+13 3.6	1.799	2.779	3.3	21.2
3 2	10 42.84	+14 0.2	1.796	2.782	2.5	21.2
3 12	10 34.58	+14 48.6	1.821	2.784	6.2	21.4
3 22	10 27.46	+15 24.1	1.873	2.787	10.0	21.6
4 1	10 22.21	+15 44.0	1.949	2.789	13.3	21.9

258890 2002 QH_{64} 2 28.9 286°.48 0°.6/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 15.27	+ 8 45.1	1.711	2.503	16.2	21.1
2 1	11 10.89	+ 8 43.9	1.594	2.472	12.9	20.8
2 11	11 3.56	+ 8 53.6	1.498	2.440	8.8	20.5
2 21	10 53.68	+ 9 10.8	1.428	2.408	4.0	20.2
3 2	10 42.17	+ 9 30.5	1.386	2.376	1.4	19.9
3 12	10 30.39	+ 9 46.7	1.371	2.343	6.7	20.1
3 22	10 19.74	+ 9 54.3	1.384	2.310	11.8	20.3
4 1	10 11.45	+ 9 49.8	1.420	2.276	16.5	20.5

23028 1999 XV_{3} 2 28.9 147°.09 0°.6/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.29	+ 7 32.6	2.648	3.430	11.4	19.1
2 1	11 1.70	+ 8 6.4	2.557	3.432	8.8	18.9
2 11	10 56.51	+ 8 49.6	2.492	3.433	5.8	18.7
2 21	10 50.12	+ 9 38.7	2.454	3.434	2.6	18.5
3 2	10 43.14	+10 29.2	2.446	3.435	1.1	18.4
3 12	10 36.29	+11 16.6	2.468	3.436	4.4	18.6
3 22	10 30.21	+11 56.8	2.518	3.437	7.5	18.8
4 1	10 25.46	+12 26.9	2.595	3.438	10.3	19.0

351564 2005 UJ_{143} 2 28.9 169°.16 4°.5/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 15.43	+16 29.1	1.764	2.571	15.2	20.9
2 1	11 10.48	+17 31.7	1.688	2.576	11.8	20.7
2 11	11 2.82	+18 41.1	1.636	2.579	8.0	20.5
2 21	10 53.11	+19 49.2	1.609	2.582	4.9	20.3
3 2	10 42.39	+20 47.1	1.611	2.585	5.2	20.3
3 12	10 31.96	+21 27.4	1.642	2.586	8.6	20.5
3 22	10 23.00	+21 46.6	1.698	2.587	12.3	20.7
4 1	10 16.38	+21 44.3	1.776	2.587	15.6	21.0

489719 2007 VH_{253} 2 28.9 173°.46 7°.8/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.74	+27 9.3	2.011	2.821	13.5	21.4
2 1	11 9.82	+28 48.6	1.946	2.824	10.9	21.3
2 11	11 2.31	+30 25.9	1.905	2.827	8.7	21.1
2 21	10 52.86	+31 51.2	1.891	2.829	7.8	21.1
3 2	10 42.45	+32 55.3	1.905	2.830	8.8	21.2
3 12	10 32.33	+33 32.5	1.945	2.831	11.0	21.3
3 22	10 23.59	+33 41.4	2.009	2.831	13.6	21.5
4 1	10 17.10	+33 24.1	2.094	2.830	16.0	21.6

7843 1994 YE_{1} 2 28.9 117°.22 5°.9/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.71	− 8 54.7	1.942	2.659	17.1	17.2
2 1	11 7.31	− 9 32.5	1.856	2.668	14.4	17.0
2 11	11 0.57	− 9 49.5	1.790	2.678	11.3	16.8
2 21	10 52.07	− 9 44.3	1.748	2.687	8.2	16.6
3 2	10 42.65	− 9 18.0	1.731	2.696	6.1	16.5
3 12	10 33.41	− 8 34.9	1.743	2.705	6.6	16.6
3 22	10 25.34	− 7 41.1	1.782	2.713	9.3	16.7
4 1	10 19.26	− 6 44.0	1.846	2.721	12.3	16.9

278657 2008 RX_{53} 2 28.9 233°.27 2°.3/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.32	− 0 39.4	2.068	2.828	14.9	21.1
2 1	11 4.58	− 0 37.8	1.972	2.825	12.0	20.9
2 11	10 58.72	− 0 19.9	1.898	2.822	8.6	20.6
2 21	10 51.22	+ 0 12.8	1.849	2.819	4.9	20.4
3 2	10 42.86	+ 0 57.0	1.829	2.815	2.3	20.2
3 12	10 34.59	+ 1 47.2	1.837	2.812	4.8	20.4
3 22	10 27.33	+ 2 37.5	1.873	2.809	8.6	20.6
4 1	10 21.82	+ 3 22.6	1.934	2.805	12.1	20.8

345079 2005 JW_{146} 2 28.9 162°.46 4°.4/23.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.94	+19 53.5	2.608	3.415	10.8	21.0
2 1	11 3.10	+21 16.4	2.532	3.419	8.4	20.9
2 11	10 57.50	+22 42.4	2.483	3.422	6.0	20.7
2 21	10 50.59	+24 4.9	2.463	3.425	4.5	20.6
3 2	10 43.03	+25 17.4	2.472	3.427	5.2	20.7
3 12	10 35.61	+26 14.6	2.510	3.430	7.4	20.8
3 22	10 29.06	+26 53.6	2.576	3.432	9.8	21.0
4 1	10 23.97	+27 13.7	2.664	3.434	12.1	21.1

250116 2002 LH_{28} 2 28.9 243°.95 0°.9/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 9.61	+ 2 22.4	1.911	2.685	15.4	21.2
2 1	11 5.89	+ 2 49.1	1.806	2.672	12.3	21.0
2 11	10 59.80	+ 3 33.5	1.724	2.658	8.5	20.7
2 21	10 51.80	+ 4 32.8	1.667	2.644	4.2	20.4
3 2	10 42.70	+ 5 41.5	1.639	2.629	1.0	20.1
3 12	10 33.59	+ 6 52.5	1.639	2.614	5.4	20.4
3 22	10 25.52	+ 7 58.2	1.667	2.598	9.8	20.6
4 1	10 19.39	+ 8 52.8	1.720	2.582	13.8	20.8

406501 2007 VW_{102} 2 28.9 225°.46 0°.3/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.39	+ 5 42.7	1.930	2.712	15.0	22.8
2 1	11 7.23	+ 6 16.5	1.829	2.702	11.8	22.6
2 11	11 0.66	+ 7 5.5	1.752	2.691	8.0	22.3
2 21	10 52.17	+ 8 5.5	1.700	2.680	3.6	22.0
3 2	10 42.62	+ 9 10.5	1.678	2.668	1.1	21.8
3 12	10 33.08	+10 13.2	1.685	2.655	5.7	22.1
3 22	10 24.64	+11 6.9	1.719	2.642	10.1	22.3
4 1	10 18.18	+11 47.1	1.778	2.628	13.9	22.5

229737 Porthos 2 28.9 152°.27 0°.7/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.29	+ 2 8.7	2.164	2.935	14.0	20.9
2 1	11 3.62	+ 2 43.6	2.075	2.939	11.0	20.7
2 11	10 57.98	+ 3 34.2	2.009	2.942	7.6	20.5
2 21	10 50.85	+ 4 37.0	1.969	2.946	3.7	20.3
3 2	10 42.98	+ 5 46.9	1.959	2.949	0.9	20.1
3 12	10 35.25	+ 6 57.3	1.978	2.952	4.6	20.3
3 22	10 28.49	+ 8 2.1	2.025	2.955	8.4	20.6
4 1	10 23.39	+ 8 56.4	2.098	2.957	11.8	20.8

176012 2000 RM_{102} 2 28.9 193°.65 3°.0/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.43	− 5 49.1	3.154	3.864	11.2	20.8
2 1	11 2.34	− 5 49.6	3.047	3.862	9.3	20.7
2 11	10 56.83	− 5 36.9	2.963	3.859	7.0	20.5
2 21	10 50.26	− 5 11.5	2.905	3.856	4.7	20.3
3 2	10 43.13	− 4 35.1	2.877	3.852	3.1	20.2
3 12	10 36.05	− 3 51.0	2.880	3.848	3.9	20.3
3 22	10 29.59	− 3 3.0	2.912	3.843	6.1	20.4
4 1	10 24.26	− 2 15.0	2.972	3.838	8.5	20.6

204857 2007 RM_{156} 2 28.9 270°.55 0°.6/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.88	+ 4 22.7	1.607	2.399	17.1	21.2
2 1	11 7.40	+ 4 36.1	1.506	2.382	13.7	21.0
2 11	11 1.11	+ 5 6.9	1.426	2.366	9.4	20.7
2 21	10 52.50	+ 5 52.1	1.371	2.349	4.5	20.3
3 2	10 42.53	+ 6 46.1	1.342	2.332	1.0	20.0
3 12	10 32.51	+ 7 41.0	1.340	2.315	6.3	20.3
3 22	10 23.75	+ 8 29.3	1.365	2.298	11.3	20.6
4 1	10 17.33	+ 9 5.1	1.412	2.280	15.9	20.8

67003 1999 XU_{118} 2 29.0 195°.28 3°.4/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.47	− 5 7.8	2.489	3.214	13.5	19.4
2 1	11 4.33	− 5 12.3	2.386	3.212	11.2	19.2
2 11	10 58.37	− 5 0.8	2.306	3.209	8.4	19.0
2 21	10 51.03	− 4 33.7	2.251	3.206	5.5	18.8
3 2	10 42.94	− 3 53.1	2.225	3.203	3.5	18.7
3 12	10 34.92	− 3 3.3	2.229	3.199	4.6	18.8
3 22	10 27.72	− 2 9.2	2.261	3.195	7.4	18.9
4 1	10 21.99	− 1 16.1	2.321	3.190	10.4	19.1

285877 2001 OY_{15} 2 29.0 149°.45 1°.2/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.25	+ 9 42.4	2.513	3.291	12.0	21.9
2 1	11 7.08	+10 18.0	2.431	3.303	9.3	21.7
2 11	11 0.07	+11 1.6	2.374	3.315	6.1	21.6
2 21	10 51.74	+11 49.1	2.346	3.325	2.7	21.3
3 2	10 42.79	+12 35.7	2.348	3.335	1.7	21.3
3 12	10 34.04	+13 16.4	2.381	3.345	4.9	21.5
3 22	10 26.26	+13 47.9	2.444	3.353	8.2	21.7
4 1	10 20.05	+14 7.8	2.532	3.361	11.0	21.9

269376 2009 DP_{57} 2 29.0 262°.50 1°.4/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.45	+11 14.0	2.589	3.374	11.5	20.9
2 1	11 5.08	+11 33.7	2.482	3.358	8.9	20.7
2 11	10 58.88	+12 0.1	2.399	3.342	5.9	20.5
2 21	10 51.27	+12 29.9	2.345	3.325	2.7	20.2
3 2	10 42.89	+12 58.6	2.321	3.308	1.9	20.2
3 12	10 34.55	+13 22.2	2.327	3.290	5.0	20.3
3 22	10 27.00	+13 37.5	2.361	3.273	8.3	20.5
4 1	10 20.91	+13 42.2	2.421	3.255	11.3	20.7

316712 1997 SD_{3} 2 29.0 125°.23 1°.2/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.59	+ 9 39.0	2.117	2.901	13.8	21.4
2 1	11 8.41	+10 2.7	2.041	2.916	10.7	21.2
2 11	11 1.09	+10 35.2	1.988	2.930	7.0	21.0
2 21	10 52.23	+11 12.3	1.964	2.944	3.1	20.8
3 2	10 42.67	+11 48.6	1.968	2.957	1.7	20.7
3 12	10 33.41	+12 18.9	2.003	2.969	5.4	21.0
3 22	10 25.34	+12 39.8	2.066	2.982	9.1	21.3
4 1	10 19.14	+12 48.9	2.154	2.993	12.3	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
423249 2004 TA_{154}			2 29.0 108°82	1°2/ 1.2 18		
	h m	° ′			°	m
1 22	11 7.99	+ 1 25.7	2.052	2.822	14.6	21.7
2 1	11 4.24	+ 1 47.8	1.968	2.830	11.6	21.5
2 11	10 58.43	+ 2 25.9	1.906	2.837	8.0	21.3
2 21	10 51.07	+ 3 17.0	1.870	2.845	4.1	21.1
3 2	10 42.96	+ 4 16.3	1.862	2.852	1.3	20.9
3 12	10 35.04	+ 5 17.5	1.884	2.859	4.7	21.2
3 22	10 28.18	+ 6 14.5	1.934	2.866	8.5	21.4
4 1	10 23.07	+ 7 2.4	2.009	2.873	12.0	21.6
405353 2003 WY_{27}			2 29.0 94°09	3°2/ 2.6 18		
1 22	11 11.51	− 1 59.9	1.696	2.458	17.5	21.2
2 1	11 7.38	− 2 6.9	1.619	2.471	14.2	21.0
2 11	11 0.72	− 1 53.8	1.562	2.484	10.3	20.8
2 21	10 52.17	− 1 22.1	1.529	2.496	6.1	20.6
3 2	10 42.71	− 0 35.9	1.524	2.509	3.2	20.4
3 12	10 33.54	+ 0 18.4	1.546	2.521	5.6	20.6
3 22	10 25.73	+ 1 13.4	1.595	2.533	9.6	20.9
4 1	10 20.11	+ 2 2.7	1.668	2.545	13.4	21.1
202453 2005 YE_{155}			2 29.0 21°44	5°3/25.2 18		
1 22	11 7.75	+14 21.8	1.157	2.001	19.2	19.8
2 1	11 5.60	+15 38.5	1.097	2.005	14.8	19.5
2 11	11 0.12	+17 8.3	1.057	2.011	9.9	19.3
2 21	10 52.05	+18 39.6	1.040	2.018	5.8	19.1
3 2	10 42.75	+19 58.9	1.047	2.025	6.3	19.1
3 12	10 33.91	+20 54.9	1.078	2.033	10.6	19.4
3 22	10 27.01	+21 22.2	1.131	2.042	15.3	19.7
4 1	10 23.04	+21 20.3	1.203	2.052	19.3	19.9
354032 2001 RA_{55}			2 29.0 154°52	0°6/28.6 18		
1 22	11 16.06	+ 7 38.2	1.808	2.592	15.8	22.0
2 1	11 10.81	+ 7 55.5	1.727	2.600	12.4	21.8
2 11	11 2.97	+ 8 24.9	1.667	2.607	8.3	21.6
2 21	10 53.20	+ 9 2.1	1.634	2.614	3.7	21.3
3 2	10 42.47	+ 9 41.2	1.630	2.620	1.3	21.1
3 12	10 32.02	+10 16.0	1.655	2.625	5.9	21.5
3 22	10 22.96	+10 41.6	1.708	2.630	10.2	21.7
4 1	10 16.13	+10 55.1	1.784	2.633	14.0	22.0
244046 2001 SU_{354}			2 29.0 194°45	4°4/ 4.9 17		
1 22	11 6.79	− 8 13.3	2.522	3.232	13.7	20.5
2 1	11 3.03	− 8 27.5	2.421	3.231	11.5	20.4
2 11	10 57.51	− 8 24.5	2.341	3.230	8.9	20.2
2 21	10 50.66	− 8 4.3	2.286	3.229	6.3	20.0
3 2	10 43.11	− 7 28.4	2.260	3.227	4.5	19.9
3 12	10 35.62	− 6 40.4	2.262	3.226	5.1	19.9
3 22	10 28.92	− 5 45.3	2.292	3.224	7.4	20.1
4 1	10 23.66	− 4 48.5	2.349	3.223	10.1	20.2
108747 2001 OB_{42}			2 29.0 125°56	2°7/ 2.8 18		
1 22	11 10.40	− 2 50.2	2.181	2.923	14.7	20.7
2 1	11 5.94	− 2 43.2	2.098	2.937	11.9	20.6
2 11	10 59.48	− 2 19.0	2.037	2.952	8.6	20.4
2 21	10 51.54	− 1 39.3	2.001	2.965	5.2	20.2
3 2	10 42.90	− 0 47.6	1.995	2.979	2.8	20.1
3 12	10 34.48	+ 0 10.5	2.018	2.991	4.6	20.2
3 22	10 27.10	+ 1 9.2	2.069	3.003	8.0	20.4
4 1	10 21.44	+ 2 3.0	2.147	3.015	11.2	20.6
341612 2007 UW_{128}			2 29.0 166°20	2°8/ 3.3 17		
1 22	11 7.12	− 3 52.6	2.683	3.412	12.5	21.4
2 1	11 3.12	− 3 51.7	2.585	3.415	10.2	21.2
2 11	10 57.47	− 3 36.3	2.510	3.418	7.6	21.0
2 21	10 50.61	− 3 7.4	2.461	3.420	4.8	20.8
3 2	10 43.13	− 2 27.4	2.442	3.422	2.9	20.7
3 12	10 35.74	− 1 40.3	2.452	3.424	4.1	20.8
3 22	10 29.12	− 0 50.6	2.492	3.426	6.8	21.0
4 1	10 23.84	− 0 2.7	2.559	3.427	9.6	21.1
406481 2007 UL_{97}			2 29.0 179°38	1°5/27.6 17		
1 22	11 13.04	+ 9 30.2	2.081	2.867	13.9	23.0
2 1	11 8.21	+10 9.3	1.993	2.869	10.8	22.8
2 11	11 1.13	+10 59.0	1.928	2.871	7.1	22.5
2 21	10 52.34	+11 54.3	1.891	2.871	3.2	22.3
3 2	10 42.69	+12 49.2	1.884	2.871	2.1	22.2
3 12	10 33.21	+13 37.2	1.906	2.870	5.9	22.5
3 22	10 24.85	+14 13.7	1.956	2.868	9.7	22.7
4 1	10 18.38	+14 35.8	2.031	2.866	13.1	22.9
110677 2001 TQ_{196}			2 29.0 181°16	9°4/18.2 18		
1 22	11 12.22	+31 31.3	1.940	2.755	13.7	19.3
2 1	11 8.14	+33 28.6	1.882	2.755	11.5	19.2
2 11	11 1.36	+35 20.4	1.848	2.756	9.8	19.1
2 21	10 52.52	+36 55.7	1.840	2.756	9.5	19.1
3 2	10 42.65	+38 4.8	1.858	2.755	10.7	19.1
3 12	10 33.06	+38 42.1	1.900	2.755	12.7	19.2
3 22	10 24.92	+38 47.1	1.964	2.754	15.0	19.4
4 1	10 19.12	+38 22.8	2.047	2.753	17.1	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2981 Chagall			2 29.0 250°63	0°2/29.2 18		
	h m	° ′			°	m
1 22	11 6.53	+ 5 5.3	2.674	3.445	11.6	18.1
2 1	11 2.77	+ 5 29.0	2.566	3.432	9.1	17.9
2 11	10 57.32	+ 6 3.5	2.483	3.418	6.2	17.7
2 21	10 50.58	+ 6 46.0	2.427	3.405	2.9	17.5
3 2	10 43.15	+ 7 32.7	2.401	3.391	0.7	17.3
3 12	10 35.74	+ 8 19.1	2.405	3.377	4.1	17.5
3 22	10 29.05	+ 9 0.9	2.438	3.363	7.4	17.7
4 1	10 23.69	+ 9 34.7	2.498	3.349	10.4	17.9
183412 2002 YF_{20}			2 29.0 76°40	5°4/ 4.6 18		
1 22	11 10.85	− 7 23.9	1.752	2.488	18.0	19.5
2 1	11 6.80	− 7 52.1	1.677	2.503	15.0	19.3
2 11	11 0.32	− 7 57.8	1.620	2.519	11.5	19.2
2 21	10 52.00	− 7 40.4	1.587	2.535	8.0	19.0
3 2	10 42.81	− 7 2.3	1.579	2.551	5.6	18.9
3 12	10 33.90	− 6 8.9	1.599	2.567	6.4	19.0
3 22	10 26.31	− 5 7.6	1.646	2.583	9.5	19.2
4 1	10 20.83	− 4 6.3	1.717	2.598	12.8	19.4
403855 2011 UZ_{318}			2 29.0 57°44	1°9/27.6 18		
1 22	11 11.37	+ 9 16.4	1.392	2.207	18.1	21.3
2 1	11 7.70	+ 9 55.9	1.331	2.222	14.0	21.1
2 11	11 1.13	+10 49.6	1.290	2.239	9.2	20.8
2 21	10 52.40	+11 50.6	1.274	2.255	4.1	20.6
3 2	10 42.73	+12 49.8	1.284	2.272	2.6	20.5
3 12	10 33.55	+13 38.6	1.320	2.289	7.4	20.8
3 22	10 26.09	+14 11.3	1.382	2.306	12.0	21.1
4 1	10 21.19	+14 25.2	1.465	2.323	16.0	21.4
103044 1999 XH_{123}			2 29.0 126°81	3°0/26.6 18		
1 22	11 15.29	+14 10.7	1.842	2.642	14.9	19.5
2 1	11 10.13	+14 45.2	1.769	2.653	11.5	19.3
2 11	11 2.46	+15 26.4	1.719	2.663	7.7	19.1
2 21	10 52.95	+16 8.1	1.696	2.674	4.0	18.8
3 2	10 42.60	+16 43.5	1.701	2.683	3.6	18.8
3 12	10 32.61	+17 6.9	1.736	2.693	7.1	19.1
3 22	10 24.04	+17 15.1	1.797	2.701	10.9	19.3
4 1	10 17.68	+17 7.3	1.881	2.710	14.2	19.5
258092 2001 QW_{115}			2 29.0 102°83	2°8/ 2.6 18		
1 22	11 14.23	− 1 39.1	2.149	2.889	15.0	21.1
2 1	11 8.81	− 1 49.3	2.076	2.915	12.1	20.9
2 11	11 1.32	− 1 44.0	2.024	2.939	8.7	20.8
2 21	10 52.36	− 1 24.6	1.999	2.963	5.1	20.6
3 2	10 42.75	− 0 54.1	2.003	2.987	2.8	20.5
3 12	10 33.47	− 0 17.2	2.037	3.010	4.7	20.6
3 22	10 25.36	+ 0 20.9	2.100	3.032	8.0	20.9
4 1	10 19.09	+ 0 55.7	2.189	3.053	11.1	21.1
362103 2009 CO_{22}			2 29.0 303°88	0°9/28.4 17		
1 22	11 6.10	+ 5 37.0	1.427	2.240	17.9	21.2
2 1	11 4.07	+ 6 19.8	1.327	2.217	14.2	20.8
2 11	10 59.14	+ 7 24.6	1.247	2.194	9.6	20.5
2 21	10 51.75	+ 8 46.8	1.190	2.172	4.3	20.1
3 2	10 42.84	+10 17.8	1.160	2.149	1.8	19.9
3 12	10 33.81	+11 46.2	1.155	2.128	7.4	20.2
3 22	10 26.07	+13 1.5	1.175	2.106	12.9	20.4
4 1	10 20.83	+13 56.4	1.216	2.085	17.8	20.6
119988 2002 XT_{63}			2 29.0 34°61	2°1/27.5 18		
1 22	11 11.17	+11 9.7	1.538	2.351	16.8	19.2
2 1	11 7.42	+11 34.5	1.466	2.357	13.0	19.0
2 11	11 0.91	+12 10.2	1.416	2.364	8.6	18.7
2 21	10 52.32	+12 50.6	1.390	2.371	4.0	18.5
3 2	10 42.75	+13 28.6	1.391	2.379	2.8	18.4
3 12	10 33.54	+13 57.0	1.420	2.387	7.1	18.7
3 22	10 25.87	+14 11.4	1.473	2.395	11.6	18.9
4 1	10 20.61	+14 9.7	1.549	2.403	15.4	19.2
181711 1993 SC_{9}			2 29.0 102°52	0°5/29.5 18		
1 22	11 11.15	+ 3 41.3	1.965	2.740	15.0	21.0
2 1	11 6.68	+ 4 9.3	1.893	2.760	11.8	20.8
2 11	11 0.03	+ 4 51.9	1.843	2.779	8.0	20.6
2 21	10 51.81	+ 5 45.1	1.820	2.798	3.7	20.4
3 2	10 42.89	+ 6 43.5	1.826	2.816	0.8	20.2
3 12	10 34.29	+ 7 40.4	1.861	2.834	5.0	20.5
3 22	10 26.89	+ 8 30.2	1.924	2.852	8.9	20.8
4 1	10 21.40	+ 9 8.9	2.012	2.869	12.3	21.0
57582 2001 TP_{67}			2 29.0 43°14	4°1/ 4.4 18		
1 22	11 5.19	− 6 50.6	2.004	2.742	16.0	19.0
2 1	11 2.10	− 6 48.5	1.927	2.758	13.2	18.8
2 11	10 57.01	− 6 25.1	1.871	2.775	9.9	18.6
2 21	10 50.46	− 5 41.6	1.838	2.792	6.6	18.5
3 2	10 43.23	− 4 41.4	1.833	2.810	4.2	18.3
3 12	10 36.23	− 3 30.5	1.856	2.827	5.2	18.4
3 22	10 30.29	− 2 16.2	1.906	2.846	8.2	18.6
4 1	10 26.07	− 1 5.1	1.981	2.864	11.3	18.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
213105 1999 XO_{51}			2 29.0 170°.09		1°.4/27.7 18	
	h m	° ′			°	m
1 22	11 12.27	+ 9 15.7	2.089	2.875	13.9	21.3
2 1	11 7.59	+ 9 54.7	2.003	2.879	10.7	21.1
2 11	11 0.70	+10 44.4	1.940	2.883	7.1	20.9
2 21	10 52.16	+11 39.8	1.905	2.886	3.2	20.6
3 2	10 42.80	+12 34.9	1.900	2.888	2.0	20.5
3 12	10 33.61	+13 23.4	1.925	2.889	5.8	20.8
3 22	10 25.54	+14 0.5	1.977	2.890	9.6	21.0
4 1	10 19.34	+14 23.7	2.054	2.890	12.9	21.2
341762 2007 VS_{321}			2 29.0 187°.29		6°.7/20.5 17	
1 22	11 10.90	+29 31.9	2.582	3.385	11.0	20.9
2 1	11 6.32	+30 46.2	2.513	3.385	9.0	20.8
2 11	10 59.73	+31 56.5	2.470	3.384	7.4	20.6
2 21	10 51.68	+32 55.9	2.454	3.383	6.7	20.6
3 2	10 42.93	+33 38.1	2.466	3.382	7.5	20.6
3 12	10 34.38	+33 59.4	2.505	3.381	9.3	20.8
3 22	10 26.88	+33 58.6	2.569	3.379	11.3	20.9
4 1	10 21.09	+33 37.2	2.654	3.377	13.2	21.0
31154 1997 VJ			2 29.0 174°.19		11°.4/16.9 18	
1 22	11 24.51	+40 32.1	2.057	2.835	14.3	19.0
2 1	11 17.75	+42 13.3	2.007	2.839	12.7	18.9
2 11	11 7.78	+43 40.9	1.979	2.842	11.6	18.9
2 21	10 55.42	+44 43.7	1.977	2.844	11.5	18.9
3 2	10 42.02	+45 13.4	1.999	2.846	12.4	18.9
3 12	10 29.19	+45 6.7	2.045	2.846	14.0	19.0
3 22	10 18.32	+44 26.0	2.111	2.846	15.8	19.2
4 1	10 10.35	+43 17.0	2.195	2.845	17.5	19.3
199295 2006 BQ_{68}			2 29.0 225°.96		0°.7/28.4 17	
1 22	11 8.83	+ 7 26.2	2.036	2.825	14.1	21.4
2 1	11 5.02	+ 7 54.8	1.946	2.823	11.0	21.2
2 11	10 59.05	+ 8 35.4	1.879	2.821	7.3	21.0
2 21	10 51.44	+ 9 23.8	1.838	2.819	3.2	20.7
3 2	10 42.98	+10 14.6	1.827	2.816	1.3	20.5
3 12	10 34.66	+11 1.6	1.844	2.814	5.4	20.8
3 22	10 27.39	+11 39.6	1.889	2.811	9.4	21.0
4 1	10 21.94	+12 5.2	1.958	2.809	12.8	21.3
472947 2015 GV_{29}			2 29.0 287°.67		2°.9/26.2 16	
1 22	11 9.49	+15 6.6	2.248	3.050	12.5	21.7
2 1	11 5.46	+15 39.5	2.149	3.034	9.7	21.5
2 11	10 59.33	+16 18.1	2.074	3.018	6.5	21.3
2 21	10 51.58	+16 57.4	2.025	3.002	3.6	21.1
3 2	10 42.95	+17 31.7	2.006	2.986	3.5	21.0
3 12	10 34.38	+17 56.0	2.016	2.970	6.5	21.2
3 22	10 26.77	+18 6.8	2.053	2.954	9.9	21.4
4 1	10 20.88	+18 2.6	2.114	2.938	13.0	21.5
75062 1999 VZ_{7}			2 29.0 131°.87		2°.9/ 2.7 18	
1 22	11 10.59	− 2 25.1	1.868	2.623	16.4	19.6
2 1	11 6.51	− 2 21.9	1.784	2.631	13.3	19.4
2 11	11 0.10	− 1 59.3	1.720	2.639	9.6	19.2
2 21	10 51.93	− 1 18.8	1.681	2.647	5.7	19.0
3 2	10 42.87	− 0 24.4	1.669	2.654	3.0	18.8
3 12	10 34.01	+ 0 37.4	1.686	2.661	5.2	19.0
3 22	10 26.35	+ 1 39.7	1.731	2.668	9.1	19.2
4 1	10 20.67	+ 2 36.1	1.801	2.674	12.7	19.5
205900 2002 GB_{69}			2 29.0 274°.16		0°.5/28.7 17	
1 22	11 10.65	+ 6 30.9	1.687	2.482	16.3	21.2
2 1	11 7.16	+ 6 55.6	1.582	2.462	12.9	20.9
2 11	11 0.95	+ 7 36.1	1.499	2.442	8.7	20.6
2 21	10 52.49	+ 8 28.7	1.441	2.422	4.0	20.3
3 2	10 42.70	+ 9 27.0	1.411	2.401	1.3	20.0
3 12	10 32.81	+10 22.8	1.408	2.380	6.5	20.3
3 22	10 24.11	+11 9.1	1.432	2.359	11.4	20.5
4 1	10 17.64	+11 40.6	1.478	2.338	15.7	20.8
331200 2011 BN_{16}			2 29.0 225°.64		1°.9/27.2 17	
1 22	11 8.71	+10 2.1	2.013	2.811	13.9	21.1
2 1	11 5.00	+10 49.8	1.924	2.807	10.8	20.8
2 11	10 59.09	+11 48.7	1.858	2.803	7.1	20.6
2 21	10 51.48	+12 53.7	1.818	2.799	3.3	20.4
3 2	10 42.99	+13 57.8	1.808	2.794	2.5	20.3
3 12	10 34.62	+14 54.1	1.826	2.789	6.2	20.5
3 22	10 27.31	+15 37.4	1.872	2.784	10.1	20.7
4 1	10 21.85	+16 4.7	1.941	2.779	13.5	20.9
49748 1999 VD_{166}			2 29.0 223°.33		0°.9/29.7 18	
1 22	11 13.45	+ 3 8.5	1.718	2.495	16.8	20.0
2 1	11 9.19	+ 3 25.1	1.619	2.486	13.4	19.7
2 11	11 2.21	+ 3 59.3	1.541	2.476	9.3	19.4
2 21	10 53.03	+ 4 48.4	1.488	2.465	4.5	19.1
3 2	10 42.58	+ 5 46.7	1.464	2.454	1.1	18.8
3 12	10 32.15	+ 6 46.7	1.467	2.442	5.9	19.1
3 22	10 22.96	+ 7 41.0	1.498	2.429	10.7	19.4
4 1	10 16.03	+ 8 23.8	1.553	2.415	15.0	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
119737 2001 YJ_{23}			2 29.0 34°.77		0°.1/29.1 18	
	h m	° ′			°	m
1 22	11 9.05	+ 5 26.5	1.679	2.475	16.3	20.4
2 1	11 5.57	+ 5 43.6	1.600	2.479	12.8	20.1
2 11	10 59.60	+ 6 15.8	1.543	2.484	8.6	19.9
2 21	10 51.73	+ 6 59.1	1.510	2.489	4.0	19.6
3 2	10 42.93	+ 7 47.6	1.504	2.495	0.9	19.4
3 12	10 34.38	+ 8 34.3	1.526	2.501	5.7	19.8
3 22	10 27.14	+ 9 12.9	1.575	2.506	10.2	20.0
4 1	10 22.05	+ 9 39.3	1.646	2.513	14.1	20.3
95016 Kimjeongho			2 29.0 178°.37		0°.6/28.5 18	
1 22	11 8.86	+ 6 37.0	2.171	2.955	13.5	20.9
2 1	11 4.89	+ 7 12.7	2.082	2.956	10.5	20.7
2 11	10 58.89	+ 8 0.6	2.016	2.956	7.0	20.5
2 21	10 51.35	+ 8 56.6	1.977	2.957	3.1	20.2
3 2	10 43.03	+ 9 55.4	1.967	2.957	1.2	20.1
3 12	10 34.84	+10 50.7	1.987	2.956	5.1	20.4
3 22	10 27.66	+11 37.3	2.035	2.956	8.9	20.6
4 1	10 22.17	+12 11.8	2.108	2.955	12.2	20.8
142149 2002 RR_{21}			2 29.0 217°.77		0°.9/28.2 16	
1 22	11 12.88	+ 8 38.9	2.018	2.803	14.3	21.3
2 1	11 8.26	+ 9 1.3	1.921	2.797	11.2	21.0
2 11	11 1.29	+ 9 34.6	1.848	2.789	7.5	20.8
2 21	10 52.51	+10 14.6	1.801	2.781	3.3	20.5
3 2	10 42.74	+10 55.8	1.783	2.773	1.6	20.4
3 12	10 33.06	+11 32.5	1.795	2.764	5.7	20.6
3 22	10 24.48	+11 59.8	1.835	2.754	9.8	20.9
4 1	10 17.85	+12 14.7	1.899	2.744	13.4	21.1
490400 2009 RA			2 29.0 151°.77		4°.3/23.7 18	
1 22	11 10.75	+19 12.9	2.540	3.340	11.3	22.1
2 1	11 6.06	+20 31.5	2.468	3.351	8.7	22.0
2 11	10 59.50	+21 53.1	2.423	3.361	6.1	21.8
2 21	10 51.57	+23 11.1	2.406	3.370	4.4	21.7
3 2	10 43.00	+24 19.0	2.419	3.379	5.0	21.8
3 12	10 34.61	+25 11.5	2.463	3.387	7.3	21.9
3 22	10 27.19	+25 45.9	2.533	3.394	9.8	22.1
4 1	10 21.36	+26 1.6	2.627	3.400	12.2	22.3
58641 1997 WX_{20}			2 29.0 102°.55		15°.0/ 9.7 18	
1 22	11 28.67	+54 19.0	2.033	2.767	15.9	19.0
2 1	11 21.89	+56 24.3	2.026	2.785	15.2	19.0
2 11	11 10.92	+58 3.7	2.038	2.803	15.0	19.0
2 21	10 56.89	+59 6.5	2.070	2.820	15.3	19.1
3 2	10 41.72	+59 26.6	2.121	2.838	16.0	19.2
3 12	10 27.69	+59 3.8	2.189	2.854	17.0	19.3
3 22	10 16.52	+58 3.7	2.272	2.871	17.9	19.4
4 1	10 9.19	+56 34.1	2.367	2.886	18.8	19.5
120671 1996 XT_{25}			2 29.0 143°.06		6°.0/22.3 18	
1 22	11 12.60	+24 29.7	2.329	3.134	12.0	19.8
2 1	11 7.69	+25 48.3	2.265	3.145	9.5	19.7
2 11	11 0.67	+27 5.9	2.226	3.155	7.2	19.6
2 21	10 52.12	+28 15.0	2.215	3.165	6.0	19.5
3 2	10 42.87	+29 8.6	2.233	3.174	6.7	19.6
3 12	10 33.89	+29 41.9	2.279	3.182	8.8	19.7
3 22	10 26.07	+29 53.5	2.351	3.190	11.2	19.9
4 1	10 20.09	+29 44.2	2.445	3.198	13.5	20.0
385935 2006 UB_{94}			2 29.0 9°.65		4°.9/23.7 17	
1 22	11 9.27	+21 51.2	2.363	3.172	11.7	20.9
2 1	11 5.10	+22 45.1	2.287	3.172	9.2	20.7
2 11	10 58.96	+23 39.8	2.235	3.172	6.6	20.6
2 21	10 51.35	+24 29.1	2.211	3.173	5.0	20.4
3 2	10 43.06	+25 6.8	2.215	3.173	5.5	20.5
3 12	10 34.97	+25 28.5	2.248	3.173	7.8	20.6
3 22	10 27.92	+25 32.1	2.307	3.173	10.4	20.8
4 1	10 22.55	+25 18.0	2.389	3.174	12.9	21.0
89008 2001 TA_{80}			2 29.0 188°.03		0°.1/29.0 18	
1 22	11 12.63	+ 4 30.0	2.052	2.824	14.6	20.8
2 1	11 7.98	+ 5 7.3	1.958	2.824	11.5	20.6
2 11	11 1.06	+ 5 59.7	1.886	2.823	7.7	20.4
2 21	10 52.39	+ 7 3.2	1.842	2.820	3.6	20.1
3 2	10 42.79	+ 8 11.9	1.827	2.817	0.9	19.9
3 12	10 33.29	+ 9 18.8	1.842	2.813	5.3	20.2
3 22	10 24.88	+10 17.6	1.886	2.809	9.4	20.4
4 1	10 18.35	+11 3.8	1.955	2.803	13.0	20.7
417834 2007 GH_{5}			2 29.0 93°.29		6°.3/22.2 18	
1 22	11 9.10	+21 57.9	1.951	2.770	13.5	20.7
2 1	11 5.41	+23 35.5	1.887	2.778	10.6	20.6
2 11	10 59.38	+25 15.1	1.849	2.786	7.8	20.4
2 21	10 51.60	+26 47.6	1.837	2.794	6.3	20.3
3 2	10 43.01	+28 3.7	1.854	2.802	7.3	20.4
3 12	10 34.68	+28 56.9	1.897	2.810	9.8	20.6
3 22	10 27.61	+29 24.7	1.965	2.817	12.6	20.8
4 1	10 22.56	+29 27.6	2.054	2.825	15.2	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
170337 2003 SQ_{119}			2 29.0 344.°06	1.°1/28.5 18		
	h m	° ′			°	m
1 22	11 15.58	+11 8.3	1.338	2.153	18.7	19.5
2 1	11 11.48	+10 50.1	1.256	2.147	14.7	19.2
2 11	11 4.03	+10 40.7	1.195	2.142	9.9	18.9
2 21	10 53.92	+10 35.8	1.156	2.137	4.5	18.6
3 2	10 42.42	+10 30.0	1.144	2.133	1.9	18.4
3 12	10 31.18	+10 18.1	1.157	2.130	7.4	18.7
3 22	10 21.74	+ 9 56.6	1.195	2.128	12.7	19.0
4 1	10 15.23	+ 9 24.0	1.255	2.126	17.3	19.2
133706 2003 UP_{242}			2 29.0 231.°48	3.°3/26.0 18		
1 22	11 13.48	+14 20.5	2.084	2.881	13.5	21.1
2 1	11 8.79	+15 12.2	1.984	2.867	10.5	20.8
2 11	11 1.71	+16 12.2	1.909	2.852	7.1	20.6
2 21	10 52.74	+17 14.4	1.860	2.836	3.9	20.4
3 2	10 42.71	+18 11.4	1.841	2.820	3.9	20.3
3 12	10 32.70	+18 56.5	1.852	2.803	7.2	20.5
3 22	10 23.75	+19 25.3	1.889	2.785	10.9	20.7
4 1	10 16.75	+19 35.8	1.951	2.766	14.3	20.9
165424 2000 YF_{59}			2 29.0 86.°33	0.°4/29.3 18		
1 22	11 13.35	+ 4 36.0	1.608	2.396	17.3	20.4
2 1	11 8.84	+ 4 55.2	1.542	2.416	13.5	20.2
2 11	11 1.70	+ 5 30.4	1.497	2.436	9.1	20.0
2 21	10 52.66	+ 6 17.4	1.477	2.456	4.2	19.8
3 2	10 42.77	+ 7 9.5	1.484	2.475	0.9	19.6
3 12	10 33.32	+ 7 59.4	1.520	2.494	5.8	20.0
3 22	10 25.40	+ 8 41.0	1.582	2.513	10.2	20.3
4 1	10 19.80	+ 9 9.9	1.668	2.531	14.1	20.5
153879 2001 XY_{141}			2 29.0 74.°46	5.°8/23.6 18		
1 22	11 10.44	+19 59.0	1.782	2.603	14.5	20.5
2 1	11 6.61	+21 16.2	1.716	2.609	11.3	20.4
2 11	11 0.27	+22 37.1	1.673	2.615	8.0	20.2
2 21	10 52.03	+23 52.6	1.656	2.621	5.9	20.1
3 2	10 42.91	+24 53.8	1.666	2.627	6.6	20.1
3 12	10 34.11	+25 33.8	1.703	2.633	9.5	20.3
3 22	10 26.70	+25 49.8	1.765	2.640	12.7	20.5
4 1	10 21.47	+25 42.3	1.848	2.646	15.6	20.7
488476 1999 RN_{239}			2 29.0 239.°50	2.°4/ 2.2 17		
1 22	11 14.47	− 0 44.7	2.372	3.109	13.8	22.4
2 1	11 9.31	− 0 50.0	2.250	3.088	11.3	22.2
2 11	11 1.97	− 0 41.1	2.150	3.066	8.2	22.0
2 21	10 52.86	− 0 19.0	2.076	3.043	4.8	21.7
3 2	10 42.68	+ 0 14.1	2.033	3.019	2.4	21.5
3 12	10 32.36	+ 0 54.1	2.020	2.993	4.7	21.6
3 22	10 22.84	+ 1 35.9	2.038	2.967	8.4	21.8
4 1	10 14.97	+ 2 14.8	2.082	2.939	11.9	22.0
171037 2005 EC_{73}			2 29.0 65.°43	3.°0/26.9 18		
1 22	11 14.09	+13 9.1	1.494	2.308	17.1	20.0
2 1	11 9.75	+13 39.2	1.427	2.318	13.2	19.8
2 11	11 2.50	+14 18.4	1.381	2.328	8.8	19.5
2 21	10 53.08	+14 59.7	1.359	2.339	4.3	19.3
3 2	10 42.67	+15 35.2	1.365	2.350	3.7	19.3
3 12	10 32.71	+15 57.9	1.398	2.360	7.8	19.5
3 22	10 24.44	+16 4.2	1.455	2.371	12.1	19.8
4 1	10 18.74	+15 53.0	1.535	2.382	16.0	20.1
246941 1999 RF_{100}			2 29.0 230.°24	8.°3/ 9.3 18		
1 22	11 11.92	−22 32.5	3.058	3.641	13.7	20.8
2 1	11 6.97	−23 44.2	2.943	3.631	12.4	20.7
2 11	11 0.21	−24 39.0	2.846	3.620	10.9	20.5
2 21	10 52.00	−25 13.6	2.773	3.609	9.6	20.4
3 2	10 42.90	−25 25.9	2.724	3.598	8.6	20.3
3 12	10 33.69	−25 16.2	2.702	3.587	8.3	20.3
3 22	10 25.12	−24 47.2	2.707	3.575	9.0	20.3
4 1	10 17.87	−24 3.4	2.737	3.563	10.3	20.4
455627 2004 VO_{44}			2 29.0 131.°78	1.°8/27.4 18		
1 22	11 14.06	+ 9 36.9	1.929	2.718	14.8	22.3
2 1	11 9.04	+10 25.6	1.857	2.735	11.4	22.1
2 11	11 1.69	+11 25.4	1.808	2.751	7.5	21.9
2 21	10 52.63	+12 30.3	1.786	2.766	3.4	21.7
3 2	10 42.79	+13 33.2	1.793	2.780	2.4	21.7
3 12	10 33.27	+14 27.2	1.830	2.793	6.2	21.9
3 22	10 25.05	+15 7.5	1.895	2.806	10.1	22.2
4 1	10 18.88	+15 31.7	1.984	2.817	13.4	22.4
307268 2002 NQ_{53}			2 29.0 179.°33	2.°6/26.5 18		
1 22	11 10.59	+11 20.8	1.978	2.777	14.1	21.3
2 1	11 6.49	+12 22.0	1.894	2.778	10.9	21.1
2 11	11 0.10	+13 34.0	1.833	2.779	7.2	20.9
2 21	10 51.96	+14 50.6	1.800	2.779	3.5	20.6
3 2	10 42.94	+16 4.1	1.796	2.779	3.2	20.6
3 12	10 34.07	+17 6.9	1.821	2.778	6.8	20.8
3 22	10 26.36	+17 53.9	1.873	2.777	10.5	21.0
4 1	10 20.57	+18 22.5	1.949	2.776	13.9	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
341306 2007 RQ_{324}			2 29.0 190.°55	3.°1/ 3.6 17		
	h m	° ′			°	m
1 22	11 6.02	− 4 54.3	2.478	3.209	13.4	21.5
2 1	11 2.48	− 4 47.6	2.378	3.209	11.0	21.3
2 11	10 57.19	− 4 24.2	2.301	3.208	8.2	21.1
2 21	10 50.58	− 3 45.0	2.249	3.207	5.2	20.9
3 2	10 43.28	− 2 52.8	2.226	3.206	3.2	20.8
3 12	10 36.07	− 1 52.2	2.233	3.205	4.4	20.9
3 22	10 29.66	− 0 48.6	2.268	3.204	7.3	21.0
4 1	10 24.67	+ 0 12.4	2.329	3.202	10.2	21.2
155607 2000 DG_{55}			2 29.0 235.°42	0.°7/28.5 18		
1 22	11 15.28	+ 7 54.1	1.837	2.622	15.5	20.4
2 1	11 10.51	+ 8 12.3	1.734	2.608	12.3	20.1
2 11	11 3.06	+ 8 43.1	1.653	2.593	8.3	19.8
2 21	10 53.43	+ 9 22.4	1.598	2.577	3.7	19.5
3 2	10 42.56	+10 4.6	1.571	2.561	1.4	19.3
3 12	10 31.66	+10 42.8	1.574	2.544	6.2	19.6
3 22	10 21.95	+11 11.7	1.604	2.526	10.8	19.8
4 1	10 14.43	+11 27.6	1.658	2.507	14.9	20.0
303438 2005 AK_{54}			2 29.0 22.°63	4.°0/26.2 16		
1 22	11 3.83	+10 55.6	0.996	1.849	20.8	19.9
2 1	11 2.80	+12 8.6	0.948	1.862	16.0	19.6
2 11	10 58.33	+13 39.3	0.919	1.876	10.4	19.3
2 21	10 51.29	+15 15.8	0.911	1.893	5.2	19.1
3 2	10 43.13	+16 43.7	0.926	1.911	5.0	19.2
3 12	10 35.60	+17 50.4	0.965	1.930	9.9	19.5
3 22	10 30.11	+18 29.0	1.024	1.951	14.9	19.8
4 1	10 27.57	+18 38.3	1.103	1.973	19.2	20.2
118595 2000 GZ_{91}			2 29.0 259.°43	3.°3/ 3.6 18		
1 22	11 7.99	− 6 12.9	2.285	3.011	14.6	20.6
2 1	11 4.41	− 5 46.2	2.159	2.986	12.1	20.4
2 11	10 58.75	− 4 57.8	2.054	2.960	9.1	20.1
2 21	10 51.42	− 3 48.2	1.975	2.934	5.8	19.9
3 2	10 43.06	− 2 20.4	1.925	2.907	3.3	19.7
3 12	10 34.55	− 0 40.6	1.905	2.879	4.9	19.7
3 22	10 26.81	+ 1 3.4	1.914	2.850	8.4	19.9
4 1	10 20.63	+ 2 43.6	1.951	2.820	12.0	20.0
237094 2008 TA_{26}			2 29.0 170.°79	2.°4/26.9 18		
1 22	11 13.13	+10 32.0	1.728	2.528	15.7	21.4
2 1	11 8.77	+11 26.3	1.647	2.532	12.2	21.1
2 11	11 1.79	+12 33.1	1.589	2.535	8.1	20.9
2 21	10 52.78	+13 45.8	1.557	2.537	3.8	20.6
3 2	10 42.75	+14 56.0	1.553	2.539	3.1	20.6
3 12	10 32.95	+15 55.3	1.578	2.540	7.2	20.8
3 22	10 24.51	+16 38.0	1.630	2.540	11.4	21.1
4 1	10 18.33	+17 1.5	1.704	2.540	15.1	21.3
26107 1991 GZ_{5}			2 29.0 81.°29	0.°8/29.7 18		
1 22	11 10.71	+ 3 24.5	1.775	2.557	16.1	18.6
2 1	11 6.62	+ 3 41.3	1.702	2.572	12.7	18.4
2 11	11 0.17	+ 4 13.9	1.651	2.587	8.7	18.1
2 21	10 51.97	+ 4 58.7	1.625	2.602	4.2	17.9
3 2	10 42.97	+ 5 50.2	1.627	2.618	1.0	17.7
3 12	10 34.29	+ 6 41.5	1.658	2.633	5.3	18.0
3 22	10 26.92	+ 7 26.5	1.715	2.648	9.5	18.3
4 1	10 21.62	+ 8 0.9	1.797	2.662	13.1	18.6
281986 2011 HK_{20}			2 29.0 98.°49	0.°9/28.2 18		
1 22	11 8.84	+ 7 48.0	2.038	2.829	14.0	21.0
2 1	11 4.96	+ 8 21.4	1.958	2.836	10.9	20.8
2 11	10 58.97	+ 9 6.5	1.901	2.843	7.2	20.6
2 21	10 51.41	+ 9 58.5	1.870	2.850	3.2	20.4
3 2	10 43.10	+10 51.9	1.868	2.857	1.5	20.2
3 12	10 35.01	+11 40.3	1.895	2.864	5.4	20.5
3 22	10 28.00	+12 19.0	1.950	2.871	9.2	20.8
4 1	10 22.80	+12 44.8	2.029	2.877	12.5	21.0
377361 2004 RY_{88}			2 29.0 225.°27	1.°6/ 1.9 17		
1 22	11 8.21	− 1 2.5	2.598	3.341	12.6	22.6
2 1	11 4.17	− 0 30.5	2.484	3.328	10.1	22.4
2 11	10 58.35	+ 0 17.2	2.393	3.314	7.2	22.2
2 21	10 51.14	+ 1 18.6	2.330	3.300	3.9	22.0
3 2	10 43.16	+ 2 29.9	2.296	3.285	1.6	21.8
3 12	10 35.15	+ 3 45.7	2.294	3.269	4.1	21.9
3 22	10 27.87	+ 5 0.2	2.322	3.252	7.5	22.1
4 1	10 21.98	+ 6 8.2	2.377	3.234	10.6	22.3
166715 2002 TY_{206}			2 29.0 140.°15	2.°8/26.1 18		
1 22	11 11.32	+15 52.4	2.456	3.251	11.8	19.9
2 1	11 6.50	+16 24.9	2.377	3.258	9.1	19.8
2 11	10 59.80	+17 1.4	2.322	3.264	6.1	19.6
2 21	10 51.73	+17 36.8	2.295	3.271	3.4	19.4
3 2	10 43.04	+18 6.4	2.298	3.276	3.3	19.4
3 12	10 34.56	+18 26.0	2.331	3.282	6.0	19.6
3 22	10 27.09	+18 33.1	2.392	3.287	9.0	19.8
4 1	10 21.23	+18 26.9	2.478	3.293	11.6	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
85646 1998 OT_{14}			2 29.0 146.°60	0.°8/29.7 18		
	h m	° ′			°	m
1 22	11 15.71	+ 3 54.9	1.807	2.579	16.2	19.2
2 1	11 10.54	+ 4 6.4	1.726	2.590	12.8	19.0
2 11	11 2.84	+ 4 33.0	1.666	2.600	8.8	18.8
2 21	10 53.22	+ 5 11.2	1.633	2.610	4.2	18.5
3 2	10 42.67	+ 5 56.0	1.628	2.618	1.0	18.3
3 12	10 32.40	+ 6 40.7	1.652	2.626	5.4	18.6
3 22	10 23.49	+ 7 19.6	1.705	2.633	9.8	18.9
4 1	10 16.77	+ 7 48.4	1.781	2.639	13.6	19.1
425309 2009 YJ_{17}			2 29.0 145.°16	2.°6/ 2.6 17		
1 22	11 9.32	− 1 34.2	2.198	2.947	14.4	21.5
2 1	11 5.22	− 1 38.0	2.106	2.951	11.7	21.3
2 11	10 59.11	− 1 26.1	2.037	2.955	8.4	21.1
2 21	10 51.49	− 0 59.9	1.993	2.959	5.0	20.9
3 2	10 43.10	− 0 22.3	1.977	2.962	2.6	20.7
3 12	10 34.84	+ 0 21.8	1.991	2.966	4.6	20.9
3 22	10 27.56	+ 1 7.3	2.034	2.969	8.0	21.1
4 1	10 21.96	+ 1 49.0	2.102	2.972	11.3	21.3
417276 2006 AV_{50}			2 29.0 278.°70	2.°2/26.9 17		
1 22	11 7.68	+10 21.9	1.925	2.729	14.2	20.7
2 1	11 4.35	+11 13.9	1.836	2.723	11.0	20.5
2 11	10 58.75	+12 17.8	1.770	2.716	7.3	20.2
2 21	10 51.40	+13 27.9	1.730	2.710	3.4	20.0
3 2	10 43.11	+14 36.8	1.718	2.704	2.8	19.9
3 12	10 34.94	+15 37.1	1.736	2.698	6.6	20.2
3 22	10 27.86	+16 23.2	1.779	2.691	10.5	20.4
4 1	10 22.68	+16 51.8	1.846	2.685	14.0	20.6
161395 2003 UM_{131}			2 29.0 218.°22	2.°9/ 2.9 17 R		
1 22	11 9.25	− 2 39.0	2.408	3.146	13.6	20.7
2 1	11 5.07	− 2 48.8	2.304	3.140	11.1	20.5
2 11	10 58.99	− 2 43.9	2.223	3.135	8.2	20.3
2 21	10 51.44	− 2 25.0	2.167	3.129	5.1	20.1
3 2	10 43.11	− 1 54.3	2.140	3.122	3.0	19.9
3 12	10 34.81	− 1 15.8	2.143	3.116	4.5	20.0
3 22	10 27.36	− 0 34.2	2.175	3.109	7.7	20.2
4 1	10 21.44	+ 0 5.8	2.233	3.102	10.8	20.4
176989 2003 AY_{4}			2 29.0 164.°06	5.°0/ 5.8 18		
1 22	11 8.67	−10 47.6	2.774	3.458	13.1	20.5
2 1	11 4.34	−11 15.4	2.674	3.462	11.2	20.3
2 11	10 58.35	−11 27.1	2.596	3.465	8.9	20.2
2 21	10 51.10	−11 21.9	2.542	3.468	6.7	20.0
3 2	10 43.20	−11 0.5	2.516	3.471	5.2	19.9
3 12	10 35.37	−10 25.7	2.519	3.473	5.4	20.0
3 22	10 28.28	− 9 41.6	2.551	3.475	7.2	20.1
4 1	10 22.54	− 8 53.0	2.610	3.477	9.5	20.2
15322 1993 QY			2 29.1 90.°64	0.°8/28.1 18		
1 22	11 10.72	+ 2 32.8	2.003	2.773	14.9	18.3
2 1	11 6.28	+ 4 19.5	1.938	2.805	11.5	18.1
2 11	10 59.74	+ 6 24.4	1.898	2.836	7.6	17.9
2 21	10 51.73	+ 8 40.1	1.886	2.866	3.3	17.7
3 2	10 43.08	+10 56.6	1.907	2.896	1.5	17.6
3 12	10 34.77	+13 3.9	1.959	2.925	5.6	17.9
3 22	10 27.66	+14 54.1	2.041	2.953	9.3	18.2
4 1	10 22.40	+16 22.8	2.149	2.981	12.5	18.5
298657 2004 CV_{13}			2 29.1 307.°68	1.°8/ 1.4 17		
1 22	11 11.02	+ 3 12.1	2.085	2.854	14.5	20.2
2 1	11 6.81	+ 2 48.9	1.980	2.840	11.6	20.0
2 11	11 0.36	+ 2 36.8	1.897	2.826	8.2	19.7
2 21	10 52.15	+ 2 34.9	1.839	2.813	4.4	19.5
3 2	10 42.94	+ 2 40.7	1.811	2.799	1.8	19.2
3 12	10 33.75	+ 2 50.6	1.811	2.786	4.9	19.4
3 22	10 25.53	+ 3 0.7	1.839	2.773	8.8	19.6
4 1	10 19.13	+ 3 7.1	1.893	2.760	12.4	19.8
336158 2008 RW_{9}			2 29.1 301.°23	0.°3/28.8 17		
1 22	11 10.91	+ 7 55.9	1.851	2.645	15.1	20.5
2 1	11 7.03	+ 7 58.0	1.751	2.629	11.9	20.2
2 11	11 0.67	+ 8 11.0	1.673	2.614	8.1	20.0
2 21	10 52.34	+ 8 31.6	1.620	2.600	3.7	19.7
3 2	10 42.89	+ 8 55.2	1.595	2.585	1.1	19.4
3 12	10 33.48	+ 9 16.3	1.598	2.571	5.8	19.7
3 22	10 25.19	+ 9 30.4	1.628	2.556	10.2	20.0
4 1	10 18.96	+ 9 34.1	1.682	2.542	14.1	20.2
400290 2007 TT_{64}			2 29.1 132.°65	0.°2/28.9 18		
1 22	11 12.33	+ 5 22.1	1.932	2.711	15.1	22.2
2 1	11 7.74	+ 5 57.7	1.854	2.725	11.8	22.0
2 11	11 0.86	+ 6 47.4	1.799	2.738	7.9	21.8
2 21	10 52.30	+ 7 46.9	1.771	2.750	3.5	21.6
3 2	10 42.93	+ 8 49.8	1.771	2.762	1.0	21.4
3 12	10 33.84	+ 9 49.1	1.802	2.773	5.4	21.7
3 22	10 25.97	+10 39.3	1.860	2.783	9.4	22.0
4 1	10 20.08	+11 16.3	1.942	2.793	12.9	22.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
400551 2008 UR_{368}			2 29.1 235.°16	5.°1/24.7 18		
	h m	° ′			°	m
1 22	11 13.25	+17 2.1	1.661	2.476	15.6	21.4
2 1	11 9.22	+18 13.4	1.575	2.467	12.2	21.2
2 11	11 2.32	+19 33.3	1.512	2.457	8.4	20.9
2 21	10 53.14	+20 52.8	1.475	2.447	5.5	20.7
3 2	10 42.71	+22 1.6	1.465	2.436	6.0	20.7
3 12	10 32.40	+22 51.0	1.483	2.425	9.5	20.9
3 22	10 23.50	+23 16.2	1.525	2.414	13.5	21.1
4 1	10 17.04	+23 16.4	1.589	2.402	17.1	21.3
144271 2004 CY_{96}			2 29.1 324.°04	1.°1/ 1.3 18		
1 22	11 3.29	− 0 44.7	2.093	2.861	14.4	19.9
2 1	11 0.75	+ 0 11.6	1.994	2.855	11.5	19.7
2 11	10 56.25	+ 1 28.6	1.918	2.849	8.0	19.5
2 21	10 50.25	+ 3 2.6	1.868	2.843	4.1	19.2
3 2	10 43.43	+ 4 47.6	1.847	2.837	1.1	19.0
3 12	10 36.68	+ 6 35.2	1.856	2.832	4.7	19.2
3 22	10 30.83	+ 8 17.2	1.893	2.827	8.7	19.4
4 1	10 26.59	+ 9 46.5	1.957	2.822	12.2	19.6
135108 2001 QS_{101}			2 29.1 74.°46	0.°4/28.7 18		
1 22	11 12.41	+ 8 42.3	2.215	2.997	13.3	19.1
2 1	11 7.48	+ 8 41.1	2.135	3.007	10.4	18.9
2 11	11 0.52	+ 8 47.9	2.078	3.018	6.9	18.7
2 21	10 52.10	+ 8 59.6	2.049	3.028	3.1	18.5
3 2	10 43.00	+ 9 12.5	2.049	3.039	1.0	18.3
3 12	10 34.17	+ 9 22.7	2.079	3.050	4.8	18.6
3 22	10 26.43	+ 9 27.1	2.137	3.060	8.4	18.9
4 1	10 20.44	+ 9 23.7	2.221	3.071	11.5	19.1
98226 2000 SW_{146}			2 29.1 62.°34	1.°3/ 1.1 18		
1 22	11 11.82	+ 1 57.5	1.381	2.174	19.4	19.8
2 1	11 8.01	+ 2 15.0	1.322	2.197	15.3	19.6
2 11	11 1.33	+ 2 53.6	1.282	2.220	10.5	19.3
2 21	10 52.56	+ 3 48.9	1.266	2.243	5.2	19.1
3 2	10 42.90	+ 4 53.4	1.276	2.266	1.4	18.9
3 12	10 33.76	+ 5 58.0	1.313	2.289	6.0	19.3
3 22	10 26.34	+ 6 54.6	1.375	2.313	10.8	19.6
4 1	10 21.46	+ 7 37.5	1.460	2.336	15.0	19.9
194513 2001 XR_{2}			2 29.1 130.°31	7.°2/ 6.2 18		
1 22	11 19.35	−12 53.8	2.132	2.801	17.0	19.9
2 1	11 13.06	−13 53.4	2.049	2.821	14.6	19.7
2 11	11 4.39	−14 32.3	1.985	2.840	11.9	19.6
2 21	10 53.93	−14 48.1	1.945	2.859	9.2	19.4
3 2	10 42.56	−14 40.0	1.933	2.876	7.4	19.4
3 12	10 31.41	−14 11.1	1.950	2.892	7.6	19.4
3 22	10 21.50	−13 26.9	1.995	2.908	9.5	19.5
4 1	10 13.63	−12 34.5	2.065	2.922	12.0	19.7
423830 2006 MN_{10}			2 29.1 148.°36	3.°5/ 3.9 17 R		
1 22	11 8.51	− 5 26.1	2.624	3.344	13.0	21.5
2 1	11 4.27	− 5 39.4	2.529	3.349	10.8	21.3
2 11	10 58.32	− 5 37.8	2.456	3.355	8.1	21.1
2 21	10 51.10	− 5 21.7	2.409	3.360	5.4	21.0
3 2	10 43.25	− 4 53.0	2.390	3.365	3.6	20.9
3 12	10 35.50	− 4 15.1	2.401	3.370	4.5	20.9
3 22	10 28.55	− 3 32.4	2.442	3.374	7.0	21.1
4 1	10 23.00	− 2 49.5	2.509	3.378	9.7	21.3
184106 2004 HZ_{27}			2 29.1 250.°75	0.°8/29.8 18		
1 22	11 8.83	+ 2 28.0	2.138	2.907	14.1	20.8
2 1	11 5.12	+ 2 56.8	2.028	2.890	11.3	20.5
2 11	10 59.25	+ 3 41.7	1.940	2.873	7.8	20.3
2 21	10 51.67	+ 4 40.0	1.879	2.855	3.9	20.0
3 2	10 43.09	+ 5 46.9	1.846	2.837	0.9	19.7
3 12	10 34.47	+ 6 55.9	1.844	2.818	4.9	20.0
3 22	10 26.73	+ 8 0.4	1.869	2.799	9.0	20.2
4 1	10 20.71	+ 8 55.0	1.920	2.779	12.7	20.4
60615 2000 EV_{205}			2 29.1 153.°33	1.°8/27.2 18		
1 22	11 12.18	+10 57.0	2.297	3.083	12.8	19.6
2 1	11 7.30	+11 38.6	2.216	3.092	9.9	19.4
2 11	11 0.42	+12 28.5	2.159	3.101	6.5	19.2
2 21	10 52.07	+13 21.9	2.130	3.109	3.0	19.0
3 2	10 43.02	+14 13.0	2.131	3.116	2.3	19.0
3 12	10 34.18	+14 56.4	2.162	3.123	5.6	19.2
3 22	10 26.38	+15 28.3	2.222	3.129	9.0	19.4
4 1	10 20.28	+15 46.6	2.307	3.134	12.0	19.6
206304 2003 HX_{3}			2 29.1 251.°84	2.°3/27.2 17		
1 22	11 12.89	+10 48.3	1.786	2.585	15.4	21.7
2 1	11 8.79	+11 30.9	1.684	2.568	12.0	21.4
2 11	11 2.00	+12 26.1	1.604	2.549	8.0	21.1
2 21	10 53.02	+13 28.2	1.551	2.531	3.8	20.8
3 2	10 42.75	+14 29.5	1.525	2.511	3.0	20.7
3 12	10 32.43	+15 22.0	1.528	2.491	7.2	20.9
3 22	10 23.30	+15 59.4	1.558	2.470	11.7	21.1
4 1	10 16.36	+16 18.5	1.610	2.449	15.7	21.3

138585 2000 QG_{140} 2 29.1 150°.61 2°.0/ 2.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 5.62	− 2 58.1	2.909	3.641	11.6	20.6
2 1	11 1.85	− 2 34.6	2.814	3.649	9.4	20.5
2 11	10 56.61	− 1 57.1	2.743	3.656	6.8	20.3
2 21	10 50.30	− 1 7.4	2.698	3.662	4.0	20.1
3 2	10 43.46	− 0 8.6	2.684	3.668	2.1	20.0
3 12	10 36.72	+ 0 54.9	2.700	3.674	3.6	20.1
3 22	10 30.68	+ 1 58.5	2.746	3.680	6.3	20.3
4 1	10 25.85	+ 2 57.9	2.820	3.685	8.9	20.5

21815 Fanyang 2 29.1 250°.33 2°.0/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.14	− 0 1.9	1.731	2.505	16.8	18.1
2 1	11 5.78	+ 0 11.4	1.635	2.497	13.6	17.8
2 11	10 59.90	+ 0 44.7	1.560	2.490	9.6	17.6
2 21	10 52.02	+ 1 36.1	1.509	2.482	5.2	17.3
3 2	10 43.01	+ 2 40.6	1.485	2.474	2.0	17.1
3 12	10 34.06	+ 3 50.8	1.489	2.466	5.5	17.3
3 22	10 26.28	+ 4 58.6	1.520	2.458	10.0	17.5
4 1	10 20.60	+ 5 57.1	1.575	2.449	14.2	17.7

271178 2003 SX_{278} 2 29.1 215°.27 0°.5/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.82	+ 7 51.7	2.678	3.449	11.5	21.7
2 1	11 6.08	+ 8 10.1	2.573	3.440	9.0	21.5
2 11	10 59.56	+ 8 36.9	2.494	3.431	6.0	21.3
2 21	10 51.70	+ 9 9.3	2.442	3.421	2.7	21.1
3 2	10 43.11	+ 9 43.3	2.421	3.411	1.0	20.9
3 12	10 34.58	+10 14.8	2.431	3.400	4.4	21.2
3 22	10 26.83	+10 40.3	2.471	3.389	7.7	21.4
4 1	10 20.50	+10 57.2	2.537	3.377	10.6	21.5

259197 2003 AA_{39} 2 29.1 34°.35 1°.5/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.87	+ 1 16.5	1.300	2.104	19.8	19.9
2 1	11 4.37	+ 1 36.6	1.242	2.122	15.6	19.7
2 11	10 59.01	+ 2 19.8	1.202	2.142	10.8	19.4
2 21	10 51.55	+ 3 21.7	1.185	2.162	5.4	19.2
3 2	10 43.17	+ 4 34.3	1.193	2.183	1.6	19.0
3 12	10 35.26	+ 5 47.5	1.227	2.205	6.1	19.3
3 22	10 29.02	+ 6 52.2	1.286	2.228	11.0	19.7
4 1	10 25.26	+ 7 42.0	1.367	2.251	15.2	20.0

224403 2005 UF_{305} 2 29.1 159°.06 0°.6/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.15	+ 6 19.0	2.332	3.109	12.9	22.0
2 1	11 4.96	+ 7 5.9	2.245	3.115	10.0	21.8
2 11	10 58.88	+ 8 4.8	2.182	3.121	6.6	21.6
2 21	10 51.39	+ 9 11.6	2.147	3.127	2.9	21.3
3 2	10 43.20	+10 20.6	2.142	3.132	1.2	21.2
3 12	10 35.16	+11 25.6	2.168	3.136	4.9	21.5
3 22	10 28.06	+12 21.5	2.222	3.140	8.4	21.7
4 1	10 22.54	+13 4.8	2.302	3.143	11.5	21.9

324569 2006 WM_{152} 2 29.1 137°.53 0°.3/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.00	+ 3 28.9	2.110	2.882	14.2	21.8
2 1	11 5.78	+ 4 9.0	2.028	2.893	11.2	21.6
2 11	10 59.49	+ 5 4.0	1.969	2.904	7.5	21.4
2 21	10 51.68	+ 6 9.9	1.937	2.915	3.5	21.2
3 2	10 43.13	+ 7 21.0	1.934	2.924	0.8	21.0
3 12	10 34.79	+ 8 30.4	1.961	2.934	4.9	21.3
3 22	10 27.51	+ 9 32.2	2.017	2.943	8.7	21.6
4 1	10 21.99	+10 22.0	2.098	2.951	12.0	21.8

499916 2011 GP_{76} 2 29.1 315°.34 2°.8/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.25	+10 43.7	1.748	2.563	15.0	21.3
2 1	11 2.80	+11 47.6	1.655	2.548	11.6	21.0
2 11	10 57.93	+13 5.9	1.583	2.533	7.7	20.8
2 21	10 51.13	+14 31.8	1.538	2.518	3.8	20.5
3 2	10 43.24	+15 56.7	1.520	2.504	3.5	20.4
3 12	10 35.39	+17 11.3	1.530	2.490	7.5	20.6
3 22	10 28.66	+18 8.6	1.565	2.476	11.7	20.9
4 1	10 23.97	+18 44.7	1.622	2.463	15.5	21.1

136478 2005 GD_{63} 2 29.1 221°.95 0°.7/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.95	+ 3 11.6	2.063	2.833	14.6	21.0
2 1	11 6.78	+ 3 35.3	1.960	2.824	11.6	20.7
2 11	11 0.36	+ 4 14.4	1.880	2.814	8.0	20.5
2 21	10 52.18	+ 5 6.0	1.827	2.804	3.9	20.2
3 2	10 43.00	+ 6 5.0	1.802	2.792	0.9	20.0
3 12	10 33.85	+ 7 5.1	1.807	2.781	5.1	20.2
3 22	10 25.70	+ 8 0.1	1.840	2.769	9.2	20.4
4 1	10 19.37	+ 8 45.0	1.899	2.756	12.9	20.7

325230 2008 GJ_{43} 2 29.1 80°.12 2°.1/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.51	+11 7.5	1.724	2.527	15.7	21.1
2 1	11 8.11	+11 42.3	1.657	2.543	12.1	20.9
2 11	11 1.21	+12 27.0	1.612	2.558	7.9	20.6
2 21	10 52.49	+13 15.6	1.593	2.574	3.7	20.4
3 2	10 42.96	+14 1.0	1.603	2.589	2.7	20.4
3 12	10 33.83	+14 36.7	1.640	2.604	6.7	20.7
3 22	10 26.12	+14 58.5	1.704	2.619	10.7	20.9
4 1	10 20.62	+15 4.6	1.790	2.634	14.2	21.2

332389 2007 GW_{52} 2 29.1 79°.00 6°.7/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 5.83	−14 35.0	2.028	2.718	17.2	20.2
2 1	11 2.82	−14 42.5	1.934	2.722	14.8	20.0
2 11	10 57.68	−14 23.9	1.859	2.725	12.1	19.9
2 21	10 50.93	−13 38.0	1.806	2.729	9.2	19.7
3 2	10 43.32	−12 26.1	1.779	2.732	7.0	19.6
3 12	10 35.83	−10 53.7	1.779	2.736	6.9	19.6
3 22	10 29.36	− 9 9.1	1.806	2.739	9.0	19.7
4 1	10 24.67	− 7 21.6	1.859	2.743	11.8	19.9

497648 2006 RG_{47} 2 29.1 145°.49 1°.1/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.88	+ 9 45.3	2.639	3.424	11.4	22.5
2 1	11 3.75	+10 16.3	2.553	3.429	8.8	22.3
2 11	10 57.95	+10 54.9	2.492	3.434	5.8	22.1
2 21	10 50.93	+11 37.5	2.459	3.439	2.6	21.9
3 2	10 43.33	+12 19.6	2.456	3.444	1.6	21.8
3 12	10 35.88	+12 56.9	2.484	3.449	4.6	22.1
3 22	10 29.26	+13 26.0	2.539	3.453	7.7	22.3
4 1	10 24.03	+13 44.6	2.621	3.457	10.4	22.5

40496 1999 RD_{76} 2 29.1 147°.76 1°.3/ 1.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.69	+ 1 1.4	2.144	2.910	14.2	19.8
2 1	11 4.02	+ 1 27.0	2.054	2.913	11.3	19.6
2 11	10 58.36	+ 2 8.7	1.987	2.917	7.9	19.4
2 21	10 51.20	+ 3 3.6	1.946	2.920	4.1	19.1
3 2	10 43.27	+ 4 7.0	1.934	2.924	1.3	18.9
3 12	10 35.48	+ 5 12.6	1.951	2.927	4.5	19.2
3 22	10 28.66	+ 6 14.4	1.997	2.929	8.3	19.4
4 1	10 23.52	+ 7 7.3	2.068	2.932	11.7	19.6

198955 2005 UJ_{355} 2 29.1 121°.98 1°.6/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.61	+ 2 7.3	1.551	2.333	18.1	21.0
2 1	11 9.35	+ 2 13.2	1.474	2.342	14.4	20.8
2 11	11 2.29	+ 2 37.8	1.417	2.351	10.0	20.6
2 21	10 53.08	+ 3 18.1	1.384	2.359	5.1	20.3
3 2	10 42.81	+ 4 8.6	1.377	2.367	1.6	20.1
3 12	10 32.84	+ 5 1.7	1.399	2.375	5.9	20.4
3 22	10 24.38	+ 5 50.0	1.447	2.383	10.6	20.7
4 1	10 18.35	+ 6 27.8	1.518	2.390	14.8	20.9

106928 2000 YQ_{62} 2 29.1 16°.55 3°.5/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.99	− 0 44.1	1.493	2.271	18.8	19.2
2 1	11 7.51	− 1 8.5	1.410	2.272	15.3	19.0
2 11	11 1.19	− 1 13.1	1.347	2.274	11.1	18.7
2 21	10 52.64	− 0 58.5	1.307	2.276	6.6	18.5
3 2	10 42.91	− 0 27.9	1.293	2.278	3.5	18.3
3 12	10 33.37	+ 0 12.5	1.305	2.281	6.2	18.4
3 22	10 25.30	+ 0 55.2	1.342	2.284	10.7	18.7
4 1	10 19.67	+ 1 33.2	1.402	2.287	14.9	19.0

422177 2014 RS_{20} 2 29.1 155°.01 1°.6/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.72	+ 9 30.0	2.180	2.963	13.4	22.3
2 1	11 7.84	+10 16.4	2.098	2.973	10.4	22.1
2 11	11 0.86	+11 13.0	2.040	2.982	6.8	21.9
2 21	10 52.31	+12 14.7	2.010	2.990	3.1	21.7
3 2	10 43.01	+13 15.3	2.011	2.998	2.1	21.6
3 12	10 33.92	+14 8.6	2.041	3.004	5.7	21.9
3 22	10 25.92	+14 50.0	2.100	3.010	9.3	22.1
4 1	10 19.72	+15 17.0	2.184	3.015	12.4	22.3

79475 1998 BD_{17} 2 29.1 148°.99 1°.4/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.30	+ 9 17.9	2.605	3.391	11.4	20.3
2 1	11 2.58	+10 10.9	2.519	3.397	8.8	20.2
2 11	10 57.21	+11 13.1	2.459	3.402	5.8	20.0
2 21	10 50.61	+12 20.0	2.426	3.407	2.6	19.8
3 2	10 43.42	+13 26.3	2.425	3.411	1.9	19.7
3 12	10 36.35	+14 26.6	2.453	3.415	4.9	19.9
3 22	10 30.10	+15 16.8	2.510	3.419	8.0	20.1
4 1	10 25.21	+15 54.1	2.593	3.423	10.7	20.3

237622 2001 RU_{71} 2 29.1 94°.69 6°.2/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.21	−18 1.1	2.527	3.176	15.0	20.4
2 1	11 1.84	−17 47.9	2.435	3.189	13.1	20.2
2 11	10 56.75	−17 10.4	2.362	3.202	10.8	20.1
2 21	10 50.41	−16 8.3	2.311	3.215	8.4	19.9
3 2	10 43.47	−14 43.5	2.288	3.228	6.6	19.8
3 12	10 36.70	−13 0.8	2.293	3.241	6.3	19.8
3 22	10 30.78	−11 7.6	2.327	3.253	7.7	19.9
4 1	10 26.31	− 9 11.5	2.389	3.265	9.9	20.1

369897 2012 TY_{229} 2 29.1 292°.54 4°.1/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.72	− 6 8.6	2.259	2.989	14.6	21.3
2 1	11 3.26	− 6 19.9	2.160	2.986	12.1	21.1
2 11	10 57.87	− 6 13.3	2.081	2.983	9.2	20.9
2 21	10 50.99	− 5 49.1	2.028	2.980	6.2	20.7
3 2	10 43.32	− 5 9.0	2.002	2.977	4.2	20.6
3 12	10 35.71	− 4 17.6	2.004	2.974	5.1	20.6
3 22	10 28.99	− 3 20.4	2.034	2.971	7.9	20.8
4 1	10 23.84	− 2 23.4	2.090	2.968	11.0	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
426471	2013 QA_{93}		2 29.1	178°.70	0°.6/29.6	17
	h m	° ′			°	m
1 22	11 11.22	+ 4 25.6	2.151	2.923	14.0	22.0
2 1	11 6.77	+ 4 35.8	2.059	2.924	11.1	21.8
2 11	11 0.21	+ 4 58.6	1.990	2.924	7.6	21.6
2 21	10 52.06	+ 5 30.9	1.948	2.925	3.6	21.3
3 2	10 43.08	+ 6 8.8	1.934	2.925	0.8	21.1
3 12	10 34.24	+ 6 46.9	1.951	2.924	4.7	21.4
3 22	10 26.43	+ 7 20.5	1.995	2.924	8.6	21.6
4 1	10 20.38	+ 7 45.9	2.065	2.923	12.0	21.8
57670	2001 UB_{30}		2 29.1	78°.96	2°.7/26.0	18
1 22	11 8.49	+13 32.1	2.326	3.125	12.2	19.8
2 1	11 4.34	+14 30.0	2.264	3.148	9.3	19.7
2 11	10 58.38	+15 34.0	2.227	3.172	6.1	19.5
2 21	10 51.13	+16 38.5	2.218	3.195	3.3	19.4
3 2	10 43.34	+17 37.3	2.238	3.218	3.3	19.4
3 12	10 35.85	+18 25.2	2.289	3.240	6.0	19.6
3 22	10 29.38	+18 59.1	2.366	3.263	9.0	19.8
4 1	10 24.50	+19 17.4	2.468	3.285	11.6	20.1
138532	2000 OA_{40}		2 29.1	219°.15	4°.0/ 4.9	18
1 22	11 6.60	− 8 29.3	2.824	3.525	12.6	20.7
2 1	11 2.79	− 8 35.5	2.713	3.518	10.6	20.6
2 11	10 57.37	− 8 25.8	2.624	3.510	8.2	20.4
2 21	10 50.73	− 8 0.1	2.561	3.502	5.8	20.2
3 2	10 43.42	− 7 20.0	2.526	3.494	4.1	20.1
3 12	10 36.13	− 6 28.7	2.521	3.485	4.6	20.1
3 22	10 29.51	− 5 30.9	2.545	3.476	6.8	20.2
4 1	10 24.16	− 4 31.5	2.596	3.467	9.4	20.4
496870	2000 QE_{227}		2 29.1	170°.10	2°.0/ 2.7	18
1 22	11 7.69	− 1 48.8	3.238	3.966	10.6	22.7
2 1	11 3.30	− 1 46.4	3.138	3.970	8.6	22.6
2 11	10 57.52	− 1 32.9	3.062	3.973	6.2	22.4
2 21	10 50.73	− 1 9.5	3.013	3.976	3.7	22.2
3 2	10 43.43	− 0 38.4	2.995	3.979	2.0	22.1
3 12	10 36.22	− 0 2.6	3.008	3.981	3.4	22.2
3 22	10 29.63	+ 0 34.5	3.052	3.982	5.9	22.4
4 1	10 24.16	+ 1 9.6	3.123	3.984	8.3	22.5
278656	2008 RR_{46}		2 29.1	79°.48	0°.6/29.7	17
1 22	11 8.12	+ 3 42.8	2.031	2.810	14.5	21.0
2 1	11 4.46	+ 4 3.4	1.946	2.815	11.4	20.8
2 11	10 58.71	+ 4 38.4	1.883	2.819	7.8	20.6
2 21	10 51.38	+ 5 24.3	1.847	2.824	3.7	20.3
3 2	10 43.27	+ 6 16.3	1.839	2.829	0.8	20.1
3 12	10 35.34	+ 7 8.4	1.859	2.834	4.8	20.4
3 22	10 28.46	+ 7 54.9	1.908	2.839	8.8	20.7
4 1	10 23.36	+ 8 31.5	1.981	2.844	12.2	20.9
26351	1998 XG_{95}		2 29.1	53°.99	4°.3/25.1	18 R
1 22	11 7.93	+13 15.6	1.538	2.361	16.3	17.6
2 1	11 4.95	+14 45.8	1.476	2.374	12.4	17.4
2 11	10 59.32	+16 27.5	1.438	2.388	8.3	17.2
2 21	10 51.71	+18 10.9	1.425	2.401	4.8	17.0
3 2	10 43.20	+19 44.7	1.439	2.415	5.2	17.0
3 12	10 35.06	+20 59.5	1.480	2.430	8.8	17.3
3 22	10 28.40	+21 49.8	1.546	2.444	12.7	17.5
4 1	10 24.04	+22 14.4	1.633	2.459	16.1	17.8
426117	2012 FJ_{68}		2 29.1	202°.12	0°.1/29.0	16
1 22	11 7.30	+ 3 9.4	1.958	2.738	14.9	22.0
2 1	11 4.00	+ 4 5.2	1.865	2.736	11.7	21.8
2 11	10 58.52	+ 5 19.3	1.796	2.734	7.9	21.5
2 21	10 51.35	+ 6 47.1	1.753	2.732	3.6	21.2
3 2	10 43.27	+ 8 21.5	1.739	2.730	0.9	21.0
3 12	10 35.30	+ 9 54.1	1.755	2.727	5.4	21.3
3 22	10 28.37	+11 17.1	1.798	2.724	9.5	21.6
4 1	10 23.26	+12 24.9	1.866	2.721	13.2	21.8
236234	2005 YJ_{18}		2 29.1	2°.58	6°.1/24.6	18
1 22	11 11.04	+17 19.0	1.276	2.113	18.2	20.5
2 1	11 8.12	+18 32.7	1.209	2.112	14.2	20.2
2 11	11 1.88	+19 55.5	1.162	2.112	9.8	20.0
2 21	10 53.03	+21 16.2	1.139	2.112	6.5	19.8
3 2	10 42.88	+22 22.1	1.140	2.113	7.1	19.8
3 12	10 33.09	+23 3.4	1.167	2.113	11.0	20.0
3 22	10 25.15	+23 15.8	1.215	2.115	15.3	20.3
4 1	10 20.13	+22 59.8	1.283	2.117	19.2	20.5
517712	2015 HO_{155}		2 29.1	22°.02	6°.1/ 6.2	18
1 22	11 4.75	−10 52.5	1.877	2.599	17.4	20.7
2 1	11 2.09	−11 13.3	1.793	2.606	14.8	20.5
2 11	10 57.25	−11 9.9	1.727	2.613	11.7	20.3
2 21	10 50.76	−10 41.5	1.684	2.620	8.6	20.1
3 2	10 43.43	− 9 49.6	1.665	2.629	6.4	20.0
3 12	10 36.26	− 8 39.9	1.674	2.637	6.6	20.0
3 22	10 30.18	− 7 19.9	1.709	2.647	9.1	20.2
4 1	10 25.94	− 5 58.1	1.768	2.657	12.1	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
128451	2004 NC_{25}		2 29.1	140°.29	1°.3/27.9	18
	h m	° ′			°	m
1 22	11 16.84	+ 9 36.1	2.078	2.857	14.2	20.7
2 1	11 11.05	+10 4.9	2.001	2.873	11.0	20.5
2 11	11 3.00	+10 43.1	1.948	2.888	7.3	20.3
2 21	10 53.29	+11 25.9	1.923	2.902	3.3	20.1
3 2	10 42.84	+12 7.6	1.928	2.916	1.8	20.0
3 12	10 32.70	+12 42.6	1.963	2.928	5.6	20.2
3 22	10 23.82	+13 7.1	2.026	2.939	9.4	20.5
4 1	10 16.93	+13 19.0	2.115	2.950	12.6	20.7
37575	1990 QD_7		2 29.1	195°.24	0°.2/28.8	17
1 22	11 8.43	+ 5 24.8	2.399	3.173	12.6	20.6
2 1	11 4.44	+ 6 2.5	2.302	3.170	9.9	20.4
2 11	10 58.58	+ 6 52.6	2.230	3.168	6.6	20.1
2 21	10 51.31	+ 7 51.4	2.186	3.165	3.0	19.9
3 2	10 43.30	+ 8 53.8	2.171	3.161	0.9	19.7
3 12	10 35.38	+ 9 54.2	2.187	3.157	4.6	20.0
3 22	10 28.33	+10 47.5	2.231	3.153	8.2	20.2
4 1	10 22.79	+11 29.9	2.301	3.148	11.3	20.4
74531	1999 GR_{40}		2 29.1	246°.97	5°.1/23.5	18
1 22	11 10.06	+22 4.8	2.328	3.136	11.9	18.7
2 1	11 5.84	+23 2.0	2.247	3.132	9.4	18.6
2 11	10 59.57	+24 0.1	2.192	3.128	6.8	18.4
2 21	10 51.76	+24 52.6	2.164	3.124	5.2	18.3
3 2	10 43.20	+25 33.2	2.164	3.120	5.8	18.3
3 12	10 34.82	+25 57.1	2.193	3.116	8.1	18.4
3 22	10 27.47	+26 2.2	2.248	3.112	10.8	18.6
4 1	10 21.86	+25 48.4	2.325	3.108	13.3	18.8
270743	2002 RD_{33}		2 29.1	160°.57	0°.2/28.9	18
1 22	11 13.64	+ 6 36.6	2.144	2.918	14.0	21.6
2 1	11 8.61	+ 6 52.9	2.057	2.924	10.9	21.4
2 11	11 1.42	+ 7 20.3	1.993	2.930	7.3	21.2
2 21	10 52.62	+ 7 55.3	1.956	2.935	3.3	20.9
3 2	10 43.01	+ 8 33.1	1.949	2.940	0.9	20.7
3 12	10 33.60	+ 9 8.5	1.972	2.944	5.0	21.0
3 22	10 25.29	+ 9 37.1	2.024	2.947	8.8	21.3
4 1	10 18.82	+ 9 55.8	2.101	2.950	12.2	21.5
464818	2004 TV_{26}		2 29.1	255°.24	2°.8/ 3.0	17
1 22	11 8.21	− 4 0.4	2.367	3.102	13.9	22.3
2 1	11 4.50	− 3 41.8	2.245	3.079	11.4	22.1
2 11	10 58.80	− 3 4.7	2.144	3.056	8.4	21.9
2 21	10 51.51	− 2 10.0	2.070	3.033	5.2	21.6
3 2	10 43.26	− 1 0.6	2.025	3.008	2.8	21.4
3 12	10 34.91	+ 0 18.1	2.009	2.984	4.6	21.5
3 22	10 27.30	+ 1 39.3	2.023	2.958	8.1	21.7
4 1	10 21.21	+ 2 56.6	2.064	2.932	11.6	21.8
246372	2007 TM_{414}		2 29.1	78°.74	3°.4/25.2	18
1 22	11 6.89	+14 22.1	2.210	3.017	12.5	20.7
2 1	11 3.33	+15 38.0	2.142	3.030	9.6	20.5
2 11	10 57.85	+17 1.0	2.098	3.044	6.4	20.3
2 21	10 50.96	+18 24.1	2.083	3.058	3.7	20.2
3 2	10 43.43	+19 40.4	2.097	3.072	4.0	20.2
3 12	10 36.12	+20 43.3	2.140	3.086	6.8	20.4
3 22	10 29.83	+21 29.1	2.210	3.099	9.9	20.6
4 1	10 25.20	+21 56.2	2.304	3.113	12.6	20.8
243000	Katysirles		2 29.1	144°.33	1°.3/27.5	17
1 22	11 5.62	+ 8 44.2	2.533	3.320	11.7	20.6
2 1	11 2.14	+ 9 37.1	2.445	3.324	9.0	20.5
2 11	10 56.97	+10 39.9	2.383	3.326	5.9	20.3
2 21	10 50.56	+11 48.1	2.349	3.329	2.6	20.0
3 2	10 43.52	+12 56.3	2.345	3.332	1.8	20.0
3 12	10 36.60	+13 58.9	2.371	3.335	4.9	20.2
3 22	10 30.50	+14 51.5	2.426	3.337	8.1	20.4
4 1	10 25.78	+15 31.0	2.505	3.340	10.9	20.6
26963	Palorapavý		2 29.1	143°.25	1°.7/ 1.7	18
1 22	11 12.35	+ 0 51.4	2.251	3.003	14.0	20.0
2 1	11 7.48	+ 0 55.4	2.164	3.014	11.2	19.9
2 11	11 0.60	+ 1 13.4	2.100	3.024	7.9	19.7
2 21	10 52.23	+ 1 43.3	2.063	3.034	4.3	19.5
3 2	10 43.13	+ 2 21.6	2.055	3.044	1.7	19.3
3 12	10 34.23	+ 3 3.4	2.078	3.052	4.4	19.5
3 22	10 26.35	+ 3 43.8	2.129	3.060	8.0	19.7
4 1	10 20.18	+ 4 18.6	2.207	3.068	11.2	19.9
456988	2008 CQ_{14}		2 29.1	7°.04	3°.1/26.3	18
1 22	11 7.81	+11 4.7	1.595	2.412	16.1	20.8
2 1	11 4.90	+12 12.8	1.518	2.412	12.4	20.6
2 11	10 59.37	+13 34.8	1.463	2.412	8.2	20.3
2 21	10 51.81	+15 3.0	1.433	2.413	4.1	20.1
3 2	10 43.22	+16 27.5	1.430	2.413	3.9	20.0
3 12	10 34.83	+17 38.8	1.455	2.414	7.9	20.3
3 22	10 27.80	+18 30.4	1.505	2.415	12.2	20.5
4 1	10 23.02	+18 59.3	1.576	2.417	15.9	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
292494	2006 SM_{412}		2 29.1	218°.30	3°.2/25.2	18
	h m	° ′			°	m
1 22	11 12.03	+19 7.3	3.061	3.849	9.8	21.5
2 1	11 6.83	+19 39.1	2.963	3.840	7.7	21.3
2 11	10 59.98	+20 12.4	2.892	3.829	5.3	21.2
2 21	10 51.91	+20 43.0	2.850	3.819	3.4	21.0
3 2	10 43.23	+21 6.8	2.839	3.808	3.6	21.0
3 12	10 34.63	+21 20.2	2.858	3.796	5.7	21.1
3 22	10 26.80	+21 21.5	2.906	3.783	8.2	21.3
4 1	10 20.31	+21 10.2	2.980	3.771	10.5	21.4
459068	2012 BM_{29}		2 29.1	20°.27	1°.4/ 1.0	18
1 22	11 9.22	+ 3 46.5	1.280	2.089	19.7	20.5
2 1	11 6.45	+ 3 38.0	1.211	2.095	15.7	20.3
2 11	11 0.62	+ 3 48.4	1.160	2.102	10.8	20.0
2 21	10 52.44	+ 4 14.9	1.132	2.110	5.4	19.7
3 2	10 43.10	+ 4 51.4	1.129	2.119	1.5	19.5
3 12	10 34.12	+ 5 30.2	1.151	2.129	6.4	19.8
3 22	10 26.84	+ 6 3.6	1.197	2.139	11.6	20.2
4 1	10 22.25	+ 6 26.2	1.264	2.151	16.1	20.4
33267	1998 HY_{93}		2 29.1	235°.63	0°.9/28.1	18
1 22	11 8.02	+ 9 19.7	2.667	3.449	11.3	18.7
2 1	11 3.95	+ 9 43.7	2.567	3.441	8.8	18.5
2 11	10 58.18	+10 15.5	2.492	3.433	5.8	18.3
2 21	10 51.13	+10 51.8	2.445	3.425	2.6	18.1
3 2	10 43.41	+11 28.7	2.428	3.417	1.4	18.0
3 12	10 35.76	+12 1.7	2.441	3.408	4.6	18.2
3 22	10 28.88	+12 27.4	2.483	3.399	7.7	18.4
4 1	10 23.37	+12 43.5	2.551	3.390	10.6	18.6
323135	2003 BN_{75}		2 29.1	76°.97	4°.8/25.7	18
1 22	11 17.26	+19 17.7	1.721	2.530	15.4	19.9
2 1	11 11.85	+19 50.5	1.658	2.545	12.0	19.8
2 11	11 3.74	+20 25.2	1.617	2.559	8.3	19.6
2 21	10 53.68	+20 54.3	1.602	2.573	5.2	19.4
3 2	10 42.83	+21 11.0	1.615	2.588	5.4	19.4
3 12	10 32.49	+21 10.4	1.656	2.602	8.4	19.7
3 22	10 23.79	+20 51.3	1.723	2.616	11.9	19.9
4 1	10 17.52	+20 15.0	1.812	2.630	15.1	20.1
19365	1997 VL_{5}		2 29.1	250°.69	5°.2/24.8	18
1 22	11 14.33	+18 4.4	1.720	2.533	15.3	18.6
2 1	11 10.06	+19 5.2	1.629	2.519	12.0	18.4
2 11	11 2.94	+20 12.8	1.561	2.505	8.4	18.1
2 21	10 53.52	+21 18.9	1.519	2.490	5.5	17.9
3 2	10 42.82	+22 13.9	1.504	2.475	6.0	17.9
3 12	10 32.19	+22 49.8	1.517	2.459	9.4	18.1
3 22	10 22.92	+23 2.4	1.555	2.442	13.3	18.3
4 1	10 16.06	+22 51.4	1.614	2.426	16.9	18.5
200736	2001 VE_{67}		2 29.1	134°.25	3°.6/26.2	18
1 22	11 15.90	+14 32.5	1.719	2.523	15.7	20.4
2 1	11 10.89	+15 21.7	1.648	2.534	12.1	20.2
2 11	11 3.18	+16 18.7	1.600	2.545	8.1	20.0
2 21	10 53.49	+17 16.0	1.578	2.555	4.4	19.8
3 2	10 42.87	+18 5.4	1.585	2.565	4.3	19.8
3 12	10 32.62	+18 40.0	1.620	2.574	7.8	20.1
3 22	10 23.89	+18 56.3	1.681	2.582	11.7	20.3
4 1	10 17.52	+18 53.6	1.765	2.590	15.1	20.5
163086	2002 AS_{71}		2 29.1	291°.31	4°.7/25.3	18
1 22	11 9.92	+14 33.2	1.457	2.283	16.9	19.5
2 1	11 7.01	+15 42.3	1.373	2.271	13.2	19.2
2 11	11 1.09	+17 3.9	1.310	2.260	8.9	19.0
2 21	10 52.73	+18 29.0	1.272	2.248	5.2	18.7
3 2	10 43.01	+19 46.4	1.260	2.237	5.6	18.7
3 12	10 33.39	+20 45.5	1.274	2.226	9.7	18.9
3 22	10 25.27	+21 20.0	1.311	2.215	14.1	19.1
4 1	10 19.74	+21 28.1	1.369	2.204	18.2	19.3
243442	2009 FS_{6}		2 29.1	223°.08	2°.1/27.2	17
1 22	11 12.21	+10 48.3	1.954	2.749	14.4	21.3
2 1	11 7.93	+11 31.2	1.859	2.740	11.2	21.0
2 11	11 1.24	+12 25.1	1.787	2.732	7.4	20.8
2 21	10 52.67	+13 24.5	1.742	2.722	3.5	20.5
3 2	10 43.06	+14 22.6	1.727	2.712	2.7	20.4
3 12	10 33.53	+15 12.1	1.740	2.702	6.6	20.7
3 22	10 25.12	+15 48.1	1.780	2.691	10.6	20.9
4 1	10 18.70	+16 7.6	1.844	2.679	14.2	21.1
55806	1994 PB_{26}		2 29.1	35°.34	1°.4/27.7	18
1 22	11 6.41	+ 9 3.3	2.003	2.803	13.9	18.7
2 1	11 3.14	+ 9 42.5	1.929	2.813	10.7	18.5
2 11	10 57.82	+10 32.6	1.878	2.824	7.0	18.3
2 21	10 51.00	+11 28.4	1.854	2.834	3.1	18.1
3 2	10 43.48	+12 23.9	1.858	2.846	1.9	18.0
3 12	10 36.20	+13 12.8	1.890	2.857	5.6	18.3
3 22	10 30.00	+13 50.4	1.949	2.869	9.3	18.6
4 1	10 25.56	+14 13.9	2.033	2.881	12.5	18.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
107577	2001 DS_{95}		2 29.1	315°.33	2°.6/27.2	18
	h m	° ′			°	m
1 22	11 8.16	+10 24.8	1.432	2.253	17.4	19.7
2 1	11 5.65	+11 8.3	1.343	2.239	13.6	19.4
2 11	11 0.19	+12 7.1	1.276	2.226	9.0	19.1
2 21	10 52.34	+13 14.7	1.232	2.213	4.3	18.8
3 2	10 43.13	+14 21.8	1.215	2.201	3.4	18.7
3 12	10 33.99	+15 18.5	1.223	2.189	8.1	18.9
3 22	10 26.28	+15 57.4	1.255	2.178	13.1	19.1
4 1	10 21.11	+16 14.7	1.309	2.167	17.5	19.4
177889	2005 QZ_{143}		2 29.1	236°.18	1°.5/27.2	18
1 22	11 4.54	+ 8 21.5	2.501	3.290	11.8	20.1
2 1	11 1.39	+ 9 28.2	2.409	3.289	9.1	19.9
2 11	10 56.54	+10 46.2	2.343	3.287	5.9	19.7
2 21	10 50.41	+12 10.6	2.305	3.285	2.7	19.5
3 2	10 43.62	+13 35.3	2.297	3.283	2.0	19.4
3 12	10 36.91	+14 53.9	2.319	3.281	5.2	19.6
3 22	10 30.99	+16 1.3	2.370	3.280	8.4	19.8
4 1	10 26.45	+16 54.1	2.447	3.278	11.2	20.0
421364	2013 TY_{128}		2 29.1	184°.87	2°.4/ 2.3	17
1 22	11 9.73	− 0 33.4	2.082	2.839	14.9	21.7
2 1	11 5.74	− 0 34.7	1.988	2.839	12.0	21.5
2 11	10 59.62	− 0 20.1	1.916	2.839	8.6	21.3
2 21	10 51.87	+ 0 9.0	1.870	2.838	4.9	21.0
3 2	10 43.27	+ 0 49.2	1.851	2.838	2.4	20.9
3 12	10 34.77	+ 1 35.3	1.862	2.837	4.8	21.0
3 22	10 27.29	+ 2 21.8	1.901	2.836	8.5	21.2
4 1	10 21.57	+ 3 3.3	1.965	2.835	11.9	21.5
171389	2006 PV_{12}		2 29.1	216°.20	0°.5/29.6	17
1 22	11 7.73	+ 4 16.4	2.545	3.313	12.2	21.1
2 1	11 3.80	+ 4 35.0	2.446	3.309	9.6	20.9
2 11	10 58.13	+ 5 4.7	2.370	3.304	6.5	20.7
2 21	10 51.13	+ 5 43.1	2.322	3.299	3.1	20.4
3 2	10 43.45	+ 6 26.4	2.303	3.294	0.7	20.2
3 12	10 35.84	+ 7 9.9	2.315	3.288	4.1	20.5
3 22	10 29.02	+ 7 49.3	2.355	3.283	7.5	20.7
4 1	10 23.62	+ 8 21.2	2.422	3.277	10.5	20.9
337711	2001 UR_{22}		2 29.1	101°.23	3°.4/ 4.2	17
1 22	11 7.11	− 6 18.0	2.555	3.275	13.3	21.2
2 1	11 3.20	− 6 13.8	2.470	3.291	11.0	21.0
2 11	10 57.64	− 5 52.9	2.408	3.307	8.3	20.9
2 21	10 50.87	− 5 16.4	2.371	3.323	5.4	20.7
3 2	10 43.53	− 4 27.0	2.362	3.339	3.5	20.6
3 12	10 36.37	− 3 29.0	2.384	3.354	4.4	20.7
3 22	10 30.04	− 2 27.8	2.434	3.369	6.9	20.9
4 1	10 25.12	− 1 28.4	2.512	3.384	9.6	21.1
332167	2005 YT_{228}		2 29.1	161°.03	1°.6/27.4	18
1 22	11 9.15	+ 9 38.7	2.233	3.024	13.0	21.5
2 1	11 5.12	+10 26.9	2.149	3.028	10.0	21.3
2 11	10 59.10	+11 25.4	2.088	3.031	6.6	21.1
2 21	10 51.60	+12 29.0	2.055	3.035	3.0	20.9
3 2	10 43.35	+13 31.7	2.051	3.038	2.2	20.8
3 12	10 35.27	+14 27.5	2.078	3.040	5.6	21.1
3 22	10 28.17	+15 11.6	2.132	3.043	9.1	21.3
4 1	10 22.74	+15 41.4	2.211	3.045	12.2	21.5
274230	2008 KU_{36}		2 29.1	168°.86	0°.1/29.1	16
1 22	11 8.52	+ 4 12.7	2.261	3.034	13.4	21.5
2 1	11 4.61	+ 4 57.1	2.171	3.038	10.5	21.3
2 11	10 58.76	+ 5 55.5	2.104	3.041	7.0	21.1
2 21	10 51.45	+ 7 4.1	2.064	3.043	3.2	20.8
3 2	10 43.40	+ 8 17.4	2.055	3.045	0.8	20.6
3 12	10 35.47	+ 9 28.7	2.075	3.047	4.7	20.9
3 22	10 28.47	+10 32.3	2.124	3.048	8.4	21.1
4 1	10 23.08	+11 23.9	2.199	3.048	11.7	21.3
49590	1999 DZ_{1}		2 29.1	196°.72	3°.0/25.6	18
1 22	11 6.59	+13 38.7	2.288	3.092	12.2	18.5
2 1	11 3.15	+14 46.4	2.204	3.092	9.4	18.3
2 11	10 57.81	+16 2.2	2.145	3.091	6.3	18.1
2 21	10 51.02	+17 20.0	2.114	3.091	3.5	17.9
3 2	10 43.50	+18 32.9	2.113	3.090	3.7	17.9
3 12	10 36.10	+19 34.6	2.140	3.089	6.5	18.1
3 22	10 29.64	+20 20.9	2.195	3.089	9.7	18.3
4 1	10 24.76	+20 49.5	2.273	3.088	12.5	18.5
205945	2002 JH_{71}		2 29.1	295°.15	2°.0/27.4	17
1 22	11 7.70	+ 8 19.4	1.512	2.325	17.0	20.6
2 1	11 5.24	+ 9 12.2	1.413	2.305	13.3	20.3
2 11	10 59.94	+10 23.6	1.336	2.285	8.9	20.0
2 21	10 52.27	+11 47.9	1.283	2.264	4.1	19.7
3 2	10 43.17	+13 15.6	1.257	2.244	2.8	19.5
3 12	10 33.99	+14 36.0	1.257	2.224	7.8	19.8
3 22	10 26.08	+15 40.0	1.282	2.204	12.9	20.0
4 1	10 20.57	+16 21.9	1.328	2.185	17.4	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
30733 1981 EJ_3		2 29.1	62°.75	3°.9/ 2.9 18		
	h m	° ′			°	m
1 22	11 13.82	− 1 53.8	1.714	2.471	17.6	18.4
2 1	11 9.18	− 2 29.4	1.641	2.489	14.3	18.2
2 11	11 2.01	− 2 47.1	1.589	2.506	10.5	18.0
2 21	10 52.97	− 2 47.4	1.561	2.524	6.5	17.8
3 2	10 43.06	− 2 32.4	1.560	2.542	3.9	17.7
3 12	10 33.49	− 2 7.1	1.587	2.560	5.7	17.8
3 22	10 25.34	− 1 37.4	1.641	2.579	9.4	18.1
4 1	10 19.40	− 1 8.9	1.720	2.597	13.0	18.3
146501 2001 SD_{41}		2 29.1	70°.16	1°.8/27.9 18		
1 22	11 17.50	+12 27.7	1.718	2.514	16.0	19.6
2 1	11 12.08	+12 25.6	1.643	2.524	12.4	19.4
2 11	11 3.96	+12 30.2	1.590	2.534	8.3	19.2
2 21	10 53.86	+12 36.8	1.563	2.543	3.8	19.0
3 2	10 42.86	+12 40.3	1.565	2.553	2.3	18.9
3 12	10 32.26	+12 36.3	1.596	2.563	6.5	19.2
3 22	10 23.20	+12 22.2	1.653	2.573	10.7	19.4
4 1	10 16.53	+11 57.2	1.734	2.583	14.3	19.7
79476 1998 BP_{29}		2 29.1	124°.08	1°.2/ 1.3 18		
1 22	11 9.36	+ 2 53.5	2.445	3.207	12.8	19.6
2 1	11 5.06	+ 2 55.1	2.356	3.213	10.1	19.4
2 11	10 58.95	+ 3 8.2	2.289	3.219	7.0	19.3
2 21	10 51.51	+ 3 30.6	2.250	3.224	3.6	19.0
3 2	10 43.41	+ 3 59.1	2.241	3.230	1.2	18.9
3 12	10 35.46	+ 4 29.7	2.261	3.236	4.1	19.1
3 22	10 28.41	+ 4 58.3	2.310	3.241	7.4	19.3
4 1	10 22.85	+ 5 21.5	2.385	3.246	10.5	19.5
326390 2001 QZ_{133}		2 29.1	120°.47	2°.6/ 3.3 18		
1 22	11 9.60	− 5 18.4	2.375	3.099	14.1	21.9
2 1	11 5.21	− 4 38.8	2.293	3.121	11.4	21.8
2 11	10 59.02	− 3 40.1	2.234	3.142	8.3	21.6
2 21	10 51.52	− 2 24.7	2.201	3.162	5.0	21.4
3 2	10 43.42	− 0 57.4	2.198	3.182	2.6	21.3
3 12	10 35.54	+ 0 35.4	2.226	3.200	4.2	21.4
3 22	10 28.62	+ 2 6.7	2.284	3.218	7.4	21.7
4 1	10 23.25	+ 3 30.6	2.370	3.235	10.4	21.9
78164 2002 NA_{29}		2 29.1	123°.51	1°.4/27.6 18		
1 22	11 8.93	+ 9 42.9	2.238	3.029	12.9	19.6
2 1	11 4.91	+10 20.1	2.157	3.036	10.0	19.4
2 11	10 58.94	+11 6.6	2.099	3.042	6.6	19.2
2 21	10 51.53	+11 57.9	2.068	3.048	3.0	19.0
3 2	10 43.42	+12 48.5	2.067	3.054	1.9	18.9
3 12	10 35.50	+13 32.9	2.095	3.060	5.4	19.2
3 22	10 28.58	+14 6.8	2.151	3.066	8.8	19.4
4 1	10 23.30	+14 27.8	2.232	3.071	11.9	19.6
210956 2001 UG_{92}		2 29.1	148°.36	2°.8/ 3.6 18		
1 22	11 6.40	− 4 44.4	2.701	3.426	12.5	20.6
2 1	11 2.64	− 4 35.1	2.605	3.432	10.3	20.4
2 11	10 57.28	− 4 10.5	2.532	3.438	7.6	20.2
2 21	10 50.74	− 3 31.8	2.486	3.443	4.8	20.1
3 2	10 43.61	− 2 41.5	2.468	3.448	2.9	19.9
3 12	10 36.58	− 1 44.1	2.480	3.453	4.0	20.0
3 22	10 30.31	− 0 44.3	2.522	3.457	6.7	20.2
4 1	10 25.34	+ 0 13.0	2.591	3.461	9.4	20.4
402228 2005 EK_{207}		2 29.1	336°.79	1°.3/28.0 18		
1 22	11 7.60	+ 6 34.3	1.527	2.335	17.1	20.6
2 1	11 4.89	+ 7 27.2	1.445	2.333	13.4	20.3
2 11	10 59.49	+ 8 38.7	1.384	2.330	8.9	20.0
2 21	10 51.96	+10 2.8	1.347	2.328	3.9	19.7
3 2	10 43.31	+11 30.4	1.337	2.326	2.0	19.6
3 12	10 34.82	+12 51.3	1.355	2.325	7.0	19.9
3 22	10 27.69	+13 57.0	1.397	2.323	11.7	20.2
4 1	10 22.88	+14 42.7	1.462	2.322	15.9	20.4
292143 2006 RD_{87}		2 29.1	211°.14	0°.8/ 1.1 17		
1 22	11 6.52	+ 2 13.6	2.768	3.526	11.5	22.2
2 1	11 2.75	+ 2 38.7	2.665	3.520	9.2	22.0
2 11	10 57.38	+ 3 15.7	2.586	3.515	6.3	21.8
2 21	10 50.81	+ 4 2.5	2.534	3.509	3.2	21.6
3 2	10 43.60	+ 4 55.3	2.512	3.502	0.9	21.4
3 12	10 36.44	+ 5 49.6	2.521	3.496	3.8	21.6
3 22	10 29.99	+ 6 41.0	2.560	3.489	6.9	21.8
4 1	10 24.81	+ 7 25.7	2.625	3.481	9.8	21.9
332096 2005 UQ_{149}		2 29.1	297°.10	5°.9/ 5.2 17		
1 22	11 6.72	− 9 3.0	1.814	2.546	17.6	20.8
2 1	11 3.94	− 9 24.2	1.709	2.532	15.0	20.6
2 11	10 58.77	− 9 22.0	1.624	2.518	11.8	20.4
2 21	10 51.65	− 8 54.5	1.560	2.505	8.5	20.1
3 2	10 43.37	− 8 3.0	1.522	2.492	6.1	20.0
3 12	10 35.05	− 6 52.3	1.511	2.479	6.7	20.0
3 22	10 27.77	− 5 30.4	1.526	2.466	9.8	20.1
4 1	10 22.45	− 4 6.3	1.565	2.453	13.4	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
340665 2006 RA_{35}		2 29.1	207°.32	0°.8/28.3 17		
	h m	° ′			°	m
1 22	11 9.58	+ 9 8.7	2.467	3.249	12.1	20.7
2 1	11 5.27	+ 9 25.5	2.374	3.247	9.4	20.6
2 11	10 59.13	+ 9 50.4	2.305	3.245	6.3	20.4
2 21	10 51.62	+10 19.9	2.263	3.243	2.8	20.1
3 2	10 43.41	+10 50.1	2.251	3.241	1.3	20.0
3 12	10 35.33	+11 16.5	2.270	3.238	4.7	20.2
3 22	10 28.12	+11 35.8	2.317	3.235	8.1	20.4
4 1	10 22.43	+11 45.6	2.389	3.233	11.1	20.6
315616 2008 CP_{192}		2 29.1	207°.05	0°.7/28.4 17		
1 22	11 10.49	+ 6 48.0	2.309	3.086	13.0	21.2
2 1	11 6.19	+ 7 28.1	2.210	3.080	10.2	21.0
2 11	10 59.87	+ 8 20.3	2.134	3.073	6.8	20.8
2 21	10 52.01	+ 9 20.6	2.086	3.066	3.0	20.5
3 2	10 43.32	+10 23.7	2.068	3.058	1.2	20.4
3 12	10 34.67	+11 23.3	2.081	3.049	5.1	20.6
3 22	10 26.94	+12 14.3	2.122	3.040	8.8	20.8
4 1	10 20.82	+12 53.0	2.188	3.030	12.0	21.0
247817 2003 SF_{147}		2 29.1	177°.79	4°.1/ 4.6 18		
1 22	11 7.80	− 7 34.8	2.451	3.165	14.0	20.4
2 1	11 3.96	− 7 39.2	2.352	3.166	11.7	20.3
2 11	10 58.30	− 7 25.7	2.274	3.167	9.0	20.1
2 21	10 51.26	− 6 54.6	2.221	3.168	6.2	19.9
3 2	10 43.50	− 6 8.0	2.196	3.168	4.2	19.8
3 12	10 35.81	− 5 10.0	2.200	3.168	4.9	19.8
3 22	10 28.96	− 4 6.2	2.233	3.167	7.5	20.0
4 1	10 23.58	− 3 2.4	2.292	3.166	10.3	20.2
329592 2003 BG_{43}		2 29.1	28°.72	3°.8/26.1 18		
1 22	11 4.82	+10 16.3	1.127	1.969	19.7	19.9
2 1	11 3.21	+11 42.5	1.082	1.989	15.0	19.7
2 11	10 58.47	+13 25.4	1.056	2.011	9.8	19.5
2 21	10 51.47	+15 13.1	1.054	2.035	4.9	19.3
3 2	10 43.52	+16 52.0	1.076	2.060	4.7	19.3
3 12	10 36.17	+18 9.9	1.123	2.085	9.2	19.7
3 22	10 30.69	+19 0.5	1.192	2.112	13.8	20.0
4 1	10 27.88	+19 22.5	1.281	2.140	17.7	20.3
280197 2002 TE_{26}		2 29.1	157°.75	0°.5/29.7 17		
1 22	11 7.68	+ 3 19.0	2.833	3.591	11.3	21.9
2 1	11 3.53	+ 3 48.4	2.741	3.598	8.9	21.8
2 11	10 57.83	+ 4 28.9	2.673	3.604	6.0	21.6
2 21	10 51.00	+ 5 17.5	2.634	3.611	2.9	21.4
3 2	10 43.61	+ 6 10.7	2.626	3.616	0.6	21.2
3 12	10 36.34	+ 7 3.8	2.648	3.621	3.7	21.5
3 22	10 29.81	+ 7 52.9	2.700	3.626	6.8	21.7
4 1	10 24.55	+ 8 34.4	2.779	3.630	9.5	21.8
387275 2012 UF_{121}		2 29.1	113°.85	3°.8/ 4.2 17		
1 22	11 7.80	− 5 51.1	2.511	3.232	13.5	20.9
2 1	11 3.87	− 6 6.3	2.416	3.237	11.2	20.8
2 11	10 58.20	− 6 5.8	2.344	3.242	8.5	20.6
2 21	10 51.21	− 5 50.0	2.297	3.247	5.7	20.4
3 2	10 43.56	− 5 20.6	2.278	3.252	3.9	20.3
3 12	10 36.02	− 4 41.2	2.288	3.257	4.7	20.4
3 22	10 29.29	− 3 56.5	2.327	3.261	7.2	20.5
4 1	10 24.01	− 3 11.4	2.393	3.266	10.0	20.7
496101 2009 UW_{129}		2 29.1	220°.24	4°.9/ 5.2 17		
1 22	11 10.98	− 9 47.9	2.626	3.315	13.7	22.4
2 1	11 6.43	−10 6.8	2.510	3.303	11.6	22.2
2 11	11 0.00	−10 8.6	2.414	3.291	9.2	22.0
2 21	10 52.10	− 9 52.6	2.344	3.278	6.7	21.8
3 2	10 43.35	− 9 19.4	2.302	3.264	5.0	21.7
3 12	10 34.54	− 8 32.2	2.290	3.249	5.4	21.7
3 22	10 26.47	− 7 35.8	2.307	3.234	7.7	21.8
4 1	10 19.83	− 6 35.6	2.351	3.217	10.4	22.0
472996 2015 HH_{24}		2 29.1	241°.83	0°.2/29.3 17		
1 22	11 5.91	+ 4 23.5	2.448	3.223	12.4	21.3
2 1	11 2.49	+ 4 55.4	2.353	3.220	9.7	21.1
2 11	10 57.32	+ 5 39.6	2.281	3.217	6.6	20.9
2 21	10 50.83	+ 6 33.0	2.236	3.214	3.1	20.7
3 2	10 43.65	+ 7 31.1	2.220	3.211	0.7	20.5
3 12	10 36.56	+ 8 28.5	2.235	3.208	4.3	20.8
3 22	10 30.28	+ 9 20.3	2.278	3.204	7.8	21.0
4 1	10 25.43	+10 2.6	2.346	3.201	10.8	21.2
250184 2002 TE_{289}		2 29.1	74°.56	0°.2/28.9 18		
1 22	11 16.45	+ 6 19.4	1.722	2.504	16.5	20.6
2 1	11 10.95	+ 6 38.3	1.667	2.539	12.8	20.4
2 11	11 3.00	+ 7 10.2	1.635	2.573	8.5	20.2
2 21	10 53.36	+ 7 50.3	1.628	2.607	3.8	20.0
3 2	10 43.10	+ 8 32.5	1.651	2.641	1.0	19.8
3 12	10 33.42	+ 9 10.5	1.702	2.674	5.5	20.2
3 22	10 25.30	+ 9 39.7	1.780	2.706	9.6	20.5
4 1	10 19.42	+ 9 57.2	1.883	2.738	13.1	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
499441 2010 DM_{37}			2 29.1	84.°69	0.°3/28.8	17
	h m	° ′			°	m
1 22	11 6.27	+ 4 17.9	2.111	2.894	13.9	21.3
2 1	11 2.98	+ 5 11.9	2.030	2.903	10.8	21.1
2 11	10 57.73	+ 6 20.9	1.973	2.912	7.2	20.9
2 21	10 51.03	+ 7 40.3	1.942	2.921	3.3	20.7
3 2	10 43.62	+ 9 3.8	1.940	2.931	0.9	20.5
3 12	10 36.38	+10 23.8	1.968	2.940	5.0	20.8
3 22	10 30.15	+11 34.3	2.024	2.949	8.7	21.1
4 1	10 25.56	+12 30.8	2.106	2.958	12.0	21.3
41221 1999 XQ_{13}			2 29.1	194.°57	3.°7/ 4.8	18
1 22	11 7.90	− 8 17.5	2.786	3.487	12.7	19.8
2 1	11 3.84	− 8 11.3	2.678	3.484	10.7	19.6
2 11	10 58.14	− 7 48.2	2.592	3.481	8.2	19.4
2 21	10 51.19	− 7 8.6	2.532	3.477	5.7	19.3
3 2	10 43.58	− 6 14.6	2.501	3.472	3.9	19.2
3 12	10 36.01	− 5 10.1	2.500	3.467	4.5	19.2
3 22	10 29.15	− 4 0.2	2.529	3.461	6.8	19.3
4 1	10 23.59	− 2 50.4	2.585	3.455	9.5	19.5
222788 2002 CS_{197}			2 29.1	81.°12	0.°1/29.0	18
1 22	11 12.29	+ 5 59.4	1.895	2.677	15.2	21.2
2 1	11 7.70	+ 6 20.9	1.828	2.700	11.8	21.0
2 11	11 0.86	+ 6 54.9	1.784	2.723	7.9	20.8
2 21	10 52.43	+ 7 37.5	1.766	2.745	3.6	20.6
3 2	10 43.32	+ 8 22.9	1.777	2.767	0.9	20.4
3 12	10 34.58	+ 9 5.1	1.817	2.789	5.2	20.8
3 22	10 27.12	+ 9 39.4	1.884	2.811	9.1	21.0
4 1	10 21.65	+10 2.4	1.976	2.832	12.5	21.3
19775 Medmondson			2 29.1	141.°12	0.°4/29.5	18
1 22	11 11.37	+ 3 25.4	1.701	2.484	16.7	19.8
2 1	11 7.47	+ 3 58.6	1.620	2.491	13.1	19.6
2 11	11 1.02	+ 4 50.0	1.560	2.497	8.9	19.4
2 21	10 52.63	+ 5 55.2	1.525	2.504	4.2	19.1
3 2	10 43.26	+ 7 7.4	1.519	2.509	0.9	18.8
3 12	10 34.11	+ 8 18.2	1.540	2.515	5.7	19.2
3 22	10 26.28	+ 9 20.2	1.589	2.520	10.2	19.5
4 1	10 20.63	+10 8.2	1.662	2.524	14.2	19.7
114524 2003 BT_{12}			2 29.1	36.°01	1.°3/27.8	18
1 22	11 5.41	+ 5 8.7	1.584	2.389	16.7	19.5
2 1	11 3.01	+ 6 27.8	1.509	2.395	13.0	19.3
2 11	10 58.12	+ 8 7.4	1.455	2.402	8.6	19.0
2 21	10 51.32	+10 0.4	1.427	2.408	3.8	18.7
3 2	10 43.57	+11 56.4	1.427	2.415	2.1	18.6
3 12	10 36.03	+13 43.9	1.454	2.423	6.8	18.9
3 22	10 29.80	+15 13.9	1.508	2.431	11.3	19.2
4 1	10 25.70	+16 21.0	1.585	2.439	15.2	19.5
255664 2006 QZ_{32}			2 29.1	246.°18	1.°7/ 1.4	16
1 22	11 14.37	+ 2 50.8	1.922	2.688	15.6	21.1
2 1	11 9.75	+ 2 39.0	1.815	2.675	12.6	20.9
2 11	11 2.61	+ 2 40.9	1.731	2.661	8.9	20.6
2 21	10 53.43	+ 2 54.8	1.672	2.646	4.7	20.3
3 2	10 43.06	+ 3 17.6	1.642	2.631	1.7	20.1
3 12	10 32.66	+ 3 44.4	1.641	2.616	5.3	20.3
3 22	10 23.34	+ 4 10.2	1.667	2.600	9.7	20.5
4 1	10 16.06	+ 4 30.2	1.719	2.584	13.6	20.7
50828 2000 FR_{37}			2 29.1	1.°49	0.°7/28.6	18
1 22	11 4.21	+ 4 33.3	1.384	2.198	18.2	18.6
2 1	11 2.48	+ 5 26.7	1.306	2.197	14.3	18.3
2 11	10 57.99	+ 6 42.6	1.249	2.196	9.6	18.0
2 21	10 51.35	+ 8 14.9	1.215	2.196	4.3	17.7
3 2	10 43.56	+ 9 53.8	1.207	2.197	1.5	17.5
3 12	10 35.97	+11 27.5	1.225	2.199	6.9	17.9
3 22	10 29.82	+12 46.2	1.268	2.201	12.0	18.2
4 1	10 26.04	+13 43.4	1.332	2.205	16.3	18.4
419027 2009 QP_{47}			2 29.1	77.°33	3.°7/26.1	18
1 22	11 15.45	+16 31.6	1.842	2.647	14.8	20.6
2 1	11 10.22	+17 8.8	1.783	2.669	11.4	20.4
2 11	11 2.56	+17 50.1	1.748	2.692	7.6	20.2
2 21	10 53.21	+18 28.8	1.739	2.714	4.4	20.1
3 2	10 43.18	+18 58.3	1.759	2.736	4.3	20.1
3 12	10 33.65	+19 13.7	1.807	2.758	7.4	20.3
3 22	10 25.59	+19 12.9	1.881	2.780	10.8	20.6
4 1	10 19.72	+18 56.0	1.979	2.801	13.9	20.8
306705 2000 WK_{3}			2 29.1	179.°37	7.°0/ 5.7	18
1 22	11 18.78	−11 50.7	2.243	2.915	16.2	21.0
2 1	11 12.81	−12 55.3	2.141	2.917	14.0	20.8
2 11	11 4.46	−13 42.1	2.060	2.919	11.4	20.6
2 21	10 54.22	−14 8.2	2.003	2.919	8.8	20.4
3 2	10 42.91	−14 12.2	1.974	2.919	7.2	20.3
3 12	10 31.60	−13 56.0	1.975	2.918	7.5	20.3
3 22	10 21.31	−13 24.0	2.003	2.916	9.5	20.5
4 1	10 12.93	−12 42.6	2.058	2.913	12.1	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
299981 2006 TM_{121}			2 29.1	249.°72	2.°3/ 2.8	17
	h m	° ′			°	m
1 22	11 5.18	− 2 40.4	2.486	3.230	13.0	21.6
2 1	11 1.93	− 2 22.3	2.386	3.227	10.6	21.4
2 11	10 56.96	− 1 48.2	2.308	3.224	7.7	21.2
2 21	10 50.69	− 0 59.7	2.256	3.221	4.6	21.0
3 2	10 43.75	− 0 0.1	2.233	3.218	2.3	20.8
3 12	10 36.87	+ 1 5.5	2.240	3.215	4.1	21.0
3 22	10 30.76	+ 2 11.5	2.276	3.212	7.2	21.1
4 1	10 26.05	+ 3 12.8	2.338	3.209	10.3	21.3
380339 2002 PT_{201}			2 29.1	160.°49	3.°9/ 4.7	18
1 22	11 7.78	− 7 38.5	2.589	3.299	13.4	21.3
2 1	11 3.83	− 7 40.7	2.492	3.303	11.2	21.2
2 11	10 58.17	− 7 25.8	2.416	3.308	8.6	21.0
2 21	10 51.23	− 6 54.2	2.365	3.312	5.9	20.8
3 2	10 43.63	− 6 8.0	2.343	3.315	4.0	20.7
3 12	10 36.12	− 5 11.3	2.351	3.318	4.7	20.8
3 22	10 29.41	− 4 9.3	2.388	3.321	7.1	20.9
4 1	10 24.09	− 3 7.3	2.451	3.324	9.8	21.1
506314 2017 OS_{2}			2 29.1	189.°83	3.°1/ 3.1	17
1 22	11 11.42	− 2 57.9	2.407	3.139	13.8	21.5
2 1	11 6.81	− 3 13.2	2.306	3.138	11.3	21.3
2 11	11 0.26	− 3 14.1	2.228	3.136	8.3	21.1
2 21	10 52.22	− 3 1.0	2.175	3.135	5.2	20.9
3 2	10 43.40	− 2 36.0	2.152	3.132	3.2	20.8
3 12	10 34.63	− 2 2.6	2.158	3.130	4.6	20.8
3 22	10 26.75	− 1 25.5	2.194	3.127	7.7	21.0
4 1	10 20.43	− 0 49.3	2.256	3.123	10.7	21.2
433524 2013 WP_{76}			2 29.1	82.°17	2.°9/26.1	18
1 22	11 9.51	+14 5.6	2.144	2.946	13.0	21.8
2 1	11 5.43	+14 55.8	2.075	2.961	10.0	21.6
2 11	10 59.32	+15 52.4	2.030	2.975	6.6	21.4
2 21	10 51.76	+16 49.5	2.012	2.989	3.6	21.2
3 2	10 43.54	+17 40.8	2.024	3.003	3.5	21.3
3 12	10 35.59	+18 20.8	2.064	3.017	6.4	21.5
3 22	10 28.74	+18 46.1	2.131	3.031	9.7	21.7
4 1	10 23.65	+18 55.4	2.223	3.045	12.5	21.9
274945 2009 SJ_{261}			2 29.1	115.°59	0.°9/ 1.1	18
1 22	11 9.33	+ 1 35.3	2.191	2.954	14.0	22.0
2 1	11 5.22	+ 2 9.1	2.112	2.970	11.1	21.8
2 11	10 59.17	+ 2 58.1	2.055	2.986	7.6	21.6
2 21	10 51.70	+ 3 59.0	2.026	3.001	3.8	21.4
3 2	10 43.56	+ 5 6.6	2.025	3.015	1.0	21.2
3 12	10 35.64	+ 6 14.5	2.055	3.030	4.4	21.5
3 22	10 28.73	+ 7 17.1	2.113	3.043	8.1	21.7
4 1	10 23.49	+ 8 9.6	2.198	3.057	11.3	21.9
522736 2016 LB_{64}			2 29.1	284.°88	3.°8/ 4.0	17
1 22	11 6.90	− 5 23.6	2.357	3.087	14.0	21.3
2 1	11 3.43	− 5 36.2	2.251	3.078	11.7	21.1
2 11	10 58.08	− 5 32.3	2.166	3.069	8.9	20.9
2 21	10 51.26	− 5 11.8	2.106	3.060	5.9	20.7
3 2	10 43.64	− 4 36.7	2.074	3.050	3.9	20.6
3 12	10 36.03	− 3 50.9	2.071	3.041	4.9	20.6
3 22	10 29.23	− 2 59.5	2.096	3.032	7.7	20.8
4 1	10 23.93	− 2 8.0	2.147	3.023	10.8	20.9
268498 2005 YC_{72}			2 29.1	76.°84	0.°6/29.6	18
1 22	11 10.67	+ 4 37.6	1.880	2.662	15.4	21.3
2 1	11 6.65	+ 4 47.2	1.799	2.669	12.1	21.1
2 11	11 0.34	+ 5 10.5	1.740	2.677	8.2	20.9
2 21	10 52.30	+ 5 44.3	1.706	2.684	3.9	20.7
3 2	10 43.42	+ 6 23.9	1.701	2.692	0.8	20.4
3 12	10 34.77	+ 7 3.2	1.724	2.699	5.1	20.8
3 22	10 27.32	+ 7 37.0	1.775	2.707	9.2	21.0
4 1	10 21.82	+ 8 1.3	1.850	2.714	12.9	21.3
334820 2003 SK_{328}			2 29.1	223.°63	5.°5/ 7.7	17
1 22	11 7.36	−16 13.2	2.870	3.517	13.4	22.3
2 1	11 3.50	−16 2.8	2.749	3.505	11.7	22.1
2 11	10 57.98	−15 31.5	2.647	3.492	9.6	22.0
2 21	10 51.18	−14 38.2	2.570	3.479	7.5	21.8
3 2	10 43.67	−13 24.1	2.520	3.465	5.8	21.7
3 12	10 36.14	−11 53.0	2.500	3.450	5.7	21.6
3 22	10 29.28	−10 10.5	2.510	3.434	7.3	21.7
4 1	10 23.71	− 8 23.6	2.548	3.418	9.6	21.8
328607 2009 SN_{106}			2 29.1	289.°38	0.°6/29.6	18
1 22	11 12.99	+ 5 49.9	1.803	2.587	15.8	20.7
2 1	11 8.71	+ 5 42.4	1.710	2.582	12.5	20.5
2 11	11 1.89	+ 5 47.0	1.640	2.577	8.6	20.2
2 21	10 53.09	+ 6 1.1	1.595	2.573	4.1	19.9
3 2	10 43.23	+ 6 20.6	1.578	2.568	0.9	19.7
3 12	10 33.50	+ 6 40.4	1.589	2.564	5.5	20.0
3 22	10 25.00	+ 6 55.7	1.627	2.559	9.9	20.2
4 1	10 18.62	+ 7 2.9	1.689	2.555	13.8	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
211853 2004 FV_{143}			2 29.1 252°.19	2°.3/ 3.0 18		
	h m	° ′			°	m
1 22	11 5.37	− 3 19.3	2.667	3.403	12.4	20.5
2 1	11 2.02	− 2 58.5	2.554	3.390	10.2	20.3
2 11	10 57.02	− 2 21.9	2.464	3.377	7.4	20.1
2 21	10 50.75	− 1 30.9	2.401	3.364	4.5	19.9
3 2	10 43.78	− 0 28.4	2.366	3.351	2.3	19.8
3 12	10 36.80	+ 0 40.9	2.362	3.337	3.9	19.8
3 22	10 30.51	+ 1 51.4	2.387	3.323	7.0	20.0
4 1	10 25.51	+ 2 58.0	2.439	3.309	10.0	20.2
191920 2005 SV_{29}			2 29.1 214°.52	0°.9/29.8 18		
1 22	11 14.84	+ 3 35.0	1.789	2.562	16.3	21.6
2 1	11 10.27	+ 3 46.9	1.690	2.555	13.0	21.3
2 11	11 3.04	+ 4 14.8	1.613	2.547	9.0	21.1
2 21	10 53.68	+ 4 56.1	1.561	2.538	4.4	20.8
3 2	10 43.10	+ 5 45.6	1.538	2.528	1.0	20.5
3 12	10 32.55	+ 6 36.5	1.543	2.518	5.7	20.8
3 22	10 23.22	+ 7 22.2	1.576	2.506	10.3	21.0
4 1	10 16.08	+ 7 57.4	1.633	2.494	14.4	21.3
209494 2004 JL_{8}			2 29.1 249°.39	1°.2/27.5 17		
1 22	11 6.02	+ 8 45.3	2.733	3.516	11.0	21.1
2 1	11 2.50	+ 9 36.2	2.626	3.502	8.6	20.9
2 11	10 57.33	+10 37.1	2.545	3.487	5.7	20.7
2 21	10 50.89	+11 44.0	2.492	3.472	2.6	20.5
3 2	10 43.76	+12 51.8	2.470	3.457	1.7	20.4
3 12	10 36.64	+13 55.3	2.478	3.441	4.8	20.6
3 22	10 30.20	+14 50.0	2.515	3.425	7.9	20.7
4 1	10 25.05	+15 32.5	2.577	3.409	10.7	20.9
265752 2005 VV_{47}			2 29.1 351°.71	6°.1/24.5 18		
1 22	11 7.77	+18 47.0	1.366	2.206	17.0	19.4
2 1	11 5.48	+19 47.1	1.295	2.199	13.3	19.1
2 11	11 0.13	+20 53.2	1.244	2.193	9.4	18.9
2 21	10 52.39	+21 55.7	1.216	2.188	6.4	18.7
3 2	10 43.42	+22 43.8	1.213	2.184	7.0	18.7
3 12	10 34.74	+23 9.0	1.235	2.182	10.6	18.9
3 22	10 27.71	+23 7.6	1.280	2.180	14.7	19.1
4 1	10 23.33	+22 40.4	1.344	2.180	18.4	19.4
369080 2008 FT_{100}			2 29.1 179°.27	5°.5/22.8 16		
1 22	11 14.10	+24 24.1	2.507	3.306	11.5	21.8
2 1	11 8.89	+25 31.1	2.431	3.308	9.1	21.6
2 11	11 1.62	+26 37.5	2.381	3.309	6.9	21.5
2 21	10 52.85	+27 36.4	2.359	3.310	5.6	21.4
3 2	10 43.33	+28 21.4	2.366	3.309	6.2	21.5
3 12	10 34.01	+28 48.1	2.402	3.309	8.3	21.6
3 22	10 25.75	+28 54.8	2.464	3.307	10.7	21.7
4 1	10 19.22	+28 42.2	2.550	3.305	12.9	21.9
212441 2006 PU_{19}			2 29.1 219°.16	0°.5/28.7 16		
1 22	11 12.49	+ 6 51.5	2.078	2.857	14.2	21.9
2 1	11 8.05	+ 7 18.7	1.977	2.848	11.1	21.6
2 11	11 1.33	+ 7 58.3	1.900	2.839	7.5	21.4
2 21	10 52.82	+ 8 46.7	1.850	2.829	3.4	21.1
3 2	10 43.33	+ 9 38.3	1.828	2.818	1.1	20.9
3 12	10 33.87	+10 27.0	1.837	2.807	5.4	21.2
3 22	10 25.44	+11 7.5	1.874	2.795	9.5	21.4
4 1	10 18.86	+11 35.8	1.935	2.783	13.1	21.6
92951 2000 RG_{42}			2 29.1 359°.83	1°.5/ 1.2 18		
1 22	11 14.14	+ 4 21.2	1.795	2.573	16.1	18.4
2 1	11 9.57	+ 3 55.8	1.706	2.572	12.9	18.2
2 11	11 2.44	+ 3 42.4	1.639	2.572	9.0	17.9
2 21	10 53.34	+ 3 39.4	1.597	2.572	4.6	17.7
3 2	10 43.22	+ 3 43.9	1.582	2.572	1.6	17.5
3 12	10 33.26	+ 3 51.6	1.597	2.572	5.3	17.7
3 22	10 24.58	+ 3 58.3	1.638	2.573	9.7	18.0
4 1	10 18.06	+ 4 0.2	1.704	2.573	13.5	18.2
523671 2013 FZ_{27}			2 29.1 282°.96	0°.3/ 5.1 18		
1 22	10 47.51	− 5 40.6	47.272	47.965	0.8	21.3
2 1	10 46.96	− 5 39.3	47.159	47.959	0.7	21.3
2 11	10 46.34	− 5 37.1	47.070	47.954	0.5	21.3
2 21	10 45.68	− 5 34.2	47.008	47.948	0.4	21.2
3 2	10 45.00	− 5 30.6	46.976	47.943	0.3	21.2
3 12	10 44.32	− 5 26.6	46.974	47.937	0.3	21.2
3 22	10 43.67	− 5 22.2	47.001	47.932	0.4	21.3
4 1	10 43.08	− 5 17.7	47.056	47.927	0.6	21.3
384531 2010 DG_{53}			2 29.1 17°.03	4°.5/23.9 17		
1 22	11 7.09	+18 31.7	2.208	3.022	12.3	21.2
2 1	11 3.70	+19 45.9	2.132	3.022	9.5	21.0
2 11	10 58.28	+21 4.6	2.081	3.023	6.7	20.8
2 21	10 51.36	+22 20.8	2.056	3.024	4.7	20.7
3 2	10 43.68	+23 27.0	2.061	3.025	5.3	20.7
3 12	10 36.17	+24 17.4	2.094	3.026	7.8	20.9
3 22	10 29.66	+24 48.5	2.153	3.027	10.7	21.0
4 1	10 24.85	+24 59.6	2.234	3.029	13.4	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
438675 2008 GS_{43}			2 29.1 71°.24	0°.6/29.9 17		
	h m	° ′			°	m
1 22	11 4.54	+ 2 14.8	2.571	3.337	12.1	21.5
2 1	11 1.34	+ 2 50.9	2.479	3.340	9.6	21.3
2 11	10 56.52	+ 3 40.3	2.411	3.343	6.5	21.1
2 21	10 50.50	+ 4 39.9	2.370	3.346	3.2	20.9
3 2	10 43.88	+ 5 45.3	2.359	3.349	0.7	20.7
3 12	10 37.37	+ 6 51.3	2.378	3.352	3.9	21.0
3 22	10 31.62	+ 7 52.9	2.426	3.355	7.2	21.2
4 1	10 27.20	+ 8 45.7	2.500	3.359	10.1	21.4
70111 1999 LM_{7}			2 29.1 194°.89	1°.7/27.2 18		
1 22	11 12.02	+ 9 38.7	2.363	3.144	12.6	20.9
2 1	11 7.37	+10 35.6	2.267	3.141	9.8	20.7
2 11	11 0.69	+11 43.1	2.196	3.137	6.5	20.5
2 21	10 52.47	+12 56.3	2.153	3.133	3.0	20.3
3 2	10 43.43	+14 8.9	2.141	3.127	2.3	20.2
3 12	10 34.44	+15 14.3	2.160	3.120	5.6	20.4
3 22	10 26.38	+16 7.6	2.207	3.112	9.1	20.6
4 1	10 19.95	+16 45.9	2.280	3.104	12.2	20.8
472181 2014 DC_{103}			2 29.1 270°.58	3°.2/ 2.9 16		
1 22	11 13.97	− 1 55.8	2.671	3.395	12.7	21.5
2 1	11 8.74	− 2 35.7	2.550	3.376	10.5	21.3
2 11	11 1.59	− 3 5.2	2.452	3.357	7.8	21.1
2 21	10 52.91	− 3 23.9	2.381	3.338	5.0	20.9
3 2	10 43.32	− 3 32.5	2.340	3.319	3.3	20.8
3 12	10 33.65	− 3 32.9	2.331	3.299	4.6	20.8
3 22	10 24.69	− 3 27.9	2.351	3.279	7.5	21.0
4 1	10 17.17	− 3 20.9	2.398	3.259	10.4	21.1
119471 2001 UZ_{13}			2 29.1 168°.29	6°.0/22.5 18		
1 22	11 12.33	+23 15.2	2.211	3.018	12.5	20.2
2 1	11 7.80	+24 37.1	2.139	3.022	9.9	20.0
2 11	11 1.04	+25 59.7	2.093	3.025	7.4	19.8
2 21	10 52.63	+27 15.1	2.075	3.028	6.0	19.8
3 2	10 43.41	+28 15.5	2.085	3.030	6.8	19.8
3 12	10 34.40	+28 55.4	2.123	3.032	9.1	20.0
3 22	10 26.54	+29 12.6	2.186	3.033	11.7	20.1
4 1	10 20.56	+29 7.7	2.271	3.034	14.1	20.3
425183 2009 UY_{43}			2 29.1 22°.27	0°.9/29.9 18		
1 22	11 7.55	+ 3 12.7	1.626	2.419	16.9	21.2
2 1	11 4.62	+ 3 28.9	1.547	2.423	13.4	20.9
2 11	10 59.19	+ 4 2.7	1.490	2.428	9.2	20.7
2 21	10 51.86	+ 4 50.7	1.456	2.434	4.5	20.4
3 2	10 43.58	+ 5 47.0	1.450	2.440	1.0	20.2
3 12	10 35.53	+ 6 43.8	1.470	2.447	5.5	20.5
3 22	10 28.78	+ 7 34.2	1.517	2.454	10.1	20.8
4 1	10 24.16	+ 8 12.7	1.587	2.462	14.0	21.1
121293 1999 RL_{182}			2 29.1 170°.57	0°.9/28.3 17 R		
1 22	11 13.44	+ 9 38.7	2.535	3.309	12.0	20.5
2 1	11 8.20	+ 9 52.8	2.444	3.313	9.4	20.4
2 11	11 1.09	+10 14.0	2.378	3.316	6.2	20.2
2 21	10 52.60	+10 39.1	2.340	3.319	2.8	19.9
3 2	10 43.43	+11 4.1	2.332	3.321	1.3	19.8
3 12	10 34.41	+11 25.0	2.356	3.323	4.7	20.1
3 22	10 26.33	+11 38.7	2.408	3.324	8.0	20.3
4 1	10 19.80	+11 43.3	2.487	3.324	10.9	20.5
459339 2012 HA_{41}			2 29.2 304°.86	4°.3/26.4 17		
1 22	11 15.13	+17 8.6	1.612	2.426	16.1	20.5
2 1	11 11.06	+17 29.7	1.511	2.401	12.7	20.2
2 11	11 3.91	+17 56.0	1.431	2.376	8.8	20.0
2 21	10 54.22	+18 20.6	1.376	2.351	5.1	19.7
3 2	10 43.02	+18 35.7	1.347	2.327	4.9	19.6
3 12	10 31.77	+18 34.6	1.346	2.302	8.8	19.8
3 22	10 21.91	+18 14.0	1.370	2.278	13.3	19.9
4 1	10 14.62	+17 33.6	1.415	2.255	17.4	20.1
382188 2012 KL_{34}			2 29.2 160°.51	3°.4/25.1 16		
1 22	11 10.96	+17 6.5	2.585	3.380	11.2	22.5
2 1	11 6.30	+18 4.1	2.506	3.387	8.7	22.3
2 11	10 59.82	+19 5.7	2.453	3.393	5.9	22.2
2 21	10 52.02	+20 5.7	2.428	3.399	3.7	22.0
3 2	10 43.57	+20 58.3	2.434	3.404	4.0	22.1
3 12	10 35.30	+21 38.7	2.469	3.409	6.4	22.2
3 22	10 27.94	+22 4.3	2.533	3.413	9.1	22.4
4 1	10 22.11	+22 14.0	2.621	3.416	11.6	22.6
200606 2001 RJ_{142}			2 29.2 68°.51	2°.3/26.9 18		
1 22	11 9.72	+ 3 22.5	1.338	2.142	19.3	19.8
2 1	11 6.59	+ 5 44.3	1.284	2.171	14.8	19.6
2 11	11 0.59	+ 8 32.0	1.252	2.200	9.5	19.3
2 21	10 52.49	+11 32.8	1.247	2.228	4.2	19.1
3 2	10 43.48	+14 29.5	1.270	2.257	3.3	19.1
3 12	10 34.98	+17 5.7	1.323	2.285	8.2	19.5
3 22	10 28.17	+19 10.9	1.401	2.313	12.8	19.8
4 1	10 23.89	+20 41.2	1.502	2.340	16.7	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
145238 2005 JO_{87}			2 29.2 259°.34	3°.1/ 3.6 18		
	h m	° ′			°	m
1 22	11 5.91	− 4 47.6	2.347	3.083	13.9	20.6
2 1	11 2.66	− 4 38.3	2.244	3.077	11.5	20.4
2 11	10 57.56	− 4 11.1	2.163	3.071	8.6	20.2
2 21	10 51.06	− 3 27.0	2.106	3.065	5.4	20.0
3 2	10 43.78	− 2 29.0	2.078	3.059	3.2	19.8
3 12	10 36.55	− 1 22.0	2.080	3.053	4.5	19.9
3 22	10 30.13	− 0 12.0	2.109	3.047	7.6	20.1
4 1	10 25.20	+ 0 54.8	2.165	3.041	10.8	20.3
112540 2002 PE_{40}			2 29.2 262°.92	1°.2/28.2 18		
1 22	11 11.60	+ 8 21.0	1.773	2.568	15.6	19.9
2 1	11 7.83	+ 8 49.1	1.673	2.554	12.3	19.7
2 11	11 1.47	+ 9 30.6	1.596	2.539	8.2	19.4
2 21	10 53.00	+10 21.1	1.544	2.524	3.7	19.1
3 2	10 43.32	+11 14.1	1.519	2.509	1.8	18.9
3 12	10 33.64	+12 2.0	1.524	2.493	6.4	19.2
3 22	10 25.13	+12 38.8	1.554	2.477	11.0	19.4
4 1	10 18.76	+13 0.5	1.608	2.461	15.0	19.6
205480 2001 QQ_{205}			2 29.2 116°.59	0°.6/29.9 18		
1 22	11 7.21	+ 2 41.1	2.619	3.380	12.0	20.9
2 1	11 3.29	+ 3 15.2	2.536	3.395	9.5	20.7
2 11	10 57.75	+ 4 1.5	2.478	3.409	6.4	20.5
2 21	10 51.05	+ 4 56.9	2.447	3.423	3.1	20.3
3 2	10 43.80	+ 5 57.3	2.446	3.437	0.7	20.1
3 12	10 36.72	+ 6 57.4	2.476	3.450	3.9	20.4
3 22	10 30.45	+ 7 52.7	2.535	3.463	7.0	20.6
4 1	10 25.54	+ 8 39.5	2.621	3.475	9.8	20.8
426737 2013 TY_{75}			2 29.2 115°.79	1°.4/ 1.5 18		
1 22	11 9.30	+ 1 22.0	2.168	2.931	14.2	21.2
2 1	11 5.29	+ 1 36.4	2.083	2.940	11.3	21.0
2 11	10 59.29	+ 2 5.4	2.021	2.949	7.9	20.8
2 21	10 51.82	+ 2 46.6	1.985	2.958	4.1	20.6
3 2	10 43.62	+ 3 35.8	1.978	2.967	1.4	20.4
3 12	10 35.60	+ 4 27.4	2.000	2.976	4.4	20.7
3 22	10 28.59	+ 5 16.1	2.051	2.984	8.1	20.9
4 1	10 23.26	+ 5 57.3	2.127	2.992	11.4	21.1
277039 2005 CF_{41}			2 29.2 166°.57	4°.1/25.6 18		
1 22	11 25.93	+11 58.8	1.794	2.570	16.2	22.7
2 1	11 18.86	+13 49.5	1.713	2.584	12.6	22.5
2 11	11 8.77	+15 54.5	1.656	2.595	8.4	22.2
2 21	10 56.30	+18 3.3	1.629	2.604	4.7	22.0
3 2	10 42.59	+20 3.4	1.635	2.610	4.9	22.1
3 12	10 29.10	+21 43.6	1.672	2.613	8.7	22.3
3 22	10 17.19	+22 57.4	1.737	2.614	12.8	22.5
4 1	10 7.88	+23 43.5	1.827	2.613	16.2	22.8
717 Wisibada			2 29.2 133°.08	0°.1/29.1 18		
1 22	11 8.27	+ 5 52.1	2.988	3.752	10.6	17.0
2 1	11 3.88	+ 6 17.3	2.904	3.766	8.3	16.9
2 11	10 58.04	+ 6 51.1	2.845	3.779	5.5	16.7
2 21	10 51.16	+ 7 30.7	2.814	3.793	2.5	16.5
3 2	10 43.79	+ 8 12.5	2.815	3.805	0.6	16.4
3 12	10 36.57	+ 8 52.7	2.846	3.818	3.7	16.6
3 22	10 30.09	+ 9 28.0	2.908	3.829	6.5	16.8
4 1	10 24.83	+ 9 55.7	2.996	3.841	9.0	17.0
371124 2005 WV_{32}			2 29.2 124°.81	4°.1/25.2 18		
1 22	11 11.93	+17 6.6	2.044	2.850	13.4	21.2
2 1	11 7.51	+18 4.6	1.973	2.859	10.4	21.0
2 11	11 0.85	+19 7.4	1.925	2.868	7.1	20.8
2 21	10 52.55	+20 8.0	1.905	2.877	4.4	20.7
3 2	10 43.47	+20 59.4	1.913	2.885	4.7	20.7
3 12	10 34.67	+21 35.8	1.950	2.893	7.6	20.9
3 22	10 27.07	+21 54.0	2.013	2.900	10.8	21.1
4 1	10 21.40	+21 53.7	2.099	2.908	13.7	21.3
208721 2002 JT_{117}			2 29.2 280°.91	6°.2/23.2 17		
1 22	11 9.68	+17 52.1	1.636	2.460	15.4	20.5
2 1	11 6.78	+19 31.0	1.542	2.438	12.1	20.2
2 11	11 1.04	+21 21.4	1.471	2.416	8.6	19.9
2 21	10 52.91	+23 13.2	1.426	2.393	6.3	19.7
3 2	10 43.35	+24 53.9	1.407	2.370	7.3	19.8
3 12	10 33.69	+26 12.4	1.416	2.347	10.9	19.9
3 22	10 25.29	+27 2.0	1.448	2.324	14.9	20.1
4 1	10 19.27	+27 21.0	1.500	2.301	18.5	20.2
454605 2014 QN_{19}			2 29.2 303°.21	1°.9/ 1.4 18		
1 22	11 11.76	+ 2 42.4	1.493	2.283	18.3	20.8
2 1	11 8.38	+ 2 28.3	1.401	2.273	14.7	20.5
2 11	11 2.05	+ 2 31.4	1.329	2.264	10.4	20.3
2 21	10 53.34	+ 2 50.2	1.280	2.255	5.5	19.9
3 2	10 43.27	+ 3 20.5	1.257	2.246	2.0	19.7
3 12	10 33.23	+ 3 55.9	1.260	2.237	6.2	19.9
3 22	10 24.59	+ 4 29.4	1.289	2.229	11.2	20.2
4 1	10 18.44	+ 4 55.0	1.341	2.221	15.7	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
457767 2009 KF_{4}			2 29.2 320°.29	4°.1/25.7 18		
	h m	° ′			°	m
1 22	11 9.64	+14 6.3	1.535	2.357	16.4	20.8
2 1	11 6.61	+15 8.9	1.455	2.351	12.7	20.5
2 11	11 0.76	+16 22.7	1.397	2.346	8.5	20.3
2 21	10 52.69	+17 39.4	1.364	2.342	4.8	20.0
3 2	10 43.44	+18 48.9	1.358	2.337	5.0	20.0
3 12	10 34.37	+19 42.1	1.378	2.333	8.8	20.2
3 22	10 26.75	+20 13.4	1.422	2.328	13.1	20.5
4 1	10 21.54	+20 21.0	1.488	2.325	16.9	20.7
169377 2001 UV_{178}			2 29.2 69°.95	4°.8/23.9 18		
1 22	11 9.93	+20 6.3	2.185	2.996	12.5	19.4
2 1	11 5.74	+21 13.9	2.129	3.016	9.7	19.3
2 11	10 59.53	+22 22.9	2.097	3.037	6.8	19.1
2 21	10 51.89	+23 26.6	2.093	3.058	4.9	19.0
3 2	10 43.66	+24 18.2	2.118	3.078	5.5	19.1
3 12	10 35.75	+24 52.7	2.170	3.099	7.8	19.3
3 22	10 29.00	+25 8.4	2.249	3.119	10.5	19.5
4 1	10 24.03	+25 5.2	2.350	3.140	12.9	19.7
490541 2009 VN_{48}			2 29.2 78°.03	2°.6/26.8 18		
1 22	11 9.72	+12 2.6	1.907	2.711	14.3	21.8
2 1	11 5.93	+12 51.0	1.832	2.719	11.0	21.6
2 11	10 59.87	+13 48.7	1.781	2.727	7.3	21.4
2 21	10 52.13	+14 49.6	1.756	2.735	3.6	21.2
3 2	10 43.59	+15 46.6	1.760	2.743	3.2	21.1
3 12	10 35.30	+16 33.0	1.792	2.751	6.6	21.4
3 22	10 28.21	+17 4.5	1.850	2.759	10.3	21.6
4 1	10 23.06	+17 19.1	1.932	2.767	13.6	21.8
433250 2012 VP_{102}			2 29.2 187°.57	1°.8/ 2.4 17		
1 22	11 5.62	− 1 17.3	2.623	3.370	12.4	21.7
2 1	11 2.18	− 0 55.4	2.525	3.370	10.0	21.5
2 11	10 57.10	− 0 18.9	2.449	3.369	7.1	21.3
2 21	10 50.81	+ 0 30.2	2.400	3.369	4.0	21.1
3 2	10 43.89	+ 1 28.4	2.381	3.368	1.8	20.9
3 12	10 37.04	+ 2 30.9	2.392	3.367	3.8	21.1
3 22	10 30.94	+ 3 32.7	2.431	3.366	6.9	21.3
4 1	10 26.15	+ 4 29.0	2.498	3.365	9.8	21.5
48644 1995 UG_{7}			2 29.2 209°.71	3°.2/26.4 18		
1 22	11 13.75	+14 9.4	1.929	2.730	14.3	19.0
2 1	11 9.20	+14 53.4	1.841	2.725	11.1	18.8
2 11	11 2.18	+15 45.2	1.776	2.720	7.5	18.6
2 21	10 53.26	+16 38.7	1.738	2.715	4.0	18.3
3 2	10 43.33	+17 26.6	1.728	2.709	3.8	18.3
3 12	10 33.54	+18 2.4	1.748	2.703	7.2	18.5
3 22	10 24.97	+18 22.0	1.794	2.696	11.0	18.7
4 1	10 18.46	+18 23.9	1.863	2.689	14.4	18.9
155602 2000 CS_{111}			2 29.2 53°.00	1°.3/28.4 18		
1 22	11 15.22	+ 9 19.2	1.279	2.093	19.4	19.7
2 1	11 11.24	+ 9 27.8	1.212	2.102	15.2	19.5
2 11	11 3.96	+ 9 50.1	1.163	2.110	10.1	19.2
2 21	10 54.15	+10 20.5	1.138	2.119	4.6	18.9
3 2	10 43.14	+10 51.5	1.139	2.129	2.0	18.8
3 12	10 32.58	+11 15.1	1.166	2.138	7.4	19.1
3 22	10 23.92	+11 26.2	1.217	2.148	12.6	19.4
4 1	10 18.17	+11 22.1	1.289	2.158	17.0	19.7
389291 2009 JC_{17}			2 29.2 301°.76	3°.6/ 4.5 17		
1 22	11 3.81	− 7 14.1	2.390	3.115	14.0	21.3
2 1	11 1.06	− 6 57.4	2.280	3.104	11.7	21.1
2 11	10 56.52	− 6 20.9	2.192	3.093	8.9	20.9
2 21	10 50.61	− 5 25.2	2.129	3.082	5.9	20.7
3 2	10 43.94	− 4 13.1	2.094	3.071	3.7	20.5
3 12	10 37.28	− 2 50.0	2.088	3.061	4.6	20.5
3 22	10 31.38	− 1 22.4	2.111	3.050	7.5	20.7
4 1	10 26.90	+ 0 2.9	2.160	3.040	10.6	20.9
302356 2002 BP_{18}			2 29.2 342°.72	2°.5/ 1.7 18		
1 22	11 13.02	+ 2 18.5	1.423	2.213	19.1	20.5
2 1	11 9.41	+ 1 52.3	1.339	2.210	15.4	20.2
2 11	11 2.76	+ 1 43.3	1.273	2.207	10.9	19.9
2 21	10 53.67	+ 1 50.4	1.231	2.205	5.9	19.6
3 2	10 43.25	+ 2 10.0	1.214	2.203	2.5	19.4
3 12	10 32.97	+ 2 36.2	1.224	2.201	6.3	19.6
3 22	10 24.24	+ 3 2.2	1.259	2.200	11.3	19.9
4 1	10 18.12	+ 3 22.2	1.316	2.199	15.8	20.2
27538 2000 HB_{89}			2 29.2 87°.70	3°.0/ 2.6 18		
1 22	11 13.92	− 2 11.5	1.511	2.277	19.2	19.2
2 1	11 9.59	− 2 5.4	1.445	2.300	15.5	19.0
2 11	11 2.49	− 1 36.2	1.399	2.323	11.1	18.7
2 21	10 53.38	− 0 46.4	1.377	2.345	6.4	18.5
3 2	10 43.35	+ 0 18.3	1.381	2.367	3.0	18.4
3 12	10 33.77	+ 1 29.5	1.413	2.389	5.8	18.6
3 22	10 25.78	+ 2 38.3	1.471	2.410	10.1	18.9
4 1	10 20.23	+ 3 37.6	1.553	2.431	14.1	19.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
313785	2003 YQ_{66}		2 29.2 38°.73 12°.5/16.6 18			
	h m	° ′			°	m
1 22	11 5.48	+19 44.1	0.938	1.804	20.7	19.3
2 1	11 5.07	+24 13.0	0.892	1.809	16.3	19.0
2 11	11 0.69	+28 56.8	0.869	1.814	13.1	18.9
2 21	10 52.96	+33 24.0	0.872	1.820	12.9	18.9
3 2	10 43.40	+37 3.9	0.899	1.826	15.7	19.0
3 12	10 34.18	+39 38.0	0.947	1.833	19.7	19.3
3 22	10 27.28	+41 4.0	1.012	1.840	23.4	19.6
4 1	10 24.04	+41 30.0	1.090	1.847	26.6	19.8
339509	2005 GN_{102}		2 29.2 157°.49 5°.2/23.6 17			
1 22	11 10.55	+22 4.2	2.304	3.112	12.0	20.8
2 1	11 6.31	+23 4.6	2.229	3.114	9.4	20.6
2 11	11 0.00	+24 5.8	2.179	3.115	6.9	20.5
2 21	10 52.18	+25 1.2	2.156	3.116	5.2	20.4
3 2	10 43.62	+25 44.3	2.162	3.117	5.8	20.4
3 12	10 35.28	+26 10.3	2.196	3.118	8.1	20.5
3 22	10 27.99	+26 17.2	2.256	3.119	10.8	20.7
4 1	10 22.46	+26 5.1	2.338	3.120	13.2	20.9
138795	2000 TB_{4}		2 29.2 262°.88 2°.2/ 2.8 18			
1 22	11 5.24	− 2 36.3	2.490	3.234	13.0	20.5
2 1	11 2.06	− 2 14.3	2.383	3.225	10.6	20.3
2 11	10 57.14	− 1 35.8	2.298	3.215	7.7	20.1
2 21	10 50.89	− 0 42.5	2.239	3.205	4.5	19.9
3 2	10 43.91	+ 0 22.3	2.210	3.196	2.2	19.7
3 12	10 36.95	+ 1 33.2	2.210	3.186	4.1	19.8
3 22	10 30.74	+ 2 44.5	2.239	3.176	7.3	20.0
4 1	10 25.90	+ 3 50.8	2.295	3.166	10.4	20.2
160802	2000 VP_{14}		2 29.2 103°.44 1°.9/ 1.9 18			
1 22	11 11.04	− 0 37.9	1.681	2.451	17.4	20.4
2 1	11 7.20	− 0 13.1	1.606	2.465	13.9	20.2
2 11	11 0.86	+ 0 32.9	1.551	2.480	9.8	20.0
2 21	10 52.64	+ 1 36.6	1.521	2.494	5.2	19.7
3 2	10 43.53	+ 2 52.2	1.519	2.508	1.9	19.5
3 12	10 34.71	+ 4 11.0	1.544	2.521	5.3	19.8
3 22	10 27.23	+ 5 24.8	1.597	2.534	9.7	20.1
4 1	10 21.91	+ 6 27.2	1.675	2.547	13.6	20.3
407289	2010 HV_{63}		2 29.2 151°.77 5°.6/23.6 18			
1 22	11 15.26	+21 40.1	2.093	2.897	13.2	21.5
2 1	11 10.12	+22 53.2	2.025	2.907	10.4	21.3
2 11	11 2.63	+24 7.6	1.981	2.916	7.5	21.1
2 21	10 53.41	+25 15.4	1.964	2.924	5.7	21.1
3 2	10 43.38	+26 8.9	1.976	2.931	6.3	21.1
3 12	10 33.64	+26 42.5	2.017	2.938	8.8	21.3
3 22	10 25.18	+26 54.1	2.083	2.944	11.7	21.5
4 1	10 18.76	+26 44.4	2.172	2.949	14.3	21.6
454289	2014 JA_{4}		2 29.2 221°.88 3°.7/26.4 18			
1 22	11 15.63	+13 58.2	1.642	2.448	16.2	21.7
2 1	11 11.19	+14 47.5	1.553	2.441	12.6	21.4
2 11	11 3.84	+15 47.0	1.487	2.433	8.5	21.2
2 21	10 54.15	+16 49.2	1.447	2.424	4.6	20.9
3 2	10 43.18	+17 45.1	1.434	2.415	4.4	20.9
3 12	10 32.33	+18 26.5	1.449	2.405	8.3	21.1
3 22	10 22.92	+18 48.4	1.490	2.395	12.7	21.3
4 1	10 15.97	+18 49.1	1.553	2.384	16.6	21.5
17583	1994 WV_{2}		2 29.2 237°.11 3°.0/ 2.6 18			
1 22	11 12.87	− 1 51.2	1.877	2.629	16.4	18.7
2 1	11 8.73	− 1 56.1	1.769	2.615	13.5	18.5
2 11	11 2.06	− 1 42.5	1.682	2.601	9.9	18.2
2 21	10 53.33	− 1 10.8	1.620	2.586	5.9	18.0
3 2	10 43.37	− 0 24.0	1.585	2.571	3.0	17.8
3 12	10 33.32	+ 0 32.2	1.580	2.554	5.5	17.9
3 22	10 24.33	+ 1 30.7	1.601	2.538	9.7	18.1
4 1	10 17.37	+ 2 24.7	1.648	2.520	13.7	18.3
457741	2009 HK_{16}		2 29.2 140°.75 1°.1/28.1 18			
1 22	11 10.05	+ 6 27.2	1.804	2.596	15.5	21.4
2 1	11 6.36	+ 7 25.2	1.723	2.602	12.1	21.2
2 11	11 0.29	+ 8 39.1	1.666	2.609	8.0	21.0
2 21	10 52.41	+10 3.2	1.634	2.615	3.6	20.7
3 2	10 43.61	+11 29.4	1.631	2.620	1.8	20.6
3 12	10 35.00	+12 48.9	1.657	2.625	6.1	20.9
3 22	10 27.62	+13 55.0	1.710	2.630	10.3	21.1
4 1	10 22.27	+14 43.2	1.787	2.635	14.0	21.4
129280	2005 RW_{20}		2 29.2 185°.93 3°.5/ 3.5 16			
1 22	11 12.42	− 4 6.4	2.341	3.067	14.2	21.0
2 1	11 7.70	− 4 22.9	2.241	3.067	11.7	20.8
2 11	11 0.96	− 4 23.9	2.162	3.066	8.8	20.6
2 21	10 52.67	− 4 9.6	2.109	3.065	5.7	20.4
3 2	10 43.55	− 3 41.9	2.085	3.064	3.6	20.3
3 12	10 34.49	− 3 4.5	2.091	3.061	4.8	20.3
3 22	10 26.33	− 2 22.5	2.126	3.058	7.9	20.5
4 1	10 19.81	− 1 40.9	2.187	3.055	11.0	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
316760	1999 SJ_{19}		2 29.2 212°.66 10°.2/24.5 18			
	h m	° ′			°	m
1 22	11 31.89	+28 55.3	1.266	2.076	19.8	20.3
2 1	11 25.00	+29 41.5	1.196	2.073	16.3	20.1
2 11	11 13.63	+30 20.4	1.145	2.070	12.8	19.8
2 21	10 58.74	+30 37.9	1.117	2.067	10.4	19.7
3 2	10 42.20	+30 21.5	1.115	2.063	10.9	19.7
3 12	10 26.44	+29 26.2	1.137	2.058	14.0	19.8
3 22	10 13.49	+27 56.0	1.183	2.054	17.9	20.1
4 1	10 4.59	+26 0.0	1.248	2.049	21.6	20.3
9196	Sukagawa		2 29.2 274°.08 2°.3/27.5 18 R			
1 22	11 10.95	+ 9 15.8	1.422	2.236	17.8	17.1
2 1	11 7.90	+10 2.9	1.336	2.228	14.0	16.9
2 11	11 1.83	+11 6.8	1.272	2.220	9.3	16.6
2 21	10 53.30	+12 21.0	1.231	2.212	4.3	16.3
3 2	10 43.39	+13 35.6	1.217	2.204	3.0	16.1
3 12	10 33.58	+14 40.4	1.229	2.196	7.9	16.4
3 22	10 25.28	+15 27.6	1.265	2.188	13.0	16.7
4 1	10 19.58	+15 52.9	1.323	2.180	17.4	16.9
497866	2006 UO_{163}		2 29.2 164°.40 2°.3/26.4 17			
1 22	11 8.51	+14 2.3	2.751	3.542	10.7	22.4
2 1	11 4.32	+14 43.5	2.666	3.546	8.3	22.3
2 11	10 58.48	+15 29.9	2.606	3.549	5.5	22.1
2 21	10 51.45	+16 17.0	2.575	3.552	2.9	21.9
3 2	10 43.84	+17 0.3	2.574	3.554	2.8	21.9
3 12	10 36.35	+17 35.5	2.603	3.556	5.3	22.1
3 22	10 29.67	+17 59.6	2.661	3.558	8.1	22.2
4 1	10 24.35	+18 11.1	2.743	3.560	10.6	22.4
137065	1998 WH_{6}		2 29.2 139°.15 6°.3/ 6.8 18 R			
1 22	11 10.92	−13 16.2	2.202	2.883	16.2	20.8
2 1	11 6.64	−13 36.7	2.112	2.895	13.9	20.6
2 11	11 0.29	−13 34.8	2.042	2.906	11.2	20.5
2 21	10 52.37	−13 9.3	1.994	2.916	8.5	20.3
3 2	10 43.64	−12 21.4	1.973	2.926	6.6	20.2
3 12	10 35.05	−11 15.3	1.981	2.935	6.6	20.2
3 22	10 27.48	− 9 57.8	2.016	2.944	8.6	20.4
4 1	10 21.64	− 8 36.4	2.078	2.952	11.2	20.5
301588	2010 CP_{16}		2 29.2 237°.76 2°.9/25.2 17			
1 22	11 6.94	+14 44.6	2.743	3.540	10.6	21.0
2 1	11 3.26	+15 51.7	2.645	3.528	8.2	20.8
2 11	10 57.90	+17 5.4	2.572	3.515	5.5	20.6
2 21	10 51.25	+18 20.7	2.528	3.502	3.3	20.5
3 2	10 43.89	+19 31.7	2.515	3.489	3.5	20.5
3 12	10 36.55	+20 33.0	2.531	3.475	6.0	20.6
3 22	10 29.93	+21 20.6	2.576	3.461	8.8	20.7
4 1	10 24.63	+21 52.4	2.646	3.447	11.4	20.9
346122	2007 VH_{156}		2 29.2 141°.52 3°.8/25.1 15			
1 22	11 10.96	+18 40.6	2.456	3.257	11.6	22.0
2 1	11 6.43	+19 24.3	2.379	3.262	9.0	21.9
2 11	10 59.99	+20 10.4	2.326	3.266	6.2	21.7
2 21	10 52.18	+20 53.6	2.301	3.271	4.0	21.6
3 2	10 43.71	+21 28.3	2.306	3.275	4.3	21.6
3 12	10 35.44	+21 50.3	2.339	3.279	6.7	21.7
3 22	10 28.17	+21 57.4	2.400	3.283	9.5	21.9
4 1	10 22.50	+21 49.1	2.486	3.286	12.0	22.1
244755	2003 SF_{66}		2 29.2 240°.20 2°.1/27.2 17			
1 22	11 12.60	+10 21.0	1.975	2.767	14.3	21.5
2 1	11 8.41	+11 9.4	1.871	2.751	11.2	21.3
2 11	11 1.78	+12 10.0	1.791	2.735	7.5	21.0
2 21	10 53.19	+13 17.5	1.738	2.717	3.6	20.7
3 2	10 43.45	+14 24.7	1.714	2.699	2.7	20.6
3 12	10 33.67	+15 23.9	1.719	2.680	6.7	20.8
3 22	10 24.94	+16 9.2	1.751	2.661	10.8	21.0
4 1	10 18.17	+16 37.2	1.807	2.641	14.5	21.2
115332	2003 SR_{224}		2 29.2 197°.45 0°.6/28.6 18			
1 22	11 11.99	+ 6 19.5	2.042	2.821	14.4	20.8
2 1	11 7.70	+ 6 58.2	1.947	2.819	11.3	20.6
2 11	11 1.14	+ 7 50.7	1.876	2.815	7.6	20.4
2 21	10 52.84	+ 8 52.6	1.832	2.811	3.4	20.1
3 2	10 43.59	+ 9 58.0	1.816	2.806	1.2	19.9
3 12	10 34.42	+10 59.7	1.831	2.801	5.5	20.2
3 22	10 26.31	+11 52.1	1.874	2.795	9.5	20.4
4 1	10 20.06	+12 30.9	1.941	2.788	13.1	20.6
465395	2008 GX_{40}		2 29.2 252°.60 5°.4/23.9 17			
1 22	11 13.29	+20 39.9	2.042	2.850	13.4	22.3
2 1	11 8.92	+21 42.6	1.950	2.835	10.5	22.1
2 11	11 2.09	+22 48.9	1.881	2.820	7.6	21.9
2 21	10 53.32	+23 51.2	1.840	2.804	5.6	21.7
3 2	10 43.48	+24 41.4	1.827	2.787	6.2	21.7
3 12	10 33.70	+25 13.1	1.841	2.771	8.9	21.8
3 22	10 25.06	+25 23.0	1.882	2.754	12.2	22.0
4 1	10 18.45	+25 11.0	1.944	2.736	15.2	22.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
211237 2002 PK_{182}			2 29.2	265°.81	0°.8/29.9	17
	h m	° ′			°	m
1 22	11 10.44	+ 3 1.9	1.836	2.614	15.8	21.2
2 1	11 6.94	+ 3 21.8	1.727	2.595	12.7	20.9
2 11	11 0.93	+ 3 59.1	1.640	2.575	8.8	20.6
2 21	10 52.86	+ 4 51.2	1.579	2.555	4.4	20.3
3 2	10 43.56	+ 5 52.9	1.545	2.535	1.0	20.0
3 12	10 34.16	+ 6 57.0	1.539	2.514	5.5	20.3
3 22	10 25.79	+ 7 56.2	1.561	2.493	10.2	20.5
4 1	10 19.43	+ 8 44.3	1.607	2.472	14.4	20.7
237202 2008 UP_{275}			2 29.2	75°.11	2°.7/26.7	18
1 22	11 10.77	+13 41.4	2.038	2.840	13.6	20.6
2 1	11 6.63	+14 18.1	1.961	2.846	10.5	20.4
2 11	11 0.32	+15 1.7	1.908	2.853	7.0	20.2
2 21	10 52.40	+15 46.6	1.881	2.859	3.6	20.0
3 2	10 43.71	+16 26.6	1.883	2.865	3.3	20.0
3 12	10 35.26	+16 56.3	1.914	2.872	6.5	20.2
3 22	10 27.96	+17 12.2	1.972	2.878	10.0	20.4
4 1	10 22.53	+17 13.0	2.053	2.885	13.1	20.6
420836 2013 JU_{21}			2 29.2	279°.38	7°.6/ 6.1	17
1 22	11 9.60	−12 2.6	1.783	2.494	18.6	21.7
2 1	11 6.57	−12 41.7	1.665	2.468	16.2	21.4
2 11	11 0.89	−12 56.6	1.565	2.443	13.3	21.2
2 21	10 52.96	−12 43.7	1.486	2.416	10.2	20.9
3 2	10 43.54	−12 1.5	1.432	2.390	7.9	20.7
3 12	10 33.82	−10 53.1	1.404	2.363	8.2	20.7
3 22	10 25.05	− 9 25.9	1.401	2.335	11.0	20.8
4 1	10 18.38	− 7 49.9	1.423	2.308	14.7	20.9
193796 2001 OB_{104}			2 29.2	172°.05	1°.2/28.1	18
1 22	11 13.25	+ 7 4.5	1.920	2.703	15.0	21.5
2 1	11 8.77	+ 7 57.1	1.833	2.707	11.7	21.3
2 11	11 1.90	+ 9 4.3	1.770	2.711	7.8	21.1
2 21	10 53.19	+10 20.5	1.734	2.714	3.5	20.8
3 2	10 43.54	+11 38.4	1.727	2.716	1.8	20.7
3 12	10 34.04	+12 50.1	1.750	2.717	6.0	21.0
3 22	10 25.72	+13 49.2	1.800	2.717	10.1	21.2
4 1	10 19.42	+14 31.8	1.875	2.716	13.7	21.4
176531 2001 YK_{156}			2 29.2	120°.85	2°.7/ 3.3	17
1 22	11 11.16	− 3 1.9	2.994	3.711	11.6	21.2
2 1	11 6.13	− 3 16.4	2.906	3.729	9.4	21.1
2 11	10 59.58	− 3 19.3	2.842	3.746	7.0	21.0
2 21	10 51.96	− 3 11.1	2.806	3.763	4.4	20.8
3 2	10 43.83	− 2 53.7	2.800	3.780	2.7	20.7
3 12	10 35.85	− 2 29.9	2.825	3.795	3.8	20.8
3 22	10 28.63	− 2 3.1	2.881	3.811	6.2	21.0
4 1	10 22.68	− 1 36.6	2.964	3.826	8.6	21.2
348934 2006 TA_{67}			2 29.2	128°.69	4°.1/ 5.5	17
1 22	11 6.67	− 9 31.6	2.761	3.457	12.9	21.6
2 1	11 2.91	− 9 33.6	2.667	3.467	10.9	21.4
2 11	10 57.58	− 9 18.6	2.595	3.476	8.5	21.3
2 21	10 51.09	− 8 47.0	2.547	3.485	6.0	21.1
3 2	10 44.02	− 8 0.5	2.528	3.494	4.3	21.0
3 12	10 37.07	− 7 3.0	2.539	3.502	4.7	21.0
3 22	10 30.85	− 5 59.4	2.578	3.511	6.7	21.2
4 1	10 25.92	− 4 54.9	2.645	3.519	9.1	21.4
377752 2005 YG_{15}			2 29.2	283°.83	5°.7/ 4.6	17
1 22	11 11.86	− 7 1.5	2.002	2.725	16.4	20.8
2 1	11 7.80	− 7 52.3	1.896	2.715	13.9	20.6
2 11	11 1.37	− 8 25.8	1.812	2.704	10.9	20.3
2 21	10 53.03	− 8 40.3	1.751	2.694	7.9	20.1
3 2	10 43.57	− 8 35.6	1.716	2.683	5.8	20.0
3 12	10 34.05	− 8 14.3	1.710	2.673	6.6	20.0
3 22	10 25.52	− 7 41.3	1.730	2.662	9.4	20.1
4 1	10 18.88	− 7 2.9	1.775	2.652	12.7	20.3
334668 2002 YE_{10}			2 29.2	66°.11	1°.4/ 1.6	18
1 22	11 9.30	+ 1 42.0	2.147	2.912	14.2	20.6
2 1	11 5.25	+ 1 51.0	2.075	2.933	11.3	20.4
2 11	10 59.25	+ 2 13.9	2.025	2.953	7.8	20.2
2 21	10 51.87	+ 2 48.2	2.001	2.974	4.1	20.0
3 2	10 43.86	+ 3 29.8	2.005	2.995	1.4	19.9
3 12	10 36.13	+ 4 13.5	2.039	3.015	4.3	20.1
3 22	10 29.44	+ 4 54.3	2.102	3.036	7.9	20.4
4 1	10 24.43	+ 5 28.2	2.189	3.056	11.0	20.6
154306 2002 UV_{32}			2 29.2	115°.52	0°.4/28.9	18
1 22	11 16.08	+ 5 50.2	1.623	2.408	17.2	21.4
2 1	11 11.17	+ 6 21.1	1.554	2.427	13.5	21.2
2 11	11 3.55	+ 7 7.7	1.506	2.445	9.0	20.9
2 21	10 53.94	+ 8 4.6	1.484	2.463	4.1	20.7
3 2	10 43.41	+ 9 4.7	1.490	2.480	1.1	20.5
3 12	10 33.28	+10 0.0	1.524	2.496	6.1	20.9
3 22	10 24.70	+10 44.3	1.585	2.512	10.6	21.2
4 1	10 18.50	+11 13.9	1.671	2.526	14.4	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
455740 2005 JA_{14}			2 29.2	272°.62	1°.6/27.9	17
	h m	° ′			°	m
1 22	11 16.13	+10 38.4	2.044	2.828	14.2	21.7
2 1	11 11.30	+10 59.0	1.921	2.796	11.2	21.4
2 11	11 3.88	+11 29.3	1.822	2.762	7.6	21.2
2 21	10 54.27	+12 5.3	1.749	2.728	3.6	20.8
3 2	10 43.28	+12 41.4	1.705	2.693	2.2	20.7
3 12	10 32.03	+13 11.4	1.692	2.657	6.4	20.9
3 22	10 21.69	+13 30.3	1.706	2.620	10.8	21.0
4 1	10 13.33	+13 35.1	1.745	2.582	14.7	21.2
317019 2001 QH_{205}			2 29.2	169°.30	1°.4/ 1.9	17
1 22	11 6.53	− 0 17.6	2.626	3.376	12.3	21.0
2 1	11 2.90	+ 0 10.7	2.530	3.378	9.8	20.8
2 11	10 57.63	+ 0 53.1	2.457	3.380	6.9	20.6
2 21	10 51.14	+ 1 47.5	2.411	3.382	3.8	20.4
3 2	10 44.02	+ 2 49.9	2.395	3.384	1.4	20.2
3 12	10 36.99	+ 3 55.4	2.409	3.385	3.8	20.4
3 22	10 30.72	+ 4 58.7	2.453	3.386	7.0	20.6
4 1	10 25.78	+ 5 55.6	2.524	3.387	9.9	20.8
380237 2001 TX_{56}			2 29.2	210°.72	4°.8/ 5.8	13 C
1 22	11 9.71	−11 15.9	2.597	3.280	13.9	23.0
2 1	11 5.53	−11 16.0	2.483	3.272	11.9	22.9
2 11	10 59.51	−10 56.6	2.389	3.263	9.4	22.7
2 21	10 52.06	−10 17.2	2.321	3.253	6.9	22.5
3 2	10 43.81	− 9 19.3	2.280	3.242	5.0	22.4
3 12	10 35.53	− 8 6.8	2.270	3.231	5.3	22.4
3 22	10 28.01	− 6 45.4	2.288	3.218	7.6	22.5
4 1	10 21.91	− 5 21.9	2.335	3.205	10.3	22.6
318506 2005 ER_{155}			2 29.2	57°.69	1°.1/28.4	18
1 22	11 12.47	+ 7 52.6	1.420	2.228	18.2	20.3
2 1	11 8.69	+ 8 20.9	1.358	2.245	14.1	20.1
2 11	11 2.04	+ 9 4.3	1.317	2.263	9.4	19.9
2 21	10 53.28	+ 9 56.5	1.300	2.280	4.2	19.6
3 2	10 43.57	+10 49.6	1.309	2.298	1.8	19.5
3 12	10 34.34	+11 35.3	1.345	2.317	6.7	19.9
3 22	10 26.78	+12 7.8	1.406	2.335	11.4	20.2
4 1	10 21.74	+12 23.8	1.490	2.353	15.4	20.5
435552 Morin			2 29.2	148°.59	0°.3/29.4	17
1 22	11 11.18	+ 5 34.3	2.120	2.896	14.0	21.7
2 1	11 6.89	+ 5 44.2	2.032	2.899	11.0	21.5
2 11	11 0.50	+ 6 5.7	1.966	2.902	7.5	21.3
2 21	10 52.52	+ 6 35.8	1.927	2.905	3.5	21.1
3 2	10 43.73	+ 7 10.3	1.917	2.907	0.7	20.9
3 12	10 35.10	+ 7 44.0	1.936	2.910	4.8	21.2
3 22	10 27.51	+ 8 12.3	1.983	2.912	8.6	21.4
4 1	10 21.69	+ 8 32.0	2.056	2.914	12.0	21.6
51799 2001 MF_{29}			2 29.2	128°.45	0°.9/28.2	18
1 22	11 8.45	+ 8 13.3	2.436	3.219	12.2	19.7
2 1	11 4.48	+ 8 48.7	2.353	3.226	9.5	19.5
2 11	10 58.71	+ 9 33.6	2.293	3.234	6.3	19.3
2 21	10 51.64	+10 24.0	2.261	3.241	2.8	19.1
3 2	10 43.93	+11 15.1	2.260	3.249	1.4	19.0
3 12	10 36.38	+12 1.8	2.288	3.255	4.7	19.3
3 22	10 29.73	+12 40.0	2.344	3.262	8.0	19.5
4 1	10 24.56	+13 6.8	2.426	3.269	11.0	19.7
201413 2002 WC_{14}			2 29.2	61°.28	4°.1/24.5	18
1 22	11 7.56	+17 0.8	2.177	2.988	12.6	20.0
2 1	11 4.12	+18 12.7	2.102	2.992	9.7	19.8
2 11	10 58.64	+19 30.2	2.051	2.995	6.6	19.6
2 21	10 51.66	+20 46.2	2.028	2.999	4.4	19.5
3 2	10 43.93	+21 53.6	2.034	3.003	4.8	19.5
3 12	10 36.37	+22 46.2	2.068	3.007	7.5	19.7
3 22	10 29.84	+23 20.3	2.128	3.011	10.5	19.9
4 1	10 25.01	+23 34.9	2.212	3.014	13.2	20.1
119241 2001 QQ_{282}			2 29.2	158°.04	2°.3/27.1	18
1 22	11 14.36	+10 32.6	2.006	2.794	14.3	20.6
2 1	11 9.49	+11 31.1	1.926	2.803	11.0	20.3
2 11	11 2.29	+12 40.4	1.869	2.812	7.3	20.1
2 21	10 53.36	+13 54.5	1.840	2.819	3.5	19.9
3 2	10 43.56	+15 5.7	1.841	2.826	2.9	19.9
3 12	10 33.98	+16 6.9	1.872	2.832	6.4	20.1
3 22	10 25.59	+16 53.1	1.931	2.836	10.2	20.3
4 1	10 19.18	+17 21.8	2.014	2.840	13.5	20.6
387178 2012 TJ_{264}			2 29.2	181°.64	2°.2/26.8	17
1 22	11 9.61	+13 11.7	2.484	3.276	11.7	22.0
2 1	11 5.40	+13 47.8	2.396	3.277	9.1	21.8
2 11	10 59.35	+14 30.1	2.334	3.277	6.0	21.6
2 21	10 51.96	+15 14.0	2.299	3.277	3.0	21.4
3 2	10 43.88	+15 54.5	2.294	3.277	2.7	21.4
3 12	10 35.94	+16 27.1	2.319	3.276	5.5	21.6
3 22	10 28.89	+16 48.3	2.371	3.275	8.6	21.7
4 1	10 23.35	+16 56.7	2.449	3.274	11.4	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V

502843 2015 DB_{166} 2 29.2 136°89 0°4/28.7 17

	h m	° ′			°	m
1 22	11 6.57	+ 5 29.3	2.447	3.224	12.3	21.2
2 1	11 3.05	+ 6 16.6	2.359	3.229	9.6	21.0
2 11	10 57.79	+ 7 15.9	2.296	3.234	6.4	20.8
2 21	10 51.24	+ 8 23.5	2.260	3.239	2.9	20.6
3 2	10 44.04	+ 9 34.0	2.254	3.244	0.9	20.5
3 12	10 36.96	+10 41.5	2.278	3.249	4.5	20.7
3 22	10 30.72	+11 41.0	2.331	3.253	7.9	21.0
4 1	10 25.92	+12 28.8	2.410	3.257	10.9	21.2

131613 2001 XA_{27} 2 29.2 63°83 0°7/28.8 18

1 22	11 17.16	+ 8 40.1	1.360	2.165	19.0	19.2
2 1	11 12.44	+ 8 41.9	1.299	2.183	14.8	19.0
2 11	11 4.59	+ 8 56.7	1.257	2.202	9.9	18.8
2 21	10 54.46	+ 9 19.4	1.240	2.220	4.5	18.5
3 2	10 43.35	+ 9 43.5	1.249	2.239	1.5	18.3
3 12	10 32.80	+10 2.1	1.285	2.258	6.8	18.7
3 22	10 24.14	+10 10.7	1.346	2.277	11.6	19.0
4 1	10 18.26	+10 6.7	1.429	2.296	15.8	19.3

408200 2013 EJ_{33} 2 29.2 347°07 4°2/ 3.3 18

1 22	11 5.06	− 3 48.6	1.255	2.046	21.1	20.2
2 1	11 3.60	− 3 52.7	1.172	2.040	17.4	19.9
2 11	10 59.11	− 3 27.8	1.107	2.035	12.9	19.6
2 21	10 52.16	− 2 34.0	1.063	2.030	7.9	19.3
3 2	10 43.81	− 1 16.0	1.041	2.027	4.3	19.1
3 12	10 35.56	+ 0 16.2	1.045	2.024	6.7	19.2
3 22	10 28.82	+ 1 50.4	1.072	2.022	11.7	19.5
4 1	10 24.73	+ 3 14.9	1.121	2.021	16.6	19.8

265579 2005 QO_{132} 2 29.2 68°34 1°6/27.8 18

1 22	11 9.52	+ 8 8.5	1.697	2.499	15.9	20.8
2 1	11 6.02	+ 9 1.0	1.629	2.514	12.3	20.6
2 11	11 0.09	+10 7.4	1.583	2.529	8.1	20.4
2 21	10 52.36	+11 21.4	1.563	2.543	3.6	20.1
3 2	10 43.80	+12 35.0	1.570	2.558	2.2	20.1
3 12	10 35.56	+13 39.9	1.606	2.573	6.4	20.4
3 22	10 28.65	+14 30.2	1.668	2.588	10.5	20.6
4 1	10 23.84	+15 2.6	1.753	2.603	14.1	20.9

104212 2000 ER_{117} 2 29.2 180°26 6°0/23.0 18

1 22	11 15.11	+26 11.1	2.379	3.179	12.0	19.6
2 1	11 9.83	+27 1.9	2.304	3.179	9.6	19.5
2 11	11 2.38	+27 50.0	2.254	3.180	7.3	19.3
2 21	10 53.35	+28 28.9	2.232	3.180	6.0	19.2
3 2	10 43.59	+28 52.3	2.238	3.180	6.6	19.3
3 12	10 34.09	+28 56.5	2.272	3.179	8.6	19.4
3 22	10 25.75	+28 40.5	2.332	3.179	11.1	19.5
4 1	10 19.28	+28 5.7	2.415	3.178	13.4	19.7

348915 2006 TG_{12} 2 29.2 181°60 3°7/ 4.8 17

1 22	11 6.39	− 7 35.0	2.656	3.368	13.1	21.2
2 1	11 2.83	− 7 33.5	2.555	3.368	10.9	21.1
2 11	10 57.61	− 7 15.1	2.475	3.368	8.4	20.9
2 21	10 51.16	− 6 40.3	2.421	3.368	5.7	20.7
3 2	10 44.07	− 5 51.3	2.395	3.368	3.9	20.6
3 12	10 37.03	− 4 52.0	2.399	3.367	4.5	20.6
3 22	10 30.73	− 3 47.5	2.431	3.366	6.9	20.8
4 1	10 25.75	− 2 43.3	2.491	3.365	9.6	20.9

468467 2004 KK_{10} 2 29.2 217°78 9°2/13.8 17

1 22	11 14.86	+43 19.5	2.933	3.701	10.7	21.8
2 1	11 9.78	+44 51.3	2.878	3.694	9.7	21.7
2 11	11 2.45	+46 11.9	2.848	3.686	9.2	21.6
2 21	10 53.43	+47 14.3	2.842	3.679	9.4	21.6
3 2	10 43.57	+47 52.7	2.862	3.670	10.1	21.7
3 12	10 33.90	+48 4.5	2.904	3.662	11.3	21.7
3 22	10 25.38	+47 50.1	2.968	3.653	12.6	21.8
4 1	10 18.76	+47 12.2	3.048	3.644	13.8	21.9

354866 2006 AR_{55} 2 29.2 273°50 4°6/24.9 18

1 22	11 9.25	+13 0.8	1.532	2.352	16.4	21.2
2 1	11 6.58	+14 33.6	1.439	2.335	12.8	20.9
2 11	11 1.02	+16 23.3	1.369	2.318	8.7	20.6
2 21	10 53.04	+18 20.5	1.324	2.300	5.1	20.3
3 2	10 43.62	+20 12.7	1.306	2.283	5.7	20.3
3 12	10 34.14	+21 47.4	1.316	2.265	9.8	20.5
3 22	10 25.96	+22 56.2	1.349	2.246	14.3	20.7
4 1	10 20.23	+23 35.3	1.403	2.228	18.3	20.9

155928 2001 PO_{43} 2 29.2 186°12 2°4/26.9 18

1 22	11 15.76	+11 47.6	2.140	2.925	13.6	21.3
2 1	11 10.53	+12 36.1	2.049	2.925	10.6	21.1
2 11	11 3.00	+13 33.8	1.983	2.924	7.0	20.8
2 21	10 53.72	+14 35.1	1.945	2.923	3.5	20.6
3 2	10 43.51	+15 33.3	1.936	2.920	2.9	20.6
3 12	10 33.44	+16 22.0	1.958	2.916	6.3	20.8
3 22	10 24.47	+16 56.7	2.009	2.911	10.0	21.0
4 1	10 17.40	+17 15.2	2.084	2.906	13.3	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V

380815 2005 YW_{98} 2 29.2 135°51 10°9/ 6.0 18

	h m	° ′			°	m
1 22	11 22.45	−12 8.8	1.367	2.079	23.2	20.9
2 1	11 17.18	−14 2.9	1.288	2.088	20.2	20.7
2 11	11 8.31	−15 32.8	1.227	2.096	16.7	20.4
2 21	10 56.46	−16 31.1	1.185	2.104	13.3	20.3
3 2	10 42.90	−16 52.9	1.167	2.111	11.1	20.1
3 12	10 29.44	−16 39.5	1.174	2.117	11.4	20.2
3 22	10 17.81	−15 58.4	1.205	2.123	13.9	20.3
4 1	10 9.32	−15 0.9	1.257	2.129	17.2	20.5

179983 2002 XE_{52} 2 29.2 87°09 0°9/28.4 18

1 22	11 12.61	+ 7 36.4	1.776	2.567	15.7	20.4
2 1	11 8.26	+ 8 8.9	1.708	2.586	12.2	20.2
2 11	11 1.50	+ 8 54.2	1.663	2.605	8.1	19.9
2 21	10 52.99	+ 9 47.0	1.643	2.623	3.6	19.7
3 2	10 43.71	+10 40.6	1.652	2.641	1.5	19.6
3 12	10 34.78	+11 28.3	1.689	2.659	5.8	19.9
3 22	10 27.21	+12 4.9	1.753	2.677	9.9	20.2
4 1	10 21.74	+12 27.3	1.842	2.694	13.4	20.5

433659 2014 BG_{27} 2 29.2 340°17 2°7/26.3 17

1 22	11 4.10	+10 57.0	1.915	2.728	14.0	20.4
2 1	11 1.78	+12 7.4	1.828	2.720	10.8	20.2
2 11	10 57.29	+13 30.4	1.763	2.712	7.1	19.9
2 21	10 51.14	+14 59.7	1.725	2.705	3.6	19.7
3 2	10 44.09	+16 26.9	1.716	2.698	3.5	19.7
3 12	10 37.13	+17 43.6	1.734	2.692	7.0	19.9
3 22	10 31.18	+18 43.6	1.779	2.687	10.8	20.1
4 1	10 27.03	+19 23.5	1.846	2.682	14.1	20.3

357543 2004 RV_{317} 2 29.2 75°89 3°9/ 3.3 18

1 22	11 11.98	− 4 0.7	1.467	2.231	19.7	21.2
2 1	11 8.29	− 4 3.9	1.399	2.250	16.1	21.0
2 11	11 1.80	− 3 42.1	1.349	2.268	11.8	20.7
2 21	10 53.22	− 2 56.7	1.322	2.286	7.2	20.5
3 2	10 43.66	− 1 52.7	1.321	2.304	4.0	20.4
3 12	10 34.46	− 0 38.6	1.346	2.322	6.0	20.5
3 22	10 26.83	+ 0 36.1	1.398	2.340	10.3	20.8
4 1	10 21.64	+ 1 43.2	1.473	2.358	14.3	21.1

431048 2006 BM_{52} 2 29.2 211°92 2°2/ 2.4 17

1 22	11 12.33	− 0 9.9	2.488	3.229	13.1	21.7
2 1	11 7.57	− 0 20.7	2.382	3.222	10.6	21.5
2 11	11 0.89	− 0 19.0	2.298	3.216	7.7	21.3
2 21	10 52.73	− 0 5.8	2.242	3.208	4.5	21.1
3 2	10 43.76	+ 0 16.7	2.215	3.200	2.2	20.9
3 12	10 34.81	+ 0 44.8	2.218	3.192	4.3	21.0
3 22	10 26.68	+ 1 14.4	2.251	3.183	7.6	21.2
4 1	10 20.08	+ 1 41.5	2.310	3.173	10.7	21.4

415832 2001 RS_{14} 2 29.2 103°42 5°8/ 6.2 18

1 22	11 13.31	−11 23.7	2.191	2.879	16.1	22.2
2 1	11 8.40	−11 50.8	2.114	2.904	13.6	22.0
2 11	11 1.41	−11 56.9	2.057	2.928	10.8	21.9
2 21	10 52.93	−11 41.3	2.024	2.952	8.0	21.7
3 2	10 43.74	−11 5.4	2.018	2.975	6.0	21.7
3 12	10 34.80	−10 13.5	2.040	2.997	6.2	21.7
3 22	10 26.96	− 9 11.8	2.091	3.019	8.3	21.9
4 1	10 20.91	− 8 7.1	2.168	3.039	10.9	22.1

456777 2007 TS_{155} 2 29.2 130°29 0°1/29.2 18

1 22	11 14.64	+ 5 33.7	1.911	2.687	15.3	22.4
2 1	11 9.73	+ 5 54.8	1.833	2.701	12.0	22.2
2 11	11 2.46	+ 6 29.4	1.778	2.714	8.1	22.0
2 21	10 53.46	+ 7 13.2	1.749	2.727	3.7	21.7
3 2	10 43.62	+ 8 0.9	1.749	2.739	0.8	21.5
3 12	10 34.06	+ 8 46.1	1.778	2.751	5.3	21.9
3 22	10 25.77	+ 9 23.7	1.836	2.762	9.4	22.1
4 1	10 19.52	+ 9 49.9	1.918	2.772	12.9	22.4

171880 2001 QV_{274} 2 29.2 178°50 2°3/26.2 17

1 22	11 7.89	+13 3.7	2.743	3.534	10.8	21.3
2 1	11 3.92	+13 59.9	2.656	3.536	8.3	21.1
2 11	10 58.32	+15 2.6	2.594	3.537	5.5	21.0
2 21	10 51.49	+16 7.3	2.560	3.537	2.9	20.8
3 2	10 44.05	+17 8.6	2.557	3.537	2.8	20.8
3 12	10 36.71	+18 1.5	2.585	3.537	5.4	20.9
3 22	10 30.13	+18 42.5	2.641	3.536	8.2	21.1
4 1	10 24.90	+19 9.6	2.722	3.535	10.7	21.3

120102 2003 FU_5 2 29.2 326°29 2°9/27.2 18

1 22	11 15.65	+14 55.8	1.757	2.561	15.4	19.5
2 1	11 10.93	+15 8.0	1.673	2.558	12.0	19.3
2 11	11 3.51	+15 25.5	1.610	2.555	8.1	19.0
2 21	10 54.03	+15 43.0	1.573	2.551	4.2	18.8
3 2	10 43.50	+15 54.3	1.565	2.549	3.5	18.7
3 12	10 33.21	+15 54.4	1.584	2.546	7.2	19.0
3 22	10 24.32	+15 40.5	1.630	2.543	11.3	19.2
4 1	10 17.73	+15 12.2	1.699	2.541	14.9	19.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
386567	2009 DW_{111}		2 29.2	87°.36	1°.2/ 1.7	17
	h m	° ′			°	m
1 22	11 6.02	− 0 18.6	2.415	3.171	13.1	21.5
2 1	11 2.60	+ 0 23.7	2.334	3.186	10.4	21.3
2 11	10 57.47	+ 1 21.7	2.275	3.202	7.2	21.1
2 21	10 51.11	+ 2 32.0	2.244	3.217	3.8	20.9
3 2	10 44.16	+ 3 50.0	2.242	3.232	1.2	20.8
3 12	10 37.38	+ 5 9.3	2.271	3.247	4.0	21.0
3 22	10 31.46	+ 6 24.3	2.329	3.261	7.3	21.2
4 1	10 26.97	+ 7 30.0	2.413	3.276	10.3	21.4
471425	2011 UC_{39}		2 29.2	245°.51	4°.6/ 5.8	17
1 22	11 6.35	−10 23.0	2.782	3.473	12.9	21.5
2 1	11 2.82	−10 33.3	2.668	3.462	11.0	21.3
2 11	10 57.66	−10 26.8	2.575	3.451	8.7	21.1
2 21	10 51.24	−10 2.9	2.508	3.440	6.4	21.0
3 2	10 44.11	− 9 22.8	2.468	3.429	4.8	20.8
3 12	10 36.98	− 8 29.6	2.457	3.417	5.0	20.8
3 22	10 30.50	− 7 28.0	2.474	3.405	7.0	20.9
4 1	10 25.28	− 6 23.2	2.519	3.393	9.5	21.1
504547	2008 SX_{140}		2 29.2	260°.44	5°.0/ 4.8	17
1 22	11 9.23	− 7 53.0	2.177	2.895	15.4	21.6
2 1	11 5.58	− 8 16.0	2.067	2.882	13.0	21.4
2 11	10 59.81	− 8 20.3	1.977	2.869	10.2	21.2
2 21	10 52.33	− 8 4.8	1.911	2.855	7.2	21.0
3 2	10 43.86	− 7 30.6	1.872	2.841	5.1	20.9
3 12	10 35.33	− 6 41.4	1.861	2.827	5.8	20.9
3 22	10 27.67	− 5 43.0	1.878	2.813	8.6	21.0
4 1	10 21.68	− 4 41.9	1.921	2.799	11.8	21.2
219411	2000 SZ_{260}		2 29.2	78°.91	8°.0/22.1	18
1 22	11 17.14	+28 42.5	1.880	2.689	14.3	20.1
2 1	11 11.80	+29 56.4	1.833	2.709	11.6	20.0
2 11	11 3.85	+31 4.4	1.810	2.730	9.2	19.9
2 21	10 54.05	+31 57.3	1.812	2.750	8.1	19.9
3 2	10 43.55	+32 27.3	1.841	2.770	8.8	19.9
3 12	10 33.61	+32 30.8	1.897	2.790	10.9	20.1
3 22	10 25.32	+32 8.3	1.976	2.810	13.3	20.3
4 1	10 19.39	+31 23.1	2.076	2.829	15.6	20.5
411184	2010 HU_{10}		2 29.2	184°.15	0°.4/29.6	17
1 22	11 13.84	+ 4 25.7	2.224	2.987	13.8	22.2
2 1	11 8.93	+ 4 42.8	2.128	2.988	10.9	22.0
2 11	11 1.89	+ 5 12.5	2.056	2.988	7.5	21.8
2 21	10 53.22	+ 5 51.8	2.010	2.987	3.6	21.5
3 2	10 43.70	+ 6 36.3	1.995	2.985	0.7	21.3
3 12	10 34.27	+ 7 20.6	2.010	2.983	4.7	21.6
3 22	10 25.85	+ 7 59.8	2.054	2.980	8.5	21.8
4 1	10 19.18	+ 8 30.1	2.123	2.976	11.9	22.0
422277	2014 SW_{152}		2 29.2	187°.29	0°.7/29.8	17
1 22	11 12.30	+ 3 13.5	2.076	2.843	14.6	22.4
2 1	11 7.91	+ 3 36.5	1.982	2.843	11.6	22.2
2 11	11 1.29	+ 4 14.3	1.910	2.842	8.0	21.9
2 21	10 52.98	+ 5 3.9	1.864	2.841	3.9	21.7
3 2	10 43.75	+ 6 0.3	1.848	2.839	0.8	21.4
3 12	10 34.62	+ 6 57.3	1.862	2.836	4.9	21.7
3 22	10 26.53	+ 7 49.0	1.903	2.832	8.9	22.0
4 1	10 20.26	+ 8 30.8	1.971	2.828	12.5	22.2
183049	2002 QW_{69}		2 29.2	85°.67	1°.1/28.2	18
1 22	11 9.68	+ 6 24.6	1.665	2.462	16.4	20.9
2 1	11 6.26	+ 7 19.9	1.592	2.474	12.7	20.7
2 11	11 0.34	+ 8 31.7	1.541	2.485	8.4	20.5
2 21	10 52.55	+ 9 53.8	1.516	2.497	3.7	20.2
3 2	10 43.86	+11 17.8	1.519	2.508	1.8	20.1
3 12	10 35.44	+12 34.4	1.550	2.520	6.3	20.4
3 22	10 28.36	+13 36.8	1.607	2.531	10.7	20.7
4 1	10 23.41	+14 20.8	1.688	2.542	14.4	21.0
67590	2000 SU_{135}		2 29.2	301°.78	3°.8/ 2.7	18
1 22	11 12.22	− 1 12.7	1.509	2.282	18.9	19.0
2 1	11 8.78	− 1 42.8	1.417	2.276	15.5	18.8
2 11	11 2.41	− 1 53.5	1.345	2.269	11.4	18.5
2 21	10 53.68	− 1 44.7	1.296	2.262	6.9	18.3
3 2	10 43.59	− 1 18.7	1.272	2.256	3.8	18.0
3 12	10 33.53	− 0 41.2	1.274	2.250	6.3	18.2
3 22	10 24.85	+ 0 0.6	1.302	2.244	10.9	18.4
4 1	10 18.63	+ 0 39.2	1.353	2.238	15.3	18.6
227472	2005 WF_{162}		2 29.2	268°.67	2°.3/27.1	17
1 22	11 9.76	+11 9.9	1.900	2.702	14.4	20.8
2 1	11 6.19	+11 54.1	1.812	2.697	11.2	20.5
2 11	11 0.27	+12 49.0	1.746	2.692	7.4	20.3
2 21	10 52.55	+13 49.0	1.707	2.687	3.6	20.0
3 2	10 43.86	+14 47.1	1.696	2.681	2.9	20.0
3 12	10 35.28	+15 36.1	1.713	2.676	6.6	20.2
3 22	10 27.84	+16 11.1	1.757	2.670	10.6	20.4
4 1	10 22.34	+16 29.2	1.824	2.665	14.1	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
254364	2004 TS_{89}		2 29.2	273°.39	1°.8/ 2.4	16
	h m	° ′			°	m
1 22	11 7.02	− 1 10.4	2.948	3.685	11.3	22.1
2 1	11 3.31	− 0 53.9	2.816	3.655	9.2	21.9
2 11	10 58.01	− 0 24.0	2.708	3.625	6.7	21.7
2 21	10 51.44	+ 0 17.8	2.627	3.594	3.8	21.4
3 2	10 44.10	+ 1 9.1	2.576	3.562	1.8	21.2
3 12	10 36.65	+ 2 5.9	2.556	3.530	3.7	21.3
3 22	10 29.75	+ 3 3.7	2.565	3.498	6.7	21.5
4 1	10 24.01	+ 3 58.1	2.603	3.465	9.6	21.6
222257	2000 QC_{116}		2 29.2	182°.64	0°.1/29.3	17
1 22	11 11.04	+ 5 24.7	2.296	3.067	13.2	21.9
2 1	11 6.68	+ 5 47.7	2.202	3.068	10.4	21.7
2 11	11 0.34	+ 6 22.5	2.132	3.068	7.0	21.5
2 21	10 52.50	+ 7 5.8	2.090	3.068	3.3	21.3
3 2	10 43.88	+ 7 53.1	2.076	3.067	0.7	21.0
3 12	10 35.37	+ 8 39.1	2.093	3.066	4.6	21.3
3 22	10 27.80	+ 9 19.0	2.139	3.064	8.3	21.6
4 1	10 21.85	+ 9 49.3	2.210	3.062	11.5	21.8
65592	2155 T-3		2 29.2	359°.60	3°.1/ 3.4	18
1 22	11 5.97	− 3 18.8	2.171	2.919	14.6	19.2
2 1	11 2.90	− 3 20.7	2.076	2.918	11.9	19.0
2 11	10 57.88	− 3 5.4	2.004	2.918	8.8	18.8
2 21	10 51.39	− 2 33.9	1.956	2.918	5.5	18.6
3 2	10 44.13	− 1 49.1	1.935	2.918	3.1	18.5
3 12	10 36.95	− 0 55.9	1.943	2.918	4.6	18.6
3 22	10 30.67	− 0 0.1	1.979	2.919	7.9	18.8
4 1	10 25.99	+ 0 52.5	2.041	2.920	11.2	19.0
159543	2001 RW_{63}		2 29.2	116°.89	0°.3/29.5	18
1 22	11 12.39	+ 3 16.9	1.623	2.407	17.3	20.9
2 1	11 8.43	+ 3 55.0	1.548	2.420	13.6	20.7
2 11	11 1.84	+ 4 52.0	1.495	2.432	9.2	20.4
2 21	10 53.27	+ 6 3.2	1.466	2.444	4.4	20.2
3 2	10 43.73	+ 7 21.0	1.465	2.456	0.8	19.9
3 12	10 34.49	+ 8 36.5	1.493	2.467	5.8	20.3
3 22	10 26.65	+ 9 41.9	1.547	2.478	10.4	20.6
4 1	10 21.09	+10 32.0	1.625	2.488	14.4	20.8
502842	2015 DR_{165}		2 29.2	185°.99	0°.2/29.5	17
1 22	11 6.39	+ 3 33.2	2.438	3.208	12.6	21.4
2 1	11 2.99	+ 4 13.7	2.343	3.208	9.9	21.2
2 11	10 57.82	+ 5 7.6	2.273	3.208	6.7	21.0
2 21	10 51.33	+ 6 11.6	2.230	3.207	3.2	20.8
3 2	10 44.16	+ 7 20.8	2.216	3.207	0.6	20.6
3 12	10 37.07	+ 8 29.3	2.233	3.206	4.3	20.9
3 22	10 30.79	+ 9 31.8	2.278	3.205	7.8	21.1
4 1	10 25.94	+10 24.0	2.349	3.204	10.8	21.3
58130	1981 ER_{38}		2 29.2	46°.81	3°.5/ 3.7	18
1 22	11 6.21	− 5 37.8	1.608	2.368	18.4	19.0
2 1	11 3.63	− 5 12.6	1.534	2.382	15.1	18.7
2 11	10 58.62	− 4 20.8	1.480	2.397	11.1	18.5
2 21	10 51.78	− 3 4.7	1.448	2.412	6.8	18.3
3 2	10 44.07	− 1 30.2	1.444	2.428	3.6	18.2
3 12	10 36.62	+ 0 13.1	1.466	2.443	5.4	18.3
3 22	10 30.48	+ 1 54.9	1.516	2.460	9.5	18.6
4 1	10 26.41	+ 3 26.4	1.589	2.476	13.3	18.8
88145	2000 WT_{182}		2 29.2	125°.23	0°.9/28.2	18
1 22	11 9.00	+ 6 2.9	2.263	3.041	13.2	20.1
2 1	11 5.05	+ 7 5.3	2.184	3.055	10.2	19.9
2 11	10 59.20	+ 8 20.7	2.129	3.069	6.7	19.7
2 21	10 51.96	+ 9 44.1	2.102	3.082	3.0	19.5
3 2	10 44.04	+11 9.0	2.106	3.095	1.4	19.4
3 12	10 36.31	+12 28.3	2.140	3.107	5.0	19.6
3 22	10 29.55	+13 36.6	2.203	3.119	8.6	19.9
4 1	10 24.39	+14 30.1	2.291	3.131	11.6	20.1
106174	2000 UX_{3}		2 29.2	75°.70	4°.0/ 3.4	18
1 22	11 10.77	− 3 54.8	1.544	2.307	19.0	19.3
2 1	11 7.36	− 4 2.6	1.466	2.316	15.5	19.1
2 11	11 1.25	− 3 46.7	1.408	2.325	11.5	18.9
2 21	10 53.05	− 3 8.0	1.371	2.335	7.1	18.7
3 2	10 43.80	− 2 10.5	1.361	2.344	4.0	18.5
3 12	10 34.78	− 1 1.9	1.378	2.354	6.0	18.6
3 22	10 27.18	+ 0 9.0	1.421	2.363	10.1	18.9
4 1	10 21.90	+ 1 14.0	1.487	2.372	14.2	19.1
496736	2016 GE_{246}		2 29.2	130°.76	2°.6/ 2.8	17
1 22	11 9.23	− 2 13.0	2.114	2.863	14.9	21.1
2 1	11 5.43	− 2 6.2	2.024	2.869	12.1	20.9
2 11	10 59.58	− 1 42.0	1.957	2.875	8.8	20.7
2 21	10 52.18	− 1 2.1	1.914	2.880	5.2	20.5
3 2	10 43.99	− 0 9.9	1.900	2.886	2.6	20.4
3 12	10 35.94	+ 0 48.8	1.915	2.891	4.6	20.5
3 22	10 28.89	+ 1 48.0	1.959	2.896	8.1	20.7
4 1	10 23.54	+ 2 41.9	2.028	2.901	11.5	21.0

422379 2014 SZ_{262} 2 29.2 74.°46 3.°7/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 9.42	− 6 54.3	1.781	2.520	17.6	20.5
2 1	11 5.77	− 6 24.7	1.713	2.547	14.4	20.3
2 11	10 59.84	− 5 30.1	1.665	2.573	10.7	20.1
2 21	10 52.28	− 4 12.8	1.641	2.600	6.7	20.0
3 2	10 43.99	− 2 38.6	1.644	2.626	3.8	19.8
3 12	10 36.04	− 0 56.3	1.676	2.652	5.2	20.0
3 22	10 29.37	+ 0 44.8	1.736	2.677	8.7	20.2
4 1	10 24.68	+ 2 16.6	1.822	2.702	12.2	20.5

434604 2005 UM_{313} 2 29.2 97.°61 13.°5/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.22	−25 27.8	1.265	1.931	26.8	21.0
2 1	11 7.09	−26 13.3	1.192	1.941	24.3	20.9
2 11	11 1.60	−26 13.7	1.130	1.952	21.2	20.7
2 21	10 53.39	−25 21.1	1.083	1.962	17.9	20.5
3 2	10 43.72	−23 32.1	1.054	1.972	14.9	20.3
3 12	10 34.30	−20 53.2	1.048	1.982	13.5	20.3
3 22	10 26.70	−17 40.5	1.064	1.992	14.4	20.3
4 1	10 22.07	−14 15.1	1.103	2.001	17.0	20.5

182055 2000 DA_{92} 2 29.2 108.°32 0.°2/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.06	+ 4 25.6	1.818	2.601	15.8	20.6
2 1	11 7.14	+ 4 55.3	1.740	2.611	12.4	20.4
2 11	11 0.85	+ 5 40.5	1.684	2.622	8.4	20.2
2 21	10 52.79	+ 6 37.1	1.653	2.632	3.9	20.0
3 2	10 43.88	+ 7 39.0	1.651	2.642	0.8	19.7
3 12	10 35.20	+ 8 38.8	1.678	2.652	5.4	20.1
3 22	10 27.76	+ 9 30.3	1.731	2.661	9.6	20.3
4 1	10 22.33	+10 9.0	1.809	2.670	13.3	20.6

408988 2002 TN_{85} 2 29.2 68.°65 17.°0/16.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 42.27	+54 26.5	1.680	2.411	18.8	20.7
2 1	11 32.89	+55 57.7	1.664	2.430	17.7	20.7
2 11	11 18.47	+56 59.1	1.666	2.448	17.1	20.7
2 21	11 0.71	+57 17.7	1.686	2.467	17.1	20.7
3 2	10 42.31	+56 46.0	1.726	2.486	17.7	20.8
3 12	10 26.03	+55 26.0	1.785	2.505	18.6	20.9
3 22	10 13.70	+53 26.6	1.860	2.524	19.7	21.0
4 1	10 5.98	+50 58.8	1.950	2.542	20.8	21.2

503233 2015 HD_{109} 2 29.2 328.°85 2.°4/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.89	+10 26.5	2.079	2.883	13.3	21.3
2 1	11 2.23	+11 35.4	1.989	2.876	10.2	21.0
2 11	10 57.54	+12 56.4	1.923	2.870	6.8	20.8
2 21	10 51.29	+14 23.5	1.884	2.863	3.3	20.6
3 2	10 44.20	+15 49.3	1.873	2.857	3.0	20.6
3 12	10 37.19	+17 5.9	1.892	2.851	6.4	20.8
3 22	10 31.11	+18 7.5	1.938	2.845	10.0	21.0
4 1	10 26.70	+18 50.7	2.007	2.840	13.3	21.2

111226 2001 WO_{48} 2 29.2 198.°77 0.°5/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.48	+ 2 42.3	2.867	3.625	11.2	21.3
2 1	11 2.79	+ 3 19.2	2.765	3.621	8.8	21.1
2 11	10 57.57	+ 4 8.0	2.688	3.618	6.0	20.9
2 21	10 51.20	+ 5 6.0	2.638	3.614	3.0	20.7
3 2	10 44.23	+ 6 9.3	2.619	3.610	0.6	20.5
3 12	10 37.31	+ 7 13.1	2.631	3.605	3.7	20.7
3 22	10 31.06	+ 8 12.9	2.673	3.600	6.8	20.9
4 1	10 26.02	+ 9 4.8	2.742	3.594	9.5	21.1

281729 2008 XY_{14} 2 29.2 198.°98 0.°1/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.23	+ 5 43.7	2.312	3.088	13.0	21.6
2 1	11 5.29	+ 6 5.8	2.218	3.086	10.2	21.4
2 11	10 59.43	+ 6 39.4	2.148	3.085	6.9	21.2
2 21	10 52.11	+ 7 21.2	2.104	3.083	3.2	21.0
3 2	10 44.04	+ 8 6.8	2.090	3.081	0.7	20.8
3 12	10 36.06	+ 8 51.0	2.106	3.078	4.6	21.1
3 22	10 28.98	+ 9 29.2	2.150	3.076	8.2	21.3
4 1	10 23.47	+ 9 57.8	2.219	3.073	11.4	21.5

57226 2001 QN_{75} 2 29.2 228.°25 6.°1/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 16.92	+23 26.8	1.953	2.759	14.0	18.9
2 1	11 11.79	+24 15.6	1.872	2.754	11.1	18.7
2 11	11 4.04	+25 4.0	1.815	2.749	8.2	18.5
2 21	10 54.30	+25 44.2	1.785	2.744	6.2	18.3
3 2	10 43.57	+26 8.6	1.782	2.738	6.8	18.4
3 12	10 33.10	+26 12.1	1.808	2.733	9.3	18.5
3 22	10 24.01	+25 53.4	1.858	2.727	12.4	18.7
4 1	10 17.16	+25 13.9	1.931	2.721	15.3	18.8

369975 1996 XZ_{9} 2 29.2 107.°44 0.°5/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.49	+ 7 32.2	1.991	2.775	14.5	21.9
2 1	11 8.02	+ 7 49.8	1.912	2.786	11.3	21.7
2 11	11 1.32	+ 8 18.4	1.856	2.796	7.6	21.5
2 21	10 52.99	+ 8 54.0	1.826	2.806	3.4	21.3
3 2	10 43.86	+ 9 31.6	1.826	2.816	1.1	21.1
3 12	10 34.99	+10 5.6	1.854	2.826	5.2	21.4
3 22	10 27.28	+10 31.5	1.910	2.835	9.1	21.7
4 1	10 21.48	+10 46.5	1.991	2.844	12.5	21.9

84335 2002 TR_{53} 2 29.2 109.°13 0.°7/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 10.70	+ 3 2.3	1.847	2.624	15.8	19.9
2 1	11 6.83	+ 3 28.7	1.767	2.634	12.4	19.7
2 11	11 0.64	+ 4 11.7	1.710	2.645	8.5	19.5
2 21	10 52.71	+ 5 7.3	1.678	2.655	4.1	19.2
3 2	10 43.93	+ 6 9.8	1.674	2.664	0.8	19.0
3 12	10 35.38	+ 7 12.0	1.699	2.674	5.1	19.3
3 22	10 28.03	+ 8 7.4	1.751	2.683	9.3	19.6
4 1	10 22.65	+ 8 51.2	1.828	2.692	13.0	19.8

196554 2003 QZ_{7} 2 29.2 223.°81 0.°9/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.69	+ 3 3.1	2.184	2.953	13.9	21.1
2 1	11 5.81	+ 3 15.6	2.087	2.948	11.1	20.9
2 11	10 59.87	+ 3 41.8	2.012	2.944	7.7	20.7
2 21	10 52.36	+ 4 19.0	1.964	2.939	3.9	20.5
3 2	10 44.01	+ 5 3.3	1.944	2.934	1.0	20.2
3 12	10 35.72	+ 5 49.2	1.954	2.929	4.6	20.5
3 22	10 28.37	+ 6 31.7	1.992	2.924	8.4	20.7
4 1	10 22.69	+ 7 6.3	2.055	2.918	11.8	20.9

396721 2002 XG_{50} 2 29.2 142.°87 4.°2/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.61	− 4 50.4	1.656	2.403	18.5	21.4
2 1	11 9.46	− 5 0.1	1.573	2.412	15.2	21.1
2 11	11 2.63	− 4 46.9	1.508	2.419	11.4	20.9
2 21	10 53.72	− 4 11.1	1.467	2.427	7.2	20.7
3 2	10 43.72	− 3 16.0	1.453	2.433	4.3	20.5
3 12	10 33.90	− 2 8.7	1.466	2.440	6.0	20.6
3 22	10 25.45	− 0 57.6	1.506	2.445	9.9	20.9
4 1	10 19.28	+ 0 9.2	1.570	2.450	13.9	21.1

307455 2002 VP_{55} 2 29.2 138.°08 0.°1/29.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.37	+ 5 6.5	2.059	2.834	14.4	21.0
2 1	11 7.88	+ 5 32.2	1.977	2.844	11.3	20.8
2 11	11 1.22	+ 6 11.0	1.918	2.854	7.7	20.6
2 21	10 52.95	+ 6 59.3	1.885	2.864	3.6	20.4
3 2	10 43.90	+ 7 51.6	1.882	2.873	0.7	20.2
3 12	10 35.05	+ 8 42.0	1.908	2.881	4.9	20.5
3 22	10 27.32	+ 9 25.1	1.963	2.889	8.8	20.8
4 1	10 21.42	+ 9 57.4	2.042	2.897	12.2	21.0

457129 2008 FQ_{63} 2 29.2 335.°41 2.°9/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.42	+10 54.2	1.478	2.299	16.9	21.4
2 1	11 5.07	+11 46.2	1.395	2.291	13.1	21.1
2 11	10 59.93	+12 52.8	1.333	2.283	8.8	20.8
2 21	10 52.55	+14 6.9	1.295	2.276	4.3	20.5
3 2	10 43.97	+15 19.1	1.284	2.269	3.6	20.5
3 12	10 35.51	+16 19.5	1.299	2.263	8.0	20.7
3 22	10 28.44	+17 1.2	1.338	2.258	12.7	20.9
4 1	10 23.75	+17 20.8	1.398	2.253	16.8	21.2

412906 2014 QG_{106} 2 29.2 182.°14 0.°2/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.97	+ 3 7.9	1.908	2.683	15.4	21.5
2 1	11 7.10	+ 3 51.3	1.817	2.684	12.2	21.3
2 11	11 0.90	+ 4 52.4	1.749	2.684	8.3	21.0
2 21	10 52.89	+ 6 7.1	1.706	2.684	3.9	20.8
3 2	10 43.92	+ 7 28.7	1.693	2.683	0.8	20.5
3 12	10 35.05	+ 8 49.3	1.709	2.682	5.3	20.8
3 22	10 27.30	+10 1.3	1.752	2.680	9.6	21.1
4 1	10 21.48	+10 59.5	1.821	2.678	13.4	21.3

455598 2004 TG_{42} 2 29.2 164.°08 1.°4/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.01	+ 0 57.2	2.129	2.882	14.7	22.8
2 1	11 9.13	+ 1 16.2	2.039	2.889	11.8	22.6
2 11	11 2.08	+ 1 51.0	1.971	2.896	8.2	22.4
2 21	10 53.37	+ 2 38.9	1.929	2.902	4.3	22.1
3 2	10 43.82	+ 3 35.5	1.917	2.906	1.4	21.9
3 12	10 34.42	+ 4 34.7	1.935	2.910	4.6	22.2
3 22	10 26.08	+ 5 30.7	1.983	2.913	8.5	22.4
4 1	10 19.55	+ 6 18.4	2.056	2.915	12.0	22.6

162602 2000 SD_{73} 2 29.2 141.°56 1.°3/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.34	+ 7 56.5	1.835	2.623	15.4	20.9
2 1	11 8.93	+ 8 39.5	1.756	2.633	12.0	20.6
2 11	11 2.08	+ 9 35.8	1.700	2.642	8.0	20.4
2 21	10 53.40	+10 39.9	1.671	2.651	3.6	20.2
3 2	10 43.82	+11 44.5	1.670	2.659	1.8	20.1
3 12	10 34.49	+12 42.4	1.699	2.667	6.1	20.4
3 22	10 26.43	+13 27.8	1.755	2.674	10.2	20.6
4 1	10 20.44	+13 57.4	1.834	2.680	13.8	20.8

96374 1997 YZ_{13} 2 29.2 117.°10 2.°4/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.23	+10 13.0	1.758	2.556	15.6	20.0
2 1	11 8.89	+11 15.4	1.689	2.572	12.0	19.8
2 11	11 2.05	+12 29.9	1.642	2.587	7.9	19.6
2 21	10 53.37	+13 49.5	1.623	2.602	3.8	19.4
3 2	10 43.84	+15 5.6	1.632	2.617	3.1	19.4
3 12	10 34.62	+16 10.0	1.670	2.631	6.9	19.6
3 22	10 26.78	+16 57.5	1.734	2.644	10.9	19.9
4 1	10 21.10	+17 25.5	1.822	2.657	14.3	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
325235 2008 GT_{62}			2 29.3 265°09	4°9/ 5.0 17		
	h m	° ′			°	m
1 22	11 8.41	− 8 53.0	2.101	2.818	15.9	21.9
2 1	11 5.14	− 8 53.6	1.982	2.797	13.5	21.7
2 11	10 59.67	− 8 31.7	1.882	2.775	10.6	21.5
2 21	10 52.40	− 7 46.5	1.807	2.753	7.4	21.2
3 2	10 44.01	− 6 39.5	1.758	2.730	5.0	21.0
3 12	10 35.48	− 5 15.8	1.738	2.707	5.8	21.0
3 22	10 27.79	− 3 42.8	1.745	2.683	8.9	21.2
4 1	10 21.80	− 2 9.1	1.779	2.659	12.5	21.3
30138 2000 FN_{68}			2 29.3 157°48	1°5/ 1.4 18		
1 22	11 11.41	+ 1 34.8	1.483	2.270	18.5	20.4
2 1	11 8.09	+ 1 48.1	1.400	2.271	14.8	20.1
2 11	11 1.91	+ 2 22.5	1.336	2.271	10.4	19.9
2 21	10 53.46	+ 3 15.0	1.296	2.272	5.4	19.6
3 2	10 43.80	+ 4 19.4	1.283	2.273	1.5	19.3
3 12	10 34.30	+ 5 27.0	1.296	2.273	6.0	19.6
3 22	10 26.24	+ 6 29.2	1.335	2.274	11.0	19.9
4 1	10 20.63	+ 7 19.0	1.396	2.274	15.4	20.2
506700 2006 UM_{59}			2 29.3 189°76	0°7/28.5 17		
1 22	11 9.69	+ 8 49.7	2.973	3.744	10.5	22.0
2 1	11 5.18	+ 9 9.0	2.876	3.743	8.2	21.8
2 11	10 59.13	+ 9 35.2	2.804	3.741	5.4	21.6
2 21	10 51.93	+10 5.5	2.760	3.739	2.5	21.4
3 2	10 44.15	+10 36.5	2.747	3.737	1.0	21.3
3 12	10 36.46	+11 4.5	2.766	3.734	4.0	21.5
3 22	10 29.47	+11 26.5	2.814	3.731	6.9	21.7
4 1	10 23.73	+11 40.5	2.889	3.727	9.5	21.9
463553 2013 RD_{51}			2 29.3 213°49	1°3/ 1.5 17		
1 22	11 8.60	+ 0 55.3	2.045	2.812	14.8	21.5
2 1	11 5.12	+ 1 20.0	1.950	2.809	11.8	21.3
2 11	10 59.50	+ 2 1.8	1.877	2.806	8.3	21.1
2 21	10 52.24	+ 2 58.0	1.829	2.803	4.3	20.8
3 2	10 44.10	+ 4 3.8	1.810	2.800	1.3	20.6
3 12	10 36.03	+ 5 12.5	1.820	2.796	4.7	20.8
3 22	10 28.94	+ 6 17.6	1.858	2.792	8.7	21.1
4 1	10 23.59	+ 7 13.3	1.921	2.788	12.3	21.3
23037 1999 XM_{18}			2 29.3 124°02	1°8/27.6 18		
1 22	11 14.15	+ 9 57.5	1.956	2.745	14.6	19.2
2 1	11 9.33	+10 42.3	1.884	2.762	11.3	19.0
2 11	11 2.22	+11 37.4	1.835	2.778	7.4	18.8
2 21	10 53.43	+12 37.2	1.813	2.793	3.4	18.6
3 2	10 43.87	+13 34.9	1.821	2.808	2.4	18.5
3 12	10 34.61	+14 24.0	1.858	2.822	6.0	18.8
3 22	10 26.60	+15 0.0	1.922	2.835	9.8	19.0
4 1	10 20.58	+15 20.4	2.011	2.848	13.1	19.3
485841 2012 DU_{79}			2 29.3 357°34	13°0/25.6 17		
1 22	11 36.71	+33 5.2	0.977	1.799	23.5	20.1
2 1	11 29.99	+33 32.6	0.917	1.797	19.8	19.9
2 11	11 17.63	+33 43.7	0.873	1.796	16.0	19.6
2 21	11 0.89	+33 20.6	0.849	1.795	13.4	19.5
3 2	10 42.31	+32 9.5	0.847	1.795	13.5	19.5
3 12	10 25.12	+30 8.8	0.868	1.795	16.5	19.6
3 22	10 11.78	+27 29.7	0.910	1.796	20.5	19.9
4 1	10 3.50	+24 28.2	0.971	1.798	24.5	20.1
290606 2005 UP_{199}			2 29.3 248°60	2°0/27.5 17		
1 22	11 10.54	+10 28.7	1.905	2.704	14.5	21.0
2 1	11 6.81	+11 7.3	1.817	2.700	11.3	20.8
2 11	11 0.73	+11 56.8	1.751	2.696	7.5	20.5
2 21	10 52.83	+12 51.9	1.712	2.691	3.5	20.3
3 2	10 43.97	+13 45.8	1.700	2.687	2.5	20.2
3 12	10 35.24	+14 31.9	1.718	2.683	6.4	20.4
3 22	10 27.63	+15 5.0	1.762	2.678	10.4	20.6
4 1	10 21.99	+15 22.3	1.829	2.673	13.9	20.8
463531 2013 RT_{17}			2 29.3 261°22	2°4/ 1.8 17		
1 22	11 16.46	+ 2 18.8	1.937	2.696	15.7	21.4
2 1	11 11.52	+ 1 45.9	1.830	2.683	12.8	21.2
2 11	11 4.01	+ 1 24.9	1.745	2.669	9.1	21.0
2 21	10 54.43	+ 1 15.2	1.685	2.656	5.1	20.7
3 2	10 43.63	+ 1 14.9	1.654	2.641	2.4	20.5
3 12	10 32.77	+ 1 20.5	1.653	2.627	5.3	20.6
3 22	10 23.01	+ 1 28.0	1.679	2.613	9.5	20.8
4 1	10 15.30	+ 1 33.1	1.731	2.598	13.4	21.0
466187 2012 KK_{28}			2 29.3 220°78	8°9/20.1 16		
1 22	11 16.92	+32 11.3	2.051	2.854	13.5	21.5
2 1	11 11.90	+33 33.2	1.983	2.849	11.3	21.4
2 11	11 4.19	+34 48.9	1.938	2.844	9.6	21.2
2 21	10 54.42	+35 48.7	1.920	2.839	8.9	21.2
3 2	10 43.66	+36 24.4	1.927	2.833	9.8	21.2
3 12	10 33.19	+36 31.1	1.960	2.828	11.8	21.3
3 22	10 24.17	+36 8.9	2.016	2.822	14.1	21.5
4 1	10 17.49	+35 20.9	2.092	2.815	16.3	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
146707 2001 WN_{6}			2 29.3 33°07	10°5/10.0 18		
	h m	° ′			°	m
1 22	11 9.39	−19 51.8	1.833	2.492	19.7	19.5
2 1	11 6.21	−21 2.6	1.745	2.495	17.6	19.3
2 11	11 0.51	−21 46.4	1.673	2.498	15.3	19.1
2 21	10 52.81	−21 58.6	1.621	2.501	12.9	19.0
3 2	10 43.98	−21 36.8	1.591	2.504	11.0	18.9
3 12	10 35.20	−20 43.3	1.584	2.508	10.5	18.9
3 22	10 27.57	−19 24.8	1.602	2.512	11.6	18.9
4 1	10 22.05	−17 51.1	1.643	2.516	13.7	19.1
140573 2001 TH_{215}			2 29.3 212°32	1°3/ 1.7 18		
1 22	11 9.49	+ 1 54.4	2.770	3.520	11.7	20.6
2 1	11 5.20	+ 1 57.6	2.665	3.514	9.4	20.4
2 11	10 59.25	+ 2 11.7	2.583	3.508	6.6	20.2
2 21	10 52.04	+ 2 35.0	2.530	3.501	3.5	20.0
3 2	10 44.17	+ 3 4.9	2.506	3.494	1.3	19.8
3 12	10 36.33	+ 3 37.5	2.513	3.487	3.7	20.0
3 22	10 29.21	+ 4 9.3	2.549	3.480	6.8	20.2
4 1	10 23.40	+ 4 36.7	2.612	3.472	9.7	20.3
470372 2007 TU_{125}			2 29.3 251°38	2°4/ 3.0 17		
1 22	11 6.97	− 3 12.6	2.508	3.245	13.1	21.8
2 1	11 3.54	− 2 53.2	2.393	3.230	10.7	21.6
2 11	10 58.31	− 2 17.1	2.301	3.215	7.9	21.4
2 21	10 51.67	− 1 25.4	2.235	3.199	4.7	21.2
3 2	10 44.24	− 0 21.4	2.198	3.183	2.4	21.0
3 12	10 36.77	+ 0 49.8	2.191	3.166	4.1	21.1
3 22	10 30.02	+ 2 2.6	2.214	3.150	7.4	21.3
4 1	10 24.65	+ 3 11.0	2.263	3.133	10.6	21.4
128943 2004 TT_{127}			2 29.3 178°57	2°1/26.9 18		
1 22	11 10.01	+11 18.3	2.262	3.054	12.8	20.3
2 1	11 5.98	+12 9.4	2.175	3.055	9.9	20.2
2 11	10 59.95	+13 9.6	2.113	3.056	6.5	19.9
2 21	10 52.41	+14 13.7	2.078	3.057	3.2	19.7
3 2	10 44.10	+15 15.5	2.073	3.057	2.7	19.7
3 12	10 35.92	+16 8.8	2.097	3.056	5.9	19.9
3 22	10 28.70	+16 49.4	2.149	3.056	9.3	20.1
4 1	10 23.12	+17 14.7	2.226	3.055	12.3	20.3
225538 2000 SV_{65}			2 29.3 254°00	2°0/ 2.4 17		
1 22	11 7.84	− 2 0.4	2.139	2.891	14.7	20.9
2 1	11 4.56	− 1 31.1	2.028	2.876	11.9	20.7
2 11	10 59.19	− 0 42.1	1.939	2.860	8.6	20.4
2 21	10 52.15	+ 0 24.7	1.875	2.844	4.9	20.1
3 2	10 44.14	+ 1 45.0	1.840	2.828	2.0	19.9
3 12	10 36.07	+ 3 12.0	1.835	2.811	4.6	20.1
3 22	10 28.86	+ 4 38.2	1.858	2.794	8.6	20.3
4 1	10 23.29	+ 5 56.7	1.907	2.776	12.3	20.5
198700 Nataliegrünewald			2 29.3 80°91	2°5/27.2 18		
1 22	11 16.14	+14 19.0	2.057	2.850	13.9	20.5
2 1	11 10.64	+14 39.0	1.993	2.872	10.7	20.4
2 11	11 2.94	+15 3.9	1.953	2.895	7.1	20.2
2 21	10 53.71	+15 28.6	1.940	2.917	3.6	20.0
3 2	10 43.85	+15 47.9	1.956	2.939	3.0	20.0
3 12	10 34.41	+15 57.6	2.002	2.961	6.1	20.2
3 22	10 26.29	+15 55.5	2.076	2.983	9.5	20.5
4 1	10 20.13	+15 40.9	2.174	3.004	12.5	20.7
109288 2001 QY_{122}			2 29.3 85°17	1°5/27.9 18		
1 22	11 12.51	+ 8 48.3	1.811	2.605	15.4	19.4
2 1	11 8.16	+ 9 32.2	1.747	2.627	11.9	19.2
2 11	11 1.47	+10 28.0	1.705	2.648	7.8	19.0
2 21	10 53.09	+11 29.6	1.689	2.670	3.5	18.8
3 2	10 43.98	+12 29.9	1.703	2.691	2.1	18.7
3 12	10 35.24	+13 22.0	1.745	2.712	6.0	19.0
3 22	10 27.83	+14 1.0	1.814	2.732	10.0	19.3
4 1	10 22.47	+14 24.3	1.906	2.752	13.3	19.6
109749 2001 RO_{68}			2 29.3 123°65	3°2/ 4.1 18		
1 22	11 7.52	− 5 26.0	2.560	3.283	13.2	19.5
2 1	11 3.76	− 5 23.9	2.468	3.292	10.9	19.3
2 11	10 58.31	− 5 5.7	2.398	3.300	8.2	19.2
2 21	10 51.61	− 4 32.4	2.354	3.308	5.3	19.0
3 2	10 44.28	− 3 46.4	2.338	3.316	3.3	18.9
3 12	10 37.07	− 2 52.0	2.352	3.323	4.3	18.9
3 22	10 30.66	− 1 54.3	2.394	3.331	6.9	19.1
4 1	10 25.63	− 0 58.3	2.464	3.338	9.7	19.3
28745 2000 GV_{144}			2 29.3 77°79	0°7/29.8 18		
1 22	11 13.35	+ 3 1.5	1.394	2.187	19.2	19.3
2 1	11 9.51	+ 3 24.9	1.330	2.206	15.1	19.1
2 11	11 2.74	+ 4 8.8	1.286	2.224	10.3	18.8
2 21	10 53.78	+ 5 8.3	1.265	2.242	5.0	18.6
3 2	10 43.83	+ 6 15.7	1.270	2.261	1.0	18.3
3 12	10 34.31	+ 7 21.6	1.302	2.279	6.2	18.7
3 22	10 26.48	+ 8 18.0	1.360	2.296	11.1	19.1
4 1	10 21.22	+ 8 59.4	1.441	2.314	15.3	19.4

347431 2012 TZ_{21} 2 29.3 147.°29 3.°6/25.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 11.76	+17 53.9	2.323	3.124	12.2	21.0
2 1	11 7.27	+18 30.2	2.242	3.125	9.5	20.9
2 11	11 0.76	+19 9.5	2.185	3.126	6.5	20.7
2 21	10 52.76	+19 46.4	2.155	3.127	4.0	20.5
3 2	10 44.05	+20 15.4	2.155	3.128	4.1	20.5
3 12	10 35.53	+20 32.1	2.184	3.129	6.7	20.7
3 22	10 28.03	+20 34.2	2.240	3.130	9.7	20.9
4 1	10 22.24	+20 21.1	2.320	3.131	12.4	21.0

491244 2011 UG_{211} 2 29.3 239.°44 1.°1/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.80	+ 8 30.5	1.686	2.479	16.4	22.5
2 1	11 10.56	+ 8 50.0	1.591	2.470	12.9	22.2
2 11	11 3.53	+ 9 22.4	1.517	2.459	8.7	22.0
2 21	10 54.25	+10 3.2	1.469	2.449	4.0	21.6
3 2	10 43.71	+10 46.2	1.448	2.438	1.7	21.5
3 12	10 33.19	+11 24.0	1.456	2.426	6.5	21.7
3 22	10 23.98	+11 51.0	1.490	2.414	11.2	22.0
4 1	10 17.08	+12 3.5	1.547	2.402	15.4	22.2

432041 2008 WE_{99} 2 29.3 179.°39 16.°1/13.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 26.02	+41 12.7	1.379	2.182	18.9	21.2
2 1	11 21.08	+44 3.1	1.340	2.184	17.1	21.0
2 11	11 11.50	+46 35.9	1.322	2.186	16.1	21.0
2 21	10 58.14	+48 32.5	1.326	2.187	16.4	21.0
3 2	10 42.90	+49 38.3	1.350	2.186	17.8	21.1
3 12	10 28.32	+49 48.5	1.394	2.185	19.8	21.2
3 22	10 16.61	+49 8.0	1.453	2.183	22.0	21.4
4 1	10 9.09	+47 46.7	1.526	2.180	23.9	21.5

369108 2008 JT_{24} 2 29.3 284.°53 9.°0/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.35	−15 49.9	1.854	2.538	18.8	20.9
2 1	11 6.19	−16 47.0	1.754	2.530	16.6	20.7
2 11	11 0.55	−17 19.4	1.671	2.522	13.9	20.5
2 21	10 52.88	−17 23.3	1.608	2.514	11.3	20.3
3 2	10 44.00	−16 56.7	1.570	2.506	9.3	20.2
3 12	10 35.06	−16 2.3	1.556	2.499	9.1	20.2
3 22	10 27.17	−14 46.8	1.568	2.491	10.9	20.2
4 1	10 21.32	−13 19.4	1.603	2.483	13.6	20.4

465289 2007 TB_{295} 2 29.3 200.°63 2.°7/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.32	− 4 32.8	2.661	3.387	12.7	22.5
2 1	11 3.62	− 4 17.4	2.556	3.384	10.4	22.3
2 11	10 58.25	− 3 46.0	2.474	3.380	7.7	22.2
2 21	10 51.62	− 2 59.7	2.417	3.376	4.8	22.0
3 2	10 44.31	− 2 1.4	2.390	3.372	2.8	21.8
3 12	10 37.04	− 0 55.7	2.393	3.367	4.0	21.9
3 22	10 30.49	+ 0 12.2	2.426	3.361	6.9	22.1
4 1	10 25.26	+ 1 17.0	2.486	3.356	9.8	22.2

522558 2016 EQ_{242} 2 29.3 160.°47 2.°1/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.18	− 2 47.4	2.345	3.084	13.9	22.2
2 1	11 5.23	− 2 17.3	2.251	3.090	11.2	22.0
2 11	10 59.40	− 1 29.5	2.180	3.096	8.1	21.8
2 21	10 52.17	− 0 26.3	2.135	3.101	4.7	21.6
3 2	10 44.20	+ 0 48.2	2.119	3.106	2.1	21.4
3 12	10 36.35	+ 2 7.8	2.134	3.110	4.2	21.6
3 22	10 29.39	+ 3 26.2	2.178	3.113	7.6	21.8
4 1	10 23.96	+ 4 37.5	2.249	3.116	10.8	22.0

171425 2007 PC_{17} 2 29.3 184.°14 1.°7/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.93	+ 9 41.4	2.119	2.903	13.8	21.1
2 1	11 9.19	+10 25.7	2.029	2.904	10.7	20.9
2 11	11 2.21	+11 20.6	1.962	2.904	7.1	20.7
2 21	10 53.52	+12 21.3	1.923	2.903	3.3	20.5
3 2	10 43.94	+13 21.2	1.914	2.901	2.2	20.4
3 12	10 34.47	+14 13.9	1.935	2.899	5.9	20.6
3 22	10 26.08	+14 54.6	1.984	2.895	9.6	20.8
4 1	10 19.53	+15 20.3	2.058	2.891	13.0	21.0

70084 1999 JJ_{65} 2 29.3 234.°67 7.°7/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.91	−17 37.1	1.962	2.630	18.3	19.7
2 1	11 5.74	−17 39.9	1.851	2.619	16.1	19.5
2 11	11 0.19	−17 12.7	1.757	2.607	13.4	19.3
2 21	10 52.71	−16 12.7	1.684	2.595	10.6	19.1
3 2	10 44.09	−14 39.8	1.636	2.582	8.3	18.9
3 12	10 35.40	−12 39.4	1.616	2.569	7.9	18.8
3 22	10 27.71	−10 20.9	1.623	2.555	9.9	18.9
4 1	10 21.94	− 7 56.3	1.656	2.540	13.0	19.1

329842 2004 TY_{50} 2 29.3 187.°79 3.°1/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.16	− 4 53.9	2.472	3.197	13.6	21.1
2 1	11 5.18	− 4 48.1	2.371	3.197	11.2	20.9
2 11	10 59.37	− 4 25.6	2.291	3.196	8.4	20.7
2 21	10 52.17	− 3 47.2	2.237	3.194	5.3	20.5
3 2	10 44.22	− 2 55.6	2.212	3.192	3.2	20.4
3 12	10 36.33	− 1 55.4	2.217	3.190	4.4	20.4
3 22	10 29.25	− 0 52.1	2.251	3.187	7.3	20.6
4 1	10 23.63	+ 0 8.9	2.312	3.183	10.3	20.8

9007 James Bond 2 29.3 121.°20 2.°5/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 11.28	− 2 11.0	1.917	2.669	16.1	18.3
2 1	11 7.23	− 1 55.5	1.835	2.682	13.0	18.1
2 11	11 0.91	− 1 20.4	1.775	2.695	9.4	17.9
2 21	10 52.91	− 0 28.1	1.739	2.707	5.4	17.7
3 2	10 44.08	+ 0 36.9	1.732	2.719	2.5	17.5
3 12	10 35.45	+ 1 47.7	1.754	2.730	4.9	17.7
3 22	10 27.99	+ 2 57.1	1.804	2.741	8.7	18.0
4 1	10 22.44	+ 3 58.8	1.879	2.751	12.3	18.2

62040 2000 RA_{64} 2 29.3 56.°73 1.°1/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 15.03	+ 4 7.2	1.341	2.137	19.7	18.8
2 1	11 10.87	+ 4 3.1	1.281	2.158	15.5	18.6
2 11	11 3.66	+ 4 16.9	1.240	2.179	10.6	18.3
2 21	10 54.23	+ 4 44.8	1.223	2.201	5.2	18.1
3 2	10 43.82	+ 5 20.9	1.232	2.222	1.2	17.9
3 12	10 33.95	+ 5 57.4	1.267	2.244	6.1	18.2
3 22	10 25.90	+ 6 27.8	1.328	2.267	11.1	18.6
4 1	10 20.52	+ 6 47.4	1.411	2.289	15.3	18.9

119575 2001 VK_{91} 2 29.3 29.°88 5.°3/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.37	+15 46.8	1.578	2.405	15.7	19.2
2 1	11 4.80	+17 26.1	1.512	2.411	12.1	18.9
2 11	10 59.60	+19 15.3	1.468	2.416	8.3	18.7
2 21	10 52.40	+21 4.2	1.451	2.423	5.5	18.6
3 2	10 44.19	+22 41.0	1.460	2.429	6.3	18.6
3 12	10 36.24	+23 56.1	1.496	2.436	9.6	18.8
3 22	10 29.68	+24 44.5	1.556	2.444	13.3	19.1
4 1	10 25.37	+25 5.1	1.637	2.451	16.6	19.3

336040 2007 VS_{298} 2 29.3 112.°86 2.°7/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.26	+13 22.6	2.694	3.486	10.9	21.3
2 1	11 4.22	+14 37.3	2.625	3.505	8.4	21.2
2 11	10 58.55	+15 58.2	2.581	3.524	5.5	21.0
2 21	10 51.72	+17 19.8	2.567	3.542	3.1	20.9
3 2	10 44.34	+18 36.2	2.583	3.560	3.2	20.9
3 12	10 37.15	+19 42.1	2.631	3.577	5.6	21.1
3 22	10 30.78	+20 33.9	2.706	3.594	8.3	21.3
4 1	10 25.79	+21 10.0	2.807	3.611	10.7	21.5

241728 2000 VL_{35} 2 29.3 144.°29 0.°3/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.92	+ 5 34.7	2.041	2.815	14.6	21.7
2 1	11 9.12	+ 6 10.0	1.960	2.827	11.4	21.5
2 11	11 2.11	+ 6 58.8	1.902	2.839	7.7	21.3
2 21	10 53.45	+ 7 56.7	1.871	2.850	3.5	21.1
3 2	10 43.98	+ 8 57.7	1.870	2.860	0.9	20.9
3 12	10 34.73	+ 9 55.4	1.899	2.870	5.1	21.2
3 22	10 26.63	+10 44.2	1.955	2.878	9.1	21.5
4 1	10 20.42	+11 20.5	2.038	2.886	12.5	21.7

409002 2002 WG_{6} 2 29.3 102.°41 5.°7/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.13	−10 54.9	2.063	2.759	16.7	21.7
2 1	11 8.46	−11 15.0	1.986	2.783	14.1	21.5
2 11	11 1.62	−11 12.9	1.930	2.807	11.1	21.4
2 21	10 53.20	−10 47.9	1.897	2.830	8.1	21.2
3 2	10 44.04	−10 2.1	1.891	2.852	6.0	21.1
3 12	10 35.14	− 9 0.5	1.914	2.874	6.2	21.2
3 22	10 27.40	− 7 50.0	1.964	2.895	8.5	21.4
4 1	10 21.52	− 6 38.0	2.040	2.916	11.3	21.6

321713 2010 GM_{133} 2 29.3 97.°63 2.°2/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.51	+12 3.1	2.408	3.202	12.0	20.8
2 1	11 4.60	+12 53.7	2.334	3.215	9.2	20.6
2 11	10 58.91	+13 51.5	2.285	3.228	6.1	20.4
2 21	10 51.91	+14 51.5	2.263	3.242	3.0	20.2
3 2	10 44.32	+15 48.2	2.272	3.255	2.7	20.2
3 12	10 36.92	+16 36.3	2.310	3.267	5.5	20.4
3 22	10 30.45	+17 12.1	2.376	3.280	8.6	20.6
4 1	10 25.49	+17 33.7	2.466	3.292	11.3	20.8

7157 Lofgren 2 29.3 183.°14 2.°3/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.29	− 1 17.1	1.948	2.696	16.0	18.9
2 1	11 9.69	− 1 5.5	1.852	2.698	13.0	18.7
2 11	11 2.69	− 0 35.2	1.778	2.698	9.3	18.4
2 21	10 53.81	+ 0 11.9	1.729	2.698	5.3	18.2
3 2	10 43.92	+ 1 11.8	1.709	2.696	2.3	18.0
3 12	10 34.10	+ 2 17.8	1.718	2.694	5.0	18.2
3 22	10 25.40	+ 3 23.0	1.756	2.691	9.1	18.4
4 1	10 18.68	+ 4 20.9	1.820	2.686	12.9	18.6

49400 1998 XS_{44} 2 29.3 4.°88 9.°9/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 16.52	+29 30.1	1.476	2.301	16.8	17.8
2 1	11 12.38	+30 42.7	1.416	2.301	13.8	17.7
2 11	11 4.90	+31 49.2	1.377	2.301	11.2	17.5
2 21	10 54.88	+32 37.7	1.361	2.302	9.9	17.4
3 2	10 43.72	+32 57.9	1.370	2.303	10.8	17.5
3 12	10 33.08	+32 44.4	1.403	2.305	13.3	17.6
3 22	10 24.40	+31 58.4	1.457	2.308	16.3	17.8
4 1	10 18.66	+30 44.7	1.531	2.311	19.1	18.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
310912 2003 SQ_{80}	2 29.3 141°42	0°1/29.4 18				
	h m	° ′			°	m
1 22	11 13.08	+ 4 26.6	2.022	2.793	14.8	22.0
2 1	11 8.51	+ 4 58.6	1.940	2.805	11.6	21.8
2 11	11 1.72	+ 5 45.0	1.882	2.817	7.8	21.6
2 21	10 53.29	+ 6 41.7	1.849	2.827	3.7	21.3
3 2	10 44.05	+ 7 43.0	1.847	2.837	0.7	21.1
3 12	10 35.02	+ 8 42.3	1.874	2.846	5.0	21.5
3 22	10 27.13	+ 9 33.8	1.929	2.855	9.0	21.7
4 1	10 21.12	+10 13.5	2.009	2.863	12.4	21.9
457616 2009 BH_{86}	2 29.3 120°94	0°5/29.7 18				
1 22	11 15.00	+ 3 54.7	1.832	2.605	16.0	22.0
2 1	11 10.16	+ 4 16.2	1.757	2.622	12.6	21.8
2 11	11 2.89	+ 4 53.1	1.705	2.639	8.6	21.6
2 21	10 53.84	+ 5 41.3	1.678	2.655	4.1	21.3
3 2	10 43.95	+ 6 35.2	1.680	2.670	0.8	21.1
3 12	10 34.36	+ 7 27.9	1.711	2.685	5.2	21.4
3 22	10 26.10	+ 8 13.5	1.770	2.699	9.4	21.7
4 1	10 19.93	+ 8 47.8	1.853	2.712	13.1	22.0
431276 2006 UW_{115}	2 29.3 319°26	3°5/25.7 17				
1 22	11 10.36	+17 18.1	2.313	3.115	12.2	21.2
2 1	11 6.25	+17 56.7	2.229	3.114	9.4	21.0
2 11	11 0.14	+18 39.1	2.169	3.112	6.5	20.8
2 21	10 52.55	+19 19.8	2.137	3.110	3.9	20.7
3 2	10 44.21	+19 53.2	2.134	3.108	4.1	20.7
3 12	10 36.04	+20 14.7	2.159	3.106	6.7	20.8
3 22	10 28.86	+20 21.5	2.212	3.105	9.7	21.0
4 1	10 23.34	+20 13.0	2.288	3.103	12.5	21.2
372501 2009 SN_{272}	2 29.3 157°89	0°7/ 1.0 16				
1 22	11 10.98	+ 3 16.8	2.240	3.005	13.7	22.7
2 1	11 6.72	+ 3 35.9	2.151	3.011	10.8	22.5
2 11	11 0.46	+ 4 8.3	2.084	3.015	7.5	22.3
2 21	10 52.70	+ 4 51.1	2.044	3.020	3.7	22.1
3 2	10 44.18	+ 5 39.8	2.034	3.024	0.8	21.9
3 12	10 35.80	+ 6 29.2	2.053	3.028	4.4	22.2
3 22	10 28.38	+ 7 14.1	2.101	3.031	8.1	22.4
4 1	10 22.62	+ 7 50.5	2.175	3.034	11.4	22.6
363117 2001 LN_{5}	2 29.3 152°33	4°9/23.6 18				
1 22	11 12.29	+19 25.7	2.276	3.078	12.3	20.9
2 1	11 7.79	+20 54.0	2.205	3.088	9.6	20.7
2 11	11 1.20	+22 26.1	2.159	3.097	6.8	20.5
2 21	10 53.04	+23 54.2	2.142	3.105	5.0	20.4
3 2	10 44.12	+25 10.5	2.155	3.112	5.7	20.5
3 12	10 35.39	+26 8.9	2.197	3.119	8.1	20.6
3 22	10 27.72	+26 46.3	2.265	3.125	10.8	20.8
4 1	10 21.81	+27 2.4	2.356	3.131	13.3	21.0
322367 2011 LC_{3}	2 29.3 289°82	0°4/28.9 17				
1 22	11 7.73	+ 5 53.6	2.056	2.842	14.1	21.1
2 1	11 4.52	+ 6 25.3	1.958	2.833	11.1	20.9
2 11	10 59.18	+ 7 10.7	1.883	2.823	7.5	20.7
2 21	10 52.19	+ 8 6.1	1.834	2.814	3.4	20.4
3 2	10 44.29	+ 9 5.9	1.814	2.804	1.0	20.2
3 12	10 36.43	+10 3.7	1.822	2.795	5.2	20.5
3 22	10 29.52	+10 53.6	1.858	2.785	9.2	20.7
4 1	10 24.33	+11 31.2	1.918	2.776	12.8	20.9
434042 2001 TL_{25}	2 29.3 90°37	3°6/ 4.6 18				
1 22	11 8.49	− 6 43.8	2.510	3.225	13.6	21.2
2 1	11 4.49	− 6 45.5	2.429	3.245	11.3	21.1
2 11	10 58.80	− 6 30.2	2.369	3.265	8.5	20.9
2 21	10 51.88	− 5 58.9	2.335	3.284	5.7	20.8
3 2	10 44.38	− 5 14.2	2.329	3.304	3.8	20.7
3 12	10 37.07	− 4 20.3	2.353	3.323	4.5	20.8
3 22	10 30.62	− 3 22.4	2.406	3.342	6.9	20.9
4 1	10 25.61	− 2 25.7	2.486	3.360	9.6	21.1
245499 2005 QF_{156}	2 29.3 233°47	4°8/ 6.6 17				
1 22	11 6.75	−12 28.5	3.005	3.677	12.4	21.5
2 1	11 3.09	−12 37.4	2.888	3.665	10.7	21.3
2 11	10 57.89	−12 29.6	2.791	3.652	8.6	21.1
2 21	10 51.50	−12 4.3	2.718	3.640	6.5	21.0
3 2	10 44.45	−11 22.6	2.674	3.627	5.0	20.9
3 12	10 37.36	−10 27.1	2.659	3.613	5.1	20.8
3 22	10 30.89	− 9 22.3	2.672	3.599	6.8	20.9
4 1	10 25.58	− 8 13.3	2.714	3.585	9.0	21.0
196539 2003 OA_{30}	2 29.3 121°94	0°0/29.3 18 R				
1 22	11 12.47	+ 6 5.5	2.658	3.420	11.9	21.6
2 1	11 7.40	+ 6 23.2	2.579	3.439	9.2	21.5
2 11	11 0.65	+ 6 49.8	2.525	3.459	6.2	21.3
2 21	10 52.71	+ 7 22.5	2.499	3.477	2.9	21.1
3 2	10 44.22	+ 7 57.6	2.504	3.495	0.6	20.9
3 12	10 35.95	+ 8 30.9	2.541	3.512	4.0	21.2
3 22	10 28.57	+ 8 59.0	2.606	3.529	7.1	21.4
4 1	10 22.64	+ 9 19.4	2.699	3.545	9.9	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
19431 1998 FS_{70}	2 29.3 243°77	3°7/25.0 18				
	h m	° ′			°	m
1 22	11 11.60	+19 39.5	2.755	3.550	10.6	18.8
2 1	11 6.97	+20 18.2	2.658	3.537	8.3	18.6
2 11	11 0.53	+20 58.8	2.587	3.524	5.8	18.5
2 21	10 52.73	+21 36.4	2.544	3.511	3.9	18.3
3 2	10 44.21	+22 6.1	2.530	3.497	4.2	18.3
3 12	10 35.76	+22 24.0	2.547	3.483	6.4	18.4
3 22	10 28.13	+22 27.7	2.591	3.469	9.0	18.6
4 1	10 21.94	+22 16.8	2.660	3.454	11.5	18.7
272923 2006 BT_{198}	2 29.3 329°23	0°1/29.2 17				
1 22	11 10.93	+ 7 57.9	1.595	2.398	16.7	20.1
2 1	11 7.74	+ 7 47.4	1.498	2.381	13.3	19.8
2 11	11 1.77	+ 7 48.2	1.422	2.365	9.1	19.5
2 21	10 53.54	+ 7 57.2	1.370	2.350	4.3	19.2
3 2	10 44.02	+ 8 10.0	1.344	2.335	0.9	18.9
3 12	10 34.49	+ 8 20.9	1.346	2.321	6.1	19.3
3 22	10 26.24	+ 8 25.2	1.373	2.308	11.1	19.5
4 1	10 20.31	+ 8 19.3	1.422	2.296	15.4	19.7
462327 2008 JO_{11}	2 29.3 284°96	3°1/26.6 16				
1 22	11 10.10	+12 41.2	1.781	2.591	15.0	21.7
2 1	11 6.80	+13 32.0	1.688	2.578	11.7	21.4
2 11	11 0.97	+14 33.8	1.618	2.564	7.8	21.1
2 21	10 53.11	+15 40.3	1.573	2.551	4.1	20.9
3 2	10 44.12	+16 43.2	1.556	2.538	3.8	20.8
3 12	10 35.16	+17 34.6	1.567	2.525	7.5	21.0
3 22	10 27.38	+18 9.0	1.603	2.513	11.6	21.2
4 1	10 21.69	+18 23.6	1.662	2.500	15.4	21.4
202892 1993 SP	2 29.3 59°21	0°7/29.9 18				
1 22	11 12.10	+ 1 54.6	1.297	2.094	20.2	20.2
2 1	11 8.62	+ 2 32.9	1.244	2.122	15.8	20.0
2 11	11 2.17	+ 3 34.3	1.210	2.149	10.8	19.8
2 21	10 53.56	+ 4 52.8	1.199	2.177	5.2	19.5
3 2	10 44.07	+ 6 18.9	1.214	2.204	1.0	19.3
3 12	10 35.15	+ 7 41.6	1.255	2.232	6.2	19.7
3 22	10 28.01	+ 8 52.0	1.322	2.260	11.2	20.1
4 1	10 23.47	+ 9 44.3	1.411	2.287	15.4	20.4
131875 2002 AR_{161}	2 29.3 351°32	0°8/28.7 18				
1 22	11 7.86	+ 6 1.6	1.298	2.115	19.0	19.7
2 1	11 5.77	+ 6 35.6	1.220	2.111	15.0	19.4
2 11	11 0.62	+ 7 30.0	1.161	2.108	10.1	19.1
2 21	10 53.04	+ 8 39.2	1.125	2.106	4.6	18.8
3 2	10 44.14	+ 9 54.2	1.114	2.104	1.6	18.6
3 12	10 35.41	+11 4.2	1.128	2.103	7.2	18.9
3 22	10 28.25	+12 0.2	1.167	2.103	12.5	19.2
4 1	10 23.72	+12 36.3	1.226	2.103	17.2	19.5
408188 2013 EO_{16}	2 29.3 283°83	2°2/27.6 14 C				
1 22	11 10.58	+ 9 23.2	1.526	2.336	17.0	21.1
2 1	11 7.66	+10 8.1	1.431	2.320	13.4	20.8
2 11	11 1.84	+11 9.2	1.357	2.304	9.0	20.5
2 21	10 53.64	+12 20.5	1.307	2.288	4.2	20.2
3 2	10 44.01	+13 33.2	1.284	2.271	2.9	20.0
3 12	10 34.34	+14 37.5	1.288	2.255	7.7	20.3
3 22	10 25.98	+15 25.4	1.316	2.238	12.6	20.5
4 1	10 20.05	+15 52.6	1.367	2.222	17.0	20.7
281316 2007 TH_{92}	2 29.3 159°84	0°4/28.9 18				
1 22	11 7.13	+ 4 56.4	2.312	3.089	13.0	21.2
2 1	11 3.72	+ 5 45.8	2.222	3.092	10.1	21.0
2 11	10 58.46	+ 6 48.8	2.156	3.094	6.8	20.8
2 21	10 51.80	+ 8 1.2	2.117	3.096	3.1	20.6
3 2	10 44.42	+ 9 17.4	2.107	3.098	0.9	20.4
3 12	10 37.15	+10 30.9	2.128	3.099	4.7	20.7
3 22	10 30.75	+11 36.1	2.177	3.101	8.3	20.9
4 1	10 25.86	+12 28.7	2.252	3.102	11.4	21.1
204839 Suzhouyuanlin	2 29.3 255°70	2°9/26.8 18				
1 22	11 10.39	+10 23.5	1.581	2.391	16.5	20.4
2 1	11 7.30	+11 28.3	1.494	2.385	12.8	20.1
2 11	11 1.45	+12 48.7	1.430	2.378	8.6	19.8
2 21	10 53.38	+14 17.3	1.391	2.370	4.2	19.6
3 2	10 44.08	+15 44.2	1.379	2.363	3.7	19.5
3 12	10 34.87	+16 59.2	1.394	2.356	7.9	19.7
3 22	10 26.98	+17 55.0	1.435	2.348	12.5	20.0
4 1	10 21.43	+18 27.7	1.497	2.340	16.5	20.2
245231 2004 XL_{113}	2 29.3 245°56	3°4/26.5 18				
1 22	11 13.14	+13 5.9	1.710	2.517	15.6	20.8
2 1	11 9.30	+13 58.7	1.619	2.506	12.2	20.6
2 11	11 2.73	+15 2.6	1.549	2.495	8.2	20.3
2 21	10 53.97	+16 10.8	1.506	2.484	4.4	20.0
3 2	10 43.96	+17 14.4	1.490	2.472	4.1	20.0
3 12	10 34.01	+18 5.1	1.502	2.459	7.9	20.2
3 22	10 25.33	+18 37.2	1.540	2.447	12.2	20.4
4 1	10 18.92	+18 48.5	1.600	2.434	16.0	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
147279 2002 YH_{32}			2 29.3	26°99	8°5/ 7.9	18
	h m	° ′			°	m
1 22	11 5.28	−13 34.0	1.360	2.097	22.3	18.6
2 1	11 3.49	−14 12.4	1.293	2.110	19.2	18.5
2 11	10 58.91	−14 17.4	1.241	2.124	15.6	18.3
2 21	10 52.17	−13 46.4	1.208	2.139	11.9	18.1
3 2	10 44.35	−12 40.9	1.198	2.156	9.0	18.0
3 12	10 36.83	−11 8.6	1.211	2.173	8.8	18.0
3 22	10 30.81	− 9 21.3	1.248	2.192	11.2	18.2
4 1	10 27.22	− 7 31.9	1.309	2.211	14.5	18.4
361691 2007 VZ_{45}			2 29.3	233°07	3°4/ 3.0	17
1 22	11 12.29	− 2 40.6	1.844	2.595	16.7	21.6
2 1	11 8.40	− 2 50.1	1.742	2.586	13.7	21.4
2 11	11 2.01	− 2 40.5	1.661	2.577	10.2	21.1
2 21	10 53.61	− 2 12.1	1.604	2.568	6.2	20.9
3 2	10 44.04	− 1 27.9	1.574	2.558	3.4	20.7
3 12	10 34.44	− 0 33.3	1.572	2.547	5.5	20.8
3 22	10 25.93	+ 0 24.7	1.598	2.536	9.5	21.0
4 1	10 19.45	+ 1 19.0	1.648	2.525	13.5	21.2
122247 2000 OM_{27}			2 29.3	229°32	1°2/ 1.5	18 R
1 22	11 11.20	+ 1 49.6	2.376	3.131	13.3	20.8
2 1	11 6.95	+ 2 3.3	2.266	3.119	10.7	20.6
2 11	11 0.70	+ 2 30.7	2.179	3.106	7.5	20.4
2 21	10 52.90	+ 3 9.7	2.119	3.092	3.9	20.1
3 2	10 44.20	+ 3 56.7	2.088	3.078	1.2	19.9
3 12	10 35.48	+ 4 46.8	2.088	3.063	4.3	20.1
3 22	10 27.57	+ 5 34.8	2.116	3.047	8.0	20.3
4 1	10 21.21	+ 6 16.2	2.171	3.031	11.4	20.5
448112 2008 OA_{25}			2 29.3	93°57	1°1/ 1.1	18
1 22	11 18.63	+ 3 23.5	1.581	2.356	18.1	21.8
2 1	11 13.21	+ 3 28.0	1.518	2.382	14.3	21.6
2 11	11 5.03	+ 3 49.1	1.476	2.408	9.8	21.4
2 21	10 54.86	+ 4 23.2	1.458	2.434	4.8	21.2
3 2	10 43.84	+ 5 4.5	1.469	2.459	1.2	21.0
3 12	10 33.33	+ 5 46.2	1.508	2.483	5.6	21.3
3 22	10 24.48	+ 6 22.0	1.574	2.507	10.1	21.6
4 1	10 18.10	+ 6 47.8	1.664	2.529	14.0	21.9
500375 2012 TX_{55}			2 29.3	104°37	5°3/ 6.9	17
1 22	11 6.52	−12 56.0	2.496	3.179	14.5	21.4
2 1	11 3.12	−12 57.4	2.404	3.188	12.4	21.3
2 11	10 57.99	−12 38.0	2.331	3.198	9.9	21.1
2 21	10 51.57	−11 57.6	2.282	3.208	7.4	21.0
3 2	10 44.50	−10 58.1	2.261	3.217	5.5	20.9
3 12	10 37.55	− 9 43.9	2.268	3.226	5.6	20.9
3 22	10 31.41	− 8 20.9	2.303	3.235	7.4	21.0
4 1	10 26.70	− 6 55.9	2.365	3.244	9.9	21.2
504241 2006 UZ_{256}			2 29.3	199°71	2°9/ 4.0	17
1 22	11 7.28	− 5 17.7	2.998	3.713	11.6	22.8
2 1	11 3.42	− 5 12.2	2.891	3.709	9.6	22.7
2 11	10 58.07	− 4 52.6	2.805	3.705	7.2	22.5
2 21	10 51.58	− 4 19.7	2.747	3.701	4.7	22.3
3 2	10 44.50	− 3 35.7	2.718	3.696	2.9	22.2
3 12	10 37.44	− 2 44.1	2.719	3.690	3.8	22.3
3 22	10 31.02	− 1 49.1	2.750	3.685	6.2	22.4
4 1	10 25.76	− 0 55.1	2.809	3.678	8.8	22.6
87753 2000 SS_{75}			2 29.3	143°40	0°8/28.5	18
1 22	11 9.38	+ 6 26.9	2.147	2.930	13.7	20.1
2 1	11 5.59	+ 7 15.1	2.063	2.936	10.6	19.9
2 11	10 59.77	+ 8 16.3	2.002	2.943	7.1	19.7
2 21	10 52.43	+ 9 25.9	1.969	2.948	3.2	19.4
3 2	10 44.33	+10 37.7	1.965	2.954	1.3	19.3
3 12	10 36.38	+11 44.9	1.990	2.959	5.2	19.6
3 22	10 29.42	+12 42.0	2.044	2.964	8.9	19.8
4 1	10 24.15	+13 25.3	2.122	2.969	12.1	20.0
229121 2004 RQ_{136}			2 29.3	169°57	3°2/ 4.0	16
1 22	11 10.10	− 5 32.7	2.645	3.360	13.0	21.1
2 1	11 5.77	− 5 29.2	2.546	3.364	10.7	20.9
2 11	10 59.71	− 5 9.8	2.469	3.368	8.1	20.8
2 21	10 52.36	− 4 35.4	2.418	3.372	5.3	20.6
3 2	10 44.34	− 3 48.3	2.397	3.374	3.3	20.5
3 12	10 36.40	− 2 52.8	2.406	3.376	4.2	20.5
3 22	10 29.23	− 1 53.7	2.444	3.378	6.9	20.7
4 1	10 23.46	− 0 56.2	2.510	3.379	9.7	20.9
445881 2012 UN_{116}			2 29.3	127°14	1°1/28.5	18
1 22	11 17.30	+ 7 58.5	1.544	2.337	17.6	22.0
2 1	11 12.47	+ 8 27.8	1.472	2.350	13.8	21.8
2 11	11 4.74	+ 9 11.5	1.421	2.363	9.2	21.5
2 21	10 54.82	+10 3.8	1.395	2.375	4.2	21.3
3 2	10 43.85	+10 57.0	1.397	2.387	1.8	21.1
3 12	10 33.24	+11 43.2	1.427	2.397	6.6	21.5
3 22	10 24.25	+12 16.6	1.483	2.408	11.3	21.8
4 1	10 17.79	+12 33.9	1.563	2.417	15.3	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
133125 2003 PF_2			2 29.3	222°77	1°0/28.4	18
	h m	° ′			°	m
1 22	11 11.48	+ 6 30.0	1.860	2.648	15.3	20.5
2 1	11 7.72	+ 7 17.2	1.764	2.640	12.0	20.3
2 11	11 1.52	+ 8 20.2	1.690	2.631	8.1	20.0
2 21	10 53.37	+ 9 34.2	1.643	2.623	3.7	19.7
3 2	10 44.13	+10 52.1	1.624	2.613	1.6	19.5
3 12	10 34.91	+12 5.6	1.634	2.603	6.0	19.8
3 22	10 26.79	+13 7.5	1.671	2.593	10.4	20.0
4 1	10 20.68	+13 53.1	1.732	2.581	14.3	20.3
382316 2013 RK_{97}			2 29.3	138°72	0°6/29.9	18
1 22	11 10.75	+ 3 51.5	2.243	3.011	13.6	21.5
2 1	11 6.53	+ 4 7.6	2.156	3.018	10.7	21.3
2 11	11 0.34	+ 4 36.2	2.092	3.025	7.4	21.1
2 21	10 52.68	+ 5 14.5	2.055	3.031	3.6	20.9
3 2	10 44.29	+ 5 58.3	2.047	3.038	0.8	20.7
3 12	10 36.05	+ 6 42.3	2.069	3.043	4.4	21.0
3 22	10 28.79	+ 7 21.7	2.119	3.049	8.1	21.2
4 1	10 23.16	+ 7 52.9	2.195	3.054	11.3	21.4
83794 2001 TM_{211}			2 29.3	77°08	3°7/ 4.1	18
1 22	11 8.70	− 5 7.4	2.308	3.037	14.3	19.8
2 1	11 4.94	− 5 22.4	2.216	3.042	11.8	19.7
2 11	10 59.29	− 5 20.9	2.145	3.048	8.9	19.5
2 21	10 52.20	− 5 3.3	2.099	3.053	5.9	19.3
3 2	10 44.39	− 4 31.5	2.081	3.058	3.8	19.2
3 12	10 36.67	− 3 49.6	2.093	3.063	4.8	19.2
3 22	10 29.85	− 3 2.7	2.132	3.069	7.6	19.4
4 1	10 24.58	− 2 16.3	2.197	3.074	10.6	19.6
30189 2000 GV_{96}			2 29.3	219°36	4°5/ 4.9	18
1 22	11 9.55	− 8 27.4	2.271	2.982	15.0	18.5
2 1	11 5.78	− 8 29.3	2.163	2.974	12.7	18.3
2 11	10 59.99	− 8 11.0	2.075	2.965	9.8	18.1
2 21	10 52.59	− 7 32.4	2.011	2.957	6.8	17.9
3 2	10 44.29	− 6 35.2	1.975	2.947	4.6	17.7
3 12	10 35.97	− 5 24.4	1.969	2.937	5.3	17.7
3 22	10 28.50	− 4 6.2	1.991	2.927	8.1	17.9
4 1	10 22.64	− 2 47.9	2.039	2.916	11.3	18.1
422712 2000 SY_{332}			2 29.3	69°80	3°2/ 3.7	18
1 22	11 8.75	− 5 33.4	1.827	2.572	17.1	20.9
2 1	11 5.30	− 5 4.4	1.757	2.596	13.9	20.7
2 11	10 59.63	− 4 12.0	1.707	2.620	10.2	20.5
2 21	10 52.36	− 2 58.6	1.682	2.644	6.2	20.3
3 2	10 44.37	− 1 30.0	1.684	2.668	3.3	20.2
3 12	10 36.68	+ 0 5.7	1.715	2.691	4.9	20.3
3 22	10 30.20	+ 1 39.5	1.774	2.715	8.6	20.6
4 1	10 25.62	+ 3 4.2	1.859	2.738	12.1	20.9
401044 2011 SH_{269}			2 29.3	203°10	3°4/26.7	18
1 22	11 13.71	+12 56.8	1.540	2.352	16.8	20.9
2 1	11 9.89	+13 44.0	1.461	2.351	13.1	20.6
2 11	11 3.17	+14 42.3	1.403	2.350	8.8	20.4
2 21	10 54.17	+15 44.3	1.371	2.349	4.5	20.1
3 2	10 43.98	+16 40.8	1.365	2.348	4.1	20.1
3 12	10 34.00	+17 23.4	1.387	2.347	8.1	20.3
3 22	10 25.54	+17 47.0	1.434	2.346	12.5	20.6
4 1	10 19.56	+17 49.8	1.502	2.344	16.5	20.8
32976 1996 VK			2 29.3	93°04	4°2/25.5	18
1 22	11 12.21	+16 38.0	1.874	2.684	14.3	19.0
2 1	11 8.12	+17 32.8	1.802	2.690	11.1	18.8
2 11	11 1.62	+18 33.2	1.753	2.697	7.6	18.6
2 21	10 53.33	+19 32.1	1.730	2.703	4.6	18.5
3 2	10 44.18	+20 21.8	1.736	2.710	4.8	18.5
3 12	10 35.30	+20 56.1	1.769	2.716	7.9	18.7
3 22	10 27.70	+21 11.5	1.828	2.723	11.3	18.9
4 1	10 22.15	+21 7.6	1.910	2.729	14.4	19.1
163636 2002 UZ_{27}			2 29.3	126°30	1°3/28.1	17
1 22	11 12.69	+10 51.7	2.426	3.208	12.3	20.3
2 1	11 7.84	+11 8.3	2.344	3.217	9.5	20.1
2 11	11 1.11	+11 31.5	2.286	3.226	6.3	19.9
2 21	10 53.00	+11 57.8	2.256	3.235	2.9	19.7
3 2	10 44.26	+12 22.8	2.255	3.243	1.7	19.6
3 12	10 35.71	+12 42.5	2.286	3.252	4.9	19.9
3 22	10 28.13	+12 53.9	2.344	3.260	8.2	20.1
4 1	10 22.15	+12 55.2	2.429	3.267	11.1	20.3
34614 2000 UF_{19}			2 29.3	198°32	3°3/25.4	18
1 22	11 9.37	+13 48.3	2.302	3.101	12.4	18.8
2 1	11 5.58	+15 5.6	2.214	3.098	9.5	18.6
2 11	10 59.79	+16 31.7	2.151	3.095	6.4	18.4
2 21	10 52.48	+18 0.1	2.116	3.091	3.7	18.2
3 2	10 44.35	+19 23.3	2.112	3.087	3.9	18.2
3 12	10 36.30	+20 34.5	2.137	3.083	6.8	18.4
3 22	10 29.16	+21 29.0	2.189	3.078	10.0	18.6
4 1	10 23.63	+22 4.5	2.266	3.073	12.8	18.8

162806 2001 AY_{10} 2 29.3 108.°54 3.°4/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 13.12	− 2 43.2	1.733	2.487	17.5	19.9
2 1	11 8.96	− 2 52.4	1.653	2.499	14.3	19.7
2 11	11 2.27	− 2 41.5	1.593	2.510	10.5	19.5
2 21	10 53.68	− 2 11.6	1.558	2.522	6.4	19.3
3 2	10 44.12	− 1 26.3	1.549	2.533	3.5	19.1
3 12	10 34.79	− 0 31.8	1.568	2.543	5.5	19.2
3 22	10 26.78	+ 0 24.4	1.615	2.554	9.4	19.5
4 1	10 20.91	+ 1 15.8	1.686	2.564	13.2	19.7

62691 2000 TA_{24} 2 29.3 157.°05 2.°0/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.89	+11 48.3	2.468	3.253	12.0	19.8
2 1	11 7.24	+12 34.2	2.385	3.261	9.3	19.7
2 11	11 0.74	+13 27.4	2.327	3.268	6.1	19.5
2 21	10 52.85	+14 23.3	2.297	3.275	3.0	19.3
3 2	10 44.30	+15 16.4	2.297	3.281	2.5	19.3
3 12	10 35.90	+16 1.5	2.328	3.287	5.4	19.5
3 22	10 28.43	+16 35.0	2.388	3.291	8.6	19.7
4 1	10 22.52	+16 54.8	2.472	3.296	11.4	19.9

223640 2004 LJ_{6} 2 29.3 185.°28 5.°6/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.76	+23 38.4	2.452	3.252	11.7	21.1
2 1	11 8.90	+24 51.7	2.374	3.252	9.2	21.0
2 11	11 1.96	+26 5.3	2.322	3.252	6.9	20.8
2 21	10 53.46	+27 12.2	2.298	3.250	5.6	20.7
3 2	10 44.17	+28 5.6	2.304	3.249	6.3	20.8
3 12	10 35.04	+28 40.4	2.338	3.246	8.4	20.9
3 22	10 26.93	+28 54.7	2.398	3.243	10.9	21.0
4 1	10 20.54	+28 48.7	2.480	3.239	13.2	21.2

415840 2001 RO_{133} 2 29.3 142.°38 1.°4/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.35	+ 9 51.1	2.279	3.060	13.0	22.3
2 1	11 8.48	+10 26.2	2.199	3.072	10.1	22.1
2 11	11 1.61	+11 10.1	2.143	3.083	6.7	21.9
2 21	10 53.27	+11 58.3	2.114	3.094	3.1	21.7
3 2	10 44.22	+12 45.4	2.116	3.104	1.9	21.6
3 12	10 35.38	+13 26.1	2.148	3.113	5.3	21.9
3 22	10 27.58	+13 56.5	2.209	3.122	8.7	22.1
4 1	10 21.49	+14 14.4	2.294	3.130	11.7	22.3

284696 2008 SL_{158} 2 29.3 223.°25 0.°1/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 15.41	+ 5 47.2	1.714	2.497	16.6	21.2
2 1	11 11.04	+ 6 2.3	1.617	2.488	13.2	21.0
2 11	11 3.91	+ 6 32.5	1.542	2.480	9.0	20.7
2 21	10 54.56	+ 7 14.1	1.491	2.470	4.2	20.4
3 2	10 43.93	+ 8 1.4	1.469	2.460	0.9	20.1
3 12	10 33.32	+ 8 47.2	1.476	2.449	6.0	20.5
3 22	10 23.96	+ 9 25.1	1.509	2.438	10.8	20.7
4 1	10 16.89	+ 9 50.5	1.566	2.426	15.0	20.9

361143 2006 HV_{82} 2 29.3 295.°52 0.°4/29.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.10	+ 4 30.1	1.492	2.291	17.9	21.8
2 1	11 7.35	+ 4 44.9	1.394	2.274	14.3	21.5
2 11	11 1.70	+ 5 18.4	1.317	2.258	9.9	21.2
2 21	10 53.63	+ 6 7.4	1.262	2.241	4.8	20.9
3 2	10 44.11	+ 7 5.8	1.234	2.225	0.9	20.5
3 12	10 34.51	+ 8 5.0	1.233	2.209	6.4	20.9
3 22	10 26.20	+ 8 56.6	1.256	2.193	11.7	21.1
4 1	10 20.33	+ 9 34.2	1.302	2.178	16.4	21.3

320610 2008 CM_{10} 2 29.3 168.°07 1.°9/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.25	+11 34.1	2.350	3.132	12.6	20.7
2 1	11 9.18	+12 8.5	2.264	3.138	9.8	20.5
2 11	11 2.10	+12 50.5	2.202	3.142	6.5	20.3
2 21	10 53.51	+13 35.3	2.167	3.146	3.1	20.1
3 2	10 44.17	+14 17.8	2.164	3.149	2.3	20.0
3 12	10 35.00	+14 52.8	2.190	3.152	5.5	20.2
3 22	10 26.83	+15 16.9	2.246	3.153	8.9	20.5
4 1	10 20.34	+15 28.0	2.326	3.154	11.8	20.6

496354 2013 QD_{68} 2 29.3 189.°10 4.°8/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.14	− 8 34.6	2.418	3.117	14.5	22.0
2 1	11 7.62	− 8 59.2	2.314	3.117	12.2	21.8
2 11	11 1.13	− 9 6.5	2.232	3.115	9.6	21.6
2 21	10 53.12	− 8 55.7	2.175	3.113	6.9	21.5
3 2	10 44.26	− 8 27.9	2.145	3.111	5.0	21.3
3 12	10 35.42	− 7 46.5	2.145	3.108	5.5	21.4
3 22	10 27.44	− 6 56.3	2.174	3.104	7.9	21.5
4 1	10 21.01	− 6 3.1	2.229	3.100	10.7	21.7

212547 2006 SD_{20} 2 29.3 136.°53 5.°6/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.28	+25 27.3	2.449	3.249	11.7	21.2
2 1	11 9.22	+26 10.7	2.375	3.251	9.3	21.1
2 11	11 2.10	+26 51.7	2.325	3.252	7.0	20.9
2 21	10 53.50	+27 24.2	2.303	3.254	5.6	20.8
3 2	10 44.21	+27 42.7	2.309	3.256	6.1	20.9
3 12	10 35.18	+27 43.6	2.344	3.257	8.1	21.0
3 22	10 27.25	+27 26.0	2.405	3.259	10.5	21.1
4 1	10 21.08	+26 51.1	2.489	3.260	12.8	21.3

92450 2000 KW_{13} 2 29.3 189.°73 2.°7/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 14.77	+11 50.7	1.907	2.701	14.7	21.0
2 1	11 10.18	+12 41.6	1.819	2.700	11.4	20.8
2 11	11 3.11	+13 43.0	1.755	2.698	7.6	20.5
2 21	10 54.10	+14 48.6	1.718	2.696	3.8	20.3
3 2	10 44.07	+15 50.8	1.710	2.693	3.2	20.2
3 12	10 34.18	+16 42.3	1.731	2.690	6.9	20.5
3 22	10 25.49	+17 18.0	1.779	2.685	10.9	20.7
4 1	10 18.88	+17 35.8	1.850	2.680	14.4	20.9

345748 2007 EV_{10} 2 29.3 64.°98 1.°1/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 15.00	+ 3 53.8	1.274	2.074	20.3	20.9
2 1	11 11.22	+ 3 51.2	1.207	2.086	16.1	20.7
2 11	11 4.19	+ 4 7.8	1.159	2.098	11.1	20.4
2 21	10 54.68	+ 4 40.2	1.134	2.111	5.5	20.1
3 2	10 43.97	+ 5 22.0	1.133	2.124	1.3	19.9
3 12	10 33.68	+ 6 4.7	1.159	2.137	6.5	20.3
3 22	10 25.24	+ 6 40.7	1.210	2.150	11.8	20.6
4 1	10 19.63	+ 7 4.6	1.282	2.163	16.3	20.9

339570 2005 LR_{8} 2 29.3 156.°44 5.°5/21.4 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.92	+27 26.6	3.024	3.821	9.8	21.3
2 1	11 6.30	+28 38.5	2.958	3.829	7.9	21.1
2 11	11 0.01	+29 47.7	2.918	3.836	6.2	21.0
2 21	10 52.51	+30 48.7	2.906	3.842	5.5	21.0
3 2	10 44.43	+31 36.1	2.924	3.848	6.1	21.0
3 12	10 36.51	+32 6.5	2.970	3.854	7.7	21.1
3 22	10 29.42	+32 18.7	3.042	3.859	9.6	21.3
4 1	10 23.74	+32 13.0	3.137	3.864	11.3	21.4

63454 2001 OB_{5} 2 29.3 87.°65 6.°0/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.03	−13 0.9	2.496	3.168	14.7	18.6
2 1	11 6.55	−13 36.9	2.415	3.190	12.6	18.5
2 11	11 0.27	−13 54.1	2.354	3.211	10.2	18.3
2 21	10 52.65	−13 51.2	2.318	3.233	7.9	18.2
3 2	10 44.41	−13 29.1	2.308	3.254	6.2	18.2
3 12	10 36.33	−12 50.9	2.327	3.274	6.2	18.2
3 22	10 29.17	−12 1.5	2.373	3.295	7.8	18.3
4 1	10 23.53	−11 6.6	2.446	3.315	9.9	18.5

466565 2014 TQ_{59} 2 29.3 91.°31 0.°1/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.26	+ 5 21.6	1.954	2.729	15.1	22.1
2 1	11 9.36	+ 5 45.2	1.888	2.755	11.8	21.9
2 11	11 2.26	+ 6 21.6	1.845	2.781	7.9	21.7
2 21	10 53.58	+ 7 6.8	1.828	2.806	3.7	21.5
3 2	10 44.23	+ 7 55.1	1.840	2.831	0.7	21.3
3 12	10 35.25	+ 8 40.6	1.882	2.855	5.0	21.7
3 22	10 27.54	+ 9 18.4	1.952	2.879	8.8	21.9
4 1	10 21.77	+ 9 45.2	2.047	2.902	12.2	22.2

456853 2007 UE_{107} 2 29.3 140.°52 0.°1/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.18	+ 4 50.0	2.028	2.798	14.8	22.5
2 1	11 9.39	+ 5 16.9	1.947	2.811	11.6	22.3
2 11	11 2.37	+ 5 57.4	1.888	2.823	7.8	22.1
2 21	10 53.69	+ 6 47.8	1.857	2.834	3.7	21.9
3 2	10 44.20	+ 7 42.3	1.854	2.845	0.7	21.6
3 12	10 34.94	+ 8 34.9	1.882	2.855	5.0	22.0
3 22	10 26.83	+ 9 20.2	1.938	2.864	8.9	22.2
4 1	10 20.62	+ 9 54.1	2.019	2.873	12.4	22.5

282940 2007 RD_{18} 2 29.3 184.°68 3.°0/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.78	− 4 23.2	2.378	3.112	13.9	21.2
2 1	11 4.23	− 4 16.3	2.280	3.112	11.4	21.1
2 11	10 58.84	− 3 52.4	2.203	3.111	8.4	20.9
2 21	10 52.06	− 3 12.4	2.152	3.111	5.3	20.7
3 2	10 44.53	− 2 19.3	2.129	3.111	3.1	20.5
3 12	10 37.07	− 1 18.0	2.136	3.110	4.4	20.6
3 22	10 30.44	− 0 14.1	2.171	3.109	7.4	20.8
4 1	10 25.29	+ 0 46.8	2.233	3.108	10.5	21.0

19487 Rosscoleman 2 29.3 32.°38 0.°4/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.61	+ 4 6.7	1.349	2.158	18.9	17.4
2 1	11 5.34	+ 4 53.4	1.279	2.165	14.8	17.1
2 11	11 0.20	+ 6 2.2	1.228	2.173	10.0	16.9
2 21	10 52.84	+ 7 27.1	1.201	2.181	4.6	16.6
3 2	10 44.37	+ 8 58.4	1.200	2.190	1.2	16.4
3 12	10 36.19	+10 24.9	1.225	2.200	6.7	16.8
3 22	10 29.55	+11 37.1	1.274	2.210	11.7	17.1
4 1	10 25.37	+12 29.0	1.346	2.220	16.1	17.3

402738 2006 WH_{177} 2 29.3 84.°66 2.°9/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.91	+11 28.7	1.750	2.554	15.4	20.7
2 1	11 7.91	+12 35.0	1.688	2.574	11.8	20.5
2 11	11 1.48	+13 51.9	1.648	2.594	7.8	20.3
2 21	10 53.29	+15 12.0	1.635	2.614	3.9	20.1
3 2	10 44.31	+16 26.6	1.651	2.633	3.5	20.1
3 12	10 35.69	+17 27.9	1.694	2.653	7.1	20.4
3 22	10 28.43	+18 11.2	1.764	2.672	10.9	20.6
4 1	10 23.28	+18 34.5	1.857	2.690	14.2	20.9

125097 2001 UW_{30} 2 29.3 126°.61 1°.4/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 13.05	+ 6 49.3	1.717	2.508	16.2	20.5
2 1	11 8.92	+ 7 51.3	1.644	2.522	12.6	20.3
2 11	11 2.26	+ 9 9.3	1.593	2.535	8.4	20.1
2 21	10 53.70	+10 36.9	1.568	2.548	3.8	19.9
3 2	10 44.22	+12 5.1	1.572	2.561	2.0	19.8
3 12	10 35.01	+13 25.0	1.605	2.572	6.4	20.1
3 22	10 27.15	+14 29.7	1.665	2.583	10.7	20.3
4 1	10 21.46	+15 15.2	1.748	2.594	14.4	20.6

73244 2002 JS_{38} 2 29.3 208°.47 0°.7/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.30	+ 3 37.6	2.264	3.031	13.5	20.4
2 1	11 6.28	+ 3 50.9	2.167	3.028	10.7	20.2
2 11	11 0.28	+ 4 16.9	2.092	3.024	7.4	19.9
2 21	10 52.75	+ 4 53.0	2.045	3.021	3.7	19.7
3 2	10 44.40	+ 5 35.3	2.026	3.017	0.8	19.5
3 12	10 36.13	+ 6 18.7	2.038	3.013	4.4	19.7
3 22	10 28.76	+ 6 58.2	2.077	3.008	8.1	19.9
4 1	10 23.01	+ 7 29.9	2.143	3.004	11.5	20.1

19088 1978 VW_{4} 2 29.3 74°.67 1°.1/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.35	+ 7 34.8	1.485	2.285	17.9	19.6
2 1	11 10.17	+ 8 6.3	1.423	2.305	13.9	19.4
2 11	11 3.17	+ 8 52.6	1.382	2.325	9.2	19.1
2 21	10 54.12	+ 9 47.8	1.365	2.345	4.1	18.9
3 2	10 44.15	+10 43.8	1.376	2.365	1.7	18.8
3 12	10 34.65	+11 32.5	1.413	2.385	6.5	19.1
3 22	10 26.77	+12 8.2	1.477	2.404	11.1	19.4
4 1	10 21.36	+12 27.7	1.563	2.424	15.0	19.7

207938 2108 T-3 2 29.3 186°.81 2°.1/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.19	− 0 33.6	2.005	2.755	15.6	22.1
2 1	11 9.60	− 0 24.2	1.908	2.755	12.6	21.9
2 11	11 2.67	+ 0 2.7	1.833	2.754	9.0	21.6
2 21	10 53.92	+ 0 45.2	1.784	2.753	5.0	21.4
3 2	10 44.17	+ 1 39.3	1.763	2.750	2.1	21.2
3 12	10 34.48	+ 2 38.9	1.772	2.747	4.9	21.4
3 22	10 25.87	+ 3 37.5	1.809	2.743	8.9	21.6
4 1	10 19.17	+ 4 29.2	1.872	2.738	12.6	21.8

110061 2001 SF_{108} 2 29.3 45°.34 5°.6/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.86	− 7 4.0	1.485	2.236	20.1	18.1
2 1	11 7.44	− 7 31.5	1.424	2.261	16.7	17.9
2 11	11 1.34	− 7 33.1	1.381	2.286	12.7	17.7
2 21	10 53.27	− 7 8.7	1.360	2.312	8.6	17.6
3 2	10 44.32	− 6 21.7	1.364	2.339	5.8	17.5
3 12	10 35.79	− 5 19.3	1.394	2.365	6.6	17.6
3 22	10 28.79	− 4 10.4	1.449	2.392	9.9	17.8
4 1	10 24.13	− 3 4.0	1.529	2.420	13.5	18.1

168961 2001 BF_{23} 2 29.3 8°.15 2°.0/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.58	+ 8 55.9	1.421	2.237	17.8	20.1
2 1	11 6.85	+ 9 38.9	1.345	2.237	13.8	19.9
2 11	11 1.23	+10 38.0	1.290	2.238	9.2	19.6
2 21	10 53.35	+11 46.4	1.258	2.239	4.2	19.3
3 2	10 44.29	+12 55.0	1.253	2.241	2.7	19.2
3 12	10 35.45	+13 54.3	1.274	2.243	7.4	19.5
3 22	10 28.11	+14 37.1	1.319	2.245	12.2	19.8
4 1	10 23.25	+14 59.7	1.386	2.248	16.4	20.1

348958 2006 UO_{26} 2 29.3 164°.82 0°.2/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.37	+ 6 16.1	2.941	3.707	10.7	22.2
2 1	11 4.25	+ 6 41.3	2.848	3.711	8.4	22.0
2 11	10 58.62	+ 7 15.2	2.780	3.715	5.6	21.8
2 21	10 51.89	+ 7 55.1	2.740	3.718	2.6	21.6
3 2	10 44.60	+ 8 37.3	2.731	3.722	0.6	21.4
3 12	10 37.41	+ 9 17.8	2.753	3.724	3.7	21.7
3 22	10 30.92	+ 9 53.3	2.804	3.727	6.7	21.9
4 1	10 25.65	+10 20.9	2.883	3.729	9.3	22.1

328288 2008 GQ_{109} 2 29.3 288°.36 4°.0/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.34	− 5 30.0	1.828	2.576	16.9	21.6
2 1	11 4.67	− 5 27.4	1.719	2.558	14.1	21.3
2 11	10 59.62	− 5 1.7	1.630	2.541	10.7	21.1
2 21	10 52.61	− 4 12.9	1.564	2.523	6.9	20.8
3 2	10 44.43	− 3 3.6	1.525	2.506	4.1	20.6
3 12	10 36.14	− 1 40.5	1.513	2.488	5.6	20.6
3 22	10 28.84	− 0 11.9	1.528	2.471	9.5	20.8
4 1	10 23.46	+ 1 13.2	1.568	2.454	13.5	21.0

461962 2006 UF_{64} 2 29.3 37°.46 6°.0/ 5.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.57	− 8 55.5	1.125	1.889	24.5	20.2
2 1	11 9.82	− 8 59.9	1.093	1.938	20.1	20.0
2 11	11 2.91	− 8 28.8	1.077	1.986	15.1	19.9
2 21	10 53.90	− 7 25.0	1.081	2.036	9.9	19.8
3 2	10 44.25	− 5 56.2	1.109	2.086	6.3	19.7
3 12	10 35.51	− 4 15.1	1.162	2.136	7.1	19.9
3 22	10 28.86	− 2 34.6	1.239	2.186	10.8	20.2
4 1	10 25.00	− 1 5.1	1.339	2.236	14.6	20.6

371150 2005 XP_{41} 2 29.3 144°.71 3°.6/25.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 11.01	+15 1.1	1.976	2.782	13.8	21.8
2 1	11 7.14	+15 59.9	1.898	2.785	10.7	21.6
2 11	11 0.98	+17 6.0	1.843	2.788	7.2	21.4
2 21	10 53.10	+18 12.6	1.815	2.790	4.2	21.2
3 2	10 44.36	+19 12.3	1.816	2.793	4.3	21.2
3 12	10 35.81	+19 58.3	1.845	2.795	7.4	21.4
3 22	10 28.41	+20 26.8	1.900	2.797	10.8	21.6
4 1	10 22.93	+20 36.2	1.979	2.799	13.9	21.8

468723 2010 GG_{45} 2 29.3 284°.24 6°.5/ 5.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 15.20	−10 16.6	2.435	3.117	14.8	20.5
2 1	11 10.20	−11 29.4	2.319	3.103	12.8	20.3
2 11	11 3.04	−12 28.1	2.224	3.088	10.4	20.1
2 21	10 54.13	−13 10.0	2.154	3.073	8.1	20.0
3 2	10 44.13	−13 33.5	2.112	3.059	6.6	19.9
3 12	10 33.98	−13 39.3	2.099	3.044	7.0	19.8
3 22	10 24.60	−13 30.2	2.114	3.029	8.9	19.9
4 1	10 16.81	−13 11.1	2.155	3.015	11.5	20.1

470366 2007 TB_{57} 2 29.3 95°.24 4°.1/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.37	+19 25.3	2.312	3.114	12.2	21.2
2 1	11 7.76	+20 9.3	2.242	3.125	9.5	21.1
2 11	11 1.15	+20 55.2	2.196	3.135	6.6	20.9
2 21	10 53.09	+21 37.1	2.178	3.146	4.4	20.8
3 2	10 44.38	+22 9.3	2.188	3.156	4.7	20.8
3 12	10 35.94	+22 27.4	2.228	3.166	7.1	21.0
3 22	10 28.58	+22 29.6	2.294	3.176	9.9	21.2
4 1	10 22.94	+22 15.8	2.385	3.186	12.4	21.3

326395 2001 RM_{24} 2 29.3 82°.64 0°.7/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.11	+ 0 48.5	1.798	2.572	16.2	20.8
2 1	11 5.69	+ 1 41.9	1.726	2.591	12.8	20.6
2 11	10 59.99	+ 2 55.3	1.676	2.609	8.8	20.4
2 21	10 52.63	+ 4 23.9	1.651	2.627	4.3	20.2
3 2	10 44.47	+ 6 0.2	1.655	2.646	0.8	19.9
3 12	10 36.59	+ 7 35.2	1.688	2.663	5.1	20.3
3 22	10 29.92	+ 9 0.8	1.748	2.681	9.3	20.6
4 1	10 25.19	+10 11.1	1.834	2.699	12.9	20.8

63900 2001 SB_{14} 2 29.3 96°.28 1°.6/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 18.23	+ 9 19.5	1.585	2.378	17.3	19.4
2 1	11 12.97	+ 9 50.3	1.524	2.402	13.4	19.2
2 11	11 4.94	+10 33.1	1.484	2.426	8.8	19.0
2 21	10 54.91	+11 21.7	1.469	2.449	4.0	18.7
3 2	10 44.03	+12 8.7	1.483	2.472	2.1	18.7
3 12	10 33.66	+12 47.0	1.525	2.494	6.6	19.0
3 22	10 24.96	+13 11.9	1.594	2.515	10.9	19.3
4 1	10 18.72	+13 21.4	1.686	2.536	14.6	19.6

199817 2007 DY_{49} 2 29.3 100°.11 7°.2/27.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 37.91	+23 19.8	1.109	1.917	22.2	20.1
2 1	11 29.72	+23 23.7	1.051	1.933	17.7	19.9
2 11	11 16.86	+23 23.0	1.011	1.948	12.7	19.6
2 21	11 0.55	+23 6.1	0.994	1.962	8.2	19.4
3 2	10 42.93	+22 24.1	1.004	1.977	7.6	19.4
3 12	10 26.58	+21 14.5	1.040	1.991	11.5	19.7
3 22	10 13.48	+19 42.5	1.100	2.004	16.2	20.0
4 1	10 4.68	+17 55.8	1.181	2.017	20.5	20.3

256218 2006 VN_{123} 2 29.3 95°.85 2°.0/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.40	+10 0.8	1.901	2.693	14.8	20.8
2 1	11 8.83	+10 50.2	1.836	2.716	11.4	20.6
2 11	11 1.99	+11 50.0	1.795	2.738	7.5	20.4
2 21	10 53.51	+12 54.2	1.780	2.760	3.5	20.2
3 2	10 44.31	+13 55.6	1.795	2.781	2.5	20.2
3 12	10 35.47	+14 47.6	1.838	2.802	6.1	20.4
3 22	10 27.92	+15 25.5	1.909	2.822	9.9	20.7
4 1	10 22.35	+15 47.3	2.004	2.842	13.1	20.9

302027 2000 SR_{153} 2 29.3 118°.27 1°.3/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.67	+ 0 31.8	1.814	2.580	16.4	21.4
2 1	11 8.46	+ 1 2.4	1.738	2.596	13.1	21.2
2 11	11 1.88	+ 1 52.0	1.683	2.612	9.1	21.0
2 21	10 53.53	+ 2 57.0	1.653	2.627	4.7	20.8
3 2	10 44.32	+ 4 11.3	1.652	2.642	1.3	20.6
3 12	10 35.38	+ 5 27.2	1.679	2.656	5.0	20.9
3 22	10 27.69	+ 6 37.0	1.735	2.669	9.2	21.1
4 1	10 22.04	+ 7 35.2	1.816	2.682	13.0	21.4

433595 2013 YP_{56} 2 29.3 146°.78 0°.7/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.66	+ 8 33.8	2.474	3.252	12.2	21.9
2 1	11 6.32	+ 8 54.6	2.387	3.257	9.5	21.7
2 11	11 0.16	+ 9 24.0	2.323	3.262	6.3	21.5
2 21	10 52.66	+ 9 58.4	2.288	3.267	2.9	21.3
3 2	10 44.50	+10 33.6	2.282	3.272	1.2	21.1
3 12	10 36.48	+11 5.2	2.306	3.276	4.6	21.4
3 22	10 29.35	+11 29.6	2.360	3.280	7.9	21.6
4 1	10 23.72	+11 44.3	2.438	3.283	10.8	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
387349 2012 WA_{32} 2 29.3 225°29 4°3/24.2 17						
	h m	° ′			°	m
1 22	11 9.41	+20 0.9	2.499	3.304	11.3	21.1
2 1	11 5.48	+20 58.6	2.417	3.301	8.8	20.9
2 11	10 59.67	+21 58.7	2.360	3.298	6.3	20.7
2 21	10 52.47	+22 55.4	2.330	3.295	4.5	20.6
3 2	10 44.55	+23 42.8	2.330	3.292	4.9	20.6
3 12	10 36.76	+24 15.9	2.358	3.288	7.2	20.8
3 22	10 29.86	+24 32.3	2.413	3.285	9.8	20.9
4 1	10 24.51	+24 31.4	2.491	3.281	12.3	21.1
337835 2001 VG_{61} 2 29.3 135°73 3°3/ 4.3 17						
1 22	11 8.76	− 5 36.7	2.729	3.444	12.7	21.1
2 1	11 4.69	− 5 43.7	2.635	3.453	10.5	21.0
2 11	10 59.00	− 5 35.9	2.564	3.461	7.9	20.8
2 21	10 52.12	− 5 14.0	2.518	3.469	5.2	20.6
3 2	10 44.63	− 4 39.9	2.501	3.477	3.4	20.5
3 12	10 37.23	− 3 57.3	2.515	3.484	4.2	20.6
3 22	10 30.60	− 3 10.5	2.557	3.491	6.6	20.8
4 1	10 25.27	− 2 24.0	2.626	3.498	9.2	20.9
193908 2001 QR_{248} 2 29.3 89°30 3°8/26.7 18						
1 22	11 18.60	+14 44.1	1.490	2.299	17.4	20.1
2 1	11 13.52	+15 25.8	1.431	2.319	13.5	19.9
2 11	11 5.44	+16 15.2	1.393	2.338	9.0	19.7
2 21	10 55.20	+17 3.9	1.381	2.357	4.9	19.5
3 2	10 44.03	+17 43.5	1.395	2.376	4.4	19.5
3 12	10 33.42	+18 7.1	1.437	2.395	8.2	19.8
3 22	10 24.62	+18 11.6	1.505	2.413	12.3	20.0
4 1	10 18.47	+17 57.3	1.594	2.431	15.9	20.3
30006 2000 CB_{30} 2 29.3 261°87 0°2/29.1 18 R						
1 22	11 8.37	+ 5 43.0	2.165	2.946	13.6	18.3
2 1	11 4.91	+ 6 12.8	2.071	2.942	10.7	18.1
2 11	10 59.43	+ 6 55.4	2.000	2.938	7.2	17.9
2 21	10 52.41	+ 7 47.3	1.955	2.934	3.3	17.6
3 2	10 44.57	+ 8 43.2	1.939	2.930	0.8	17.4
3 12	10 36.80	+ 9 37.2	1.953	2.926	4.9	17.7
3 22	10 29.96	+10 24.0	1.994	2.922	8.7	17.9
4 1	10 24.76	+10 59.6	2.061	2.917	12.0	18.1
37025 2000 US_{5} 2 29.3 58°13 5°8/23.8 18						
1 22	11 11.02	+20 5.5	1.779	2.598	14.6	17.9
2 1	11 7.39	+21 23.9	1.716	2.608	11.4	17.8
2 11	11 1.26	+22 45.7	1.676	2.617	8.1	17.6
2 21	10 53.27	+24 1.9	1.662	2.627	6.0	17.5
3 2	10 44.41	+25 3.4	1.676	2.637	6.6	17.5
3 12	10 35.86	+25 43.6	1.717	2.647	9.4	17.7
3 22	10 28.68	+25 59.7	1.782	2.657	12.6	17.9
4 1	10 23.65	+25 52.4	1.868	2.667	15.4	18.1
84695 2002 VH_{109} 2 29.3 139°31 2°4/26.8 18						
1 22	11 14.28	+12 54.0	2.314	3.100	12.7	20.2
2 1	11 9.21	+13 41.3	2.239	3.115	9.8	20.1
2 11	11 2.12	+14 35.5	2.188	3.129	6.5	19.9
2 21	10 53.58	+15 31.1	2.165	3.142	3.3	19.7
3 2	10 44.36	+16 22.3	2.173	3.155	2.9	19.7
3 12	10 35.37	+17 3.7	2.211	3.167	5.9	19.9
3 22	10 27.44	+17 32.0	2.277	3.178	9.1	20.1
4 1	10 21.22	+17 45.6	2.368	3.188	11.9	20.3
459010 2011 YB_{8} 2 29.3 72°72 3°2/26.5 18						
1 22	11 10.38	+11 10.1	1.559	2.373	16.6	21.3
2 1	11 7.17	+12 21.4	1.490	2.382	12.8	21.1
2 11	11 1.27	+13 46.2	1.443	2.391	8.5	20.9
2 21	10 53.34	+15 16.2	1.421	2.400	4.3	20.6
3 2	10 44.39	+16 41.2	1.426	2.409	4.0	20.6
3 12	10 35.74	+17 51.8	1.459	2.418	7.9	20.9
3 22	10 28.52	+18 41.7	1.516	2.427	12.1	21.2
4 1	10 23.60	+19 8.6	1.596	2.436	15.8	21.4
499846 2011 EX_{25} 2 29.3 307°40 0°1/29.3 17						
1 22	11 6.41	+ 3 33.0	1.874	2.660	15.2	21.4
2 1	11 3.76	+ 4 19.1	1.778	2.652	12.0	21.2
2 11	10 58.88	+ 5 23.4	1.705	2.644	8.2	20.9
2 21	10 52.23	+ 6 41.9	1.657	2.636	3.8	20.7
3 2	10 44.61	+ 8 7.8	1.637	2.628	0.8	20.4
3 12	10 37.01	+ 9 32.8	1.646	2.620	5.4	20.7
3 22	10 30.44	+10 49.0	1.681	2.612	9.7	20.9
4 1	10 25.70	+11 50.5	1.741	2.605	13.6	21.2
383615 2007 LQ_{12} 2 29.4 234°36 4°0/24.8 17						
1 22	11 11.49	+17 58.4	2.403	3.203	11.9	21.8
2 1	11 7.25	+18 57.8	2.308	3.191	9.3	21.6
2 11	11 0.99	+20 2.1	2.238	3.178	6.5	21.4
2 21	10 53.14	+21 5.1	2.196	3.165	4.3	21.2
3 2	10 44.44	+22 0.3	2.184	3.152	4.6	21.2
3 12	10 35.77	+22 42.0	2.200	3.138	7.2	21.3
3 22	10 27.99	+23 6.9	2.244	3.123	10.2	21.5
4 1	10 21.85	+23 13.6	2.312	3.108	12.9	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
494186 2016 GG_{247} 2 29.4 213°54 5°0/24.8 17						
	h m	° ′			°	m
1 22	11 15.41	+21 15.9	2.101	2.904	13.2	21.3
2 1	11 10.49	+21 58.4	2.020	2.902	10.4	21.1
2 11	11 3.22	+22 41.9	1.962	2.899	7.5	20.9
2 21	10 54.17	+23 19.8	1.932	2.896	5.3	20.8
3 2	10 44.25	+23 45.4	1.930	2.894	5.6	20.8
3 12	10 34.54	+23 53.9	1.957	2.891	8.2	20.9
3 22	10 26.06	+23 43.4	2.009	2.888	11.2	21.1
4 1	10 19.58	+23 14.7	2.085	2.884	14.1	21.3
310313 2011 UD_{125} 2 29.4 221°59 0°7/29.9 17						
1 22	11 13.31	+ 2 55.4	1.910	2.680	15.6	22.6
2 1	11 9.17	+ 3 21.7	1.807	2.670	12.5	22.4
2 11	11 2.57	+ 4 5.1	1.727	2.659	8.6	22.1
2 21	10 53.99	+ 5 2.5	1.672	2.648	4.3	21.8
3 2	10 44.26	+ 6 8.6	1.645	2.636	0.8	21.5
3 12	10 34.51	+ 7 16.0	1.648	2.623	5.3	21.8
3 22	10 25.81	+ 8 17.6	1.679	2.609	9.8	22.0
4 1	10 19.09	+ 9 7.7	1.735	2.595	13.8	22.3
522520 2016 EL_{235} 2 29.4 166°22 4°7/24.2 17						
1 22	11 12.21	+20 57.9	2.408	3.210	11.8	21.7
2 1	11 7.68	+21 54.6	2.331	3.213	9.2	21.5
2 11	11 1.16	+22 52.9	2.279	3.215	6.6	21.3
2 21	10 53.17	+23 46.4	2.255	3.217	4.8	21.2
3 2	10 44.46	+24 29.1	2.260	3.219	5.3	21.2
3 12	10 35.94	+24 56.1	2.294	3.221	7.5	21.4
3 22	10 28.42	+25 5.5	2.354	3.223	10.2	21.6
4 1	10 22.58	+24 57.1	2.438	3.224	12.6	21.7
51183 2000 HS_{76} 2 29.4 52°87 6°0/24.1 18						
1 22	11 10.83	+18 17.0	1.535	2.361	16.1	18.0
2 1	11 7.59	+19 45.7	1.477	2.374	12.5	17.8
2 11	11 1.56	+21 20.3	1.441	2.386	8.8	17.6
2 21	10 53.46	+22 50.3	1.431	2.399	6.2	17.5
3 2	10 44.41	+24 4.9	1.447	2.412	6.9	17.5
3 12	10 35.74	+24 55.8	1.489	2.426	10.0	17.7
3 22	10 28.63	+25 19.9	1.555	2.440	13.5	18.0
4 1	10 23.92	+25 17.6	1.642	2.454	16.7	18.2
36413 2000 OW_{49} 2 29.4 126°04 3°4/26.7 18						
1 22	11 16.90	+14 14.9	1.780	2.579	15.4	18.9
2 1	11 11.85	+14 59.5	1.709	2.592	11.9	18.7
2 11	11 4.20	+15 51.6	1.662	2.605	8.0	18.4
2 21	10 54.64	+16 44.1	1.641	2.617	4.3	18.2
3 2	10 44.18	+17 29.5	1.648	2.629	3.9	18.2
3 12	10 34.07	+18 1.3	1.685	2.640	7.4	18.5
3 22	10 25.41	+18 16.2	1.747	2.651	11.2	18.7
4 1	10 19.02	+18 13.2	1.833	2.661	14.5	19.0
248589 2006 BZ_{275} 2 29.4 150°25 0°2/29.6 18						
1 22	11 9.88	+ 4 13.5	2.475	3.240	12.6	21.4
2 1	11 5.72	+ 4 44.5	2.387	3.248	9.9	21.2
2 11	10 59.78	+ 5 27.6	2.322	3.255	6.7	21.0
2 21	10 52.52	+ 6 19.5	2.285	3.263	3.2	20.8
3 2	10 44.59	+ 7 15.5	2.279	3.269	0.6	20.6
3 12	10 36.80	+ 8 10.6	2.302	3.275	4.2	20.9
3 22	10 29.87	+ 9 0.0	2.355	3.281	7.6	21.1
4 1	10 24.40	+ 9 40.1	2.434	3.286	10.6	21.3
417418 2006 KX_{18} 2 29.4 230°74 0°9/ 1.3 17						
1 22	11 10.78	+ 0 27.4	2.127	2.885	14.6	22.3
2 1	11 6.98	+ 1 13.9	2.016	2.871	11.7	22.0
2 11	11 0.99	+ 2 19.8	1.928	2.856	8.2	21.8
2 21	10 53.23	+ 3 42.1	1.866	2.840	4.2	21.5
3 2	10 44.43	+ 5 15.4	1.833	2.823	1.0	21.2
3 12	10 35.55	+ 6 51.7	1.831	2.806	4.8	21.5
3 22	10 27.55	+ 8 23.1	1.858	2.788	9.0	21.7
4 1	10 21.26	+ 9 42.9	1.911	2.769	12.8	21.9
187698 2008 DM_{79} 2 29.4 53°58 3°8/ 2.9 18						
1 22	11 15.00	− 1 11.4	1.718	2.476	17.5	19.9
2 1	11 10.59	− 1 52.3	1.632	2.479	14.3	19.6
2 11	11 3.54	− 2 16.8	1.565	2.483	10.6	19.4
2 21	10 54.42	− 2 24.8	1.523	2.487	6.6	19.2
3 2	10 44.21	− 2 17.9	1.508	2.490	3.9	19.0
3 12	10 34.14	− 2 0.2	1.521	2.494	5.8	19.2
3 22	10 25.37	− 1 37.3	1.560	2.498	9.7	19.4
4 1	10 18.83	− 1 14.8	1.624	2.502	13.5	19.6
4217 Engelhardt 2 29.4 164°12 4°4/26.3 18						
1 22	11 25.32	+19 39.2	1.990	2.775	14.5	16.8
2 1	11 18.21	+20 1.7	1.909	2.781	11.4	16.6
2 11	11 8.39	+20 25.1	1.852	2.787	8.0	16.4
2 21	10 56.56	+20 42.8	1.823	2.792	5.0	16.3
3 2	10 43.81	+20 48.6	1.823	2.796	4.8	16.2
3 12	10 31.43	+20 38.3	1.854	2.799	7.7	16.4
3 22	10 20.59	+20 11.0	1.914	2.802	11.2	16.6
4 1	10 12.12	+19 28.2	1.998	2.804	14.3	16.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
163408	2002 RC_7		2 29.4	88°.61	0°.1/29.3	18
	h m	° ′			°	m
1 22	11 9.12	+ 5 20.3	2.160	2.938	13.7	20.2
2 1	11 5.37	+ 5 50.7	2.080	2.949	10.7	20.0
2 11	10 59.66	+ 6 33.6	2.023	2.960	7.2	19.8
2 21	10 52.49	+ 7 25.3	1.993	2.971	3.3	19.6
3 2	10 44.62	+ 8 20.5	1.992	2.982	0.7	19.4
3 12	10 36.94	+ 9 13.4	2.020	2.993	4.7	19.7
3 22	10 30.25	+ 9 58.9	2.076	3.004	8.4	20.0
4 1	10 25.22	+10 33.5	2.158	3.014	11.6	20.2
31153	Enricaparri		2 29.4	228°.00	1°.8/27.9	18
1 22	11 15.90	+10 18.5	1.840	2.631	15.3	19.0
2 1	11 11.30	+10 46.6	1.743	2.620	12.0	18.7
2 11	11 4.07	+11 25.8	1.668	2.610	8.1	18.5
2 21	10 54.71	+12 11.1	1.619	2.598	3.8	18.2
3 2	10 44.16	+12 55.9	1.598	2.586	2.3	18.0
3 12	10 33.63	+13 33.3	1.607	2.573	6.5	18.3
3 22	10 24.30	+13 58.2	1.643	2.560	10.9	18.5
4 1	10 17.13	+14 7.8	1.702	2.546	14.8	18.7
226920	2004 TT_{221}		2 29.4	101°.49	4°.3/24.9	18
1 22	11 13.23	+18 12.5	2.186	2.987	12.8	20.1
2 1	11 8.50	+19 16.3	2.125	3.008	9.9	20.0
2 11	11 1.69	+20 23.2	2.089	3.029	6.8	19.8
2 21	10 53.39	+21 26.4	2.081	3.049	4.5	19.7
3 2	10 44.46	+22 19.1	2.102	3.069	4.9	19.8
3 12	10 35.85	+22 56.3	2.152	3.088	7.4	19.9
3 22	10 28.41	+23 15.4	2.228	3.107	10.2	20.2
4 1	10 22.79	+23 16.4	2.328	3.126	12.8	20.4
165755	2001 QK_{207}		2 29.4	139°.41	0°.3/29.0	18
1 22	11 8.96	+ 6 15.1	2.763	3.531	11.3	21.2
2 1	11 4.80	+ 6 46.0	2.677	3.541	8.8	21.1
2 11	10 59.05	+ 7 26.3	2.616	3.552	5.9	20.9
2 21	10 52.15	+ 8 12.8	2.583	3.561	2.7	20.7
3 2	10 44.70	+ 9 1.4	2.580	3.571	0.7	20.5
3 12	10 37.38	+ 9 47.8	2.608	3.579	4.0	20.8
3 22	10 30.82	+10 28.1	2.666	3.588	7.0	21.0
4 1	10 25.58	+10 59.5	2.750	3.596	9.7	21.2
502675	2015 CH_{56}		2 29.4	38°.16	1°.0/ 1.5	18
1 22	11 5.77	+ 0 27.7	1.982	2.754	15.0	20.8
2 1	11 3.02	+ 1 10.9	1.897	2.760	11.9	20.6
2 11	10 58.22	+ 2 12.8	1.835	2.767	8.3	20.4
2 21	10 51.87	+ 3 29.7	1.798	2.773	4.2	20.2
3 2	10 44.75	+ 4 55.7	1.790	2.780	1.0	19.9
3 12	10 37.77	+ 6 22.9	1.811	2.788	4.7	20.2
3 22	10 31.79	+ 7 44.0	1.860	2.795	8.6	20.5
4 1	10 27.52	+ 8 52.9	1.933	2.803	12.1	20.7
439475	2013 YZ_{86}		2 29.4	2°.26	8°.1/19.8	18
1 22	11 5.75	+25 38.8	1.826	2.656	13.8	20.0
2 1	11 3.49	+27 38.7	1.764	2.655	11.1	19.8
2 11	10 58.79	+29 38.6	1.726	2.655	8.9	19.7
2 21	10 52.22	+31 27.7	1.714	2.656	8.1	19.7
3 2	10 44.68	+32 55.6	1.729	2.657	9.3	19.7
3 12	10 37.32	+33 55.1	1.769	2.659	11.7	19.9
3 22	10 31.21	+34 23.7	1.832	2.662	14.3	20.1
4 1	10 27.16	+34 22.7	1.913	2.665	16.8	20.2
9727	Skrutskie		2 29.4	157°.13	0°.1/29.4	18
1 22	11 9.10	+ 4 56.6	2.309	3.082	13.1	18.2
2 1	11 5.30	+ 5 25.6	2.219	3.085	10.3	18.0
2 11	10 59.60	+ 6 7.0	2.152	3.088	7.0	17.8
2 21	10 52.48	+ 6 57.4	2.113	3.091	3.3	17.6
3 2	10 44.64	+ 7 51.9	2.103	3.093	0.6	17.4
3 12	10 36.90	+ 8 45.0	2.122	3.096	4.5	17.7
3 22	10 30.07	+ 9 31.9	2.170	3.098	8.1	17.9
4 1	10 24.79	+10 8.7	2.244	3.099	11.2	18.1
382557	2001 WQ_{64}		2 29.4	43°.32	5°.9/ 7.2	18
1 22	11 5.63	−13 13.3	1.965	2.668	17.3	20.2
2 1	11 2.89	−13 9.5	1.890	2.688	14.7	20.1
2 11	10 58.09	−12 39.4	1.834	2.709	11.7	19.9
2 21	10 51.79	−11 43.1	1.800	2.730	8.6	19.7
3 2	10 44.79	−10 23.7	1.791	2.752	6.3	19.6
3 12	10 38.02	− 8 47.9	1.810	2.774	6.2	19.7
3 22	10 32.32	− 7 4.1	1.857	2.796	8.4	19.9
4 1	10 28.35	− 5 21.4	1.930	2.819	11.2	20.1
426407	2013 PL_{69}		2 29.4	236°.68	5°.9/24.0	17
1 22	11 16.51	+22 35.2	2.021	2.825	13.6	21.3
2 1	11 11.61	+23 31.0	1.934	2.815	10.8	21.1
2 11	11 4.15	+24 28.0	1.870	2.804	8.0	20.9
2 21	10 54.70	+25 18.5	1.833	2.793	6.0	20.7
3 2	10 44.20	+25 54.6	1.825	2.782	6.6	20.7
3 12	10 33.83	+26 10.4	1.844	2.770	9.2	20.9
3 22	10 24.71	+26 3.9	1.889	2.758	12.3	21.0
4 1	10 17.72	+25 35.8	1.957	2.745	15.2	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
468525	2005 WX_{143}		2 29.4	247°.62	7°.7/ 7.6	17
	h m	° ′			°	m
1 22	11 10.15	−15 10.0	2.156	2.828	16.7	21.9
2 1	11 6.56	−15 54.0	2.048	2.819	14.7	21.7
2 11	11 0.75	−16 16.1	1.958	2.808	12.3	21.5
2 21	10 53.15	−16 13.5	1.891	2.798	9.8	21.4
3 2	10 44.50	−15 45.1	1.848	2.787	8.0	21.2
3 12	10 35.76	−14 53.6	1.832	2.776	7.9	21.2
3 22	10 27.90	−13 44.5	1.843	2.765	9.6	21.3
4 1	10 21.79	−12 25.6	1.879	2.754	12.2	21.4
163687	2003 AC_{35}		2 29.4	88°.88	0°.9/ 1.5	18
1 22	11 9.65	+ 1 47.4	2.455	3.211	12.9	20.6
2 1	11 5.43	+ 2 12.8	2.383	3.236	10.2	20.5
2 11	10 59.50	+ 2 51.1	2.334	3.261	7.0	20.3
2 21	10 52.37	+ 3 39.2	2.312	3.285	3.6	20.1
3 2	10 44.69	+ 4 33.1	2.320	3.310	1.0	20.0
3 12	10 37.25	+ 5 27.5	2.358	3.333	3.9	20.2
3 22	10 30.72	+ 6 17.8	2.425	3.357	7.1	20.5
4 1	10 25.66	+ 7 0.3	2.519	3.379	10.0	20.7
35129	1992 EZ_{29}		2 29.4	319°.88	0°.9/28.7	18
1 22	11 11.77	+ 7 7.1	1.458	2.263	17.9	19.1
2 1	11 8.59	+ 7 34.2	1.375	2.260	14.1	18.9
2 11	11 2.48	+ 8 17.9	1.313	2.258	9.5	18.6
2 21	10 54.04	+ 9 13.2	1.275	2.256	4.3	18.3
3 2	10 44.33	+10 12.4	1.263	2.253	1.6	18.1
3 12	10 34.78	+11 6.4	1.278	2.251	6.8	18.4
3 22	10 26.70	+11 48.0	1.318	2.249	11.8	18.7
4 1	10 21.12	+12 12.7	1.380	2.248	16.2	18.9
495803	2017 FR_{89}		2 29.4	311°.84	1°.9/27.9	17
1 22	11 8.09	+ 7 17.4	1.274	2.096	19.1	21.3
2 1	11 6.24	+ 8 8.9	1.188	2.084	15.0	21.0
2 11	11 1.23	+ 9 22.4	1.122	2.072	10.1	20.7
2 21	10 53.59	+10 51.4	1.079	2.060	4.6	20.3
3 2	10 44.41	+12 25.0	1.061	2.049	2.7	20.2
3 12	10 35.24	+13 50.6	1.068	2.039	8.2	20.5
3 22	10 27.60	+14 57.8	1.098	2.029	13.7	20.7
4 1	10 22.69	+15 40.3	1.149	2.019	18.5	21.0
351688	2006 BQ_{46}		2 29.4	25°.02	1°.6/ 1.4	18
1 22	11 12.70	+ 3 38.7	1.252	2.057	20.3	21.2
2 1	11 9.62	+ 3 23.1	1.181	2.062	16.2	20.9
2 11	11 3.30	+ 3 26.3	1.128	2.067	11.3	20.6
2 21	10 54.44	+ 3 46.0	1.097	2.073	5.8	20.3
3 2	10 44.27	+ 4 16.6	1.090	2.080	1.7	20.1
3 12	10 34.41	+ 4 50.6	1.109	2.088	6.5	20.4
3 22	10 26.32	+ 5 20.5	1.152	2.096	11.8	20.7
4 1	10 21.04	+ 5 40.4	1.217	2.105	16.5	21.0
404329	2013 FD_{17}		2 29.4	285°.27	2°.8/26.9	18
1 22	11 9.30	+ 9 44.6	1.550	2.363	16.7	21.1
2 1	11 6.58	+10 50.5	1.463	2.355	13.0	20.8
2 11	11 1.10	+12 13.1	1.398	2.346	8.7	20.6
2 21	10 53.41	+13 45.2	1.358	2.338	4.2	20.3
3 2	10 44.46	+15 16.7	1.345	2.330	3.5	20.2
3 12	10 35.58	+16 36.8	1.359	2.322	7.9	20.5
3 22	10 28.01	+17 37.8	1.398	2.314	12.5	20.7
4 1	10 22.76	+18 15.4	1.458	2.306	16.6	20.9
26684	2001 FZ_{35}		2 29.4	83°.48	1°.0/28.8	18
1 22	11 18.63	+ 8 29.7	1.319	2.123	19.5	19.5
2 1	11 13.94	+ 8 40.7	1.256	2.139	15.3	19.3
2 11	11 5.98	+ 9 5.9	1.212	2.156	10.2	19.0
2 21	10 55.58	+ 9 39.8	1.192	2.172	4.6	18.8
3 2	10 44.08	+10 14.7	1.199	2.189	1.6	18.6
3 12	10 33.10	+10 43.0	1.232	2.205	7.0	19.0
3 22	10 24.05	+10 59.3	1.290	2.221	12.1	19.3
4 1	10 17.89	+11 0.9	1.370	2.236	16.4	19.6
218571	2005 JN_{34}		2 29.4	134°.16	3°.1/ 3.9	18
1 22	11 11.45	− 5 56.1	2.413	3.129	14.1	21.1
2 1	11 6.96	− 5 36.4	2.327	3.147	11.6	20.9
2 11	11 0.62	− 4 58.5	2.262	3.163	8.6	20.8
2 21	10 52.94	− 4 3.7	2.223	3.179	5.5	20.6
3 2	10 44.59	− 2 55.7	2.214	3.194	3.2	20.5
3 12	10 36.42	− 1 40.0	2.236	3.208	4.3	20.6
3 22	10 29.17	− 0 22.8	2.287	3.222	7.3	20.8
4 1	10 23.46	+ 0 50.1	2.365	3.234	10.2	21.0
334090	2001 QS_{132}		2 29.4	70°.03	2°.3/ 2.5	18
1 22	11 14.78	+ 0 17.1	2.245	2.990	14.3	20.6
2 1	11 9.50	− 0 3.9	2.175	3.018	11.4	20.5
2 11	11 2.28	− 0 11.9	2.128	3.046	8.2	20.3
2 21	10 53.67	− 0 8.1	2.107	3.073	4.7	20.2
3 2	10 44.48	+ 0 4.8	2.115	3.101	2.4	20.0
3 12	10 35.59	+ 0 23.2	2.154	3.128	4.3	20.2
3 22	10 27.82	+ 0 42.9	2.221	3.155	7.5	20.5
4 1	10 21.76	+ 1 0.4	2.315	3.182	10.5	20.7

157921 1999 VV_{35} 2 29.4 155°31 2°5/ 3.4 17

2020	α_{2000} (h m)	δ_{2000} (° ′)	Δ	r	β (°)	V (m)
1 22	11 9.89	− 3 40.9	2.709	3.433	12.6	20.9
2 1	11 5.60	− 3 31.6	2.615	3.441	10.2	20.7
2 11	10 59.65	− 3 7.6	2.542	3.449	7.5	20.6
2 21	10 52.49	− 2 30.2	2.497	3.457	4.6	20.4
3 2	10 44.70	− 1 42.2	2.481	3.463	2.6	20.3
3 12	10 37.01	− 0 47.9	2.496	3.470	3.9	20.3
3 22	10 30.08	+ 0 8.1	2.541	3.475	6.7	20.5
4 1	10 24.50	+ 1 1.1	2.613	3.480	9.4	20.7

66307 1999 JV_{40} 2 29.4 270°87 2°7/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.11	− 2 5.5	1.719	2.482	17.3	18.5
2 1	11 7.10	− 1 54.6	1.608	2.462	14.2	18.2
2 11	11 1.47	− 1 21.2	1.518	2.441	10.4	17.9
2 21	10 53.64	− 0 26.2	1.451	2.419	6.1	17.6
3 2	10 44.43	+ 0 46.7	1.410	2.397	2.8	17.3
3 12	10 35.04	+ 2 9.9	1.398	2.375	5.6	17.5
3 22	10 26.68	+ 3 34.2	1.412	2.353	10.3	17.7
4 1	10 20.42	+ 4 51.0	1.450	2.330	14.8	17.9

114852 2003 PL_{6} 2 29.4 123°88 3°4/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.12	− 3 6.7	2.286	3.017	14.4	19.9
2 1	11 8.41	− 3 30.8	2.196	3.026	11.8	19.7
2 11	11 1.70	− 3 40.1	2.128	3.035	8.8	19.5
2 21	10 53.49	− 3 35.0	2.086	3.044	5.6	19.4
3 2	10 44.51	− 3 17.3	2.073	3.053	3.4	19.2
3 12	10 35.66	− 2 50.7	2.090	3.061	4.7	19.3
3 22	10 27.79	− 2 19.7	2.134	3.069	7.7	19.5
4 1	10 21.57	− 1 48.9	2.206	3.077	10.8	19.7

351655 2005 YA_{161} 2 29.4 101°03 1°8/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.71	+ 7 35.8	1.560	2.358	17.3	21.2
2 1	11 9.65	+ 8 40.8	1.495	2.378	13.4	21.0
2 11	11 2.88	+10 2.0	1.452	2.397	8.8	20.8
2 21	10 54.10	+11 31.8	1.435	2.415	4.0	20.6
3 2	10 44.40	+13 0.5	1.445	2.433	2.5	20.5
3 12	10 35.07	+14 18.4	1.484	2.451	6.9	20.8
3 22	10 27.27	+15 18.6	1.549	2.468	11.3	21.1
4 1	10 21.82	+15 58.0	1.637	2.484	15.1	21.4

472097 2014 AD_{8} 2 29.4 137°02 4°9/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.80	+21 15.2	2.551	3.357	11.1	21.7
2 1	11 4.99	+22 38.7	2.480	3.364	8.7	21.5
2 11	10 59.36	+24 4.2	2.436	3.370	6.3	21.4
2 21	10 52.38	+25 24.8	2.419	3.377	4.9	21.3
3 2	10 44.73	+26 34.1	2.432	3.383	5.6	21.3
3 12	10 37.23	+27 26.8	2.474	3.389	7.7	21.5
3 22	10 30.61	+28 0.4	2.542	3.395	10.1	21.6
4 1	10 25.51	+28 14.4	2.633	3.400	12.3	21.8

458827 2011 UB_{14} 2 29.4 187°36 4°1/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.15	− 4 40.9	1.798	2.540	17.4	21.2
2 1	11 9.14	− 4 53.9	1.704	2.540	14.4	21.0
2 11	11 2.60	− 4 45.9	1.630	2.539	10.8	20.8
2 21	10 54.06	− 4 17.1	1.580	2.538	7.0	20.5
3 2	10 44.40	− 3 30.0	1.557	2.537	4.2	20.4
3 12	10 34.79	− 2 30.5	1.561	2.535	5.7	20.4
3 22	10 26.36	− 1 26.1	1.593	2.532	9.5	20.7
4 1	10 20.02	− 0 24.2	1.650	2.529	13.3	20.9

426963 2013 YY_{59} 2 29.4 186°37 1°4/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.44	+ 2 11.5	2.461	3.217	12.9	21.9
2 1	11 6.24	+ 2 11.2	2.365	3.217	10.3	21.7
2 11	11 0.21	+ 2 22.7	2.291	3.217	7.2	21.5
2 21	10 52.80	+ 2 44.1	2.244	3.216	3.8	21.2
3 2	10 44.66	+ 3 12.5	2.226	3.216	1.4	21.1
3 12	10 36.60	+ 3 43.7	2.239	3.215	4.0	21.3
3 22	10 29.38	+ 4 13.8	2.280	3.214	7.4	21.5
4 1	10 23.63	+ 4 39.0	2.348	3.212	10.5	21.7

495834 2000 SN_{51} 2 29.4 138°49 2°6/ 3.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.57	− 4 20.6	2.597	3.319	13.1	23.0
2 1	11 6.16	− 4 3.1	2.509	3.334	10.7	22.9
2 11	11 0.04	− 3 29.5	2.442	3.348	7.8	22.7
2 21	10 52.67	− 2 41.5	2.403	3.362	4.8	22.5
3 2	10 44.69	− 1 42.3	2.393	3.375	2.7	22.4
3 12	10 36.86	− 0 36.9	2.414	3.387	4.0	22.5
3 22	10 29.86	+ 0 29.5	2.464	3.399	6.8	22.7
4 1	10 24.37	+ 1 31.8	2.542	3.410	9.7	22.9

205224 2000 QT_{54} 2 29.4 79°14 2°3/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 16.87	+ 0 21.7	1.548	2.316	18.7	20.0
2 1	11 11.98	+ 0 19.6	1.486	2.344	14.9	19.8
2 11	11 4.35	+ 0 37.0	1.445	2.372	10.5	19.6
2 21	10 54.74	+ 1 11.1	1.428	2.400	5.7	19.4
3 2	10 44.31	+ 1 56.8	1.439	2.427	2.3	19.3
3 12	10 34.37	+ 2 46.6	1.477	2.454	5.5	19.5
3 22	10 26.05	+ 3 33.5	1.542	2.480	9.9	19.9
4 1	10 20.15	+ 4 11.9	1.631	2.506	13.7	20.1

366582 2002 TR_{159} 2 29.4 84°34 8°2/21.9 18

2020	α_{2000} (h m)	δ_{2000} (° ′)	Δ	r	β (°)	V (m)
1 22	11 15.35	+26 1.2	1.691	2.510	15.2	20.6
2 1	11 10.96	+27 37.6	1.642	2.526	12.2	20.4
2 11	11 3.75	+29 11.3	1.615	2.543	9.5	20.3
2 21	10 54.50	+30 31.3	1.614	2.559	8.2	20.3
3 2	10 44.35	+31 27.9	1.639	2.575	9.1	20.3
3 12	10 34.69	+31 55.4	1.690	2.591	11.5	20.5
3 22	10 26.67	+31 53.4	1.764	2.607	14.2	20.7
4 1	10 21.11	+31 24.8	1.858	2.622	16.8	20.9

426768 2013 TP_{104} 2 29.4 103°60 1°7/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.64	+ 0 18.6	2.104	2.864	14.6	21.5
2 1	11 5.90	+ 0 30.2	2.018	2.871	11.7	21.3
2 11	11 0.10	+ 0 57.6	1.954	2.879	8.3	21.1
2 21	10 52.78	+ 1 38.5	1.915	2.887	4.5	20.9
3 2	10 44.68	+ 2 28.9	1.905	2.894	1.7	20.7
3 12	10 36.72	+ 3 23.1	1.925	2.901	4.4	20.9
3 22	10 29.78	+ 4 15.3	1.972	2.908	8.2	21.2
4 1	10 24.52	+ 5 0.5	2.045	2.915	11.5	21.4

419342 2009 WX_{180} 2 29.4 138°41 2°8/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.24	+12 37.7	2.048	2.849	13.6	21.0
2 1	11 6.49	+13 33.0	1.968	2.852	10.5	20.8
2 11	11 0.57	+14 37.3	1.911	2.856	7.0	20.6
2 21	10 53.01	+15 44.4	1.881	2.859	3.6	20.4
3 2	10 44.64	+16 47.4	1.880	2.862	3.4	20.4
3 12	10 36.43	+17 39.5	1.908	2.865	6.6	20.6
3 22	10 29.29	+18 16.3	1.963	2.868	10.1	20.8
4 1	10 23.96	+18 35.8	2.042	2.871	13.2	21.0

135242 2001 SQ_{17} 2 29.4 200°30 2°3/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.63	+14 6.5	2.535	3.324	11.6	19.9
2 1	11 7.13	+14 35.2	2.444	3.322	9.0	19.8
2 11	11 0.78	+15 9.1	2.378	3.320	6.0	19.6
2 21	10 53.06	+15 43.7	2.340	3.317	3.1	19.4
3 2	10 44.63	+16 14.5	2.332	3.314	2.7	19.3
3 12	10 36.32	+16 37.1	2.354	3.311	5.5	19.5
3 22	10 28.89	+16 48.8	2.404	3.308	8.5	19.7
4 1	10 22.98	+16 48.0	2.480	3.304	11.3	19.9

456097 2006 BZ_{177} 2 29.4 197°13 3°1/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.02	+11 28.2	1.827	2.626	15.1	21.9
2 1	11 9.03	+12 38.1	1.740	2.624	11.7	21.7
2 11	11 2.52	+14 0.8	1.676	2.621	7.8	21.5
2 21	10 54.01	+15 29.0	1.639	2.617	4.0	21.2
3 2	10 44.43	+16 53.8	1.631	2.613	3.7	21.2
3 12	10 34.94	+18 6.3	1.651	2.608	7.4	21.4
3 22	10 26.65	+19 0.4	1.699	2.602	11.5	21.6
4 1	10 20.45	+19 33.1	1.769	2.596	15.0	21.8

224670 2006 AB_{42} 2 29.4 29°34 1°4/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.44	+10 52.9	1.360	2.175	18.5	19.4
2 1	11 10.51	+10 47.6	1.302	2.192	14.3	19.2
2 11	11 3.57	+10 52.3	1.263	2.210	9.6	19.0
2 21	10 54.44	+11 2.1	1.248	2.229	4.4	18.7
3 2	10 44.39	+11 10.9	1.259	2.249	1.9	18.6
3 12	10 34.89	+11 13.2	1.297	2.270	6.8	19.0
3 22	10 27.18	+11 5.3	1.359	2.291	11.4	19.3
4 1	10 22.09	+10 45.6	1.444	2.314	15.4	19.6

366881 2005 SD_{263} 2 29.4 179°07 0°2/29.1 13 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.24	+ 5 28.7	2.360	3.129	13.0	22.7
2 1	11 6.96	+ 6 4.0	2.266	3.131	10.2	22.5
2 11	11 0.75	+ 6 51.4	2.197	3.132	6.9	22.3
2 21	10 53.07	+ 7 47.4	2.154	3.133	3.2	22.1
3 2	10 44.64	+ 8 46.9	2.142	3.133	0.8	21.9
3 12	10 36.29	+ 9 44.3	2.160	3.132	4.6	22.2
3 22	10 28.83	+10 34.5	2.207	3.131	8.2	22.4
4 1	10 22.95	+11 13.8	2.280	3.129	11.4	22.6

144674 2004 FN_{131} 2 29.4 329°26 2°3/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.73	+11 13.5	1.498	2.314	17.0	19.7
2 1	11 7.80	+11 39.2	1.411	2.303	13.3	19.4
2 11	11 1.99	+12 16.8	1.346	2.294	8.9	19.2
2 21	10 53.87	+13 0.5	1.304	2.285	4.3	18.9
3 2	10 44.46	+13 42.7	1.289	2.276	2.9	18.7
3 12	10 35.16	+14 15.4	1.300	2.268	7.5	19.0
3 22	10 27.27	+14 33.0	1.336	2.261	12.2	19.2
4 1	10 21.82	+14 32.7	1.393	2.254	16.4	19.5

30185 2000 GT_{95} 2 29.4 320°92 4°1/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.94	− 2 52.7	1.534	2.307	18.6	16.9
2 1	11 5.61	− 3 13.4	1.436	2.292	15.4	16.6
2 11	11 0.56	− 3 12.4	1.356	2.278	11.5	16.4
2 21	10 53.25	− 2 49.3	1.299	2.264	7.3	16.1
3 2	10 44.57	− 2 6.4	1.267	2.250	4.2	15.9
3 12	10 35.82	− 1 9.9	1.261	2.238	6.2	15.9
3 22	10 28.28	− 0 8.2	1.279	2.225	10.6	16.1
4 1	10 23.01	+ 0 50.2	1.321	2.214	15.1	16.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
271145	2003 SV_{158}		2 29.4 112.°68	2.°0/ 2.8 18		
	h m	° ′			°	m
1 22	11 7.85	− 3 7.1	2.285	3.028	14.1	20.8
2 1	11 4.32	− 2 27.8	2.200	3.041	11.4	20.6
2 11	10 58.95	− 1 29.9	2.136	3.053	8.2	20.4
2 21	10 52.22	− 0 16.2	2.099	3.065	4.7	20.2
3 2	10 44.82	+ 1 8.6	2.091	3.078	2.0	20.1
3 12	10 37.57	+ 2 37.6	2.113	3.089	4.1	20.2
3 22	10 31.22	+ 4 4.1	2.164	3.101	7.5	20.5
4 1	10 26.40	+ 5 22.2	2.242	3.112	10.7	20.7
270563	2002 HS_{7}		2 29.4 215.°83	3.°3/25.6 18		
1 22	11 11.88	+16 38.5	2.560	3.353	11.4	21.2
2 1	11 7.41	+17 28.0	2.465	3.345	8.9	21.0
2 11	11 1.03	+18 22.3	2.396	3.337	6.1	20.8
2 21	10 53.21	+19 15.9	2.356	3.328	3.7	20.6
3 2	10 44.62	+20 3.3	2.345	3.318	3.8	20.6
3 12	10 36.09	+20 39.6	2.364	3.308	6.4	20.8
3 22	10 28.41	+21 1.5	2.411	3.298	9.3	20.9
4 1	10 22.26	+21 7.8	2.483	3.286	11.9	21.1
205249	2000 QY_{204}		2 29.4 139.°12	0.°1/29.4 18		
1 22	11 15.48	+ 5 26.1	1.899	2.673	15.5	21.6
2 1	11 10.63	+ 5 47.9	1.819	2.685	12.2	21.4
2 11	11 3.38	+ 6 23.5	1.761	2.697	8.2	21.2
2 21	10 54.34	+ 7 8.7	1.729	2.707	3.9	20.9
3 2	10 44.41	+ 7 58.1	1.727	2.718	0.7	20.7
3 12	10 34.73	+ 8 45.1	1.754	2.727	5.3	21.0
3 22	10 26.29	+ 9 24.4	1.809	2.736	9.4	21.3
4 1	10 19.90	+ 9 52.1	1.888	2.744	13.0	21.5
202556	2006 DQ_{210}		2 29.4 289.°77	1.°5/ 1.5 18		
1 22	11 11.54	+ 2 35.4	1.507	2.296	18.2	20.3
2 1	11 8.51	+ 2 34.6	1.410	2.282	14.7	20.1
2 11	11 2.57	+ 2 52.5	1.333	2.268	10.4	19.8
2 21	10 54.21	+ 3 27.2	1.279	2.254	5.4	19.4
3 2	10 44.41	+ 4 13.8	1.251	2.241	1.6	19.1
3 12	10 34.54	+ 5 5.0	1.249	2.227	6.1	19.4
3 22	10 25.97	+ 5 52.7	1.273	2.214	11.3	19.6
4 1	10 19.83	+ 6 30.3	1.320	2.200	15.9	19.9
136572	1981 EA_{14}		2 29.4 291.°13	3.°2/ 3.1 18		
1 22	11 8.43	− 3 3.8	1.687	2.451	17.6	19.8
2 1	11 5.70	− 2 58.3	1.589	2.441	14.4	19.6
2 11	11 0.43	− 2 30.1	1.511	2.432	10.6	19.3
2 21	10 53.12	− 1 40.2	1.457	2.423	6.4	19.0
3 2	10 44.63	− 0 32.3	1.428	2.414	3.3	18.8
3 12	10 36.13	+ 0 46.0	1.427	2.405	5.5	18.9
3 22	10 28.76	+ 2 5.9	1.453	2.396	9.9	19.2
4 1	10 23.48	+ 3 19.0	1.502	2.387	14.1	19.4
165159	2000 QP_{55}		2 29.4 190.°72	0.°8/28.6 18		
1 22	11 14.76	+ 7 20.0	2.139	2.913	14.0	22.1
2 1	11 9.96	+ 7 54.4	2.044	2.912	11.0	21.9
2 11	11 2.92	+ 8 40.8	1.972	2.910	7.4	21.6
2 21	10 54.15	+ 9 35.0	1.928	2.907	3.4	21.4
3 2	10 44.45	+10 31.4	1.913	2.903	1.3	21.2
3 12	10 34.83	+11 23.7	1.929	2.898	5.3	21.5
3 22	10 26.23	+12 6.6	1.973	2.893	9.2	21.7
4 1	10 19.46	+12 36.7	2.043	2.886	12.7	21.9
214955	2007 XK_{14}		2 29.4 250.°25	3.°2/ 3.1 16		
1 22	11 10.93	− 2 59.1	1.856	2.608	16.6	21.2
2 1	11 7.47	− 2 57.0	1.750	2.595	13.7	21.0
2 11	11 1.56	− 2 34.3	1.664	2.581	10.1	20.7
2 21	10 53.64	− 1 51.8	1.602	2.567	6.1	20.4
3 2	10 44.53	− 0 52.6	1.567	2.552	3.2	20.2
3 12	10 35.34	+ 0 17.0	1.561	2.537	5.4	20.3
3 22	10 27.16	+ 1 29.1	1.582	2.522	9.5	20.5
4 1	10 20.95	+ 2 36.2	1.628	2.506	13.5	20.7
367276	2007 TL_{239}		2 29.4 327.°90	5.°8/25.2 18		
1 22	11 13.19	+18 6.2	1.424	2.250	17.2	20.6
2 1	11 9.92	+19 3.7	1.347	2.244	13.5	20.4
2 11	11 3.51	+20 8.1	1.292	2.239	9.4	20.1
2 21	10 54.60	+21 9.9	1.261	2.233	6.2	19.9
3 2	10 44.36	+21 58.5	1.256	2.228	6.6	19.9
3 12	10 34.36	+22 25.3	1.276	2.224	10.2	20.1
3 22	10 25.99	+22 26.6	1.320	2.220	14.3	20.3
4 1	10 20.33	+22 2.8	1.383	2.216	18.1	20.6
162643	2000 SA_{198}		2 29.4 241.°50	1.°9/28.0 18		
1 22	11 15.57	+10 40.3	1.688	2.486	16.2	20.5
2 1	11 11.30	+11 3.4	1.596	2.477	12.7	20.2
2 11	11 4.21	+11 37.5	1.525	2.468	8.6	20.0
2 21	10 54.89	+12 17.5	1.479	2.459	4.0	19.7
3 2	10 44.31	+12 56.6	1.461	2.449	2.4	19.5
3 12	10 33.79	+13 27.7	1.471	2.439	6.8	19.8
3 22	10 24.59	+13 45.7	1.508	2.429	11.4	20.0
4 1	10 17.72	+13 48.0	1.567	2.418	15.5	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
142545	2002 TK_{52}		2 29.4 88.°79	0.°5/29.9 18		
	h m	° ′			°	m
1 22	11 12.16	+ 2 43.0	1.824	2.598	16.0	19.9
2 1	11 8.02	+ 3 18.6	1.755	2.621	12.6	19.8
2 11	11 1.58	+ 4 10.9	1.709	2.643	8.6	19.6
2 21	10 53.47	+ 5 15.8	1.689	2.665	4.1	19.3
3 2	10 44.61	+ 6 26.5	1.696	2.687	0.7	19.1
3 12	10 36.08	+ 7 35.5	1.733	2.709	5.0	19.5
3 22	10 28.81	+ 8 36.4	1.798	2.730	9.2	19.8
4 1	10 23.54	+ 9 24.3	1.887	2.750	12.7	20.0
58064	6220 P–L		2 29.4 68.°05	0.°3/29.7 18		
1 22	11 12.24	+ 4 57.5	1.681	2.469	16.7	19.6
2 1	11 8.40	+ 5 10.9	1.606	2.479	13.1	19.4
2 11	11 2.03	+ 5 39.4	1.552	2.490	8.9	19.1
2 21	10 53.75	+ 6 19.2	1.523	2.501	4.3	18.9
3 2	10 44.55	+ 7 4.6	1.521	2.512	0.7	18.6
3 12	10 35.61	+ 7 48.7	1.547	2.523	5.5	19.0
3 22	10 28.02	+ 8 25.6	1.600	2.534	9.9	19.3
4 1	10 22.59	+ 8 51.0	1.677	2.545	13.8	19.5
191312	2003 HX_{38}		2 29.4 298.°22	1.°5/ 1.4 17		
1 22	11 14.66	+ 4 23.4	1.799	2.575	16.2	20.2
2 1	11 10.67	+ 4 0.0	1.680	2.546	13.1	19.9
2 11	11 3.94	+ 3 48.4	1.583	2.516	9.3	19.6
2 21	10 54.87	+ 3 47.3	1.511	2.486	4.9	19.3
3 2	10 44.29	+ 3 54.0	1.467	2.456	1.5	19.0
3 12	10 33.43	+ 4 4.3	1.450	2.427	5.7	19.2
3 22	10 23.56	+ 4 13.5	1.461	2.397	10.5	19.4
4 1	10 15.82	+ 4 17.2	1.496	2.367	14.9	19.6
199593	2006 FB_{20}		2 29.4 32.°11	0.°5/29.8 17		
1 22	11 8.86	+ 3 55.0	2.057	2.834	14.4	20.7
2 1	11 5.41	+ 4 17.3	1.967	2.835	11.4	20.5
2 11	10 59.87	+ 4 53.7	1.900	2.836	7.8	20.3
2 21	10 52.73	+ 5 41.2	1.859	2.836	3.8	20.1
3 2	10 44.76	+ 6 34.8	1.846	2.837	0.7	19.8
3 12	10 36.89	+ 7 28.3	1.863	2.838	4.7	20.1
3 22	10 30.03	+ 8 16.2	1.906	2.839	8.7	20.4
4 1	10 24.88	+ 8 54.0	1.975	2.839	12.2	20.6
458766	2011 SR_{55}		2 29.4 63.°50	1.°2/28.4 18		
1 22	11 11.12	+ 6 21.4	1.402	2.209	18.4	21.8
2 1	11 7.96	+ 7 12.4	1.338	2.224	14.3	21.6
2 11	11 1.94	+ 8 21.8	1.294	2.240	9.5	21.3
2 21	10 53.76	+ 9 42.7	1.275	2.255	4.3	21.1
3 2	10 44.57	+11 5.4	1.281	2.271	1.9	20.9
3 12	10 35.76	+12 19.7	1.315	2.287	6.9	21.3
3 22	10 28.54	+13 17.8	1.374	2.302	11.6	21.6
4 1	10 23.79	+13 55.7	1.454	2.318	15.7	21.9
518157	2016 GO_{104}		2 29.4 159.°11	1.°7/ 2.0 17		
1 22	11 8.88	− 0 0.7	1.964	2.729	15.4	21.7
2 1	11 5.55	+ 0 19.5	1.873	2.730	12.4	21.5
2 11	11 0.03	+ 0 57.6	1.803	2.730	8.7	21.3
2 21	10 52.83	+ 1 51.3	1.759	2.731	4.7	21.0
3 2	10 44.73	+ 2 55.7	1.743	2.732	1.7	20.8
3 12	10 36.74	+ 4 4.3	1.755	2.732	4.7	21.0
3 22	10 29.77	+ 5 10.0	1.795	2.733	8.7	21.2
4 1	10 24.60	+ 6 6.9	1.860	2.733	12.4	21.5
464701	2002 NZ_{31}		2 29.4 235.°76	2.°1/ 2.7 17		
1 22	11 10.87	− 1 10.4	2.813	3.545	12.0	22.4
2 1	11 6.48	− 1 9.2	2.694	3.528	9.7	22.2
2 11	11 0.38	− 0 55.5	2.598	3.511	7.1	22.0
2 21	10 52.94	− 0 30.4	2.529	3.494	4.2	21.8
3 2	10 44.71	+ 0 4.0	2.490	3.475	2.1	21.6
3 12	10 36.43	+ 0 44.1	2.482	3.456	3.8	21.7
3 22	10 28.79	+ 1 25.7	2.504	3.437	6.9	21.9
4 1	10 22.43	+ 2 4.9	2.553	3.416	9.8	22.0
93299	2000 SC_{206}		2 29.4 100.°08	3.°8/26.1 18		
1 22	11 15.00	+16 47.0	1.978	2.779	14.0	20.0
2 1	11 10.17	+17 25.9	1.907	2.791	10.8	19.8
2 11	11 3.01	+18 9.0	1.860	2.803	7.4	19.6
2 21	10 54.14	+18 50.0	1.840	2.814	4.3	19.5
3 2	10 44.51	+19 22.5	1.849	2.825	4.3	19.5
3 12	10 35.19	+19 41.3	1.887	2.837	7.2	19.7
3 22	10 27.16	+19 43.9	1.951	2.848	10.6	19.9
4 1	10 21.15	+19 30.1	2.038	2.858	13.6	20.1
208505	2001 WA_{91}		2 29.4 153.°58	1.°4/27.8 18		
1 22	11 10.63	+11 15.4	2.781	3.561	10.9	21.0
2 1	11 6.14	+11 41.2	2.695	3.567	8.5	20.8
2 11	11 0.01	+12 13.2	2.633	3.573	5.6	20.6
2 21	10 52.69	+12 47.7	2.599	3.578	2.6	20.4
3 2	10 44.78	+13 20.8	2.596	3.583	1.8	20.4
3 12	10 37.02	+13 48.5	2.624	3.588	4.5	20.6
3 22	10 30.04	+14 7.9	2.681	3.592	7.5	20.8
4 1	10 24.41	+14 17.3	2.764	3.596	10.1	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
458309 2010 VC_{50}		2 29.4	30.°15	9.°6/23.8	18	
	h m	° ′			°	m
1 22	11 18.56	+27 51.5	1.257	2.089	18.7	20.4
2 1	11 14.17	+28 47.1	1.214	2.105	15.1	20.2
2 11	11 6.19	+29 35.3	1.191	2.123	11.7	20.0
2 21	10 55.67	+30 4.4	1.191	2.142	9.7	20.0
3 2	10 44.24	+30 4.8	1.214	2.162	10.3	20.1
3 12	10 33.72	+29 33.1	1.261	2.183	12.9	20.3
3 22	10 25.51	+28 32.0	1.330	2.204	16.1	20.5
4 1	10 20.45	+27 7.6	1.418	2.227	19.0	20.8
341297 2007 RB_{317}		2 29.4	183.°26	1.°0/28.3	17	
1 22	11 9.35	+ 8 29.0	2.289	3.074	12.8	21.4
2 1	11 5.58	+ 9 1.2	2.199	3.074	10.0	21.2
2 11	10 59.87	+ 9 43.5	2.133	3.074	6.7	21.0
2 21	10 52.70	+10 31.9	2.094	3.074	3.0	20.8
3 2	10 44.79	+11 21.2	2.084	3.073	1.5	20.6
3 12	10 36.98	+12 6.0	2.104	3.073	5.0	20.9
3 22	10 30.08	+12 42.0	2.152	3.072	8.5	21.1
4 1	10 24.77	+13 6.1	2.225	3.072	11.7	21.3
19593 Justinkoh		2 29.4	243.°01	0.°1/29.5	17	
1 22	11 8.05	+ 5 12.8	2.789	3.555	11.3	20.7
2 1	11 4.28	+ 5 38.2	2.680	3.542	8.9	20.5
2 11	10 58.88	+ 6 14.0	2.595	3.529	6.0	20.3
2 21	10 52.23	+ 6 57.4	2.537	3.515	2.9	20.0
3 2	10 44.88	+ 7 44.9	2.510	3.501	0.5	19.8
3 12	10 37.53	+ 8 31.8	2.514	3.486	3.9	20.1
3 22	10 30.84	+ 9 14.3	2.546	3.472	7.1	20.3
4 1	10 25.40	+ 9 48.9	2.606	3.457	10.0	20.4
423770 2006 DR_{145}		2 29.4	70.°34	0.°8/28.6	18	
1 22	11 9.46	+ 6 27.5	1.873	2.664	15.1	21.3
2 1	11 5.96	+ 7 13.3	1.802	2.679	11.7	21.1
2 11	11 0.24	+ 8 13.2	1.753	2.694	7.8	20.9
2 21	10 52.88	+ 9 21.8	1.730	2.710	3.5	20.7
3 2	10 44.77	+10 32.1	1.736	2.725	1.4	20.6
3 12	10 36.90	+11 36.9	1.770	2.741	5.5	20.9
3 22	10 30.21	+12 30.2	1.831	2.756	9.5	21.1
4 1	10 25.41	+13 8.5	1.917	2.772	12.9	21.4
451661 2012 XM_{152}		2 29.4	310.°61	4.°1/ 3.4	18	
1 22	11 10.51	− 3 29.9	1.431	2.202	19.8	21.0
2 1	11 7.74	− 3 40.2	1.344	2.199	16.3	20.7
2 11	11 2.04	− 3 25.5	1.275	2.196	12.1	20.5
2 21	10 53.96	− 2 46.2	1.228	2.193	7.5	20.2
3 2	10 44.54	− 1 45.8	1.206	2.191	4.1	20.0
3 12	10 35.17	− 0 32.3	1.211	2.188	6.3	20.1
3 22	10 27.22	+ 0 44.3	1.240	2.185	11.0	20.3
4 1	10 21.75	+ 1 54.5	1.292	2.183	15.5	20.6
208442 2001 TQ_{129}		2 29.4	60.°93	0.°1/29.5	18	
1 22	11 8.97	+ 5 7.7	2.156	2.934	13.8	20.6
2 1	11 5.28	+ 5 28.9	2.078	2.946	10.8	20.4
2 11	10 59.65	+ 6 2.3	2.022	2.959	7.3	20.2
2 21	10 52.58	+ 6 44.4	1.994	2.972	3.4	20.0
3 2	10 44.83	+ 7 30.6	1.994	2.984	0.6	19.8
3 12	10 37.28	+ 8 15.2	2.023	2.997	4.5	20.1
3 22	10 30.73	+ 8 53.7	2.080	3.010	8.2	20.4
4 1	10 25.83	+ 9 22.4	2.163	3.023	11.4	20.6
155407 1995 XB_{4}		2 29.4	248.°77	3.°3/ 3.8	17	
1 22	11 8.75	− 4 45.3	2.232	2.966	14.6	20.8
2 1	11 5.30	− 4 41.0	2.123	2.954	12.1	20.6
2 11	10 59.84	− 4 18.2	2.035	2.942	9.1	20.4
2 21	10 52.77	− 3 37.4	1.972	2.930	5.8	20.2
3 2	10 44.78	− 2 41.4	1.936	2.917	3.4	20.0
3 12	10 36.75	− 1 35.1	1.930	2.904	4.7	20.1
3 22	10 29.55	− 0 25.1	1.953	2.891	8.1	20.2
4 1	10 23.94	+ 0 42.4	2.001	2.878	11.5	20.4
374535 2006 AL_{104}		2 29.4	103.°42	1.°1/28.3	17	
1 22	11 9.01	+ 7 19.2	2.009	2.799	14.2	21.3
2 1	11 5.57	+ 8 5.8	1.926	2.804	11.1	21.1
2 11	10 59.98	+ 9 5.5	1.867	2.808	7.4	20.8
2 21	10 52.80	+10 13.4	1.833	2.813	3.3	20.6
3 2	10 44.79	+11 22.8	1.829	2.818	1.6	20.5
3 12	10 36.93	+12 26.8	1.854	2.823	5.5	20.7
3 22	10 30.13	+13 19.6	1.906	2.827	9.4	21.0
4 1	10 25.09	+13 57.6	1.982	2.832	12.7	21.2
86311 1999 VE_{126}		2 29.4	265.°50	0.°6/28.8	17	
1 22	11 7.81	+ 7 30.1	2.553	3.332	11.8	20.4
2 1	11 4.22	+ 7 56.4	2.454	3.325	9.2	20.2
2 11	10 58.90	+ 8 32.4	2.378	3.317	6.2	20.0
2 21	10 52.25	+ 9 14.8	2.330	3.310	2.8	19.7
3 2	10 44.90	+ 9 59.2	2.312	3.302	1.0	19.6
3 12	10 37.59	+10 41.1	2.324	3.294	4.4	19.8
3 22	10 31.05	+11 16.3	2.364	3.286	7.7	20.0
4 1	10 25.89	+11 41.8	2.430	3.279	10.7	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
310185 2011 SV_{80}		2 29.4	57.°36	0.°8/29.9	18	
	h m	° ′			°	m
1 22	11 14.74	+ 3 44.2	1.310	2.107	20.0	21.6
2 1	11 10.79	+ 3 56.1	1.255	2.133	15.7	21.4
2 11	11 3.79	+ 4 27.5	1.219	2.158	10.7	21.2
2 21	10 54.60	+ 5 13.7	1.206	2.184	5.2	20.9
3 2	10 44.48	+ 6 7.2	1.219	2.210	1.0	20.7
3 12	10 34.93	+ 6 59.1	1.259	2.236	6.2	21.1
3 22	10 27.21	+ 7 42.1	1.324	2.262	11.1	21.5
4 1	10 22.16	+ 8 11.4	1.411	2.289	15.3	21.8
378836 2008 SK_{283}		2 29.4	73.°41	0.°2/29.6	17	
1 22	11 9.93	+ 5 10.6	2.050	2.830	14.3	21.7
2 1	11 6.22	+ 5 29.4	1.965	2.834	11.3	21.5
2 11	11 0.40	+ 6 1.1	1.901	2.838	7.7	21.3
2 21	10 52.99	+ 6 42.4	1.864	2.842	3.6	21.1
3 2	10 44.77	+ 7 28.3	1.856	2.847	0.6	20.8
3 12	10 36.69	+ 8 13.0	1.876	2.851	4.8	21.2
3 22	10 29.65	+ 8 51.5	1.925	2.855	8.7	21.4
4 1	10 24.37	+ 9 20.0	1.998	2.860	12.1	21.6
32333 2000 QQ_{71}		2 29.4	115.°30	0.°9/ 1.4	18	
1 22	11 8.61	+ 2 33.5	2.589	3.347	12.2	19.3
2 1	11 4.69	+ 2 50.5	2.502	3.357	9.7	19.2
2 11	10 59.11	+ 3 19.3	2.439	3.367	6.7	19.0
2 21	10 52.30	+ 3 57.3	2.403	3.377	3.4	18.8
3 2	10 44.90	+ 4 41.0	2.396	3.386	0.9	18.6
3 12	10 37.64	+ 5 25.9	2.420	3.396	3.8	18.8
3 22	10 31.18	+ 6 7.7	2.473	3.405	7.0	19.0
4 1	10 26.09	+ 6 42.9	2.553	3.414	9.8	19.2
149575 2004 BA_{37}		2 29.4	291.°44	1.°4/28.5	18	
1 22	11 11.27	+ 7 35.0	1.320	2.134	18.9	20.4
2 1	11 8.80	+ 8 6.3	1.226	2.117	15.0	20.1
2 11	11 3.09	+ 8 56.8	1.152	2.099	10.2	19.8
2 21	10 54.60	+10 1.4	1.101	2.082	4.7	19.4
3 2	10 44.42	+11 11.3	1.075	2.065	2.1	19.2
3 12	10 34.12	+12 15.6	1.075	2.047	7.8	19.5
3 22	10 25.29	+13 5.1	1.098	2.030	13.5	19.7
4 1	10 19.23	+13 33.9	1.142	2.014	18.5	20.0
357340 2003 QN_{13}		2 29.4	181.°89	0.°4/28.9	18	
1 22	11 10.96	+ 3 37.8	2.069	2.841	14.5	21.4
2 1	11 7.09	+ 4 43.1	1.976	2.842	11.4	21.1
2 11	11 1.05	+ 6 5.9	1.906	2.843	7.7	20.9
2 21	10 53.33	+ 7 41.4	1.864	2.842	3.5	20.7
3 2	10 44.70	+ 9 22.4	1.851	2.842	1.0	20.5
3 12	10 36.15	+11 0.3	1.869	2.840	5.3	20.8
3 22	10 28.59	+12 27.5	1.916	2.838	9.3	21.0
4 1	10 22.79	+13 38.7	1.988	2.835	12.8	21.2
341546 2007 UG_{3}		2 29.4	123.°43	0.°7/28.5	17	
1 22	11 8.77	+ 7 14.6	2.588	3.363	11.8	21.6
2 1	11 4.81	+ 7 55.0	2.506	3.375	9.1	21.4
2 11	10 59.18	+ 8 45.1	2.449	3.387	6.1	21.3
2 21	10 52.34	+ 9 41.2	2.420	3.399	2.7	21.1
3 2	10 44.91	+10 38.4	2.421	3.410	1.1	20.9
3 12	10 37.63	+11 31.7	2.452	3.421	4.4	21.2
3 22	10 31.17	+12 17.0	2.513	3.432	7.5	21.4
4 1	10 26.10	+12 51.4	2.599	3.442	10.3	21.6
34464 2000 SC_{101}		2 29.4	167.°80	4.°5/ 5.4	18	
1 22	11 8.36	− 8 25.6	2.572	3.276	13.6	19.1
2 1	11 4.64	− 8 46.4	2.472	3.277	11.5	18.9
2 11	10 59.18	− 8 50.7	2.393	3.277	9.0	18.8
2 21	10 52.39	− 8 38.3	2.339	3.278	6.4	18.6
3 2	10 44.90	− 8 10.4	2.312	3.278	4.6	18.5
3 12	10 37.44	− 7 30.2	2.315	3.278	5.0	18.5
3 22	10 30.75	− 6 42.3	2.346	3.279	7.2	18.7
4 1	10 25.45	− 5 51.8	2.403	3.279	9.8	18.8
181164 2005 SQ_{16}		2 29.4	297.°00	1.°5/ 2.1	17	
1 22	11 6.66	+ 0 35.2	2.427	3.185	13.0	20.7
2 1	11 3.44	+ 0 50.0	2.326	3.179	10.4	20.5
2 11	10 58.43	+ 1 18.8	2.247	3.172	7.4	20.3
2 21	10 52.07	+ 1 59.8	2.195	3.166	4.0	20.1
3 2	10 44.97	+ 2 49.4	2.171	3.160	1.5	19.9
3 12	10 37.90	+ 3 42.7	2.177	3.154	4.0	20.0
3 22	10 31.61	+ 4 34.7	2.211	3.147	7.4	20.3
4 1	10 26.73	+ 5 20.7	2.272	3.141	10.6	20.4
194183 2001 TJ_{62}		2 29.4	59.°68	3.°9/26.8	18	
1 22	11 15.57	+13 31.3	1.276	2.099	19.0	19.7
2 1	11 11.67	+14 20.6	1.222	2.117	14.7	19.5
2 11	11 4.52	+15 20.4	1.188	2.136	9.8	19.3
2 21	10 54.99	+16 21.4	1.177	2.156	5.2	19.1
3 2	10 44.44	+17 13.3	1.193	2.175	4.6	19.1
3 12	10 34.49	+17 47.7	1.234	2.195	8.8	19.4
3 22	10 26.49	+18 0.6	1.299	2.215	13.3	19.7
4 1	10 21.32	+17 51.7	1.385	2.235	17.2	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
243419 2009 BT_{169}			2 29.4 121°.71	5°.2/22.2 18		
	h m	° ′			°	m
1 22	11 9.81	+22 18.4	2.632	3.436	10.8	20.7
2 1	11 5.73	+23 55.4	2.570	3.451	8.5	20.5
2 11	10 59.86	+25 33.3	2.534	3.465	6.3	20.4
2 21	10 52.68	+27 5.0	2.528	3.480	5.2	20.4
3 2	10 44.87	+28 23.9	2.551	3.494	5.9	20.4
3 12	10 37.22	+29 24.8	2.604	3.507	7.9	20.6
3 22	10 30.45	+30 5.3	2.683	3.520	10.1	20.7
4 1	10 25.19	+30 25.4	2.784	3.533	12.1	20.9
50955 2000 GJ_{79}			2 29.4 70°.52	4°.4/26.0 18		
1 22	11 15.62	+16 43.9	1.634	2.446	16.0	18.5
2 1	11 11.08	+17 30.8	1.574	2.463	12.4	18.3
2 11	11 3.82	+18 22.9	1.536	2.480	8.4	18.1
2 21	10 54.60	+19 12.3	1.524	2.498	5.0	17.9
3 2	10 44.52	+19 51.0	1.539	2.515	5.0	18.0
3 12	10 34.91	+20 12.9	1.581	2.532	8.2	18.2
3 22	10 26.88	+20 15.3	1.649	2.549	11.9	18.4
4 1	10 21.23	+19 58.5	1.738	2.566	15.2	18.7
413796 2006 HH_{151}			2 29.4 279°.11	0°.9/28.7 14 C		
1 22	11 12.01	+ 7 0.6	1.631	2.427	16.7	22.0
2 1	11 8.80	+ 7 29.1	1.525	2.405	13.3	21.7
2 11	11 2.78	+ 8 14.1	1.440	2.383	9.0	21.4
2 21	10 54.38	+ 9 11.6	1.380	2.360	4.2	21.0
3 2	10 44.51	+10 14.5	1.347	2.337	1.5	20.8
3 12	10 34.46	+11 14.3	1.341	2.313	6.7	21.1
3 22	10 25.56	+12 3.2	1.361	2.290	11.7	21.3
4 1	10 18.94	+12 35.8	1.404	2.266	16.3	21.5
16020 Tevelde			2 29.4 231°.44	0°.8/ 1.1 18		
1 22	11 11.83	+ 2 7.5	1.825	2.598	16.1	19.2
2 1	11 8.20	+ 2 38.2	1.724	2.587	12.9	18.9
2 11	11 2.08	+ 3 27.9	1.644	2.577	9.0	18.6
2 21	10 53.93	+ 4 33.5	1.589	2.565	4.5	18.3
3 2	10 44.61	+ 5 49.2	1.563	2.553	0.9	18.0
3 12	10 35.26	+ 7 7.0	1.565	2.540	5.4	18.3
3 22	10 26.97	+ 8 18.8	1.595	2.527	10.0	18.6
4 1	10 20.71	+ 9 18.2	1.649	2.514	14.1	18.8
420842 2013 JE_{37}			2 29.4 282°.79	1°.2/28.4 17		
1 22	11 10.64	+ 7 20.7	1.637	2.437	16.5	21.5
2 1	11 7.67	+ 7 58.0	1.535	2.417	13.0	21.2
2 11	11 1.97	+ 8 52.2	1.453	2.397	8.8	20.9
2 21	10 53.98	+ 9 58.6	1.397	2.377	4.1	20.6
3 2	10 44.61	+11 9.8	1.367	2.356	1.8	20.4
3 12	10 35.11	+12 16.6	1.365	2.336	6.8	20.6
3 22	10 26.76	+13 11.2	1.389	2.315	11.7	20.8
4 1	10 20.65	+13 48.0	1.435	2.295	16.1	21.1
228397 2001 CK_{21}			2 29.4 32°.68	1°.0/ 1.1 18		
1 22	11 13.98	+ 5 39.1	1.468	2.264	18.2	19.9
2 1	11 10.00	+ 5 18.2	1.403	2.281	14.4	19.6
2 11	11 3.22	+ 5 11.2	1.360	2.298	9.9	19.4
2 21	10 54.36	+ 5 15.4	1.339	2.317	4.9	19.2
3 2	10 44.59	+ 5 26.3	1.346	2.336	1.1	18.9
3 12	10 35.25	+ 5 38.5	1.379	2.356	5.7	19.3
3 22	10 27.52	+ 5 46.9	1.438	2.377	10.3	19.6
4 1	10 22.24	+ 5 48.0	1.519	2.398	14.3	19.9
223632 2004 JD_{56}			2 29.4 233°.98	1°.5/ 2.0 17		
1 22	11 8.83	− 0 53.3	2.186	2.939	14.3	21.0
2 1	11 5.42	− 0 16.2	2.078	2.929	11.6	20.8
2 11	10 59.95	+ 0 39.8	1.993	2.917	8.2	20.6
2 21	10 52.86	+ 1 52.1	1.934	2.906	4.5	20.3
3 2	10 44.84	+ 3 16.0	1.904	2.894	1.5	20.1
3 12	10 36.80	+ 4 44.6	1.905	2.881	4.5	20.3
3 22	10 29.61	+ 6 10.3	1.933	2.868	8.4	20.5
4 1	10 24.03	+ 7 26.9	1.989	2.855	12.0	20.7
496281 2012 UO_{60}			2 29.4 101°.28	1°.3/ 2.3 17		
1 22	11 7.20	− 2 48.9	2.629	3.364	12.6	21.6
2 1	11 3.57	− 1 43.8	2.544	3.383	10.1	21.4
2 11	10 58.34	− 0 21.6	2.483	3.401	7.1	21.3
2 21	10 51.97	+ 1 14.3	2.450	3.419	3.9	21.1
3 2	10 45.04	+ 2 58.6	2.448	3.437	1.3	20.9
3 12	10 38.26	+ 4 44.4	2.478	3.454	3.6	21.1
3 22	10 32.27	+ 6 25.4	2.539	3.471	6.8	21.3
4 1	10 27.59	+ 7 56.2	2.628	3.488	9.6	21.5
7584 Ossietzky			2 29.4 58°.61	1°.4/28.1 18		
1 22	11 9.35	+ 8 46.3	1.966	2.761	14.3	17.7
2 1	11 5.86	+ 9 25.6	1.887	2.768	11.1	17.5
2 11	11 0.21	+10 16.4	1.831	2.775	7.4	17.3
2 21	10 52.93	+11 13.7	1.802	2.782	3.4	17.0
3 2	10 44.85	+12 11.1	1.801	2.789	1.9	16.9
3 12	10 36.96	+13 2.1	1.828	2.796	5.7	17.2
3 22	10 30.17	+13 41.7	1.883	2.804	9.5	17.4
4 1	10 25.19	+14 6.8	1.961	2.811	12.9	17.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
431839 2008 SO_{41}			2 29.4 140°.96	0°.4/28.9 17		
	h m	° ′			°	m
1 22	11 11.26	+ 6 55.2	2.232	3.010	13.4	22.2
2 1	11 7.07	+ 7 19.2	2.146	3.016	10.4	22.0
2 11	11 0.89	+ 7 54.0	2.084	3.022	7.0	21.8
2 21	10 53.22	+ 8 36.1	2.049	3.027	3.2	21.6
3 2	10 44.80	+ 9 20.5	2.042	3.033	0.9	21.4
3 12	10 36.53	+10 1.9	2.066	3.038	4.8	21.7
3 22	10 29.24	+10 36.0	2.118	3.042	8.4	21.9
4 1	10 23.61	+10 59.6	2.195	3.047	11.6	22.1
396785 2004 FS_{43}			2 29.4 242°.06	3°.7/26.6 18		
1 22	11 16.73	+14 8.7	1.676	2.479	16.0	21.8
2 1	11 12.39	+14 54.9	1.580	2.466	12.6	21.5
2 11	11 5.12	+15 51.2	1.507	2.451	8.6	21.2
2 21	10 55.43	+16 50.4	1.459	2.436	4.7	21.0
3 2	10 44.36	+17 43.9	1.440	2.420	4.4	20.9
3 12	10 33.27	+18 23.3	1.448	2.404	8.3	21.1
3 22	10 23.51	+18 43.4	1.481	2.387	12.7	21.3
4 1	10 16.17	+18 42.4	1.537	2.370	16.6	21.5
330086 2005 WZ_{89}			2 29.4 157°.32	7°.4/21.8 18		
1 22	11 15.19	+27 16.6	2.082	2.889	13.2	20.8
2 1	11 10.51	+28 36.7	2.017	2.893	10.7	20.6
2 11	11 3.38	+29 54.0	1.975	2.897	8.5	20.5
2 21	10 54.42	+30 59.9	1.960	2.900	7.4	20.4
3 2	10 44.58	+31 46.4	1.973	2.903	8.2	20.5
3 12	10 35.02	+32 8.4	2.012	2.906	10.3	20.6
3 22	10 26.76	+32 4.9	2.075	2.908	12.8	20.8
4 1	10 20.60	+31 37.8	2.160	2.910	15.1	20.9
462070 2007 EH_{138}			2 29.4 75°.36	1°.0/28.6 18		
1 22	11 16.14	+ 9 25.1	1.755	2.545	15.9	21.5
2 1	11 11.23	+ 9 35.6	1.687	2.564	12.4	21.3
2 11	11 3.82	+ 9 56.2	1.642	2.583	8.3	21.1
2 21	10 54.59	+10 22.2	1.622	2.602	3.8	20.9
3 2	10 44.56	+10 48.0	1.631	2.620	1.5	20.8
3 12	10 34.93	+11 8.3	1.668	2.639	5.8	21.1
3 22	10 26.72	+11 19.2	1.733	2.658	9.9	21.4
4 1	10 20.72	+11 18.5	1.821	2.676	13.5	21.6
280130 2002 LP_{29}			2 29.4 305°.42	1°.4/28.3 17		
1 22	11 7.99	+ 6 52.4	1.438	2.250	17.8	20.7
2 1	11 5.95	+ 7 36.0	1.340	2.230	14.1	20.4
2 11	11 1.01	+ 8 39.7	1.263	2.210	9.5	20.1
2 21	10 53.60	+ 9 58.6	1.209	2.190	4.4	19.7
3 2	10 44.70	+11 23.7	1.181	2.171	2.1	19.5
3 12	10 35.67	+12 44.1	1.180	2.152	7.4	19.8
3 22	10 27.92	+13 50.0	1.202	2.133	12.8	20.0
4 1	10 22.63	+14 35.0	1.246	2.115	17.5	20.2
273091 2006 EX_{47}			2 29.4 31°.53	4°.8/26.6 18		
1 22	11 16.51	+18 8.8	1.326	2.152	18.2	20.2
2 1	11 12.18	+18 29.7	1.278	2.173	14.1	20.0
2 11	11 4.70	+18 53.6	1.250	2.196	9.6	19.8
2 21	10 55.02	+19 12.3	1.245	2.220	5.7	19.7
3 2	10 44.50	+19 18.5	1.266	2.245	5.4	19.7
3 12	10 34.73	+19 7.1	1.314	2.271	8.9	20.0
3 22	10 26.93	+18 37.4	1.385	2.297	12.9	20.3
4 1	10 21.91	+17 51.1	1.477	2.324	16.4	20.6
344274 2001 TQ_{50}			2 29.4 172°.19	3°.8/24.1 18		
1 22	11 11.45	+21 28.3	3.227	4.017	9.3	22.2
2 1	11 6.63	+22 18.7	3.146	4.021	7.3	22.0
2 11	11 0.30	+23 9.7	3.092	4.024	5.3	21.9
2 21	10 52.87	+23 56.6	3.067	4.027	3.9	21.8
3 2	10 44.90	+24 35.0	3.073	4.029	4.2	21.8
3 12	10 37.05	+25 1.6	3.108	4.031	6.0	22.0
3 22	10 29.93	+25 14.6	3.172	4.032	8.1	22.1
4 1	10 24.05	+25 13.6	3.261	4.032	10.1	22.2
429299 2010 CV_{229}			2 29.4 108°.51	10°.4/17.1 17		
1 22	11 22.47	+43 32.8	2.439	3.204	12.7	21.0
2 1	11 16.08	+44 44.5	2.393	3.209	11.4	20.9
2 11	11 7.01	+45 41.7	2.369	3.214	10.6	20.9
2 21	10 56.04	+46 16.4	2.370	3.219	10.5	20.9
3 2	10 44.32	+46 22.6	2.395	3.224	11.2	20.9
3 12	10 33.15	+45 58.5	2.444	3.230	12.4	21.0
3 22	10 23.66	+45 6.2	2.513	3.235	13.9	21.1
4 1	10 16.58	+43 50.0	2.602	3.239	15.2	21.3
221654 2007 CZ			2 29.4 52°.21	0°.7/28.8 18		
1 22	11 9.42	+ 6 12.3	1.741	2.535	15.9	20.6
2 1	11 6.24	+ 6 52.3	1.661	2.540	12.4	20.4
2 11	11 0.64	+ 7 47.9	1.603	2.545	8.3	20.1
2 21	10 53.20	+ 8 54.0	1.570	2.550	3.8	19.9
3 2	10 44.83	+10 3.4	1.565	2.555	1.3	19.7
3 12	10 36.63	+11 8.2	1.588	2.561	5.8	20.0
3 22	10 29.65	+12 1.7	1.638	2.566	10.1	20.3
4 1	10 24.70	+12 39.7	1.711	2.572	13.9	20.5

360225 1999 TV_{115} 2 29.4 138.°87 2.°8/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 12.74	− 4 1.1	2.210	2.940	14.9	21.8
2 1	11 8.21	− 3 42.9	2.124	2.955	12.1	21.6
2 11	11 1.65	− 3 6.2	2.059	2.969	8.9	21.4
2 21	10 53.58	− 2 12.8	2.021	2.983	5.4	21.2
3 2	10 44.77	− 1 6.6	2.012	2.995	2.8	21.1
3 12	10 36.12	+ 0 6.4	2.033	3.007	4.5	21.2
3 22	10 28.49	+ 1 19.6	2.083	3.018	7.8	21.4
4 1	10 22.56	+ 2 27.0	2.160	3.029	11.1	21.7

125569 2001 XG_{18} 2 29.4 101.°92 3.°6/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 18.06	+14 13.9	1.604	2.408	16.6	20.2
2 1	11 13.02	+15 0.6	1.542	2.427	12.8	20.0
2 11	11 5.17	+15 55.2	1.502	2.446	8.6	19.8
2 21	10 55.26	+16 50.0	1.487	2.464	4.6	19.6
3 2	10 44.46	+17 36.5	1.500	2.481	4.2	19.6
3 12	10 34.12	+18 7.9	1.542	2.498	7.8	19.9
3 22	10 25.43	+18 20.9	1.609	2.515	11.8	20.2
4 1	10 19.21	+18 14.9	1.698	2.531	15.3	20.4

364784 2008 AS_{6} 2 29.4 7.°79 4.°7/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.82	+14 32.0	1.407	2.235	17.3	20.4
2 1	11 7.22	+15 43.1	1.336	2.235	13.4	20.2
2 11	11 1.66	+17 5.7	1.286	2.236	9.1	19.9
2 21	10 53.79	+18 30.3	1.261	2.237	5.4	19.7
3 2	10 44.72	+19 45.6	1.261	2.239	5.6	19.7
3 12	10 35.90	+20 41.8	1.287	2.241	9.4	19.9
3 22	10 28.64	+21 13.2	1.337	2.244	13.7	20.2
4 1	10 23.92	+21 18.6	1.407	2.247	17.5	20.4

375462 2008 TQ_{151} 2 29.4 146.°30 1.°3/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.41	+ 9 5.6	2.216	3.003	13.2	21.4
2 1	11 6.46	+ 9 43.1	2.131	3.007	10.2	21.2
2 11	11 0.51	+10 30.7	2.070	3.012	6.8	21.0
2 21	10 53.07	+11 24.0	2.036	3.016	3.1	20.8
3 2	10 44.87	+12 17.2	2.031	3.019	1.8	20.7
3 12	10 36.81	+13 4.7	2.056	3.023	5.3	20.9
3 22	10 29.72	+13 41.9	2.109	3.026	8.8	21.1
4 1	10 24.29	+14 6.2	2.186	3.029	12.0	21.3

8225 Emerson 2 29.4 180.°42 0.°2/29.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.22	+ 6 6.7	2.927	3.691	10.8	19.9
2 1	11 5.04	+ 6 36.9	2.830	3.692	8.5	19.8
2 11	10 59.32	+ 7 16.3	2.758	3.693	5.7	19.6
2 21	10 52.45	+ 8 2.0	2.715	3.693	2.6	19.4
3 2	10 44.99	+ 8 50.2	2.702	3.692	0.6	19.2
3 12	10 37.60	+ 9 36.7	2.720	3.692	3.8	19.5
3 22	10 30.89	+10 17.7	2.769	3.690	6.8	19.7
4 1	10 25.42	+10 50.4	2.844	3.688	9.5	19.8

10890 1997 AY_{2} 2 29.4 128.°54 3.°5/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.96	+18 20.8	2.883	3.677	10.2	18.6
2 1	11 5.61	+19 19.3	2.812	3.691	7.9	18.4
2 11	10 59.66	+20 20.3	2.767	3.705	5.5	18.3
2 21	10 52.58	+21 18.6	2.752	3.719	3.7	18.2
3 2	10 44.97	+22 9.3	2.766	3.732	4.0	18.2
3 12	10 37.53	+22 48.4	2.811	3.745	6.0	18.4
3 22	10 30.90	+23 13.4	2.883	3.757	8.3	18.6
4 1	10 25.59	+23 23.7	2.981	3.769	10.5	18.7

495513 2014 UC_{217} 2 29.4 139.°65 3.°9/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.39	+13 37.7	1.968	2.773	13.9	20.7
2 1	11 6.77	+15 9.4	1.893	2.780	10.7	20.5
2 11	11 0.89	+16 51.2	1.842	2.787	7.2	20.3
2 21	10 53.30	+18 34.9	1.819	2.794	4.3	20.1
3 2	10 44.83	+20 11.4	1.826	2.800	4.6	20.1
3 12	10 36.53	+21 32.3	1.861	2.806	7.7	20.3
3 22	10 29.35	+22 32.4	1.923	2.811	11.1	20.6
4 1	10 24.05	+23 9.7	2.007	2.816	14.2	20.8

311271 2005 EZ_{193} 2 29.4 33.°65 1.°2/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.27	+ 2 9.7	1.331	2.132	19.5	21.0
2 1	11 6.76	+ 2 26.7	1.262	2.141	15.5	20.7
2 11	11 1.31	+ 3 5.8	1.212	2.151	10.8	20.5
2 21	10 53.60	+ 4 3.1	1.184	2.161	5.4	20.2
3 2	10 44.78	+ 5 11.2	1.182	2.172	1.2	19.9
3 12	10 36.25	+ 6 20.3	1.205	2.184	6.1	20.3
3 22	10 29.31	+ 7 21.5	1.254	2.196	11.2	20.6
4 1	10 24.89	+ 8 8.0	1.324	2.209	15.6	20.9

219819 2002 BE_{24} 2 29.4 23.°60 1.°9/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 18.70	+13 18.1	1.418	2.228	18.1	19.3
2 1	11 13.91	+12 56.9	1.349	2.237	14.2	19.1
2 11	11 5.99	+12 41.7	1.301	2.246	9.5	18.9
2 21	10 55.72	+12 27.8	1.277	2.257	4.5	18.6
3 2	10 44.40	+12 10.4	1.280	2.269	2.3	18.5
3 12	10 33.57	+11 45.4	1.310	2.281	7.0	18.8
3 22	10 24.56	+11 11.1	1.365	2.294	11.7	19.1
4 1	10 18.30	+10 27.2	1.443	2.308	15.7	19.4

70480 1999 TU_{41} 2 29.4 146.°42 0.°1/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 13.70	+ 4 35.1	2.044	2.814	14.7	20.6
2 1	11 9.15	+ 5 6.5	1.961	2.825	11.5	20.4
2 11	11 2.38	+ 5 52.0	1.900	2.835	7.8	20.2
2 21	10 53.96	+ 6 47.7	1.866	2.844	3.7	20.0
3 2	10 44.72	+ 7 47.9	1.862	2.853	0.7	19.7
3 12	10 35.66	+ 8 46.1	1.887	2.861	4.9	20.1
3 22	10 27.71	+ 9 36.6	1.941	2.868	8.9	20.3
4 1	10 21.61	+10 15.5	2.020	2.875	12.4	20.6

53585 2000 CF_{52} 2 29.4 51.°17 0.°7/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.93	+ 4 1.2	1.244	2.050	20.4	18.9
2 1	11 9.80	+ 4 11.8	1.178	2.061	16.1	18.7
2 11	11 3.45	+ 4 43.0	1.131	2.073	11.1	18.4
2 21	10 54.63	+ 5 30.4	1.106	2.085	5.4	18.2
3 2	10 44.59	+ 6 26.5	1.106	2.097	1.0	17.9
3 12	10 34.96	+ 7 21.6	1.132	2.110	6.6	18.3
3 22	10 27.11	+ 8 7.4	1.182	2.123	11.9	18.6
4 1	10 22.06	+ 8 38.3	1.254	2.136	16.5	18.9

137100 1998 YM_{7} 2 29.4 150.°10 1.°2/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 16.70	+ 3 19.3	2.267	3.019	13.9	18.9
2 1	11 11.23	+ 3 14.5	2.178	3.029	11.1	18.7
2 11	11 3.66	+ 3 21.2	2.113	3.039	7.7	18.5
2 21	10 54.53	+ 3 37.4	2.074	3.047	4.0	18.3
3 2	10 44.62	+ 3 59.9	2.066	3.056	1.2	18.1
3 12	10 34.88	+ 4 24.4	2.088	3.063	4.4	18.3
3 22	10 26.18	+ 4 47.0	2.140	3.070	8.0	18.6
4 1	10 19.23	+ 5 4.0	2.218	3.076	11.3	18.8

502275 2015 BQ_{130} 2 29.4 29.°39 0.°6/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.80	+ 4 44.2	1.855	2.638	15.5	21.1
2 1	11 7.16	+ 4 49.5	1.771	2.641	12.3	20.9
2 11	11 1.19	+ 5 8.4	1.709	2.645	8.4	20.7
2 21	10 53.46	+ 5 38.0	1.672	2.650	4.1	20.4
3 2	10 44.82	+ 6 13.5	1.663	2.654	0.8	20.2
3 12	10 36.35	+ 6 49.3	1.683	2.659	5.0	20.5
3 22	10 29.04	+ 7 20.0	1.729	2.664	9.2	20.7
4 1	10 23.67	+ 7 41.6	1.800	2.669	12.9	21.0

271125 2003 SK_{47} 2 29.4 130.°16 1.°8/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.66	− 0 21.2	2.281	3.032	13.9	20.7
2 1	11 5.80	− 0 8.0	2.192	3.040	11.2	20.5
2 11	11 0.04	+ 0 20.4	2.125	3.047	7.9	20.3
2 21	10 52.85	+ 1 2.0	2.085	3.054	4.4	20.1
3 2	10 44.94	+ 1 52.9	2.073	3.061	1.8	19.9
3 12	10 37.15	+ 2 47.8	2.091	3.067	4.2	20.1
3 22	10 30.27	+ 3 41.5	2.138	3.074	7.6	20.3
4 1	10 24.96	+ 4 29.1	2.210	3.080	10.8	20.5

117374 2004 XQ_{147} 2 29.4 39.°85 1.°4/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.50	+ 2 40.4	1.280	2.082	20.1	19.7
2 1	11 8.56	+ 2 42.5	1.215	2.095	16.0	19.5
2 11	11 2.53	+ 3 5.6	1.170	2.108	11.1	19.3
2 21	10 54.18	+ 3 46.1	1.146	2.123	5.7	19.0
3 2	10 44.71	+ 4 37.3	1.148	2.138	1.5	18.7
3 12	10 35.63	+ 5 30.3	1.175	2.153	6.2	19.1
3 22	10 28.27	+ 6 16.8	1.226	2.170	11.3	19.4
4 1	10 23.57	+ 6 50.9	1.300	2.186	15.7	19.7

174241 2002 RE_{145} 2 29.4 337.°37 2.°7/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.57	+13 8.9	1.413	2.230	17.8	19.0
2 1	11 11.03	+13 16.7	1.330	2.222	14.0	18.7
2 11	11 4.33	+13 33.1	1.267	2.214	9.4	18.5
2 21	10 55.11	+13 52.2	1.228	2.208	4.6	18.2
3 2	10 44.51	+14 7.1	1.215	2.202	3.2	18.1
3 12	10 34.09	+14 10.9	1.228	2.196	7.8	18.3
3 22	10 25.29	+13 59.9	1.265	2.191	12.7	18.6
4 1	10 19.18	+13 32.9	1.324	2.187	17.0	18.8

168482 1999 RD_{123} 2 29.4 192.°88 2.°1/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.63	− 0 34.4	2.015	2.767	15.4	21.4
2 1	11 8.50	− 0 23.7	1.918	2.766	12.5	21.2
2 11	11 2.10	+ 0 4.4	1.842	2.764	8.9	20.9
2 21	10 53.91	+ 0 48.2	1.792	2.761	5.0	20.7
3 2	10 44.75	+ 1 43.5	1.770	2.758	2.1	20.5
3 12	10 35.64	+ 2 44.4	1.778	2.755	4.8	20.7
3 22	10 27.56	+ 3 44.2	1.814	2.750	8.8	20.9
4 1	10 21.33	+ 4 37.1	1.876	2.745	12.5	21.1

109315 2001 QM_{135} 2 29.4 210.°98 6.°9/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.94	−18 44.0	2.314	2.957	16.4	20.6
2 1	11 5.48	−18 34.2	2.202	2.952	14.4	20.4
2 11	10 59.99	−17 57.2	2.108	2.946	12.0	20.2
2 21	10 52.92	−16 51.2	2.037	2.939	9.5	20.0
3 2	10 44.95	−15 17.0	1.992	2.932	7.5	19.9
3 12	10 36.99	−13 19.6	1.975	2.924	7.0	19.8
3 22	10 29.90	−11 7.2	1.988	2.916	8.6	19.9
4 1	10 24.42	− 8 49.7	2.028	2.908	11.2	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
190080 2004 TD_{38}			2 29.4 196°.65	0°.7/ 1.2 17		
	h m	° ′			°	m
1 22	11 10.40	+ 2 51.6	2.428	3.187	12.9	21.8
2 1	11 6.35	+ 3 16.5	2.328	3.184	10.3	21.6
2 11	11 0.42	+ 3 54.6	2.252	3.181	7.1	21.4
2 21	10 53.07	+ 4 43.2	2.203	3.178	3.5	21.2
3 2	10 44.94	+ 5 38.2	2.183	3.174	0.7	20.9
3 12	10 36.87	+ 6 34.1	2.194	3.169	4.2	21.2
3 22	10 29.61	+ 7 25.9	2.234	3.164	7.7	21.4
4 1	10 23.85	+ 8 9.5	2.300	3.158	10.9	21.6
188279 2003 AX_{78}			2 29.4 281°.28	3°.9/ 3.5 17		
1 22	11 11.80	− 3 11.1	1.911	2.658	16.3	20.4
2 1	11 8.23	− 3 35.1	1.797	2.636	13.6	20.2
2 11	11 2.20	− 3 41.7	1.702	2.614	10.2	19.9
2 21	10 54.10	− 3 30.4	1.632	2.592	6.6	19.6
3 2	10 44.73	− 3 2.5	1.589	2.570	4.0	19.4
3 12	10 35.16	− 2 22.3	1.574	2.547	5.7	19.5
3 22	10 26.51	− 1 35.7	1.585	2.525	9.5	19.6
4 1	10 19.78	− 0 49.6	1.622	2.502	13.5	19.8
37879 1998 FB_{47}			2 29.4 337°.04	1°.3/ 1.7 18		
1 22	11 8.54	+ 0 50.0	1.919	2.690	15.5	18.8
2 1	11 5.40	+ 1 15.4	1.828	2.689	12.4	18.6
2 11	11 0.03	+ 1 58.9	1.759	2.689	8.7	18.4
2 21	10 52.96	+ 2 57.7	1.715	2.689	4.6	18.1
3 2	10 44.97	+ 4 6.5	1.699	2.689	1.3	17.9
3 12	10 37.07	+ 5 18.2	1.711	2.689	4.8	18.1
3 22	10 30.20	+ 6 25.7	1.751	2.688	9.0	18.4
4 1	10 25.16	+ 7 23.0	1.816	2.688	12.7	18.6
258372 2001 XH_{3}			2 29.4 87°.80	6°.8/22.6 18		
1 22	11 15.19	+23 51.9	1.924	2.734	14.0	20.9
2 1	11 10.45	+25 27.3	1.878	2.760	11.0	20.8
2 11	11 3.27	+27 1.3	1.856	2.786	8.3	20.6
2 21	10 54.36	+28 24.5	1.861	2.811	6.9	20.6
3 2	10 44.73	+29 28.3	1.895	2.836	7.6	20.7
3 12	10 35.55	+30 7.4	1.955	2.861	9.9	20.9
3 22	10 27.80	+30 20.7	2.040	2.885	12.5	21.1
4 1	10 22.19	+30 10.1	2.146	2.909	14.8	21.3
112535 2002 PQ_{38}			2 29.4 298°.33	0°.4/29.2 17		
1 22	11 9.56	+ 5 37.1	1.540	2.341	17.3	19.9
2 1	11 7.00	+ 6 3.8	1.440	2.322	13.8	19.6
2 11	11 1.63	+ 6 48.9	1.360	2.303	9.4	19.3
2 21	10 53.91	+ 7 48.6	1.305	2.284	4.4	19.0
3 2	10 44.77	+ 8 55.9	1.275	2.266	1.1	18.7
3 12	10 35.51	+10 1.8	1.273	2.247	6.5	19.0
3 22	10 27.47	+10 57.7	1.295	2.229	11.7	19.2
4 1	10 21.76	+11 37.5	1.340	2.212	16.3	19.4
450973 2008 RP_{75}			2 29.4 138°.32	0°.5/29.0 18		
1 22	11 16.97	+ 6 35.0	1.786	2.565	16.1	22.3
2 1	11 12.00	+ 7 2.6	1.708	2.578	12.6	22.1
2 11	11 4.46	+ 7 44.0	1.653	2.591	8.5	21.8
2 21	10 55.00	+ 8 34.4	1.624	2.603	3.9	21.6
3 2	10 44.61	+ 9 27.5	1.623	2.613	1.1	21.4
3 12	10 34.48	+10 16.3	1.652	2.624	5.7	21.7
3 22	10 25.71	+10 55.0	1.708	2.633	10.0	22.0
4 1	10 19.14	+11 20.3	1.789	2.642	13.8	22.3
182053 2000 DM_{61}			2 29.4 11°.35	0°.9/28.9 18		
1 22	11 17.20	+10 20.3	1.524	2.324	17.5	19.5
2 1	11 12.72	+10 7.4	1.443	2.325	13.8	19.2
2 11	11 5.26	+10 3.7	1.384	2.327	9.3	19.0
2 21	10 55.48	+10 5.1	1.349	2.328	4.3	18.7
3 2	10 44.51	+10 6.6	1.341	2.331	1.5	18.5
3 12	10 33.82	+10 3.1	1.360	2.333	6.4	18.8
3 22	10 24.70	+ 9 51.3	1.405	2.336	11.3	19.1
4 1	10 18.14	+ 9 29.1	1.473	2.340	15.4	19.3
9535 Plitchenko			2 29.4 85°.53	2°.1/27.8 18		
1 22	11 14.00	+ 8 36.5	1.424	2.231	18.2	17.6
2 1	11 10.22	+ 9 30.3	1.361	2.248	14.1	17.3
2 11	11 3.51	+10 40.0	1.318	2.264	9.3	17.1
2 21	10 54.61	+11 57.9	1.300	2.280	4.3	16.8
3 2	10 44.69	+13 14.1	1.309	2.297	2.7	16.8
3 12	10 35.17	+14 19.0	1.345	2.312	7.3	17.1
3 22	10 27.31	+15 5.9	1.406	2.328	12.0	17.4
4 1	10 21.99	+15 32.0	1.489	2.344	15.9	17.7
95496 2002 ET_{34}			2 29.4 83°.35	0°.9/28.6 18		
1 22	11 9.75	+ 5 41.0	1.929	2.715	14.9	19.7
2 1	11 6.14	+ 6 39.5	1.859	2.734	11.5	19.5
2 11	11 0.39	+ 7 52.8	1.812	2.753	7.7	19.3
2 21	10 53.05	+ 9 15.2	1.792	2.771	3.4	19.1
3 2	10 44.98	+10 39.4	1.800	2.790	1.4	19.0
3 12	10 37.17	+11 57.4	1.838	2.808	5.4	19.3
3 22	10 30.50	+13 3.1	1.903	2.826	9.3	19.6
4 1	10 25.66	+13 52.5	1.993	2.844	12.6	19.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
338203 2002 RJ_{290}			2 29.4 191°.03	3°.2/25.5 17		
	h m	° ′			°	m
1 22	11 12.49	+17 59.8	2.948	3.736	10.2	22.3
2 1	11 7.62	+18 43.3	2.858	3.734	7.9	22.1
2 11	11 1.09	+19 29.4	2.794	3.731	5.5	21.9
2 21	10 53.33	+20 13.7	2.759	3.728	3.5	21.8
3 2	10 44.94	+20 51.4	2.755	3.725	3.6	21.8
3 12	10 36.65	+21 18.7	2.781	3.720	5.8	21.9
3 22	10 29.12	+21 33.3	2.835	3.716	8.3	22.1
4 1	10 22.94	+21 34.2	2.915	3.710	10.6	22.2
519156 2010 NZ_{77}			2 29.4 244°.53	0°.8/ 1.4 17		
1 22	11 9.02	+ 3 0.6	2.475	3.236	12.6	21.8
2 1	11 5.28	+ 3 14.1	2.371	3.228	10.1	21.6
2 11	10 59.72	+ 3 39.9	2.290	3.220	7.0	21.4
2 21	10 52.76	+ 4 15.6	2.237	3.211	3.6	21.1
3 2	10 45.04	+ 4 57.7	2.212	3.202	0.9	20.9
3 12	10 37.34	+ 5 41.5	2.218	3.193	4.1	21.1
3 22	10 30.41	+ 6 22.5	2.252	3.184	7.5	21.3
4 1	10 24.91	+ 6 56.8	2.313	3.175	10.7	21.5
212836 2007 UN_{83}			2 29.4 320°.58	3°.5/ 3.0 18		
1 22	11 7.68	− 1 54.2	1.399	2.184	19.6	20.1
2 1	11 5.74	− 2 5.1	1.304	2.169	16.1	19.8
2 11	11 0.89	− 1 52.2	1.228	2.155	11.9	19.5
2 21	10 53.61	− 1 15.6	1.173	2.142	7.1	19.2
3 2	10 44.86	− 0 18.8	1.143	2.129	3.6	19.0
3 12	10 36.02	+ 0 50.4	1.138	2.116	6.3	19.1
3 22	10 28.49	+ 2 2.2	1.157	2.105	11.3	19.3
4 1	10 23.43	+ 3 7.0	1.198	2.094	16.1	19.6
427487 2002 AY_{35}			2 29.4 87°.60	3°.1/ 3.2 18		
1 22	11 13.38	− 2 26.8	1.947	2.692	16.1	21.5
2 1	11 8.94	− 2 37.0	1.872	2.712	13.1	21.3
2 11	11 2.26	− 2 29.5	1.817	2.732	9.6	21.1
2 21	10 53.94	− 2 5.6	1.788	2.751	5.8	20.9
3 2	10 44.85	− 1 28.6	1.787	2.770	3.2	20.8
3 12	10 36.01	− 0 43.9	1.814	2.789	4.9	20.9
3 22	10 28.37	+ 0 2.7	1.869	2.807	8.4	21.2
4 1	10 22.63	+ 0 45.5	1.950	2.826	11.8	21.4
10477 Lacumparsita			2 29.4 147°.42	1°.1/ 1.5 18		
1 22	11 11.85	+ 0 39.1	1.819	2.586	16.3	19.2
2 1	11 8.05	+ 1 17.9	1.734	2.593	13.0	19.0
2 11	11 1.86	+ 2 16.8	1.671	2.601	9.1	18.8
2 21	10 53.83	+ 3 31.9	1.633	2.608	4.6	18.5
3 2	10 44.86	+ 4 56.8	1.624	2.614	1.1	18.3
3 12	10 36.03	+ 6 23.0	1.643	2.620	5.1	18.6
3 22	10 28.39	+ 7 42.4	1.691	2.625	9.5	18.9
4 1	10 22.75	+ 8 48.8	1.763	2.629	13.3	19.1
81825 2000 KG_{42}			2 29.5 295°.79	5°.0/24.3 18		
1 22	11 7.50	+14 17.9	1.680	2.500	15.2	19.0
2 1	11 5.18	+16 0.8	1.589	2.485	11.8	18.7
2 11	11 0.27	+17 58.4	1.521	2.469	8.1	18.4
2 21	10 53.24	+20 1.1	1.480	2.453	5.2	18.2
3 2	10 44.95	+21 57.0	1.466	2.438	6.0	18.2
3 12	10 36.62	+23 34.7	1.480	2.422	9.6	18.4
3 22	10 29.43	+24 46.5	1.519	2.407	13.5	18.6
4 1	10 24.40	+25 29.4	1.578	2.392	17.2	18.8
16683 Alepieri			2 29.5 292°.92	1°.8/27.6 18		
1 22	11 8.48	+10 22.0	2.181	2.976	13.1	18.1
2 1	11 5.16	+11 1.5	2.084	2.965	10.2	17.9
2 11	10 59.81	+11 51.0	2.010	2.954	6.8	17.7
2 21	10 52.86	+12 46.0	1.963	2.942	3.2	17.4
3 2	10 45.04	+13 40.6	1.945	2.931	2.3	17.3
3 12	10 37.25	+14 28.8	1.956	2.920	5.7	17.5
3 22	10 30.36	+15 5.7	1.994	2.910	9.4	17.7
4 1	10 25.11	+15 28.3	2.056	2.899	12.6	17.9
422213 2014 RG_{56}			2 29.5 86°.68	2°.9/ 3.4 18		
1 22	11 11.03	− 4 41.3	1.847	2.591	16.9	21.8
2 1	11 7.20	− 4 12.7	1.776	2.615	13.8	21.6
2 11	11 1.13	− 3 21.5	1.725	2.639	10.0	21.4
2 21	10 53.42	− 2 10.4	1.699	2.662	6.0	21.2
3 2	10 44.96	− 0 44.9	1.700	2.685	3.0	21.1
3 12	10 36.79	+ 0 46.8	1.731	2.708	4.9	21.3
3 22	10 29.83	+ 2 16.4	1.790	2.730	8.6	21.5
4 1	10 24.81	+ 3 36.6	1.875	2.752	12.1	21.8
488545 2001 TM_{13}			2 29.5 105°.21	11°.8/21.6 17		
1 22	11 34.51	+38 17.8	1.689	2.468	16.9	21.2
2 1	11 26.04	+39 32.6	1.650	2.491	14.6	21.1
2 11	11 13.91	+40 31.4	1.633	2.513	12.6	21.0
2 21	10 59.30	+41 1.9	1.639	2.534	11.8	21.0
3 2	10 43.93	+40 55.8	1.671	2.555	12.4	21.1
3 12	10 29.71	+40 11.9	1.728	2.575	14.1	21.2
3 22	10 18.12	+38 55.2	1.807	2.594	16.2	21.4
4 1	10 9.95	+37 13.8	1.906	2.613	18.2	21.6

357769 2005 SW_{159} 2 29.5 230°26 0°5/ 1.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 10.19	+ 4 49.8	2.953	3.710	10.9	21.3
2 1	11 5.86	+ 4 56.3	2.844	3.699	8.6	21.1
2 11	10 59.95	+ 5 11.6	2.759	3.689	5.9	20.9
2 21	10 52.84	+ 5 33.7	2.702	3.678	2.9	20.7
3 2	10 45.07	+ 5 59.8	2.676	3.666	0.6	20.5
3 12	10 37.31	+ 6 26.4	2.680	3.654	3.6	20.7
3 22	10 30.19	+ 6 50.4	2.714	3.642	6.6	20.9
4 1	10 24.30	+ 7 8.9	2.776	3.630	9.4	21.0

473755 2016 EY_{32} 2 29.5 54°45 4°8/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.31	+13 19.2	1.569	2.390	16.1	20.1
2 1	11 5.69	+15 10.5	1.506	2.402	12.3	19.9
2 11	11 0.44	+17 14.5	1.465	2.414	8.3	19.7
2 21	10 53.21	+19 20.3	1.451	2.426	5.1	19.6
3 2	10 45.00	+21 15.7	1.465	2.438	5.7	19.6
3 12	10 37.06	+22 49.8	1.506	2.451	9.2	19.8
3 22	10 30.50	+23 56.6	1.572	2.463	13.0	20.1
4 1	10 26.17	+24 34.7	1.659	2.476	16.3	20.3

160299 2003 FN_{90} 2 29.5 231°45 6°5/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 27.46	+24 33.0	1.866	2.655	15.2	19.8
2 1	11 20.56	+25 5.7	1.773	2.644	12.2	19.6
2 11	11 10.51	+25 36.3	1.704	2.631	9.1	19.4
2 21	10 57.98	+25 56.2	1.661	2.618	6.8	19.2
3 2	10 44.14	+25 57.3	1.647	2.604	7.1	19.2
3 12	10 30.51	+25 34.6	1.662	2.590	9.8	19.3
3 22	10 18.51	+24 47.9	1.703	2.575	13.3	19.5
4 1	10 9.19	+23 40.2	1.769	2.559	16.5	19.7

346076 2007 UA_{105} 2 29.5 104°01 2°5/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.59	+13 18.8	2.426	3.220	11.9	21.4
2 1	11 5.65	+14 7.5	2.350	3.231	9.2	21.2
2 11	10 59.89	+15 2.5	2.299	3.242	6.1	21.0
2 21	10 52.81	+15 58.9	2.276	3.253	3.2	20.9
3 2	10 45.11	+16 51.0	2.283	3.264	3.0	20.9
3 12	10 37.58	+17 33.9	2.319	3.274	5.7	21.1
3 22	10 30.97	+18 4.1	2.383	3.285	8.7	21.3
4 1	10 25.87	+18 19.9	2.472	3.295	11.4	21.5

44477 1998 WL_{5} 2 29.5 42°81 1°1/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.05	+ 8 34.3	1.986	2.779	14.3	18.8
2 1	11 6.45	+ 9 2.1	1.905	2.783	11.1	18.6
2 11	11 0.67	+ 9 40.9	1.845	2.788	7.4	18.4
2 21	10 53.26	+10 26.2	1.813	2.792	3.4	18.2
3 2	10 45.02	+11 12.5	1.808	2.797	1.5	18.0
3 12	10 36.96	+11 53.6	1.832	2.802	5.4	18.3
3 22	10 29.98	+12 24.8	1.884	2.808	9.3	18.5
4 1	10 24.81	+12 43.3	1.959	2.813	12.7	18.8

372391 2009 QK_{31} 2 29.5 207°83 0°6/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.77	+ 8 10.2	2.322	3.094	13.1	22.2
2 1	11 9.88	+ 8 25.7	2.222	3.088	10.3	22.0
2 11	11 2.90	+ 8 50.6	2.145	3.081	6.9	21.8
2 21	10 54.30	+ 9 21.4	2.096	3.074	3.2	21.6
3 2	10 44.83	+ 9 53.9	2.077	3.067	1.0	21.4
3 12	10 35.41	+10 23.3	2.088	3.059	4.8	21.6
3 22	10 26.91	+10 45.5	2.129	3.050	8.5	21.8
4 1	10 20.09	+10 57.9	2.195	3.040	11.8	22.0

98429 2000 UL_{35} 2 29.5 76°41 1°0/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.45	+ 2 13.7	1.510	2.294	18.4	19.4
2 1	11 9.59	+ 2 37.3	1.445	2.314	14.5	19.2
2 11	11 2.99	+ 3 20.6	1.400	2.335	10.0	19.0
2 21	10 54.38	+ 4 19.4	1.379	2.356	5.0	18.8
3 2	10 44.84	+ 5 26.5	1.385	2.376	1.1	18.5
3 12	10 35.69	+ 6 33.2	1.419	2.396	5.6	18.9
3 22	10 28.08	+ 7 31.8	1.479	2.416	10.3	19.2
4 1	10 22.83	+ 8 16.8	1.563	2.436	14.3	19.5

374154 2004 TD_{283} 2 29.5 154°43 2°3/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.12	+12 20.3	2.181	2.973	13.2	21.6
2 1	11 7.87	+12 59.6	2.098	2.977	10.2	21.4
2 11	11 1.54	+13 46.6	2.038	2.981	6.8	21.2
2 21	10 53.65	+14 36.4	2.006	2.984	3.4	21.0
3 2	10 44.97	+15 22.9	2.004	2.988	2.8	21.0
3 12	10 36.45	+16 0.6	2.030	2.990	5.9	21.2
3 22	10 28.96	+16 25.7	2.084	2.993	9.4	21.4
4 1	10 23.21	+16 36.4	2.163	2.995	12.5	21.6

470433 2007 VY_{324} 2 29.5 110°94 6°3/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.39	+28 18.5	2.663	3.462	10.8	21.3
2 1	11 7.77	+29 39.0	2.610	3.480	8.8	21.2
2 11	11 1.27	+30 55.7	2.583	3.498	7.0	21.1
2 21	10 53.45	+32 1.8	2.583	3.515	6.3	21.1
3 2	10 45.02	+32 51.6	2.612	3.532	7.0	21.1
3 12	10 36.84	+33 21.4	2.669	3.548	8.6	21.3
3 22	10 29.68	+33 30.2	2.751	3.564	10.5	21.4
4 1	10 24.11	+33 19.2	2.854	3.580	12.3	21.6

467227 2016 EE_{164} 2 29.5 247°69 3°5/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 11.15	− 3 5.7	1.877	2.627	16.5	21.2
2 1	11 7.60	− 3 16.5	1.779	2.621	13.6	21.0
2 11	11 1.66	− 3 8.3	1.701	2.616	10.1	20.8
2 21	10 53.83	− 2 41.5	1.648	2.610	6.3	20.6
3 2	10 44.93	− 1 58.9	1.621	2.604	3.6	20.4
3 12	10 36.04	− 1 5.9	1.623	2.598	5.3	20.5
3 22	10 28.20	− 0 9.3	1.652	2.592	9.1	20.7
4 1	10 22.30	+ 0 44.2	1.706	2.586	12.9	20.9

435015 2006 VA_{53} 2 29.5 211°66 4°4/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.98	+22 16.4	2.747	3.544	10.6	21.1
2 1	11 7.42	+23 3.4	2.662	3.540	8.4	20.9
2 11	11 1.07	+23 50.6	2.603	3.535	6.1	20.8
2 21	10 53.38	+24 32.8	2.571	3.530	4.6	20.7
3 2	10 45.03	+25 5.0	2.569	3.525	5.0	20.7
3 12	10 36.80	+25 23.1	2.597	3.520	7.0	20.8
3 22	10 29.43	+25 25.4	2.651	3.515	9.3	21.0
4 1	10 23.52	+25 11.8	2.729	3.509	11.6	21.1

47050 1998 WN_{20} 2 29.5 336°93 2°4/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.40	− 0 38.1	1.760	2.534	16.5	17.3
2 1	11 4.04	− 0 34.1	1.664	2.525	13.4	17.1
2 11	10 59.34	− 0 10.6	1.588	2.515	9.7	16.8
2 21	10 52.77	+ 0 30.7	1.536	2.507	5.5	16.6
3 2	10 45.14	+ 1 25.9	1.511	2.499	2.4	16.4
3 12	10 37.53	+ 2 28.2	1.513	2.491	5.1	16.5
3 22	10 30.97	+ 3 30.2	1.541	2.484	9.4	16.7
4 1	10 26.34	+ 4 25.0	1.593	2.478	13.4	17.0

108138 2001 GB_{11} 2 29.5 347°72 2°3/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.37	+ 1 11.8	1.410	2.204	19.0	19.4
2 1	11 6.92	+ 1 3.4	1.326	2.198	15.4	19.2
2 11	11 1.58	+ 1 15.3	1.260	2.194	11.0	18.9
2 21	10 53.91	+ 1 45.9	1.216	2.190	6.0	18.6
3 2	10 44.93	+ 2 30.7	1.198	2.187	2.3	18.3
3 12	10 36.04	+ 3 21.9	1.206	2.185	6.0	18.6
3 22	10 28.56	+ 4 11.3	1.238	2.183	11.0	18.8
4 1	10 23.53	+ 4 51.7	1.292	2.182	15.6	19.1

241806 2001 QW_{333} 2 29.5 110°25 3°9/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 21.96	+16 4.2	1.680	2.477	16.3	20.9
2 1	11 15.95	+16 41.7	1.617	2.498	12.6	20.7
2 11	11 7.12	+17 24.4	1.578	2.519	8.5	20.5
2 21	10 56.26	+18 4.8	1.564	2.539	4.8	20.3
3 2	10 44.55	+18 35.3	1.579	2.558	4.4	20.3
3 12	10 33.36	+18 50.4	1.623	2.577	7.8	20.6
3 22	10 23.87	+18 47.6	1.693	2.594	11.6	20.8
4 1	10 16.90	+18 27.6	1.786	2.612	15.0	21.1

21240 1995 WP_{22} 2 29.5 274°61 1°1/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.75	+ 2 37.2	1.754	2.532	16.5	19.1
2 1	11 8.42	+ 2 48.1	1.645	2.511	13.3	18.9
2 11	11 2.47	+ 3 16.6	1.558	2.491	9.3	18.6
2 21	10 54.33	+ 4 0.6	1.494	2.470	4.8	18.2
3 2	10 44.85	+ 4 55.4	1.458	2.448	1.2	17.9
3 12	10 35.20	+ 5 54.0	1.450	2.427	5.6	18.2
3 22	10 26.60	+ 6 48.9	1.468	2.405	10.4	18.4
4 1	10 20.08	+ 7 33.8	1.511	2.383	14.8	18.6

458898 2011 UT_{202} 2 29.5 148°60 0°2/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.48	+ 5 14.7	1.975	2.748	15.0	22.6
2 1	11 9.89	+ 5 49.5	1.892	2.758	11.8	22.4
2 11	11 3.00	+ 6 38.6	1.832	2.768	8.0	22.2
2 21	10 54.37	+ 7 37.6	1.799	2.777	3.7	21.9
3 2	10 44.88	+ 8 40.4	1.795	2.785	0.8	21.7
3 12	10 35.58	+ 9 40.2	1.820	2.793	5.2	22.1
3 22	10 27.43	+10 31.2	1.874	2.799	9.3	22.3
4 1	10 21.21	+11 9.3	1.953	2.805	12.8	22.5

399649 2004 RU_{100} 2 29.5 122°11 1°7/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.30	− 0 32.3	1.770	2.531	16.9	21.7
2 1	11 9.19	− 0 3.2	1.692	2.546	13.6	21.5
2 11	11 2.63	+ 0 46.4	1.635	2.561	9.6	21.2
2 21	10 54.22	+ 1 53.1	1.603	2.575	5.1	21.0
3 2	10 44.91	+ 3 10.8	1.600	2.589	1.7	20.8
3 12	10 35.84	+ 4 31.3	1.625	2.602	5.1	21.1
3 22	10 28.05	+ 5 46.7	1.678	2.614	9.3	21.3
4 1	10 22.33	+ 6 50.5	1.756	2.626	13.1	21.6

417187 2005 WU_{154} 2 29.5 75°55 3°8/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.65	+15 12.3	1.867	2.676	14.4	20.9
2 1	11 7.91	+16 7.3	1.790	2.679	11.2	20.7
2 11	11 1.78	+17 9.6	1.737	2.682	7.6	20.5
2 21	10 53.84	+18 12.3	1.710	2.685	4.4	20.3
3 2	10 44.98	+19 7.5	1.711	2.688	4.4	20.3
3 12	10 36.33	+19 48.6	1.740	2.691	7.6	20.5
3 22	10 28.89	+20 11.6	1.794	2.694	11.2	20.7
4 1	10 23.47	+20 15.2	1.872	2.697	14.4	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
205789 2002 *CO*$_{122}$			2 29.5 138.°30	1.°4/28.2 18		
	h m	° ′			°	m
1 22	11 13.53	+ 7 29.1	1.804	2.592	15.7	20.9
2 1	11 9.37	+ 8 23.5	1.726	2.603	12.2	20.7
2 11	11 2.76	+ 9 32.4	1.672	2.613	8.1	20.5
2 21	10 54.29	+10 49.9	1.643	2.623	3.7	20.2
3 2	10 44.90	+12 8.1	1.643	2.632	2.0	20.1
3 12	10 35.72	+13 18.7	1.673	2.640	6.2	20.4
3 22	10 27.80	+14 15.4	1.729	2.648	10.3	20.7
4 1	10 21.96	+14 54.6	1.810	2.656	13.9	20.9
285951 2001 *RK*$_{22}$			2 29.5 102.°33	0.°1/29.4 18		
1 22	11 15.55	+ 6 31.9	1.973	2.749	15.0	21.1
2 1	11 10.58	+ 6 44.9	1.900	2.768	11.7	20.9
2 11	11 3.36	+ 7 9.4	1.850	2.786	7.9	20.7
2 21	10 54.49	+ 7 41.7	1.826	2.804	3.7	20.5
3 2	10 44.88	+ 8 16.7	1.832	2.822	0.7	20.3
3 12	10 35.56	+ 8 49.2	1.866	2.840	5.0	20.6
3 22	10 27.49	+ 9 14.6	1.929	2.857	8.9	20.9
4 1	10 21.36	+ 9 30.1	2.017	2.873	12.3	21.2
459014 2011 *YY*$_{22}$			2 29.5 58.°88	1.°8/28.2 18		
1 22	11 14.24	+ 9 30.0	1.433	2.242	18.0	21.8
2 1	11 10.35	+10 2.2	1.373	2.261	14.0	21.6
2 11	11 3.58	+10 47.5	1.334	2.280	9.3	21.3
2 21	10 54.68	+11 39.4	1.319	2.299	4.3	21.1
3 2	10 44.85	+12 29.7	1.330	2.319	2.4	21.0
3 12	10 35.48	+13 10.5	1.369	2.339	6.9	21.3
3 22	10 27.78	+13 36.5	1.432	2.358	11.5	21.6
4 1	10 22.60	+13 45.3	1.518	2.378	15.4	21.9
249072 2007 *UE*$_{84}$			2 29.5 298.°74	3.°5/25.9 17		
1 22	11 10.33	+16 4.3	2.203	3.006	12.7	20.5
2 1	11 6.57	+16 49.7	2.117	3.002	9.8	20.3
2 11	11 0.73	+17 40.5	2.054	2.997	6.7	20.1
2 21	10 53.32	+18 31.1	2.019	2.993	4.0	19.9
3 2	10 45.09	+19 15.2	2.013	2.989	4.0	19.9
3 12	10 36.97	+19 47.3	2.035	2.985	6.8	20.0
3 22	10 29.84	+20 4.2	2.084	2.980	10.0	20.2
4 1	10 24.41	+20 4.5	2.156	2.976	12.9	20.4
408315 2013 *GL*$_{42}$			2 29.5 355.°09	3.°7/26.9 14 C		
1 22	11 11.97	+13 7.0	1.339	2.164	18.1	21.2
2 1	11 9.13	+13 48.8	1.264	2.161	14.2	21.0
2 11	11 3.14	+14 42.5	1.210	2.159	9.5	20.7
2 21	10 54.65	+15 40.2	1.179	2.158	5.0	20.4
3 2	10 44.84	+16 32.0	1.174	2.157	4.3	20.4
3 12	10 35.27	+17 8.7	1.194	2.157	8.7	20.6
3 22	10 27.36	+17 25.0	1.237	2.158	13.4	20.9
4 1	10 22.14	+17 19.2	1.301	2.158	17.6	21.2
131739 2001 *YJ*$_{115}$			2 29.5 29.°53	2.°5/27.8 18		
1 22	11 12.83	+10 48.0	1.299	2.120	18.8	19.4
2 1	11 9.76	+11 19.8	1.230	2.125	14.7	19.1
2 11	11 3.50	+12 5.3	1.182	2.130	9.8	18.8
2 21	10 54.78	+12 57.3	1.156	2.137	4.7	18.6
3 2	10 44.83	+13 46.7	1.156	2.143	3.1	18.5
3 12	10 35.22	+14 24.6	1.182	2.151	7.9	18.8
3 22	10 27.35	+14 45.1	1.231	2.158	12.8	19.1
4 1	10 22.22	+14 45.9	1.301	2.166	17.1	19.4
130440 2000 *QW*$_{18}$			2 29.5 104.°58	0.°8/28.9 18		
1 22	11 17.09	+ 7 36.0	1.676	2.463	16.7	20.3
2 1	11 12.20	+ 7 57.1	1.607	2.481	13.1	20.1
2 11	11 4.66	+ 8 31.2	1.559	2.499	8.8	19.8
2 21	10 55.17	+ 9 13.2	1.536	2.516	4.0	19.6
3 2	10 44.78	+ 9 56.7	1.542	2.532	1.3	19.4
3 12	10 34.76	+10 35.0	1.577	2.549	5.9	19.8
3 22	10 26.22	+11 3.0	1.638	2.564	10.3	20.1
4 1	10 19.98	+11 17.7	1.723	2.580	14.0	20.3
162749 2000 *WF*$_{42}$			2 29.5 54.°81	4.°3/ 3.9 18		
1 22	11 11.93	− 4 40.2	1.352	2.120	20.9	19.8
2 1	11 8.71	− 4 47.8	1.290	2.142	17.1	19.6
2 11	11 2.57	− 4 28.2	1.247	2.165	12.6	19.4
2 21	10 54.26	− 3 43.0	1.225	2.188	7.9	19.2
3 2	10 44.95	− 2 37.4	1.228	2.211	4.5	19.1
3 12	10 36.07	− 1 20.5	1.257	2.234	6.2	19.2
3 22	10 28.84	− 0 2.6	1.312	2.258	10.4	19.5
4 1	10 24.14	+ 1 7.3	1.389	2.281	14.5	19.8
186879 2004 *JD*$_{4}$			2 29.5 5.°44	6.°8/ 6.7 18		
1 22	11 5.50	−11 37.6	1.536	2.271	20.2	19.7
2 1	11 3.69	−11 51.1	1.450	2.271	17.3	19.5
2 11	10 59.28	−11 34.1	1.381	2.271	13.8	19.3
2 21	10 52.81	−10 44.9	1.332	2.273	10.1	19.1
3 2	10 45.20	− 9 25.4	1.307	2.274	7.2	18.9
3 12	10 37.67	− 7 43.1	1.308	2.277	7.3	18.9
3 22	10 31.39	− 5 49.2	1.334	2.280	10.3	19.1
4 1	10 27.31	− 3 55.7	1.384	2.284	14.0	19.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
341548 2007 *UW*$_{4}$			2 29.5 123.°81	2.°7/26.7 16		
	h m	° ′			°	m
1 22	11 13.06	+15 18.3	2.441	3.232	12.0	21.5
2 1	11 8.34	+15 48.7	2.362	3.241	9.3	21.3
2 11	11 1.72	+16 23.2	2.308	3.249	6.2	21.2
2 21	10 53.72	+16 57.4	2.282	3.257	3.4	21.0
3 2	10 45.06	+17 26.1	2.286	3.266	3.1	21.0
3 12	10 36.62	+17 45.4	2.319	3.274	5.8	21.2
3 22	10 29.15	+17 52.6	2.381	3.281	8.8	21.4
4 1	10 23.27	+17 46.8	2.467	3.289	11.5	21.6
174147 2002 *OP*$_{11}$			2 29.5 302.°56	0.°8/ 1.1 18		
1 22	11 9.70	+ 3 18.3	1.535	2.328	17.7	20.6
2 1	11 7.10	+ 3 32.9	1.438	2.314	14.2	20.3
2 11	11 1.71	+ 4 6.8	1.362	2.300	9.9	20.0
2 21	10 54.02	+ 4 57.2	1.309	2.287	5.0	19.7
3 2	10 44.98	+ 5 58.3	1.282	2.273	0.9	19.4
3 12	10 35.88	+ 7 1.5	1.282	2.260	6.0	19.7
3 22	10 28.02	+ 7 58.7	1.308	2.247	11.1	19.9
4 1	10 22.46	+ 8 43.0	1.356	2.234	15.7	20.2
209411 2004 *FF*$_{22}$			2 29.5 284.°49	2.°9/26.9 18		
1 22	11 14.54	+16 12.5	2.316	3.108	12.5	20.2
2 1	11 9.83	+16 30.0	2.213	3.091	9.8	20.0
2 11	11 2.96	+16 51.1	2.134	3.075	6.7	19.8
2 21	10 54.42	+17 11.4	2.083	3.058	3.7	19.6
3 2	10 44.95	+17 25.8	2.062	3.042	3.4	19.5
3 12	10 35.52	+17 30.0	2.070	3.025	6.2	19.7
3 22	10 27.04	+17 21.5	2.105	3.009	9.6	19.8
4 1	10 20.29	+16 59.6	2.166	2.992	12.7	20.0
500421 2012 *TM*$_{134}$			2 29.5 134.°52	1.°6/ 2.5 17		
1 22	11 7.19	− 1 22.5	2.427	3.175	13.2	22.0
2 1	11 3.86	− 0 50.2	2.334	3.180	10.6	21.8
2 11	10 58.78	− 0 1.7	2.264	3.185	7.6	21.6
2 21	10 52.39	+ 1 0.5	2.220	3.189	4.2	21.4
3 2	10 45.33	+ 2 12.3	2.205	3.193	1.6	21.2
3 12	10 38.35	+ 3 27.9	2.221	3.198	3.9	21.4
3 22	10 32.18	+ 4 41.2	2.265	3.202	7.3	21.6
4 1	10 27.42	+ 5 47.2	2.337	3.205	10.3	21.8
139452 2001 *OK*$_{66}$			2 29.5 175.°49	1.°5/ 2.3 18		
1 22	11 7.76	− 0 34.5	2.742	3.485	12.0	21.0
2 1	11 4.10	− 0 8.4	2.644	3.487	9.6	20.9
2 11	10 58.85	+ 0 31.4	2.568	3.488	6.8	20.7
2 21	10 52.40	+ 1 22.7	2.520	3.489	3.8	20.5
3 2	10 45.33	+ 2 22.2	2.502	3.490	1.5	20.3
3 12	10 38.32	+ 3 25.0	2.514	3.490	3.6	20.5
3 22	10 32.01	+ 4 26.3	2.556	3.490	6.7	20.7
4 1	10 26.97	+ 5 21.8	2.625	3.490	9.5	20.8
234820 2002 *RV*$_{21}$			2 29.5 212.°74	0.°9/28.5 17		
1 22	11 11.43	+ 8 59.5	2.644	3.418	11.6	21.3
2 1	11 7.05	+ 9 24.1	2.543	3.412	9.1	21.1
2 11	11 0.89	+ 9 56.9	2.467	3.405	6.1	20.9
2 21	10 53.39	+10 34.6	2.418	3.397	2.8	20.7
3 2	10 45.16	+11 13.0	2.400	3.389	1.3	20.5
3 12	10 36.96	+11 47.7	2.413	3.381	4.5	20.8
3 22	10 29.54	+12 15.1	2.454	3.372	7.7	20.9
4 1	10 23.52	+12 32.7	2.522	3.363	10.6	21.1
125987 2001 *YD*$_{29}$			2 29.5 207.°79	1.°0/ 1.4 18		
1 22	11 11.40	+ 2 52.8	1.990	2.761	15.0	20.3
2 1	11 7.61	+ 3 5.4	1.897	2.759	12.0	20.1
2 11	11 1.57	+ 3 33.0	1.825	2.757	8.3	19.9
2 21	10 53.79	+ 4 12.9	1.779	2.754	4.2	19.6
3 2	10 45.08	+ 5 0.6	1.761	2.752	1.0	19.4
3 12	10 36.43	+ 5 50.1	1.773	2.749	4.8	19.6
3 22	10 28.82	+ 6 35.7	1.812	2.746	8.9	19.9
4 1	10 23.03	+ 7 12.4	1.876	2.743	12.6	20.1
217130 2002 *EH*$_{103}$			2 29.5 255.°50	1.°6/28.4 16		
1 22	11 15.49	+ 9 53.3	1.720	2.514	16.1	20.8
2 1	11 11.35	+10 12.8	1.622	2.502	12.7	20.6
2 11	11 4.44	+10 43.8	1.546	2.489	8.6	20.3
2 21	10 55.29	+11 21.6	1.496	2.475	4.0	20.0
3 2	10 44.83	+11 59.8	1.473	2.462	2.1	19.8
3 12	10 34.36	+12 31.6	1.478	2.448	6.6	20.1
3 22	10 25.13	+12 51.5	1.510	2.434	11.2	20.3
4 1	10 18.17	+12 56.5	1.565	2.419	15.3	20.5
369585 2011 *BD*$_{116}$			2 29.5 238.°08	1.°9/ 2.1 17		
1 22	11 12.07	+ 1 8.9	1.966	2.729	15.4	21.3
2 1	11 8.19	+ 1 4.9	1.870	2.725	12.4	21.1
2 11	11 2.02	+ 1 16.1	1.795	2.721	8.9	20.8
2 21	10 54.04	+ 1 41.0	1.746	2.717	4.9	20.6
3 2	10 45.07	+ 2 16.1	1.725	2.713	1.9	20.4
3 12	10 36.15	+ 2 56.0	1.732	2.709	4.8	20.6
3 22	10 28.27	+ 3 35.3	1.767	2.704	8.9	20.8
4 1	10 22.26	+ 4 8.7	1.827	2.700	12.6	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
365502 2010 RP_{60}			2 29.5 227.°73 1.°5/ 1.9 15			
	h m	° ′			°	m
1 22	11 12.04	+ 0 25.2	2.080	2.836	14.9	22.6
2 1	11 8.14	+ 0 46.5	1.972	2.824	12.0	22.4
2 11	11 1.99	+ 1 25.2	1.887	2.813	8.5	22.1
2 21	10 54.05	+ 2 19.2	1.828	2.800	4.6	21.8
3 2	10 45.06	+ 3 24.0	1.797	2.787	1.5	21.6
3 12	10 36.02	+ 4 33.3	1.797	2.773	4.7	21.8
3 22	10 27.90	+ 5 40.2	1.824	2.758	8.9	22.0
4 1	10 21.54	+ 6 38.6	1.877	2.743	12.6	22.2
418303 2008 FS_{42}			2 29.5 236.°57 1.°9/ 2.3 16			
1 22	11 9.16	− 1 7.9	1.873	2.635	16.1	22.0
2 1	11 6.06	− 0 42.9	1.777	2.631	13.0	21.8
2 11	11 0.65	+ 0 2.7	1.702	2.627	9.3	21.6
2 21	10 53.42	+ 1 6.4	1.652	2.623	5.2	21.3
3 2	10 45.19	+ 2 23.2	1.629	2.618	1.9	21.1
3 12	10 36.98	+ 3 45.6	1.636	2.613	4.9	21.3
3 22	10 29.82	+ 5 5.5	1.669	2.609	9.2	21.5
4 1	10 24.54	+ 6 15.7	1.728	2.604	13.0	21.7
383781 2007 VV_{322}			2 29.5 82.°66 1.°9/ 2.3 17			
1 22	11 10.60	+ 0 45.9	2.286	3.040	13.8	20.9
2 1	11 6.59	+ 0 41.6	2.198	3.047	11.1	20.7
2 11	11 0.67	+ 0 50.7	2.132	3.054	7.9	20.5
2 21	10 53.31	+ 1 11.5	2.092	3.061	4.4	20.3
3 2	10 45.22	+ 1 41.0	2.081	3.068	1.9	20.2
3 12	10 37.26	+ 2 14.7	2.099	3.075	4.2	20.3
3 22	10 30.23	+ 2 48.3	2.146	3.083	7.6	20.5
4 1	10 24.76	+ 3 17.4	2.219	3.090	10.7	20.8
273759 2007 EG_{146}			2 29.5 338.°30 2.°1/27.9 17			
1 22	11 9.81	+10 30.2	1.570	2.382	16.5	21.0
2 1	11 7.04	+11 0.1	1.484	2.374	12.9	20.8
2 11	11 1.55	+11 42.5	1.420	2.367	8.7	20.5
2 21	10 53.92	+12 31.7	1.380	2.360	4.1	20.2
3 2	10 45.10	+13 20.2	1.366	2.354	2.7	20.1
3 12	10 36.39	+14 0.1	1.380	2.348	7.0	20.4
3 22	10 28.99	+14 25.7	1.418	2.344	11.6	20.6
4 1	10 23.87	+14 33.8	1.478	2.339	15.7	20.9
66194 1999 AT_{23}			2 29.5 49.°25 6.°2/23.5 18			
1 22	11 8.70	+ 8 54.4	1.096	1.931	20.6	17.3
2 1	11 6.80	+12 21.8	1.056	1.961	15.5	17.1
2 11	11 1.58	+16 11.0	1.038	1.991	10.2	16.9
2 21	10 53.90	+20 0.3	1.047	2.022	6.4	16.8
3 2	10 45.13	+23 25.7	1.083	2.053	7.8	17.0
3 12	10 36.96	+26 9.1	1.146	2.085	12.1	17.3
3 22	10 30.73	+28 3.7	1.232	2.117	16.3	17.7
4 1	10 27.35	+29 11.1	1.337	2.149	19.8	18.0
365052 2008 WP_{33}			2 29.5 115.°76 0.°3/29.2 17			
1 22	11 10.20	+ 6 13.7	2.159	2.939	13.7	22.1
2 1	11 6.42	+ 6 40.9	2.074	2.944	10.7	21.9
2 11	11 0.63	+ 7 19.9	2.011	2.949	7.2	21.7
2 21	10 53.32	+ 8 7.2	1.975	2.953	3.3	21.5
3 2	10 45.24	+ 8 57.7	1.968	2.958	0.8	21.3
3 12	10 37.29	+ 9 45.5	1.990	2.963	4.8	21.6
3 22	10 30.32	+10 25.9	2.040	2.967	8.5	21.8
4 1	10 25.01	+10 55.3	2.116	2.972	11.8	22.0
274381 2008 RA_{100}			2 29.5 172.°31 0.°8/28.7 17			
1 22	11 12.85	+ 8 35.6	2.643	3.413	11.7	21.9
2 1	11 8.08	+ 8 57.7	2.551	3.417	9.1	21.7
2 11	11 1.55	+ 9 27.8	2.483	3.420	6.1	21.5
2 21	10 53.70	+10 2.8	2.443	3.422	2.8	21.3
3 2	10 45.19	+10 38.5	2.434	3.424	1.1	21.2
3 12	10 36.78	+11 10.6	2.456	3.425	4.4	21.4
3 22	10 29.19	+11 35.8	2.507	3.426	7.6	21.6
4 1	10 23.04	+11 51.7	2.585	3.426	10.4	21.8
130668 2000 SE_{111}			2 29.5 132.°12 1.°5/28.2 18			
1 22	11 15.93	+ 9 4.8	1.842	2.628	15.4	20.5
2 1	11 11.19	+ 9 40.9	1.766	2.641	12.0	20.3
2 11	11 3.98	+10 28.6	1.713	2.654	8.0	20.1
2 21	10 54.92	+11 22.5	1.686	2.665	3.7	19.8
3 2	10 44.98	+12 15.8	1.688	2.676	2.0	19.7
3 12	10 35.29	+13 1.8	1.719	2.687	6.0	20.0
3 22	10 26.92	+13 35.3	1.778	2.697	10.1	20.3
4 1	10 20.64	+13 53.9	1.860	2.706	13.6	20.5
62406 2000 SN_{176}			2 29.5 328.°67 4.°9/ 3.9 18			
1 22	11 10.89	− 4 11.2	1.462	2.228	19.7	18.2
2 1	11 8.13	− 4 42.3	1.372	2.222	16.4	17.9
2 11	11 2.47	− 4 50.5	1.301	2.217	12.4	17.6
2 21	10 54.44	− 4 34.8	1.252	2.212	8.1	17.4
3 2	10 45.03	− 3 57.1	1.227	2.207	5.0	17.2
3 12	10 35.63	− 3 3.6	1.228	2.203	6.6	17.3
3 22	10 27.58	− 2 2.7	1.254	2.199	10.9	17.5
4 1	10 21.97	− 1 3.6	1.302	2.196	15.2	17.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
330708 2008 OS			2 29.5 216.°33 3.°2/25.4 17			
	h m	° ′			°	m
1 22	11 10.59	+14 23.3	2.516	3.309	11.6	21.5
2 1	11 6.62	+15 39.0	2.420	3.300	9.0	21.3
2 11	11 0.75	+17 2.8	2.349	3.290	6.1	21.1
2 21	10 53.40	+18 28.6	2.306	3.280	3.6	20.9
3 2	10 45.23	+19 49.8	2.295	3.269	3.8	20.9
3 12	10 37.06	+20 59.7	2.314	3.257	6.5	21.1
3 22	10 29.68	+21 54.0	2.360	3.245	9.5	21.2
4 1	10 23.78	+22 30.3	2.432	3.233	12.2	21.4
135643 2002 JM_{109}			2 29.5 243.°16 0.°3/29.7 16			
1 22	11 13.46	+ 4 43.0	1.904	2.680	15.4	21.7
2 1	11 9.49	+ 5 1.0	1.800	2.667	12.3	21.4
2 11	11 3.06	+ 5 33.9	1.718	2.653	8.5	21.2
2 21	10 54.62	+ 6 18.7	1.661	2.639	4.1	20.9
3 2	10 45.01	+ 7 10.3	1.633	2.624	0.7	20.6
3 12	10 35.33	+ 8 1.9	1.634	2.609	5.4	20.9
3 22	10 26.70	+ 8 47.4	1.662	2.593	9.8	21.1
4 1	10 20.03	+ 9 21.7	1.715	2.577	13.8	21.3
89776 2002 AL_{90}			2 29.5 43.°05 4.°1/25.7 18			
1 22	11 7.65	+ 4 18.2	1.026	1.856	22.1	17.1
2 1	11 6.01	+ 7 21.3	0.988	1.890	16.7	16.8
2 11	11 1.02	+10 52.4	0.971	1.925	10.7	16.6
2 21	10 53.62	+14 31.8	0.979	1.960	5.2	16.4
3 2	10 45.23	+17 55.7	1.014	1.996	5.4	16.6
3 12	10 37.53	+20 44.5	1.075	2.033	10.3	17.0
3 22	10 31.82	+22 48.4	1.160	2.069	15.1	17.3
4 1	10 28.93	+24 7.1	1.264	2.106	19.0	17.7
260738 2005 LL_{40}			2 29.5 105.°29 4.°2/ 4.5 18			
1 22	11 13.81	− 6 6.7	2.047	2.770	16.1	21.1
2 1	11 9.27	− 6 21.1	1.968	2.789	13.3	21.0
2 11	11 2.54	− 6 16.2	1.910	2.809	10.1	20.8
2 21	10 54.22	− 5 52.3	1.876	2.827	6.7	20.6
3 2	10 45.11	− 5 12.1	1.870	2.845	4.3	20.5
3 12	10 36.22	− 4 20.6	1.893	2.863	5.2	20.6
3 22	10 28.46	− 3 24.0	1.944	2.880	8.2	20.8
4 1	10 22.53	− 2 28.6	2.021	2.897	11.4	21.0
62745 2000 UY_{1}			2 29.5 134.°75 2.°1/27.6 18			
1 22	11 14.82	+10 9.2	1.853	2.645	15.2	20.2
2 1	11 10.33	+10 59.7	1.778	2.657	11.8	20.0
2 11	11 3.41	+12 1.8	1.726	2.669	7.8	19.8
2 21	10 54.67	+13 9.0	1.701	2.680	3.7	19.5
3 2	10 45.03	+14 13.9	1.704	2.690	2.7	19.5
3 12	10 35.64	+15 9.1	1.736	2.700	6.4	19.7
3 22	10 27.53	+15 49.5	1.796	2.709	10.4	20.0
4 1	10 21.48	+16 12.7	1.879	2.717	13.8	20.2
206139 2002 TW_{42}			2 29.5 138.°87 4.°5/24.3 17			
1 22	11 12.58	+21 9.7	2.513	3.312	11.4	20.5
2 1	11 8.02	+22 4.7	2.440	3.320	8.9	20.3
2 11	11 1.55	+23 0.7	2.393	3.327	6.4	20.2
2 21	10 53.71	+23 51.8	2.373	3.335	4.7	20.1
3 2	10 45.21	+24 32.3	2.383	3.342	5.1	20.1
3 12	10 36.90	+24 57.8	2.421	3.348	7.2	20.3
3 22	10 29.57	+25 6.4	2.487	3.355	9.7	20.4
4 1	10 23.84	+24 58.1	2.576	3.361	12.1	20.6
225532 2000 SP_{5}			2 29.5 232.°67 6.°2/ 6.2 17			
1 22	11 11.85	−10 58.0	2.169	2.864	16.1	20.5
2 1	11 7.96	−11 35.5	2.062	2.856	13.8	20.3
2 11	11 1.87	−11 53.2	1.975	2.848	11.1	20.1
2 21	10 54.01	−11 49.4	1.911	2.839	8.4	20.0
3 2	10 45.13	−11 24.0	1.874	2.831	6.4	19.8
3 12	10 36.18	−10 40.1	1.864	2.821	6.7	19.8
3 22	10 28.11	− 9 43.1	1.882	2.812	8.9	19.9
4 1	10 21.76	− 8 40.0	1.925	2.802	11.8	20.1
518587 2007 TY_{455}			2 29.5 50.°19 5.°0/25.9 18			
1 22	11 15.02	+16 51.7	1.457	2.278	17.2	21.3
2 1	11 11.21	+17 43.2	1.391	2.284	13.4	21.1
2 11	11 4.37	+18 41.4	1.345	2.291	9.2	20.9
2 21	10 55.21	+19 37.5	1.324	2.298	5.6	20.7
3 2	10 44.94	+20 21.9	1.329	2.305	5.7	20.7
3 12	10 35.05	+20 46.9	1.361	2.313	9.2	20.9
3 22	10 26.83	+20 49.4	1.416	2.320	13.3	21.2
4 1	10 21.23	+20 29.7	1.493	2.328	16.9	21.4
116475 2004 BA_{4}			2 29.5 101.°68 2.°3/27.0 18			
1 22	11 9.68	+11 57.6	2.253	3.047	12.7	20.0
2 1	11 5.95	+12 45.8	2.173	3.055	9.8	19.9
2 11	11 0.27	+13 42.2	2.118	3.062	6.5	19.7
2 21	10 53.15	+14 41.4	2.090	3.069	3.3	19.5
3 2	10 45.31	+15 37.6	2.092	3.075	2.8	19.4
3 12	10 37.64	+16 25.0	2.123	3.082	5.8	19.6
3 22	10 30.93	+16 59.6	2.181	3.089	9.1	19.9
4 1	10 25.82	+17 19.3	2.264	3.096	12.0	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
354511 2004 PH_{114} 2 29.5 191°83 2°1/27.7 18						
	h m	° ′			°	m
1 22	11 16.99	+11 8.5	2.005	2.790	14.4	22.6
2 1	11 12.00	+11 46.7	1.914	2.789	11.3	22.3
2 11	11 4.58	+12 34.8	1.846	2.786	7.6	22.1
2 21	10 55.27	+13 27.4	1.805	2.783	3.7	21.9
3 2	10 44.93	+14 17.8	1.793	2.779	2.6	21.8
3 12	10 34.70	+14 59.7	1.812	2.774	6.3	22.0
3 22	10 25.61	+15 28.4	1.858	2.769	10.2	22.2
4 1	10 18.52	+15 41.5	1.928	2.762	13.7	22.4
110259 2001 SN_{243} 2 29.5 199°54 0°8/ 1.3 16						
1 22	11 11.36	+ 2 15.2	2.321	3.079	13.5	22.0
2 1	11 7.28	+ 2 42.3	2.220	3.075	10.8	21.7
2 11	11 1.22	+ 3 23.8	2.143	3.071	7.5	21.5
2 21	10 53.64	+ 4 17.0	2.092	3.066	3.8	21.3
3 2	10 45.22	+ 5 17.5	2.071	3.061	0.8	21.0
3 12	10 36.83	+ 6 19.5	2.080	3.055	4.3	21.3
3 22	10 29.30	+ 7 17.4	2.118	3.049	8.0	21.5
4 1	10 23.33	+ 8 6.4	2.182	3.041	11.4	21.7
291746 2006 KZ_{1} 2 29.5 313°92 5°1/25.2 17						
1 22	11 11.57	+18 33.8	1.758	2.575	14.8	20.2
2 1	11 8.37	+19 21.6	1.661	2.553	11.7	19.9
2 11	11 2.48	+20 15.0	1.587	2.530	8.3	19.7
2 21	10 54.41	+21 6.7	1.538	2.508	5.5	19.5
3 2	10 45.07	+21 48.2	1.515	2.487	5.8	19.4
3 12	10 35.70	+22 12.1	1.520	2.466	9.0	19.6
3 22	10 27.52	+22 14.3	1.549	2.445	12.9	19.7
4 1	10 21.55	+21 54.2	1.599	2.425	16.4	19.9
456780 2007 TT_{169} 2 29.5 157°21 2°1/27.4 18						
1 22	11 15.21	+10 52.3	2.107	2.891	13.8	22.2
2 1	11 10.39	+11 41.7	2.025	2.900	10.7	22.0
2 11	11 3.34	+12 40.8	1.968	2.908	7.1	21.8
2 21	10 54.62	+13 44.0	1.937	2.916	3.5	21.6
3 2	10 45.07	+14 44.7	1.937	2.922	2.6	21.5
3 12	10 35.70	+15 36.3	1.967	2.928	6.0	21.8
3 22	10 27.44	+16 14.5	2.024	2.933	9.6	22.0
4 1	10 21.04	+16 36.9	2.107	2.937	12.8	22.2
326982 2004 OV_{14} 2 29.5 245°47 6°2/22.6 17						
1 22	11 12.42	+22 24.1	2.095	2.904	13.0	20.8
2 1	11 8.59	+23 51.6	2.008	2.892	10.4	20.6
2 11	11 2.37	+25 22.5	1.946	2.879	7.8	20.4
2 21	10 54.27	+26 48.2	1.911	2.866	6.3	20.3
3 2	10 45.12	+27 59.9	1.904	2.852	7.1	20.3
3 12	10 36.00	+28 50.6	1.925	2.839	9.6	20.4
3 22	10 27.93	+29 16.7	1.971	2.824	12.5	20.6
4 1	10 21.80	+29 18.2	2.038	2.810	15.3	20.7
899 Jokaste 2 29.5 128°62 5°1/ 6.6 18						
1 22	11 10.47	−11 49.3	2.614	3.292	14.0	15.6
2 1	11 6.30	−12 6.3	2.523	3.305	11.9	15.5
2 11	11 0.39	−12 4.9	2.452	3.318	9.5	15.3
2 21	10 53.19	−11 44.8	2.406	3.330	7.1	15.2
3 2	10 45.34	−11 7.1	2.387	3.342	5.4	15.1
3 12	10 37.59	−10 15.3	2.397	3.354	5.4	15.1
3 22	10 30.65	− 9 14.6	2.436	3.365	7.2	15.2
4 1	10 25.12	− 8 10.4	2.502	3.375	9.6	15.4
358007 2006 DM_{92} 2 29.5 230°17 0°3/29.7 17						
1 22	11 12.00	+ 3 25.9	1.812	2.589	16.0	21.6
2 1	11 8.45	+ 4 0.5	1.713	2.581	12.7	21.4
2 11	11 2.40	+ 4 53.4	1.636	2.571	8.8	21.1
2 21	10 54.34	+ 6 0.8	1.584	2.561	4.3	20.8
3 2	10 45.11	+ 7 16.6	1.560	2.551	0.7	20.5
3 12	10 35.87	+ 8 32.4	1.565	2.540	5.5	20.8
3 22	10 27.71	+ 9 40.5	1.597	2.529	10.1	21.1
4 1	10 21.58	+10 34.9	1.654	2.517	14.2	21.3
383347 2006 QF_{160} 2 29.5 102°76 0°4/29.9 18						
1 22	11 9.13	+ 4 7.5	2.473	3.239	12.5	21.9
2 1	11 5.30	+ 4 30.3	2.389	3.250	9.9	21.7
2 11	10 59.72	+ 5 4.6	2.329	3.261	6.7	21.5
2 21	10 52.88	+ 5 47.5	2.296	3.272	3.3	21.3
3 2	10 45.41	+ 6 34.8	2.292	3.283	0.5	21.1
3 12	10 38.09	+ 7 21.6	2.318	3.293	4.0	21.4
3 22	10 31.61	+ 8 3.7	2.373	3.303	7.3	21.6
4 1	10 26.56	+ 8 37.5	2.455	3.313	10.3	21.8
454348 2014 LP_{22} 2 29.5 268°15 0°2/29.7 17						
1 22	11 13.85	+ 4 55.5	1.500	2.293	18.1	22.2
2 1	11 10.57	+ 5 9.5	1.400	2.276	14.5	21.9
2 11	11 4.26	+ 5 41.7	1.320	2.260	10.0	21.6
2 21	10 55.38	+ 6 28.9	1.264	2.242	4.9	21.3
3 2	10 44.93	+ 7 24.9	1.234	2.225	0.8	20.9
3 12	10 34.34	+ 8 21.0	1.231	2.207	6.5	21.3
3 22	10 25.03	+ 9 9.3	1.253	2.189	11.9	21.5
4 1	10 18.23	+ 9 43.4	1.298	2.171	16.7	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
434921 2006 TS_{94} 2 29.5 226°10 6°9/10.5 17						
	h m	° ′			°	m
1 22	11 7.49	−21 27.7	3.011	3.613	13.5	21.8
2 1	11 3.99	−21 42.8	2.893	3.604	12.1	21.6
2 11	10 58.87	−21 37.4	2.794	3.594	10.5	21.5
2 21	10 52.52	−21 9.8	2.717	3.584	8.7	21.3
3 2	10 45.47	−20 19.8	2.665	3.573	7.4	21.2
3 12	10 38.39	−19 9.5	2.640	3.562	7.0	21.2
3 22	10 31.94	−17 43.5	2.644	3.550	7.7	21.2
4 1	10 26.71	−16 7.9	2.675	3.539	9.4	21.3
151084 2001 VG_{81} 2 29.5 57°99 5°4/24.3 18						
1 22	11 10.51	+17 26.3	1.687	2.507	15.2	19.6
2 1	11 7.33	+18 55.0	1.623	2.516	11.8	19.4
2 11	11 1.57	+20 30.7	1.581	2.525	8.2	19.2
2 21	10 53.88	+22 3.6	1.566	2.535	5.7	19.0
3 2	10 45.24	+23 23.7	1.578	2.544	6.3	19.1
3 12	10 36.87	+24 22.7	1.616	2.554	9.3	19.3
3 22	10 29.86	+24 56.8	1.680	2.564	12.7	19.5
4 1	10 25.02	+25 5.6	1.764	2.573	15.8	19.7
131605 2001 XH_{18} 2 29.5 33°35 8°6/23.6 18						
1 22	11 16.06	+23 39.9	1.271	2.105	18.4	19.4
2 1	11 12.57	+24 57.4	1.215	2.111	14.7	19.2
2 11	11 5.55	+26 15.1	1.179	2.118	11.0	19.0
2 21	10 55.85	+27 20.3	1.167	2.126	8.8	18.9
3 2	10 44.91	+28 0.9	1.178	2.134	9.5	18.9
3 12	10 34.51	+28 9.7	1.214	2.142	12.6	19.1
3 22	10 26.17	+27 46.0	1.271	2.151	16.2	19.4
4 1	10 20.89	+26 53.9	1.347	2.161	19.6	19.6
44918 1999 VV_{30} 2 29.5 285°47 3°7/26.6 18						
1 22	11 12.76	+13 45.2	1.633	2.445	16.0	17.9
2 1	11 9.45	+14 32.3	1.539	2.429	12.6	17.6
2 11	11 3.31	+15 30.2	1.467	2.413	8.5	17.3
2 21	10 54.85	+16 31.9	1.419	2.397	4.7	17.1
3 2	10 45.05	+17 28.8	1.399	2.381	4.3	17.0
3 12	10 35.23	+18 12.1	1.406	2.365	8.2	17.2
3 22	10 26.68	+18 36.4	1.438	2.348	12.6	17.4
4 1	10 20.46	+18 39.2	1.491	2.332	16.6	17.6
435340 2007 VO_{106} 2 29.5 356°53 11°5/16.7 18						
1 22	11 17.18	+40 28.3	1.988	2.781	14.3	20.6
2 1	11 12.70	+41 58.8	1.938	2.779	12.7	20.5
2 11	11 5.26	+43 15.7	1.909	2.778	11.7	20.4
2 21	10 55.61	+44 9.1	1.904	2.777	11.6	20.4
3 2	10 44.96	+44 31.0	1.922	2.776	12.5	20.5
3 12	10 34.75	+44 18.3	1.963	2.776	14.0	20.6
3 22	10 26.25	+43 32.6	2.023	2.776	15.8	20.7
4 1	10 20.33	+42 18.9	2.101	2.777	17.5	20.8
116708 2004 CE_{113} 2 29.5 90°09 2°2/27.3 18						
1 22	11 11.33	+12 17.7	2.231	3.024	12.9	20.5
2 1	11 7.19	+12 57.4	2.158	3.037	9.9	20.3
2 11	11 1.08	+13 44.3	2.108	3.051	6.6	20.1
2 21	10 53.53	+14 33.4	2.086	3.065	3.3	20.0
3 2	10 45.32	+15 19.1	2.094	3.078	2.7	19.9
3 12	10 37.33	+15 56.0	2.131	3.091	5.7	20.1
3 22	10 30.37	+16 20.8	2.195	3.104	9.0	20.4
4 1	10 25.07	+16 31.7	2.284	3.117	11.9	20.6
55689 2237 $T\text{-}_{2}$ 2 29.5 165°54 1°5/ 1.9 18						
1 22	11 11.40	+ 0 35.4	2.049	2.808	15.0	19.6
2 1	11 7.54	+ 0 56.1	1.958	2.811	12.0	19.4
2 11	11 1.51	+ 1 33.7	1.888	2.814	8.5	19.2
2 21	10 53.83	+ 2 25.5	1.845	2.817	4.5	19.0
3 2	10 45.26	+ 3 26.9	1.830	2.819	1.5	18.8
3 12	10 36.79	+ 4 31.5	1.844	2.821	4.6	19.0
3 22	10 29.34	+ 5 32.9	1.887	2.822	8.5	19.2
4 1	10 23.65	+ 6 25.6	1.955	2.823	12.1	19.4
179284 2001 VU_{7} 2 29.5 211°04 1°7/ 2.3 17						
1 22	11 12.07	− 0 4.7	2.470	3.212	13.2	21.7
2 1	11 7.76	+ 0 9.1	2.362	3.204	10.6	21.5
2 11	11 1.54	+ 0 37.3	2.276	3.196	7.6	21.3
2 21	10 53.82	+ 1 18.0	2.218	3.187	4.2	21.0
3 2	10 45.27	+ 2 8.1	2.189	3.177	1.7	20.8
3 12	10 36.70	+ 3 2.6	2.191	3.166	4.1	21.0
3 22	10 28.91	+ 3 56.4	2.222	3.155	7.6	21.2
4 1	10 22.60	+ 4 44.7	2.280	3.143	10.8	21.4
426973 2013 YP_{125} 2 29.5 27°94 1°4/28.1 17						
1 22	11 8.65	+ 9 34.6	2.221	3.012	13.0	21.5
2 1	11 5.22	+10 8.3	2.136	3.015	10.1	21.3
2 11	10 59.83	+10 51.5	2.076	3.018	6.7	21.1
2 21	10 53.00	+11 39.8	2.042	3.021	3.1	20.9
3 2	10 45.43	+12 28.0	2.037	3.025	1.8	20.8
3 12	10 38.00	+13 10.5	2.061	3.028	5.2	21.0
3 22	10 31.50	+13 43.0	2.112	3.032	8.7	21.2
4 1	10 26.59	+14 2.9	2.189	3.036	11.8	21.4

310911 2003 SY_{69} 2 29.5 164°.66 2°.4/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 18.68	+13 11.1	2.037	2.822	14.2	21.0
2 1	11 13.19	+13 37.3	1.953	2.827	11.1	20.8
2 11	11 5.30	+14 10.4	1.892	2.832	7.4	20.6
2 21	10 55.59	+14 45.0	1.859	2.837	3.7	20.4
3 2	10 44.99	+15 15.4	1.856	2.840	2.9	20.3
3 12	10 34.59	+15 36.1	1.882	2.843	6.3	20.5
3 22	10 25.42	+15 44.1	1.937	2.845	10.0	20.8
4 1	10 18.28	+15 37.9	2.016	2.847	13.3	21.0

498623 2008 RP_{117} 2 29.5 153°.21 1°.5/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.82	+ 2 24.8	2.170	2.930	14.2	21.8
2 1	11 8.50	+ 2 19.3	2.078	2.933	11.4	21.6
2 11	11 2.09	+ 2 26.6	2.008	2.935	8.0	21.4
2 21	10 54.09	+ 2 44.9	1.965	2.937	4.3	21.2
3 2	10 45.25	+ 3 10.8	1.950	2.939	1.5	21.0
3 12	10 36.51	+ 3 39.9	1.964	2.941	4.4	21.2
3 22	10 28.75	+ 4 7.8	2.007	2.942	8.1	21.4
4 1	10 22.70	+ 4 30.4	2.076	2.944	11.5	21.6

78643 2002 TA_{42} 2 29.5 21°.47 1°.8/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.06	+ 9 32.9	1.643	2.454	16.0	18.9
2 1	11 5.36	+10 8.6	1.574	2.463	12.4	18.7
2 11	11 0.21	+10 56.6	1.527	2.473	8.2	18.5
2 21	10 53.24	+11 50.9	1.504	2.484	3.8	18.2
3 2	10 45.40	+12 44.5	1.508	2.496	2.3	18.1
3 12	10 37.83	+13 29.8	1.540	2.509	6.4	18.4
3 22	10 31.54	+14 1.7	1.597	2.523	10.5	18.7
4 1	10 27.32	+14 17.3	1.676	2.537	14.1	18.9

462095 2007 HD_{98} 2 29.5 307°.04 7°.1/22.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.48	+23 44.5	1.814	2.633	14.4	20.9
2 1	11 8.97	+24 59.4	1.735	2.623	11.5	20.7
2 11	11 2.80	+26 15.8	1.679	2.613	8.7	20.5
2 21	10 54.54	+27 24.4	1.649	2.604	7.1	20.4
3 2	10 45.17	+28 15.8	1.645	2.594	7.9	20.4
3 12	10 35.94	+28 43.3	1.668	2.585	10.5	20.5
3 22	10 28.02	+28 44.2	1.714	2.577	13.6	20.7
4 1	10 22.31	+28 19.5	1.780	2.568	16.5	20.9

110013 2001 SN_{68} 2 29.5 103°.04 0°.6/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.55	+ 2 15.6	2.136	2.897	14.4	20.9
2 1	11 8.14	+ 2 52.9	2.064	2.921	11.4	20.7
2 11	11 1.71	+ 3 45.2	2.015	2.945	7.8	20.5
2 21	10 53.84	+ 4 48.7	1.993	2.968	3.8	20.3
3 2	10 45.31	+ 5 57.6	2.000	2.991	0.7	20.1
3 12	10 37.05	+ 7 5.7	2.038	3.013	4.4	20.4
3 22	10 29.85	+ 8 6.9	2.104	3.034	8.1	20.7
4 1	10 24.38	+ 8 57.2	2.196	3.055	11.3	20.9

466412 2013 SV_{80} 2 29.5 164°.78 0°.5/29.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.94	+ 7 26.3	2.149	2.927	13.8	22.1
2 1	11 8.62	+ 7 43.2	2.060	2.930	10.8	21.9
2 11	11 2.18	+ 8 10.7	1.994	2.932	7.3	21.7
2 21	10 54.14	+ 8 45.1	1.955	2.934	3.4	21.4
3 2	10 45.26	+ 9 21.9	1.945	2.935	0.9	21.2
3 12	10 36.51	+ 9 55.7	1.965	2.937	4.9	21.5
3 22	10 28.78	+10 22.2	2.012	2.938	8.7	21.8
4 1	10 22.78	+10 38.5	2.085	2.939	12.0	22.0

20202 1997 EC_{25} 2 29.5 188°.57 3°.0/26.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.51	+13 44.8	2.045	2.846	13.6	19.0
2 1	11 7.68	+14 33.3	1.962	2.846	10.6	18.8
2 11	11 1.64	+15 29.7	1.902	2.845	7.1	18.6
2 21	10 53.91	+16 28.0	1.868	2.845	3.8	18.4
3 2	10 45.30	+17 21.4	1.864	2.844	3.6	18.4
3 12	10 36.83	+18 3.6	1.888	2.844	6.7	18.6
3 22	10 29.43	+18 30.6	1.939	2.843	10.2	18.8
4 1	10 23.86	+18 40.5	2.013	2.842	13.4	19.0

401012 2011 RY_{13} 2 29.5 208°.04 1°.2/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.51	+ 1 47.6	1.892	2.655	15.9	23.0
2 1	11 10.29	+ 2 6.6	1.792	2.649	12.8	22.7
2 11	11 3.60	+ 2 43.1	1.714	2.643	9.0	22.5
2 21	10 54.92	+ 3 34.3	1.662	2.636	4.7	22.2
3 2	10 45.11	+ 4 35.4	1.638	2.628	1.2	21.9
3 12	10 35.29	+ 5 39.4	1.643	2.619	5.1	22.2
3 22	10 26.56	+ 6 39.2	1.676	2.610	9.6	22.4
4 1	10 19.83	+ 7 29.0	1.734	2.600	13.5	22.7

313591 2003 MB_{7} 2 29.5 175°.43 2°.5/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 16.26	− 2 33.6	2.661	3.377	12.9	21.8
2 1	11 10.78	− 2 36.0	2.558	3.382	10.6	21.7
2 11	11 3.44	− 2 24.6	2.479	3.385	7.7	21.5
2 21	10 54.69	− 2 0.6	2.427	3.387	4.7	21.3
3 2	10 45.19	− 1 26.2	2.406	3.389	2.6	21.1
3 12	10 35.74	− 0 45.2	2.416	3.389	4.1	21.2
3 22	10 27.11	− 0 2.1	2.457	3.388	7.0	21.4
4 1	10 19.95	+ 0 38.8	2.526	3.386	10.0	21.6

79927 1999 CX_{46} 2 29.5 244°.94 0°.4/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 13.02	+ 8 5.3	2.489	3.260	12.3	19.3
2 1	11 8.47	+ 8 10.5	2.384	3.250	9.7	19.1
2 11	11 2.01	+ 8 23.7	2.304	3.239	6.6	18.9
2 21	10 54.06	+ 8 42.4	2.251	3.229	3.1	18.6
3 2	10 45.30	+ 9 2.9	2.228	3.218	0.8	18.4
3 12	10 36.56	+ 9 21.3	2.235	3.207	4.4	18.7
3 22	10 28.64	+ 9 34.2	2.271	3.196	7.9	18.9
4 1	10 22.23	+ 9 39.2	2.334	3.184	11.0	19.0

161993 1981 EG_{45} 2 29.5 316°.31 2°.3/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.97	+ 1 20.1	1.444	2.231	18.9	19.8
2 1	11 9.04	+ 1 9.7	1.355	2.224	15.4	19.5
2 11	11 3.15	+ 1 18.9	1.285	2.218	11.0	19.3
2 21	10 54.84	+ 1 46.3	1.238	2.211	6.0	19.0
3 2	10 45.14	+ 2 27.6	1.216	2.205	2.3	18.7
3 12	10 35.47	+ 3 15.5	1.220	2.199	6.0	18.9
3 22	10 27.18	+ 4 2.0	1.250	2.194	11.1	19.2
4 1	10 21.38	+ 4 40.2	1.302	2.188	15.7	19.4

65207 2002 DY_{13} 2 29.5 189°.78 1°.3/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.03	+ 9 34.0	2.673	3.447	11.5	20.5
2 1	11 7.52	+10 11.5	2.577	3.445	8.9	20.3
2 11	11 1.26	+10 57.2	2.505	3.443	6.0	20.1
2 21	10 53.67	+11 47.5	2.462	3.441	2.8	19.9
3 2	10 45.37	+12 37.6	2.450	3.438	1.6	19.8
3 12	10 37.14	+13 22.8	2.469	3.434	4.7	20.0
3 22	10 29.69	+13 59.1	2.516	3.429	7.8	20.2
4 1	10 23.63	+14 24.2	2.590	3.424	10.6	20.4

71339 2000 AR_{99} 2 29.5 164°.02 0°.1/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.81	+ 3 48.4	1.729	2.513	16.4	18.6
2 1	11 7.53	+ 4 26.4	1.643	2.515	13.0	18.3
2 11	11 1.76	+ 5 22.7	1.578	2.516	8.9	18.1
2 21	10 54.06	+ 6 32.8	1.538	2.517	4.2	17.8
3 2	10 45.31	+ 7 49.8	1.527	2.517	0.7	17.5
3 12	10 36.68	+ 9 5.1	1.543	2.518	5.6	17.9
3 22	10 29.23	+10 11.2	1.587	2.519	10.1	18.2
4 1	10 23.86	+11 2.4	1.654	2.519	14.1	18.4

219742 2001 XQ_{224} 2 29.5 174°.83 6°.5/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 16.68	+27 43.6	2.506	3.300	11.6	21.5
2 1	11 11.40	+28 59.6	2.435	3.304	9.4	21.4
2 11	11 3.98	+30 12.8	2.390	3.306	7.5	21.2
2 21	10 54.97	+31 15.9	2.373	3.308	6.5	21.2
3 2	10 45.17	+32 2.2	2.384	3.309	7.2	21.2
3 12	10 35.56	+32 27.3	2.423	3.310	9.1	21.3
3 22	10 27.04	+32 30.1	2.488	3.310	11.3	21.5
4 1	10 20.30	+32 11.8	2.575	3.309	13.3	21.6

265354 2004 RR_{78} 2 29.5 221°.29 0°.3/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.85	+ 5 26.0	2.421	3.190	12.7	21.8
2 1	11 6.88	+ 6 1.5	2.316	3.180	10.0	21.6
2 11	11 0.99	+ 6 49.4	2.235	3.170	6.8	21.4
2 21	10 53.61	+ 7 46.3	2.181	3.159	3.2	21.1
3 2	10 45.40	+ 8 47.5	2.158	3.148	0.7	20.9
3 12	10 37.17	+ 9 47.1	2.164	3.137	4.5	21.2
3 22	10 29.73	+10 40.1	2.200	3.124	8.2	21.4
4 1	10 23.79	+11 22.4	2.262	3.111	11.4	21.5

4400 Bagryana 2 29.5 126°.99 0°.6/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 16.25	+ 7 10.1	1.775	2.558	16.1	18.0
2 1	11 11.58	+ 7 30.8	1.698	2.570	12.6	17.7
2 11	11 4.36	+ 8 4.4	1.642	2.581	8.5	17.5
2 21	10 55.22	+ 8 46.4	1.613	2.592	3.9	17.3
3 2	10 45.14	+ 9 30.8	1.611	2.602	1.1	17.1
3 12	10 35.31	+10 11.1	1.639	2.611	5.7	17.4
3 22	10 26.82	+10 41.9	1.694	2.621	10.0	17.7
4 1	10 20.50	+11 0.0	1.773	2.629	13.7	17.9

56025 1998 VW_{30} 2 29.5 140°.82 0°.4/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 15.94	+ 6 4.4	1.678	2.462	16.8	19.8
2 1	11 11.53	+ 6 30.1	1.599	2.471	13.2	19.6
2 11	11 4.44	+ 7 11.0	1.541	2.479	9.0	19.3
2 21	10 55.30	+ 8 2.4	1.508	2.487	4.2	19.0
3 2	10 45.12	+ 8 57.7	1.504	2.494	1.0	18.8
3 12	10 35.16	+ 9 49.3	1.528	2.501	5.9	19.2
3 22	10 26.58	+10 31.0	1.578	2.507	10.4	19.5
4 1	10 20.27	+10 58.6	1.653	2.513	14.3	19.7

292541 2006 TC_{48} 2 29.5 127°.42 1°.3/28.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.49	+10 4.2	2.661	3.442	11.4	21.9
2 1	11 5.50	+10 37.3	2.577	3.450	8.8	21.7
2 11	10 59.85	+11 17.8	2.517	3.457	5.8	21.6
2 21	10 52.98	+12 2.1	2.486	3.465	2.7	21.4
3 2	10 45.53	+12 45.6	2.485	3.472	1.6	21.3
3 12	10 38.20	+13 24.0	2.514	3.479	4.5	21.5
3 22	10 31.67	+13 53.8	2.572	3.486	7.6	21.7
4 1	10 26.49	+14 12.8	2.655	3.493	10.3	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
236048 2005 JV_2			2 29.5 264°.59	1°.1/28.4 17		
	h m	° ′			°	m
1 22	11 9.54	+ 8 42.0	2.298	3.083	12.8	21.3
2 1	11 5.95	+ 9 12.8	2.200	3.075	10.0	21.1
2 11	11 0.39	+ 9 53.7	2.127	3.067	6.7	20.9
2 21	10 53.33	+10 40.9	2.080	3.059	3.1	20.6
3 2	10 45.46	+11 29.2	2.062	3.051	1.5	20.5
3 12	10 37.62	+12 13.3	2.074	3.043	5.0	20.7
3 22	10 30.64	+12 48.6	2.114	3.035	8.6	20.9
4 1	10 25.23	+13 12.0	2.179	3.027	11.8	21.1
58293 1994 GQ_5			2 29.5 209°.33	5°.4/24.5 18		
1 22	11 17.17	+22 34.2	2.201	2.999	12.9	19.7
2 1	11 12.03	+23 21.3	2.118	2.995	10.2	19.5
2 11	11 4.54	+24 8.8	2.058	2.991	7.5	19.3
2 21	10 55.29	+24 49.7	2.026	2.986	5.5	19.2
3 2	10 45.14	+25 17.5	2.023	2.981	5.9	19.2
3 12	10 35.16	+25 27.3	2.048	2.975	8.3	19.3
3 22	10 26.35	+25 17.4	2.100	2.969	11.2	19.5
4 1	10 19.49	+24 48.6	2.175	2.963	13.9	19.6
64992 2002 AR_{54}			2 29.5 209°.54	1°.9/27.1 18		
1 22	11 8.17	+11 37.7	2.840	3.625	10.6	20.0
2 1	11 4.48	+12 26.4	2.744	3.620	8.2	19.9
2 11	10 59.19	+13 22.2	2.674	3.615	5.5	19.7
2 21	10 52.70	+14 21.2	2.632	3.610	2.7	19.5
3 2	10 45.58	+15 18.4	2.621	3.605	2.3	19.4
3 12	10 38.50	+16 9.2	2.640	3.599	4.9	19.6
3 22	10 32.12	+16 50.0	2.688	3.593	7.7	19.8
4 1	10 26.97	+17 18.4	2.762	3.586	10.3	19.9
78028 2002 JH_{73}			2 29.5 240°.33	1°.1/28.6 18		
1 22	11 11.52	+ 6 29.4	1.890	2.676	15.1	20.4
2 1	11 8.03	+ 7 18.4	1.790	2.664	11.9	20.1
2 11	11 2.13	+ 8 23.5	1.712	2.652	8.0	19.9
2 21	10 54.28	+ 9 40.1	1.660	2.639	3.7	19.6
3 2	10 45.30	+11 0.9	1.637	2.626	1.6	19.4
3 12	10 36.27	+12 17.5	1.643	2.612	6.0	19.6
3 22	10 28.27	+13 22.8	1.676	2.598	10.3	19.9
4 1	10 22.21	+14 11.6	1.733	2.584	14.2	20.1
81644 2000 HY_{80}			2 29.5 192°.98	2°.8/25.7 18		
1 22	11 9.54	+15 18.6	2.921	3.710	10.2	20.1
2 1	11 5.50	+16 17.5	2.830	3.708	7.9	20.0
2 11	10 59.86	+17 21.5	2.765	3.705	5.4	19.8
2 21	10 53.02	+18 25.9	2.729	3.702	3.2	19.6
3 2	10 45.54	+19 25.5	2.724	3.698	3.3	19.6
3 12	10 38.12	+20 15.8	2.749	3.694	5.5	19.8
3 22	10 31.41	+20 53.4	2.803	3.689	8.1	19.9
4 1	10 25.95	+21 16.9	2.882	3.684	10.5	20.1
193986 2001 RC_{134}			2 29.5 14°.24	0°.5/29.2 18		
1 22	11 6.36	+ 3 6.6	1.195	2.013	20.4	19.1
2 1	11 5.02	+ 4 4.2	1.124	2.015	16.1	18.8
2 11	11 0.58	+ 5 29.3	1.071	2.017	10.9	18.6
2 21	10 53.66	+ 7 15.1	1.041	2.021	5.1	18.2
3 2	10 45.42	+ 9 10.0	1.035	2.025	1.3	18.0
3 12	10 37.39	+10 59.8	1.054	2.030	7.2	18.4
3 22	10 30.97	+12 32.1	1.097	2.036	12.8	18.7
4 1	10 27.23	+13 39.3	1.161	2.043	17.6	19.0
225995 2002 DS			2 29.5 106°.42	1°.0/ 1.4 17		
1 22	11 12.13	+ 3 27.6	1.952	2.724	15.2	21.1
2 1	11 8.23	+ 3 32.9	1.864	2.727	12.1	20.9
2 11	11 2.06	+ 3 52.3	1.798	2.730	8.4	20.6
2 21	10 54.16	+ 4 23.2	1.757	2.732	4.3	20.4
3 2	10 45.35	+ 5 1.3	1.745	2.735	1.0	20.1
3 12	10 36.66	+ 5 40.9	1.761	2.738	4.8	20.4
3 22	10 29.06	+ 6 16.7	1.805	2.740	8.9	20.7
4 1	10 23.33	+ 6 44.4	1.874	2.743	12.5	20.9
215195 2000 SA_{22}			2 29.6 268°.53	5°.9/ 7.3 17		
1 22	11 9.41	−14 59.9	2.298	2.967	15.9	20.8
2 1	11 6.15	−14 41.9	2.164	2.940	13.8	20.6
2 11	11 0.78	−13 57.2	2.050	2.911	11.3	20.4
2 21	10 53.65	−12 43.9	1.959	2.882	8.5	20.1
3 2	10 45.41	−11 2.6	1.894	2.852	6.3	19.9
3 12	10 36.97	− 8 58.4	1.860	2.822	6.2	19.9
3 22	10 29.23	− 6 39.8	1.855	2.791	8.6	20.0
4 1	10 23.06	− 4 17.2	1.878	2.759	11.9	20.1
9235 Shimanamikaido			2 29.6 269°.37	2°.6/27.3 17		
1 22	11 12.10	+10 57.2	1.756	2.558	15.5	20.0
2 1	11 8.74	+11 45.9	1.657	2.542	12.1	19.8
2 11	11 2.77	+12 47.7	1.581	2.525	8.2	19.5
2 21	10 54.64	+13 56.7	1.530	2.509	4.0	19.2
3 2	10 45.25	+15 4.8	1.507	2.492	3.2	19.1
3 12	10 35.80	+16 3.5	1.511	2.475	7.2	19.3
3 22	10 27.47	+16 46.2	1.542	2.457	11.6	19.5
4 1	10 21.27	+17 9.4	1.596	2.440	15.6	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
450531 2006 BW_{111}			2 29.6 53°.54	0°.4/29.3 18		
	h m	° ′			°	m
1 22	11 15.25	+ 6 20.3	1.230	2.039	20.4	21.9
2 1	11 11.63	+ 6 34.9	1.173	2.059	15.9	21.7
2 11	11 4.77	+ 7 7.4	1.135	2.079	10.7	21.4
2 21	10 55.49	+ 7 52.1	1.120	2.099	5.0	21.2
3 2	10 45.14	+ 8 40.8	1.130	2.120	1.1	21.0
3 12	10 35.34	+ 9 24.5	1.165	2.141	6.8	21.4
3 22	10 27.44	+ 9 56.4	1.225	2.163	11.9	21.7
4 1	10 22.37	+10 12.6	1.307	2.184	16.3	22.1
493508 2015 BH_{231}			2 29.6 251°.07	2°.3/27.5 17		
1 22	11 12.43	+12 3.7	2.049	2.844	13.8	22.0
2 1	11 8.47	+12 37.8	1.956	2.836	10.8	21.8
2 11	11 2.25	+13 20.7	1.886	2.829	7.2	21.6
2 21	10 54.27	+14 7.2	1.842	2.821	3.6	21.3
3 2	10 45.33	+14 51.4	1.828	2.813	2.7	21.2
3 12	10 36.45	+15 27.0	1.842	2.805	6.2	21.4
3 22	10 28.61	+15 49.9	1.883	2.796	10.0	21.7
4 1	10 22.60	+15 57.8	1.949	2.788	13.4	21.9
299279 2005 OY_2			2 29.6 196°.99	7°.5/11.8 18		
1 22	11 10.56	−25 25.4	3.521	4.070	12.4	21.2
2 1	11 6.20	−26 12.3	3.408	4.066	11.3	21.1
2 11	11 0.31	−26 42.0	3.313	4.062	10.1	21.0
2 21	10 53.25	−26 52.3	3.240	4.057	8.8	20.9
3 2	10 45.51	−26 42.0	3.192	4.052	7.9	20.8
3 12	10 37.73	−26 12.1	3.170	4.046	7.5	20.8
3 22	10 30.50	−25 25.1	3.174	4.040	7.9	20.8
4 1	10 24.38	−24 25.4	3.204	4.033	8.9	20.9
177074 2003 FD_{34}			2 29.6 145°.93	1°.1/ 1.9 18		
1 22	11 6.92	+ 0 44.8	2.520	3.276	12.6	20.4
2 1	11 3.67	+ 1 13.3	2.425	3.277	10.1	20.3
2 11	10 58.73	+ 1 56.0	2.353	3.278	7.1	20.1
2 21	10 52.52	+ 2 50.4	2.307	3.280	3.7	19.8
3 2	10 45.64	+ 3 52.3	2.291	3.281	1.1	19.6
3 12	10 38.83	+ 4 56.6	2.305	3.282	3.8	19.8
3 22	10 32.78	+ 5 58.1	2.348	3.283	7.1	20.1
4 1	10 28.08	+ 6 52.1	2.417	3.284	10.1	20.3
271855 2004 TJ_{265}			2 29.6 102°.92	1°.3/28.4 18		
1 22	11 12.36	+ 9 15.1	2.047	2.835	14.1	20.9
2 1	11 8.24	+ 9 44.5	1.968	2.844	10.9	20.7
2 11	11 1.95	+10 23.9	1.912	2.853	7.3	20.5
2 21	10 54.07	+11 8.9	1.883	2.862	3.4	20.3
3 2	10 45.39	+11 53.7	1.883	2.871	1.7	20.2
3 12	10 36.91	+12 32.6	1.911	2.880	5.4	20.4
3 22	10 29.53	+13 1.2	1.968	2.889	9.2	20.7
4 1	10 23.96	+13 17.0	2.049	2.897	12.4	20.9
64034 2001 SD_{176}			2 29.6 238°.25	1°.2/28.2 18		
1 22	11 8.52	+ 8 35.5	2.430	3.214	12.2	19.5
2 1	11 5.04	+ 9 17.0	2.334	3.209	9.5	19.3
2 11	10 59.73	+10 8.8	2.263	3.203	6.4	19.1
2 21	10 53.03	+11 6.8	2.218	3.197	2.9	18.9
3 2	10 45.58	+12 5.7	2.203	3.192	1.6	18.7
3 12	10 38.17	+13 0.0	2.218	3.186	4.9	19.0
3 22	10 31.56	+13 45.0	2.262	3.179	8.3	19.2
4 1	10 26.41	+14 17.7	2.330	3.173	11.3	19.3
214548 2006 PL_7			2 29.6 198°.35	0°.5/29.1 17		
1 22	11 14.06	+ 6 32.9	2.144	2.917	14.0	21.8
2 1	11 9.61	+ 7 2.1	2.047	2.914	11.0	21.6
2 11	11 2.96	+ 7 43.7	1.974	2.910	7.5	21.3
2 21	10 54.60	+ 8 33.9	1.927	2.905	3.5	21.1
3 2	10 45.31	+ 9 27.4	1.910	2.900	1.0	20.9
3 12	10 36.06	+10 17.9	1.923	2.894	5.1	21.2
3 22	10 27.79	+11 0.4	1.964	2.888	9.0	21.4
4 1	10 21.29	+11 31.1	2.031	2.880	12.5	21.6
431281 2006 UY_{170}			2 29.6 229°.92	9°.1/16.3 18		
1 22	11 19.40	+41 48.7	2.833	3.599	11.1	21.1
2 1	11 13.67	+43 4.6	2.769	3.589	9.9	21.0
2 11	11 5.60	+44 9.8	2.728	3.578	9.2	21.0
2 21	10 55.79	+44 57.0	2.713	3.567	9.2	20.9
3 2	10 45.12	+45 20.4	2.724	3.556	9.9	21.0
3 12	10 34.67	+45 17.1	2.758	3.545	11.2	21.0
3 22	10 25.45	+44 47.7	2.815	3.533	12.6	21.1
4 1	10 18.20	+43 55.1	2.891	3.521	14.0	21.2
273544 2007 BF_{50}			2 29.6 175°.16	1°.5/ 1.8 17		
1 22	11 13.16	+ 2 18.7	1.977	2.742	15.3	20.8
2 1	11 9.04	+ 2 17.6	1.885	2.743	12.2	20.6
2 11	11 2.64	+ 2 31.0	1.815	2.744	8.6	20.4
2 21	10 54.46	+ 2 56.8	1.771	2.744	4.6	20.1
3 2	10 45.34	+ 3 31.2	1.755	2.744	1.5	19.9
3 12	10 36.30	+ 4 8.8	1.768	2.744	4.7	20.1
3 22	10 28.34	+ 4 44.3	1.808	2.744	8.8	20.4
4 1	10 22.25	+ 5 13.1	1.874	2.744	12.4	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
39876 1998 DB_{38}			2 29.6 355°.47		1°.4/ 1.5 18	
	h m	° ′			°	m
1 22	11 9.02	+ 2 13.4	1.330	2.131	19.5	18.5
2 1	11 6.89	+ 2 22.3	1.249	2.128	15.7	18.3
2 11	11 1.77	+ 2 53.1	1.187	2.126	11.0	18.0
2 21	10 54.24	+ 3 43.0	1.148	2.125	5.7	17.7
3 2	10 45.38	+ 4 45.5	1.133	2.124	1.4	17.4
3 12	10 36.63	+ 5 51.2	1.144	2.124	6.2	17.7
3 22	10 29.38	+ 6 50.6	1.180	2.124	11.5	18.0
4 1	10 24.67	+ 7 36.6	1.237	2.126	16.2	18.3
411288 2010 TH_{13}			2 29.6 60°.40		2°.9/ 2.9 18	
1 22	11 11.87	− 1 30.7	1.593	2.362	18.2	21.2
2 1	11 8.44	− 1 34.2	1.519	2.374	14.8	21.0
2 11	11 2.40	− 1 16.8	1.464	2.387	10.7	20.8
2 21	10 54.38	− 0 40.2	1.433	2.401	6.2	20.6
3 2	10 45.37	+ 0 11.0	1.428	2.414	3.0	20.4
3 12	10 36.61	+ 1 9.7	1.450	2.428	5.4	20.6
3 22	10 29.22	+ 2 8.0	1.498	2.441	9.7	20.8
4 1	10 24.04	+ 2 59.1	1.571	2.455	13.6	21.1
302502 2002 GQ_{128}			2 29.6 3°.04		2°.6/ 2.4 18	
1 22	11 9.42	+ 0 4.7	1.321	2.115	20.0	20.4
2 1	11 7.20	− 0 0.4	1.242	2.114	16.2	20.2
2 11	11 1.98	+ 0 17.6	1.181	2.114	11.7	19.9
2 21	10 54.34	+ 0 57.0	1.141	2.114	6.5	19.6
3 2	10 45.37	+ 1 52.7	1.127	2.115	2.6	19.4
3 12	10 36.53	+ 2 56.0	1.137	2.117	6.1	19.6
3 22	10 29.20	+ 3 57.2	1.172	2.120	11.3	19.9
4 1	10 24.44	+ 4 48.3	1.229	2.123	15.9	20.1
186086 2001 SW_{258}			2 29.6 130°.08		2°.3/ 2.6 18	
1 22	11 10.85	− 0 44.1	1.844	2.606	16.3	21.1
2 1	11 7.42	− 0 37.5	1.754	2.607	13.2	20.9
2 11	11 1.63	− 0 12.2	1.685	2.609	9.5	20.6
2 21	10 54.02	+ 0 29.9	1.641	2.610	5.4	20.4
3 2	10 45.43	+ 1 24.5	1.624	2.612	2.3	20.2
3 12	10 36.93	+ 2 25.2	1.635	2.613	4.9	20.4
3 22	10 29.53	+ 3 24.9	1.674	2.614	9.0	20.6
4 1	10 24.07	+ 4 17.4	1.737	2.616	12.8	20.8
226750 2004 RD_{28}			2 29.6 67°.22		1°.2/ 1.6 18	
1 22	11 15.42	+ 3 31.9	1.814	2.586	16.2	20.6
2 1	11 10.73	+ 3 25.1	1.746	2.608	12.9	20.4
2 11	11 3.67	+ 3 32.3	1.700	2.630	8.9	20.3
2 21	10 54.88	+ 3 50.8	1.678	2.653	4.6	20.0
3 2	10 45.32	+ 4 16.4	1.685	2.675	1.3	19.8
3 12	10 36.10	+ 4 43.8	1.721	2.697	4.9	20.1
3 22	10 28.22	+ 5 8.2	1.784	2.720	8.9	20.4
4 1	10 22.40	+ 5 25.5	1.872	2.742	12.5	20.7
354040 2001 SC_{3}			2 29.6 108°.68		2°.6/27.7 15	
1 22	11 20.47	+12 28.6	1.670	2.463	16.5	21.7
2 1	11 14.92	+13 0.4	1.605	2.484	12.8	21.5
2 11	11 6.61	+13 40.8	1.563	2.504	8.5	21.2
2 21	10 56.28	+14 23.3	1.546	2.524	4.2	21.0
3 2	10 45.08	+15 0.7	1.558	2.543	3.1	21.0
3 12	10 34.33	+15 26.5	1.598	2.561	6.9	21.3
3 22	10 25.19	+15 37.4	1.665	2.579	11.0	21.6
4 1	10 18.48	+15 32.4	1.756	2.595	14.6	21.8
396815 2004 QG_{24}			2 29.6 120°.13		10°.8/13.4 18	
1 22	11 16.75	−26 56.9	2.176	2.746	18.9	20.9
2 1	11 11.83	−27 56.0	2.097	2.769	17.2	20.8
2 11	11 4.50	−28 27.1	2.033	2.792	15.2	20.7
2 21	10 55.34	−28 25.7	1.988	2.813	13.2	20.6
3 2	10 45.23	−27 49.9	1.965	2.834	11.6	20.5
3 12	10 35.30	−26 42.2	1.966	2.853	10.9	20.5
3 22	10 26.56	−25 9.1	1.993	2.872	11.3	20.6
4 1	10 19.85	−23 19.8	2.044	2.889	12.6	20.7
297464 2000 SP_{323}			2 29.6 173°.74		3°.1/ 4.7 17	
1 22	11 6.64	− 6 57.3	2.705	3.418	12.8	21.7
2 1	11 3.37	− 6 38.0	2.603	3.419	10.6	21.5
2 11	10 58.50	− 6 1.5	2.523	3.420	8.0	21.3
2 21	10 52.43	− 5 8.7	2.469	3.421	5.3	21.2
3 2	10 45.72	− 4 2.5	2.444	3.421	3.3	21.0
3 12	10 39.06	− 2 47.6	2.449	3.422	4.0	21.1
3 22	10 33.10	− 1 29.4	2.483	3.422	6.6	21.2
4 1	10 28.39	− 0 13.6	2.545	3.422	9.3	21.4
216501 2000 EP_{203}			2 29.6 217°.29		3°.6/ 4.1 17	
1 22	11 12.80	− 5 11.0	2.348	3.068	14.4	21.3
2 1	11 8.53	− 5 18.4	2.238	3.058	12.0	21.1
2 11	11 2.21	− 5 8.9	2.148	3.049	9.0	20.9
2 21	10 54.27	− 4 42.6	2.085	3.038	5.9	20.7
3 2	10 45.40	− 4 1.4	2.049	3.027	3.7	20.5
3 12	10 36.47	− 3 9.6	2.044	3.015	4.8	20.6
3 22	10 28.35	− 2 12.6	2.067	3.003	7.9	20.7
4 1	10 21.80	− 1 16.3	2.117	2.990	11.1	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
41957 2000 XD_{27}			2 29.6 298°.04		6°.2/25.0 18	
	h m	° ′			°	m
1 22	11 14.75	+19 16.4	1.495	2.317	16.7	18.5
2 1	11 11.41	+20 12.9	1.406	2.300	13.2	18.2
2 11	11 4.90	+21 15.8	1.340	2.283	9.5	18.0
2 21	10 55.77	+22 15.8	1.297	2.266	6.5	17.7
3 2	10 45.13	+23 2.1	1.280	2.250	6.9	17.7
3 12	10 34.51	+23 26.0	1.289	2.233	10.4	17.9
3 22	10 25.40	+23 23.4	1.321	2.217	14.6	18.1
4 1	10 18.95	+22 54.5	1.374	2.202	18.5	18.3
268036 2004 PS_{68}			2 29.6 262°.82		5°.3/ 4.9 17	
1 22	11 12.46	− 7 28.3	2.077	2.794	16.1	20.5
2 1	11 8.64	− 8 4.4	1.966	2.780	13.6	20.3
2 11	11 2.51	− 8 22.3	1.875	2.765	10.7	20.0
2 21	10 54.50	− 8 20.7	1.807	2.750	7.6	19.8
3 2	10 45.36	− 7 59.9	1.766	2.735	5.5	19.7
3 12	10 36.07	− 7 22.9	1.754	2.719	6.1	19.7
3 22	10 27.67	− 6 35.3	1.768	2.703	9.0	19.8
4 1	10 21.04	− 5 43.6	1.808	2.688	12.4	20.0
449109 2012 WR_{13}			2 29.6 53°.29		1°.1/ 1.4 18	
1 22	11 11.80	+ 1 59.2	1.317	2.114	19.9	21.8
2 1	11 9.04	+ 2 19.8	1.241	2.118	15.9	21.6
2 11	11 3.20	+ 3 3.7	1.184	2.122	11.1	21.3
2 21	10 54.91	+ 4 7.2	1.150	2.127	5.6	21.0
3 2	10 45.30	+ 5 22.6	1.141	2.131	1.2	20.7
3 12	10 35.90	+ 6 39.5	1.157	2.136	6.3	21.1
3 22	10 28.08	+ 7 47.9	1.199	2.141	11.7	21.4
4 1	10 22.91	+ 8 40.5	1.262	2.145	16.3	21.6
320911 2008 GT_{88}			2 29.6 259°.76		0°.8/28.9 17	
1 22	11 11.22	+ 6 49.1	1.959	2.745	14.7	21.7
2 1	11 7.73	+ 7 23.5	1.857	2.731	11.6	21.4
2 11	11 1.91	+ 8 12.1	1.777	2.716	7.9	21.2
2 21	10 54.21	+ 9 10.8	1.722	2.702	3.6	20.9
3 2	10 45.42	+10 13.5	1.697	2.686	1.3	20.7
3 12	10 36.58	+11 13.0	1.700	2.671	5.6	20.9
3 22	10 28.72	+12 3.2	1.730	2.656	9.9	21.2
4 1	10 22.72	+12 39.4	1.785	2.640	13.7	21.4
284657 2008 AM_{32}			2 29.6 157°.52		7°.3/10.1 18	
1 22	11 12.81	−21 20.0	3.154	3.742	13.2	21.5
2 1	11 8.03	−22 15.4	3.053	3.749	11.8	21.4
2 11	11 1.60	−22 53.4	2.971	3.755	10.3	21.3
2 21	10 53.90	−23 11.8	2.911	3.761	8.8	21.2
3 2	10 45.49	−23 9.5	2.878	3.766	7.7	21.1
3 12	10 37.07	−22 47.7	2.871	3.771	7.4	21.1
3 22	10 29.31	−22 9.4	2.892	3.775	8.0	21.2
4 1	10 22.81	−21 19.4	2.939	3.779	9.3	21.2
178132 2006 TL_{49}			2 29.6 115°.31		0°.1/29.6 18	
1 22	11 9.39	+ 5 29.0	2.606	3.374	11.9	21.0
2 1	11 5.47	+ 5 51.2	2.520	3.383	9.3	20.9
2 11	10 59.87	+ 6 23.4	2.458	3.392	6.3	20.7
2 21	10 53.06	+ 7 2.8	2.424	3.401	3.0	20.5
3 2	10 45.64	+ 7 45.3	2.420	3.410	0.5	20.3
3 12	10 38.35	+ 8 26.5	2.445	3.419	3.9	20.6
3 22	10 31.85	+ 9 2.6	2.500	3.428	7.1	20.8
4 1	10 26.72	+ 9 30.4	2.581	3.436	10.0	21.0
497962 2007 AA_{28}			2 29.6 307°.97		4°.2/25.3 17	
1 22	11 7.40	+12 34.1	1.672	2.489	15.4	21.3
2 1	11 5.17	+14 6.5	1.583	2.477	12.0	21.1
2 11	11 0.39	+15 54.1	1.517	2.466	8.1	20.8
2 21	10 53.56	+17 48.2	1.478	2.454	4.7	20.6
3 2	10 45.53	+19 37.6	1.466	2.443	5.0	20.6
3 12	10 37.50	+21 11.4	1.481	2.432	8.7	20.8
3 22	10 30.62	+22 21.9	1.522	2.421	12.8	21.0
4 1	10 25.86	+23 5.5	1.584	2.411	16.5	21.2
3351 Smith			2 29.6 135°.73		1°.9/ 3.2 18	
1 22	11 8.56	− 3 2.1	2.946	3.671	11.6	18.8
2 1	11 4.61	− 2 34.5	2.856	3.685	9.4	18.6
2 11	10 59.20	− 1 53.0	2.788	3.698	6.8	18.5
2 21	10 52.72	− 0 59.5	2.748	3.711	4.0	18.3
3 2	10 45.71	+ 0 2.8	2.739	3.724	1.9	18.2
3 12	10 38.81	+ 1 9.3	2.760	3.736	3.4	18.3
3 22	10 32.60	+ 2 15.5	2.812	3.747	6.1	18.5
4 1	10 27.57	+ 3 17.0	2.891	3.758	8.7	18.7
233510 2007 EK_{168}			2 29.6 293°.74		0°.2/29.8 18	
1 22	11 9.79	+ 3 27.9	1.378	2.180	18.9	20.7
2 1	11 7.63	+ 3 57.2	1.284	2.165	15.2	20.4
2 11	11 2.43	+ 4 49.5	1.208	2.149	10.5	20.0
2 21	10 54.67	+ 6 1.3	1.155	2.134	5.1	19.7
3 2	10 45.34	+ 7 25.0	1.128	2.119	0.8	19.3
3 12	10 35.90	+ 8 49.8	1.127	2.104	6.7	19.7
3 22	10 27.80	+10 4.8	1.150	2.089	12.3	19.9
4 1	10 22.25	+11 2.2	1.195	2.074	17.3	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
146459 2001 RJ_{39}		2 29.6	30°.55	0°.8/29.1 18		
	h m	° ′			°	m
1 22	11 13.14	+ 8 25.8	1.275	2.091	19.4	19.3
2 1	11 9.91	+ 8 28.4	1.217	2.108	15.2	19.1
2 11	11 3.59	+ 8 45.1	1.179	2.125	10.2	18.8
2 21	10 54.97	+ 9 10.8	1.164	2.144	4.7	18.6
3 2	10 45.34	+ 9 38.5	1.173	2.164	1.3	18.4
3 12	10 36.22	+10 0.8	1.209	2.184	6.6	18.8
3 22	10 28.89	+10 12.6	1.268	2.206	11.6	19.1
4 1	10 24.22	+10 10.9	1.350	2.228	15.8	19.5
185880 2000 OQ_{41}		2 29.6	251°.41	2°.2/ 2.9 17		
1 22	11 8.35	− 3 20.9	2.074	2.821	15.2	20.3
2 1	11 5.35	− 2 42.6	1.965	2.809	12.4	20.1
2 11	11 0.22	− 1 42.4	1.878	2.796	9.1	19.8
2 21	10 53.40	− 0 22.1	1.816	2.783	5.2	19.6
3 2	10 45.58	+ 1 13.5	1.783	2.770	2.2	19.3
3 12	10 37.71	+ 2 56.7	1.779	2.757	4.6	19.5
3 22	10 30.70	+ 4 38.6	1.804	2.743	8.6	19.7
4 1	10 25.37	+ 6 12.4	1.855	2.729	12.4	19.9
423319 2005 EG_{312}		2 29.6	51°.75	1°.6/28.2 17		
1 22	11 13.72	+11 24.0	2.018	2.809	14.1	21.4
2 1	11 9.37	+11 37.9	1.936	2.814	11.0	21.2
2 11	11 2.78	+11 59.4	1.878	2.819	7.3	21.0
2 21	10 54.51	+12 24.3	1.846	2.825	3.5	20.7
3 2	10 45.42	+12 47.4	1.842	2.830	2.0	20.6
3 12	10 36.52	+13 3.9	1.868	2.835	5.6	20.9
3 22	10 28.76	+13 10.5	1.921	2.841	9.4	21.1
4 1	10 22.89	+13 5.2	1.998	2.847	12.7	21.3
316658 1993 TC_{46}		2 29.6	126°.67	2°.7/ 3.6 18		
1 22	11 10.91	− 4 50.4	2.213	2.943	14.9	20.7
2 1	11 6.95	− 4 18.5	2.128	2.958	12.1	20.5
2 11	11 1.03	− 3 26.8	2.064	2.973	8.9	20.3
2 21	10 53.66	− 2 17.4	2.026	2.988	5.4	20.2
3 2	10 45.56	− 0 54.9	2.017	3.002	2.7	20.0
3 12	10 37.62	+ 0 34.1	2.039	3.015	4.3	20.1
3 22	10 30.65	+ 2 2.3	2.090	3.028	7.7	20.4
4 1	10 25.30	+ 3 23.2	2.167	3.040	10.9	20.6
499026 2009 DR_{20}		2 29.6	87°.73	0°.8/28.7 18		
1 22	11 8.87	+ 6 30.3	2.285	3.065	13.0	21.6
2 1	11 5.29	+ 7 18.8	2.209	3.080	10.1	21.4
2 11	10 59.86	+ 8 19.0	2.157	3.096	6.7	21.2
2 21	10 53.09	+ 9 26.6	2.131	3.111	3.1	21.0
3 2	10 45.67	+10 35.6	2.136	3.126	1.2	20.9
3 12	10 38.43	+11 39.9	2.170	3.140	4.7	21.2
3 22	10 32.11	+12 34.7	2.233	3.155	8.2	21.4
4 1	10 27.33	+13 16.6	2.321	3.170	11.2	21.6
138152 2000 EO_{68}		2 29.6	11°.48	1°.9/ 2.0 18 R		
1 22	11 9.22	+ 0 57.2	1.479	2.268	18.5	19.9
2 1	11 6.71	+ 1 3.5	1.398	2.269	14.9	19.6
2 11	11 1.46	+ 1 30.8	1.337	2.271	10.5	19.4
2 21	10 54.05	+ 2 16.6	1.299	2.273	5.7	19.1
3 2	10 45.50	+ 3 15.2	1.287	2.276	1.9	18.9
3 12	10 37.09	+ 4 18.5	1.301	2.280	5.6	19.1
3 22	10 30.04	+ 5 17.9	1.340	2.284	10.5	19.4
4 1	10 25.30	+ 6 6.5	1.403	2.289	14.8	19.7
498777 2008 UZ_{129}		2 29.6	140°.67	0°.1/29.5 17		
1 22	11 11.11	+ 5 43.2	2.270	3.042	13.3	22.5
2 1	11 7.11	+ 6 5.5	2.182	3.048	10.5	22.3
2 11	11 1.15	+ 6 39.4	2.117	3.053	7.1	22.1
2 21	10 53.73	+ 7 21.5	2.080	3.057	3.3	21.8
3 2	10 45.57	+ 8 7.1	2.071	3.062	0.6	21.6
3 12	10 37.52	+ 8 51.0	2.093	3.066	4.5	21.9
3 22	10 30.41	+ 9 28.7	2.143	3.071	8.1	22.2
4 1	10 24.89	+ 9 56.7	2.218	3.074	11.3	22.4
272456 2005 US_{51}		2 29.6	152°.67	1°.0/28.5 18		
1 22	11 14.47	+ 9 3.0	2.401	3.174	12.7	21.9
2 1	11 9.57	+ 9 30.3	2.315	3.183	9.9	21.7
2 11	11 2.72	+10 6.4	2.254	3.192	6.6	21.5
2 21	10 54.45	+10 47.3	2.221	3.200	3.0	21.3
3 2	10 45.46	+11 28.3	2.218	3.207	1.4	21.2
3 12	10 36.63	+12 4.4	2.246	3.214	4.8	21.4
3 22	10 28.75	+12 32.0	2.303	3.220	8.2	21.6
4 1	10 22.47	+12 48.6	2.385	3.225	11.2	21.8
466465 2013 TH_{125}		2 29.6	166°.66	1°.2/ 1.9 18		
1 22	11 10.72	+ 1 22.6	2.307	3.063	13.6	21.8
2 1	11 6.81	+ 1 39.7	2.213	3.066	10.9	21.6
2 11	11 0.97	+ 2 11.0	2.142	3.068	7.6	21.4
2 21	10 53.66	+ 2 54.1	2.098	3.071	4.0	21.2
3 2	10 45.58	+ 3 45.1	2.083	3.072	1.2	21.0
3 12	10 37.59	+ 4 38.6	2.098	3.074	4.1	21.2
3 22	10 30.48	+ 5 29.5	2.141	3.075	7.7	21.4
4 1	10 24.92	+ 6 13.1	2.210	3.076	11.0	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
322119 2010 VT_{166}		2 29.6	60°.33	1°.6/28.3 18		
	h m	° ′			°	m
1 22	11 12.46	+ 9 5.7	1.632	2.433	16.5	21.2
2 1	11 8.88	+ 9 40.5	1.559	2.443	12.8	21.0
2 11	11 2.70	+10 28.1	1.509	2.453	8.6	20.7
2 21	10 54.55	+11 22.9	1.483	2.463	4.0	20.5
3 2	10 45.44	+12 17.3	1.485	2.474	2.1	20.4
3 12	10 36.60	+13 3.9	1.515	2.484	6.4	20.7
3 22	10 29.13	+13 37.0	1.570	2.495	10.7	20.9
4 1	10 23.88	+13 53.8	1.648	2.506	14.5	21.2
244119 2001 VH_{16}		2 29.6	148°.59	3°.8/ 5.1 17		
1 22	11 9.29	− 7 30.3	2.723	3.427	12.9	20.7
2 1	11 5.39	− 7 39.2	2.626	3.433	10.8	20.6
2 11	10 59.86	− 7 32.4	2.550	3.438	8.3	20.4
2 21	10 53.10	− 7 10.1	2.500	3.443	5.8	20.2
3 2	10 45.69	− 6 34.0	2.478	3.448	4.0	20.1
3 12	10 38.34	− 5 47.8	2.486	3.453	4.4	20.2
3 22	10 31.72	− 4 55.8	2.523	3.458	6.7	20.3
4 1	10 26.41	− 4 2.9	2.587	3.462	9.2	20.5
317757 2003 SV_{75}		2 29.6	179°.15	0°.6/29.0 18		
1 22	11 14.73	+ 6 39.5	2.141	2.913	14.0	22.2
2 1	11 10.11	+ 7 12.6	2.049	2.915	11.0	22.0
2 11	11 3.29	+ 7 58.0	1.980	2.916	7.4	21.7
2 21	10 54.80	+ 8 51.7	1.938	2.917	3.4	21.5
3 2	10 45.41	+ 9 48.1	1.927	2.917	1.0	21.3
3 12	10 36.10	+10 41.1	1.945	2.916	5.1	21.6
3 22	10 27.82	+11 25.3	1.992	2.914	9.0	21.8
4 1	10 21.33	+11 57.3	2.064	2.912	12.4	22.0
429059 2009 DR_{122}		2 29.6	215°.51	0°.6/ 1.4 17		
1 22	11 7.20	+ 2 9.0	2.613	3.372	12.1	21.8
2 1	11 3.88	+ 2 43.4	2.513	3.369	9.6	21.6
2 11	10 58.91	+ 3 31.1	2.436	3.365	6.7	21.4
2 21	10 52.67	+ 4 29.3	2.387	3.362	3.4	21.2
3 2	10 45.76	+ 5 33.9	2.368	3.358	0.7	20.9
3 12	10 38.89	+ 6 39.6	2.378	3.354	3.8	21.2
3 22	10 32.73	+ 7 41.3	2.418	3.350	7.1	21.4
4 1	10 27.87	+ 8 34.8	2.485	3.346	10.1	21.6
163459 2002 RT_{138}		2 29.6	116°.96	5°.1/23.9 18		
1 22	11 12.96	+21 57.6	2.332	3.134	12.1	19.6
2 1	11 8.55	+23 0.2	2.264	3.144	9.5	19.5
2 11	11 2.10	+24 3.4	2.221	3.154	6.9	19.3
2 21	10 54.16	+25 0.7	2.205	3.164	5.2	19.3
3 2	10 45.53	+25 45.5	2.218	3.173	5.7	19.3
3 12	10 37.12	+26 13.3	2.260	3.182	7.9	19.4
3 22	10 29.78	+26 22.1	2.328	3.191	10.5	19.6
4 1	10 24.15	+26 12.2	2.418	3.200	12.8	19.8
472021 2013 XH_{18}		2 29.6	122°.52	4°.9/24.0 17		
1 22	11 12.70	+21 25.8	2.374	3.176	11.9	21.5
2 1	11 8.30	+22 29.4	2.305	3.186	9.3	21.3
2 11	11 1.92	+23 34.0	2.262	3.196	6.8	21.2
2 21	10 54.08	+24 33.2	2.246	3.206	5.1	21.1
3 2	10 45.55	+25 20.7	2.259	3.215	5.5	21.2
3 12	10 37.23	+25 51.5	2.301	3.225	7.7	21.3
3 22	10 29.95	+26 3.9	2.369	3.234	10.3	21.5
4 1	10 24.34	+25 57.7	2.460	3.242	12.6	21.7
190021 2004 PZ_{55}		2 29.6	202°.29	0°.3/29.3 18		
1 22	11 15.53	+ 7 41.2	2.591	3.353	12.1	20.8
2 1	11 10.36	+ 7 50.0	2.488	3.348	9.5	20.6
2 11	11 3.28	+ 8 6.9	2.409	3.342	6.5	20.4
2 21	10 54.75	+ 8 29.4	2.358	3.336	3.0	20.2
3 2	10 45.43	+ 8 53.7	2.339	3.329	0.7	20.0
3 12	10 36.15	+ 9 15.9	2.350	3.322	4.3	20.2
3 22	10 27.70	+ 9 32.7	2.391	3.313	7.7	20.4
4 1	10 20.74	+ 9 41.7	2.459	3.305	10.7	20.6
430726 2004 FV_{84}		2 29.6	22°.09	2°.8/ 3.5 17		
1 22	11 6.47	− 3 18.6	1.914	2.671	16.0	20.8
2 1	11 3.89	− 3 6.0	1.829	2.676	13.0	20.6
2 11	10 59.19	− 2 33.1	1.765	2.682	9.5	20.4
2 21	10 52.88	− 1 41.6	1.724	2.689	5.8	20.2
3 2	10 45.74	− 0 35.8	1.711	2.696	2.9	20.0
3 12	10 38.72	+ 0 37.7	1.726	2.703	4.7	20.1
3 22	10 32.72	+ 1 51.5	1.768	2.711	8.4	20.4
4 1	10 28.46	+ 2 58.7	1.835	2.720	11.9	20.6
181048 2005 PS_{3}		2 29.6	174°.76	4°.6/22.8 18		
1 22	11 10.22	+23 43.8	3.123	3.919	9.5	20.9
2 1	11 5.99	+24 51.4	3.047	3.922	7.5	20.7
2 11	11 0.19	+25 58.8	2.996	3.924	5.6	20.6
2 21	10 53.24	+27 0.9	2.975	3.925	4.6	20.5
3 2	10 45.70	+27 52.6	2.984	3.926	5.1	20.6
3 12	10 38.25	+28 30.0	3.021	3.927	6.8	20.7
3 22	10 31.53	+28 51.4	3.086	3.927	8.8	20.8
4 1	10 26.06	+28 56.4	3.175	3.927	10.7	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
348156 2004 GE_{58}			2 29.6 96°.01 4°.5/24.9 17			
	h m	° ′			°	m
1 22	11 12.46	+20 18.6	2.336	3.138	12.1	20.8
2 1	11 8.18	+21 5.6	2.260	3.142	9.5	20.6
2 11	11 1.87	+21 54.4	2.208	3.145	6.7	20.4
2 21	10 54.08	+22 38.8	2.183	3.148	4.7	20.3
3 2	10 45.56	+23 13.0	2.188	3.152	5.0	20.3
3 12	10 37.23	+23 32.6	2.220	3.155	7.3	20.5
3 22	10 29.93	+23 35.3	2.280	3.158	10.0	20.6
4 1	10 24.30	+23 21.1	2.363	3.162	12.6	20.8
522758 2016 NJ_{75}			2 29.6 254°.98 3°.8/ 4.6 17			
1 22	11 9.61	− 5 47.6	2.473	3.192	13.7	21.2
2 1	11 5.92	− 6 5.2	2.367	3.186	11.5	21.0
2 11	11 0.38	− 6 7.1	2.283	3.180	8.8	20.8
2 21	10 53.42	− 5 53.4	2.224	3.173	6.0	20.6
3 2	10 45.66	− 5 25.4	2.192	3.166	4.0	20.5
3 12	10 37.89	− 4 46.6	2.190	3.160	4.7	20.5
3 22	10 30.88	− 4 1.7	2.216	3.153	7.4	20.7
4 1	10 25.29	− 3 15.8	2.269	3.146	10.3	20.8
404908 2014 KH_{92}			2 29.6 229°.38 3°.9/ 3.6 17			
1 22	11 14.10	− 3 34.9	1.762	2.509	17.5	21.7
2 1	11 10.28	− 3 50.3	1.661	2.501	14.5	21.5
2 11	11 3.83	− 3 45.6	1.580	2.493	10.9	21.3
2 21	10 55.23	− 3 20.5	1.523	2.484	6.9	21.0
3 2	10 45.35	− 2 37.6	1.492	2.474	4.0	20.8
3 12	10 35.41	− 1 42.4	1.489	2.464	5.7	20.9
3 22	10 26.59	− 0 42.2	1.513	2.454	9.8	21.1
4 1	10 19.88	+ 0 15.3	1.562	2.443	13.9	21.3
223659 2004 PM_{26}			2 29.6 95°.61 1°.0/28.6 18			
1 22	11 12.08	+ 7 17.8	2.054	2.836	14.2	21.2
2 1	11 7.96	+ 8 1.7	1.983	2.856	11.0	21.1
2 11	11 1.75	+ 8 57.5	1.936	2.875	7.3	20.9
2 21	10 54.02	+10 0.3	1.915	2.894	3.3	20.6
3 2	10 45.59	+11 3.7	1.923	2.913	1.4	20.5
3 12	10 37.40	+12 1.4	1.962	2.931	5.2	20.8
3 22	10 30.33	+12 48.3	2.027	2.949	8.9	21.1
4 1	10 25.02	+13 21.3	2.118	2.967	12.1	21.3
315333 2007 TK_{393}			2 29.6 162°.44 3°.0/ 3.1 18			
1 22	11 15.29	− 2 3.7	1.926	2.670	16.3	20.9
2 1	11 10.80	− 2 12.3	1.835	2.675	13.3	20.7
2 11	11 3.90	− 2 3.1	1.765	2.680	9.8	20.5
2 21	10 55.14	− 1 37.1	1.720	2.684	5.9	20.3
3 2	10 45.39	− 0 57.3	1.703	2.687	3.1	20.1
3 12	10 35.73	− 0 9.3	1.715	2.690	5.1	20.2
3 22	10 27.20	+ 0 40.8	1.755	2.692	8.9	20.5
4 1	10 20.64	+ 1 26.8	1.820	2.694	12.5	20.7
334939 2004 BU_{89}			2 29.6 34°.13 1°.0/28.5 18			
1 22	11 5.13	+ 2 51.8	1.762	2.553	15.9	19.2
2 1	11 2.98	+ 4 29.0	1.689	2.567	12.4	19.0
2 11	10 58.63	+ 6 27.5	1.639	2.581	8.2	18.8
2 21	10 52.63	+ 8 40.0	1.616	2.596	3.7	18.6
3 2	10 45.81	+10 56.1	1.622	2.611	1.5	18.4
3 12	10 39.18	+13 4.4	1.657	2.627	5.9	18.8
3 22	10 33.66	+14 55.6	1.720	2.644	10.0	19.0
4 1	10 29.97	+16 24.0	1.807	2.661	13.6	19.3
28183 Naidu			2 29.6 87°.59 1°.0/ 1.4 18			
1 22	11 13.62	+ 2 17.8	1.455	2.242	18.8	19.2
2 1	11 10.10	+ 2 38.4	1.382	2.253	15.0	19.0
2 11	11 3.71	+ 3 19.7	1.330	2.265	10.4	18.8
2 21	10 55.11	+ 4 17.8	1.300	2.277	5.2	18.5
3 2	10 45.40	+ 5 25.5	1.298	2.288	1.1	18.2
3 12	10 35.97	+ 6 33.7	1.322	2.300	5.8	18.6
3 22	10 28.07	+ 7 34.0	1.372	2.311	10.8	18.9
4 1	10 22.62	+ 8 20.3	1.445	2.322	15.0	19.2
366847 2005 QQ_{160}			2 29.6 173°.64 1°.5/28.0 18			
1 22	11 12.77	+ 9 26.8	2.289	3.070	13.0	22.5
2 1	11 8.44	+10 9.5	2.200	3.073	10.1	22.3
2 11	11 2.09	+11 2.2	2.136	3.075	6.7	22.1
2 21	10 54.22	+12 0.3	2.098	3.077	3.2	21.9
3 2	10 45.55	+12 57.9	2.091	3.079	1.9	21.8
3 12	10 36.99	+13 49.3	2.114	3.079	5.3	22.0
3 22	10 29.36	+14 29.9	2.165	3.079	8.8	22.2
4 1	10 23.38	+14 57.0	2.242	3.079	11.9	22.4
295310 2008 GY_{124}			2 29.6 271°.19 1°.8/ 2.5 18			
1 22	11 7.64	− 2 34.6	1.815	2.577	16.6	21.0
2 1	11 5.06	− 1 48.3	1.718	2.572	13.4	20.8
2 11	11 0.16	− 0 37.7	1.642	2.567	9.6	20.6
2 21	10 53.44	+ 0 54.5	1.591	2.562	5.3	20.3
3 2	10 45.67	+ 2 42.0	1.568	2.557	1.9	20.0
3 12	10 37.92	+ 4 35.4	1.573	2.551	5.0	20.2
3 22	10 31.20	+ 6 24.6	1.606	2.546	9.4	20.5
4 1	10 26.37	+ 8 1.0	1.665	2.541	13.4	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
18860 1999 RL_{133}			2 29.6 351°.79 3°.6/ 4.7 18			
	h m	° ′			°	m
1 22	11 5.59	− 6 39.6	2.235	2.965	14.7	17.7
2 1	11 2.96	− 6 27.1	2.136	2.963	12.2	17.5
2 11	10 58.47	− 5 54.5	2.058	2.961	9.3	17.3
2 21	10 52.54	− 5 2.7	2.005	2.959	6.1	17.1
3 2	10 45.83	− 3 54.6	1.980	2.958	3.7	17.0
3 12	10 39.17	− 2 35.9	1.983	2.957	4.6	17.0
3 22	10 33.33	− 1 13.5	2.014	2.956	7.6	17.2
4 1	10 28.99	+ 0 6.0	2.071	2.956	10.8	17.4
26655 2000 SV_{87}			2 29.6 78°.34 6°.6/23.4 18			
1 22	11 14.12	+23 11.9	1.879	2.692	14.2	18.0
2 1	11 10.06	+24 23.0	1.810	2.695	11.2	17.8
2 11	11 3.45	+25 34.9	1.764	2.697	8.4	17.7
2 21	10 54.92	+26 38.7	1.744	2.700	6.6	17.6
3 2	10 45.45	+27 25.9	1.751	2.703	7.3	17.6
3 12	10 36.22	+27 50.7	1.785	2.705	9.8	17.8
3 22	10 28.33	+27 51.1	1.843	2.708	12.7	17.9
4 1	10 22.59	+27 28.2	1.923	2.710	15.5	18.1
383724 2007 UJ_{87}			2 29.6 5°.04 5°.9/23.9 17			
1 22	11 12.28	+22 47.2	1.971	2.785	13.6	20.3
2 1	11 8.48	+23 42.4	1.899	2.785	10.7	20.1
2 11	11 2.31	+24 38.1	1.850	2.786	7.9	19.9
2 21	10 54.36	+25 26.5	1.827	2.787	6.1	19.8
3 2	10 45.55	+26 0.5	1.832	2.788	6.6	19.8
3 12	10 36.96	+26 14.7	1.863	2.790	9.0	20.0
3 22	10 29.61	+26 7.4	1.919	2.792	11.9	20.2
4 1	10 24.25	+25 39.5	1.997	2.794	14.7	20.4
143293 2003 AS_{34}			2 29.6 133°.46 0°.9/ 1.6 18			
1 22	11 13.45	+ 1 51.4	2.281	3.034	13.8	20.7
2 1	11 8.85	+ 2 17.8	2.198	3.050	11.0	20.5
2 11	11 2.29	+ 2 58.4	2.139	3.065	7.6	20.3
2 21	10 54.28	+ 3 50.3	2.106	3.080	3.9	20.1
3 2	10 45.57	+ 4 48.6	2.104	3.094	0.9	19.9
3 12	10 37.03	+ 5 47.8	2.131	3.107	4.2	20.2
3 22	10 29.47	+ 6 42.5	2.188	3.120	7.8	20.4
4 1	10 23.56	+ 7 28.3	2.272	3.131	11.0	20.6
469393 2001 TZ_{90}			2 29.6 271°.31 3°.8/ 5.1 16			
1 22	11 10.49	− 8 27.2	2.909	3.600	12.4	23.0
2 1	11 6.52	− 8 23.1	2.766	3.564	10.5	22.8
2 11	11 0.81	− 8 2.4	2.645	3.528	8.2	22.6
2 21	10 53.68	− 7 24.8	2.550	3.492	5.8	22.4
3 2	10 45.64	− 6 31.4	2.483	3.454	3.9	22.2
3 12	10 37.39	− 5 25.5	2.448	3.415	4.5	22.2
3 22	10 29.64	− 4 11.9	2.442	3.376	7.0	22.3
4 1	10 23.06	− 2 56.3	2.465	3.335	9.8	22.4
292564 2006 TL_{71}			2 29.6 198°.98 1°.4/ 2.4 17			
1 22	11 9.09	+ 0 16.7	3.000	3.739	11.1	21.8
2 1	11 5.11	+ 0 29.7	2.894	3.735	9.0	21.7
2 11	10 59.63	+ 0 54.2	2.813	3.731	6.4	21.5
2 21	10 53.01	+ 1 28.6	2.758	3.727	3.5	21.3
3 2	10 45.78	+ 2 10.0	2.734	3.722	1.4	21.1
3 12	10 38.56	+ 2 54.8	2.741	3.717	3.4	21.3
3 22	10 31.98	+ 3 39.0	2.777	3.711	6.2	21.4
4 1	10 26.56	+ 4 19.1	2.842	3.705	8.9	21.6
323743 2005 MX_{44}			2 29.6 130°.50 0°.5/29.1 18			
1 22	11 10.47	+ 4 16.4	2.015	2.791	14.6	21.3
2 1	11 6.88	+ 5 16.0	1.933	2.801	11.5	21.1
2 11	11 1.15	+ 6 32.0	1.873	2.811	7.7	20.9
2 21	10 53.81	+ 7 59.2	1.841	2.820	3.6	20.6
3 2	10 45.65	+ 9 30.4	1.838	2.828	1.0	20.4
3 12	10 37.63	+10 57.6	1.865	2.837	5.2	20.7
3 22	10 30.65	+12 13.9	1.920	2.845	9.1	21.0
4 1	10 25.44	+13 14.6	2.000	2.852	12.5	21.2
171488 1996 TO_{16}			2 29.6 123°.74 3°.4/ 3.7 18			
1 22	11 13.74	− 4 7.0	1.833	2.574	17.1	20.5
2 1	11 9.63	− 4 4.9	1.750	2.587	14.0	20.3
2 11	11 3.11	− 3 41.8	1.689	2.600	10.4	20.1
2 21	10 54.77	− 2 58.8	1.651	2.612	6.4	19.9
3 2	10 45.49	− 1 59.9	1.641	2.624	3.5	19.7
3 12	10 36.40	− 0 51.8	1.659	2.635	5.2	19.8
3 22	10 28.51	+ 0 18.1	1.706	2.646	8.9	20.1
4 1	10 22.64	+ 1 22.4	1.777	2.656	12.6	20.3
187041 2005 JS_{127}			2 29.6 239°.47 1°.3/ 1.6 18			
1 22	11 14.67	+ 1 5.3	1.751	2.517	16.9	21.3
2 1	11 10.87	+ 1 29.7	1.643	2.501	13.7	21.1
2 11	11 4.35	+ 2 14.8	1.555	2.484	9.7	20.8
2 21	10 55.55	+ 3 18.1	1.491	2.465	5.1	20.5
3 2	10 45.33	+ 4 34.4	1.456	2.446	1.3	20.1
3 12	10 34.93	+ 5 55.3	1.449	2.426	5.6	20.4
3 22	10 25.58	+ 7 12.1	1.470	2.405	10.5	20.6
4 1	10 18.38	+ 8 17.3	1.515	2.383	15.0	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
403977 2012 BX_{93}			2 29.6	115.°10	0.°2/29.5	18
	h m	° ′			°	m
1 22	11 15.48	+ 5 32.7	1.939	2.713	15.3	21.6
2 1	11 10.74	+ 5 58.4	1.865	2.731	12.0	21.5
2 11	11 3.71	+ 6 37.4	1.813	2.749	8.1	21.3
2 21	10 54.99	+ 7 25.5	1.788	2.766	3.8	21.0
3 2	10 45.47	+ 8 17.1	1.792	2.783	0.7	20.8
3 12	10 36.22	+ 9 5.7	1.825	2.799	5.0	21.2
3 22	10 28.20	+ 9 46.2	1.886	2.814	9.1	21.4
4 1	10 22.14	+10 14.9	1.973	2.829	12.5	21.7
290058 2005 QN_{59}			2 29.6	199.°84	1.°8/ 2.7	16
1 22	11 10.08	− 2 22.3	2.311	3.052	14.0	22.3
2 1	11 6.41	− 1 44.7	2.208	3.048	11.4	22.1
2 11	11 0.78	− 0 48.4	2.126	3.044	8.2	21.9
2 21	10 53.65	+ 0 24.2	2.072	3.039	4.6	21.7
3 2	10 45.68	+ 1 48.7	2.046	3.034	1.8	21.5
3 12	10 37.71	+ 3 18.4	2.051	3.028	4.2	21.6
3 22	10 30.58	+ 4 46.3	2.086	3.022	7.8	21.9
4 1	10 24.97	+ 6 6.0	2.148	3.015	11.2	22.1
191332 2003 PK_{7}			2 29.6	188.°36	1.°7/ 2.4	18
1 22	11 11.96	+ 0 30.4	2.490	3.235	13.0	20.6
2 1	11 7.67	+ 0 33.9	2.390	3.234	10.5	20.4
2 11	11 1.52	+ 0 50.3	2.313	3.233	7.5	20.2
2 21	10 53.96	+ 1 18.1	2.263	3.232	4.2	20.0
3 2	10 45.64	+ 1 54.3	2.242	3.230	1.7	19.8
3 12	10 37.36	+ 2 34.6	2.251	3.227	4.0	20.0
3 22	10 29.89	+ 3 14.5	2.290	3.224	7.3	20.2
4 1	10 23.88	+ 3 49.9	2.355	3.221	10.4	20.4
309421 2007 TJ_{367}			2 29.6	76.°26	4.°0/26.4	18
1 22	11 13.94	+13 29.5	1.524	2.338	16.9	20.7
2 1	11 10.21	+14 35.8	1.463	2.354	13.0	20.4
2 11	11 3.68	+15 52.4	1.423	2.369	8.7	20.2
2 21	10 55.06	+17 10.5	1.408	2.385	4.8	20.0
3 2	10 45.47	+18 20.1	1.421	2.401	4.6	20.1
3 12	10 36.26	+19 12.8	1.460	2.416	8.3	20.3
3 22	10 28.60	+19 44.0	1.525	2.432	12.3	20.6
4 1	10 23.36	+19 52.6	1.611	2.447	15.8	20.8
346825 2009 CM_{65}			2 29.6	185.°64	0.°5/29.1	17
1 22	11 11.42	+ 7 56.0	2.708	3.478	11.5	21.8
2 1	11 7.06	+ 8 12.0	2.613	3.478	9.0	21.6
2 11	11 1.00	+ 8 36.1	2.541	3.477	6.0	21.4
2 21	10 53.67	+ 9 5.3	2.498	3.476	2.8	21.2
3 2	10 45.69	+ 9 36.0	2.485	3.475	0.8	21.0
3 12	10 37.78	+10 4.3	2.503	3.474	4.1	21.3
3 22	10 30.63	+10 26.8	2.549	3.472	7.3	21.5
4 1	10 24.84	+10 41.1	2.623	3.470	10.1	21.6
23731 1998 HA_{93}			2 29.6	178.°45	0.°5/29.1	18
1 22	11 14.72	+ 6 43.2	2.153	2.925	14.0	19.7
2 1	11 10.10	+ 7 12.4	2.061	2.927	11.0	19.5
2 11	11 3.31	+ 7 53.5	1.992	2.928	7.4	19.3
2 21	10 54.84	+ 8 42.7	1.951	2.929	3.4	19.0
3 2	10 45.49	+ 9 34.6	1.939	2.929	1.0	18.8
3 12	10 36.24	+10 23.3	1.957	2.929	5.0	19.1
3 22	10 27.99	+11 3.8	2.004	2.927	8.9	19.3
4 1	10 21.52	+11 32.6	2.076	2.925	12.3	19.6
55066 2001 QF_{81}			2 29.6	280.°67	2.°4/ 2.4	18
1 22	11 13.68	+ 1 4.8	1.817	2.582	16.4	18.3
2 1	11 9.88	+ 0 45.6	1.714	2.570	13.4	18.1
2 11	11 3.53	+ 0 41.7	1.632	2.557	9.6	17.8
2 21	10 55.10	+ 0 52.1	1.575	2.545	5.5	17.6
3 2	10 45.44	+ 1 14.1	1.545	2.532	2.4	17.3
3 12	10 35.71	+ 1 43.0	1.542	2.519	5.3	17.5
3 22	10 27.05	+ 2 13.1	1.567	2.507	9.6	17.7
4 1	10 20.43	+ 2 39.0	1.616	2.494	13.7	17.9
95421 2002 CG_{229}			2 29.6	68.°86	0.°1/29.7	18
1 22	11 10.93	+ 4 50.8	1.912	2.693	15.2	20.6
2 1	11 7.43	+ 5 12.7	1.823	2.693	12.0	20.4
2 11	11 1.65	+ 5 49.0	1.756	2.693	8.2	20.1
2 21	10 54.10	+ 6 36.3	1.715	2.693	3.9	19.9
3 2	10 45.62	+ 7 29.2	1.702	2.693	0.6	19.6
3 12	10 37.23	+ 8 21.0	1.718	2.693	5.1	20.0
3 22	10 29.92	+ 9 6.0	1.761	2.693	9.2	20.2
4 1	10 24.48	+ 9 39.6	1.828	2.694	12.9	20.4
160145 2001 FR_{88}			2 29.6	267.°75	1.°7/28.2	17
1 22	11 13.27	+ 9 35.7	1.778	2.574	15.6	21.4
2 1	11 9.66	+10 7.4	1.678	2.559	12.2	21.1
2 11	11 3.43	+10 51.8	1.601	2.543	8.3	20.8
2 21	10 55.07	+11 44.0	1.548	2.527	3.9	20.5
3 2	10 45.45	+12 37.2	1.523	2.511	2.2	20.4
3 12	10 35.78	+13 23.7	1.527	2.495	6.5	20.6
3 22	10 27.23	+13 57.7	1.557	2.479	11.0	20.8
4 1	10 20.78	+14 15.4	1.610	2.462	15.0	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
427006 2014 RV_{6}			2 29.6	87.°27	0.°7/ 1.3	18
	h m	° ′			°	m
1 22	11 13.35	+ 2 20.6	1.882	2.651	15.8	21.3
2 1	11 9.09	+ 2 51.7	1.815	2.676	12.5	21.1
2 11	11 2.58	+ 3 39.3	1.769	2.701	8.6	20.9
2 21	10 54.45	+ 4 39.1	1.750	2.725	4.2	20.7
3 2	10 45.59	+ 5 45.3	1.759	2.749	0.8	20.5
3 12	10 37.04	+ 6 50.5	1.797	2.773	4.8	20.8
3 22	10 29.73	+ 7 48.5	1.863	2.796	8.8	21.1
4 1	10 24.35	+ 8 34.9	1.954	2.819	12.2	21.3
237687 2001 TX_{163}			2 29.6	86.°28	1.°9/ 2.2	18
1 22	11 11.49	− 0 44.5	1.473	2.251	19.0	21.1
2 1	11 8.47	− 0 19.2	1.396	2.260	15.3	20.8
2 11	11 2.65	+ 0 30.4	1.339	2.269	10.9	20.6
2 21	10 54.66	+ 1 40.9	1.305	2.278	5.9	20.3
3 2	10 45.54	+ 3 5.5	1.297	2.287	1.9	20.1
3 12	10 36.63	+ 4 34.1	1.317	2.296	5.7	20.4
3 22	10 29.15	+ 5 56.9	1.362	2.304	10.5	20.7
4 1	10 24.04	+ 7 6.0	1.431	2.313	14.8	20.9
474478 2003 SA_{251}			2 29.6	177.°40	11.°6/23.8	16
1 22	11 36.18	+31 16.4	1.276	2.078	20.2	21.3
2 1	11 28.94	+32 22.8	1.212	2.080	16.8	21.1
2 11	11 17.07	+33 20.6	1.168	2.082	13.7	20.9
2 21	11 1.58	+33 53.7	1.146	2.083	11.7	20.8
3 2	10 44.43	+33 48.6	1.149	2.083	12.3	20.8
3 12	10 28.13	+33 0.2	1.177	2.082	15.0	21.0
3 22	10 14.78	+31 33.1	1.227	2.081	18.5	21.2
4 1	10 5.59	+29 37.3	1.297	2.079	21.8	21.4
317772 2003 SR_{124}			2 29.6	178.°38	0.°3/29.9	17
1 22	11 10.31	+ 4 8.5	2.324	3.092	13.2	21.7
2 1	11 6.51	+ 4 34.0	2.231	3.092	10.4	21.5
2 11	11 0.80	+ 5 12.2	2.160	3.093	7.1	21.2
2 21	10 53.64	+ 6 0.1	2.117	3.093	3.5	21.0
3 2	10 45.71	+ 6 53.1	2.103	3.094	0.5	20.8
3 12	10 37.86	+ 7 45.9	2.118	3.093	4.3	21.1
3 22	10 30.87	+ 8 33.3	2.163	3.093	7.9	21.3
4 1	10 25.42	+ 9 11.4	2.233	3.092	11.1	21.5
461567 2004 FK_{121}			2 29.6	295.°44	6.°8/23.6	17
1 22	11 13.37	+21 22.7	1.670	2.490	15.3	21.1
2 1	11 10.15	+22 36.2	1.577	2.468	12.2	20.9
2 11	11 3.99	+23 55.2	1.506	2.445	9.1	20.6
2 21	10 55.42	+25 10.1	1.460	2.422	7.0	20.5
3 2	10 45.40	+26 10.1	1.441	2.399	7.7	20.4
3 12	10 35.31	+26 46.4	1.447	2.377	10.8	20.6
3 22	10 26.51	+26 54.7	1.477	2.354	14.6	20.7
4 1	10 20.12	+26 35.0	1.527	2.332	18.1	20.9
492430 2014 MC_{17}			2 29.6	193.°82	0.°4/29.2	17
1 22	11 14.12	+ 5 44.1	2.052	2.825	14.5	22.8
2 1	11 9.81	+ 6 19.8	1.957	2.823	11.5	22.6
2 11	11 3.22	+ 7 9.5	1.885	2.821	7.8	22.4
2 21	10 54.86	+ 8 9.3	1.839	2.817	3.6	22.1
3 2	10 45.51	+ 9 13.1	1.823	2.813	0.9	21.9
3 12	10 36.22	+10 14.2	1.836	2.808	5.2	22.2
3 22	10 27.94	+11 6.7	1.878	2.803	9.3	22.4
4 1	10 21.50	+11 46.2	1.945	2.796	12.9	22.6
117939 6122 *P–L*			2 29.6	95.°20	2.°1/ 2.9	18
1 22	11 12.06	− 3 6.0	1.988	2.732	15.9	19.7
2 1	11 7.99	− 2 27.1	1.916	2.758	12.8	19.6
2 11	11 1.81	− 1 27.8	1.866	2.783	9.1	19.4
2 21	10 54.09	− 0 11.4	1.841	2.808	5.2	19.2
3 2	10 45.66	+ 1 16.3	1.845	2.832	2.1	19.0
3 12	10 37.51	+ 2 47.6	1.878	2.856	4.5	19.2
3 22	10 30.48	+ 4 14.7	1.941	2.879	8.2	19.5
4 1	10 25.26	+ 5 31.4	2.030	2.901	11.6	19.8
294249 2007 UW_{59}			2 29.6	42.°93	5.°1/25.9	18
1 22	11 15.56	+17 14.1	1.473	2.293	17.1	20.4
2 1	11 11.74	+18 3.3	1.405	2.298	13.3	20.2
2 11	11 4.89	+18 58.9	1.358	2.303	9.2	20.0
2 21	10 55.71	+19 52.0	1.335	2.308	5.7	19.8
3 2	10 45.40	+20 33.1	1.338	2.314	5.7	19.8
3 12	10 35.43	+20 55.0	1.368	2.320	9.2	20.0
3 22	10 27.11	+20 54.4	1.422	2.326	13.2	20.3
4 1	10 21.39	+20 31.8	1.497	2.332	16.9	20.5
424995 2009 CY_{37}			2 29.6	6.°76	0.°6/ 1.3	17
1 22	11 6.27	+ 1 58.6	1.975	2.752	14.9	21.1
2 1	11 3.73	+ 2 36.3	1.886	2.753	11.8	20.9
2 11	10 59.11	+ 3 31.5	1.820	2.754	8.2	20.7
2 21	10 52.90	+ 4 40.6	1.779	2.755	4.1	20.4
3 2	10 45.85	+ 5 57.8	1.766	2.757	0.7	20.2
3 12	10 38.90	+ 7 15.6	1.782	2.759	4.7	20.5
3 22	10 32.90	+ 8 27.2	1.825	2.761	8.7	20.7
4 1	10 28.60	+ 9 26.8	1.893	2.764	12.3	20.9

336006 2007 TU_{385} 2 29.6 54°.70 0°.1/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 8.22	+ 2 59.1	1.972	2.749	14.9	20.2
2 1	11 5.04	+ 3 55.2	1.906	2.774	11.6	20.0
2 11	10 59.83	+ 5 7.5	1.863	2.799	7.8	19.8
2 21	10 53.17	+ 6 30.9	1.846	2.824	3.7	19.6
3 2	10 45.84	+ 7 58.4	1.858	2.849	0.6	19.4
3 12	10 38.77	+ 9 22.2	1.900	2.874	4.8	19.8
3 22	10 32.79	+10 35.9	1.969	2.900	8.6	20.1
4 1	10 28.51	+11 34.8	2.064	2.925	11.8	20.3

385158 2013 TP_{120} 2 29.6 156°.68 3°.5/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.14	+15 19.9	2.055	2.855	13.6	20.7
2 1	11 9.01	+16 6.8	1.974	2.858	10.5	20.5
2 11	11 2.63	+16 59.9	1.917	2.860	7.2	20.3
2 21	10 54.55	+17 53.1	1.887	2.862	4.1	20.1
3 2	10 45.61	+18 39.7	1.886	2.863	4.0	20.1
3 12	10 36.83	+19 13.8	1.913	2.865	6.9	20.3
3 22	10 29.16	+19 32.0	1.967	2.866	10.3	20.5
4 1	10 23.36	+19 32.9	2.044	2.868	13.4	20.7

196973 2003 UP_{62} 2 29.6 221°.17 6°.5/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 16.86	+28 38.2	2.624	3.415	11.2	21.3
2 1	11 11.62	+29 42.5	2.539	3.405	9.2	21.1
2 11	11 4.27	+30 43.8	2.480	3.394	7.4	21.0
2 21	10 55.30	+31 35.3	2.449	3.383	6.5	20.9
3 2	10 45.48	+32 10.6	2.446	3.371	7.1	20.9
3 12	10 35.77	+32 25.6	2.472	3.358	8.9	21.0
3 22	10 27.05	+32 19.0	2.523	3.345	11.1	21.1
4 1	10 20.06	+31 51.9	2.596	3.331	13.2	21.3

26940 Quintero 2 29.6 138°.57 4°.8/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 19.42	+17 11.1	1.669	2.473	16.1	18.8
2 1	11 14.38	+18 5.0	1.599	2.483	12.5	18.6
2 11	11 6.48	+19 4.5	1.551	2.492	8.7	18.4
2 21	10 56.42	+20 1.4	1.529	2.501	5.3	18.3
3 2	10 45.32	+20 46.9	1.535	2.509	5.4	18.3
3 12	10 34.56	+21 14.2	1.569	2.517	8.6	18.5
3 22	10 25.37	+21 20.2	1.629	2.524	12.4	18.7
4 1	10 18.65	+21 5.3	1.711	2.531	15.8	18.9

52483 1995 VZ_{4} 2 29.6 171°.56 1°.8/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.46	+ 8 25.4	1.591	2.389	17.0	19.8
2 1	11 10.70	+ 9 13.3	1.510	2.391	13.3	19.6
2 11	11 4.15	+10 16.8	1.450	2.393	8.9	19.3
2 21	10 55.40	+11 29.6	1.415	2.394	4.2	19.0
3 2	10 45.47	+12 43.2	1.407	2.395	2.4	18.9
3 12	10 35.69	+13 48.1	1.428	2.396	6.9	19.2
3 22	10 27.29	+14 37.6	1.474	2.396	11.5	19.4
4 1	10 21.24	+15 7.9	1.543	2.396	15.6	19.7

456668 2007 RX_{76} 2 29.6 150°.16 0°.4/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.93	+ 2 41.7	1.869	2.639	15.8	22.2
2 1	11 9.01	+ 3 22.7	1.784	2.647	12.5	22.0
2 11	11 2.73	+ 4 21.5	1.721	2.654	8.6	21.8
2 21	10 54.64	+ 5 34.0	1.685	2.661	4.2	21.5
3 2	10 45.61	+ 6 53.7	1.676	2.667	0.6	21.3
3 12	10 36.71	+ 8 12.3	1.698	2.673	5.1	21.6
3 22	10 28.97	+ 9 22.7	1.747	2.678	9.4	21.9
4 1	10 23.18	+10 19.4	1.821	2.682	13.2	22.1

375825 2009 UQ_{72} 2 29.6 186°.92 2°.8/26.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.41	+14 42.5	2.623	3.408	11.4	22.4
2 1	11 8.74	+15 34.4	2.532	3.407	8.8	22.2
2 11	11 2.22	+16 32.1	2.467	3.406	6.0	22.0
2 21	10 54.31	+17 30.5	2.430	3.404	3.4	21.8
3 2	10 45.67	+18 24.1	2.424	3.402	3.3	21.8
3 12	10 37.10	+19 7.7	2.449	3.398	5.8	22.0
3 22	10 29.37	+19 38.2	2.502	3.394	8.7	22.1
4 1	10 23.11	+19 53.9	2.580	3.390	11.4	22.3

337659 2001 TA_{159} 2 29.6 150°.35 0°.7/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.45	+ 8 37.2	3.338	4.102	9.6	22.5
2 1	11 5.92	+ 9 7.7	3.251	4.113	7.5	22.4
2 11	11 0.04	+ 9 44.8	3.189	4.124	5.0	22.2
2 21	10 53.19	+10 25.6	3.157	4.135	2.3	22.0
3 2	10 45.86	+11 6.6	3.156	4.145	1.0	21.9
3 12	10 38.64	+11 44.3	3.186	4.154	3.6	22.1
3 22	10 32.04	+12 16.0	3.247	4.162	6.1	22.3
4 1	10 26.55	+12 39.5	3.336	4.170	8.4	22.5

307991 2004 RY_{25} 2 29.6 178°.12 2°.0/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.62	+12 42.4	2.543	3.323	11.9	21.1
2 1	11 9.68	+13 13.9	2.453	3.325	9.2	20.9
2 11	11 2.85	+13 51.5	2.387	3.326	6.2	20.7
2 21	10 54.60	+14 31.0	2.350	3.327	3.1	20.5
3 2	10 45.63	+15 7.5	2.343	3.327	2.4	20.4
3 12	10 36.77	+15 36.6	2.367	3.327	5.2	20.6
3 22	10 28.79	+15 55.1	2.420	3.326	8.4	20.8
4 1	10 22.36	+16 1.4	2.498	3.324	11.2	21.0

148378 2000 SP_{282} 2 29.6 132°.08 5°.4/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 7.84	−13 50.1	2.694	3.362	13.8	20.7
2 1	11 4.38	−14 1.9	2.596	3.368	11.9	20.5
2 11	10 59.27	−13 54.6	2.518	3.373	9.7	20.4
2 21	10 52.91	−13 27.6	2.463	3.379	7.4	20.2
3 2	10 45.90	−12 41.9	2.436	3.384	5.7	20.1
3 12	10 38.94	−11 41.0	2.436	3.389	5.6	20.1
3 22	10 32.71	−10 29.9	2.466	3.394	7.2	20.2
4 1	10 27.79	− 9 14.6	2.522	3.399	9.4	20.4

467431 2005 YO_{50} 2 29.6 279°.47 2°.2/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.49	− 0 11.5	1.975	2.735	15.5	21.7
2 1	11 7.16	− 0 11.2	1.871	2.723	12.6	21.5
2 11	11 1.57	+ 0 5.9	1.788	2.711	9.1	21.2
2 21	10 54.15	+ 0 38.5	1.730	2.699	5.2	21.0
3 2	10 45.68	+ 1 23.2	1.700	2.688	2.2	20.8
3 12	10 37.17	+ 2 14.4	1.698	2.676	4.8	20.9
3 22	10 29.60	+ 3 5.9	1.724	2.664	8.9	21.1
4 1	10 23.82	+ 3 51.8	1.774	2.652	12.7	21.3

236912 2007 TE_{108} 2 29.6 33°.71 1°.5/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.89	+10 42.3	2.066	2.856	13.9	20.6
2 1	11 8.75	+10 58.2	1.981	2.858	10.8	20.4
2 11	11 2.43	+11 22.2	1.919	2.860	7.2	20.2
2 21	10 54.46	+11 50.3	1.883	2.862	3.4	20.0
3 2	10 45.65	+12 17.5	1.877	2.865	1.8	19.9
3 12	10 37.00	+12 38.8	1.899	2.867	5.4	20.1
3 22	10 29.42	+12 50.5	1.949	2.870	9.2	20.4
4 1	10 23.65	+12 50.6	2.023	2.873	12.5	20.6

374498 2005 YF_{136} 2 29.6 233°.06 2°.2/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.80	+11 11.8	2.008	2.803	14.0	21.5
2 1	11 8.06	+11 51.1	1.919	2.800	10.9	21.2
2 11	11 2.06	+12 40.2	1.854	2.797	7.3	21.0
2 21	10 54.33	+13 34.0	1.815	2.794	3.6	20.8
3 2	10 45.67	+14 25.9	1.805	2.791	2.6	20.7
3 12	10 37.10	+15 9.5	1.823	2.787	6.1	20.9
3 22	10 29.59	+15 40.2	1.869	2.784	9.9	21.1
4 1	10 23.92	+15 55.4	1.938	2.780	13.3	21.3

166917 2003 EL_{34} 2 29.6 305°.20 4°.3/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.58	− 2 49.9	1.369	2.149	20.2	19.8
2 1	11 7.63	− 3 12.4	1.267	2.127	16.8	19.5
2 11	11 2.62	− 3 11.2	1.183	2.106	12.6	19.2
2 21	10 54.94	− 2 44.8	1.120	2.086	8.0	18.9
3 2	10 45.53	− 1 55.4	1.081	2.065	4.4	18.6
3 12	10 35.85	− 0 49.7	1.067	2.045	6.7	18.7
3 22	10 27.41	+ 0 22.5	1.077	2.025	11.8	18.9
4 1	10 21.54	+ 1 30.6	1.108	2.007	16.9	19.1

221099 2005 SP_{104} 2 29.6 168°.16 1°.4/28.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.77	+ 9 9.2	2.216	2.998	13.3	21.8
2 1	11 8.53	+ 9 49.0	2.129	3.001	10.4	21.6
2 11	11 2.23	+10 39.0	2.065	3.005	6.9	21.4
2 21	10 54.36	+11 34.7	2.028	3.007	3.2	21.1
3 2	10 45.69	+12 30.3	2.022	3.010	1.8	21.0
3 12	10 37.12	+13 20.0	2.045	3.011	5.3	21.3
3 22	10 29.54	+13 59.0	2.096	3.013	8.9	21.5
4 1	10 23.63	+14 24.6	2.172	3.013	12.1	21.7

93816 2000 WJ_{61} 2 29.6 99°.21 4°.0/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.99	− 6 6.2	2.180	2.900	15.3	19.3
2 1	11 8.63	− 6 20.3	2.100	2.919	12.7	19.2
2 11	11 2.23	− 6 16.3	2.040	2.937	9.6	19.0
2 21	10 54.34	− 5 54.5	2.006	2.956	6.4	18.9
3 2	10 45.71	− 5 17.3	1.999	2.974	4.2	18.7
3 12	10 37.27	− 4 29.3	2.021	2.992	5.0	18.8
3 22	10 29.86	− 3 36.3	2.072	3.009	7.8	19.0
4 1	10 24.14	− 2 44.1	2.149	3.026	10.8	19.2

179231 2001 UA_{30} 2 29.6 198°.02 0°.6/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.55	+ 5 44.2	2.431	3.199	12.7	21.1
2 1	11 7.47	+ 6 32.1	2.331	3.195	10.0	20.9
2 11	11 1.48	+ 7 32.7	2.256	3.191	6.7	20.7
2 21	10 54.02	+ 8 42.1	2.208	3.186	3.1	20.4
3 2	10 45.76	+ 9 55.0	2.190	3.180	1.0	20.3
3 12	10 37.51	+11 5.0	2.204	3.174	4.6	20.5
3 22	10 30.07	+12 6.8	2.246	3.167	8.2	20.7
4 1	10 24.13	+12 56.4	2.315	3.159	11.3	20.9

218715 2005 UF_{75} 2 29.6 204°.59 2°.8/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 16.25	− 0 33.3	2.177	2.917	14.8	20.3
2 1	11 11.37	− 0 58.1	2.075	2.913	12.1	20.1
2 11	11 4.26	− 1 9.5	1.995	2.910	8.8	19.9
2 21	10 55.39	− 1 7.8	1.941	2.905	5.3	19.7
3 2	10 45.54	− 0 55.0	1.916	2.901	2.8	19.5
3 12	10 35.69	− 0 34.8	1.921	2.895	4.7	19.6
3 22	10 26.80	− 0 11.4	1.955	2.890	8.3	19.8
4 1	10 19.68	+ 0 10.5	2.014	2.884	11.7	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
110276 2001 SW_{252}			2 29.6 32°69	3°1/27.0 18		
	h m	° ′			°	m
1 22	11 12.46	+13 0.2	1.678	2.488	15.8	19.2
2 1	11 8.97	+13 43.7	1.602	2.491	12.2	18.9
2 11	11 2.86	+14 36.9	1.548	2.494	8.2	18.7
2 21	10 54.76	+15 33.0	1.520	2.498	4.3	18.5
3 2	10 45.64	+16 24.1	1.518	2.501	3.7	18.4
3 12	10 36.74	+17 2.9	1.544	2.505	7.3	18.7
3 22	10 29.17	+17 24.7	1.596	2.509	11.4	18.9
4 1	10 23.79	+17 27.9	1.670	2.514	15.0	19.1
340759 2006 SX_{300}			2 29.6 109°38	4°5/24.3 17		
1 22	11 11.49	+21 0.0	2.510	3.311	11.4	20.9
2 1	11 7.30	+21 56.7	2.439	3.320	8.9	20.7
2 11	11 1.26	+22 54.6	2.393	3.328	6.4	20.6
2 21	10 53.85	+23 47.8	2.375	3.337	4.7	20.5
3 2	10 45.81	+24 30.6	2.386	3.345	5.1	20.5
3 12	10 37.95	+24 58.5	2.426	3.353	7.2	20.7
3 22	10 31.03	+25 9.6	2.492	3.361	9.7	20.8
4 1	10 25.66	+25 3.7	2.582	3.369	12.0	21.0
390504 2014 BB_{1}			2 29.6 11°41	7°1/ 6.8 17		
1 22	11 12.64	−12 7.7	2.201	2.886	16.1	20.6
2 1	11 8.61	−13 12.4	2.104	2.886	14.0	20.4
2 11	11 2.42	−13 58.7	2.028	2.888	11.5	20.2
2 21	10 54.53	−14 24.2	1.974	2.889	9.0	20.1
3 2	10 45.68	−14 27.8	1.946	2.890	7.3	20.0
3 12	10 36.82	−14 11.4	1.946	2.892	7.3	20.0
3 22	10 28.87	−13 39.5	1.972	2.894	9.1	20.1
4 1	10 22.63	−12 58.0	2.024	2.896	11.5	20.2
263917 2009 FL_{69}			2 29.6 93°46	1°5/ 1.8 18		
1 22	11 12.46	+ 1 42.7	1.650	2.427	17.3	21.2
2 1	11 9.02	+ 1 50.8	1.565	2.430	13.9	21.0
2 11	11 2.96	+ 2 17.4	1.500	2.432	9.8	20.7
2 21	10 54.85	+ 2 59.8	1.460	2.434	5.2	20.5
3 2	10 45.63	+ 3 53.0	1.446	2.436	1.5	20.2
3 12	10 36.54	+ 4 49.5	1.460	2.438	5.3	20.5
3 22	10 28.71	+ 5 42.1	1.501	2.440	9.9	20.8
4 1	10 23.06	+ 6 24.7	1.565	2.443	14.0	21.0
346075 2007 UL_{104}			2 29.6 26°03	2°6/27.0 17		
1 22	11 9.06	+12 23.1	2.066	2.868	13.5	21.2
2 1	11 5.80	+13 9.8	1.987	2.872	10.4	21.0
2 11	11 0.46	+14 5.0	1.931	2.876	6.9	20.8
2 21	10 53.55	+15 3.1	1.902	2.880	3.6	20.6
3 2	10 45.85	+15 57.8	1.902	2.885	3.0	20.6
3 12	10 38.32	+16 42.8	1.930	2.890	6.2	20.8
3 22	10 31.80	+17 13.9	1.985	2.896	9.7	21.0
4 1	10 27.00	+17 29.1	2.063	2.901	12.8	21.2
227627 2006 BS_{65}			2 29.6 89°03	1°7/28.1 18		
1 22	11 11.80	+ 9 43.1	1.954	2.747	14.5	20.6
2 1	11 8.02	+10 19.6	1.874	2.754	11.2	20.4
2 11	11 2.00	+11 6.7	1.818	2.760	7.5	20.1
2 21	10 54.29	+11 59.4	1.787	2.767	3.5	19.9
3 2	10 45.74	+12 51.3	1.786	2.773	2.1	19.8
3 12	10 37.36	+13 36.1	1.813	2.780	5.8	20.1
3 22	10 30.10	+14 9.1	1.867	2.786	9.6	20.3
4 1	10 24.70	+14 27.5	1.945	2.793	13.0	20.5
138637 2000 RN_{20}			2 29.6 162°02	2°1/ 2.9 18		
1 22	11 11.52	− 0 25.1	2.734	3.470	12.2	19.7
2 1	11 7.14	− 0 34.8	2.636	3.473	9.9	19.5
2 11	11 1.09	− 0 32.8	2.562	3.476	7.1	19.4
2 21	10 53.78	− 0 20.3	2.514	3.479	4.2	19.2
3 2	10 45.82	+ 0 0.5	2.496	3.481	2.1	19.0
3 12	10 37.92	+ 0 26.3	2.508	3.483	3.7	19.2
3 22	10 30.77	+ 0 53.6	2.550	3.485	6.6	19.3
4 1	10 24.93	+ 1 18.8	2.619	3.487	9.4	19.5
424167 2007 HR_{43}			2 29.6 156°78	2°2/27.3 17		
1 22	11 11.77	+11 32.3	2.245	3.035	12.9	21.9
2 1	11 7.73	+12 19.8	2.161	3.039	10.0	21.7
2 11	11 1.68	+13 15.9	2.102	3.044	6.7	21.5
2 21	10 54.11	+14 15.5	2.069	3.047	3.3	21.3
3 2	10 45.77	+15 12.5	2.067	3.051	2.6	21.3
3 12	10 37.56	+16 1.1	2.093	3.054	5.8	21.5
3 22	10 30.31	+16 37.0	2.148	3.057	9.1	21.7
4 1	10 24.71	+16 58.0	2.227	3.060	12.2	21.9
467974 2012 LR_{4}			2 29.6 199°60	5°1/ 6.1 17		
1 22	11 11.61	−10 26.8	2.497	3.184	14.4	21.8
2 1	11 7.53	−10 48.1	2.390	3.181	12.2	21.6
2 11	11 1.54	−10 51.3	2.304	3.177	9.8	21.5
2 21	10 54.07	−10 35.5	2.242	3.173	7.2	21.3
3 2	10 45.77	−10 1.7	2.208	3.168	5.3	21.2
3 12	10 37.44	− 9 13.0	2.203	3.163	5.6	21.2
3 22	10 29.89	− 8 14.5	2.226	3.157	7.7	21.3
4 1	10 23.81	− 7 12.2	2.276	3.151	10.3	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
13930 Tashko			2 29.6 193°99	2°6/27.5 18		
	h m	° ′			°	m
1 22	11 17.29	+11 40.5	1.835	2.626	15.3	18.6
2 1	11 12.62	+12 24.0	1.746	2.624	12.0	18.3
2 11	11 5.32	+13 18.2	1.680	2.622	8.1	18.1
2 21	10 55.96	+14 17.0	1.641	2.619	4.0	17.8
3 2	10 45.47	+15 12.8	1.630	2.615	3.1	17.8
3 12	10 35.07	+15 58.2	1.648	2.610	6.9	18.0
3 22	10 25.92	+16 28.2	1.693	2.604	11.0	18.2
4 1	10 18.94	+16 40.6	1.762	2.598	14.7	18.4
205236 2000 QB_{131}			2 29.6 249°61	2°0/ 2.1 17		
1 22	11 15.61	+ 1 27.1	1.778	2.542	16.8	21.1
2 1	11 11.56	+ 1 20.1	1.671	2.527	13.6	20.8
2 11	11 4.82	+ 1 29.7	1.585	2.511	9.8	20.5
2 21	10 55.83	+ 1 54.4	1.523	2.495	5.4	20.2
3 2	10 45.48	+ 2 30.9	1.489	2.478	2.0	20.0
3 12	10 34.98	+ 3 13.2	1.484	2.461	5.4	20.2
3 22	10 25.56	+ 3 55.1	1.506	2.443	10.1	20.4
4 1	10 18.27	+ 4 30.4	1.552	2.425	14.4	20.6
199490 2006 DT_{84}			2 29.6 148°08	0°5/ 1.2 17		
1 22	11 12.01	+ 4 1.4	2.312	3.075	13.4	21.3
2 1	11 7.82	+ 4 16.7	2.222	3.081	10.6	21.1
2 11	11 1.70	+ 4 44.1	2.156	3.087	7.3	20.9
2 21	10 54.11	+ 5 20.8	2.116	3.092	3.6	20.7
3 2	10 45.78	+ 6 2.8	2.106	3.097	0.6	20.5
3 12	10 37.57	+ 6 45.0	2.126	3.102	4.2	20.8
3 22	10 30.26	+ 7 22.9	2.175	3.106	7.8	21.0
4 1	10 24.54	+ 7 52.7	2.249	3.110	11.0	21.2
85908 1999 CE_{85}			2 29.6 68°42	2°9/27.4 18		
1 22	11 12.88	+ 9 52.6	1.373	2.187	18.3	18.9
2 1	11 9.74	+10 54.6	1.308	2.199	14.2	18.7
2 11	11 3.60	+12 12.3	1.264	2.211	9.5	18.5
2 21	10 55.17	+13 37.3	1.244	2.224	4.6	18.2
3 2	10 45.62	+14 58.8	1.250	2.236	3.5	18.2
3 12	10 36.41	+16 6.4	1.283	2.248	7.9	18.5
3 22	10 28.84	+16 53.3	1.340	2.261	12.6	18.8
4 1	10 23.84	+17 16.9	1.419	2.273	16.6	19.0
166192 2002 EW_{91}			2 29.6 229°71	0°4/29.3 18		
1 22	11 15.13	+ 6 23.7	1.920	2.697	15.2	21.0
2 1	11 10.89	+ 6 44.6	1.818	2.687	12.1	20.8
2 11	11 4.17	+ 7 19.0	1.739	2.676	8.3	20.5
2 21	10 55.45	+ 8 3.3	1.686	2.664	3.9	20.2
3 2	10 45.56	+ 8 52.1	1.661	2.652	0.9	20.0
3 12	10 35.64	+ 9 38.7	1.666	2.639	5.5	20.3
3 22	10 26.78	+10 17.4	1.698	2.626	9.9	20.5
4 1	10 19.90	+10 43.9	1.755	2.612	13.8	20.7
274607 2008 TD_{49}			2 29.6 268°80	3°4/ 4.1 17		
1 22	11 8.60	− 4 54.4	2.073	2.812	15.5	21.0
2 1	11 5.56	− 4 47.6	1.971	2.805	12.8	20.8
2 11	11 0.42	− 4 20.8	1.889	2.798	9.6	20.5
2 21	10 53.62	− 3 34.6	1.832	2.791	6.1	20.3
3 2	10 45.88	− 2 32.1	1.803	2.784	3.5	20.1
3 12	10 38.12	− 1 19.2	1.801	2.777	4.8	20.2
3 22	10 31.27	− 0 2.9	1.828	2.770	8.3	20.4
4 1	10 26.08	+ 1 9.7	1.881	2.763	11.8	20.6
377426 2004 TF_{180}			2 29.6 225°87	0°5/29.1 17		
1 22	11 11.81	+ 6 35.7	2.347	3.119	12.9	22.5
2 1	11 7.80	+ 7 7.5	2.243	3.109	10.2	22.3
2 11	11 1.79	+ 7 50.9	2.162	3.099	6.9	22.0
2 21	10 54.23	+ 8 42.6	2.109	3.088	3.2	21.8
3 2	10 45.79	+ 9 37.6	2.086	3.076	0.9	21.6
3 12	10 37.34	+10 30.1	2.093	3.064	4.7	21.8
3 22	10 29.71	+11 15.3	2.128	3.052	8.4	22.0
4 1	10 23.63	+11 49.4	2.189	3.039	11.7	22.2
424693 2008 SN_{9}			2 29.6 161°69	1°2/ 2.1 16		
1 22	11 10.29	+ 0 22.4	2.662	3.406	12.3	22.2
2 1	11 6.24	+ 0 51.8	2.567	3.412	9.8	22.1
2 11	11 0.51	+ 1 34.7	2.496	3.418	6.9	21.9
2 21	10 53.54	+ 2 28.9	2.452	3.423	3.7	21.7
3 2	10 45.91	+ 3 30.3	2.439	3.428	1.2	21.5
3 12	10 38.37	+ 4 34.1	2.456	3.432	3.7	21.7
3 22	10 31.58	+ 5 35.1	2.503	3.436	6.9	21.9
4 1	10 26.12	+ 6 29.2	2.578	3.439	9.8	22.1
238774 2005 JM_{106}			2 29.6 268°77	2°0/ 2.8 17		
1 22	11 9.56	− 1 2.3	2.535	3.277	12.9	21.8
2 1	11 5.98	− 0 54.6	2.414	3.255	10.5	21.5
2 11	11 0.55	− 0 32.6	2.316	3.233	7.6	21.3
2 21	10 53.66	+ 0 2.7	2.244	3.210	4.5	21.1
3 2	10 45.88	+ 0 48.6	2.200	3.187	2.0	20.9
3 12	10 37.99	+ 1 40.6	2.187	3.164	4.0	21.0
3 22	10 30.76	+ 2 33.8	2.203	3.140	7.4	21.1
4 1	10 24.89	+ 3 23.3	2.246	3.116	10.6	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
191287	2003 FD_{75}		2 29.6	300.°49	4.°0/25.9	17
	h m	° ′			°	m
1 22	11 9.66	+13 43.8	1.731	2.544	15.1	20.0
2 1	11 7.08	+14 50.1	1.628	2.519	11.9	19.7
2 11	11 1.87	+16 9.2	1.548	2.494	8.1	19.4
2 21	10 54.48	+17 33.9	1.493	2.469	4.7	19.1
3 2	10 45.74	+18 54.8	1.466	2.444	4.8	19.1
3 12	10 36.85	+20 2.3	1.466	2.420	8.5	19.2
3 22	10 29.02	+20 49.3	1.491	2.395	12.7	19.4
4 1	10 23.31	+21 12.5	1.537	2.371	16.6	19.6
156296	2001 XU_{7}		2 29.6	87.°20	1.°5/28.6	18
1 22	11 18.62	+10 59.8	1.874	2.659	15.3	20.4
2 1	11 13.27	+11 7.5	1.803	2.677	11.9	20.2
2 11	11 5.48	+11 23.1	1.756	2.695	7.9	20.0
2 21	10 55.92	+11 42.2	1.734	2.713	3.7	19.8
3 2	10 45.56	+11 59.6	1.742	2.731	1.8	19.7
3 12	10 35.57	+12 10.5	1.779	2.748	5.7	20.0
3 22	10 26.94	+12 11.9	1.844	2.765	9.6	20.3
4 1	10 20.45	+12 2.2	1.933	2.782	13.0	20.5
203886	2003 BF_{84}		2 29.6	303.°21	0.°6/28.8	18
1 22	11 5.51	+ 2 44.1	2.233	3.008	13.5	19.1
2 1	11 3.08	+ 4 10.9	2.122	2.990	10.6	18.9
2 11	10 58.72	+ 5 57.9	2.035	2.972	7.2	18.6
2 21	10 52.83	+ 8 0.3	1.975	2.954	3.3	18.4
3 2	10 46.02	+10 10.8	1.946	2.936	1.1	18.2
3 12	10 39.13	+12 19.8	1.949	2.919	5.2	18.4
3 22	10 32.98	+14 18.4	1.981	2.902	9.1	18.6
4 1	10 28.32	+16 0.0	2.038	2.885	12.6	18.8
211641	2003 UH_{189}		2 29.6	206.°25	1.°7/28.2	18
1 22	11 16.28	+10 14.9	1.990	2.774	14.5	21.0
2 1	11 11.64	+10 43.3	1.896	2.770	11.4	20.8
2 11	11 4.57	+11 21.8	1.824	2.764	7.7	20.6
2 21	10 55.60	+12 5.6	1.780	2.758	3.6	20.3
3 2	10 45.59	+12 48.9	1.764	2.752	2.1	20.2
3 12	10 35.64	+13 25.3	1.778	2.745	5.9	20.4
3 22	10 26.79	+13 50.2	1.820	2.737	10.0	20.6
4 1	10 19.91	+14 1.1	1.886	2.729	13.6	20.8
64526	2001 VE_{104}		2 29.6	73.°45	0.°1/29.6	18
1 22	11 14.35	+ 5 31.0	1.458	2.254	18.4	19.6
2 1	11 10.82	+ 5 45.7	1.381	2.259	14.5	19.4
2 11	11 4.36	+ 6 17.5	1.323	2.263	9.9	19.1
2 21	10 55.58	+ 7 2.1	1.289	2.268	4.7	18.8
3 2	10 45.60	+ 7 52.7	1.282	2.273	0.8	18.6
3 12	10 35.82	+ 8 41.0	1.301	2.277	6.2	18.9
3 22	10 27.55	+ 9 20.0	1.346	2.282	11.2	19.2
4 1	10 21.78	+ 9 45.0	1.414	2.287	15.5	19.5
406561	2007 YB_{56}		2 29.6	52.°30	2.°3/ 2.3	18
1 22	11 13.77	+ 1 8.9	1.485	2.266	18.8	20.5
2 1	11 10.19	+ 0 58.4	1.414	2.279	15.1	20.3
2 11	11 3.80	+ 1 7.0	1.361	2.291	10.7	20.0
2 21	10 55.26	+ 1 32.6	1.332	2.304	5.9	19.8
3 2	10 45.66	+ 2 10.5	1.329	2.318	2.3	19.6
3 12	10 36.35	+ 2 53.7	1.353	2.332	5.6	19.8
3 22	10 28.53	+ 3 35.1	1.403	2.345	10.2	20.1
4 1	10 23.11	+ 4 8.5	1.476	2.360	14.3	20.4
186010	2001 QR_{112}		2 29.6	181.°15	3.°3/ 4.1	16
1 22	11 11.77	− 5 7.0	2.310	3.033	14.5	21.1
2 1	11 7.74	− 5 1.6	2.210	3.034	12.0	21.0
2 11	11 1.74	− 4 38.2	2.132	3.035	9.0	20.8
2 21	10 54.20	− 3 57.6	2.079	3.035	5.7	20.6
3 2	10 45.83	− 3 2.7	2.054	3.034	3.4	20.4
3 12	10 37.50	− 1 58.4	2.059	3.033	4.5	20.5
3 22	10 30.03	− 0 50.8	2.093	3.031	7.7	20.7
4 1	10 24.12	+ 0 14.0	2.154	3.029	10.9	20.9
114983	2003 QC_{66}		2 29.6	134.°42	0.°2/29.8	18
1 22	11 15.66	+ 4 31.5	2.008	2.775	15.0	21.4
2 1	11 10.91	+ 4 56.4	1.927	2.789	11.8	21.2
2 11	11 3.90	+ 5 35.1	1.870	2.803	8.1	21.0
2 21	10 55.21	+ 6 23.9	1.839	2.816	3.9	20.7
3 2	10 45.68	+ 7 17.4	1.837	2.828	0.6	20.5
3 12	10 36.37	+ 8 9.3	1.865	2.840	4.8	20.8
3 22	10 28.20	+ 8 54.2	1.922	2.851	8.8	21.1
4 1	10 21.94	+ 9 28.0	2.004	2.861	12.3	21.3
500460	2012 TV_{210}		2 29.6	19.°98	3.°3/27.0	18
1 22	11 14.51	+16 22.3	1.965	2.767	14.1	20.8
2 1	11 10.14	+16 39.7	1.888	2.771	10.9	20.6
2 11	11 3.43	+17 1.0	1.833	2.776	7.4	20.4
2 21	10 54.99	+17 20.7	1.806	2.781	4.2	20.2
3 2	10 45.72	+17 33.4	1.806	2.786	3.7	20.2
3 12	10 36.70	+17 34.7	1.835	2.792	6.7	20.4
3 22	10 28.91	+17 22.2	1.890	2.799	10.2	20.6
4 1	10 23.08	+16 55.8	1.970	2.806	13.4	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
134489	1998 XR_{38}		2 29.6	123.°98	2.°5/ 2.9	18
	h m	° ′			°	m
1 22	11 16.77	− 0 39.5	2.112	2.852	15.2	18.9
2 1	11 11.65	− 0 52.6	2.028	2.868	12.3	18.8
2 11	11 4.34	− 0 50.9	1.967	2.883	8.9	18.6
2 21	10 55.40	− 0 35.5	1.932	2.897	5.2	18.4
3 2	10 45.66	− 0 9.4	1.926	2.911	2.6	18.2
3 12	10 36.10	+ 0 23.0	1.950	2.925	4.6	18.4
3 22	10 27.66	+ 0 56.7	2.002	2.938	8.1	18.6
4 1	10 21.05	+ 1 27.1	2.081	2.950	11.4	18.8
471684	2012 TE_{198}		2 29.6	202.°44	1.°8/ 2.7	17
1 22	11 9.89	− 0 28.5	2.565	3.308	12.7	21.9
2 1	11 6.07	− 0 20.5	2.463	3.305	10.3	21.7
2 11	11 0.49	+ 0 1.0	2.384	3.302	7.4	21.5
2 21	10 53.58	+ 0 34.6	2.331	3.299	4.2	21.3
3 2	10 45.94	+ 1 17.1	2.308	3.295	1.8	21.1
3 12	10 38.33	+ 2 4.3	2.315	3.291	3.8	21.3
3 22	10 31.46	+ 2 51.5	2.351	3.287	7.0	21.5
4 1	10 25.97	+ 3 34.3	2.413	3.282	10.0	21.6
453280	2008 TY_{53}		2 29.6	114.°59	0.°8/29.0	18
1 22	11 16.24	+ 6 8.4	1.673	2.457	16.9	22.2
2 1	11 11.77	+ 6 49.1	1.602	2.475	13.2	22.0
2 11	11 4.68	+ 7 45.4	1.553	2.492	8.9	21.7
2 21	10 55.62	+ 8 51.8	1.530	2.509	4.1	21.5
3 2	10 45.63	+10 0.5	1.535	2.525	1.3	21.3
3 12	10 35.95	+11 3.4	1.569	2.541	5.9	21.7
3 22	10 27.69	+11 54.1	1.629	2.556	10.3	22.0
4 1	10 21.68	+12 28.8	1.714	2.570	14.1	22.2
464920	2005 TF_{170}		2 29.6	39.°54	7.°6/ 8.3	18
1 22	11 7.82	−14 54.5	1.718	2.418	19.5	21.2
2 1	11 5.37	−15 16.9	1.635	2.427	16.9	21.0
2 11	11 0.49	−15 10.1	1.568	2.435	13.9	20.8
2 21	10 53.71	−14 31.9	1.523	2.444	10.7	20.6
3 2	10 45.93	−13 23.5	1.501	2.453	8.2	20.5
3 12	10 38.27	−11 50.9	1.505	2.463	7.8	20.5
3 22	10 31.78	−10 3.5	1.534	2.473	9.9	20.6
4 1	10 27.32	− 8 12.5	1.589	2.483	12.9	20.8
465129	2006 XG_{66}		2 29.6	59.°39	4.°6/26.1	18
1 22	11 17.81	+15 49.0	1.508	2.320	17.1	21.2
2 1	11 12.98	+16 55.3	1.468	2.356	13.1	21.1
2 11	11 5.37	+18 7.3	1.449	2.393	8.9	20.9
2 21	10 55.84	+19 15.6	1.456	2.429	5.3	20.8
3 2	10 45.63	+20 11.0	1.490	2.465	5.2	20.9
3 12	10 36.09	+20 47.1	1.551	2.501	8.4	21.1
3 22	10 28.32	+21 1.3	1.638	2.537	12.1	21.4
4 1	10 23.02	+20 54.4	1.746	2.572	15.2	21.7
432207	2009 DX_{129}		2 29.6	280.°97	0.°8/ 1.5	17
1 22	11 8.22	+ 2 40.9	2.429	3.192	12.8	21.7
2 1	11 4.96	+ 3 0.7	2.319	3.177	10.2	21.5
2 11	10 59.87	+ 3 33.8	2.233	3.162	7.1	21.3
2 21	10 53.34	+ 4 17.8	2.172	3.147	3.7	21.0
3 2	10 45.99	+ 5 9.1	2.141	3.132	0.8	20.8
3 12	10 38.59	+ 6 2.4	2.140	3.116	4.1	21.0
3 22	10 31.92	+ 6 52.7	2.167	3.101	7.7	21.2
4 1	10 26.67	+ 7 35.5	2.220	3.086	10.9	21.4
92536	2000 OE_{16}		2 29.6	114.°58	1.°6/28.2	18
1 22	11 16.46	+ 8 38.7	1.807	2.593	15.7	19.7
2 1	11 11.73	+ 9 26.2	1.738	2.613	12.2	19.5
2 11	11 4.53	+10 26.1	1.692	2.633	8.1	19.3
2 21	10 55.52	+11 32.4	1.673	2.652	3.8	19.1
3 2	10 45.66	+12 37.6	1.682	2.670	2.1	19.0
3 12	10 36.12	+13 34.3	1.720	2.687	6.1	19.3
3 22	10 27.93	+14 17.2	1.786	2.704	10.1	19.6
4 1	10 21.86	+14 43.6	1.875	2.720	13.6	19.8
182658	2001 UE_{196}		2 29.6	291.°42	1.°4/ 1.8	17
1 22	11 10.23	+ 1 35.7	1.770	2.546	16.4	20.0
2 1	11 7.41	+ 1 47.7	1.659	2.523	13.3	19.7
2 11	11 2.05	+ 2 18.3	1.569	2.500	9.5	19.4
2 21	10 54.58	+ 3 5.8	1.503	2.477	5.0	19.1
3 2	10 45.78	+ 4 5.6	1.464	2.454	1.4	18.8
3 12	10 36.78	+ 5 10.7	1.452	2.430	5.3	19.0
3 22	10 28.76	+ 6 13.2	1.468	2.407	10.1	19.2
4 1	10 22.73	+ 7 6.3	1.507	2.384	14.5	19.4
3399	Kobzon		2 29.6	160.°01	0.°0/29.6	18
1 22	11 9.84	+ 5 27.3	2.858	3.620	11.1	18.4
2 1	11 5.77	+ 5 52.7	2.766	3.625	8.7	18.2
2 11	11 0.14	+ 6 27.6	2.698	3.630	5.9	18.0
2 21	10 53.37	+ 7 9.2	2.658	3.635	2.8	17.8
3 2	10 46.01	+ 7 53.9	2.648	3.639	0.5	17.6
3 12	10 38.73	+ 8 37.3	2.669	3.643	3.7	17.9
3 22	10 32.15	+ 9 15.9	2.720	3.646	6.7	18.1
4 1	10 26.82	+ 9 46.7	2.798	3.649	9.4	18.3

236385 2006 DO_{14} 2 29.6 119°.96 2°.5/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 11.52	+12 3.8	2.120	2.915	13.4	20.8
2 1	11 7.66	+12 54.1	2.042	2.922	10.4	20.6
2 11	11 1.71	+13 53.0	1.987	2.930	6.9	20.4
2 21	10 54.18	+14 55.1	1.959	2.937	3.5	20.2
3 2	10 45.88	+15 53.6	1.960	2.943	3.0	20.2
3 12	10 37.73	+16 42.5	1.990	2.950	6.1	20.4
3 22	10 30.62	+17 17.5	2.048	2.956	9.5	20.6
4 1	10 25.25	+17 36.4	2.130	2.963	12.6	20.8

437021 2012 TY_{284} 2 29.6 200°.70 2°.9/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.77	− 2 48.7	2.442	3.175	13.5	21.3
2 1	11 6.86	− 2 59.1	2.341	3.173	11.1	21.1
2 11	11 1.08	− 2 55.1	2.263	3.172	8.2	21.0
2 21	10 53.89	− 2 37.3	2.211	3.170	5.2	20.8
3 2	10 45.92	− 2 7.8	2.187	3.168	3.0	20.6
3 12	10 37.98	− 1 30.6	2.192	3.166	4.3	20.7
3 22	10 30.84	− 0 50.3	2.227	3.164	7.3	20.9
4 1	10 25.16	− 0 11.3	2.287	3.162	10.3	21.1

57298 2001 QE_{193} 2 29.6 126°.19 5°.3/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.89	− 6 45.4	1.899	2.624	17.1	19.2
2 1	11 9.87	− 7 25.0	1.807	2.627	14.4	19.0
2 11	11 3.44	− 7 45.5	1.735	2.629	11.2	18.8
2 21	10 55.11	− 7 45.5	1.686	2.632	7.8	18.6
3 2	10 45.72	− 7 25.9	1.664	2.634	5.5	18.5
3 12	10 36.39	− 6 50.6	1.669	2.637	6.2	18.5
3 22	10 28.15	− 6 5.6	1.702	2.639	9.2	18.7
4 1	10 21.87	− 5 17.7	1.759	2.641	12.5	18.9

8489 Boulder 2 29.6 286°.40 0°.6/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.80	+ 6 30.4	2.338	3.118	12.7	18.4
2 1	11 4.69	+ 7 8.5	2.236	3.107	10.0	18.2
2 11	10 59.71	+ 7 58.8	2.158	3.096	6.8	17.9
2 21	10 53.27	+ 8 57.6	2.106	3.085	3.1	17.7
3 2	10 46.01	+ 9 59.8	2.084	3.074	1.0	17.5
3 12	10 38.76	+10 59.6	2.092	3.063	4.7	17.7
3 22	10 32.28	+11 51.5	2.127	3.053	8.3	17.9
4 1	10 27.28	+12 31.8	2.188	3.042	11.6	18.1

455798 2005 SB_{11} 2 29.6 153°.51 2°.8/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.74	− 5 5.0	2.315	3.040	14.4	22.1
2 1	11 6.89	− 4 40.6	2.221	3.048	11.8	21.9
2 11	11 1.11	− 3 57.2	2.149	3.056	8.7	21.7
2 21	10 53.90	− 2 56.4	2.103	3.062	5.4	21.5
3 2	10 45.92	− 1 42.0	2.086	3.069	2.9	21.3
3 12	10 38.04	− 0 20.0	2.099	3.074	4.3	21.4
3 22	10 31.03	+ 1 3.0	2.141	3.079	7.5	21.6
4 1	10 25.57	+ 2 20.5	2.210	3.084	10.7	21.8

184121 2004 HF_{60} 2 29.6 291°.16 0°.8/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.75	+ 4 53.9	1.741	2.523	16.4	20.4
2 1	11 10.16	+ 4 47.9	1.636	2.506	13.2	20.1
2 11	11 3.90	+ 4 55.6	1.553	2.488	9.2	19.8
2 21	10 55.45	+ 5 14.8	1.494	2.471	4.6	19.5
3 2	10 45.66	+ 5 41.4	1.463	2.453	0.9	19.2
3 12	10 35.76	+ 6 9.8	1.459	2.436	5.5	19.5
3 22	10 26.96	+ 6 34.2	1.482	2.419	10.3	19.7
4 1	10 20.29	+ 6 49.9	1.528	2.402	14.6	19.9

107400 2001 DP_2 2 29.6 282°.99 1°.9/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 17.04	+ 3 35.3	1.428	2.215	19.2	20.1
2 1	11 13.59	+ 3 12.4	1.320	2.190	15.6	19.8
2 11	11 6.79	+ 3 5.3	1.232	2.166	11.2	19.4
2 21	10 57.06	+ 3 13.0	1.166	2.140	6.0	19.1
3 2	10 45.38	+ 3 32.4	1.125	2.115	1.9	18.7
3 12	10 33.29	+ 3 57.5	1.111	2.090	6.6	18.9
3 22	10 22.46	+ 4 21.3	1.123	2.064	12.3	19.2
4 1	10 14.33	+ 4 37.6	1.156	2.038	17.6	19.4

393545 2002 VG_{115} 2 29.7 146°.59 2°.4/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 17.22	+10 21.7	1.775	2.565	15.8	22.3
2 1	11 12.51	+11 17.5	1.699	2.577	12.3	22.0
2 11	11 5.20	+12 25.5	1.646	2.588	8.2	21.8
2 21	10 55.90	+13 38.8	1.619	2.598	4.0	21.6
3 2	10 45.62	+14 49.3	1.621	2.607	2.9	21.5
3 12	10 35.57	+15 48.8	1.652	2.615	6.8	21.8
3 22	10 26.87	+16 31.9	1.711	2.622	10.9	22.0
4 1	10 20.37	+16 56.2	1.792	2.629	14.5	22.3

210004 2006 JN_{43} 2 29.7 4°.81 5°.9/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.08	+16 47.5	1.382	2.211	17.5	20.1
2 1	11 9.36	+18 6.3	1.312	2.210	13.6	19.9
2 11	11 3.54	+19 34.7	1.264	2.211	9.5	19.7
2 21	10 55.27	+21 2.2	1.239	2.211	6.3	19.5
3 2	10 45.71	+22 16.7	1.240	2.212	6.7	19.5
3 12	10 36.39	+23 8.2	1.266	2.213	10.3	19.7
3 22	10 28.68	+23 31.8	1.316	2.215	14.5	19.9
4 1	10 23.62	+23 27.3	1.385	2.216	18.2	20.2

216109 2006 RJ_{75} 2 29.7 269°.79 1°.3/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 13.47	+ 8 36.9	1.752	2.546	15.8	21.3
2 1	11 9.92	+ 9 4.4	1.652	2.530	12.5	21.0
2 11	11 3.72	+ 9 45.3	1.573	2.514	8.5	20.8
2 21	10 55.35	+10 35.1	1.519	2.498	4.0	20.5
3 2	10 45.69	+11 27.3	1.492	2.482	1.8	20.3
3 12	10 35.95	+12 14.2	1.494	2.465	6.3	20.5
3 22	10 27.34	+12 49.7	1.523	2.448	11.0	20.7
4 1	10 20.86	+13 9.8	1.574	2.431	15.1	21.0

465646 2009 QJ_7 2 29.7 137°.18 1°.0/ 1.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.17	+ 2 52.9	2.233	2.990	14.0	22.2
2 1	11 9.56	+ 3 1.2	2.147	3.001	11.1	22.0
2 11	11 2.91	+ 3 22.4	2.084	3.011	7.7	21.8
2 21	10 54.74	+ 3 54.0	2.047	3.021	4.0	21.6
3 2	10 45.81	+ 4 32.0	2.040	3.030	1.0	21.4
3 12	10 37.04	+ 5 11.6	2.063	3.039	4.3	21.7
3 22	10 29.25	+ 5 47.9	2.115	3.048	7.9	21.9
4 1	10 23.14	+ 6 17.2	2.193	3.055	11.2	22.1

400270 2007 RA_{218} 2 29.7 130°.10 0°.1/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.64	+ 4 50.4	1.921	2.694	15.4	22.2
2 1	11 10.25	+ 5 24.6	1.843	2.708	12.1	22.0
2 11	11 3.53	+ 6 13.6	1.787	2.722	8.2	21.8
2 21	10 55.08	+ 7 13.0	1.757	2.734	3.9	21.6
3 2	10 45.77	+ 8 16.6	1.756	2.746	0.7	21.3
3 12	10 36.67	+ 9 17.3	1.784	2.758	5.1	21.7
3 22	10 28.75	+10 9.3	1.840	2.769	9.2	22.0
4 1	10 22.77	+10 48.3	1.922	2.779	12.8	22.2

386596 2009 FD_{58} 2 29.7 169°.90 3°.3/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.34	+18 0.7	2.518	3.310	11.6	20.8
2 1	11 9.53	+18 27.0	2.433	3.311	9.1	20.6
2 11	11 2.81	+18 55.5	2.373	3.311	6.3	20.5
2 21	10 54.67	+19 21.6	2.341	3.312	3.8	20.3
3 2	10 45.84	+19 40.5	2.338	3.312	3.7	20.3
3 12	10 37.17	+19 48.4	2.365	3.313	6.1	20.4
3 22	10 29.44	+19 43.3	2.420	3.313	8.9	20.6
4 1	10 23.29	+19 24.9	2.500	3.313	11.6	20.8

359801 2011 UF_{241} 2 29.7 150°.50 1°.9/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.10	− 0 15.2	1.793	2.553	16.8	21.7
2 1	11 10.09	− 0 1.2	1.707	2.560	13.6	21.5
2 11	11 3.60	+ 0 32.1	1.642	2.566	9.7	21.3
2 21	10 55.19	+ 1 22.1	1.601	2.572	5.3	21.0
3 2	10 45.75	+ 2 24.1	1.589	2.577	1.9	20.8
3 12	10 36.45	+ 3 30.7	1.605	2.582	5.0	21.0
3 22	10 28.35	+ 4 34.6	1.648	2.586	9.3	21.3
4 1	10 22.30	+ 5 29.4	1.716	2.590	13.2	21.5

26089 1985 QN_2 2 29.7 182°.30 3°.0/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.90	− 4 16.0	2.220	2.950	14.8	19.5
2 1	11 7.95	− 4 8.3	2.121	2.951	12.2	19.3
2 11	11 1.94	− 3 42.3	2.044	2.951	9.1	19.1
2 21	10 54.35	− 2 59.1	1.992	2.951	5.7	18.9
3 2	10 45.89	− 2 1.8	1.968	2.950	3.1	18.7
3 12	10 37.46	− 0 55.8	1.974	2.949	4.5	18.8
3 22	10 29.93	+ 0 12.7	2.009	2.947	7.9	19.0
4 1	10 24.04	+ 1 17.3	2.070	2.945	11.2	19.2

398338 2011 QV_{38} 2 29.7 124°.55 3°.2/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 17.51	+13 15.0	1.901	2.693	14.8	21.6
2 1	11 12.48	+14 15.3	1.833	2.712	11.5	21.4
2 11	11 5.01	+15 24.0	1.789	2.731	7.7	21.2
2 21	10 55.76	+16 34.0	1.772	2.748	4.1	21.0
3 2	10 45.69	+17 37.4	1.785	2.765	3.8	21.0
3 12	10 35.92	+18 27.2	1.827	2.781	7.0	21.2
3 22	10 27.49	+18 59.6	1.895	2.796	10.6	21.5
4 1	10 21.14	+19 13.2	1.988	2.811	13.8	21.7

26334 Melimcdowell 2 29.7 77°.58 0°.8/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.03	+ 7 2.2	2.086	2.871	13.9	19.3
2 1	11 6.53	+ 7 38.0	2.004	2.878	10.9	19.1
2 11	11 0.97	+ 8 25.9	1.946	2.885	7.3	18.9
2 21	10 53.86	+ 9 21.6	1.913	2.892	3.4	18.6
3 2	10 45.98	+10 19.3	1.910	2.900	1.2	18.5
3 12	10 38.24	+11 12.8	1.935	2.907	5.0	18.8
3 22	10 31.50	+11 57.1	1.989	2.914	8.8	19.0
4 1	10 26.46	+12 28.6	2.067	2.922	12.1	19.2

167465 2003 YP_{21} 2 29.7 177°.79 0°.4/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.85	+ 6 57.8	2.311	3.087	13.0	20.6
2 1	11 7.00	+ 7 19.7	2.219	3.087	10.2	20.4
2 11	11 1.22	+ 7 52.2	2.151	3.088	6.9	20.2
2 21	10 53.97	+ 8 31.7	2.110	3.088	3.2	20.0
3 2	10 45.96	+ 9 13.9	2.098	3.088	0.8	19.8
3 12	10 38.03	+ 9 53.6	2.115	3.088	4.6	20.1
3 22	10 30.99	+10 26.4	2.161	3.088	8.1	20.3
4 1	10 25.51	+10 49.3	2.233	3.088	11.3	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
242167	2003 FA_{107}		2 29.7	300°.70	5°.0/25.9	15
	h m	° ′			°	m
1 22	11 12.24	+14 49.6	1.368	2.194	17.8	20.8
2 1	11 9.85	+15 49.0	1.275	2.173	14.0	20.5
2 11	11 4.21	+17 1.7	1.203	2.151	9.7	20.2
2 21	10 55.78	+18 19.1	1.154	2.130	5.8	19.9
3 2	10 45.64	+19 29.5	1.130	2.109	5.8	19.8
3 12	10 35.35	+20 21.6	1.132	2.088	10.0	20.0
3 22	10 26.51	+20 48.3	1.156	2.068	14.9	20.2
4 1	10 20.41	+20 47.1	1.201	2.048	19.4	20.4
52120	4106 *P–L*		2 29.7	31°.37	3°.5/ 4.6	18
1 22	11 7.02	− 6 19.3	2.103	2.837	15.4	18.8
2 1	11 4.24	− 6 4.9	2.011	2.840	12.8	18.6
2 11	10 59.47	− 5 29.5	1.939	2.843	9.6	18.4
2 21	10 53.18	− 4 34.1	1.891	2.847	6.3	18.2
3 2	10 46.08	− 3 22.2	1.871	2.850	3.7	18.1
3 12	10 39.06	− 2 0.0	1.879	2.854	4.7	18.2
3 22	10 32.95	− 0 34.9	1.915	2.858	7.9	18.4
4 1	10 28.44	+ 0 45.9	1.978	2.863	11.2	18.6
400306	2007 TO_{182}		2 29.7	115°.85	5°.6/24.6	18
1 22	11 17.82	+19 53.6	1.870	2.674	14.6	20.9
2 1	11 12.82	+21 10.1	1.811	2.693	11.4	20.7
2 11	11 5.29	+22 29.4	1.775	2.712	8.1	20.6
2 21	10 55.90	+23 42.7	1.766	2.730	5.8	20.5
3 2	10 45.68	+24 41.4	1.786	2.747	6.2	20.5
3 12	10 35.83	+25 19.3	1.833	2.764	8.9	20.7
3 22	10 27.41	+25 34.2	1.907	2.780	12.0	20.9
4 1	10 21.18	+25 26.9	2.002	2.795	14.8	21.2
229145	2004 RD_{326}		2 29.7	111°.82	5°.7/ 6.6	18
1 22	11 12.67	−11 23.0	2.300	2.985	15.5	20.4
2 1	11 8.41	−11 53.1	2.213	3.000	13.2	20.3
2 11	11 2.16	−12 3.5	2.146	3.014	10.6	20.1
2 21	10 54.42	−11 53.3	2.103	3.028	7.9	20.0
3 2	10 45.90	−11 23.4	2.086	3.042	6.0	19.9
3 12	10 37.50	−10 37.4	2.098	3.055	6.1	19.9
3 22	10 30.04	− 9 40.7	2.138	3.068	8.0	20.0
4 1	10 24.21	− 8 39.9	2.204	3.081	10.6	20.2
378314	2007 FV_{46}		2 29.7	285°.68	3°.9/26.2	18
1 22	11 13.95	+16 29.4	1.916	2.721	14.3	20.7
2 1	11 9.92	+17 11.6	1.833	2.718	11.1	20.5
2 11	11 3.45	+17 59.3	1.773	2.715	7.6	20.3
2 21	10 55.11	+18 46.2	1.739	2.713	4.6	20.1
3 2	10 45.79	+19 25.2	1.733	2.710	4.5	20.1
3 12	10 36.62	+19 50.1	1.756	2.707	7.5	20.2
3 22	10 28.65	+19 57.8	1.804	2.705	11.1	20.4
4 1	10 22.69	+19 47.3	1.876	2.702	14.3	20.6
44773	1999 TU_{140}		2 29.7	282°.00	2°.8/ 2.9	18
1 22	11 11.04	− 1 25.1	1.659	2.426	17.7	19.7
2 1	11 8.08	− 1 24.9	1.562	2.418	14.5	19.5
2 11	11 2.50	− 1 3.9	1.486	2.410	10.5	19.2
2 21	10 54.78	− 0 23.0	1.433	2.402	6.2	19.0
3 2	10 45.83	+ 0 33.8	1.406	2.393	2.8	18.7
3 12	10 36.84	+ 1 39.4	1.407	2.385	5.4	18.9
3 22	10 29.01	+ 2 45.7	1.434	2.377	10.0	19.1
4 1	10 23.32	+ 3 44.8	1.485	2.370	14.2	19.3
106182	2000 UF_{7}		2 29.7	147°.03	0°.1/29.7	18
1 22	11 8.91	+ 4 58.4	2.914	3.674	11.0	20.8
2 1	11 5.03	+ 5 26.5	2.823	3.682	8.6	20.7
2 11	10 59.64	+ 6 4.3	2.757	3.689	5.8	20.5
2 21	10 53.15	+ 6 49.0	2.719	3.696	2.8	20.3
3 2	10 46.11	+ 7 36.8	2.712	3.703	0.4	20.1
3 12	10 39.15	+ 8 23.7	2.735	3.709	3.6	20.4
3 22	10 32.88	+ 9 5.8	2.788	3.715	6.5	20.6
4 1	10 27.81	+ 9 40.2	2.868	3.720	9.2	20.8
327424	2005 WF_{22}		2 29.7	220°.07	1°.4/28.2	17
1 22	11 13.53	+ 9 43.5	2.412	3.189	12.5	22.3
2 1	11 9.12	+10 18.8	2.309	3.179	9.8	22.1
2 11	11 2.70	+11 3.5	2.230	3.168	6.6	21.8
2 21	10 54.72	+11 53.5	2.178	3.157	3.1	21.6
3 2	10 45.86	+12 43.7	2.157	3.145	1.8	21.5
3 12	10 36.99	+13 28.5	2.166	3.132	5.1	21.7
3 22	10 28.95	+14 3.7	2.204	3.119	8.7	21.9
4 1	10 22.47	+14 26.4	2.267	3.105	11.8	22.1
375295	2008 OP_{9}		2 29.7	146°.10	2°.7/26.2	18
1 22	11 10.90	+12 33.0	2.578	3.364	11.5	21.6
2 1	11 6.82	+13 49.9	2.499	3.376	8.9	21.4
2 11	11 0.97	+15 14.6	2.445	3.386	5.9	21.3
2 21	10 53.82	+16 41.4	2.421	3.396	3.2	21.1
3 2	10 46.01	+18 3.9	2.427	3.405	3.2	21.1
3 12	10 38.31	+19 16.0	2.464	3.414	5.8	21.3
3 22	10 31.43	+20 13.6	2.530	3.422	8.6	21.5
4 1	10 25.98	+20 54.6	2.621	3.430	11.2	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
340713	2006 SV_{55}		2 29.7	157°.95	8°.4/18.0	17
	h m	° ′			°	m
1 22	11 19.78	+40 9.6	2.917	3.685	10.8	21.0
2 1	11 13.79	+41 17.6	2.865	3.690	9.5	20.9
2 11	11 5.66	+42 15.1	2.836	3.695	8.6	20.9
2 21	10 56.01	+42 55.7	2.834	3.700	8.4	20.9
3 2	10 45.68	+43 14.3	2.857	3.705	9.1	20.9
3 12	10 35.68	+43 8.5	2.906	3.709	10.2	21.0
3 22	10 26.87	+42 39.1	2.978	3.713	11.6	21.1
4 1	10 19.93	+41 48.9	3.070	3.716	13.0	21.2
432138	2009 BT_{82}		2 29.7	10°.18	4°.5/25.7	18
1 22	11 9.45	+16 41.3	1.728	2.548	14.9	20.0
2 1	11 6.60	+17 35.2	1.656	2.550	11.6	19.8
2 11	11 1.28	+18 35.2	1.607	2.553	8.0	19.6
2 21	10 54.09	+19 34.1	1.584	2.557	5.0	19.5
3 2	10 45.98	+20 23.5	1.587	2.562	5.1	19.5
3 12	10 38.08	+20 56.8	1.617	2.567	8.2	19.7
3 22	10 31.45	+21 10.4	1.672	2.573	11.7	19.9
4 1	10 26.88	+21 3.4	1.749	2.580	15.0	20.1
381351	2008 CE_{175}		2 29.7	345°.33	10°.3/ 6.3	17
1 22	11 17.45	−13 25.8	1.865	2.547	18.7	19.1
2 1	11 13.12	−15 34.7	1.763	2.536	16.6	18.9
2 11	11 6.02	−17 28.0	1.681	2.526	14.2	18.7
2 21	10 56.55	−18 59.4	1.621	2.517	11.9	18.6
3 2	10 45.56	−20 3.7	1.586	2.508	10.5	18.5
3 12	10 34.28	−20 39.0	1.577	2.501	10.6	18.4
3 22	10 24.01	−20 47.7	1.593	2.494	12.2	18.5
4 1	10 15.88	−20 36.0	1.632	2.489	14.6	18.7
454877	2015 TR_{68}		2 29.7	31°.64	3°.0/ 2.5	17
1 22	11 12.60	+ 0 58.3	1.097	1.904	22.5	21.0
2 1	11 10.10	+ 0 31.3	1.039	1.918	18.1	20.7
2 11	11 4.17	+ 0 27.9	0.998	1.934	12.9	20.5
2 21	10 55.59	+ 0 46.5	0.977	1.950	7.3	20.2
3 2	10 45.75	+ 1 21.8	0.979	1.968	3.0	20.0
3 12	10 36.38	+ 2 4.9	1.006	1.986	6.6	20.3
3 22	10 28.96	+ 2 46.8	1.056	2.006	11.8	20.6
4 1	10 24.50	+ 3 19.7	1.126	2.026	16.5	21.0
161968	2007 JQ_{32}		2 29.7	245°.78	4°.7/24.6	17
1 22	11 12.69	+19 4.6	2.208	3.011	12.7	20.8
2 1	11 8.74	+20 8.7	2.117	3.000	9.9	20.6
2 11	11 2.59	+21 17.3	2.050	2.988	7.1	20.4
2 21	10 54.71	+22 23.8	2.010	2.976	4.9	20.2
3 2	10 45.88	+23 20.7	1.999	2.964	5.4	20.2
3 12	10 37.08	+24 1.7	2.017	2.952	7.9	20.3
3 22	10 29.25	+24 23.6	2.061	2.939	11.0	20.5
4 1	10 23.19	+24 25.2	2.128	2.926	13.8	20.7
380421	2003 DE_{14}		2 29.7	356°.75	10°.5/16.8	16
1 22	11 5.87	+30 20.5	1.665	2.500	14.7	19.5
2 1	11 4.36	+32 45.6	1.610	2.495	12.4	19.4
2 11	11 0.10	+35 6.8	1.578	2.491	10.8	19.3
2 21	10 53.66	+37 11.0	1.571	2.489	10.6	19.2
3 2	10 46.05	+38 46.2	1.588	2.487	12.0	19.3
3 12	10 38.61	+39 45.1	1.629	2.487	14.3	19.4
3 22	10 32.54	+40 6.2	1.689	2.488	16.7	19.6
4 1	10 28.80	+39 52.4	1.767	2.489	18.9	19.8
458800	2011 SV_{189}		2 29.7	128°.16	0°.1/29.8	18
1 22	11 16.13	+ 4 18.8	1.902	2.671	15.7	23.0
2 1	11 11.41	+ 4 50.2	1.825	2.688	12.3	22.8
2 11	11 4.33	+ 5 36.7	1.771	2.704	8.4	22.6
2 21	10 55.49	+ 6 33.9	1.743	2.720	4.0	22.3
3 2	10 45.79	+ 7 35.9	1.744	2.734	0.6	22.1
3 12	10 36.34	+ 8 35.6	1.774	2.748	5.1	22.5
3 22	10 28.11	+ 9 27.0	1.833	2.762	9.2	22.7
4 1	10 21.88	+10 6.0	1.916	2.774	12.8	23.0
330986	2009 TQ_{47}		2 29.7	109°.83	2°.8/26.9	18
1 22	11 12.45	+12 26.8	2.026	2.822	13.9	21.0
2 1	11 8.48	+13 21.9	1.952	2.834	10.7	20.8
2 11	11 2.31	+14 25.8	1.902	2.845	7.2	20.6
2 21	10 54.52	+15 32.2	1.879	2.856	3.7	20.4
3 2	10 45.94	+16 34.1	1.885	2.867	3.3	20.4
3 12	10 37.57	+17 25.0	1.920	2.878	6.4	20.6
3 22	10 30.30	+18 0.6	1.981	2.888	9.9	20.8
4 1	10 24.87	+18 19.0	2.067	2.898	13.0	21.1
7210	Darius		2 29.7	356°.40	0°.9/28.8	18
1 22	11 10.15	+ 7 24.2	2.033	2.820	14.2	17.4
2 1	11 6.76	+ 8 0.1	1.945	2.820	11.1	17.2
2 11	11 1.23	+ 8 48.5	1.880	2.820	7.5	17.0
2 21	10 54.06	+ 9 45.1	1.841	2.820	3.4	16.7
3 2	10 46.01	+10 43.8	1.830	2.820	1.3	16.5
3 12	10 38.06	+11 38.2	1.849	2.820	5.3	16.8
3 22	10 31.10	+12 22.8	1.895	2.820	9.2	17.1
4 1	10 25.89	+12 54.0	1.965	2.820	12.6	17.3

16723 Fumiofuke 2 29.7 151°46 0°8/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 9.80	+ 8 20.5	2.935	3.705	10.7	20.0
2 1	11 5.71	+ 8 52.8	2.847	3.713	8.3	19.8
2 11	11 0.11	+ 9 32.9	2.783	3.720	5.5	19.6
2 21	10 53.40	+10 17.5	2.748	3.727	2.5	19.4
3 2	10 46.13	+11 2.8	2.744	3.733	1.1	19.3
3 12	10 38.95	+11 44.6	2.770	3.739	3.9	19.5
3 22	10 32.48	+12 19.6	2.826	3.744	6.8	19.7
4 1	10 27.22	+12 45.3	2.909	3.750	9.4	19.9

320885 2008 GK_{40} 2 29.7 154°18 2°2/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 15.53	+12 49.9	2.569	3.347	11.8	21.4
2 1	11 10.37	+13 34.2	2.487	3.358	9.1	21.2
2 11	11 3.34	+14 24.8	2.430	3.369	6.1	21.0
2 21	10 54.95	+15 16.9	2.402	3.378	3.2	20.9
3 2	10 45.89	+16 5.3	2.405	3.387	2.6	20.8
3 12	10 36.98	+16 45.2	2.438	3.395	5.3	21.0
3 22	10 28.99	+17 13.4	2.501	3.402	8.4	21.2
4 1	10 22.54	+17 28.1	2.589	3.408	11.1	21.4

330922 2009 SY_{132} 2 29.7 183°20 2°2/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.20	+11 26.5	2.136	2.926	13.5	22.0
2 1	11 9.04	+12 7.2	2.049	2.926	10.5	21.8
2 11	11 2.72	+12 56.9	1.985	2.926	7.0	21.5
2 21	10 54.75	+13 50.5	1.948	2.926	3.5	21.3
3 2	10 45.92	+14 41.9	1.940	2.925	2.6	21.2
3 12	10 37.18	+15 25.0	1.961	2.924	5.9	21.5
3 22	10 29.46	+15 55.6	2.011	2.923	9.5	21.7
4 1	10 23.50	+16 11.3	2.084	2.921	12.7	21.9

251023 2006 QE_{46} 2 29.7 194°10 0°2/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.52	+ 4 54.0	2.176	2.944	14.0	22.0
2 1	11 9.28	+ 5 28.9	2.079	2.942	11.0	21.8
2 11	11 2.90	+ 6 17.7	2.005	2.939	7.5	21.6
2 21	10 54.86	+ 7 16.6	1.958	2.935	3.6	21.3
3 2	10 45.90	+ 8 20.4	1.940	2.931	0.6	21.1
3 12	10 36.97	+ 9 22.5	1.953	2.926	4.8	21.4
3 22	10 28.99	+10 17.3	1.994	2.920	8.7	21.6
4 1	10 22.70	+11 0.3	2.061	2.914	12.2	21.8

456299 2006 SN_{128} 2 29.7 192°37 2°5/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.58	+15 11.8	3.301	4.084	9.3	22.0
2 1	11 5.47	+16 9.4	3.207	4.082	7.2	21.8
2 11	10 59.93	+17 11.6	3.140	4.079	4.9	21.7
2 21	10 53.33	+18 14.2	3.103	4.075	2.9	21.5
3 2	10 46.16	+19 12.7	3.096	4.071	2.9	21.5
3 12	10 39.02	+20 3.1	3.121	4.066	5.0	21.6
3 22	10 32.48	+20 42.3	3.175	4.060	7.3	21.8
4 1	10 27.04	+21 8.8	3.255	4.054	9.5	21.9

304836 2007 RP_{28} 2 29.7 233°10 1°8/28.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 15.60	+ 9 43.8	1.809	2.600	15.5	21.5
2 1	11 11.49	+10 19.1	1.712	2.589	12.2	21.3
2 11	11 4.75	+11 6.8	1.637	2.578	8.3	21.0
2 21	10 55.86	+12 1.9	1.587	2.566	3.9	20.7
3 2	10 45.75	+12 57.3	1.566	2.554	2.3	20.6
3 12	10 35.60	+13 45.4	1.574	2.541	6.5	20.8
3 22	10 26.61	+14 20.5	1.608	2.528	10.9	21.0
4 1	10 19.75	+14 39.2	1.666	2.514	14.9	21.2

173925 2001 VQ_{84} 2 29.7 121°26 0°3/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.16	+ 5 28.8	2.498	3.262	12.5	20.2
2 1	11 7.81	+ 5 34.4	2.409	3.269	9.8	20.0
2 11	11 1.66	+ 5 49.8	2.344	3.276	6.7	19.8
2 21	10 54.18	+ 6 12.3	2.306	3.283	3.3	19.6
3 2	10 46.03	+ 6 38.5	2.298	3.289	0.5	19.4
3 12	10 38.00	+ 7 4.5	2.321	3.296	4.0	19.7
3 22	10 30.82	+ 7 26.7	2.372	3.302	7.3	19.9
4 1	10 25.11	+ 7 42.1	2.449	3.308	10.3	20.1

50326 2000 CH_{54} 2 29.7 249°16 1°6/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.37	+ 0 3.5	1.828	2.595	16.3	19.2
2 1	11 7.28	+ 0 25.5	1.732	2.590	13.1	18.9
2 11	11 1.80	+ 1 7.3	1.657	2.584	9.3	18.7
2 21	10 54.43	+ 2 6.3	1.606	2.578	5.1	18.4
3 2	10 45.98	+ 3 17.6	1.583	2.572	1.6	18.2
3 12	10 37.54	+ 4 33.5	1.588	2.566	5.0	18.4
3 22	10 30.15	+ 5 46.2	1.621	2.560	9.4	18.6
4 1	10 24.69	+ 6 48.9	1.678	2.554	13.3	18.8

128657 2004 RN_{50} 2 29.7 103°25 0°2/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.82	+ 2 43.5	1.587	2.370	17.7	20.3
2 1	11 9.34	+ 3 30.1	1.513	2.384	14.0	20.1
2 11	11 3.21	+ 4 37.1	1.460	2.397	9.5	19.8
2 21	10 55.06	+ 5 59.5	1.432	2.410	4.6	19.6
3 2	10 45.90	+ 7 29.0	1.432	2.422	0.6	19.3
3 12	10 36.98	+ 8 55.9	1.459	2.435	5.7	19.7
3 22	10 29.44	+10 11.5	1.513	2.447	10.4	20.0
4 1	10 24.13	+11 10.0	1.591	2.458	14.4	20.3

141313 2001 YK_{122} 2 29.7 7°40 8°5/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 10.25	−16 48.7	2.169	2.830	16.9	18.9
2 1	11 6.90	−17 55.8	2.074	2.830	15.0	18.8
2 11	11 1.40	−18 41.6	1.998	2.831	12.7	18.6
2 21	10 54.20	−19 2.8	1.943	2.833	10.5	18.5
3 2	10 46.02	−18 58.0	1.912	2.835	8.9	18.4
3 12	10 37.83	−18 28.9	1.906	2.837	8.6	18.4
3 22	10 30.54	−17 40.3	1.927	2.840	9.8	18.4
4 1	10 24.96	−16 39.2	1.971	2.843	11.8	18.6

124389 2001 QG_{179} 2 29.7 125°26 0°8/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 18.52	+ 4 19.1	1.695	2.468	17.1	20.1
2 1	11 13.62	+ 4 21.6	1.617	2.480	13.6	19.9
2 11	11 6.02	+ 4 38.9	1.560	2.493	9.4	19.7
2 21	10 56.37	+ 5 8.0	1.529	2.505	4.7	19.4
3 2	10 45.71	+ 5 43.8	1.525	2.516	0.9	19.2
3 12	10 35.30	+ 6 19.9	1.550	2.527	5.4	19.5
3 22	10 26.30	+ 6 50.6	1.603	2.537	9.9	19.8
4 1	10 19.60	+ 7 11.8	1.679	2.546	13.8	20.0

87222 2000 OV_{40} 2 29.7 123°89 2°0/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.49	− 1 47.7	2.721	3.455	12.3	19.7
2 1	11 5.60	− 1 38.8	2.631	3.466	9.9	19.5
2 11	11 0.10	− 1 16.6	2.564	3.477	7.2	19.4
2 21	10 53.43	− 0 42.6	2.524	3.488	4.3	19.2
3 2	10 46.17	+ 0 0.3	2.513	3.498	2.1	19.1
3 12	10 39.00	+ 0 48.1	2.532	3.508	3.6	19.2
3 22	10 32.58	+ 1 36.3	2.581	3.518	6.5	19.4
4 1	10 27.44	+ 2 20.8	2.657	3.527	9.2	19.6

269571 2009 WP_{161} 2 29.7 151°88 6°2/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 15.03	+23 57.2	2.124	2.930	13.0	20.7
2 1	11 10.57	+25 6.6	2.054	2.933	10.4	20.6
2 11	11 3.79	+26 15.9	2.008	2.937	7.8	20.4
2 21	10 55.26	+27 17.2	1.988	2.941	6.3	20.3
3 2	10 45.88	+28 3.0	1.997	2.944	6.9	20.4
3 12	10 36.72	+28 28.0	2.033	2.947	9.1	20.5
3 22	10 28.75	+28 30.5	2.094	2.950	11.8	20.7
4 1	10 22.72	+28 11.4	2.177	2.952	14.3	20.8

158109 2000 YG_{112} 2 29.7 64°09 5°0/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.17	+17 44.0	1.770	2.583	14.9	19.8
2 1	11 9.29	+18 58.4	1.715	2.605	11.5	19.7
2 11	11 2.95	+20 17.4	1.684	2.626	8.0	19.5
2 21	10 54.85	+21 32.4	1.678	2.648	5.3	19.4
3 2	10 45.96	+22 34.8	1.701	2.669	5.7	19.4
3 12	10 37.45	+23 17.9	1.751	2.691	8.5	19.6
3 22	10 30.32	+23 39.1	1.826	2.712	11.7	19.9
4 1	10 25.29	+23 38.5	1.923	2.734	14.6	20.1

292572 2006 TH_{80} 2 29.7 234°93 3°4/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.72	+19 14.5	3.033	3.818	10.0	22.0
2 1	11 8.89	+19 53.8	2.929	3.802	7.8	21.8
2 11	11 2.36	+20 35.2	2.851	3.786	5.5	21.6
2 21	10 54.53	+21 14.2	2.802	3.769	3.7	21.5
3 2	10 46.00	+21 46.4	2.784	3.751	3.8	21.5
3 12	10 37.46	+22 7.9	2.796	3.733	5.9	21.6
3 22	10 29.63	+22 16.3	2.837	3.715	8.3	21.7
4 1	10 23.09	+22 11.0	2.904	3.696	10.7	21.8

377348 2004 RA_{16} 2 29.7 201°53 0°6/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.78	+ 3 26.1	2.581	3.333	12.4	22.3
2 1	11 8.35	+ 3 43.7	2.476	3.329	9.9	22.1
2 11	11 2.10	+ 4 13.0	2.396	3.323	6.8	21.9
2 21	10 54.44	+ 4 51.6	2.343	3.317	3.5	21.7
3 2	10 46.01	+ 5 35.8	2.320	3.311	0.7	21.4
3 12	10 37.59	+ 6 21.0	2.328	3.303	3.9	21.7
3 22	10 29.93	+ 7 2.7	2.366	3.296	7.4	21.9
4 1	10 23.69	+ 7 37.3	2.430	3.287	10.4	22.1

34806 2001 SJ_{69} 2 29.7 154°06 3°0/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 16.61	+12 14.6	1.907	2.699	14.8	19.5
2 1	11 11.92	+13 14.4	1.830	2.708	11.5	19.3
2 11	11 4.78	+14 24.2	1.775	2.717	7.7	19.1
2 21	10 55.77	+15 37.3	1.748	2.724	4.0	18.9
3 2	10 45.82	+16 45.5	1.749	2.731	3.5	18.8
3 12	10 36.06	+17 41.5	1.780	2.738	6.9	19.1
3 22	10 27.53	+18 20.6	1.838	2.743	10.7	19.3
4 1	10 21.07	+18 40.6	1.920	2.748	14.0	19.5

350123 2011 QJ_{64} 2 29.7 174°55 2°5/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.13	− 3 59.0	2.715	3.441	12.5	22.3
2 1	11 4.63	− 3 47.5	2.614	3.442	10.2	22.1
2 11	10 59.52	− 3 20.9	2.536	3.443	7.6	22.0
2 21	10 53.20	− 2 40.6	2.485	3.444	4.7	21.8
3 2	10 46.23	− 1 49.1	2.462	3.444	2.6	21.6
3 12	10 39.30	− 0 50.9	2.469	3.444	3.8	21.7
3 22	10 33.06	+ 0 9.2	2.506	3.445	6.5	21.9
4 1	10 28.08	+ 1 6.5	2.570	3.445	9.3	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
95929 2003 JG_{14}			2 29.7 294°.30		1°.9/ 2.5 18	
	h m	° ′			°	m
1 22	11 7.42	− 1 39.4	1.854	2.618	16.2	19.6
2 1	11 5.03	− 1 6.3	1.748	2.603	13.2	19.4
2 11	11 0.34	− 0 10.7	1.663	2.589	9.5	19.1
2 21	10 53.78	+ 1 5.3	1.603	2.574	5.3	18.8
3 2	10 46.12	+ 2 36.4	1.570	2.559	1.9	18.5
3 12	10 38.38	+ 4 14.5	1.566	2.545	4.9	18.7
3 22	10 31.58	+ 5 50.3	1.589	2.531	9.3	18.9
4 1	10 26.61	+ 7 15.7	1.637	2.516	13.4	19.2
75016 1999 UC_{5}			2 29.7 131°.34		0°.5/ 1.2 18	
1 22	11 14.44	+ 3 15.5	1.974	2.740	15.3	20.0
2 1	11 10.07	+ 3 42.1	1.893	2.753	12.1	19.8
2 11	11 3.44	+ 4 24.0	1.834	2.765	8.3	19.6
2 21	10 55.11	+ 5 17.5	1.802	2.778	4.1	19.4
3 2	10 45.94	+ 6 17.2	1.798	2.789	0.6	19.1
3 12	10 36.96	+ 7 16.4	1.824	2.800	4.8	19.5
3 22	10 29.11	+ 8 9.1	1.879	2.810	8.8	19.7
4 1	10 23.14	+ 8 50.8	1.958	2.820	12.4	19.9
431970 2008 UV_{136}			2 29.7 212°.16		4°.3/ 6.2 18	
1 22	11 10.47	−10 48.6	2.929	3.605	12.6	22.0
2 1	11 6.42	−10 48.4	2.812	3.596	10.8	21.8
2 11	11 0.74	−10 31.0	2.716	3.586	8.5	21.6
2 21	10 53.80	− 9 56.4	2.645	3.576	6.2	21.5
3 2	10 46.14	− 9 5.8	2.603	3.564	4.5	21.3
3 12	10 38.43	− 8 2.6	2.590	3.553	4.7	21.3
3 22	10 31.34	− 6 51.5	2.608	3.540	6.7	21.4
4 1	10 25.46	− 5 38.1	2.654	3.527	9.1	21.6
82035 2000 SP_{155}			2 29.7 194°.11		3°.3/ 5.5 18	
1 22	11 7.50	− 8 42.1	3.125	3.816	11.6	20.4
2 1	11 3.95	− 8 28.1	3.016	3.814	9.8	20.2
2 11	10 58.97	− 7 58.5	2.928	3.811	7.5	20.1
2 21	10 52.92	− 7 13.8	2.867	3.808	5.2	19.9
3 2	10 46.28	− 6 16.1	2.834	3.805	3.5	19.8
3 12	10 39.66	− 5 9.1	2.832	3.801	3.9	19.8
3 22	10 33.62	− 3 57.4	2.860	3.796	5.9	19.9
4 1	10 28.68	− 2 45.7	2.917	3.792	8.3	20.1
325287 2008 HQ_{6}			2 29.7 1°.41		0°.4/29.3 16	
1 22	11 12.03	+ 6 20.8	1.714	2.505	16.2	21.4
2 1	11 8.67	+ 6 43.7	1.629	2.505	12.8	21.2
2 11	11 2.78	+ 7 21.4	1.565	2.505	8.7	21.0
2 21	10 54.90	+ 8 9.5	1.526	2.505	4.1	20.7
3 2	10 45.97	+ 9 1.9	1.515	2.505	0.9	20.4
3 12	10 37.15	+ 9 51.3	1.531	2.505	5.7	20.8
3 22	10 29.55	+10 31.5	1.574	2.506	10.2	21.0
4 1	10 24.04	+10 58.1	1.640	2.506	14.1	21.3
94468 2001 TS_{165}			2 29.7 323°.11		2°.8/ 2.3 18	
1 22	11 11.58	+ 1 38.2	1.268	2.067	20.4	18.6
2 1	11 9.41	+ 1 11.1	1.177	2.052	16.7	18.3
2 11	11 3.97	+ 1 3.8	1.104	2.039	12.1	18.0
2 21	10 55.75	+ 1 15.7	1.053	2.026	6.8	17.7
3 2	10 45.82	+ 1 43.6	1.025	2.014	2.8	17.4
3 12	10 35.77	+ 2 20.6	1.022	2.002	6.6	17.6
3 22	10 27.19	+ 2 58.3	1.043	1.992	12.2	17.8
4 1	10 21.39	+ 3 29.0	1.085	1.982	17.3	18.1
104025 2000 DF_{112}			2 29.7 257°.22		2°.8/26.9 18	
1 22	11 10.78	+10 48.2	1.861	2.662	14.8	20.1
2 1	11 7.66	+11 55.1	1.767	2.651	11.5	19.9
2 11	11 2.11	+13 15.7	1.695	2.640	7.7	19.6
2 21	10 54.62	+14 43.4	1.650	2.628	4.0	19.3
3 2	10 46.02	+16 9.7	1.634	2.617	3.4	19.3
3 12	10 37.39	+17 25.6	1.645	2.605	7.1	19.5
3 22	10 29.81	+18 24.5	1.684	2.593	11.2	19.7
4 1	10 24.18	+19 2.7	1.745	2.581	14.8	19.9
186123 2001 TW_{146}			2 29.7 256°.17		0°.8/28.9 17	
1 22	11 11.46	+ 6 19.6	2.040	2.821	14.3	21.0
2 1	11 8.00	+ 7 2.1	1.933	2.804	11.3	20.8
2 11	11 2.27	+ 7 59.5	1.848	2.786	7.7	20.5
2 21	10 54.69	+ 9 7.8	1.789	2.768	3.6	20.2
3 2	10 46.01	+10 20.8	1.759	2.749	1.3	20.0
3 12	10 37.22	+11 31.0	1.759	2.730	5.5	20.3
3 22	10 29.34	+12 31.8	1.786	2.711	9.7	20.5
4 1	10 23.21	+13 18.3	1.838	2.691	13.5	20.7
503610 2016 GZ_{108}			2 29.7 164°.42		3°.3/26.4 17	
1 22	11 13.62	+15 21.1	2.197	2.992	13.0	21.5
2 1	11 9.31	+16 7.0	2.115	2.995	10.1	21.3
2 11	11 2.88	+16 58.7	2.057	2.998	6.9	21.1
2 21	10 54.85	+17 50.5	2.026	3.000	3.9	20.9
3 2	10 46.00	+18 36.0	2.024	3.002	3.8	20.9
3 12	10 37.30	+19 9.9	2.052	3.004	6.6	21.0
3 22	10 29.64	+19 28.6	2.106	3.005	9.8	21.2
4 1	10 23.72	+19 31.1	2.185	3.006	12.8	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
306573 2000 DL_{47}			2 29.7 349°.21		0°.2/29.8 18	
	h m	° ′			°	m
1 22	11 9.95	+ 5 17.0	1.412	2.218	18.4	20.6
2 1	11 7.62	+ 5 27.9	1.329	2.213	14.6	20.4
2 11	11 2.39	+ 5 56.5	1.266	2.208	10.1	20.1
2 21	10 54.84	+ 6 39.1	1.225	2.204	4.9	19.8
3 2	10 45.99	+ 7 29.2	1.210	2.201	0.7	19.5
3 12	10 37.24	+ 8 18.4	1.221	2.199	6.2	19.8
3 22	10 29.89	+ 8 59.0	1.257	2.198	11.3	20.1
4 1	10 24.96	+ 9 25.6	1.314	2.197	15.9	20.4
63963 2001 SZ_{68}			2 29.7 76°.20		4°.7/26.3 18	
1 22	11 20.14	+15 28.0	1.420	2.231	18.0	19.1
2 1	11 15.12	+16 31.8	1.373	2.261	13.9	19.0
2 11	11 7.05	+17 42.7	1.347	2.291	9.4	18.8
2 21	10 56.81	+18 50.8	1.346	2.321	5.5	18.6
3 2	10 45.74	+19 46.3	1.373	2.350	5.3	18.7
3 12	10 35.33	+20 21.7	1.426	2.379	8.8	19.0
3 22	10 26.82	+20 34.3	1.504	2.407	12.7	19.2
4 1	10 21.01	+20 24.9	1.604	2.435	16.2	19.5
39348 2002 AE_{117}			2 29.7 289°.29		0°.8/28.8 18	
1 22	11 9.00	+ 8 5.7	2.438	3.219	12.3	19.7
2 1	11 5.56	+ 8 32.2	2.339	3.211	9.6	19.5
2 11	11 0.30	+ 9 8.5	2.263	3.202	6.5	19.3
2 21	10 53.63	+ 9 51.1	2.215	3.194	3.0	19.1
3 2	10 46.19	+10 35.4	2.196	3.185	1.1	18.9
3 12	10 38.78	+11 16.6	2.206	3.177	4.6	19.1
3 22	10 32.15	+11 50.4	2.245	3.168	8.0	19.3
4 1	10 26.95	+12 13.6	2.309	3.160	11.1	19.5
292167 2006 SG_{9}			2 29.7 180°.76		0°.5/ 1.1 18	
1 22	11 15.27	+ 4 38.7	2.049	2.816	14.8	21.5
2 1	11 10.76	+ 4 49.4	1.956	2.817	11.7	21.3
2 11	11 3.98	+ 5 13.0	1.886	2.817	8.1	21.1
2 21	10 55.43	+ 5 46.7	1.841	2.817	4.0	20.8
3 2	10 45.93	+ 6 25.9	1.826	2.817	0.6	20.6
3 12	10 36.52	+ 7 5.2	1.841	2.816	4.8	20.9
3 22	10 28.16	+ 7 39.5	1.883	2.815	8.8	21.1
4 1	10 21.64	+ 8 4.7	1.952	2.813	12.4	21.3
261247 2005 UZ_{63}			2 29.7 260°.73		2°.6/27.3 18	
1 22	11 12.43	+11 56.6	1.960	2.758	14.3	21.1
2 1	11 8.81	+12 40.6	1.864	2.746	11.1	20.8
2 11	11 2.82	+13 34.8	1.791	2.734	7.5	20.6
2 21	10 54.94	+14 33.8	1.744	2.722	3.8	20.3
3 2	10 46.00	+15 30.4	1.726	2.710	3.1	20.3
3 12	10 37.06	+16 17.8	1.736	2.698	6.6	20.5
3 22	10 29.14	+16 50.8	1.773	2.685	10.5	20.7
4 1	10 23.13	+17 6.6	1.833	2.673	14.1	20.9
217621 2009 BG_{156}			2 29.7 335°.11		0°.1/29.6 18	
1 22	11 8.53	+ 4 31.1	1.333	2.143	19.0	20.5
2 1	11 6.73	+ 4 57.5	1.248	2.134	15.2	20.3
2 11	11 1.94	+ 5 45.4	1.182	2.126	10.4	20.0
2 21	10 54.70	+ 6 50.5	1.139	2.118	5.0	19.6
3 2	10 46.03	+ 8 4.9	1.120	2.111	0.8	19.3
3 12	10 37.39	+ 9 18.0	1.127	2.105	6.6	19.7
3 22	10 30.17	+10 20.1	1.158	2.099	12.1	20.0
4 1	10 25.48	+11 4.4	1.211	2.095	16.8	20.2
92598 2000 PM_{19}			2 29.7 282°.95		1°.7/28.5 18	
1 22	11 15.10	+ 9 43.2	1.503	2.307	17.5	19.9
2 1	11 11.69	+10 2.9	1.409	2.293	13.9	19.6
2 11	11 5.24	+10 35.8	1.335	2.279	9.4	19.3
2 21	10 56.26	+11 17.1	1.286	2.266	4.5	19.0
3 2	10 45.79	+11 59.4	1.263	2.252	2.2	18.8
3 12	10 35.27	+12 34.5	1.267	2.239	7.1	19.1
3 22	10 26.12	+12 56.3	1.296	2.225	12.2	19.3
4 1	10 19.48	+13 1.1	1.347	2.212	16.7	19.6
85362 1995 WR_{32}			2 29.7 107°.27		6°.2/23.7 18	
1 22	11 18.13	+25 1.6	2.183	2.981	13.0	20.0
2 1	11 12.76	+26 3.1	2.125	3.000	10.3	19.9
2 11	11 5.12	+27 2.4	2.092	3.018	7.8	19.8
2 21	10 55.85	+27 51.9	2.086	3.036	6.3	19.7
3 2	10 45.90	+28 25.1	2.108	3.053	6.8	19.7
3 12	10 36.31	+28 37.9	2.158	3.070	8.8	19.9
3 22	10 28.01	+28 29.4	2.234	3.086	11.3	20.1
4 1	10 21.71	+28 1.3	2.332	3.102	13.6	20.3
305627 2009 AO_{45}			2 29.7 287°.67		1°.6/ 2.6 17	
1 22	11 6.93	− 0 58.1	2.378	3.130	13.4	20.9
2 1	11 4.03	− 0 31.6	2.273	3.121	10.8	20.7
2 11	10 59.31	+ 0 11.3	2.190	3.112	7.7	20.5
2 21	10 53.19	+ 1 8.5	2.134	3.103	4.3	20.3
3 2	10 46.28	+ 2 16.2	2.106	3.094	1.6	20.1
3 12	10 39.36	+ 3 28.6	2.107	3.085	4.0	20.2
3 22	10 33.19	+ 4 39.8	2.138	3.076	7.5	20.4
4 1	10 28.43	+ 5 44.1	2.195	3.068	10.7	20.6

453924 2011 WC_{61} 2 29.7 239°23 3°8/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 12.47	− 4 12.1	1.749	2.497	17.6	21.0
2 1	11 9.13	− 4 18.5	1.649	2.489	14.6	20.8
2 11	11 3.22	− 4 3.1	1.569	2.481	11.0	20.5
2 21	10 55.21	− 3 26.2	1.512	2.473	7.0	20.3
3 2	10 45.96	− 2 30.4	1.481	2.464	3.9	20.1
3 12	10 36.65	− 1 22.2	1.479	2.455	5.6	20.2
3 22	10 28.44	− 0 9.6	1.503	2.445	9.7	20.4
4 1	10 22.29	+ 0 59.2	1.551	2.436	13.7	20.6

120258 2004 GS_{18} 2 29.7 216°10 1°2/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.84	− 0 10.6	3.037	3.775	11.0	20.5
2 1	11 4.28	+ 0 20.3	2.926	3.768	8.9	20.3
2 11	10 59.24	+ 1 3.9	2.840	3.759	6.3	20.1
2 21	10 53.08	+ 1 58.2	2.781	3.750	3.4	19.9
3 2	10 46.31	+ 3 0.0	2.752	3.741	1.2	19.7
3 12	10 39.52	+ 4 4.8	2.755	3.732	3.3	19.9
3 22	10 33.32	+ 5 8.3	2.788	3.722	6.2	20.1
4 1	10 28.23	+ 6 6.2	2.849	3.711	8.9	20.2

252973 2002 PQ_{177} 2 29.7 261°10 2°2/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.31	+10 14.6	1.790	2.587	15.4	21.3
2 1	11 9.81	+10 58.4	1.690	2.571	12.1	21.0
2 11	11 3.69	+11 55.2	1.612	2.556	8.2	20.7
2 21	10 55.45	+12 59.7	1.561	2.540	4.0	20.5
3 2	10 45.95	+14 4.2	1.537	2.523	2.8	20.3
3 12	10 36.37	+15 0.5	1.541	2.507	6.8	20.5
3 22	10 27.89	+15 42.3	1.572	2.490	11.2	20.8
4 1	10 21.49	+16 5.9	1.625	2.472	15.2	21.0

260156 2004 RB_{41} 2 29.7 95°44 0°2/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.10	+ 4 8.1	1.950	2.727	15.1	20.9
2 1	11 7.57	+ 4 34.7	1.866	2.733	11.9	20.7
2 11	11 1.83	+ 5 16.2	1.804	2.739	8.1	20.4
2 21	10 54.41	+ 6 8.9	1.768	2.745	4.0	20.2
3 2	10 46.12	+ 7 7.4	1.760	2.751	0.5	19.9
3 12	10 37.97	+ 8 4.9	1.781	2.757	4.9	20.3
3 22	10 30.88	+ 8 55.4	1.830	2.763	8.9	20.5
4 1	10 25.61	+ 9 34.6	1.903	2.769	12.5	20.8

520988 2015 AN_{286} 2 29.7 354°20 1°8/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.92	− 0 18.6	1.998	2.760	15.2	21.7
2 1	11 5.89	− 0 1.0	1.905	2.759	12.3	21.5
2 11	11 0.72	+ 0 34.4	1.834	2.759	8.8	21.3
2 21	10 53.91	+ 1 25.4	1.788	2.758	4.9	21.1
3 2	10 46.20	+ 2 27.5	1.770	2.758	1.8	20.9
3 12	10 38.55	+ 3 34.2	1.780	2.758	4.5	21.0
3 22	10 31.86	+ 4 38.9	1.818	2.758	8.5	21.3
4 1	10 26.89	+ 5 35.5	1.881	2.758	12.1	21.5

389121 2008 YD_{118} 2 29.7 59°69 1°3/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.60	+ 2 31.8	2.106	2.870	14.5	21.0
2 1	11 7.74	+ 2 32.2	2.023	2.880	11.5	20.8
2 11	11 1.82	+ 2 46.0	1.963	2.891	8.1	20.6
2 21	10 54.37	+ 3 10.9	1.928	2.901	4.3	20.4
3 2	10 46.15	+ 3 43.2	1.922	2.911	1.3	20.2
3 12	10 38.09	+ 4 18.0	1.945	2.922	4.3	20.5
3 22	10 31.04	+ 4 50.5	1.996	2.933	8.0	20.7
4 1	10 25.69	+ 5 16.7	2.072	2.944	11.4	20.9

22838 Darcyhampton 2 29.7 112°34 0°2/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.50	+ 4 45.6	2.080	2.856	14.3	19.3
2 1	11 6.96	+ 5 22.3	1.996	2.864	11.2	19.1
2 11	11 1.34	+ 6 13.1	1.935	2.871	7.6	18.9
2 21	10 54.16	+ 7 14.1	1.900	2.878	3.6	18.6
3 2	10 46.18	+ 8 19.4	1.894	2.885	0.6	18.4
3 12	10 38.33	+ 9 22.4	1.918	2.892	4.8	18.7
3 22	10 31.47	+10 17.5	1.969	2.898	8.6	19.0
4 1	10 26.30	+11 0.4	2.045	2.905	12.0	19.2

8701 1993 LG_{2} 2 29.7 203°56 1°5/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.35	− 0 38.9	2.868	3.606	11.6	18.3
2 1	11 4.75	− 0 19.9	2.763	3.603	9.4	18.1
2 11	10 59.60	+ 0 12.0	2.682	3.599	6.7	17.9
2 21	10 53.28	+ 0 55.1	2.627	3.595	3.8	17.7
3 2	10 46.32	+ 1 46.2	2.603	3.590	1.6	17.6
3 12	10 39.38	+ 2 41.3	2.609	3.585	3.4	17.7
3 22	10 33.07	+ 3 35.8	2.644	3.580	6.4	17.9
4 1	10 27.96	+ 4 25.7	2.707	3.575	9.2	18.0

3432 Kobuchizawa 2 29.7 285°56 3°2/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.82	+16 35.3	2.449	3.240	11.9	17.1
2 1	11 9.48	+17 3.6	2.338	3.216	9.4	16.9
2 11	11 3.08	+17 36.0	2.252	3.192	6.5	16.7
2 21	10 55.04	+18 8.0	2.194	3.167	3.8	16.5
3 2	10 46.05	+18 34.2	2.164	3.142	3.6	16.4
3 12	10 37.00	+18 50.1	2.165	3.117	6.3	16.5
3 22	10 28.76	+18 52.5	2.193	3.092	9.5	16.7
4 1	10 22.10	+18 40.4	2.246	3.066	12.5	16.8

457577 2008 YT_{150} 2 29.7 282°55 3°5/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 11.26	+11 14.5	1.517	2.331	16.9	21.0
2 1	11 8.61	+12 22.4	1.429	2.321	13.2	20.8
2 11	11 3.09	+13 46.3	1.364	2.311	8.9	20.5
2 21	10 55.23	+15 18.2	1.323	2.301	4.7	20.2
3 2	10 46.01	+16 47.5	1.308	2.291	4.2	20.2
3 12	10 36.80	+18 3.3	1.321	2.281	8.4	20.4
3 22	10 28.91	+18 58.0	1.358	2.272	13.0	20.6
4 1	10 23.40	+19 27.9	1.416	2.262	17.1	20.8

416881 2005 QO_{55} 2 29.7 166°29 1°1/28.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 17.42	+ 9 59.3	2.517	3.284	12.3	22.3
2 1	11 11.92	+10 15.9	2.427	3.290	9.6	22.1
2 11	11 4.49	+10 39.8	2.360	3.296	6.5	21.9
2 21	10 55.60	+11 7.3	2.322	3.300	3.0	21.7
3 2	10 45.99	+11 34.3	2.315	3.304	1.4	21.6
3 12	10 36.50	+11 56.7	2.340	3.308	4.6	21.8
3 22	10 27.94	+12 11.2	2.394	3.310	8.0	22.1
4 1	10 20.97	+12 16.0	2.474	3.312	10.9	22.3

384539 2010 EA_{21} 2 29.7 183°71 1°8/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.35	+10 19.3	2.212	3.002	13.1	21.0
2 1	11 6.78	+11 0.7	2.124	3.002	10.2	20.8
2 11	11 1.20	+11 51.7	2.060	3.002	6.8	20.6
2 21	10 54.10	+12 47.6	2.023	3.002	3.3	20.3
3 2	10 46.20	+13 42.5	2.015	3.001	2.2	20.3
3 12	10 38.40	+14 30.5	2.036	3.001	5.5	20.5
3 22	10 31.51	+15 7.2	2.085	3.001	9.0	20.7
4 1	10 26.25	+15 29.8	2.159	3.001	12.1	20.9

189383 2008 GE_{27} 2 29.7 173°95 0°6/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.62	+ 3 38.7	2.314	3.070	13.6	21.2
2 1	11 9.97	+ 3 53.1	2.219	3.074	10.8	21.0
2 11	11 3.30	+ 4 19.9	2.148	3.076	7.5	20.8
2 21	10 55.09	+ 4 56.5	2.104	3.078	3.8	20.6
3 2	10 46.06	+ 5 38.8	2.089	3.080	0.7	20.4
3 12	10 37.10	+ 6 21.8	2.105	3.080	4.3	20.6
3 22	10 29.07	+ 7 0.8	2.150	3.080	7.9	20.9
4 1	10 22.66	+ 7 32.0	2.221	3.080	11.2	21.1

445957 2013 AM_{89} 2 29.7 87°06 5°8/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 18.44	+17 1.5	1.468	2.282	17.4	20.8
2 1	11 13.85	+18 36.2	1.420	2.309	13.4	20.7
2 11	11 6.27	+20 17.3	1.394	2.336	9.3	20.5
2 21	10 56.52	+21 53.4	1.394	2.363	6.2	20.4
3 2	10 45.86	+23 12.8	1.421	2.389	6.6	20.5
3 12	10 35.77	+24 7.5	1.475	2.415	9.8	20.7
3 22	10 27.46	+24 34.4	1.553	2.440	13.4	21.0
4 1	10 21.78	+24 34.8	1.653	2.464	16.6	21.2

87675 2000 RH_{101} 2 29.7 174°30 4°7/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.77	− 7 5.2	2.330	3.035	14.8	19.8
2 1	11 10.15	− 7 37.7	2.230	3.037	12.5	19.6
2 11	11 3.48	− 7 53.9	2.152	3.039	9.7	19.4
2 21	10 55.20	− 7 52.8	2.098	3.040	6.8	19.2
3 2	10 46.04	− 7 35.5	2.073	3.041	4.8	19.1
3 12	10 36.89	− 7 5.1	2.076	3.042	5.4	19.1
3 22	10 28.63	− 6 26.2	2.109	3.042	7.9	19.3
4 1	10 21.99	− 5 44.3	2.167	3.041	10.8	19.5

231849 2000 SB_{41} 2 29.7 179°21 0°7/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.02	+ 8 9.4	2.971	3.739	10.6	21.1
2 1	11 5.94	+ 8 38.0	2.875	3.740	8.3	20.9
2 11	11 0.34	+ 9 14.4	2.805	3.741	5.5	20.8
2 21	10 53.61	+ 9 55.6	2.763	3.741	2.6	20.5
3 2	10 46.29	+10 37.9	2.752	3.741	1.0	20.4
3 12	10 39.03	+11 17.1	2.771	3.741	3.9	20.6
3 22	10 32.44	+11 50.0	2.821	3.740	6.8	20.8
4 1	10 27.04	+12 14.2	2.897	3.739	9.4	21.0

42885 1999 RZ_{148} 2 29.7 102°48 0°1/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.30	+ 3 21.6	1.687	2.468	16.8	19.2
2 1	11 8.82	+ 4 4.0	1.610	2.480	13.3	19.0
2 11	11 2.84	+ 5 5.1	1.555	2.491	9.1	18.7
2 21	10 54.95	+ 6 20.1	1.525	2.502	4.3	18.5
3 2	10 46.09	+ 7 41.4	1.523	2.513	0.6	18.2
3 12	10 37.43	+ 9 0.2	1.549	2.524	5.5	18.6
3 22	10 30.05	+10 8.8	1.602	2.535	10.0	18.9
4 1	10 24.76	+11 1.9	1.679	2.545	13.8	19.1

520968 2014 YU_{62} 2 29.7 138°55 3°0/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 15.70	+15 33.1	2.462	3.247	12.0	21.8
2 1	11 10.61	+16 13.7	2.386	3.260	9.3	21.7
2 11	11 3.58	+16 58.5	2.334	3.273	6.3	21.5
2 21	10 55.16	+17 42.6	2.311	3.285	3.6	21.3
3 2	10 46.07	+18 20.7	2.319	3.296	3.4	21.3
3 12	10 37.18	+18 48.2	2.356	3.307	5.9	21.5
3 22	10 29.28	+19 2.5	2.422	3.317	8.8	21.7
4 1	10 23.01	+19 2.7	2.513	3.327	11.5	21.9

26567 2000 EC_{48} 2 29.7 194°.15 0°.3/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 12.96	+ 3 57.8	2.309	3.070	13.4	19.2
2 1	11 8.75	+ 4 24.8	2.210	3.068	10.7	19.0
2 11	11 2.53	+ 5 5.0	2.134	3.065	7.3	18.8
2 21	10 54.75	+ 5 55.4	2.086	3.062	3.6	18.6
3 2	10 46.12	+ 6 51.3	2.067	3.058	0.5	18.3
3 12	10 37.53	+ 7 47.2	2.078	3.053	4.4	18.6
3 22	10 29.80	+ 8 37.6	2.119	3.048	8.1	18.8
4 1	10 23.66	+ 9 18.5	2.185	3.042	11.4	19.0

70919 1999 VA_{196} 2 29.7 172°.84 2°.7/ 3.2 18

1 22	11 13.26	− 2 30.8	1.982	2.726	15.9	20.3
2 1	11 9.31	− 2 23.6	1.888	2.729	13.0	20.1
2 11	11 3.07	− 1 57.5	1.816	2.731	9.5	19.9
2 21	10 55.06	− 1 13.9	1.768	2.733	5.7	19.7
3 2	10 46.08	− 0 16.5	1.748	2.734	2.8	19.5
3 12	10 37.15	+ 0 48.4	1.758	2.734	4.8	19.6
3 22	10 29.26	+ 1 54.1	1.795	2.734	8.6	19.8
4 1	10 23.21	+ 2 53.9	1.858	2.734	12.2	20.1

244750 2003 SS_{56} 2 29.7 218°.67 1°.5/ 2.0 17

1 22	11 14.06	+ 1 16.8	1.892	2.654	16.0	21.7
2 1	11 10.15	+ 1 26.8	1.793	2.648	12.9	21.4
2 11	11 3.78	+ 1 53.9	1.714	2.641	9.1	21.2
2 21	10 55.46	+ 2 35.9	1.661	2.633	4.9	20.9
3 2	10 46.01	+ 3 28.5	1.636	2.625	1.5	20.7
3 12	10 36.54	+ 4 25.3	1.640	2.617	5.0	20.9
3 22	10 28.12	+ 5 19.5	1.671	2.608	9.3	21.1
4 1	10 21.65	+ 6 5.4	1.727	2.599	13.3	21.3

423743 2006 BE_{252} 2 29.7 124°.96 0°.2/29.5 16

1 22	11 11.06	+ 5 8.7	2.168	2.942	13.8	22.0
2 1	11 7.30	+ 5 44.4	2.084	2.950	10.9	21.8
2 11	11 1.54	+ 6 33.3	2.023	2.958	7.4	21.6
2 21	10 54.26	+ 7 31.5	1.989	2.966	3.5	21.4
3 2	10 46.22	+ 8 33.4	1.984	2.974	0.7	21.2
3 12	10 38.31	+ 9 32.9	2.008	2.982	4.6	21.5
3 22	10 31.36	+10 24.7	2.061	2.989	8.4	21.7
4 1	10 26.05	+11 4.7	2.139	2.996	11.7	21.9

359018 2008 UC_{299} 2 29.7 184°.70 2°.9/ 3.3 18

1 22	11 16.20	− 2 45.7	2.029	2.764	15.9	22.3
2 1	11 11.59	− 2 44.4	1.930	2.765	13.0	22.1
2 11	11 4.64	− 2 24.9	1.853	2.764	9.6	21.9
2 21	10 55.82	− 1 48.1	1.801	2.763	5.8	21.6
3 2	10 45.98	− 0 57.2	1.777	2.762	3.0	21.5
3 12	10 36.14	+ 0 2.2	1.783	2.759	4.9	21.6
3 22	10 27.34	+ 1 3.3	1.818	2.755	8.7	21.8
4 1	10 20.42	+ 1 59.8	1.878	2.750	12.3	22.0

214896 2007 TZ_{28} 2 29.7 34°.57 3°.8/ 3.8 18

1 22	11 9.80	− 4 4.4	1.449	2.218	19.7	20.5
2 1	11 7.36	− 4 4.1	1.370	2.224	16.2	20.3
2 11	11 2.14	− 3 37.9	1.310	2.230	12.0	20.1
2 21	10 54.73	− 2 46.7	1.272	2.236	7.4	19.8
3 2	10 46.14	− 1 35.4	1.259	2.243	3.9	19.6
3 12	10 37.71	− 0 12.6	1.272	2.250	5.8	19.7
3 22	10 30.66	+ 1 11.4	1.310	2.258	10.3	20.0
4 1	10 25.95	+ 2 27.3	1.371	2.265	14.6	20.3

224434 2005 UJ_{465} 2 29.7 305°.96 3°.1/27.2 18

1 22	11 10.17	+11 34.9	1.624	2.436	16.1	19.9
2 1	11 7.68	+12 24.0	1.523	2.414	12.6	19.6
2 11	11 2.47	+13 27.0	1.445	2.392	8.6	19.3
2 21	10 54.98	+14 37.6	1.391	2.370	4.4	19.0
3 2	10 46.09	+15 47.0	1.364	2.348	3.7	18.9
3 12	10 37.07	+16 46.0	1.363	2.327	7.8	19.1
3 22	10 29.19	+17 27.4	1.388	2.306	12.4	19.3
4 1	10 23.53	+17 47.3	1.434	2.285	16.6	19.5

490045 2008 TS_{51} 2 29.7 210°.97 2°.5/27.7 18

1 22	11 18.35	+11 40.5	1.901	2.688	15.0	22.6
2 1	11 13.54	+12 20.9	1.805	2.680	11.8	22.3
2 11	11 6.12	+13 11.7	1.732	2.672	8.0	22.1
2 21	10 56.59	+14 7.3	1.686	2.663	4.0	21.8
3 2	10 45.88	+15 0.4	1.668	2.653	3.0	21.7
3 12	10 35.17	+15 43.7	1.680	2.643	6.7	21.9
3 22	10 25.63	+16 12.4	1.720	2.631	10.9	22.2
4 1	10 18.20	+16 24.0	1.783	2.618	14.6	22.4

60951 2000 JA_{62} 2 29.7 151°.47 0°.1/29.7 18

1 22	11 15.03	+ 4 24.2	1.786	2.562	16.3	19.5
2 1	11 10.89	+ 4 58.2	1.703	2.569	12.9	19.3
2 11	11 4.23	+ 5 48.8	1.641	2.576	8.8	19.0
2 21	10 55.64	+ 6 51.5	1.605	2.583	4.2	18.8
3 2	10 46.03	+ 7 59.9	1.598	2.589	0.6	18.5
3 12	10 36.58	+ 9 5.9	1.619	2.594	5.4	18.9
3 22	10 28.36	+10 2.9	1.668	2.599	9.8	19.1
4 1	10 22.22	+10 45.9	1.742	2.603	13.7	19.4

501415 2013 YS_{128} 2 29.7 67°.47 1°.4/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 8.13	+ 7 29.2	2.138	2.926	13.5	21.1
2 1	11 5.09	+ 8 31.5	2.056	2.933	10.5	20.9
2 11	11 0.08	+ 9 46.9	1.998	2.940	7.0	20.7
2 21	10 53.60	+11 9.9	1.968	2.947	3.2	20.4
3 2	10 46.35	+12 33.6	1.967	2.955	1.9	20.3
3 12	10 39.22	+13 50.7	1.995	2.962	5.4	20.6
3 22	10 33.02	+14 55.6	2.051	2.969	9.0	20.8
4 1	10 28.42	+15 44.5	2.131	2.977	12.1	21.0

132863 2002 RM_{79} 2 29.7 182°.48 0°.1/29.8 17

1 22	11 10.95	+ 5 14.8	2.492	3.258	12.5	20.6
2 1	11 7.00	+ 5 38.1	2.397	3.258	9.8	20.4
2 11	11 1.24	+ 6 12.5	2.325	3.258	6.7	20.2
2 21	10 54.12	+ 6 54.9	2.281	3.258	3.2	20.0
3 2	10 46.27	+ 7 41.2	2.266	3.257	0.5	19.7
3 12	10 38.48	+ 8 26.6	2.282	3.256	4.1	20.0
3 22	10 31.50	+ 9 6.6	2.327	3.255	7.5	20.2
4 1	10 25.94	+ 9 37.8	2.398	3.254	10.6	20.4

238100 2003 HU_{35} 2 29.7 221°.34 1°.5/28.4 18

1 22	11 13.34	+ 7 17.6	1.778	2.567	15.8	20.7
2 1	11 9.77	+ 8 9.3	1.684	2.560	12.4	20.4
2 11	11 3.64	+ 9 17.2	1.612	2.553	8.4	20.2
2 21	10 55.44	+10 36.0	1.566	2.545	3.9	19.9
3 2	10 46.06	+11 57.7	1.548	2.536	1.9	19.7
3 12	10 36.67	+13 13.4	1.558	2.527	6.3	20.0
3 22	10 28.41	+14 15.7	1.596	2.518	10.8	20.2
4 1	10 22.23	+15 0.0	1.657	2.508	14.8	20.4

505569 2014 BS_{6} 2 29.7 161°.66 1°.2/ 2.1 17

1 22	11 11.22	+ 2 11.4	2.688	3.437	12.1	21.9
2 1	11 7.04	+ 2 13.0	2.592	3.440	9.6	21.7
2 11	11 1.18	+ 2 25.4	2.519	3.442	6.8	21.5
2 21	10 54.06	+ 2 46.8	2.474	3.445	3.6	21.3
3 2	10 46.29	+ 3 14.6	2.458	3.447	1.2	21.1
3 12	10 38.58	+ 3 44.9	2.473	3.449	3.6	21.3
3 22	10 31.62	+ 4 14.1	2.517	3.451	6.7	21.5
4 1	10 25.98	+ 4 38.8	2.588	3.452	9.6	21.7

217043 2001 QC_{132} 2 29.7 208°.12 2°.1/ 2.7 17

1 22	11 13.41	− 0 25.9	2.222	2.967	14.4	21.1
2 1	11 9.23	− 0 22.0	2.119	2.962	11.7	20.9
2 11	11 2.95	− 0 2.8	2.038	2.956	8.4	20.7
2 21	10 55.01	+ 0 30.3	1.982	2.950	4.8	20.4
3 2	10 46.14	+ 1 14.1	1.956	2.943	2.1	20.2
3 12	10 37.25	+ 2 3.5	1.959	2.936	4.4	20.4
3 22	10 29.24	+ 2 53.1	1.991	2.928	8.1	20.6
4 1	10 22.89	+ 3 37.6	2.049	2.919	11.5	20.8

389238 2009 EO_{24} 2 29.7 260°.59 0°.2/29.5 17

1 22	11 9.04	+ 5 56.9	2.539	3.310	12.1	21.9
2 1	11 5.56	+ 6 23.7	2.435	3.300	9.5	21.7
2 11	11 0.31	+ 7 1.4	2.354	3.289	6.5	21.4
2 21	10 53.70	+ 7 47.0	2.301	3.279	3.1	21.2
3 2	10 46.33	+ 8 36.2	2.277	3.268	0.6	21.0
3 12	10 38.96	+ 9 24.2	2.283	3.257	4.2	21.2
3 22	10 32.31	+10 6.5	2.318	3.246	7.6	21.4
4 1	10 27.02	+10 39.5	2.379	3.234	10.7	21.6

341276 2007 RD_{284} 2 29.7 103°.75 0°.7/29.1 17

1 22	11 14.39	+ 8 46.7	2.404	3.176	12.7	21.6
2 1	11 9.60	+ 8 57.3	2.324	3.191	9.9	21.4
2 11	11 2.92	+ 9 15.8	2.269	3.205	6.6	21.2
2 21	10 54.88	+ 9 39.0	2.240	3.219	3.1	21.0
3 2	10 46.19	+10 2.8	2.242	3.232	1.0	20.9
3 12	10 37.69	+10 23.2	2.274	3.246	4.4	21.1
3 22	10 30.15	+10 37.1	2.335	3.259	7.8	21.4
4 1	10 24.20	+10 42.2	2.422	3.272	10.7	21.6

427731 2004 PU_{79} 2 29.7 190°.71 3°.0/ 3.5 17

1 22	11 15.99	− 2 30.4	2.545	3.265	13.4	22.1
2 1	11 10.92	− 2 51.9	2.440	3.264	11.0	21.9
2 11	11 3.92	− 3 0.3	2.357	3.262	8.2	21.7
2 21	10 55.42	− 2 56.2	2.302	3.259	5.2	21.5
3 2	10 46.10	− 2 41.0	2.275	3.256	3.0	21.4
3 12	10 36.77	− 2 17.8	2.280	3.252	4.3	21.4
3 22	10 28.25	− 1 50.6	2.314	3.248	7.3	21.6
4 1	10 21.22	− 1 23.6	2.376	3.243	10.3	21.8

28647 2000 GW 2 29.7 182°.29 1°.1/ 1.9 17

1 22	11 12.74	+ 1 10.6	2.606	3.349	12.5	20.4
2 1	11 8.32	+ 1 34.6	2.505	3.350	10.0	20.3
2 11	11 2.11	+ 2 11.9	2.428	3.350	7.1	20.1
2 21	10 54.54	+ 3 0.2	2.379	3.350	3.7	19.9
3 2	10 46.23	+ 3 55.6	2.359	3.349	1.1	19.6
3 12	10 37.96	+ 4 53.4	2.371	3.347	3.8	19.9
3 22	10 30.46	+ 5 48.5	2.413	3.344	7.1	20.1
4 1	10 24.35	+ 6 36.7	2.481	3.341	10.2	20.2

23973 1999 CA_4 2 29.7 222°12 2°8/26.8 18

2020	α_{2000} (h m)	δ_{2000} (° ′)	Δ	r	β (°)	V (m)
1 22	11 13.25	+15 22.5	2.481	3.270	11.8	17.9
2 1	11 8.85	+15 55.0	2.388	3.265	9.2	17.7
2 11	11 2.53	+16 32.2	2.320	3.260	6.3	17.5
2 21	10 54.75	+17 9.4	2.280	3.254	3.5	17.3
3 2	10 46.20	+17 41.6	2.269	3.248	3.2	17.3
3 12	10 37.73	+18 4.4	2.288	3.242	5.8	17.4
3 22	10 30.13	+18 14.7	2.335	3.236	8.9	17.6
4 1	10 24.07	+18 11.5	2.407	3.229	11.7	17.8

268524 2005 YO_{220} 2 29.7 22°09 5°9/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.63	+19 29.8	1.688	2.509	15.2	20.0
2 1	11 8.50	+20 44.2	1.620	2.512	11.9	19.8
2 11	11 2.73	+22 3.4	1.574	2.516	8.5	19.6
2 21	10 54.96	+23 18.0	1.554	2.520	6.1	19.4
3 2	10 46.18	+24 18.7	1.561	2.525	6.6	19.5
3 12	10 37.63	+24 58.2	1.594	2.530	9.5	19.7
3 22	10 30.44	+25 13.0	1.651	2.535	12.9	19.9
4 1	10 25.45	+25 3.6	1.729	2.540	16.0	20.1

501438 2014 AO_{19} 2 29.7 15°96 3°6/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.09	− 3 17.8	2.177	2.915	14.8	21.2
2 1	11 7.40	− 3 44.7	2.084	2.917	12.2	21.1
2 11	11 1.68	− 3 56.2	2.012	2.920	9.2	20.9
2 21	10 54.39	− 3 52.5	1.965	2.922	6.0	20.7
3 2	10 46.26	− 3 35.3	1.946	2.925	3.7	20.5
3 12	10 38.19	− 3 8.3	1.955	2.928	4.8	20.6
3 22	10 31.03	− 2 36.1	1.992	2.932	7.9	20.8
4 1	10 25.50	− 2 3.9	2.055	2.935	11.0	21.0

298868 2004 RJ_{328} 2 29.7 153°94 1°7/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 16.26	+ 1 9.4	1.821	2.581	16.6	21.5
2 1	11 11.82	+ 1 13.7	1.734	2.588	13.3	21.3
2 11	11 4.87	+ 1 35.0	1.669	2.594	9.4	21.1
2 21	10 55.96	+ 2 11.0	1.628	2.600	5.1	20.9
3 2	10 46.03	+ 2 57.4	1.616	2.605	1.7	20.6
3 12	10 36.22	+ 3 47.6	1.632	2.609	5.0	20.9
3 22	10 27.62	+ 4 35.4	1.676	2.613	9.3	21.1
4 1	10 21.11	+ 5 15.2	1.745	2.617	13.1	21.4

290392 2005 TL_{16} 2 29.7 221°65 1°8/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.70	− 1 4.3	2.599	3.343	12.5	21.5
2 1	11 4.43	− 0 47.0	2.499	3.342	10.1	21.4
2 11	10 59.49	− 0 15.3	2.422	3.340	7.3	21.2
2 21	10 53.30	+ 0 28.8	2.371	3.338	4.2	21.0
3 2	10 46.42	+ 1 22.1	2.349	3.336	1.8	20.8
3 12	10 39.58	+ 2 20.0	2.357	3.335	3.7	20.9
3 22	10 33.45	+ 3 17.5	2.394	3.333	6.8	21.1
4 1	10 28.61	+ 4 9.9	2.458	3.331	9.8	21.3

140355 2001 TN_{19} 2 29.7 329°74 7°9/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.60	−11 28.8	1.767	2.476	18.8	19.4
2 1	11 9.30	−12 34.1	1.671	2.471	16.3	19.2
2 11	11 3.40	−13 17.5	1.594	2.467	13.3	18.9
2 21	10 55.38	−13 35.6	1.538	2.462	10.3	18.8
3 2	10 46.10	−13 27.0	1.506	2.459	8.2	18.6
3 12	10 36.74	−12 54.3	1.501	2.455	8.3	18.6
3 22	10 28.49	−12 3.4	1.520	2.452	10.5	18.7
4 1	10 22.32	−11 2.9	1.563	2.449	13.6	18.9

379308 2009 VQ_{90} 2 29.7 156°11 2°2/27.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.22	+12 6.7	2.124	2.913	13.6	21.7
2 1	11 9.87	+12 38.2	2.039	2.916	10.6	21.5
2 11	11 3.34	+13 17.5	1.978	2.919	7.1	21.3
2 21	10 55.17	+13 59.7	1.944	2.922	3.5	21.1
3 2	10 46.15	+14 39.1	1.940	2.925	2.6	21.0
3 12	10 37.29	+15 10.3	1.964	2.927	5.8	21.3
3 22	10 29.47	+15 29.5	2.016	2.930	9.4	21.5
4 1	10 23.45	+15 34.7	2.093	2.931	12.6	21.7

372906 2011 AM_{65} 2 29.7 74°99 2°5/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.32	+10 52.9	1.853	2.653	14.8	21.1
2 1	11 7.96	+11 44.8	1.771	2.655	11.5	20.9
2 11	11 2.24	+12 48.1	1.713	2.657	7.7	20.6
2 21	10 54.71	+13 56.6	1.680	2.659	3.8	20.4
3 2	10 46.22	+15 2.9	1.676	2.661	3.0	20.4
3 12	10 37.86	+15 59.3	1.700	2.663	6.6	20.6
3 22	10 30.65	+16 40.5	1.750	2.665	10.5	20.8
4 1	10 25.37	+17 3.8	1.824	2.667	14.0	21.0

359065 2008 YB_{98} 2 29.7 100°50 0°9/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 15.16	+ 7 24.7	1.564	2.359	17.4	21.4
2 1	11 11.34	+ 7 49.2	1.487	2.365	13.7	21.2
2 11	11 4.72	+ 8 28.5	1.431	2.372	9.2	21.0
2 21	10 55.94	+ 9 17.4	1.399	2.379	4.3	20.7
3 2	10 46.04	+10 8.9	1.395	2.385	1.4	20.5
3 12	10 36.36	+10 55.1	1.418	2.391	6.2	20.8
3 22	10 28.12	+11 29.9	1.467	2.398	10.9	21.1
4 1	10 22.23	+11 49.5	1.539	2.404	15.0	21.4

508582 2017 OT_{17} 2 29.7 195°91 2°0/ 3.1 17

2020	α_{2000} (h m)	δ_{2000} (° ′)	Δ	r	β (°)	V (m)
1 22	11 11.03	− 2 14.8	2.720	3.448	12.4	23.3
2 1	11 6.95	− 1 54.4	2.613	3.445	10.1	23.1
2 11	11 1.18	− 1 19.3	2.529	3.441	7.3	22.9
2 21	10 54.11	− 0 31.1	2.472	3.436	4.3	22.7
3 2	10 46.32	+ 0 27.1	2.445	3.431	2.0	22.6
3 12	10 38.53	+ 1 30.5	2.449	3.425	3.7	22.7
3 22	10 31.43	+ 2 34.3	2.483	3.418	6.7	22.9
4 1	10 25.64	+ 3 33.6	2.544	3.411	9.7	23.0

284412 2006 UY_{222} 2 29.7 109°48 0°6/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.15	+ 3 54.9	2.616	3.373	12.1	21.3
2 1	11 6.97	+ 4 5.6	2.531	3.386	9.6	21.1
2 11	11 1.12	+ 4 26.6	2.469	3.398	6.6	20.9
2 21	10 54.03	+ 4 55.7	2.435	3.410	3.3	20.7
3 2	10 46.34	+ 5 29.4	2.431	3.421	0.6	20.5
3 12	10 38.79	+ 6 3.6	2.457	3.433	3.7	20.8
3 22	10 32.03	+ 6 34.6	2.512	3.444	6.9	21.0
4 1	10 26.65	+ 6 59.3	2.594	3.455	9.7	21.2

237073 2008 SE_{258} 2 29.7 148°49 0°1/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 17.55	+ 5 3.0	1.808	2.581	16.2	21.9
2 1	11 12.81	+ 5 22.9	1.726	2.590	12.8	21.7
2 11	11 5.52	+ 5 57.5	1.665	2.599	8.8	21.5
2 21	10 56.27	+ 6 42.9	1.631	2.608	4.2	21.2
3 2	10 46.02	+ 7 33.3	1.624	2.615	0.6	21.0
3 12	10 35.95	+ 8 21.9	1.647	2.622	5.3	21.3
3 22	10 27.15	+ 9 2.9	1.698	2.628	9.7	21.6
4 1	10 20.49	+ 9 32.0	1.773	2.634	13.5	21.8

286056 2001 SK_{282} 2 29.7 176°45 3°0/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 16.25	− 2 45.9	2.003	2.738	16.0	22.7
2 1	11 11.65	− 2 46.4	1.907	2.742	13.1	22.5
2 11	11 4.70	− 2 28.5	1.832	2.744	9.7	22.2
2 21	10 55.89	− 1 53.2	1.783	2.745	5.9	22.0
3 2	10 46.07	− 1 3.8	1.762	2.746	3.0	21.8
3 12	10 36.28	− 0 6.1	1.770	2.746	4.9	21.9
3 22	10 27.56	+ 0 53.6	1.807	2.745	8.7	22.2
4 1	10 20.74	+ 1 48.7	1.870	2.743	12.3	22.4

200471 2000 XW_{21} 2 29.7 170°25 5°1/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.79	− 9 34.6	2.463	3.152	14.5	20.6
2 1	11 9.31	−10 5.0	2.363	3.155	12.3	20.4
2 11	11 2.89	−10 18.2	2.284	3.158	9.8	20.2
2 21	10 54.96	−10 13.3	2.229	3.161	7.2	20.1
3 2	10 46.21	− 9 50.9	2.202	3.163	5.3	20.0
3 12	10 37.47	− 9 14.2	2.204	3.164	5.6	20.0
3 22	10 29.56	− 8 27.8	2.235	3.165	7.7	20.1
4 1	10 23.16	− 7 37.3	2.292	3.165	10.3	20.3

195226 2002 DG_{18} 2 29.7 225°03 0°2/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.04	+ 5 28.2	2.024	2.799	14.6	20.7
2 1	11 9.11	+ 5 38.3	1.931	2.797	11.6	20.5
2 11	11 2.95	+ 6 0.8	1.860	2.795	8.0	20.2
2 21	10 55.05	+ 6 32.8	1.815	2.792	3.9	20.0
3 2	10 46.20	+ 7 9.8	1.799	2.790	0.5	19.7
3 12	10 37.42	+ 7 46.1	1.812	2.787	4.8	20.0
3 22	10 29.66	+ 8 17.0	1.852	2.785	8.9	20.3
4 1	10 23.71	+ 8 38.5	1.918	2.782	12.5	20.5

498021 2007 FS_{19} 2 29.7 223°58 1°7/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.25	− 1 21.9	2.426	3.168	13.4	22.4
2 1	11 6.63	− 0 52.6	2.317	3.158	10.9	22.2
2 11	11 1.13	− 0 6.5	2.229	3.148	7.8	22.0
2 21	10 54.15	+ 0 54.3	2.169	3.137	4.4	21.8
3 2	10 46.33	+ 2 6.0	2.138	3.126	1.7	21.5
3 12	10 38.47	+ 3 22.7	2.137	3.114	4.0	21.7
3 22	10 31.35	+ 4 38.2	2.165	3.101	7.6	21.9
4 1	10 25.66	+ 5 47.0	2.221	3.089	10.9	22.1

210375 2007 VG_{58} 2 29.7 298°76 4°5/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.37	+13 55.0	1.526	2.344	16.6	20.2
2 1	11 8.72	+15 5.6	1.441	2.335	13.0	19.9
2 11	11 3.20	+16 29.0	1.378	2.325	8.9	19.6
2 21	10 55.34	+17 56.7	1.339	2.315	5.2	19.4
3 2	10 46.15	+19 17.9	1.328	2.306	5.2	19.4
3 12	10 36.99	+20 22.3	1.342	2.297	9.0	19.6
3 22	10 29.17	+21 3.3	1.381	2.288	13.4	19.8
4 1	10 23.74	+21 18.6	1.441	2.279	17.3	20.0

282201 2001 UE_{218} 2 29.7 103°74 3°8/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.30	− 7 1.9	2.469	3.182	13.9	20.6
2 1	11 5.74	− 7 8.0	2.376	3.190	11.6	20.4
2 11	11 0.41	− 6 57.0	2.304	3.197	8.9	20.2
2 21	10 53.76	− 6 29.2	2.258	3.205	6.1	20.1
3 2	10 46.41	− 5 46.8	2.239	3.212	4.0	20.0
3 12	10 39.13	− 4 53.8	2.249	3.219	4.6	20.0
3 22	10 32.65	− 3 55.6	2.288	3.226	7.1	20.2
4 1	10 27.59	− 2 57.6	2.354	3.233	9.8	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
52730 1998 HN_4			2 29.7 206°.74	4°.4/25.7 18		
	h m	° ′			°	m
1 22	11 19.38	+16 50.7	2.011	2.803	14.1	20.7
2 1	11 14.27	+17 53.8	1.919	2.796	11.1	20.4
2 11	11 6.59	+19 4.0	1.850	2.788	7.7	20.2
2 21	10 56.84	+20 13.6	1.809	2.779	4.9	20.0
3 2	10 45.95	+21 14.5	1.797	2.769	5.0	20.0
3 12	10 35.07	+21 59.3	1.815	2.758	8.0	20.2
3 22	10 25.36	+22 24.0	1.860	2.746	11.6	20.3
4 1	10 17.72	+22 27.6	1.928	2.732	14.8	20.5
9056 Piskunov			2 29.7 36°.36	1°.4/ 2.0 18		
1 22	11 10.31	+ 1 27.9	1.915	2.685	15.5	17.8
2 1	11 7.07	+ 1 41.2	1.827	2.687	12.5	17.6
2 11	11 1.60	+ 2 11.0	1.761	2.690	8.8	17.4
2 21	10 54.41	+ 2 54.8	1.720	2.693	4.7	17.1
3 2	10 46.31	+ 3 48.1	1.706	2.696	1.4	16.9
3 12	10 38.30	+ 4 44.3	1.721	2.699	4.7	17.1
3 22	10 31.34	+ 5 37.2	1.764	2.703	8.7	17.4
4 1	10 26.20	+ 6 21.5	1.831	2.706	12.4	17.6
433206 2012 UG_{77}			2 29.7 199°.33	3°.9/ 5.6 18		
1 22	11 9.51	− 8 31.0	2.880	3.573	12.5	21.6
2 1	11 5.71	− 8 37.3	2.771	3.570	10.5	21.4
2 11	11 0.31	− 8 28.0	2.684	3.566	8.2	21.3
2 21	10 53.70	− 8 3.1	2.623	3.562	5.8	21.1
3 2	10 46.42	− 7 24.2	2.590	3.558	4.0	21.0
3 12	10 39.13	− 6 34.4	2.587	3.553	4.4	21.0
3 22	10 32.48	− 5 38.2	2.613	3.548	6.5	21.1
4 1	10 27.05	− 4 40.5	2.667	3.543	9.0	21.3
69645 1998 FM_{79}			2 29.7 306°.07	6°.6/25.1 17		
1 22	11 15.64	+19 58.0	1.434	2.258	17.2	19.2
2 1	11 12.52	+20 50.9	1.344	2.237	13.7	18.9
2 11	11 6.07	+21 49.7	1.274	2.217	9.9	18.6
2 21	10 56.84	+22 44.7	1.229	2.197	6.9	18.4
3 2	10 45.94	+23 24.8	1.209	2.178	7.3	18.3
3 12	10 35.00	+23 41.0	1.213	2.159	10.9	18.5
3 22	10 25.59	+23 29.2	1.241	2.140	15.2	18.7
4 1	10 18.97	+22 50.1	1.289	2.122	19.2	18.9
392986 2012 XM_{63}			2 29.7 1°.10	5°.5/23.1 18		
1 22	11 8.80	+21 22.5	2.243	3.055	12.2	20.8
2 1	11 5.70	+22 45.5	2.168	3.055	9.6	20.6
2 11	11 0.57	+24 11.2	2.119	3.054	7.1	20.5
2 21	10 53.90	+25 32.1	2.096	3.054	5.5	20.4
3 2	10 46.42	+26 40.6	2.103	3.055	6.2	20.4
3 12	10 39.05	+27 30.8	2.136	3.055	8.5	20.6
3 22	10 32.63	+27 59.6	2.195	3.056	11.1	20.7
4 1	10 27.87	+28 6.7	2.276	3.057	13.6	20.9
16509 1990 UE_4			2 29.7 67°.52	1°.4/28.3 18		
1 22	11 9.49	+ 8 32.4	2.196	2.984	13.2	18.3
2 1	11 6.03	+ 9 19.3	2.123	2.998	10.3	18.1
2 11	11 0.66	+10 16.8	2.073	3.014	6.8	17.9
2 21	10 53.88	+11 20.0	2.049	3.029	3.2	17.7
3 2	10 46.43	+12 22.9	2.056	3.044	1.7	17.6
3 12	10 39.16	+13 19.5	2.091	3.059	5.1	17.9
3 22	10 32.85	+14 5.1	2.154	3.074	8.5	18.1
4 1	10 28.12	+14 36.9	2.243	3.089	11.6	18.3
37369 2001 *VV*			2 29.7 108°.76	8°.3/21.6 18		
1 22	11 17.02	+28 0.2	1.875	2.684	14.3	18.8
2 1	11 12.54	+29 31.4	1.818	2.695	11.7	18.7
2 11	11 5.37	+30 58.9	1.786	2.705	9.4	18.5
2 21	10 56.20	+32 12.7	1.779	2.715	8.3	18.5
3 2	10 46.10	+33 3.7	1.799	2.725	9.1	18.6
3 12	10 36.34	+33 26.7	1.844	2.735	11.3	18.7
3 22	10 28.05	+33 21.1	1.913	2.744	13.8	18.9
4 1	10 22.07	+32 49.7	2.002	2.753	16.1	19.1
144769 Zachariassen			2 29.7 243°.06	0°.1/29.6 17		
1 22	11 9.45	+ 5 34.8	2.437	3.208	12.5	20.8
2 1	11 5.94	+ 6 0.0	2.339	3.204	9.9	20.6
2 11	11 0.61	+ 6 36.5	2.266	3.201	6.7	20.4
2 21	10 53.90	+ 7 21.2	2.219	3.197	3.2	20.2
3 2	10 46.44	+ 8 9.8	2.202	3.192	0.5	19.9
3 12	10 39.01	+ 8 57.1	2.214	3.188	4.2	20.2
3 22	10 32.37	+ 9 38.7	2.255	3.184	7.7	20.4
4 1	10 27.17	+10 11.0	2.322	3.180	10.8	20.6
259092 2002 VX_{102}			2 29.7 109°.45	2°.8/ 3.3 18		
1 22	11 14.69	− 2 6.0	1.939	2.684	16.2	20.5
2 1	11 10.36	− 2 9.8	1.859	2.699	13.2	20.3
2 11	11 3.75	− 1 55.6	1.800	2.714	9.6	20.1
2 21	10 55.42	− 1 25.0	1.765	2.729	5.7	19.9
3 2	10 46.23	− 0 41.5	1.759	2.743	2.9	19.7
3 12	10 37.23	+ 0 9.3	1.781	2.757	4.8	19.9
3 22	10 29.38	+ 1 1.0	1.832	2.771	8.5	20.1
4 1	10 23.44	+ 1 47.9	1.907	2.784	11.9	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
20132 1996 BK_{13}			2 29.7 97°.50	5°.0/24.6 18		
	h m	° ′			°	m
1 22	11 15.20	+19 54.3	2.152	2.953	13.0	19.3
2 1	11 10.51	+21 6.0	2.095	2.976	10.1	19.1
2 11	11 3.68	+22 19.7	2.062	2.998	7.2	19.0
2 21	10 55.31	+23 28.0	2.057	3.021	5.1	18.9
3 2	10 46.26	+24 23.7	2.082	3.042	5.5	19.0
3 12	10 37.53	+25 1.7	2.134	3.064	7.9	19.1
3 22	10 29.98	+25 19.7	2.213	3.085	10.6	19.3
4 1	10 24.28	+25 18.2	2.315	3.105	13.1	19.5
174527 2003 EZ_6			2 29.8 294°.16	1°.6/ 2.2 18		
1 22	11 12.74	+ 2 25.6	2.345	3.100	13.4	20.3
2 1	11 8.63	+ 2 9.1	2.238	3.089	10.8	20.1
2 11	11 2.53	+ 2 3.6	2.155	3.078	7.7	19.9
2 21	10 54.86	+ 2 8.0	2.097	3.068	4.3	19.6
3 2	10 46.31	+ 2 19.9	2.069	3.058	1.6	19.4
3 12	10 37.73	+ 2 35.9	2.070	3.047	4.2	19.6
3 22	10 29.97	+ 2 52.0	2.100	3.037	7.7	19.8
4 1	10 23.75	+ 3 4.9	2.156	3.027	11.0	20.0
431328 2006 WM_{199}			2 29.8 180°.18	2°.9/26.1 18		
1 22	11 10.09	+15 45.7	2.779	3.571	10.7	21.3
2 1	11 6.20	+16 34.8	2.693	3.571	8.2	21.1
2 11	11 0.65	+17 28.4	2.632	3.572	5.6	20.9
2 21	10 53.87	+18 21.8	2.599	3.572	3.3	20.8
3 2	10 46.46	+19 10.2	2.596	3.572	3.3	20.8
3 12	10 39.13	+19 48.9	2.624	3.571	5.6	20.9
3 22	10 32.55	+20 15.2	2.679	3.571	8.2	21.1
4 1	10 27.29	+20 27.5	2.759	3.570	10.7	21.2
294877 2008 CB_{209}			2 29.8 49°.80	0°.8/ 1.8 17		
1 22	11 6.24	− 1 1.5	2.247	3.003	13.9	19.8
2 1	11 3.53	+ 0 5.1	2.161	3.014	11.1	19.7
2 11	10 59.01	+ 1 30.7	2.098	3.025	7.7	19.5
2 21	10 53.14	+ 3 11.3	2.063	3.036	4.0	19.2
3 2	10 46.58	+ 5 0.3	2.057	3.047	0.8	19.0
3 12	10 40.14	+ 6 50.0	2.082	3.059	4.1	19.3
3 22	10 34.54	+ 8 32.6	2.136	3.071	7.7	19.5
4 1	10 30.40	+10 2.2	2.217	3.082	11.0	19.8
357967 2006 BT_{67}			2 29.8 262°.53	1°.3/ 1.6 18		
1 22	11 16.32	+ 3 52.6	1.575	2.356	17.9	20.8
2 1	11 12.53	+ 3 42.9	1.479	2.346	14.4	20.5
2 11	11 5.80	+ 3 49.0	1.403	2.337	10.2	20.2
2 21	10 56.65	+ 4 8.7	1.351	2.327	5.3	19.9
3 2	10 46.07	+ 4 37.9	1.326	2.317	1.3	19.6
3 12	10 35.43	+ 5 10.0	1.329	2.306	5.8	19.9
3 22	10 26.09	+ 5 38.9	1.357	2.296	10.8	20.1
4 1	10 19.15	+ 5 59.0	1.409	2.286	15.3	20.4
502357 2015 BT_{215}			2 29.8 117°.59	3°.5/26.3 17		
1 22	11 12.65	+14 39.6	1.998	2.799	13.9	21.6
2 1	11 8.84	+15 36.2	1.921	2.805	10.8	21.4
2 11	11 2.76	+16 40.1	1.867	2.810	7.3	21.2
2 21	10 54.99	+17 44.9	1.841	2.815	4.2	21.0
3 2	10 46.34	+18 43.2	1.843	2.821	4.0	21.0
3 12	10 37.87	+19 28.4	1.873	2.826	7.0	21.2
3 22	10 30.50	+19 56.6	1.930	2.830	10.5	21.5
4 1	10 25.01	+20 6.4	2.010	2.835	13.6	21.7
74482 1999 CO_{92}			2 29.8 28°.83	2°.9/27.5 18		
1 22	11 16.60	+15 34.5	1.975	2.771	14.2	18.9
2 1	11 11.88	+15 46.5	1.895	2.775	11.1	18.7
2 11	11 4.80	+16 2.7	1.839	2.780	7.5	18.5
2 21	10 55.94	+16 18.0	1.808	2.784	4.0	18.3
3 2	10 46.21	+16 27.3	1.807	2.789	3.3	18.2
3 12	10 36.72	+16 26.0	1.834	2.794	6.4	18.4
3 22	10 28.46	+16 12.1	1.888	2.800	10.0	18.7
4 1	10 22.20	+15 45.1	1.966	2.805	13.3	18.9
14697 Ronsawyer			2 29.8 194°.47	0°.3/ 1.0 18		
1 22	11 15.75	+ 3 57.5	1.711	2.487	16.9	19.5
2 1	11 11.74	+ 4 19.9	1.620	2.486	13.4	19.3
2 11	11 5.04	+ 4 59.6	1.549	2.484	9.3	19.0
2 21	10 56.20	+ 5 52.9	1.504	2.481	4.6	18.8
3 2	10 46.16	+ 6 53.8	1.487	2.478	0.6	18.4
3 12	10 36.16	+ 7 54.4	1.498	2.474	5.6	18.8
3 22	10 27.39	+ 8 47.6	1.536	2.470	10.3	19.1
4 1	10 20.81	+ 9 27.9	1.599	2.465	14.4	19.3
519341 2011 GX_{89}			2 29.8 4°.85	1°.8/ 2.5 17		
1 22	11 10.52	+ 0 15.9	1.999	2.761	15.3	22.2
2 1	11 7.19	+ 0 24.2	1.907	2.761	12.3	21.9
2 11	11 1.69	+ 0 49.2	1.836	2.761	8.8	21.7
2 21	10 54.51	+ 1 28.8	1.790	2.761	4.9	21.5
3 2	10 46.41	+ 2 19.0	1.773	2.761	1.8	21.3
3 12	10 38.37	+ 3 13.8	1.783	2.761	4.5	21.5
3 22	10 31.31	+ 4 7.2	1.822	2.761	8.5	21.7
4 1	10 26.00	+ 4 53.6	1.885	2.762	12.1	21.9

192948 2000 *BA* 2 29.8 89.°85 0.°9/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 15.05	+ 5 36.8	1.416	2.213	18.8	20.6
2 1	11 11.44	+ 6 22.5	1.350	2.229	14.7	20.4
2 11	11 4.88	+ 7 27.2	1.304	2.245	9.9	20.2
2 21	10 56.08	+ 8 44.4	1.282	2.261	4.6	19.9
3 2	10 46.20	+10 4.9	1.287	2.277	1.4	19.7
3 12	10 36.65	+11 18.4	1.319	2.292	6.5	20.1
3 22	10 28.71	+12 17.1	1.376	2.307	11.4	20.4
4 1	10 23.29	+12 56.5	1.456	2.322	15.6	20.7

85418 1996 *XQ*$_{14}$ 2 29.8 30.°88 3.°2/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.52	+14 29.2	2.160	2.963	12.9	19.8
2 1	11 6.24	+15 24.2	2.081	2.966	10.0	19.6
2 11	11 0.92	+16 26.2	2.027	2.970	6.8	19.4
2 21	10 54.09	+17 29.2	1.999	2.974	3.9	19.2
3 2	10 46.48	+18 26.6	2.000	2.978	3.7	19.2
3 12	10 39.01	+19 12.3	2.030	2.983	6.6	19.4
3 22	10 32.51	+19 42.7	2.086	2.988	9.8	19.6
4 1	10 27.67	+19 56.0	2.167	2.992	12.7	19.8

466610 2014 *UB*$_{217}$ 2 29.8 172.°17 4.°1/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.05	+14 32.3	1.944	2.748	14.1	20.7
2 1	11 8.53	+15 57.5	1.865	2.750	10.9	20.5
2 11	11 2.66	+17 32.5	1.809	2.752	7.5	20.3
2 21	10 54.99	+19 9.1	1.780	2.753	4.6	20.1
3 2	10 46.35	+20 38.3	1.781	2.754	4.8	20.2
3 12	10 37.81	+21 51.7	1.809	2.755	7.9	20.3
3 22	10 30.36	+22 44.3	1.865	2.755	11.3	20.6
4 1	10 24.83	+23 14.1	1.943	2.755	14.5	20.8

465757 2009 *WG*$_{70}$ 2 29.8 173.°60 2.°3/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.54	− 0 52.5	2.113	2.861	14.9	21.8
2 1	11 8.65	− 0 54.3	2.018	2.862	12.1	21.6
2 11	11 2.62	− 0 40.3	1.945	2.863	8.8	21.4
2 21	10 54.94	− 0 11.7	1.898	2.864	5.1	21.2
3 2	10 46.36	+ 0 28.2	1.878	2.865	2.4	21.0
3 12	10 37.84	+ 1 14.4	1.888	2.865	4.5	21.2
3 22	10 30.27	+ 2 1.2	1.926	2.865	8.1	21.4
4 1	10 24.40	+ 2 43.5	1.990	2.865	11.6	21.6

8682 Kräklingbo 2 29.8 228.°52 0.°1/29.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.59	+ 5 44.0	2.752	3.517	11.4	18.5
2 1	11 5.86	+ 6 10.1	2.647	3.509	9.0	18.3
2 11	11 0.49	+ 6 46.3	2.567	3.500	6.1	18.1
2 21	10 53.85	+ 7 29.8	2.514	3.491	2.9	17.9
3 2	10 46.52	+ 8 16.7	2.492	3.482	0.5	17.7
3 12	10 39.19	+ 9 2.6	2.499	3.473	3.9	18.0
3 22	10 32.53	+ 9 43.5	2.537	3.463	7.1	18.1
4 1	10 27.14	+10 16.0	2.600	3.453	10.0	18.3

249587 1995 *WA*$_{23}$ 2 29.8 264.°22 3.°1/ 3.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.46	− 2 45.1	1.749	2.505	17.3	21.2
2 1	11 8.41	− 2 44.6	1.648	2.495	14.2	21.0
2 11	11 2.83	− 2 22.9	1.567	2.485	10.5	20.7
2 21	10 55.19	− 1 40.7	1.510	2.475	6.4	20.5
3 2	10 46.33	− 0 41.5	1.480	2.465	3.2	20.2
3 12	10 37.39	+ 0 28.1	1.477	2.455	5.3	20.3
3 22	10 29.51	+ 1 39.8	1.501	2.445	9.6	20.6
4 1	10 23.67	+ 2 45.9	1.550	2.434	13.7	20.8

33410 1999 *CX*$_{85}$ 2 29.8 201.°40 2.°3/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 17.69	+ 0 22.9	1.926	2.675	16.1	18.8
2 1	11 12.99	+ 0 13.3	1.826	2.672	13.1	18.6
2 11	11 5.77	+ 0 19.6	1.747	2.667	9.5	18.4
2 21	10 56.54	+ 0 40.4	1.694	2.662	5.4	18.1
3 2	10 46.15	+ 1 12.8	1.669	2.656	2.3	17.9
3 12	10 35.75	+ 1 51.4	1.673	2.650	5.0	18.1
3 22	10 26.43	+ 2 30.6	1.706	2.643	9.2	18.3
4 1	10 19.11	+ 3 4.8	1.764	2.635	13.0	18.5

17391 1981 *EK*$_{39}$ 2 29.8 109.°24 0.°7/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.82	+ 2 25.8	1.679	2.453	17.2	19.2
2 1	11 10.82	+ 2 56.4	1.605	2.469	13.7	19.0
2 11	11 4.26	+ 3 45.6	1.552	2.484	9.4	18.8
2 21	10 55.75	+ 4 49.3	1.524	2.499	4.7	18.5
3 2	10 46.28	+ 6 0.6	1.523	2.514	0.7	18.2
3 12	10 37.07	+ 7 11.4	1.551	2.528	5.3	18.6
3 22	10 29.18	+ 8 14.0	1.606	2.542	9.8	18.9
4 1	10 23.47	+ 9 3.3	1.686	2.555	13.7	19.2

234133 2000 *CQ*$_{139}$ 2 29.8 172.°30 1.°8/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 15.86	+ 8 19.2	1.835	2.620	15.6	22.0
2 1	11 11.60	+ 9 16.4	1.750	2.624	12.2	21.7
2 11	11 4.81	+10 28.1	1.687	2.628	8.2	21.5
2 21	10 56.05	+11 48.1	1.651	2.630	3.9	21.2
3 2	10 46.24	+13 8.5	1.644	2.632	2.3	21.1
3 12	10 36.53	+14 20.6	1.666	2.633	6.3	21.4
3 22	10 28.01	+15 18.0	1.716	2.633	10.5	21.6
4 1	10 21.57	+15 57.0	1.790	2.632	14.2	21.9

278729 2008 *SJ*$_{70}$ 2 29.8 313.°84 1.°4/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 11.06	+ 8 55.8	2.011	2.802	14.2	21.3
2 1	11 7.62	+ 9 31.2	1.923	2.800	11.1	21.0
2 11	11 1.99	+10 18.0	1.858	2.799	7.4	20.8
2 21	10 54.67	+11 11.6	1.819	2.798	3.5	20.6
3 2	10 46.44	+12 5.8	1.808	2.797	1.8	20.4
3 12	10 38.30	+12 54.3	1.826	2.796	5.6	20.7
3 22	10 31.17	+13 31.9	1.872	2.795	9.4	20.9
4 1	10 25.82	+13 55.4	1.941	2.793	12.9	21.1

63841 2001 *RX*$_{76}$ 2 29.8 104.°67 0.°6/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.36	+ 5 53.2	1.960	2.740	14.9	19.6
2 1	11 8.55	+ 6 35.6	1.883	2.753	11.6	19.4
2 11	11 2.55	+ 7 32.1	1.829	2.767	7.8	19.2
2 21	10 54.89	+ 8 37.7	1.802	2.780	3.6	18.9
3 2	10 46.43	+ 9 46.1	1.803	2.793	1.0	18.8
3 12	10 38.16	+10 50.1	1.833	2.806	5.2	19.1
3 22	10 30.99	+11 43.8	1.891	2.818	9.1	19.3
4 1	10 25.65	+12 23.5	1.974	2.830	12.5	19.6

143437 2003 *BY*$_{66}$ 2 29.8 20.°88 2.°5/ 3.1 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.12	− 0 30.0	2.332	3.076	13.8	20.1
2 1	11 8.11	− 0 47.7	2.236	3.076	11.2	19.9
2 11	11 2.14	− 0 52.4	2.162	3.077	8.2	19.7
2 21	10 54.70	− 0 44.8	2.114	3.078	4.9	19.5
3 2	10 46.45	− 0 27.2	2.094	3.079	2.5	19.3
3 12	10 38.26	− 0 3.1	2.104	3.080	4.2	19.4
3 22	10 30.92	+ 0 23.1	2.142	3.081	7.5	19.6
4 1	10 25.12	+ 0 47.4	2.207	3.082	10.6	19.8

362679 2011 *UT*$_{84}$ 2 29.8 166.°91 3.°1/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 17.88	+13 30.0	1.818	2.613	15.3	21.5
2 1	11 13.19	+14 9.8	1.737	2.617	11.9	21.3
2 11	11 5.88	+14 58.0	1.678	2.620	8.1	21.1
2 21	10 56.56	+15 48.2	1.646	2.623	4.3	20.9
3 2	10 46.20	+16 33.1	1.642	2.625	3.6	20.8
3 12	10 36.01	+17 6.0	1.667	2.626	7.1	21.0
3 22	10 27.13	+17 22.8	1.718	2.628	11.0	21.3
4 1	10 20.44	+17 22.2	1.793	2.628	14.5	21.5

122597 2000 *RR*$_{35}$ 2 29.8 157.°34 0.°1/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.07	+ 5 23.2	2.307	3.071	13.4	20.9
2 1	11 9.59	+ 5 40.2	2.217	3.077	10.6	20.7
2 11	11 3.12	+ 6 8.4	2.151	3.083	7.2	20.5
2 21	10 55.15	+ 6 44.9	2.111	3.088	3.5	20.3
3 2	10 46.40	+ 7 25.3	2.102	3.092	0.5	20.1
3 12	10 37.76	+ 8 4.6	2.122	3.097	4.3	20.4
3 22	10 30.05	+ 8 38.5	2.171	3.100	8.0	20.6
4 1	10 23.95	+ 9 3.6	2.247	3.104	11.2	20.8

403952 2012 *BA*$_{45}$ 2 29.8 147.°99 0.°9/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 15.60	+ 7 18.5	2.118	2.891	14.1	22.2
2 1	11 10.94	+ 7 55.9	2.036	2.902	11.1	22.0
2 11	11 4.11	+ 8 45.2	1.976	2.913	7.4	21.8
2 21	10 55.64	+ 9 41.9	1.944	2.922	3.5	21.6
3 2	10 46.34	+10 39.9	1.942	2.931	1.3	21.5
3 12	10 37.21	+11 33.2	1.969	2.939	5.1	21.7
3 22	10 29.14	+12 16.6	2.025	2.947	8.9	22.0
4 1	10 22.86	+12 46.9	2.107	2.953	12.2	22.2

72527 2001 *DK*$_{94}$ 2 29.8 52.°15 3.°1/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.63	− 0 23.8	1.517	2.289	18.9	19.5
2 1	11 11.06	− 0 45.2	1.439	2.296	15.3	19.2
2 11	11 4.66	− 0 47.2	1.380	2.304	11.1	19.0
2 21	10 56.05	− 0 30.8	1.344	2.312	6.5	18.8
3 2	10 46.28	+ 0 0.6	1.334	2.321	3.1	18.6
3 12	10 36.69	+ 0 40.6	1.351	2.329	5.7	18.7
3 22	10 28.53	+ 1 22.0	1.394	2.338	10.1	19.0
4 1	10 22.74	+ 1 58.2	1.460	2.347	14.3	19.3

489470 2007 *DK*$_{71}$ 2 29.8 265.°29 1.°6/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 15.45	+ 8 46.0	1.497	2.298	17.7	22.1
2 1	11 12.09	+ 9 13.4	1.403	2.285	14.1	21.8
2 11	11 5.66	+ 9 56.0	1.329	2.272	9.6	21.5
2 21	10 56.69	+10 48.8	1.278	2.258	4.5	21.2
3 2	10 46.18	+11 44.1	1.255	2.244	2.1	21.0
3 12	10 35.58	+12 32.7	1.258	2.230	7.1	21.3
3 22	10 26.33	+13 7.6	1.287	2.216	12.3	21.5
4 1	10 19.59	+13 24.6	1.337	2.201	16.8	21.7

276922 2004 *TQ*$_{109}$ 2 29.8 87.°89 2.°8/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.37	+13 13.1	2.035	2.829	13.9	21.0
2 1	11 9.97	+14 0.7	1.970	2.850	10.7	20.8
2 11	11 3.40	+14 55.4	1.929	2.870	7.2	20.6
2 21	10 55.26	+15 51.2	1.914	2.891	3.8	20.5
3 2	10 46.41	+16 41.7	1.929	2.911	3.2	20.5
3 12	10 37.86	+17 21.0	1.972	2.930	6.3	20.7
3 22	10 30.47	+17 45.6	2.043	2.950	9.7	20.9
4 1	10 24.94	+17 54.3	2.138	2.969	12.7	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
313078 2000 SJ_{366}			2 29.8 352.°31 15.°2/24.9 17			
	h m	° ′			°	m
1 22	11 42.71	+36 49.3	1.026	1.834	23.7	19.8
2 1	11 35.52	+37 39.5	0.968	1.833	20.4	19.6
2 11	11 22.45	+38 11.3	0.926	1.831	17.3	19.4
2 21	11 4.76	+38 4.7	0.904	1.831	15.4	19.2
3 2	10 45.12	+37 3.9	0.903	1.830	15.7	19.2
3 12	10 26.91	+35 6.3	0.924	1.830	18.1	19.4
3 22	10 12.70	+32 23.7	0.967	1.830	21.6	19.6
4 1	10 3.74	+29 13.2	1.027	1.831	25.0	19.8
499463 2010 FB_{1}			2 29.8 89.°46 1.°3/28.6 17			
1 22	11 13.80	+10 12.0	2.192	2.976	13.4	21.2
2 1	11 9.48	+10 27.6	2.109	2.982	10.5	21.1
2 11	11 3.09	+10 51.2	2.048	2.988	7.0	20.9
2 21	10 55.15	+11 19.0	2.015	2.994	3.3	20.6
3 2	10 46.44	+11 46.3	2.011	3.000	1.6	20.5
3 12	10 37.89	+12 8.3	2.036	3.005	5.0	20.8
3 22	10 30.34	+12 21.8	2.089	3.011	8.6	21.0
4 1	10 24.50	+12 24.4	2.168	3.017	11.8	21.2
452345 2001 SU_{202}			2 29.8 117.°18 0.°4/29.4 18			
1 22	11 17.82	+ 5 22.0	1.811	2.583	16.2	22.8
2 1	11 12.92	+ 5 58.9	1.740	2.605	12.7	22.6
2 11	11 5.54	+ 6 50.7	1.691	2.626	8.6	22.4
2 21	10 56.34	+ 7 52.4	1.669	2.647	4.0	22.2
3 2	10 46.28	+ 8 57.1	1.675	2.666	0.8	22.0
3 12	10 36.53	+ 9 57.5	1.711	2.684	5.4	22.4
3 22	10 28.11	+10 47.6	1.775	2.702	9.6	22.6
4 1	10 21.80	+11 23.4	1.864	2.719	13.2	22.9
500500 2012 TJ_{276}			2 29.8 178.°64 1.°2/ 2.1 17			
1 22	11 11.18	+ 1 40.1	2.708	3.454	12.0	22.0
2 1	11 7.08	+ 1 49.6	2.609	3.455	9.6	21.8
2 11	11 1.31	+ 2 10.8	2.533	3.456	6.8	21.6
2 21	10 54.28	+ 2 41.6	2.485	3.456	3.7	21.4
3 2	10 46.57	+ 3 19.0	2.467	3.456	1.2	21.2
3 12	10 38.91	+ 3 59.0	2.479	3.456	3.6	21.4
3 22	10 31.98	+ 4 37.6	2.521	3.455	6.7	21.6
4 1	10 26.35	+ 5 11.1	2.590	3.454	9.6	21.8
285365 1999 TR_{64}			2 29.8 56.°55 0.°2/29.7 18			
1 22	11 15.24	+ 6 3.0	1.419	2.217	18.7	20.8
2 1	11 11.55	+ 6 17.2	1.355	2.234	14.7	20.6
2 11	11 4.93	+ 6 47.7	1.312	2.252	10.0	20.4
2 21	10 56.14	+ 7 29.6	1.291	2.270	4.7	20.1
3 2	10 46.32	+ 8 15.8	1.298	2.288	0.8	19.9
3 12	10 36.89	+ 8 58.4	1.331	2.307	6.0	20.3
3 22	10 29.08	+ 9 31.2	1.389	2.326	10.9	20.6
4 1	10 23.77	+ 9 50.0	1.470	2.344	15.0	20.9
230448 2002 QB_{117}			2 29.8 352.°21 1.°2/ 1.9 18			
1 22	11 2.34	+ 0 13.7	1.410	2.211	18.6	19.3
2 1	11 1.73	+ 0 48.2	1.323	2.202	15.0	19.1
2 11	10 58.52	+ 1 48.6	1.256	2.194	10.6	18.8
2 21	10 53.22	+ 3 11.6	1.212	2.188	5.6	18.5
3 2	10 46.73	+ 4 49.8	1.192	2.183	1.2	18.2
3 12	10 40.27	+ 6 32.0	1.199	2.179	5.7	18.4
3 22	10 35.02	+ 8 6.8	1.230	2.177	10.8	18.7
4 1	10 31.96	+ 9 25.1	1.283	2.177	15.4	19.0
52487 1995 XO_{2}			2 29.8 126.°36 2.°9/27.2 18			
1 22	11 18.03	+11 33.8	1.782	2.573	15.7	19.6
2 1	11 13.21	+12 35.5	1.713	2.591	12.2	19.4
2 11	11 5.82	+13 47.9	1.667	2.609	8.1	19.2
2 21	10 56.51	+15 3.8	1.648	2.625	4.2	19.0
3 2	10 46.30	+16 14.5	1.658	2.641	3.4	18.9
3 12	10 36.37	+17 12.4	1.697	2.656	7.0	19.2
3 22	10 27.83	+17 52.5	1.762	2.670	10.9	19.4
4 1	10 21.48	+18 13.2	1.851	2.683	14.3	19.7
125201 2001 UP_{140}			2 29.8 310.°08 0.°5/29.4 18			
1 22	11 12.47	+ 5 30.1	1.428	2.229	18.5	19.9
2 1	11 9.71	+ 5 59.0	1.344	2.225	14.6	19.6
2 11	11 3.98	+ 6 47.0	1.280	2.221	10.0	19.3
2 21	10 55.85	+ 7 49.6	1.239	2.218	4.8	19.0
3 2	10 46.37	+ 8 58.6	1.224	2.214	1.0	18.7
3 12	10 36.94	+10 4.6	1.235	2.211	6.5	19.1
3 22	10 28.93	+10 59.0	1.272	2.208	11.7	19.4
4 1	10 23.40	+11 36.1	1.331	2.205	16.2	19.6
305545 2008 SO_{73}			2 29.8 219.°19 1.°7/ 1.9 18			
1 22	11 17.63	+ 2 26.2	1.665	2.434	17.5	21.5
2 1	11 13.40	+ 2 18.8	1.569	2.428	14.2	21.2
2 11	11 6.33	+ 2 27.8	1.493	2.422	10.1	20.9
2 21	10 56.95	+ 2 51.4	1.442	2.415	5.4	20.7
3 2	10 46.22	+ 3 25.7	1.418	2.408	1.7	20.4
3 12	10 35.46	+ 4 4.4	1.422	2.400	5.5	20.6
3 22	10 25.95	+ 4 41.0	1.453	2.392	10.3	20.9
4 1	10 18.74	+ 5 9.8	1.508	2.383	14.6	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
141125 2001 XJ_{83}			2 29.8 192.°77 4.°8/ 7.4 18			
	h m	° ′			°	m
1 22	11 9.53	−13 27.9	3.211	3.864	12.0	21.0
2 1	11 5.63	−13 40.2	3.100	3.862	10.3	20.9
2 11	11 0.26	−13 36.6	3.009	3.859	8.4	20.7
2 21	10 53.78	−13 16.6	2.944	3.856	6.5	20.6
3 2	10 46.68	−12 40.8	2.906	3.852	5.0	20.5
3 12	10 39.57	−11 51.9	2.897	3.848	5.0	20.5
3 22	10 33.03	−10 53.6	2.918	3.843	6.3	20.5
4 1	10 27.59	− 9 50.7	2.967	3.838	8.3	20.7
501577 2014 OG_{296}			2 29.8 251.°98 1.°1/28.9 17			
1 22	11 13.61	+ 6 37.0	1.779	2.566	15.9	22.2
2 1	11 10.17	+ 7 18.9	1.676	2.550	12.6	21.9
2 11	11 4.12	+ 8 17.4	1.594	2.533	8.6	21.6
2 21	10 55.90	+ 9 28.1	1.537	2.516	4.1	21.3
3 2	10 46.36	+10 43.9	1.508	2.498	1.5	21.1
3 12	10 36.69	+11 55.9	1.508	2.480	6.2	21.3
3 22	10 28.07	+12 56.6	1.535	2.461	10.9	21.6
4 1	10 21.51	+13 40.7	1.586	2.442	15.0	21.8
419203 2009 UN_{90}			2 29.8 205.°80 6.°5/22.5 17			
1 22	11 16.19	+25 26.8	2.283	3.083	12.4	21.4
2 1	11 11.58	+26 45.5	2.203	3.078	10.0	21.2
2 11	11 4.68	+28 3.9	2.149	3.072	7.8	21.1
2 21	10 55.99	+29 14.1	2.121	3.066	6.6	21.0
3 2	10 46.37	+30 8.4	2.123	3.060	7.3	21.0
3 12	10 36.84	+30 41.2	2.151	3.052	9.4	21.1
3 22	10 28.38	+30 50.4	2.205	3.045	11.9	21.3
4 1	10 21.79	+30 36.9	2.281	3.037	14.3	21.4
330467 2007 EL_{183}			2 29.8 224.°82 1.°2/28.6 17			
1 22	11 12.04	+ 8 8.2	2.193	2.974	13.5	21.9
2 1	11 8.28	+ 8 48.3	2.095	2.967	10.6	21.6
2 11	11 2.43	+ 9 40.2	2.020	2.959	7.1	21.4
2 21	10 54.93	+10 39.5	1.972	2.951	3.3	21.2
3 2	10 46.52	+11 40.6	1.953	2.942	1.6	21.0
3 12	10 38.10	+12 37.0	1.964	2.933	5.2	21.2
3 22	10 30.58	+13 23.4	2.003	2.924	9.0	21.4
4 1	10 24.71	+13 56.4	2.067	2.914	12.4	21.6
186218 2001 WP_{60}			2 29.8 195.°70 0.°1/29.8 17			
1 22	11 13.03	+ 5 11.5	2.081	2.853	14.4	21.2
2 1	11 9.11	+ 5 34.6	1.987	2.852	11.4	21.0
2 11	11 3.01	+ 6 10.9	1.916	2.850	7.8	20.7
2 21	10 55.21	+ 6 57.2	1.871	2.848	3.8	20.5
3 2	10 46.48	+ 7 48.3	1.855	2.846	0.5	20.2
3 12	10 37.81	+ 8 38.2	1.868	2.843	4.8	20.5
3 22	10 30.11	+ 9 21.6	1.909	2.840	8.8	20.8
4 1	10 24.16	+ 9 54.2	1.976	2.836	12.3	21.0
124522 2001 RN_{77}			2 29.8 148.°86 0.°4/29.4 18			
1 22	11 15.11	+ 4 46.5	1.853	2.628	15.8	20.3
2 1	11 10.93	+ 5 32.3	1.771	2.638	12.5	20.1
2 11	11 4.32	+ 6 34.4	1.711	2.647	8.5	19.9
2 21	10 55.84	+ 7 48.0	1.677	2.655	4.0	19.6
3 2	10 46.41	+ 9 6.0	1.672	2.662	0.9	19.4
3 12	10 37.12	+10 20.3	1.696	2.669	5.4	19.7
3 22	10 29.02	+11 24.0	1.748	2.676	9.7	20.0
4 1	10 22.92	+12 12.4	1.825	2.681	13.4	20.2
383400 2006 TU_{116}			2 29.8 6.°37 0.°4/29.4 18			
1 22	11 7.72	+ 5 59.0	1.840	2.633	15.2	20.6
2 1	11 5.20	+ 6 26.6	1.757	2.634	11.9	20.3
2 11	11 0.46	+ 7 8.5	1.695	2.636	8.1	20.1
2 21	10 54.01	+ 8 0.5	1.659	2.638	3.8	19.9
3 2	10 46.66	+ 8 56.7	1.650	2.641	0.8	19.6
3 12	10 39.43	+ 9 50.2	1.670	2.645	5.2	20.0
3 22	10 33.25	+10 35.0	1.715	2.649	9.3	20.2
4 1	10 28.90	+11 6.9	1.785	2.654	13.0	20.4
5266 Rauch			2 29.8 18.°11 6.°6/25.7 18			
1 22	11 20.75	+23 22.3	1.554	2.367	16.6	17.4
2 1	11 15.89	+23 49.0	1.486	2.371	13.3	17.2
2 11	11 7.90	+24 13.9	1.439	2.375	9.7	17.0
2 21	10 57.58	+24 28.4	1.417	2.381	7.0	16.9
3 2	10 46.18	+24 24.8	1.422	2.386	7.1	16.9
3 12	10 35.25	+23 58.7	1.453	2.393	9.9	17.0
3 22	10 26.09	+23 10.1	1.508	2.400	13.4	17.3
4 1	10 19.63	+22 2.3	1.585	2.408	16.7	17.5
382284 2012 TN_{298}			2 29.8 346.°53 0.°6/ 1.4 17			
1 22	11 8.82	+ 3 10.8	2.156	2.928	14.0	21.2
2 1	11 5.74	+ 3 33.2	2.063	2.926	11.1	21.0
2 11	11 0.67	+ 4 9.9	1.992	2.924	7.7	20.8
2 21	10 54.08	+ 4 57.9	1.947	2.923	3.9	20.5
3 2	10 46.65	+ 5 52.7	1.931	2.921	0.6	20.3
3 12	10 39.28	+ 6 48.3	1.943	2.920	4.4	20.6
3 22	10 32.80	+ 7 39.3	1.984	2.919	8.2	20.8
4 1	10 27.90	+ 8 21.0	2.049	2.919	11.6	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
386840	2010 JX_{106}		2 29.8	268°.22	3°.3/ 4.1	16
	h m	° ′			°	m
1 22	11 12.25	− 3 56.5	2.727	3.444	12.6	21.1
2 1	11 8.11	− 4 18.9	2.604	3.423	10.5	20.9
2 11	11 2.17	− 4 28.6	2.503	3.402	8.0	20.7
2 21	10 54.79	− 4 25.5	2.429	3.381	5.3	20.5
3 2	10 46.55	− 4 10.7	2.383	3.360	3.4	20.3
3 12	10 38.18	− 3 46.8	2.367	3.338	4.3	20.4
3 22	10 30.42	− 3 17.5	2.381	3.316	7.0	20.5
4 1	10 23.94	− 2 46.8	2.422	3.294	9.9	20.7
437348	2013 TF_{51}		2 29.8	309°.70	14°.2/24.5	16
1 22	11 38.70	+34 47.0	1.067	1.879	22.7	20.5
2 1	11 32.23	+35 40.9	1.004	1.874	19.4	20.3
2 11	11 20.24	+36 20.1	0.959	1.869	16.3	20.0
2 21	11 3.82	+36 26.0	0.933	1.865	14.3	19.9
3 2	10 45.33	+35 42.6	0.929	1.861	14.7	19.9
3 12	10 27.90	+34 5.7	0.948	1.857	17.4	20.0
3 22	10 14.04	+31 44.1	0.987	1.853	21.0	20.2
4 1	10 5.11	+28 52.7	1.045	1.850	24.6	20.5
83224	2001 RA_{33}		2 29.8	144°.51	1°.5/ 2.5	18
1 22	11 8.99	− 0 21.2	2.387	3.137	13.4	19.8
2 1	11 5.64	+ 0 2.5	2.293	3.140	10.8	19.7
2 11	11 0.47	+ 0 41.6	2.222	3.143	7.7	19.5
2 21	10 53.94	+ 1 33.7	2.176	3.146	4.2	19.3
3 2	10 46.69	+ 2 34.9	2.160	3.148	1.5	19.1
3 12	10 39.49	+ 3 39.7	2.173	3.151	3.9	19.2
3 22	10 33.09	+ 4 42.5	2.215	3.153	7.3	19.5
4 1	10 28.13	+ 5 38.3	2.284	3.155	10.5	19.7
203839	2002 VP_{53}		2 29.8	34°.35	3°.5/26.4	18
1 22	11 10.67	+14 40.7	1.903	2.712	14.2	19.6
2 1	11 7.40	+15 32.6	1.833	2.720	11.0	19.4
2 11	11 1.86	+16 31.6	1.785	2.729	7.4	19.2
2 21	10 54.64	+17 31.2	1.763	2.739	4.2	19.0
3 2	10 46.60	+18 24.1	1.770	2.749	4.0	19.0
3 12	10 38.77	+19 3.9	1.804	2.759	7.1	19.2
3 22	10 32.09	+19 26.9	1.864	2.769	10.5	19.4
4 1	10 27.29	+19 31.7	1.947	2.780	13.6	19.7
164146	2003 YQ_{106}		2 29.8	357°.48	4°.3/25.1	18
1 22	11 10.07	+16 56.0	2.138	2.944	12.9	20.0
2 1	11 6.80	+18 6.9	2.058	2.944	10.0	19.8
2 11	11 1.43	+19 23.9	2.002	2.944	7.0	19.6
2 21	10 54.45	+20 40.1	1.974	2.944	4.6	19.4
3 2	10 46.62	+21 48.0	1.974	2.944	4.9	19.4
3 12	10 38.90	+22 40.9	2.003	2.944	7.5	19.6
3 22	10 32.16	+23 15.1	2.058	2.944	10.6	19.8
4 1	10 27.13	+23 29.3	2.135	2.944	13.4	20.0
382739	2003 BW_{11}		2 29.8	3°.21	4°.5/24.7	17
1 22	11 4.58	+13 17.3	1.717	2.540	14.9	19.6
2 1	11 3.02	+15 4.3	1.642	2.539	11.5	19.4
2 11	10 59.13	+17 4.5	1.591	2.540	7.8	19.2
2 21	10 53.43	+19 8.2	1.567	2.541	4.8	19.0
3 2	10 46.76	+21 4.3	1.570	2.543	5.4	19.0
3 12	10 40.19	+22 42.4	1.600	2.546	8.7	19.2
3 22	10 34.72	+23 55.8	1.656	2.550	12.3	19.5
4 1	10 31.16	+24 41.8	1.733	2.555	15.5	19.7
417422	2006 KZ_{42}		2 29.8	221°.55	5°.7/ 6.5	17
1 22	11 14.25	−11 53.3	2.353	3.031	15.4	22.5
2 1	11 10.02	−12 11.8	2.237	3.019	13.2	22.3
2 11	11 3.66	−12 10.0	2.139	3.006	10.7	22.1
2 21	10 55.58	−11 46.4	2.066	2.992	8.0	21.9
3 2	10 46.46	−11 1.4	2.020	2.977	6.0	21.8
3 12	10 37.19	− 9 58.4	2.002	2.961	6.1	21.7
3 22	10 28.70	− 8 43.2	2.014	2.945	8.4	21.8
4 1	10 21.79	− 7 23.1	2.052	2.927	11.3	22.0
436961	2012 TB_{159}		2 29.8	92°.25	2°.1/ 3.4	18
1 22	11 8.60	− 3 5.6	2.471	3.207	13.3	21.6
2 1	11 5.19	− 2 35.9	2.387	3.222	10.8	21.4
2 11	11 0.08	− 1 49.6	2.325	3.238	7.8	21.2
2 21	10 53.72	− 0 49.1	2.289	3.254	4.6	21.1
3 2	10 46.74	+ 0 21.6	2.283	3.269	2.1	20.9
3 12	10 39.89	+ 1 36.9	2.307	3.284	3.7	21.0
3 22	10 33.85	+ 2 51.0	2.360	3.299	6.8	21.3
4 1	10 29.19	+ 3 58.7	2.440	3.314	9.8	21.5
391814	2008 SB_{4}		2 29.8	222°.34	1°.8/28.3	17
1 22	11 17.46	+ 9 12.1	1.887	2.670	15.3	22.8
2 1	11 13.01	+ 9 53.0	1.786	2.659	12.1	22.5
2 11	11 5.95	+10 47.1	1.708	2.647	8.2	22.2
2 21	10 56.76	+11 49.1	1.655	2.634	3.9	22.0
3 2	10 46.31	+12 52.1	1.632	2.620	2.2	21.8
3 12	10 35.78	+13 48.2	1.638	2.605	6.3	22.0
3 22	10 26.35	+14 31.3	1.671	2.589	10.7	22.3
4 1	10 18.97	+14 57.8	1.729	2.572	14.6	22.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
135465	2001 VG_{90}		2 29.8	209°.92	0°.5/29.2	18
	h m	° ′			°	m
1 22	11 9.23	+ 6 6.4	3.076	3.838	10.4	21.2
2 1	11 5.44	+ 6 49.5	2.970	3.830	8.2	21.1
2 11	11 0.17	+ 7 42.4	2.889	3.822	5.5	20.9
2 21	10 53.77	+ 8 41.9	2.836	3.814	2.6	20.6
3 2	10 46.74	+ 9 44.2	2.815	3.805	0.7	20.5
3 12	10 39.71	+10 44.5	2.825	3.795	3.7	20.7
3 22	10 33.26	+11 38.8	2.865	3.785	6.6	20.9
4 1	10 27.93	+12 24.0	2.932	3.775	9.3	21.0
229401	2005 SU_{152}		2 29.8	147°.16	4°.9/24.1	18 R
1 22	11 16.98	+22 27.0	2.576	3.366	11.4	21.9
2 1	11 11.70	+23 31.4	2.506	3.379	9.0	21.7
2 11	11 4.47	+24 36.1	2.462	3.391	6.6	21.6
2 21	10 55.81	+25 34.7	2.447	3.403	5.1	21.5
3 2	10 46.48	+26 21.1	2.462	3.413	5.5	21.6
3 12	10 37.34	+26 51.0	2.506	3.423	7.5	21.7
3 22	10 29.20	+27 2.6	2.577	3.432	9.9	21.9
4 1	10 22.70	+26 56.2	2.672	3.441	12.1	22.0
371666	2007 CX_{49}		2 29.8	318°.60	0°.8/28.9	18
1 22	11 7.38	+ 3 29.8	1.734	2.524	16.1	20.6
2 1	11 5.21	+ 4 43.6	1.642	2.518	12.7	20.3
2 11	11 0.66	+ 6 19.4	1.572	2.512	8.6	20.1
2 21	10 54.21	+ 8 11.5	1.527	2.506	4.0	19.8
3 2	10 46.68	+10 11.0	1.511	2.501	1.3	19.6
3 12	10 39.15	+12 6.7	1.523	2.496	6.0	19.9
3 22	10 32.68	+13 49.0	1.563	2.491	10.5	20.1
4 1	10 28.14	+15 10.7	1.626	2.486	14.5	20.3
502995	2015 FD_{94}		2 29.8	57°.23	3°.5/ 4.3	17
1 22	11 10.75	− 4 14.5	2.233	2.965	14.7	20.7
2 1	11 7.18	− 4 28.2	2.138	2.967	12.1	20.5
2 11	11 1.63	− 4 25.3	2.065	2.970	9.1	20.3
2 21	10 54.55	− 4 6.3	2.016	2.972	5.9	20.2
3 2	10 46.66	− 3 33.3	1.995	2.975	3.6	20.0
3 12	10 38.80	− 2 50.7	2.003	2.977	4.6	20.1
3 22	10 31.83	− 2 3.6	2.039	2.979	7.7	20.3
4 1	10 26.43	− 1 17.6	2.101	2.982	10.8	20.5
385907	2006 SF_{386}		2 29.8	230°.56	6°.8/20.9	17
1 22	11 12.00	+28 13.7	2.508	3.311	11.3	21.1
2 1	11 8.16	+29 36.7	2.435	3.307	9.3	20.9
2 11	11 2.28	+30 57.4	2.388	3.303	7.5	20.8
2 21	10 54.85	+32 8.4	2.367	3.299	6.8	20.8
3 2	10 46.63	+33 3.0	2.375	3.295	7.5	20.8
3 12	10 38.50	+33 36.4	2.409	3.291	9.3	20.9
3 22	10 31.31	+33 47.0	2.468	3.287	11.5	21.0
4 1	10 25.76	+33 35.5	2.548	3.282	13.5	21.2
37571	1989 UE_{1}		2 29.8	133°.58	0°.8/ 1.5	18
1 22	11 16.54	+ 2 43.8	1.995	2.754	15.4	20.0
2 1	11 11.80	+ 3 5.9	1.914	2.769	12.2	19.9
2 11	11 4.78	+ 3 43.2	1.856	2.784	8.4	19.6
2 21	10 56.05	+ 4 32.5	1.824	2.798	4.3	19.4
3 2	10 46.47	+ 5 28.4	1.821	2.812	0.8	19.2
3 12	10 37.09	+ 6 24.6	1.848	2.824	4.7	19.5
3 22	10 28.85	+ 7 15.2	1.904	2.836	8.7	19.8
4 1	10 22.52	+ 7 55.8	1.985	2.847	12.2	20.0
151037	2001 UZ_{182}		2 29.8	95°.64	1°.8/28.1	18
1 22	11 13.04	+ 8 47.8	1.901	2.691	14.9	20.7
2 1	11 9.17	+ 9 42.9	1.831	2.708	11.6	20.5
2 11	11 3.03	+10 50.2	1.784	2.725	7.7	20.3
2 21	10 55.21	+12 3.7	1.763	2.742	3.6	20.1
3 2	10 46.59	+13 15.9	1.771	2.758	2.2	20.0
3 12	10 38.21	+14 19.5	1.808	2.774	5.9	20.3
3 22	10 31.00	+15 9.1	1.872	2.790	9.7	20.5
4 1	10 25.69	+15 41.8	1.961	2.806	13.1	20.8
468222	2015 BA_{122}		2 29.8	237°.79	3°.2/26.3	17
1 22	11 11.02	+13 29.3	2.248	3.044	12.7	21.6
2 1	11 7.51	+14 34.8	2.153	3.035	9.9	21.4
2 11	11 1.94	+15 49.3	2.083	3.025	6.7	21.2
2 21	10 54.74	+17 6.9	2.040	3.015	3.8	21.0
3 2	10 46.64	+18 20.6	2.026	3.005	3.7	21.0
3 12	10 38.54	+19 23.4	2.042	2.994	6.6	21.1
3 22	10 31.30	+20 10.6	2.085	2.983	9.9	21.3
4 1	10 25.68	+20 39.5	2.152	2.972	13.0	21.5
37312	2001 PJ_{62}		2 29.8	79°.65	4°.6/ 5.9	18
1 22	11 9.81	− 8 47.2	2.325	3.032	14.8	18.5
2 1	11 6.35	− 9 1.9	2.234	3.040	12.5	18.3
2 11	11 1.01	− 8 57.8	2.163	3.048	9.8	18.1
2 21	10 54.24	− 8 34.8	2.117	3.056	6.9	18.0
3 2	10 46.72	− 7 54.7	2.097	3.065	4.9	17.9
3 12	10 39.28	− 7 1.6	2.106	3.073	5.2	17.9
3 22	10 32.68	− 6 1.0	2.143	3.081	7.5	18.0
4 1	10 27.60	− 4 59.1	2.206	3.089	10.3	18.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
41444 2000 JK_{76}			2 29.8	126.°93	4.°6/24.3	18
	h m	° ′			°	m
1 22	11 12.33	+20 38.7	2.493	3.292	11.5	18.4
2 1	11 8.19	+21 43.7	2.422	3.301	9.0	18.2
2 11	11 2.17	+22 50.5	2.376	3.310	6.5	18.1
2 21	10 54.76	+23 52.8	2.358	3.319	4.8	18.0
3 2	10 46.67	+24 44.6	2.369	3.328	5.2	18.0
3 12	10 38.74	+25 21.1	2.410	3.336	7.3	18.2
3 22	10 31.74	+25 40.0	2.476	3.344	9.8	18.3
4 1	10 26.29	+25 40.9	2.567	3.352	12.1	18.5
222256 2000 QK_{71}			2 29.8	173.°81	0.°6/ 1.5	17
1 22	11 12.52	+ 2 42.5	2.509	3.261	12.7	21.3
2 1	11 8.30	+ 3 10.0	2.413	3.264	10.1	21.1
2 11	11 2.25	+ 3 50.4	2.340	3.267	7.0	20.9
2 21	10 54.82	+ 4 41.0	2.295	3.269	3.6	20.7
3 2	10 46.66	+ 5 37.4	2.280	3.270	0.6	20.5
3 12	10 38.54	+ 6 34.6	2.295	3.271	3.9	20.7
3 22	10 31.23	+ 7 27.7	2.341	3.271	7.4	21.0
4 1	10 25.36	+ 8 12.4	2.412	3.271	10.4	21.2
239388 2007 SJ_{19}			2 29.8	64.°04	1.°0/ 1.8	17
1 22	11 9.85	+ 2 11.1	2.206	2.970	13.9	21.0
2 1	11 6.47	+ 2 28.5	2.117	2.974	11.1	20.8
2 11	11 1.14	+ 3 0.2	2.049	2.978	7.8	20.6
2 21	10 54.32	+ 3 43.4	2.008	2.981	4.0	20.4
3 2	10 46.72	+ 4 33.9	1.995	2.985	1.0	20.1
3 12	10 39.21	+ 5 26.3	2.012	2.989	4.2	20.4
3 22	10 32.59	+ 6 15.2	2.056	2.993	7.9	20.6
4 1	10 27.54	+ 6 56.1	2.127	2.997	11.2	20.8
132730 2002 PE_{23}			2 29.8	242.°28	1.°6/ 2.5	17
1 22	11 11.13	+ 0 32.5	2.343	3.094	13.6	21.0
2 1	11 7.46	+ 0 40.3	2.237	3.085	11.0	20.8
2 11	11 1.84	+ 1 2.3	2.153	3.075	7.9	20.6
2 21	10 54.69	+ 1 36.9	2.096	3.065	4.4	20.3
3 2	10 46.67	+ 2 20.7	2.067	3.055	1.6	20.1
3 12	10 38.62	+ 3 9.0	2.068	3.045	4.1	20.3
3 22	10 31.36	+ 3 56.7	2.097	3.035	7.7	20.5
4 1	10 25.60	+ 4 38.9	2.153	3.024	11.0	20.7
463694 2014 OY_{360}			2 29.8	162.°21	0.°7/29.1	18
1 22	11 14.13	+ 5 47.7	2.093	2.865	14.3	22.6
2 1	11 9.92	+ 6 35.4	2.006	2.871	11.2	22.4
2 11	11 3.54	+ 7 37.2	1.942	2.877	7.6	22.2
2 21	10 55.50	+ 8 48.5	1.904	2.883	3.5	21.9
3 2	10 46.57	+10 2.9	1.897	2.887	1.1	21.8
3 12	10 37.75	+11 13.1	1.920	2.891	5.1	22.0
3 22	10 29.94	+12 13.4	1.971	2.894	9.0	22.3
4 1	10 23.89	+12 59.5	2.047	2.896	12.4	22.5
319837 2006 VQ_{169}			2 29.8	68.°82	0.°1/29.7	18
1 22	11 10.15	+ 2 14.3	1.659	2.442	17.0	20.1
2 1	11 7.25	+ 3 17.8	1.588	2.459	13.4	19.9
2 11	11 1.92	+ 4 42.3	1.538	2.475	9.1	19.7
2 21	10 54.76	+ 6 21.8	1.514	2.492	4.3	19.5
3 2	10 46.68	+ 8 7.6	1.517	2.508	0.6	19.2
3 12	10 38.84	+ 9 49.3	1.549	2.525	5.5	19.6
3 22	10 32.25	+11 18.2	1.608	2.541	9.9	19.9
4 1	10 27.69	+12 28.5	1.691	2.558	13.8	20.2
239243 2006 TJ_{12}			2 29.8	213.°30	4.°2/ 6.2	18
1 22	11 8.83	−10 6.8	2.859	3.544	12.7	20.8
2 1	11 5.31	−10 7.6	2.747	3.538	10.8	20.6
2 11	11 0.19	− 9 51.5	2.657	3.532	8.5	20.4
2 21	10 53.84	− 9 18.4	2.592	3.526	6.2	20.3
3 2	10 46.81	− 8 29.7	2.555	3.519	4.4	20.2
3 12	10 39.75	− 7 29.1	2.547	3.511	4.6	20.2
3 22	10 33.32	− 6 21.1	2.569	3.504	6.6	20.3
4 1	10 28.09	− 5 11.3	2.618	3.496	9.1	20.4
500364 2012 TQ_{34}			2 29.8	95.°90	2.°6/ 3.7	17
1 22	11 12.57	− 2 41.8	2.533	3.260	13.3	21.7
2 1	11 8.19	− 2 48.8	2.451	3.280	10.8	21.5
2 11	11 2.08	− 2 41.8	2.392	3.299	7.9	21.3
2 21	10 54.70	− 2 21.9	2.359	3.318	4.9	21.2
3 2	10 46.70	− 1 51.6	2.355	3.337	2.7	21.1
3 12	10 38.86	− 1 14.9	2.381	3.356	3.9	21.2
3 22	10 31.87	− 0 36.0	2.436	3.374	6.8	21.4
4 1	10 26.32	+ 0 0.7	2.519	3.392	9.5	21.6
232729 2004 DQ_{16}			2 29.8	348.°67	4.°8/ 4.1	18
1 22	11 12.46	− 4 4.9	1.307	2.080	21.3	20.6
2 1	11 10.01	− 4 29.1	1.224	2.078	17.7	20.4
2 11	11 4.41	− 4 27.4	1.158	2.077	13.3	20.1
2 21	10 56.19	− 3 58.8	1.113	2.076	8.6	19.8
3 2	10 46.47	− 3 6.3	1.092	2.075	5.0	19.6
3 12	10 36.77	− 1 57.7	1.096	2.074	6.7	19.7
3 22	10 28.58	− 0 43.5	1.125	2.074	11.4	19.9
4 1	10 23.06	+ 0 26.0	1.175	2.074	16.1	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
57658 Nilrem			2 29.8	298.°63	7.°1/24.0	18
	h m	° ′			°	m
1 22	11 18.30	+24 35.4	1.779	2.588	15.0	19.2
2 1	11 13.81	+25 32.8	1.704	2.585	12.0	19.0
2 11	11 6.49	+26 29.5	1.652	2.583	9.1	18.9
2 21	10 57.00	+27 16.5	1.625	2.580	7.2	18.7
3 2	10 46.40	+27 45.0	1.625	2.577	7.8	18.8
3 12	10 36.04	+27 49.3	1.652	2.574	10.3	18.9
3 22	10 27.15	+27 28.3	1.703	2.571	13.4	19.1
4 1	10 20.64	+26 43.8	1.775	2.569	16.3	19.3
437203 2012 WT_{8}			2 29.8	143.°49	4.°3/24.5	18
1 22	11 12.64	+21 10.2	2.700	3.495	10.8	22.0
2 1	11 8.29	+22 3.1	2.625	3.502	8.5	21.8
2 11	11 2.17	+22 56.9	2.575	3.508	6.1	21.7
2 21	10 54.76	+23 46.3	2.553	3.514	4.5	21.6
3 2	10 46.71	+24 26.0	2.561	3.520	4.8	21.6
3 12	10 38.80	+24 51.9	2.598	3.525	6.8	21.7
3 22	10 31.76	+25 2.0	2.662	3.530	9.1	21.9
4 1	10 26.17	+24 56.1	2.750	3.535	11.4	22.0
205940 2002 JA_{46}			2 29.8	321.°05	0.°1/29.8	17
1 22	11 12.60	+ 6 48.7	1.316	2.127	19.2	19.8
2 1	11 10.30	+ 6 41.9	1.223	2.109	15.4	19.5
2 11	11 4.76	+ 6 50.7	1.148	2.091	10.7	19.2
2 21	10 56.47	+ 7 11.9	1.095	2.075	5.3	18.8
3 2	10 46.46	+ 7 39.9	1.068	2.059	0.7	18.4
3 12	10 36.31	+ 8 7.1	1.065	2.043	6.7	18.8
3 22	10 27.58	+ 8 26.4	1.086	2.029	12.5	19.1
4 1	10 21.56	+ 8 32.6	1.128	2.015	17.5	19.3
412191 2013 GT_{100}			2 29.8	285.°01	5.°1/25.6	18
1 22	11 13.18	+15 48.3	1.564	2.382	16.3	20.8
2 1	11 10.22	+16 57.7	1.478	2.370	12.8	20.6
2 11	11 4.36	+18 17.7	1.413	2.359	8.9	20.3
2 21	10 56.12	+19 39.6	1.374	2.347	5.6	20.1
3 2	10 46.52	+20 52.7	1.361	2.336	5.8	20.1
3 12	10 36.92	+21 47.3	1.374	2.324	9.4	20.2
3 22	10 28.66	+22 17.7	1.412	2.313	13.5	20.5
4 1	10 22.79	+22 22.1	1.471	2.302	17.4	20.7
172676 2003 YD_{136}			2 29.8	216.°92	7.°4/22.5	18
1 22	11 14.41	+22 52.5	1.771	2.587	14.8	20.2
2 1	11 10.86	+24 33.1	1.698	2.584	11.8	20.0
2 11	11 4.58	+26 17.1	1.648	2.581	9.0	19.8
2 21	10 56.14	+27 53.8	1.624	2.577	7.4	19.7
3 2	10 46.53	+29 12.4	1.628	2.573	8.3	19.8
3 12	10 37.03	+30 4.9	1.657	2.569	11.0	19.9
3 22	10 28.85	+30 27.9	1.711	2.565	14.1	20.1
4 1	10 22.94	+30 22.5	1.784	2.561	16.9	20.3
282205 2001 VG_{54}			2 29.8	148.°78	3.°2/ 4.5	18
1 22	11 10.46	− 5 1.9	2.649	3.366	13.0	20.6
2 1	11 6.62	− 5 8.1	2.552	3.371	10.7	20.4
2 11	11 1.08	− 4 59.5	2.477	3.375	8.1	20.3
2 21	10 54.27	− 4 36.6	2.427	3.380	5.3	20.1
3 2	10 46.79	− 4 1.4	2.407	3.384	3.3	20.0
3 12	10 39.36	− 3 17.8	2.416	3.388	4.1	20.0
3 22	10 32.65	− 2 30.1	2.454	3.392	6.7	20.2
4 1	10 27.27	− 1 43.1	2.519	3.395	9.4	20.4
150946 2001 TK_{110}			2 29.8	146.°41	0.°2/ 1.0	18
1 22	11 15.58	+ 5 30.3	2.051	2.821	14.7	20.6
2 1	11 11.08	+ 5 38.2	1.964	2.826	11.6	20.4
2 11	11 4.35	+ 5 58.0	1.899	2.832	8.0	20.2
2 21	10 55.91	+ 6 26.8	1.861	2.837	3.9	20.0
3 2	10 46.58	+ 7 0.0	1.851	2.842	0.5	19.7
3 12	10 37.37	+ 7 32.6	1.871	2.846	4.7	20.0
3 22	10 29.24	+ 7 59.8	1.919	2.851	8.7	20.3
4 1	10 22.93	+ 8 18.1	1.992	2.854	12.2	20.5
182064 2000 EC_{79}			2 29.8	101.°75	2.°3/27.7	18
1 22	11 11.97	+ 9 37.3	1.728	2.529	15.8	19.6
2 1	11 8.74	+10 34.9	1.649	2.532	12.3	19.3
2 11	11 3.02	+11 46.3	1.592	2.536	8.2	19.1
2 21	10 55.34	+13 4.9	1.560	2.539	4.0	18.9
3 2	10 46.65	+14 22.3	1.556	2.542	2.8	18.8
3 12	10 38.09	+15 29.7	1.580	2.546	6.7	19.0
3 22	10 30.74	+16 21.0	1.631	2.549	10.9	19.3
4 1	10 25.45	+16 52.7	1.704	2.552	14.6	19.5
43345 2000 RB_{88}			2 29.8	221.°40	6.°6/ 7.3	18
1 22	11 13.18	−13 30.0	2.355	3.024	15.5	19.5
2 1	11 9.19	−14 7.5	2.244	3.016	13.5	19.3
2 11	11 3.12	−14 25.3	2.153	3.007	11.1	19.1
2 21	10 55.38	−14 21.3	2.085	2.998	8.7	19.0
3 2	10 46.64	−13 55.3	2.043	2.989	6.9	18.8
3 12	10 37.79	−13 9.7	2.029	2.979	6.8	18.8
3 22	10 29.73	−12 9.6	2.043	2.968	8.6	18.9
4 1	10 23.25	−11 1.7	2.083	2.957	11.2	19.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
84144	2002 RT_{59}		2 29.8	68°.93	1°.7/28.4	18
	h m	° ′			°	m
1 22	11 12.74	+ 7 38.7	1.592	2.391	16.9	19.8
2 1	11 9.36	+ 8 34.4	1.528	2.409	13.2	19.6
2 11	11 3.38	+ 9 45.4	1.485	2.428	8.8	19.4
2 21	10 55.47	+11 5.0	1.467	2.446	4.1	19.1
3 2	10 46.65	+12 24.2	1.476	2.465	2.2	19.1
3 12	10 38.13	+13 34.2	1.514	2.483	6.4	19.4
3 22	10 31.00	+14 28.3	1.577	2.502	10.7	19.7
4 1	10 26.07	+15 3.2	1.663	2.520	14.4	19.9
108504	2001 KG_{68}		2 29.8	244°.47	5°.0/ 6.3	18
1 22	11 11.41	−11 14.4	2.318	3.006	15.3	20.1
2 1	11 7.90	−11 7.3	2.195	2.988	13.1	19.9
2 11	11 2.31	−10 37.6	2.092	2.969	10.4	19.6
2 21	10 55.02	− 9 44.4	2.013	2.949	7.5	19.4
3 2	10 46.70	− 8 29.0	1.961	2.928	5.3	19.2
3 12	10 38.21	− 6 56.3	1.939	2.906	5.5	19.2
3 22	10 30.46	− 5 13.4	1.946	2.884	8.1	19.3
4 1	10 24.23	− 3 28.6	1.980	2.861	11.4	19.5
27171	1999 AD_{33}		2 29.8	10°.19	3°.3/26.1	18
1 22	11 9.32	+13 30.9	2.107	2.910	13.2	18.4
2 1	11 6.26	+14 41.2	2.025	2.910	10.2	18.2
2 11	11 1.12	+16 0.6	1.967	2.911	6.9	18.0
2 21	10 54.38	+17 22.5	1.936	2.911	3.9	17.8
3 2	10 46.80	+18 39.2	1.934	2.911	3.9	17.8
3 12	10 39.31	+19 43.9	1.960	2.912	6.8	18.0
3 22	10 32.76	+20 31.5	2.013	2.913	10.2	18.2
4 1	10 27.90	+20 59.9	2.090	2.913	13.2	18.4
199238	2006 AM_{77}		2 29.8	213°.55	1°.3/28.4	17
1 22	11 11.21	+ 8 8.7	2.236	3.017	13.2	20.9
2 1	11 7.62	+ 8 55.6	2.141	3.013	10.3	20.7
2 11	11 2.00	+ 9 54.4	2.069	3.008	7.0	20.5
2 21	10 54.81	+11 0.5	2.024	3.003	3.3	20.2
3 2	10 46.75	+12 8.0	2.009	2.997	1.7	20.1
3 12	10 38.71	+13 10.4	2.023	2.992	5.2	20.3
3 22	10 31.55	+14 2.4	2.066	2.985	8.9	20.6
4 1	10 25.98	+14 40.3	2.134	2.979	12.1	20.7
205579	2001 TX_{55}		2 29.8	151°.78	0°.3/ 1.2	18
1 22	11 9.82	+ 3 38.6	2.743	3.499	11.7	21.3
2 1	11 6.03	+ 4 8.8	2.651	3.506	9.2	21.2
2 11	11 0.64	+ 4 50.1	2.583	3.512	6.3	21.0
2 21	10 54.06	+ 5 39.9	2.542	3.518	3.1	20.8
3 2	10 46.86	+ 6 34.2	2.532	3.523	0.4	20.5
3 12	10 39.74	+ 7 28.2	2.553	3.528	3.6	20.8
3 22	10 33.32	+ 8 17.8	2.603	3.533	6.8	21.0
4 1	10 28.18	+ 8 59.4	2.680	3.537	9.6	21.2
437096	2012 UZ_{88}		2 29.8	251°.19	8°.3/11.3	17
1 22	11 8.79	−22 13.3	2.598	3.204	15.4	21.0
2 1	11 5.65	−22 47.8	2.487	3.197	13.9	20.8
2 11	11 0.64	−22 59.9	2.394	3.189	12.1	20.6
2 21	10 54.17	−22 46.9	2.321	3.181	10.3	20.5
3 2	10 46.84	−22 7.6	2.272	3.173	8.8	20.4
3 12	10 39.45	−21 3.9	2.249	3.165	8.3	20.3
3 22	10 32.78	−19 40.8	2.252	3.157	9.0	20.4
4 1	10 27.52	−18 5.1	2.282	3.149	10.6	20.5
387211	2012 TV_{317}		2 29.8	128°.38	1°.8/ 2.7	17
1 22	11 12.60	+ 0 30.1	2.645	3.384	12.5	21.4
2 1	11 8.22	+ 0 24.5	2.553	3.393	10.0	21.2
2 11	11 2.14	+ 0 30.6	2.485	3.402	7.2	21.1
2 21	10 54.78	+ 0 46.9	2.443	3.410	4.1	20.9
3 2	10 46.77	+ 1 10.9	2.432	3.419	1.8	20.7
3 12	10 38.86	+ 1 39.0	2.450	3.427	3.6	20.9
3 22	10 31.73	+ 2 7.5	2.498	3.434	6.7	21.1
4 1	10 25.96	+ 2 32.9	2.573	3.442	9.5	21.3
231998	2001 ST_{37}		2 29.8	206°.99	0°.1/29.9	18
1 22	11 13.86	+ 3 0.4	1.819	2.591	16.2	21.1
2 1	11 10.22	+ 3 43.8	1.722	2.586	12.9	20.9
2 11	11 4.08	+ 4 46.4	1.647	2.581	8.9	20.6
2 21	10 55.92	+ 6 4.1	1.598	2.575	4.4	20.4
3 2	10 46.61	+ 7 30.2	1.577	2.568	0.5	20.0
3 12	10 37.27	+ 8 55.8	1.586	2.561	5.4	20.4
3 22	10 29.01	+10 12.8	1.621	2.553	10.0	20.6
4 1	10 22.76	+11 14.9	1.682	2.544	14.0	20.9
426484	2013 RW_{17}		2 29.8	234°.12	2°.8/ 3.0	17
1 22	11 16.61	− 0 16.4	2.065	2.809	15.4	21.6
2 1	11 12.07	− 0 43.7	1.961	2.802	12.6	21.3
2 11	11 5.18	− 0 57.2	1.879	2.795	9.2	21.1
2 21	10 56.41	− 0 57.4	1.823	2.787	5.6	20.9
3 2	10 46.55	− 0 46.0	1.794	2.779	2.9	20.7
3 12	10 36.65	− 0 26.8	1.795	2.771	4.9	20.8
3 22	10 27.71	− 0 4.3	1.825	2.762	8.6	21.0
4 1	10 20.60	+ 0 16.7	1.879	2.754	12.2	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
240325	2003 LB		2 29.8	298°.72	2°.9/27.7	18
	h m	° ′			°	m
1 22	11 13.16	+11 1.7	1.418	2.232	17.9	20.3
2 1	11 10.48	+11 43.8	1.329	2.220	14.1	20.1
2 11	11 4.71	+12 40.9	1.261	2.208	9.6	19.8
2 21	10 56.39	+13 46.0	1.216	2.196	4.8	19.4
3 2	10 46.55	+14 49.7	1.198	2.184	3.5	19.3
3 12	10 36.68	+15 42.1	1.205	2.172	8.1	19.6
3 22	10 28.22	+16 15.9	1.237	2.161	13.1	19.8
4 1	10 22.33	+16 27.7	1.290	2.150	17.5	20.0
179893	2002 UH_{37}		2 29.8	32°.85	2°.4/28.2	18
1 22	11 13.54	+10 53.6	1.369	2.185	18.3	20.0
2 1	11 10.47	+11 21.4	1.305	2.197	14.3	19.8
2 11	11 4.39	+12 1.6	1.262	2.208	9.6	19.6
2 21	10 56.05	+12 47.5	1.241	2.221	4.6	19.3
3 2	10 46.62	+13 30.6	1.247	2.235	2.8	19.2
3 12	10 37.55	+14 3.0	1.278	2.249	7.3	19.5
3 22	10 30.11	+14 19.8	1.334	2.263	11.9	19.8
4 1	10 25.21	+14 18.6	1.412	2.278	16.0	20.1
114178	2002 VE_{78}		2 29.8	169°.12	3°.7/ 5.4	18
1 22	11 9.27	− 7 48.3	2.586	3.291	13.5	20.5
2 1	11 5.78	− 7 43.7	2.485	3.293	11.3	20.4
2 11	11 0.59	− 7 21.5	2.406	3.295	8.7	20.2
2 21	10 54.08	− 6 42.2	2.351	3.297	6.0	20.0
3 2	10 46.88	− 5 48.1	2.325	3.298	3.9	19.9
3 12	10 39.70	− 4 43.4	2.329	3.300	4.4	19.9
3 22	10 33.25	− 3 33.6	2.362	3.300	6.9	20.1
4 1	10 28.14	− 2 24.3	2.421	3.301	9.6	20.2
506297	2017 MS_{6}		2 29.8	217°.64	2°.4/26.8	17
1 22	11 13.73	+13 11.3	2.886	3.662	10.7	23.4
2 1	11 9.15	+14 4.7	2.779	3.649	8.3	23.2
2 11	11 2.83	+15 5.1	2.698	3.636	5.6	23.0
2 21	10 55.17	+16 7.8	2.647	3.622	3.0	22.8
3 2	10 46.73	+17 7.8	2.627	3.607	2.7	22.8
3 12	10 38.25	+18 0.0	2.638	3.591	5.2	22.9
3 22	10 30.44	+18 40.7	2.678	3.574	8.1	23.1
4 1	10 23.92	+19 7.9	2.745	3.556	10.7	23.2
119836	2002 CS_{12}		2 29.8	50°.27	8°.3/23.4	18
1 22	11 18.68	+26 46.4	1.615	2.430	16.0	18.7
2 1	11 14.18	+27 54.2	1.563	2.445	12.9	18.6
2 11	11 6.72	+28 57.9	1.532	2.459	10.0	18.4
2 21	10 57.08	+29 47.4	1.527	2.474	8.4	18.4
3 2	10 46.52	+30 13.8	1.547	2.489	9.0	18.4
3 12	10 36.48	+30 12.3	1.592	2.505	11.3	18.6
3 22	10 28.18	+29 43.3	1.661	2.520	14.2	18.8
4 1	10 22.45	+28 50.2	1.750	2.536	16.8	19.0
271015	2003 AW		2 29.8	84°.89	1°.5/28.3	18
1 22	11 13.57	+ 7 13.1	1.805	2.592	15.7	20.7
2 1	11 9.66	+ 8 16.6	1.742	2.617	12.2	20.5
2 11	11 3.42	+ 9 34.1	1.701	2.641	8.1	20.3
2 21	10 55.46	+10 59.3	1.686	2.665	3.7	20.1
3 2	10 46.73	+12 23.8	1.700	2.689	2.0	20.0
3 12	10 38.30	+13 39.3	1.744	2.712	5.9	20.3
3 22	10 31.13	+14 40.0	1.814	2.735	9.8	20.6
4 1	10 25.94	+15 22.4	1.909	2.757	13.2	20.9
71044	1999 XT_{81}		2 29.8	51°.16	1°.4/28.5	18
1 22	11 11.08	+ 8 39.8	1.905	2.698	14.8	19.1
2 1	11 7.76	+ 9 18.4	1.826	2.705	11.5	18.9
2 11	11 2.19	+10 8.9	1.770	2.712	7.7	18.7
2 21	10 54.92	+11 6.3	1.740	2.719	3.6	18.4
3 2	10 46.79	+12 4.1	1.738	2.727	1.8	18.3
3 12	10 38.82	+12 55.4	1.765	2.735	5.6	18.6
3 22	10 31.95	+13 35.1	1.818	2.743	9.6	18.8
4 1	10 26.92	+13 59.9	1.896	2.751	13.0	19.0
462880	2010 VU_{176}		2 29.8	87°.75	2°.1/28.2	18
1 22	11 18.45	+11 42.7	1.815	2.605	15.5	21.6
2 1	11 13.44	+12 8.0	1.750	2.626	12.1	21.4
2 11	11 5.95	+12 41.7	1.707	2.647	8.1	21.2
2 21	10 56.67	+13 18.3	1.690	2.668	3.9	21.0
3 2	10 46.58	+13 51.5	1.702	2.688	2.5	21.0
3 12	10 36.86	+14 15.6	1.742	2.708	6.1	21.2
3 22	10 28.53	+14 27.3	1.810	2.728	10.0	21.5
4 1	10 22.33	+14 25.0	1.902	2.747	13.4	21.8
272461	2005 UP_{55}		2 29.8	101°.39	5°.9/24.5	18
1 22	11 18.59	+22 48.2	2.015	2.815	13.8	20.7
2 1	11 13.45	+23 48.5	1.955	2.833	10.9	20.5
2 11	11 5.92	+24 48.4	1.920	2.851	8.0	20.4
2 21	10 56.64	+25 40.1	1.911	2.868	6.1	20.3
3 2	10 46.60	+26 16.5	1.931	2.885	6.5	20.3
3 12	10 36.93	+26 32.7	1.978	2.902	8.7	20.5
3 22	10 28.61	+26 27.6	2.051	2.918	11.5	20.7
4 1	10 22.38	+26 2.5	2.147	2.934	14.1	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
522828 2016 NK_{82}			2 29.8 232°.15	1°.2/ 2.5 17		
	h m	° ′			°	m
1 22	11 7.80	− 0 23.8	2.733	3.477	12.0	22.2
2 1	11 4.59	+ 0 8.9	2.626	3.470	9.7	22.0
2 11	10 59.77	+ 0 55.9	2.542	3.462	6.9	21.8
2 21	10 53.71	+ 1 55.1	2.485	3.455	3.8	21.6
3 2	10 46.97	+ 3 2.8	2.458	3.447	1.3	21.4
3 12	10 40.22	+ 4 13.9	2.461	3.439	3.5	21.6
3 22	10 34.12	+ 5 23.2	2.494	3.431	6.7	21.8
4 1	10 29.23	+ 6 26.1	2.555	3.422	9.6	21.9
320733 2008 ER_{21}			2 29.8 16°.88	5°.6/26.5 18		
1 22	11 21.86	+20 50.6	1.566	2.375	16.7	20.1
2 1	11 16.83	+21 11.4	1.492	2.376	13.3	19.9
2 11	11 8.67	+21 32.7	1.440	2.378	9.5	19.7
2 21	10 58.12	+21 46.7	1.412	2.381	6.2	19.5
3 2	10 46.41	+21 45.7	1.412	2.384	6.0	19.5
3 12	10 35.08	+21 25.0	1.438	2.387	9.1	19.7
3 22	10 25.46	+20 43.9	1.489	2.390	12.9	19.9
4 1	10 18.53	+19 44.5	1.563	2.394	16.5	20.2
114396 2002 YG_{9}			2 29.8 149°.11	2°.4/27.6 18		
1 22	11 12.92	+10 31.5	1.912	2.706	14.7	20.3
2 1	11 9.26	+11 25.6	1.830	2.710	11.4	20.1
2 11	11 3.27	+12 31.2	1.771	2.713	7.6	19.9
2 21	10 55.48	+13 42.3	1.739	2.717	3.8	19.6
3 2	10 46.75	+14 51.3	1.735	2.720	2.8	19.6
3 12	10 38.14	+15 50.8	1.760	2.723	6.4	19.8
3 22	10 30.65	+16 35.4	1.812	2.726	10.2	20.0
4 1	10 25.06	+17 2.2	1.887	2.728	13.7	20.2
365190 2009 FC_{30}			2 29.9 304°.63	1°.0/ 1.6 17		
1 22	11 10.55	+ 2 36.4	1.495	2.286	18.2	21.3
2 1	11 8.28	+ 2 50.6	1.397	2.270	14.7	21.0
2 11	11 3.16	+ 3 25.5	1.319	2.255	10.4	20.7
2 21	10 55.66	+ 4 18.4	1.264	2.240	5.4	20.4
3 2	10 46.71	+ 5 23.7	1.235	2.225	1.0	20.0
3 12	10 37.63	+ 6 32.5	1.232	2.211	5.9	20.3
3 22	10 29.75	+ 7 35.8	1.254	2.197	11.2	20.6
4 1	10 24.20	+ 8 26.0	1.299	2.183	15.9	20.8
40733 1999 SM_{17}			2 29.9 136°.17	2°.6/27.4 18		
1 22	11 14.41	+10 28.7	1.875	2.668	15.0	18.8
2 1	11 10.42	+11 32.6	1.799	2.678	11.6	18.6
2 11	11 4.04	+12 48.6	1.746	2.688	7.8	18.4
2 21	10 55.84	+14 9.7	1.719	2.697	3.9	18.2
3 2	10 46.71	+15 27.8	1.722	2.706	3.0	18.2
3 12	10 37.76	+16 35.0	1.753	2.715	6.6	18.4
3 22	10 29.99	+17 25.7	1.812	2.723	10.4	18.6
4 1	10 24.21	+17 57.2	1.894	2.730	13.8	18.9
409203 2003 WU_{16}			2 29.9 182°.31	0°.4/ 1.2 17		
1 22	11 15.61	+ 3 51.3	2.250	3.007	13.9	23.0
2 1	11 11.00	+ 4 15.8	2.153	3.008	11.0	22.8
2 11	11 4.29	+ 4 53.6	2.080	3.008	7.6	22.6
2 21	10 55.94	+ 5 41.8	2.033	3.008	3.8	22.4
3 2	10 46.71	+ 6 35.7	2.016	3.007	0.5	22.1
3 12	10 37.52	+ 7 29.4	2.030	3.005	4.4	22.4
3 22	10 29.25	+ 8 17.8	2.073	3.002	8.3	22.6
4 1	10 22.66	+ 8 56.7	2.142	2.999	11.6	22.8
264687 2001 YE_{138}			2 29.9 29°.95	6°.6/25.5 18		
1 22	11 18.54	+22 14.8	1.482	2.301	17.0	19.8
2 1	11 14.28	+22 54.4	1.421	2.310	13.5	19.6
2 11	11 6.92	+23 33.7	1.382	2.321	9.8	19.4
2 21	10 57.25	+24 3.7	1.367	2.332	7.0	19.2
3 2	10 46.56	+24 16.1	1.378	2.343	7.1	19.3
3 12	10 36.36	+24 5.5	1.414	2.356	10.0	19.5
3 22	10 27.94	+23 31.5	1.475	2.368	13.6	19.7
4 1	10 22.19	+22 36.7	1.557	2.382	16.8	19.9
494731 2005 UR_{74}			2 29.9 160°.39	1°.9/ 3.2 17		
1 22	11 13.44	− 1 55.4	2.757	3.480	12.4	22.6
2 1	11 8.84	− 1 40.5	2.661	3.489	10.0	22.5
2 11	11 2.56	− 1 11.9	2.587	3.498	7.3	22.3
2 21	10 55.03	− 0 31.2	2.542	3.505	4.3	22.1
3 2	10 46.84	+ 0 18.5	2.526	3.512	2.0	22.0
3 12	10 38.72	+ 1 13.0	2.541	3.517	3.6	22.1
3 22	10 31.35	+ 2 7.6	2.587	3.522	6.5	22.3
4 1	10 25.30	+ 2 57.9	2.661	3.526	9.4	22.5
308166 2005 BX_{19}			2 29.9 37°.14	1°.0/29.2 18		
1 22	11 17.52	+ 9 7.2	1.463	2.263	18.1	20.4
2 1	11 13.55	+ 9 8.3	1.386	2.266	14.3	20.2
2 11	11 6.55	+ 9 21.5	1.329	2.271	9.7	19.9
2 21	10 57.17	+ 9 42.1	1.296	2.275	4.6	19.6
3 2	10 46.56	+10 4.2	1.290	2.280	1.4	19.4
3 12	10 36.18	+10 21.0	1.310	2.285	6.4	19.8
3 22	10 27.36	+10 27.9	1.356	2.290	11.3	20.1
4 1	10 21.10	+10 22.1	1.425	2.296	15.6	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
161790 2006 UK_{261}			2 29.9 255°.81	0°.2/ 1.0 17		
	h m	° ′			°	m
1 22	11 9.94	+ 4 48.6	2.557	3.322	12.2	21.4
2 1	11 6.40	+ 5 10.8	2.450	3.310	9.7	21.2
2 11	11 1.09	+ 5 44.4	2.367	3.299	6.7	21.0
2 21	10 54.39	+ 6 26.6	2.310	3.287	3.3	20.7
3 2	10 46.92	+ 7 13.6	2.284	3.275	0.4	20.5
3 12	10 39.42	+ 8 0.5	2.287	3.262	4.0	20.7
3 22	10 32.63	+ 8 42.9	2.319	3.250	7.4	20.9
4 1	10 27.18	+ 9 17.0	2.378	3.237	10.5	21.1
235443 2003 YE_{132}			2 29.9 165°.91	0°.1/29.9 17		
1 22	11 14.43	+ 6 28.4	2.293	3.060	13.3	20.2
2 1	11 10.01	+ 6 28.6	2.200	3.061	10.6	20.0
2 11	11 3.56	+ 6 38.3	2.130	3.062	7.2	19.8
2 21	10 55.57	+ 6 55.0	2.086	3.063	3.5	19.6
3 2	10 46.78	+ 7 15.2	2.073	3.064	0.4	19.3
3 12	10 38.06	+ 7 34.6	2.089	3.064	4.3	19.6
3 22	10 30.27	+ 7 49.7	2.134	3.065	8.0	19.8
4 1	10 24.10	+ 7 57.5	2.205	3.065	11.2	20.0
505541 2013 YJ_{97}			2 29.9 331°.25	3°.6/26.1 17		
1 22	11 8.50	+14 21.4	2.021	2.829	13.5	20.9
2 1	11 5.81	+15 23.2	1.932	2.820	10.5	20.6
2 11	11 0.95	+16 33.7	1.868	2.812	7.1	20.4
2 21	10 54.40	+17 46.6	1.829	2.804	4.2	20.2
3 2	10 46.93	+18 54.3	1.819	2.797	4.1	20.2
3 12	10 39.49	+19 49.6	1.837	2.790	7.2	20.4
3 22	10 33.01	+20 27.8	1.881	2.783	10.6	20.6
4 1	10 28.26	+20 46.5	1.948	2.777	13.8	20.8
91251 1999 CN_{49}			2 29.9 352°.47	5°.5/26.6 18		
1 22	11 15.23	+17 3.6	1.199	2.032	19.3	18.6
2 1	11 12.57	+17 40.8	1.128	2.028	15.2	18.3
2 11	11 6.33	+18 25.6	1.076	2.024	10.6	18.1
2 21	10 57.22	+19 8.6	1.046	2.021	6.4	17.8
3 2	10 46.56	+19 39.1	1.040	2.019	6.1	17.8
3 12	10 36.16	+19 48.3	1.059	2.018	10.1	18.0
3 22	10 27.64	+19 32.6	1.099	2.018	14.9	18.3
4 1	10 22.17	+18 53.0	1.160	2.019	19.2	18.5
385896 2006 SN_{257}			2 29.9 161°.94	2°.4/ 3.9 17		
1 22	11 8.86	− 3 46.8	2.700	3.425	12.6	21.6
2 1	11 5.38	− 3 33.2	2.601	3.428	10.3	21.4
2 11	11 0.28	− 3 4.6	2.524	3.431	7.6	21.2
2 21	10 53.97	− 2 22.2	2.474	3.434	4.7	21.1
3 2	10 47.00	− 1 28.9	2.453	3.436	2.5	20.9
3 12	10 40.07	− 0 29.1	2.462	3.438	3.7	21.0
3 22	10 33.83	+ 0 32.2	2.500	3.440	6.5	21.2
4 1	10 28.86	+ 1 30.4	2.566	3.441	9.3	21.3
500260 2012 KF_{49}			2 29.9 338°.81	7°.5/ 7.1 18		
1 22	11 7.99	−11 23.7	1.595	2.323	19.8	20.5
2 1	11 6.07	−12 4.6	1.500	2.314	17.1	20.3
2 11	11 1.54	−12 19.1	1.422	2.306	13.9	20.1
2 21	10 54.85	−12 4.1	1.365	2.299	10.5	19.9
3 2	10 46.86	−11 19.4	1.331	2.292	7.9	19.7
3 12	10 38.80	−10 9.7	1.322	2.287	7.9	19.7
3 22	10 31.87	− 8 43.5	1.338	2.282	10.5	19.8
4 1	10 27.08	− 7 11.6	1.377	2.277	14.1	20.0
225194 2008 JO_{12}			2 29.9 215°.83	3°.6/26.0 17		
1 22	11 11.79	+13 38.5	2.054	2.854	13.6	21.0
2 1	11 8.34	+14 52.9	1.966	2.849	10.6	20.8
2 11	11 2.66	+16 17.4	1.902	2.845	7.2	20.6
2 21	10 55.23	+17 44.8	1.865	2.840	4.2	20.4
3 2	10 46.83	+19 7.1	1.857	2.834	4.2	20.4
3 12	10 38.46	+20 16.5	1.879	2.829	7.2	20.6
3 22	10 31.08	+21 7.7	1.927	2.823	10.7	20.8
4 1	10 25.48	+21 38.3	1.998	2.817	13.9	20.9
373937 2003 UM_{311}			2 29.9 58°.64	1°.1/28.9 18		
1 22	11 11.93	+ 7 54.1	1.898	2.688	15.0	20.8
2 1	11 8.35	+ 8 27.8	1.828	2.704	11.6	20.6
2 11	11 2.54	+ 9 13.4	1.780	2.720	7.8	20.4
2 21	10 55.10	+10 6.1	1.758	2.737	3.6	20.2
3 2	10 46.87	+10 59.5	1.764	2.753	1.4	20.0
3 12	10 38.88	+11 47.3	1.798	2.770	5.3	20.3
3 22	10 32.04	+12 24.5	1.860	2.787	9.2	20.6
4 1	10 27.05	+12 47.9	1.946	2.804	12.6	20.8
363322 2002 PB_{25}			2 29.9 216°.64	1°.1/28.7 17		
1 22	11 13.13	+ 6 42.8	2.130	2.906	14.0	22.0
2 1	11 9.31	+ 7 35.3	2.029	2.898	11.0	21.7
2 11	11 3.30	+ 8 42.3	1.951	2.889	7.4	21.5
2 21	10 55.55	+ 9 59.1	1.901	2.879	3.5	21.2
3 2	10 46.80	+11 19.1	1.880	2.869	1.5	21.1
3 12	10 38.00	+12 34.7	1.889	2.858	5.4	21.3
3 22	10 30.10	+13 39.8	1.926	2.847	9.3	21.5
4 1	10 23.91	+14 29.7	1.989	2.834	12.9	21.7

367764 2010 WP_7 2 29.9 43°.15 1°.4/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 13.25	+ 2 33.2	1.641	2.421	17.3	20.6
2 1	11 9.85	+ 2 33.4	1.561	2.427	13.9	20.4
2 11	11 3.86	+ 2 50.6	1.501	2.433	9.8	20.2
2 21	10 55.84	+ 3 22.3	1.465	2.439	5.1	19.9
3 2	10 46.77	+ 4 3.5	1.456	2.446	1.4	19.6
3 12	10 37.85	+ 4 47.5	1.475	2.453	5.2	19.9
3 22	10 30.22	+ 5 28.0	1.519	2.461	9.7	20.2
4 1	10 24.74	+ 5 59.5	1.588	2.468	13.7	20.5

466344 2013 RT_{40} 2 29.9 192°.21 2°.6/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 16.89	+14 31.3	2.435	3.216	12.3	21.7
2 1	11 11.86	+15 2.0	2.343	3.215	9.6	21.5
2 11	11 4.79	+15 38.0	2.275	3.212	6.5	21.3
2 21	10 56.17	+16 14.5	2.234	3.209	3.5	21.1
3 2	10 46.74	+16 46.5	2.225	3.206	3.0	21.1
3 12	10 37.39	+17 9.2	2.245	3.202	5.7	21.2
3 22	10 28.97	+17 19.8	2.294	3.197	8.9	21.4
4 1	10 22.17	+17 17.0	2.369	3.192	11.8	21.6

42342 2002 AU_{58} 2 29.9 199°.87 2°.7/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.70	+10 42.7	2.190	2.981	13.2	19.6
2 1	11 7.32	+12 1.0	2.100	2.979	10.2	19.4
2 11	11 1.88	+13 31.3	2.034	2.976	6.8	19.2
2 21	10 54.84	+15 7.1	1.996	2.973	3.6	19.0
3 2	10 46.91	+16 40.9	1.988	2.970	3.2	19.0
3 12	10 39.00	+18 4.6	2.010	2.966	6.3	19.2
3 22	10 31.98	+19 12.6	2.059	2.962	9.8	19.4
4 1	10 26.58	+20 1.5	2.133	2.958	12.9	19.6

429868 2012 SO_{18} 2 29.9 193°.10 1°.4/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.65	+10 55.8	2.561	3.337	11.9	21.2
2 1	11 9.20	+11 15.6	2.467	3.336	9.3	21.0
2 11	11 2.92	+11 42.2	2.397	3.335	6.2	20.8
2 21	10 55.26	+12 12.0	2.355	3.333	3.0	20.6
3 2	10 46.86	+12 40.9	2.343	3.331	1.7	20.5
3 12	10 38.54	+13 4.6	2.362	3.328	4.7	20.7
3 22	10 31.04	+13 20.0	2.409	3.326	7.9	20.9
4 1	10 24.99	+13 25.1	2.482	3.323	10.8	21.1

492435 2014 MJ_{25} 2 29.9 276°.54 1°.2/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.40	+ 7 2.9	1.477	2.278	17.9	22.0
2 1	11 10.60	+ 7 36.9	1.382	2.264	14.2	21.7
2 11	11 4.81	+ 8 29.1	1.307	2.250	9.7	21.4
2 21	10 56.51	+ 9 34.6	1.256	2.236	4.6	21.0
3 2	10 46.68	+10 45.3	1.232	2.222	1.7	20.8
3 12	10 36.74	+11 51.4	1.234	2.207	6.9	21.1
3 22	10 28.08	+12 44.3	1.261	2.193	12.2	21.3
4 1	10 21.89	+13 18.4	1.310	2.178	16.8	21.6

460642 2014 UR_{117} 2 29.9 171°.42 0°.9/29.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 15.98	+ 7 33.8	2.168	2.940	13.9	22.7
2 1	11 11.36	+ 8 7.6	2.078	2.944	10.9	22.5
2 11	11 4.56	+ 8 52.9	2.012	2.948	7.4	22.3
2 21	10 56.10	+ 9 45.5	1.973	2.951	3.5	22.1
3 2	10 46.76	+10 39.7	1.963	2.953	1.2	21.9
3 12	10 37.51	+11 29.6	1.984	2.954	5.0	22.2
3 22	10 29.26	+12 10.1	2.033	2.955	8.8	22.4
4 1	10 22.76	+12 38.1	2.107	2.954	12.2	22.6

35147 1993 FD_9 2 29.9 33°.67 11°.4/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 36.54	+35 4.3	1.315	2.113	19.9	17.9
2 1	11 28.46	+35 25.5	1.276	2.137	16.7	17.8
2 11	11 16.32	+35 30.0	1.256	2.162	13.6	17.7
2 21	11 1.54	+35 5.9	1.258	2.188	11.6	17.6
3 2	10 46.13	+34 6.4	1.286	2.215	11.7	17.7
3 12	10 32.25	+32 32.2	1.339	2.243	13.6	17.9
3 22	10 21.37	+30 31.1	1.415	2.272	16.3	18.1
4 1	10 14.22	+28 12.9	1.513	2.301	18.9	18.4

201342 2002 TR_{189} 2 29.9 135°.33 3°.7/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.72	− 6 17.2	2.525	3.235	13.7	19.7
2 1	11 7.72	− 6 28.8	2.431	3.243	11.4	19.6
2 11	11 1.93	− 6 24.3	2.358	3.251	8.7	19.4
2 21	10 54.79	− 6 4.1	2.311	3.259	5.9	19.2
3 2	10 46.94	− 5 30.1	2.292	3.266	3.8	19.1
3 12	10 39.15	− 4 46.0	2.303	3.273	4.5	19.2
3 22	10 32.16	− 3 56.7	2.342	3.279	7.0	19.3
4 1	10 26.58	− 3 7.1	2.408	3.286	9.7	19.5

415193 2012 GQ_{24} 2 29.9 344°.26 3°.6/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 16.18	+15 2.1	1.529	2.341	16.9	20.3
2 1	11 12.53	+15 22.5	1.448	2.336	13.3	20.0
2 11	11 5.90	+15 50.0	1.387	2.332	9.1	19.8
2 21	10 56.91	+16 18.1	1.351	2.328	4.9	19.5
3 2	10 46.66	+16 39.1	1.342	2.325	4.0	19.4
3 12	10 36.58	+16 46.6	1.359	2.322	7.9	19.7
3 22	10 27.97	+16 37.1	1.401	2.320	12.3	19.9
4 1	10 21.86	+16 9.9	1.465	2.318	16.2	20.1

163768 2003 PS_2 2 29.9 156°.05 2°.0/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 16.87	− 0 20.2	2.204	2.943	14.7	21.2
2 1	11 11.97	− 0 14.7	2.113	2.952	11.9	21.0
2 11	11 4.94	+ 0 6.2	2.045	2.961	8.5	20.8
2 21	10 56.27	+ 0 40.5	2.002	2.969	4.8	20.6
3 2	10 46.76	+ 1 24.7	1.989	2.977	2.0	20.4
3 12	10 37.34	+ 2 13.7	2.006	2.983	4.3	20.6
3 22	10 28.92	+ 3 1.9	2.053	2.988	7.9	20.8
4 1	10 22.23	+ 3 44.6	2.126	2.993	11.3	21.0

348584 2005 WF_{106} 2 29.9 0°.43 23°.9/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.09	−32 34.2	1.137	1.773	30.7	18.8
2 1	11 6.31	−36 11.3	1.076	1.768	29.4	18.7
2 11	11 2.84	−39 11.4	1.025	1.765	28.1	18.5
2 21	10 55.96	−41 21.2	0.984	1.765	26.6	18.4
3 2	10 46.73	−42 28.1	0.955	1.766	25.3	18.3
3 12	10 37.11	−42 26.3	0.938	1.770	24.4	18.2
3 22	10 29.21	−41 18.8	0.933	1.775	23.9	18.2
4 1	10 24.85	−39 16.7	0.941	1.783	24.0	18.2

98588 2000 WK_{50} 2 29.9 72°.06 4°.3/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.18	+12 11.7	1.483	2.299	17.1	19.3
2 1	11 9.30	+13 45.1	1.419	2.311	13.2	19.0
2 11	11 3.60	+15 32.4	1.377	2.324	8.9	18.8
2 21	10 55.75	+17 23.4	1.360	2.336	5.0	18.6
3 2	10 46.82	+19 6.1	1.370	2.349	5.0	18.7
3 12	10 38.16	+20 29.8	1.407	2.361	8.7	18.9
3 22	10 30.97	+21 28.0	1.469	2.374	12.8	19.2
4 1	10 26.14	+21 59.0	1.553	2.387	16.4	19.4

458937 2011 UK_{323} 2 29.9 158°.08 0°.5/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 16.64	+ 3 21.4	2.034	2.793	15.1	22.7
2 1	11 11.99	+ 3 45.5	1.946	2.802	12.0	22.5
2 11	11 5.05	+ 4 24.5	1.880	2.810	8.3	22.3
2 21	10 56.36	+ 5 15.0	1.841	2.816	4.1	22.0
3 2	10 46.75	+ 6 11.9	1.832	2.823	0.6	21.8
3 12	10 37.25	+ 7 8.7	1.852	2.828	4.7	22.1
3 22	10 28.84	+ 7 59.5	1.901	2.832	8.8	22.4
4 1	10 22.29	+ 8 39.9	1.975	2.836	12.3	22.6

319595 2006 SZ_{178} 2 29.9 158°.35 0°.1/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.22	+ 5 34.1	2.918	3.678	11.0	22.0
2 1	11 6.28	+ 6 2.5	2.826	3.684	8.6	21.9
2 11	11 0.81	+ 6 40.2	2.757	3.689	5.8	21.7
2 21	10 54.21	+ 7 24.5	2.717	3.694	2.8	21.5
3 2	10 47.03	+ 8 11.6	2.708	3.699	0.4	21.3
3 12	10 39.92	+ 8 57.3	2.729	3.703	3.6	21.6
3 22	10 33.48	+ 9 38.0	2.781	3.707	6.6	21.8
4 1	10 28.24	+10 10.8	2.859	3.710	9.2	21.9

202123 2004 TC_{131} 2 29.9 177°.41 1°.1/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 15.82	+ 1 48.2	1.971	2.729	15.6	21.3
2 1	11 11.50	+ 2 7.9	1.878	2.731	12.5	21.1
2 11	11 4.82	+ 2 44.2	1.807	2.733	8.8	20.9
2 21	10 56.30	+ 3 34.2	1.761	2.734	4.6	20.6
3 2	10 46.77	+ 4 33.0	1.744	2.734	1.1	20.4
3 12	10 37.28	+ 5 34.1	1.757	2.734	4.7	20.6
3 22	10 28.86	+ 6 30.9	1.798	2.733	8.9	20.9
4 1	10 22.33	+ 7 18.1	1.865	2.731	12.7	21.1

415869 2001 SD_{268} 2 29.9 115°.78 0°.2/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.60	+ 3 35.6	2.335	3.091	13.5	22.3
2 1	11 9.94	+ 4 10.4	2.260	3.114	10.6	22.1
2 11	11 3.39	+ 4 57.9	2.208	3.137	7.2	21.9
2 21	10 55.47	+ 5 54.7	2.183	3.159	3.5	21.7
3 2	10 46.89	+ 6 55.6	2.189	3.180	0.4	21.5
3 12	10 38.52	+ 7 55.0	2.225	3.200	4.1	21.8
3 22	10 31.12	+ 8 47.9	2.291	3.219	7.6	22.1
4 1	10 25.31	+ 9 30.7	2.383	3.238	10.7	22.3

386839 2010 JK_{85} 2 29.9 253°.00 3°.6/25.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.12	+16 10.5	2.435	3.233	11.8	21.4
2 1	11 6.70	+17 13.8	2.344	3.226	9.2	21.2
2 11	11 1.38	+18 23.2	2.277	3.218	6.3	21.0
2 21	10 54.59	+19 32.9	2.238	3.210	4.0	20.8
3 2	10 47.00	+20 36.5	2.229	3.201	4.1	20.8
3 12	10 39.43	+21 28.3	2.249	3.193	6.6	21.0
3 22	10 32.67	+22 4.3	2.296	3.184	9.6	21.1
4 1	10 27.39	+22 22.8	2.367	3.176	12.3	21.3

53579 2000 CN_{48} 2 29.9 241°.05 3°.8/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.68	− 3 41.9	1.695	2.443	18.1	19.4
2 1	11 11.22	− 3 52.7	1.592	2.432	15.0	19.2
2 11	11 5.04	− 3 41.9	1.508	2.421	11.3	18.9
2 21	10 56.58	− 3 9.3	1.447	2.408	7.1	18.6
3 2	10 46.73	− 2 17.6	1.413	2.396	4.0	18.4
3 12	10 36.72	− 1 12.9	1.406	2.383	5.7	18.5
3 22	10 27.82	− 0 3.4	1.426	2.369	10.0	18.7
4 1	10 21.08	+ 1 2.5	1.471	2.356	14.3	18.9

413986 2007 EY_{57} 2 29.9 20°.71 4°.0/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 4.89	+ 9 20.0	1.267	2.099	18.5	19.4
2 1	11 3.99	+11 8.6	1.207	2.109	14.3	19.1
2 11	11 0.21	+13 17.4	1.168	2.120	9.4	18.9
2 21	10 54.20	+15 34.6	1.153	2.132	5.0	18.7
3 2	10 47.06	+17 45.4	1.163	2.145	4.9	18.7
3 12	10 40.19	+19 35.9	1.200	2.160	9.1	19.0
3 22	10 34.81	+20 57.2	1.260	2.175	13.6	19.3
4 1	10 31.84	+21 46.2	1.340	2.192	17.5	19.6

166845 2002 VT_{125} 2 29.9 135°.65 3°.2/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.22	+16 32.1	2.503	3.292	11.8	20.7
2 1	11 9.66	+17 10.0	2.424	3.300	9.1	20.5
2 11	11 3.22	+17 51.6	2.369	3.308	6.3	20.4
2 21	10 55.41	+18 32.0	2.343	3.315	3.7	20.2
3 2	10 46.92	+19 6.0	2.346	3.322	3.5	20.2
3 12	10 38.59	+19 29.3	2.379	3.329	6.0	20.4
3 22	10 31.17	+19 39.4	2.440	3.335	8.8	20.6
4 1	10 25.30	+19 35.5	2.526	3.342	11.4	20.7

85661 1998 QY_{36} 2 29.9 171°.94 2°.3/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 15.66	− 1 30.4	1.833	2.583	16.8	19.9
2 1	11 11.57	− 1 15.7	1.742	2.587	13.7	19.7
2 11	11 4.98	− 0 40.8	1.671	2.590	9.9	19.4
2 21	10 56.42	+ 0 12.2	1.625	2.592	5.7	19.2
3 2	10 46.78	+ 1 18.8	1.606	2.594	2.3	19.0
3 12	10 37.18	+ 2 31.7	1.617	2.595	4.9	19.1
3 22	10 28.73	+ 3 43.1	1.656	2.595	9.2	19.4
4 1	10 22.30	+ 4 46.1	1.720	2.595	13.1	19.6

403010 2007 VS_{312} 2 29.9 89°.87 4°.8/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 16.35	+16 33.7	1.620	2.431	16.2	21.3
2 1	11 12.34	+17 36.5	1.555	2.442	12.6	21.1
2 11	11 5.55	+18 46.1	1.511	2.454	8.7	20.9
2 21	10 56.66	+19 53.8	1.493	2.466	5.4	20.8
3 2	10 46.76	+20 50.4	1.503	2.477	5.4	20.8
3 12	10 37.17	+21 28.4	1.539	2.488	8.6	21.0
3 22	10 29.07	+21 44.3	1.601	2.499	12.4	21.2
4 1	10 23.33	+21 38.0	1.684	2.510	15.7	21.5

190064 2004 RU_{320} 2 29.9 286°.54 4°.1/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.35	− 4 36.3	1.916	2.656	16.5	20.4
2 1	11 8.26	− 4 53.4	1.809	2.643	13.8	20.2
2 11	11 2.80	− 4 51.3	1.723	2.630	10.5	19.9
2 21	10 55.43	− 4 29.6	1.661	2.617	6.9	19.7
3 2	10 46.90	− 3 50.1	1.625	2.604	4.2	19.5
3 12	10 38.25	− 2 57.8	1.616	2.591	5.4	19.6
3 22	10 30.53	− 1 59.1	1.635	2.578	9.0	19.7
4 1	10 24.65	− 1 1.2	1.679	2.565	12.7	19.9

93773 2000 WL_{25} 2 29.9 193°.87 2°.3/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.09	− 1 18.6	2.128	2.875	14.9	20.3
2 1	11 8.43	− 1 15.5	2.031	2.874	12.1	20.1
2 11	11 2.66	− 0 55.9	1.956	2.873	8.8	19.8
2 21	10 55.25	− 0 21.2	1.906	2.872	5.2	19.6
3 2	10 46.94	+ 0 25.2	1.884	2.870	2.4	19.4
3 12	10 38.64	+ 1 18.1	1.891	2.869	4.4	19.6
3 22	10 31.26	+ 2 11.6	1.927	2.867	8.1	19.8
4 1	10 25.55	+ 3 0.2	1.988	2.865	11.5	20.0

490823 2010 VK_{164} 2 29.9 151°.71 7°.7/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 19.33	+28 21.6	2.110	2.908	13.3	21.5
2 1	11 14.23	+29 42.8	2.047	2.916	10.9	21.4
2 11	11 6.61	+31 0.4	2.008	2.923	8.7	21.2
2 21	10 57.11	+32 5.5	1.996	2.930	7.7	21.2
3 2	10 46.71	+32 50.1	2.011	2.936	8.4	21.2
3 12	10 36.58	+33 9.3	2.053	2.941	10.4	21.4
3 22	10 27.77	+33 2.6	2.119	2.946	12.8	21.5
4 1	10 21.10	+32 32.0	2.207	2.951	15.0	21.7

332944 2011 DK_{24} 2 29.9 48°.54 4°.2/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.10	+15 31.6	1.732	2.543	15.3	20.6
2 1	11 9.66	+16 29.3	1.661	2.549	11.9	20.4
2 11	11 3.68	+17 34.6	1.612	2.556	8.1	20.1
2 21	10 55.76	+18 39.7	1.589	2.563	4.9	20.0
3 2	10 46.88	+19 36.3	1.594	2.571	4.8	20.0
3 12	10 38.22	+20 17.1	1.626	2.578	7.9	20.2
3 22	10 30.85	+20 38.2	1.683	2.586	11.6	20.4
4 1	10 25.61	+20 38.6	1.763	2.594	14.9	20.6

229176 2004 TW_{157} 2 29.9 261°.30 2°.1/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.92	− 0 14.8	2.099	2.852	14.9	20.7
2 1	11 8.43	− 0 13.0	1.993	2.840	12.1	20.5
2 11	11 2.77	+ 0 4.9	1.908	2.829	8.8	20.3
2 21	10 55.36	+ 0 37.4	1.848	2.817	5.0	20.0
3 2	10 46.92	+ 1 21.4	1.817	2.804	2.1	19.8
3 12	10 38.42	+ 2 11.6	1.814	2.792	4.5	19.9
3 22	10 30.78	+ 3 2.2	1.840	2.779	8.4	20.1
4 1	10 24.82	+ 3 47.5	1.890	2.767	12.0	20.3

197603 2004 JF_{8} 2 29.9 188°.88 1°.1/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 15.74	+ 1 14.1	1.877	2.636	16.2	22.0
2 1	11 11.62	+ 1 38.8	1.782	2.635	13.0	21.8
2 11	11 5.02	+ 2 21.9	1.708	2.634	9.2	21.6
2 21	10 56.46	+ 3 20.6	1.659	2.632	4.8	21.3
3 2	10 46.79	+ 4 29.4	1.639	2.630	1.1	21.0
3 12	10 37.12	+ 5 40.9	1.649	2.626	4.9	21.3
3 22	10 28.55	+ 6 47.8	1.686	2.622	9.4	21.5
4 1	10 21.96	+ 7 43.8	1.749	2.616	13.3	21.8

307945 2004 FS_{86} 2 29.9 155°.27 3°.2/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.68	+12 0.6	1.929	2.727	14.4	20.7
2 1	11 9.11	+13 12.8	1.849	2.731	11.2	20.5
2 11	11 3.22	+14 36.1	1.792	2.735	7.5	20.3
2 21	10 55.54	+16 3.5	1.762	2.738	4.0	20.1
3 2	10 46.91	+17 26.6	1.761	2.742	3.7	20.1
3 12	10 38.39	+18 37.2	1.788	2.744	7.0	20.3
3 22	10 30.96	+19 29.9	1.843	2.747	10.7	20.5
4 1	10 25.43	+20 2.2	1.921	2.749	14.0	20.7

378870 2008 TB_{113} 2 29.9 199°.58 1°.9/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.55	+10 47.9	2.231	3.017	13.1	22.0
2 1	11 8.68	+11 25.0	2.141	3.016	10.2	21.8
2 11	11 2.76	+12 11.1	2.074	3.014	6.9	21.6
2 21	10 55.28	+13 1.7	2.034	3.012	3.4	21.4
3 2	10 46.95	+13 50.9	2.024	3.010	2.2	21.3
3 12	10 38.69	+14 33.3	2.043	3.008	5.5	21.5
3 22	10 31.35	+15 4.5	2.090	3.005	9.0	21.7
4 1	10 25.64	+15 21.9	2.161	3.003	12.1	21.9

87507 2000 QY_{175} 2 29.9 62°.76 1°.6/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.78	− 0 7.1	1.387	2.171	19.8	19.0
2 1	11 9.80	+ 0 22.3	1.323	2.190	15.8	18.8
2 11	11 3.95	+ 1 16.0	1.278	2.209	11.1	18.5
2 21	10 55.94	+ 2 29.8	1.255	2.229	5.9	18.3
3 2	10 46.88	+ 3 55.6	1.259	2.249	1.6	18.1
3 12	10 38.15	+ 5 22.9	1.289	2.269	5.6	18.4
3 22	10 30.98	+ 6 41.9	1.346	2.289	10.5	18.7
4 1	10 26.23	+ 7 45.5	1.425	2.309	14.8	19.0

240315 2003 HV 2 29.9 263°.51 2°.3/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.10	+ 9 37.6	1.623	2.424	16.6	21.2
2 1	11 10.91	+10 24.4	1.526	2.409	13.1	20.9
2 11	11 4.91	+11 26.6	1.450	2.394	8.9	20.6
2 21	10 56.55	+12 38.3	1.399	2.378	4.3	20.3
3 2	10 46.78	+13 50.9	1.375	2.362	2.8	20.2
3 12	10 36.89	+14 55.1	1.379	2.346	7.2	20.4
3 22	10 28.19	+15 43.2	1.408	2.330	12.0	20.6
4 1	10 21.77	+16 11.2	1.460	2.314	16.3	20.8

307490 2002 XU_{79} 2 29.9 119°.32 5°.0/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 16.70	+19 11.2	2.048	2.848	13.6	20.0
2 1	11 12.01	+20 21.9	1.984	2.864	10.6	19.8
2 11	11 5.02	+21 35.9	1.944	2.880	7.5	19.7
2 21	10 56.33	+22 45.4	1.931	2.896	5.2	19.6
3 2	10 46.83	+23 42.7	1.947	2.911	5.6	19.6
3 12	10 37.61	+24 22.0	1.992	2.925	8.1	19.8
3 22	10 29.61	+24 40.7	2.062	2.939	11.0	20.0
4 1	10 23.57	+24 38.9	2.156	2.952	13.7	20.2

312003 2007 PM_{15} 2 29.9 93°.96 0°.3/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 24.02	+ 6 26.6	1.759	2.525	16.9	20.8
2 1	11 17.80	+ 6 18.8	1.693	2.552	13.3	20.7
2 11	11 8.95	+ 6 22.6	1.648	2.580	9.1	20.5
2 21	10 58.19	+ 6 34.7	1.630	2.606	4.4	20.2
3 2	10 46.61	+ 6 50.6	1.641	2.632	0.5	20.0
3 12	10 35.48	+ 7 5.4	1.682	2.658	5.1	20.4
3 22	10 25.90	+ 7 15.1	1.751	2.682	9.4	20.7
4 1	10 18.65	+ 7 16.7	1.846	2.706	13.0	21.0

425781 2011 CM_{58} 2 29.9 50°.32 0°.9/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.61	+ 5 59.6	1.670	2.465	16.5	20.9
2 1	11 7.71	+ 6 46.3	1.598	2.477	12.9	20.6
2 11	11 2.35	+ 7 49.4	1.548	2.489	8.7	20.4
2 21	10 55.13	+ 9 3.1	1.523	2.502	4.0	20.2
3 2	10 46.99	+10 19.7	1.525	2.515	1.3	20.0
3 12	10 39.06	+11 30.5	1.554	2.528	5.8	20.3
3 22	10 32.36	+12 28.6	1.611	2.541	10.1	20.6
4 1	10 27.71	+13 9.9	1.690	2.555	13.9	20.9

84334 2002 TP_{53} 2 29.9 59°.11 8°.3/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 16.25	+30 38.2	2.055	2.859	13.4	18.7
2 1	11 11.83	+31 56.4	2.004	2.873	11.1	18.6
2 11	11 4.96	+33 8.2	1.977	2.887	9.1	18.5
2 21	10 56.30	+34 5.0	1.975	2.901	8.3	18.5
3 2	10 46.85	+34 39.6	2.000	2.915	9.0	18.5
3 12	10 37.78	+34 48.0	2.050	2.930	10.8	18.7
3 22	10 30.07	+34 30.2	2.124	2.944	13.0	18.8
4 1	10 24.47	+33 49.1	2.218	2.958	15.1	19.0

377327 2004 NE_{16} 2 29.9 249°96 2°3/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 13.97	− 1 15.7	2.402	3.136	13.7	22.2
2 1	11 9.84	− 1 14.3	2.280	3.115	11.2	22.0
2 11	11 3.65	− 0 58.0	2.180	3.093	8.2	21.7
2 21	10 55.79	− 0 27.8	2.106	3.071	4.9	21.5
3 2	10 46.90	+ 0 13.8	2.061	3.047	2.3	21.2
3 12	10 37.83	+ 1 2.5	2.047	3.023	4.2	21.3
3 22	10 29.46	+ 1 53.1	2.062	2.999	7.8	21.5
4 1	10 22.58	+ 2 40.3	2.103	2.973	11.3	21.7

465403 2008 HK_{19} 2 29.9 214°91 0°7/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.78	+ 7 8.9	1.952	2.733	14.9	21.9
2 1	11 9.97	+ 7 34.5	1.859	2.730	11.7	21.6
2 11	11 3.84	+ 8 12.9	1.789	2.727	8.0	21.4
2 21	10 55.87	+ 8 59.9	1.745	2.723	3.8	21.1
3 2	10 46.90	+ 9 50.0	1.729	2.720	1.1	20.9
3 12	10 37.96	+10 36.6	1.743	2.716	5.3	21.2
3 22	10 30.07	+11 14.3	1.783	2.711	9.5	21.4
4 1	10 24.06	+11 39.3	1.848	2.707	13.1	21.7

380520 2004 FV_{125} 2 29.9 32°38 3°5/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.56	− 6 21.3	1.650	2.403	18.3	20.4
2 1	11 4.50	− 5 51.5	1.582	2.424	15.0	20.3
2 11	11 0.13	− 4 55.2	1.533	2.446	11.1	20.1
2 21	10 54.05	− 3 35.1	1.508	2.468	6.9	19.9
3 2	10 47.14	− 1 57.3	1.508	2.491	3.7	19.7
3 12	10 40.48	− 0 11.3	1.536	2.515	5.0	19.9
3 22	10 35.01	+ 1 32.9	1.592	2.540	8.7	20.1
4 1	10 31.46	+ 3 6.6	1.672	2.565	12.4	20.4

337528 2001 SB_{178} 2 29.9 184°65 0°1/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.88	+ 5 38.7	3.089	3.844	10.5	22.5
2 1	11 6.75	+ 6 4.9	2.988	3.844	8.3	22.4
2 11	11 1.13	+ 6 39.9	2.913	3.844	5.6	22.2
2 21	10 54.41	+ 7 21.3	2.866	3.843	2.7	22.0
3 2	10 47.10	+ 8 5.4	2.850	3.841	0.4	21.8
3 12	10 39.82	+ 8 48.5	2.866	3.839	3.4	22.0
3 22	10 33.16	+ 9 27.1	2.911	3.836	6.3	22.2
4 1	10 27.63	+ 9 58.3	2.984	3.833	8.9	22.4

102696 1999 VA_{81} 2 29.9 188°86 1°5/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.76	+ 8 27.3	2.110	2.889	14.0	20.6
2 1	11 10.56	+ 9 12.7	2.018	2.888	11.0	20.4
2 11	11 4.14	+10 10.1	1.949	2.887	7.4	20.2
2 21	10 55.99	+11 14.8	1.907	2.885	3.5	19.9
3 2	10 46.89	+12 20.3	1.894	2.882	1.8	19.8
3 12	10 37.84	+13 19.8	1.911	2.879	5.5	20.0
3 22	10 29.77	+14 7.9	1.957	2.875	9.3	20.3
4 1	10 23.47	+14 41.3	2.027	2.871	12.8	20.5

376415 2012 GB_{13} 2 29.9 218°65 4°7/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 18.96	+21 31.7	2.464	3.251	12.0	21.6
2 1	11 13.61	+22 17.3	2.370	3.242	9.5	21.5
2 11	11 6.09	+23 4.1	2.301	3.231	6.9	21.3
2 21	10 56.90	+23 46.1	2.259	3.220	5.0	21.1
3 2	10 46.79	+24 17.2	2.248	3.208	5.2	21.1
3 12	10 36.73	+24 32.6	2.266	3.196	7.5	21.2
3 22	10 27.65	+24 30.3	2.312	3.183	10.2	21.4
4 1	10 20.29	+24 10.4	2.382	3.169	12.9	21.5

264678 2001 YG_{34} 2 29.9 101°96 2°4/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.37	+11 30.7	1.923	2.716	14.6	20.6
2 1	11 10.32	+12 14.5	1.849	2.728	11.4	20.4
2 11	11 3.97	+13 7.8	1.797	2.739	7.6	20.2
2 21	10 55.87	+14 4.7	1.773	2.750	3.8	20.0
3 2	10 46.93	+14 58.4	1.776	2.762	2.8	19.9
3 12	10 38.20	+15 42.3	1.809	2.772	6.2	20.2
3 22	10 30.63	+16 12.0	1.869	2.783	10.0	20.4
4 1	10 25.00	+16 25.6	1.952	2.794	13.3	20.7

301042 2008 TX_{38} 2 29.9 257°76 3°6/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.08	− 3 0.7	1.631	2.387	18.4	22.5
2 1	11 10.94	− 3 7.5	1.525	2.371	15.3	22.2
2 11	11 4.98	− 2 52.1	1.438	2.355	11.4	22.0
2 21	10 56.64	− 2 14.4	1.375	2.339	7.1	21.7
3 2	10 46.80	− 1 17.2	1.337	2.322	3.7	21.4
3 12	10 36.74	− 0 7.2	1.327	2.304	5.8	21.5
3 22	10 27.77	+ 1 6.8	1.342	2.287	10.4	21.7
4 1	10 21.02	+ 2 15.9	1.382	2.269	15.0	21.9

502309 2015 BC_{151} 2 29.9 124°26 2°9/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.11	+13 8.7	2.173	2.968	13.1	21.7
2 1	11 8.36	+14 3.9	2.094	2.974	10.2	21.5
2 11	11 2.54	+15 7.2	2.039	2.981	6.8	21.3
2 21	10 55.18	+16 12.5	2.011	2.987	3.7	21.1
3 2	10 47.02	+17 13.4	2.012	2.993	3.3	21.1
3 12	10 38.99	+18 3.5	2.043	2.999	6.2	21.3
3 22	10 31.95	+18 38.9	2.100	3.005	9.6	21.5
4 1	10 26.59	+18 57.6	2.182	3.010	12.5	21.7

342938 2009 AX_{23} 2 29.9 217°36 3°0/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 11.39	− 3 32.1	2.479	3.206	13.5	21.3
2 1	11 7.60	− 3 41.5	2.375	3.202	11.1	21.1
2 11	11 1.97	− 3 36.1	2.293	3.198	8.3	20.9
2 21	10 54.91	− 3 16.5	2.237	3.194	5.3	20.7
3 2	10 47.05	− 2 44.7	2.210	3.190	3.1	20.6
3 12	10 39.19	− 2 4.6	2.212	3.186	4.2	20.6
3 22	10 32.08	− 1 20.7	2.242	3.182	7.1	20.8
4 1	10 26.38	− 0 38.0	2.300	3.177	10.2	21.0

253091 2002 TZ_{251} 2 29.9 174°67 2°9/27.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 18.11	+14 29.1	2.298	3.080	12.9	22.4
2 1	11 12.94	+15 7.9	2.211	3.083	10.1	22.2
2 11	11 5.61	+15 52.6	2.148	3.086	6.8	22.0
2 21	10 56.65	+16 38.0	2.114	3.088	3.7	21.8
3 2	10 46.85	+17 18.1	2.109	3.089	3.2	21.8
3 12	10 37.16	+17 47.8	2.134	3.090	6.1	22.0
3 22	10 28.49	+18 3.9	2.188	3.090	9.4	22.2
4 1	10 21.58	+18 5.1	2.267	3.089	12.3	22.4

508383 2016 FH_{62} 2 29.9 199°73 3°5/24.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.81	+18 46.1	3.176	3.965	9.5	22.4
2 1	11 6.77	+19 52.8	3.085	3.960	7.4	22.3
2 11	11 1.20	+21 2.8	3.021	3.955	5.2	22.1
2 21	10 54.47	+22 11.0	2.986	3.950	3.7	22.0
3 2	10 47.12	+23 12.5	2.981	3.943	4.0	22.0
3 12	10 39.78	+24 3.0	3.008	3.937	5.9	22.1
3 22	10 33.06	+24 39.6	3.062	3.929	8.1	22.3
4 1	10 27.50	+25 1.1	3.141	3.921	10.2	22.4

8308 Julie–Mélissa 2 29.9 216°65 0°6/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.73	+ 2 44.2	1.887	2.654	15.8	19.2
2 1	11 10.89	+ 3 9.8	1.787	2.647	12.7	18.9
2 11	11 4.60	+ 3 52.8	1.709	2.639	8.9	18.7
2 21	10 56.31	+ 4 50.0	1.656	2.631	4.5	18.4
3 2	10 46.87	+ 5 56.1	1.631	2.622	0.7	18.1
3 12	10 37.38	+ 7 3.7	1.636	2.612	5.1	18.4
3 22	10 28.92	+ 8 5.6	1.668	2.602	9.5	18.6
4 1	10 22.41	+ 8 56.0	1.725	2.591	13.5	18.8

403844 2011 UX_{282} 2 29.9 210°13 5°9/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 17.84	+19 55.2	1.816	2.622	14.9	21.8
2 1	11 13.52	+21 8.4	1.734	2.617	11.8	21.6
2 11	11 6.46	+22 26.7	1.675	2.611	8.5	21.4
2 21	10 57.21	+23 41.2	1.642	2.605	6.1	21.2
3 2	10 46.77	+24 42.2	1.636	2.599	6.6	21.2
3 12	10 36.41	+25 22.1	1.659	2.592	9.5	21.4
3 22	10 27.34	+25 37.5	1.706	2.584	12.9	21.6
4 1	10 20.54	+25 28.4	1.776	2.576	16.1	21.8

496473 2014 SE_{207} 2 29.9 76°72 2°9/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.10	− 3 40.4	1.793	2.544	17.1	21.2
2 1	11 7.94	− 3 22.4	1.714	2.558	14.0	21.0
2 11	11 2.45	− 2 42.3	1.655	2.571	10.2	20.8
2 21	10 55.19	− 1 42.2	1.621	2.585	6.1	20.6
3 2	10 47.03	− 0 27.0	1.613	2.598	3.0	20.4
3 12	10 39.04	+ 0 55.5	1.633	2.612	4.8	20.6
3 22	10 32.19	+ 2 17.0	1.681	2.625	8.7	20.8
4 1	10 27.26	+ 3 30.3	1.754	2.638	12.4	21.1

409906 2006 TE_{35} 2 29.9 127°22 2°9/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.72	− 4 28.4	2.315	3.034	14.5	23.7
2 1	11 10.15	− 4 16.4	2.231	3.054	11.9	23.5
2 11	11 3.62	− 3 46.7	2.169	3.072	8.8	23.3
2 21	10 55.66	− 3 1.0	2.132	3.090	5.5	23.1
3 2	10 46.98	− 2 2.7	2.125	3.107	3.0	23.0
3 12	10 38.46	− 0 57.3	2.149	3.124	4.2	23.1
3 22	10 30.89	+ 0 9.4	2.201	3.139	7.3	23.3
4 1	10 24.92	+ 1 11.6	2.281	3.154	10.4	23.5

432277 2009 SV_{132} 2 29.9 90°08 2°9/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.79	+13 19.0	1.910	2.707	14.6	21.8
2 1	11 10.68	+14 1.2	1.837	2.719	11.3	21.6
2 11	11 4.22	+14 51.3	1.788	2.730	7.6	21.4
2 21	10 56.01	+15 43.1	1.765	2.741	4.0	21.2
3 2	10 46.95	+16 29.8	1.770	2.752	3.4	21.2
3 12	10 38.11	+17 5.1	1.803	2.763	6.6	21.4
3 22	10 30.49	+17 25.5	1.864	2.774	10.2	21.6
4 1	10 24.82	+17 29.2	1.948	2.785	13.4	21.9

162954 2001 QB_{93} 2 29.9 95°68 5°0/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.48	−12 11.9	2.505	3.185	14.5	19.9
2 1	11 6.02	−12 13.6	2.416	3.200	12.3	19.8
2 11	11 0.81	−11 55.1	2.348	3.215	9.8	19.6
2 21	10 54.32	−11 16.5	2.303	3.230	7.2	19.5
3 2	10 47.16	−10 19.6	2.286	3.245	5.3	19.4
3 12	10 40.11	− 9 8.9	2.298	3.259	5.2	19.4
3 22	10 33.87	− 7 50.2	2.338	3.273	7.1	19.5
4 1	10 29.02	− 6 30.0	2.405	3.287	9.6	19.7

205265 2000 SB_{38} 2 29.9 170°.43 0°.2/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 14.35	+ 4 21.3	1.880	2.654	15.7	20.8
2 1	11 10.49	+ 5 3.0	1.792	2.657	12.4	20.6
2 11	11 4.23	+ 6 1.4	1.726	2.660	8.5	20.4
2 21	10 56.09	+ 7 12.1	1.685	2.662	4.1	20.1
3 2	10 46.95	+ 8 28.4	1.673	2.664	0.7	19.9
3 12	10 37.87	+ 9 42.3	1.691	2.665	5.3	20.2
3 22	10 29.90	+10 46.8	1.736	2.666	9.6	20.5
4 1	10 23.87	+11 36.8	1.806	2.666	13.3	20.7

35941 1999 JT_{129} 2 29.9 186°.33 0°.8/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.26	+ 5 38.8	2.391	3.160	12.8	19.6
2 1	11 7.56	+ 6 35.1	2.295	3.160	10.1	19.5
2 11	11 1.97	+ 7 44.8	2.224	3.159	6.8	19.2
2 21	10 54.93	+ 9 3.6	2.180	3.158	3.2	19.0
3 2	10 47.09	+10 25.6	2.166	3.156	1.1	18.8
3 12	10 39.28	+11 44.2	2.184	3.154	4.7	19.1
3 22	10 32.27	+12 53.5	2.230	3.151	8.2	19.3
4 1	10 26.74	+13 49.5	2.302	3.148	11.3	19.5

265598 2005 RP_{20} 2 29.9 94°.54 3°.7/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 17.69	− 2 9.8	1.907	2.646	16.6	20.7
2 1	11 12.99	− 2 47.1	1.822	2.657	13.7	20.5
2 11	11 5.86	− 3 8.4	1.758	2.667	10.2	20.3
2 21	10 56.86	− 3 13.8	1.718	2.677	6.4	20.1
3 2	10 46.87	− 3 4.9	1.706	2.687	3.8	20.0
3 12	10 37.02	− 2 45.5	1.723	2.697	5.2	20.1
3 22	10 28.34	− 2 20.8	1.768	2.707	8.7	20.3
4 1	10 21.65	− 1 55.9	1.838	2.717	12.2	20.5

5682 Beresford 2 29.9 162°.28 3°.0/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 15.73	− 4 47.3	2.221	2.940	15.1	18.6
2 1	11 11.15	− 4 33.7	2.126	2.949	12.4	18.4
2 11	11 4.46	− 4 1.1	2.053	2.957	9.2	18.2
2 21	10 56.15	− 3 10.8	2.005	2.963	5.8	18.0
3 2	10 46.97	− 2 6.3	1.987	2.969	3.1	17.9
3 12	10 37.85	− 0 53.3	1.998	2.974	4.5	18.0
3 22	10 29.68	+ 0 21.4	2.039	2.977	7.8	18.2
4 1	10 23.21	+ 1 31.5	2.108	2.980	11.2	18.4

133968 2004 TA_{203} 2 29.9 81°.64 3°.0/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 18.28	+12 10.4	1.498	2.302	17.6	20.1
2 1	11 13.96	+12 49.1	1.434	2.319	13.7	19.9
2 11	11 6.72	+13 38.3	1.392	2.336	9.2	19.7
2 21	10 57.29	+14 30.7	1.375	2.353	4.6	19.5
3 2	10 46.84	+15 17.9	1.384	2.370	3.4	19.4
3 12	10 36.78	+15 52.2	1.421	2.386	7.4	19.7
3 22	10 28.36	+16 9.4	1.484	2.403	11.7	20.0
4 1	10 22.45	+16 8.1	1.568	2.419	15.5	20.2

497675 2006 SY_{1} 2 29.9 157°.10 3°.4/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.15	− 6 18.9	2.865	3.567	12.4	22.0
2 1	11 7.10	− 6 28.5	2.765	3.573	10.3	21.8
2 11	11 1.46	− 6 23.8	2.688	3.578	7.9	21.7
2 21	10 54.63	− 6 5.2	2.637	3.583	5.4	21.5
3 2	10 47.16	− 5 34.3	2.614	3.587	3.5	21.4
3 12	10 39.72	− 4 54.4	2.622	3.591	4.1	21.4
3 22	10 32.96	− 4 9.5	2.659	3.595	6.3	21.6
4 1	10 27.43	− 3 24.1	2.724	3.599	8.8	21.8

112336 2002 NJ_{4} 2 29.9 239°.91 1°.3/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.41	+ 0 51.5	1.877	2.641	16.0	20.5
2 1	11 9.12	+ 1 15.6	1.775	2.632	12.9	20.3
2 11	11 3.42	+ 1 58.7	1.694	2.622	9.2	20.1
2 21	10 55.78	+ 2 58.3	1.638	2.611	4.9	19.8
3 2	10 47.00	+ 4 9.3	1.611	2.601	1.3	19.5
3 12	10 38.14	+ 5 24.4	1.612	2.590	4.9	19.7
3 22	10 30.28	+ 6 35.6	1.640	2.578	9.4	20.0
4 1	10 24.30	+ 7 36.6	1.693	2.567	13.4	20.2

269599 2010 BR_{80} 2 29.9 350°.57 0°.4/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.23	+ 7 11.2	1.621	2.418	16.8	20.7
2 1	11 9.25	+ 7 19.5	1.535	2.414	13.3	20.4
2 11	11 3.61	+ 7 41.4	1.470	2.411	9.1	20.2
2 21	10 55.88	+ 8 13.0	1.429	2.408	4.3	19.9
3 2	10 46.99	+ 8 48.7	1.415	2.406	0.8	19.6
3 12	10 38.19	+ 9 21.7	1.428	2.404	5.7	19.9
3 22	10 30.63	+ 9 46.3	1.467	2.403	10.4	20.2
4 1	10 25.24	+ 9 58.5	1.528	2.403	14.5	20.4

176918 2002 VJ_{93} 2 29.9 48°.78 0°.4/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.35	+ 3 6.5	1.604	2.390	17.4	20.2
2 1	11 8.46	+ 3 35.4	1.526	2.398	13.8	20.0
2 11	11 3.00	+ 4 23.3	1.469	2.405	9.5	19.8
2 21	10 55.54	+ 5 26.0	1.436	2.413	4.7	19.5
3 2	10 47.04	+ 6 36.7	1.430	2.421	0.6	19.2
3 12	10 38.70	+ 7 46.8	1.452	2.430	5.4	19.6
3 22	10 31.64	+ 8 48.3	1.500	2.438	10.0	19.9
4 1	10 26.71	+ 9 35.8	1.571	2.447	14.1	20.1

48860 1998 HG_{24} 2 29.9 266°.63 1°.3/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 12.95	+ 1 19.3	1.463	2.247	18.9	19.1
2 1	11 10.31	+ 1 38.2	1.367	2.235	15.3	18.9
2 11	11 4.69	+ 2 20.1	1.290	2.223	10.9	18.6
2 21	10 56.56	+ 3 22.4	1.235	2.210	5.7	18.2
3 2	10 46.90	+ 4 39.3	1.207	2.197	1.3	17.9
3 12	10 37.10	+ 6 0.9	1.205	2.184	6.0	18.2
3 22	10 28.55	+ 7 17.2	1.229	2.171	11.4	18.4
4 1	10 22.43	+ 8 19.7	1.275	2.158	16.2	18.7

489388 2006 UG_{279} 2 29.9 132°.29 3°.8/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.03	− 8 52.7	2.782	3.476	12.9	22.1
2 1	11 5.51	− 8 50.9	2.685	3.484	10.8	21.9
2 11	11 0.41	− 8 32.4	2.610	3.492	8.4	21.8
2 21	10 54.13	− 7 57.6	2.560	3.499	5.9	21.6
3 2	10 47.23	− 7 8.5	2.538	3.507	4.0	21.5
3 12	10 40.39	− 6 9.0	2.546	3.514	4.3	21.5
3 22	10 34.23	− 5 3.9	2.583	3.521	6.4	21.7
4 1	10 29.31	− 3 58.4	2.648	3.527	8.9	21.9

19771 2000 OF_{44} 2 29.9 29°.59 4°.0/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 16.65	− 1 17.0	1.666	2.422	18.0	17.4
2 1	11 12.58	− 2 6.4	1.582	2.427	14.8	17.1
2 11	11 5.81	− 2 39.4	1.518	2.433	11.0	16.9
2 21	10 56.92	− 2 55.6	1.478	2.440	7.0	16.7
3 2	10 46.89	− 2 56.2	1.465	2.446	4.1	16.5
3 12	10 36.97	− 2 45.0	1.479	2.454	5.8	16.7
3 22	10 28.35	− 2 27.4	1.519	2.461	9.6	16.9
4 1	10 21.96	− 2 9.0	1.583	2.469	13.4	17.1

265864 2005 YB_{164} 2 29.9 283°.46 5°.4/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.93	− 6 36.5	2.041	2.759	16.3	20.3
2 1	11 11.16	− 7 20.5	1.917	2.732	13.9	20.1
2 11	11 4.94	− 7 48.0	1.813	2.704	11.0	19.8
2 21	10 56.62	− 7 56.9	1.733	2.677	7.8	19.6
3 2	10 46.91	− 7 46.9	1.679	2.649	5.6	19.4
3 12	10 36.86	− 7 20.3	1.654	2.620	6.3	19.4
3 22	10 27.56	− 6 41.8	1.655	2.592	9.4	19.5
4 1	10 20.05	− 5 57.9	1.682	2.563	13.1	19.6

190137 2005 QM_{157} 2 29.9 128°.98 0°.9/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.81	+ 0 43.2	1.645	2.414	17.7	20.7
2 1	11 11.11	+ 1 24.9	1.567	2.427	14.2	20.5
2 11	11 4.77	+ 2 28.3	1.508	2.438	9.9	20.3
2 21	10 56.40	+ 3 49.2	1.475	2.450	5.1	20.0
3 2	10 46.97	+ 5 20.2	1.470	2.460	0.9	19.7
3 12	10 37.71	+ 6 51.7	1.493	2.470	5.3	20.1
3 22	10 29.77	+ 8 14.7	1.543	2.480	10.0	20.4
4 1	10 24.01	+ 9 22.5	1.618	2.489	14.0	20.6

34829 2001 SF_{198} 2 29.9 52°.55 0°.5/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.99	+ 1 30.1	1.367	2.160	19.5	19.4
2 1	11 8.67	+ 2 13.2	1.291	2.166	15.6	19.2
2 11	11 3.42	+ 3 21.3	1.235	2.172	10.8	18.9
2 21	10 55.85	+ 4 49.6	1.202	2.179	5.4	18.6
3 2	10 47.03	+ 6 29.1	1.194	2.185	0.7	18.3
3 12	10 38.38	+ 8 7.9	1.214	2.192	6.1	18.7
3 22	10 31.18	+ 9 35.3	1.258	2.199	11.3	19.0
4 1	10 26.44	+10 43.6	1.325	2.206	15.8	19.3

452322 2000 GG_{121} 2 29.9 37°.11 3°.1/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.54	− 2 42.2	1.269	2.054	21.2	21.4
2 1	11 8.52	− 2 32.3	1.196	2.060	17.3	21.2
2 11	11 3.42	− 1 54.0	1.141	2.068	12.6	20.9
2 21	10 55.89	− 0 49.3	1.106	2.076	7.4	20.6
3 2	10 47.04	+ 0 35.4	1.097	2.084	3.2	20.4
3 12	10 38.37	+ 2 9.0	1.112	2.093	6.0	20.6
3 22	10 31.25	+ 3 39.7	1.152	2.102	11.1	20.9
4 1	10 26.73	+ 4 57.5	1.215	2.112	15.8	21.2

198893 2005 TW_{138} 2 29.9 218°.68 0°.8/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.98	+ 1 54.7	1.726	2.496	17.0	22.3
2 1	11 11.38	+ 2 24.5	1.628	2.488	13.7	22.0
2 11	11 5.11	+ 3 14.5	1.550	2.480	9.6	21.8
2 21	10 56.67	+ 4 21.4	1.497	2.472	4.9	21.5
3 2	10 46.94	+ 5 39.2	1.471	2.462	0.8	21.1
3 12	10 37.14	+ 6 59.2	1.475	2.452	5.4	21.4
3 22	10 28.45	+ 8 12.9	1.505	2.441	10.2	21.7
4 1	10 21.89	+ 9 13.5	1.560	2.430	14.5	21.9

285326 1999 EU_{10} 2 29.9 283°.25 1°.5/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.85	− 1 5.3	2.268	3.020	13.9	20.8
2 1	11 5.06	− 0 29.4	2.166	3.014	11.3	20.6
2 11	11 0.39	+ 0 24.4	2.085	3.007	8.0	20.4
2 21	10 54.23	+ 1 33.6	2.031	3.001	4.5	20.1
3 2	10 47.25	+ 2 53.8	2.006	2.995	1.5	19.9
3 12	10 40.26	+ 4 18.3	2.010	2.988	4.0	20.1
3 22	10 34.05	+ 5 40.3	2.043	2.982	7.7	20.3
4 1	10 29.30	+ 6 53.8	2.102	2.976	11.1	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
278754 2008 SG_{108}			2 29.9 147°03	0°9/ 1.9 16		
	h m	° ′			°	m
1 22	11 12.66	+ 2 0.3	2.510	3.259	12.8	22.6
2 1	11 8.47	+ 2 19.5	2.419	3.268	10.2	22.4
2 11	11 2.48	+ 2 51.5	2.352	3.276	7.1	22.3
2 21	10 55.16	+ 3 33.7	2.312	3.285	3.7	22.1
3 2	10 47.15	+ 4 22.3	2.302	3.292	0.9	21.8
3 12	10 39.23	+ 5 12.4	2.323	3.300	3.8	22.1
3 22	10 32.12	+ 5 59.5	2.373	3.306	7.1	22.3
4 1	10 26.44	+ 6 39.5	2.449	3.313	10.1	22.5
77948 2002 GH_{116}			2 29.9 218°81	2°7/27.4 18		
1 22	11 14.03	+10 41.3	1.890	2.683	14.9	20.4
2 1	11 10.39	+11 42.9	1.797	2.676	11.6	20.1
2 11	11 4.28	+12 57.5	1.727	2.669	7.8	19.9
2 21	10 56.21	+14 18.7	1.684	2.662	4.0	19.6
3 2	10 47.01	+15 38.4	1.669	2.653	3.2	19.5
3 12	10 37.81	+16 48.1	1.683	2.645	6.8	19.8
3 22	10 29.66	+17 41.5	1.724	2.635	10.9	20.0
4 1	10 23.48	+18 15.3	1.789	2.626	14.5	20.2
15941 Stevegauthier			2 29.9 245°57	5°0/ 5.9 18		
1 22	11 12.76	− 9 5.3	2.546	3.238	14.0	18.4
2 1	11 8.74	− 9 41.7	2.435	3.229	11.9	18.2
2 11	11 2.83	−10 2.5	2.345	3.220	9.5	18.0
2 21	10 55.41	−10 6.4	2.280	3.211	7.0	17.8
3 2	10 47.11	− 9 53.7	2.242	3.202	5.2	17.7
3 12	10 38.74	− 9 26.8	2.232	3.193	5.5	17.7
3 22	10 31.06	− 8 49.7	2.252	3.183	7.6	17.8
4 1	10 24.80	− 8 7.5	2.297	3.173	10.2	18.0
225596 2000 XK_{4}			2 29.9 114°68	2°7/ 3.6 18		
1 22	11 15.28	− 2 10.4	2.271	3.002	14.5	21.3
2 1	11 10.65	− 2 18.5	2.187	3.019	11.8	21.1
2 11	11 4.02	− 2 11.5	2.126	3.036	8.6	20.9
2 21	10 55.91	− 1 50.5	2.090	3.052	5.3	20.8
3 2	10 47.07	− 1 18.1	2.084	3.067	2.8	20.6
3 12	10 38.37	− 0 39.0	2.107	3.082	4.3	20.7
3 22	10 30.65	+ 0 2.0	2.159	3.097	7.5	21.0
4 1	10 24.56	+ 0 40.2	2.238	3.111	10.5	21.2
22081 2000 AA_{165}			2 29.9 144°99	0°2/ 1.1 18		
1 22	11 11.78	+ 3 57.7	2.291	3.055	13.5	19.2
2 1	11 8.00	+ 4 30.4	2.203	3.062	10.6	19.0
2 11	11 2.28	+ 5 16.4	2.137	3.069	7.3	18.8
2 21	10 55.11	+ 6 12.4	2.099	3.075	3.6	18.6
3 2	10 47.17	+ 7 13.3	2.090	3.081	0.4	18.3
3 12	10 39.32	+ 8 13.2	2.111	3.086	4.3	18.6
3 22	10 32.36	+ 9 7.0	2.160	3.091	7.9	18.9
4 1	10 26.94	+ 9 50.5	2.236	3.096	11.1	19.1
51398 2001 DJ_{80}			2 29.9 261°24	1°9/ 2.2 18		
1 22	11 16.46	+ 1 44.3	1.542	2.317	18.5	18.9
2 1	11 13.02	+ 1 37.5	1.439	2.301	15.1	18.6
2 11	11 6.56	+ 1 49.2	1.355	2.284	10.8	18.3
2 21	10 57.52	+ 2 18.3	1.295	2.268	6.0	18.0
3 2	10 46.85	+ 3 0.8	1.261	2.251	1.9	17.7
3 12	10 35.95	+ 3 49.7	1.254	2.233	5.9	17.9
3 22	10 26.26	+ 4 37.2	1.273	2.215	11.1	18.1
4 1	10 18.98	+ 5 16.3	1.316	2.197	15.9	18.4
299932 2006 TF_{33}			2 29.9 282°72	2°8/ 4.1 17		
1 22	11 8.61	− 4 6.4	2.411	3.143	13.7	20.8
2 1	11 5.53	− 3 59.5	2.307	3.137	11.3	20.6
2 11	11 0.65	− 3 35.9	2.225	3.132	8.4	20.4
2 21	10 54.35	− 2 56.5	2.168	3.127	5.3	20.2
3 2	10 47.27	− 2 4.1	2.139	3.121	3.0	20.0
3 12	10 40.18	− 1 3.3	2.140	3.116	4.1	20.1
3 22	10 33.83	+ 0 0.1	2.169	3.111	7.2	20.3
4 1	10 28.88	+ 1 0.7	2.224	3.105	10.3	20.5
417232 2005 YN_{70}			2 29.9 296°24	5°6/24.7 17		
1 22	11 13.50	+19 25.2	1.837	2.649	14.5	21.0
2 1	11 10.07	+20 33.4	1.756	2.644	11.4	20.7
2 11	11 4.09	+21 46.6	1.699	2.638	8.2	20.5
2 21	10 56.12	+22 56.6	1.667	2.633	5.8	20.4
3 2	10 47.06	+23 54.4	1.663	2.627	6.2	20.4
3 12	10 38.09	+24 33.0	1.686	2.622	9.0	20.5
3 22	10 30.33	+24 48.6	1.733	2.617	12.4	20.7
4 1	10 24.65	+24 41.0	1.803	2.612	15.5	20.9
241295 2007 UB_{52}			2 29.9 2°97	3°7/ 4.9 18		
1 22	11 8.99	− 6 23.9	2.303	3.025	14.5	20.3
2 1	11 5.90	− 6 23.9	2.205	3.025	12.1	20.1
2 11	11 0.92	− 6 5.5	2.127	3.025	9.2	20.0
2 21	10 54.49	− 5 29.2	2.074	3.025	6.2	19.8
3 2	10 47.26	− 4 37.3	2.049	3.026	3.9	19.6
3 12	10 40.05	− 3 34.7	2.052	3.026	4.6	19.7
3 22	10 33.64	− 2 27.3	2.084	3.026	7.4	19.8
4 1	10 28.71	− 1 21.3	2.142	3.026	10.5	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
116827 2004 FT_{17}			2 29.9 58°10	14°8/15.3 18		
	h m	° ′			°	m
1 22	11 8.95	−26 41.5	1.167	1.836	28.6	19.3
2 1	11 7.96	−27 44.8	1.097	1.844	26.1	19.1
2 11	11 3.48	−28 1.4	1.037	1.853	23.1	18.9
2 21	10 56.10	−27 21.8	0.991	1.862	19.8	18.7
3 2	10 47.05	−25 40.6	0.960	1.872	16.7	18.6
3 12	10 38.12	−23 2.8	0.950	1.881	14.9	18.5
3 22	10 30.98	−19 44.0	0.961	1.891	15.3	18.5
4 1	10 26.89	−16 7.1	0.995	1.901	17.6	18.7
52400 1993 SG_{14}			2 29.9 65°55	0°7/ 1.5 18		
1 22	11 13.17	+ 3 18.3	1.688	2.468	16.9	19.4
2 1	11 9.75	+ 3 34.5	1.610	2.477	13.4	19.2
2 11	11 3.81	+ 4 7.7	1.554	2.487	9.3	19.0
2 21	10 55.94	+ 4 54.2	1.522	2.498	4.7	18.7
3 2	10 47.09	+ 5 48.3	1.517	2.508	0.7	18.4
3 12	10 38.42	+ 6 42.8	1.540	2.518	5.1	18.8
3 22	10 31.01	+ 7 31.0	1.590	2.529	9.6	19.1
4 1	10 25.68	+ 8 7.7	1.664	2.539	13.5	19.3
118343 1999 CT_{27}			2 29.9 342°62	5°9/26.9 18		
1 22	11 18.43	+20 24.5	1.296	2.123	18.5	19.0
2 1	11 15.08	+20 34.3	1.215	2.110	14.8	18.7
2 11	11 8.14	+20 44.9	1.153	2.097	10.6	18.4
2 21	10 58.27	+20 48.0	1.114	2.086	6.8	18.1
3 2	10 46.80	+20 34.9	1.100	2.077	6.4	18.1
3 12	10 35.49	+19 59.6	1.110	2.068	10.0	18.3
3 22	10 26.02	+19 1.4	1.144	2.061	14.6	18.5
4 1	10 19.60	+17 43.1	1.198	2.055	18.8	18.7
489720 2007 VE_{278}			2 29.9 149°90	0°7/29.2 18		
1 22	11 16.37	+ 6 39.8	2.084	2.854	14.4	22.6
2 1	11 11.76	+ 7 16.2	2.000	2.865	11.3	22.4
2 11	11 4.93	+ 8 5.2	1.940	2.875	7.7	22.2
2 21	10 56.42	+ 9 2.3	1.906	2.884	3.6	21.9
3 2	10 47.05	+10 1.7	1.902	2.892	1.1	21.8
3 12	10 37.81	+10 56.8	1.928	2.900	5.0	22.1
3 22	10 29.65	+11 42.5	1.982	2.906	8.9	22.3
4 1	10 23.30	+12 15.2	2.062	2.913	12.3	22.5
523800 2017 KZ_{31}			2 29.9 2°92	0°5/ 3.3 18		
1 22	11 3.41	− 1 6.4	11.448	12.145	3.4	21.2
2 1	10 59.88	− 0 42.4	11.351	12.165	2.7	21.2
2 11	10 56.00	− 0 15.2	11.281	12.184	1.9	21.1
2 21	10 51.87	+ 0 14.6	11.243	12.204	1.1	21.1
3 2	10 47.62	+ 0 46.2	11.238	12.223	0.5	21.0
3 12	10 43.40	+ 1 18.7	11.268	12.243	0.9	21.0
3 22	10 39.33	+ 1 51.3	11.332	12.263	1.7	21.1
4 1	10 35.53	+ 2 23.0	11.428	12.283	2.5	21.2
206715 2004 BP_{50}			2 29.9 68°06	3°7/ 4.3 18		
1 22	11 14.46	− 3 40.0	2.126	2.857	15.4	20.0
2 1	11 10.19	− 4 9.4	2.044	2.872	12.7	19.8
2 11	11 3.82	− 4 22.8	1.983	2.887	9.5	19.6
2 21	10 55.87	− 4 20.4	1.947	2.902	6.2	19.4
3 2	10 47.12	− 4 4.0	1.938	2.916	3.8	19.3
3 12	10 38.52	− 3 37.6	1.959	2.931	4.8	19.4
3 22	10 30.93	− 3 5.9	2.007	2.946	7.8	19.6
4 1	10 25.06	− 2 34.0	2.082	2.961	10.9	19.8
112687 2002 PF_{99}			2 29.9 265°49	3°4/26.9 18		
1 22	11 13.99	+12 56.2	1.725	2.529	15.6	20.2
2 1	11 10.66	+13 49.4	1.632	2.518	12.2	19.9
2 11	11 4.65	+14 54.1	1.562	2.506	8.3	19.6
2 21	10 56.47	+16 3.4	1.518	2.494	4.5	19.4
3 2	10 47.03	+17 8.7	1.501	2.483	4.0	19.3
3 12	10 37.56	+18 1.6	1.511	2.471	7.7	19.5
3 22	10 29.27	+18 36.2	1.548	2.459	11.9	19.7
4 1	10 23.14	+18 49.8	1.606	2.446	15.7	19.9
206477 2003 UV_{50}			2 29.9 197°82	2°4/ 3.4 17		
1 22	11 11.27	− 2 2.5	2.301	3.040	14.1	21.1
2 1	11 7.68	− 1 56.0	2.201	3.039	11.5	20.9
2 11	11 2.14	− 1 33.4	2.124	3.037	8.4	20.7
2 21	10 55.09	− 0 56.2	2.071	3.035	5.0	20.5
3 2	10 47.21	− 0 7.3	2.048	3.033	2.4	20.3
3 12	10 39.34	+ 0 48.1	2.054	3.031	4.1	20.4
3 22	10 32.29	+ 1 44.5	2.088	3.028	7.5	20.6
4 1	10 26.76	+ 2 36.6	2.149	3.025	10.8	20.8
365205 2009 HZ_{1}			2 29.9 251°03	1°0/29.1 16		
1 22	11 13.15	+ 6 47.9	1.706	2.497	16.3	21.2
2 1	11 9.93	+ 7 24.5	1.614	2.491	12.9	21.0
2 11	11 4.11	+ 8 16.9	1.544	2.484	8.8	20.7
2 21	10 56.19	+ 9 20.6	1.499	2.478	4.2	20.4
3 2	10 47.07	+10 28.2	1.481	2.471	1.4	20.2
3 12	10 37.96	+11 31.4	1.491	2.464	6.0	20.5
3 22	10 30.00	+12 23.2	1.528	2.458	10.6	20.7
4 1	10 24.15	+12 58.8	1.588	2.451	14.7	21.0

37220 2000 WX_{138} 2 29.9 285°.89 2°.1/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 11.86	+ 0 0.4	1.582	2.357	18.1	19.3
2 1	11 9.26	+ 0 6.6	1.479	2.341	14.8	19.0
2 11	11 3.90	+ 0 34.1	1.396	2.324	10.7	18.7
2 21	10 56.21	+ 1 21.7	1.336	2.308	6.0	18.4
3 2	10 47.06	+ 2 25.0	1.302	2.291	2.1	18.1
3 12	10 37.73	+ 3 36.1	1.295	2.275	5.6	18.3
3 22	10 29.50	+ 4 46.1	1.314	2.258	10.6	18.5
4 1	10 23.51	+ 5 46.8	1.356	2.242	15.2	18.8

41079 1999 VP_{45} 2 29.9 190°.44 0°.1/29.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.44	+ 5 49.2	2.214	2.984	13.7	19.2
2 1	11 9.42	+ 6 5.2	2.120	2.983	10.8	19.0
2 11	11 3.34	+ 6 32.8	2.049	2.983	7.4	18.8
2 21	10 55.67	+ 7 8.8	2.005	2.981	3.6	18.5
3 2	10 47.15	+ 7 48.8	1.989	2.980	0.5	18.3
3 12	10 38.67	+ 8 27.7	2.004	2.979	4.5	18.6
3 22	10 31.11	+ 9 0.7	2.046	2.977	8.3	18.8
4 1	10 25.18	+ 9 24.4	2.114	2.975	11.6	19.0

208339 2001 QB_{226} 2 29.9 136°.59 2°.1/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.20	− 0 45.8	2.695	3.426	12.4	20.7
2 1	11 8.77	− 0 53.1	2.602	3.435	10.1	20.5
2 11	11 2.64	− 0 48.4	2.532	3.444	7.3	20.3
2 21	10 55.25	− 0 32.7	2.489	3.453	4.3	20.2
3 2	10 47.21	− 0 8.5	2.476	3.461	2.1	20.0
3 12	10 39.25	+ 0 20.9	2.493	3.469	3.6	20.1
3 22	10 32.04	+ 0 51.6	2.540	3.476	6.6	20.3
4 1	10 26.18	+ 1 19.9	2.614	3.484	9.3	20.5

433467 2013 VP_{8} 2 29.9 88°.18 2°.0/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.59	+11 24.3	2.377	3.157	12.6	21.9
2 1	11 9.91	+12 8.8	2.315	3.187	9.7	21.8
2 11	11 3.39	+13 0.3	2.277	3.216	6.4	21.6
2 21	10 55.57	+13 53.9	2.267	3.244	3.2	21.5
3 2	10 47.18	+14 44.3	2.287	3.272	2.3	21.4
3 12	10 39.06	+15 26.3	2.338	3.300	5.1	21.7
3 22	10 31.95	+15 56.8	2.417	3.327	8.2	21.9
4 1	10 26.41	+16 14.0	2.521	3.353	10.9	22.1

432137 2009 BY_{77} 2 29.9 51°.98 3°.7/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.34	+15 19.0	2.012	2.817	13.7	20.5
2 1	11 7.93	+16 18.2	1.944	2.830	10.6	20.3
2 11	11 2.35	+17 23.8	1.900	2.842	7.2	20.1
2 21	10 55.18	+18 29.1	1.882	2.856	4.3	19.9
3 2	10 47.24	+19 26.8	1.893	2.869	4.2	20.0
3 12	10 39.51	+20 10.9	1.932	2.882	7.0	20.1
3 22	10 32.87	+20 37.8	1.997	2.896	10.2	20.4
4 1	10 28.02	+20 46.3	2.085	2.910	13.2	20.6

6165 Frolova 2 29.9 138°.35 1°.0/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 17.96	+ 3 35.7	1.791	2.558	16.6	18.2
2 1	11 13.40	+ 3 37.7	1.707	2.566	13.2	18.0
2 11	11 6.26	+ 3 54.5	1.645	2.574	9.2	17.7
2 21	10 57.15	+ 4 23.5	1.608	2.582	4.7	17.5
3 2	10 47.00	+ 5 0.0	1.599	2.589	1.0	17.2
3 12	10 37.00	+ 5 38.0	1.619	2.596	5.0	17.5
3 22	10 28.25	+ 6 11.7	1.666	2.602	9.4	17.8
4 1	10 21.63	+ 6 36.6	1.738	2.608	13.3	18.1

3903 Kliment Ohridski 2 29.9 237°.93 0°.1/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.68	+ 5 27.8	2.316	3.086	13.2	17.1
2 1	11 8.00	+ 5 48.0	2.217	3.080	10.4	16.9
2 11	11 2.37	+ 6 19.9	2.141	3.074	7.2	16.7
2 21	10 55.22	+ 7 0.5	2.091	3.068	3.5	16.5
3 2	10 47.23	+ 7 45.4	2.071	3.062	0.4	16.2
3 12	10 39.24	+ 8 29.6	2.080	3.055	4.3	16.5
3 22	10 32.08	+ 9 8.2	2.118	3.048	8.0	16.7
4 1	10 26.44	+ 9 37.5	2.181	3.042	11.3	16.9

296058 2009 AA_{33} 2 29.9 310°.05 1°.7/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.31	+ 1 42.3	2.205	2.962	14.1	20.6
2 1	11 8.60	+ 1 33.7	2.106	2.957	11.4	20.4
2 11	11 2.83	+ 1 38.1	2.028	2.952	8.2	20.2
2 21	10 55.46	+ 1 53.9	1.977	2.947	4.5	19.9
3 2	10 47.20	+ 2 18.3	1.954	2.942	1.7	19.7
3 12	10 38.95	+ 2 47.0	1.960	2.938	4.2	19.9
3 22	10 31.56	+ 3 15.5	1.994	2.933	7.9	20.1
4 1	10 25.78	+ 3 39.6	2.054	2.929	11.3	20.3

474074 2016 JO_{29} 2 29.9 320°.51 9°.2/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.89	−14 18.9	1.643	2.349	20.1	20.4
2 1	11 6.95	−15 20.9	1.539	2.332	17.7	20.2
2 11	11 2.35	−15 57.5	1.451	2.316	14.9	20.0
2 21	10 55.49	−16 4.0	1.384	2.300	12.0	19.7
3 2	10 47.18	−15 37.8	1.339	2.284	9.7	19.6
3 12	10 38.63	−14 41.1	1.317	2.270	9.4	19.5
3 22	10 31.10	−13 21.0	1.320	2.255	11.4	19.6
4 1	10 25.71	−11 47.9	1.346	2.242	14.6	19.7

282810 2006 RC_{5} 2 29.9 205°.74 3°.4/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 11.95	− 4 41.1	2.590	3.306	13.2	20.5
2 1	11 8.00	− 4 57.2	2.485	3.304	11.0	20.4
2 11	11 2.26	− 4 59.0	2.403	3.301	8.3	20.2
2 21	10 55.14	− 4 46.6	2.346	3.298	5.5	20.0
3 2	10 47.25	− 4 21.6	2.318	3.295	3.5	19.9
3 12	10 39.35	− 3 47.4	2.320	3.291	4.3	19.9
3 22	10 32.18	− 3 8.2	2.350	3.288	6.9	20.1
4 1	10 26.36	− 2 28.6	2.407	3.284	9.8	20.2

152458 2005 VY_{13} 2 29.9 5°.85 2°.3/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.01	− 2 26.8	1.404	2.191	19.4	18.9
2 1	11 3.94	− 1 57.2	1.324	2.191	15.8	18.7
2 11	11 0.21	− 0 59.7	1.263	2.193	11.4	18.4
2 21	10 54.36	+ 0 22.9	1.224	2.195	6.5	18.1
3 2	10 47.35	+ 2 3.5	1.210	2.199	2.4	17.9
3 12	10 40.43	+ 3 51.0	1.222	2.203	5.5	18.1
3 22	10 34.79	+ 5 33.5	1.259	2.209	10.4	18.4
4 1	10 31.36	+ 7 1.4	1.319	2.216	14.8	18.7

206826 2004 EH_{33} 2 29.9 7°.23 4°.9/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.42	+19 22.0	2.024	2.833	13.4	19.8
2 1	11 8.90	+20 17.2	1.947	2.833	10.5	19.6
2 11	11 3.11	+21 15.9	1.895	2.834	7.5	19.4
2 21	10 55.60	+22 11.1	1.868	2.835	5.2	19.2
3 2	10 47.21	+22 55.5	1.869	2.836	5.4	19.3
3 12	10 38.97	+23 23.4	1.898	2.838	8.0	19.4
3 22	10 31.83	+23 32.0	1.953	2.839	11.1	19.6
4 1	10 26.55	+23 21.0	2.030	2.842	13.9	19.8

473941 2016 EP_{169} 2 29.9 202°.28 0°.9/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.20	+ 3 0.3	1.990	2.757	15.1	22.0
2 1	11 9.51	+ 3 13.3	1.896	2.756	12.1	21.8
2 11	11 3.57	+ 3 41.2	1.824	2.754	8.5	21.6
2 21	10 55.86	+ 4 21.4	1.778	2.752	4.4	21.3
3 2	10 47.17	+ 5 9.2	1.760	2.751	0.9	21.1
3 12	10 38.52	+ 5 58.8	1.771	2.749	4.6	21.3
3 22	10 30.87	+ 6 44.2	1.810	2.746	8.7	21.6
4 1	10 25.01	+ 7 20.7	1.873	2.744	12.4	21.8

258362 2001 WO_{62} 2 29.9 89°.30 0°.8/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.42	+ 2 58.4	1.859	2.630	15.9	21.4
2 1	11 9.73	+ 3 13.5	1.778	2.640	12.7	21.2
2 11	11 3.70	+ 3 44.4	1.718	2.649	8.8	21.0
2 21	10 55.90	+ 4 27.9	1.684	2.659	4.5	20.7
3 2	10 47.18	+ 5 18.8	1.677	2.668	0.8	20.5
3 12	10 38.61	+ 6 10.7	1.700	2.677	4.8	20.8
3 22	10 31.17	+ 6 57.4	1.749	2.687	8.9	21.1
4 1	10 25.66	+ 7 34.1	1.824	2.696	12.6	21.3

232821 2004 RY_{340} 2 29.9 184°.19 5°.3/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.79	+21 48.9	2.480	3.278	11.6	20.9
2 1	11 9.62	+23 15.1	2.401	3.278	9.2	20.7
2 11	11 3.45	+24 43.8	2.348	3.278	6.8	20.5
2 21	10 55.74	+26 7.7	2.323	3.277	5.4	20.4
3 2	10 47.20	+27 19.6	2.327	3.276	6.0	20.5
3 12	10 38.72	+28 13.7	2.361	3.274	8.1	20.6
3 22	10 31.13	+28 47.1	2.421	3.271	10.6	20.8
4 1	10 25.13	+28 59.5	2.503	3.268	12.9	20.9

90057 2002 VH_{48} 2 29.9 183°.92 1°.1/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.97	+ 7 35.1	2.191	2.966	13.7	20.0
2 1	11 9.90	+ 8 17.6	2.099	2.967	10.7	19.7
2 11	11 3.71	+ 9 12.2	2.030	2.967	7.2	19.5
2 21	10 55.89	+10 14.5	1.988	2.966	3.4	19.3
3 2	10 47.18	+11 18.5	1.976	2.965	1.4	19.1
3 12	10 38.52	+12 17.7	1.994	2.963	5.1	19.4
3 22	10 30.79	+13 6.9	2.040	2.961	8.9	19.6
4 1	10 24.73	+13 42.6	2.111	2.958	12.2	19.8

139422 2001 OJ_{28} 2 29.9 91°.08 2°.8/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 16.77	+12 20.6	1.886	2.678	14.9	20.2
2 1	11 12.16	+13 10.7	1.824	2.702	11.5	20.1
2 11	11 5.20	+14 9.3	1.785	2.726	7.7	19.9
2 21	10 56.54	+15 9.9	1.772	2.749	4.0	19.7
3 2	10 47.12	+16 5.2	1.789	2.772	3.2	19.7
3 12	10 38.03	+16 48.8	1.834	2.794	6.4	19.9
3 22	10 30.24	+17 16.9	1.906	2.816	10.0	20.2
4 1	10 24.45	+17 28.0	2.002	2.838	13.2	20.4

108877 2001 OK_{105} 2 29.9 122°.97 2°.5/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.44	− 4 15.3	2.383	3.105	14.1	21.0
2 1	11 9.14	− 3 49.7	2.300	3.125	11.5	20.9
2 11	11 2.98	− 3 6.4	2.239	3.145	8.4	20.7
2 21	10 55.45	− 2 7.5	2.204	3.164	5.1	20.5
3 2	10 47.25	− 0 57.0	2.198	3.182	2.6	20.4
3 12	10 39.20	+ 0 19.3	2.223	3.200	4.0	20.5
3 22	10 32.05	+ 1 35.3	2.278	3.216	7.1	20.7
4 1	10 26.42	+ 2 45.3	2.360	3.232	10.1	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
519980	2013 TK_{167}		2 29.9	190°54	2°6/27.1	17
	h m	° ′			°	m
1 22	11 13.50	+12 56.5	2.317	3.105	12.6	22.4
2 1	11 9.43	+13 45.9	2.227	3.104	9.8	22.2
2 11	11 3.33	+14 43.1	2.162	3.102	6.6	22.0
2 21	10 55.69	+15 42.8	2.124	3.100	3.5	21.8
3 2	10 47.22	+16 39.0	2.116	3.098	3.0	21.8
3 12	10 38.80	+17 25.9	2.138	3.095	5.9	22.0
3 22	10 31.28	+17 59.4	2.187	3.092	9.2	22.2
4 1	10 25.37	+18 17.3	2.261	3.089	12.2	22.4
186864	2004 HN_{23}		2 29.9	318°02	0°6/29.5	18
1 22	11 13.02	+ 6 59.3	1.640	2.435	16.7	20.5
2 1	11 9.94	+ 7 15.9	1.550	2.428	13.3	20.2
2 11	11 4.18	+ 7 46.9	1.481	2.421	9.1	20.0
2 21	10 56.27	+ 8 28.4	1.436	2.414	4.3	19.7
3 2	10 47.14	+ 9 14.3	1.418	2.408	1.0	19.4
3 12	10 38.03	+ 9 57.0	1.427	2.402	5.9	19.7
3 22	10 30.13	+10 30.5	1.462	2.397	10.6	20.0
4 1	10 24.40	+10 50.4	1.520	2.391	14.8	20.2
293082	2006 WP_{183}		2 29.9	150°83	1°8/ 3.3	17
1 22	11 10.91	− 1 20.7	3.077	3.803	11.2	22.3
2 1	11 6.79	− 1 15.3	2.981	3.811	9.0	22.2
2 11	11 1.22	− 0 58.4	2.909	3.819	6.6	22.0
2 21	10 54.57	− 0 31.3	2.863	3.826	3.9	21.9
3 2	10 47.37	+ 0 3.5	2.848	3.833	1.9	21.7
3 12	10 40.22	+ 0 42.7	2.864	3.840	3.2	21.8
3 22	10 33.70	+ 1 22.6	2.909	3.846	5.8	22.0
4 1	10 28.32	+ 1 59.9	2.983	3.852	8.4	22.2
177574	2004 FM_{134}		2 29.9	338°11	3°7/ 3.9	17
1 22	11 8.46	− 2 28.9	1.756	2.519	17.0	19.4
2 1	11 6.25	− 2 53.3	1.654	2.504	14.1	19.2
2 11	11 1.63	− 2 59.3	1.573	2.490	10.6	18.9
2 21	10 55.04	− 2 46.9	1.514	2.477	6.7	18.7
3 2	10 47.29	− 2 17.9	1.482	2.464	3.8	18.5
3 12	10 39.44	− 1 37.2	1.475	2.453	5.4	18.5
3 22	10 32.57	− 0 51.3	1.495	2.443	9.3	18.7
4 1	10 27.62	− 0 7.0	1.539	2.433	13.2	18.9
205254	2000 RP_{43}		2 29.9	110°21	0°1/29.9	18
1 22	11 22.18	+ 7 10.7	1.782	2.553	16.5	20.2
2 1	11 16.55	+ 7 10.4	1.709	2.572	13.0	20.0
2 11	11 8.29	+ 7 21.5	1.657	2.591	8.9	19.8
2 21	10 58.09	+ 7 40.3	1.632	2.609	4.3	19.5
3 2	10 46.96	+ 8 2.0	1.636	2.626	0.6	19.3
3 12	10 36.16	+ 8 21.2	1.669	2.643	5.3	19.7
3 22	10 26.80	+ 8 33.8	1.730	2.660	9.6	19.9
4 1	10 19.68	+ 8 37.0	1.815	2.676	13.3	20.2
348536	2005 UL_{177}		2 29.9	353°04	3°7/27.6	18
1 22	11 15.79	+13 13.7	1.253	2.076	19.3	20.6
2 1	11 12.92	+13 45.8	1.178	2.073	15.1	20.3
2 11	11 6.63	+14 29.7	1.124	2.071	10.3	20.0
2 21	10 57.57	+15 17.6	1.091	2.070	5.4	19.7
3 2	10 47.01	+15 59.6	1.084	2.069	4.2	19.6
3 12	10 36.63	+16 26.4	1.102	2.068	8.7	19.9
3 22	10 28.00	+16 32.8	1.143	2.069	13.8	20.2
4 1	10 22.28	+16 17.5	1.204	2.069	18.2	20.4
114270	2002 XP_{6}		2 29.9	32°09	6°3/25.8	18
1 22	11 18.37	+18 32.3	1.294	2.118	18.7	19.7
2 1	11 14.85	+19 29.1	1.226	2.121	14.7	19.5
2 11	11 7.85	+20 32.3	1.179	2.123	10.4	19.3
2 21	10 58.11	+21 31.4	1.155	2.126	6.9	19.1
3 2	10 46.96	+22 14.9	1.157	2.129	7.0	19.1
3 12	10 36.12	+22 34.2	1.183	2.133	10.5	19.3
3 22	10 27.16	+22 26.3	1.232	2.136	14.8	19.5
4 1	10 21.17	+21 52.6	1.301	2.140	18.7	19.8
140806	2001 UT_{152}		2 29.9	147°80	3°6/25.9	18
1 22	11 12.35	+17 24.0	2.524	3.318	11.5	20.2
2 1	11 8.34	+18 12.5	2.443	3.322	9.0	20.1
2 11	11 2.47	+19 4.7	2.387	3.325	6.2	19.9
2 21	10 55.24	+19 55.3	2.358	3.328	3.9	19.7
3 2	10 47.30	+20 38.9	2.359	3.331	4.0	19.7
3 12	10 39.48	+21 10.8	2.390	3.334	6.3	19.9
3 22	10 32.52	+21 28.1	2.447	3.337	9.0	20.1
4 1	10 27.05	+21 30.1	2.530	3.339	11.6	20.2
22100	2000 GV_{93}		2 29.9	170°84	2°5/26.8	18
1 22	11 10.48	+12 19.3	2.527	3.315	11.7	18.7
2 1	11 6.90	+13 22.7	2.440	3.317	9.1	18.5
2 11	11 1.52	+14 34.2	2.378	3.319	6.1	18.4
2 21	10 54.80	+15 48.5	2.344	3.320	3.3	18.2
3 2	10 47.35	+16 59.8	2.341	3.322	2.9	18.2
3 12	10 39.97	+18 2.0	2.367	3.323	5.6	18.3
3 22	10 33.36	+18 51.2	2.422	3.323	8.6	18.5
4 1	10 28.16	+19 24.7	2.502	3.324	11.3	18.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
80158	1999 TN_{223}		2 29.9	146°06	1°8/28.4	18
	h m	° ′			°	m
1 22	11 18.01	+ 8 20.7	1.701	2.487	16.6	20.4
2 1	11 13.60	+ 9 12.3	1.624	2.498	13.0	20.2
2 11	11 6.49	+10 18.3	1.568	2.508	8.7	20.0
2 21	10 57.31	+11 32.5	1.539	2.517	4.1	19.7
3 2	10 47.06	+12 46.6	1.538	2.526	2.2	19.6
3 12	10 36.99	+13 51.9	1.566	2.534	6.4	19.9
3 22	10 28.28	+14 42.1	1.620	2.541	10.8	20.2
4 1	10 21.81	+15 13.8	1.699	2.547	14.6	20.4
419133	2009 SO_{246}		2 29.9	170°76	4°3/25.6	16
1 22	11 18.33	+19 40.4	2.359	3.148	12.4	21.9
2 1	11 13.14	+20 26.0	2.278	3.152	9.7	21.7
2 11	11 5.80	+21 13.7	2.221	3.155	6.9	21.5
2 21	10 56.87	+21 57.5	2.192	3.158	4.7	21.4
3 2	10 47.12	+22 31.5	2.193	3.160	4.8	21.4
3 12	10 37.54	+22 50.9	2.224	3.161	7.1	21.6
3 22	10 28.99	+22 53.5	2.281	3.162	10.0	21.7
4 1	10 22.20	+22 39.4	2.364	3.163	12.6	21.9
311256	2005 EO_{50}		2 29.9	18°61	1°4/ 2.1	18
1 22	11 6.90	− 0 35.1	1.268	2.067	20.4	20.4
2 1	11 5.68	+ 0 4.1	1.195	2.072	16.4	20.2
2 11	11 1.53	+ 1 12.0	1.141	2.077	11.6	19.9
2 21	10 55.05	+ 2 44.4	1.109	2.084	6.1	19.6
3 2	10 47.33	+ 4 32.0	1.101	2.092	1.4	19.3
3 12	10 39.77	+ 6 22.1	1.119	2.100	6.0	19.6
3 22	10 33.68	+ 8 2.2	1.162	2.109	11.3	19.9
4 1	10 30.05	+ 9 23.0	1.226	2.120	16.0	20.2
232691	2004 AR_{1}		2 29.9	79°82	0°8/ 1.3	18
1 22	11 54.64	+ 3 57.3	0.826	1.599	30.7	21.7
2 1	11 42.96	+ 4 0.4	0.800	1.661	24.0	21.5
2 11	11 26.28	+ 4 28.6	0.789	1.720	16.2	21.3
2 21	11 6.40	+ 5 13.9	0.801	1.776	7.8	21.1
3 2	10 46.11	+ 6 4.8	0.839	1.830	1.0	20.9
3 12	10 28.28	+ 6 49.2	0.904	1.880	8.1	21.5
3 22	10 14.74	+ 7 20.1	0.994	1.928	14.4	22.0
4 1	10 6.13	+ 7 34.6	1.105	1.973	19.3	22.5
105024	2000 KH_{30}		2 29.9	213°98	0°3/29.6	18
1 22	11 10.82	+ 6 5.2	2.656	3.422	11.8	20.6
2 1	11 7.08	+ 6 34.4	2.555	3.416	9.3	20.4
2 11	11 1.62	+ 7 14.0	2.477	3.411	6.3	20.2
2 21	10 54.86	+ 8 0.9	2.427	3.404	3.0	20.0
3 2	10 47.37	+ 8 50.9	2.407	3.398	0.6	19.8
3 12	10 39.89	+ 9 39.4	2.418	3.391	4.0	20.0
3 22	10 33.10	+10 22.0	2.458	3.384	7.3	20.2
4 1	10 27.63	+10 55.5	2.524	3.377	10.2	20.4
182461	2001 SK_{81}		2 29.9	84°89	1°0/ 1.9	18
1 22	11 11.56	+ 0 21.1	1.798	2.565	16.5	20.2
2 1	11 8.34	+ 1 1.8	1.721	2.580	13.2	20.0
2 11	11 2.80	+ 2 2.6	1.666	2.594	9.2	19.8
2 21	10 55.50	+ 3 19.4	1.635	2.609	4.8	19.6
3 2	10 47.32	+ 4 45.7	1.633	2.623	1.0	19.3
3 12	10 39.32	+ 6 12.8	1.659	2.637	4.8	19.6
3 22	10 32.46	+ 7 32.8	1.713	2.651	9.0	19.9
4 1	10 27.51	+ 8 39.6	1.791	2.665	12.7	20.1
273976	2007 LN_{13}		2 29.9	224°15	0°4/ 1.5	17
1 22	11 11.47	+ 2 27.0	2.990	3.733	11.1	22.3
2 1	11 7.44	+ 3 4.3	2.873	3.719	8.8	22.1
2 11	11 1.82	+ 3 53.8	2.780	3.704	6.2	21.9
2 21	10 54.96	+ 4 52.9	2.715	3.689	3.1	21.7
3 2	10 47.38	+ 5 58.1	2.681	3.672	0.5	21.5
3 12	10 39.73	+ 7 4.5	2.680	3.655	3.5	21.7
3 22	10 32.65	+ 8 7.4	2.708	3.637	6.6	21.9
4 1	10 26.71	+ 9 3.0	2.765	3.618	9.4	22.0
175075	2004 GR_{40}		2 29.9	335°79	0°1/ 1.1	17
1 22	11 9.54	+ 4 49.9	2.076	2.855	14.2	20.8
2 1	11 6.59	+ 5 10.9	1.982	2.850	11.3	20.6
2 11	11 1.57	+ 5 45.4	1.909	2.844	7.8	20.3
2 21	10 54.92	+ 6 30.3	1.863	2.840	3.8	20.1
3 2	10 47.39	+ 7 20.7	1.844	2.835	0.4	19.8
3 12	10 39.87	+ 8 10.7	1.854	2.831	4.6	20.1
3 22	10 33.25	+ 8 54.7	1.892	2.827	8.5	20.3
4 1	10 28.28	+ 9 28.6	1.955	2.823	12.1	20.5
88953	2001 TC_{39}		2 29.9	222°65	1°4/ 2.1	18
1 22	11 17.87	+ 2 13.8	1.894	2.652	16.1	20.1
2 1	11 13.47	+ 2 14.9	1.789	2.642	13.0	19.8
2 11	11 6.49	+ 2 31.6	1.706	2.632	9.3	19.6
2 21	10 57.42	+ 3 2.0	1.649	2.621	5.0	19.3
3 2	10 47.09	+ 3 42.1	1.619	2.609	1.4	19.0
3 12	10 36.65	+ 4 26.1	1.619	2.596	5.0	19.2
3 22	10 27.24	+ 5 8.0	1.647	2.583	9.5	19.5
4 1	10 19.85	+ 5 42.2	1.699	2.569	13.5	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
409899 2006 SS_{412}			2 29.9 136°64 1°4/ 2.3 18			
	h m	° ′			°	m
1 22	11 15.77	+ 1 22.8	2.090	2.842	15.0	22.0
2 1	11 11.30	+ 1 33.0	2.005	2.854	12.0	21.8
2 11	11 4.66	+ 1 58.1	1.942	2.865	8.5	21.6
2 21	10 56.36	+ 2 35.9	1.905	2.876	4.6	21.4
3 2	10 47.23	+ 3 22.0	1.897	2.886	1.4	21.2
3 12	10 38.22	+ 4 10.9	1.918	2.896	4.3	21.4
3 22	10 30.25	+ 4 57.1	1.968	2.905	8.2	21.7
4 1	10 24.06	+ 5 35.9	2.044	2.913	11.6	21.9
201156 2002 KX_{12}			2 29.9 3°23 1°4/28.9 18			
1 22	11 8.89	+ 6 55.5	1.202	2.026	19.9	19.1
2 1	11 7.50	+ 7 32.1	1.130	2.024	15.7	18.9
2 11	11 2.94	+ 8 29.4	1.076	2.024	10.6	18.6
2 21	10 55.81	+ 9 40.9	1.044	2.025	5.0	18.2
3 2	10 47.28	+10 56.7	1.037	2.027	1.9	18.0
3 12	10 38.90	+12 5.2	1.054	2.029	7.4	18.4
3 22	10 32.11	+12 57.2	1.094	2.033	12.8	18.7
4 1	10 28.01	+13 27.4	1.155	2.038	17.5	19.0
269485 Bisikalo			2 29.9 301°18 4°3/ 4.8 17			
1 22	11 10.73	− 5 45.4	1.916	2.652	16.7	20.3
2 1	11 7.79	− 5 59.5	1.816	2.645	13.9	20.1
2 11	11 2.56	− 5 53.3	1.735	2.638	10.7	19.9
2 21	10 55.48	− 5 26.4	1.677	2.631	7.1	19.6
3 2	10 47.32	− 4 40.9	1.646	2.624	4.5	19.5
3 12	10 39.10	− 3 41.8	1.643	2.617	5.4	19.5
3 22	10 31.83	− 2 36.2	1.666	2.610	8.8	19.7
4 1	10 26.37	− 1 31.3	1.715	2.604	12.4	19.9
120224 2004 FB_{39}			2 29.9 324°04 2°0/ 2.4 18			
1 22	11 12.96	+ 1 52.5	1.595	2.375	17.8	19.8
2 1	11 10.01	+ 1 40.5	1.502	2.366	14.4	19.6
2 11	11 4.33	+ 1 45.8	1.428	2.358	10.3	19.3
2 21	10 56.43	+ 2 6.8	1.378	2.351	5.7	19.0
3 2	10 47.22	+ 2 39.8	1.354	2.343	2.0	18.7
3 12	10 37.97	+ 3 18.6	1.357	2.336	5.4	18.9
3 22	10 29.92	+ 3 56.4	1.386	2.330	10.2	19.2
4 1	10 24.08	+ 4 27.1	1.438	2.324	14.5	19.4
461566 2004 EL_{62}			2 29.9 286°30 9°7/24.1 16			
1 22	11 34.68	+32 44.1	1.773	2.553	16.2	21.5
2 1	11 27.30	+33 19.2	1.681	2.534	13.7	21.2
2 11	11 16.21	+33 44.9	1.612	2.515	11.3	21.0
2 21	11 2.17	+33 50.2	1.567	2.496	9.8	20.9
3 2	10 46.57	+33 25.1	1.549	2.477	10.2	20.9
3 12	10 31.29	+32 25.3	1.559	2.459	12.4	21.0
3 22	10 18.01	+30 53.1	1.595	2.440	15.4	21.1
4 1	10 7.91	+28 55.3	1.653	2.421	18.4	21.3
279192 2009 TY_{2}			2 29.9 113°93 5°5/24.1 18			
1 22	11 12.54	+18 43.1	1.931	2.741	13.9	20.3
2 1	11 9.15	+20 15.0	1.860	2.747	10.9	20.1
2 11	11 3.40	+21 52.5	1.813	2.752	7.8	19.9
2 21	10 55.83	+23 26.9	1.793	2.757	5.7	19.8
3 2	10 47.32	+24 48.8	1.802	2.763	6.2	19.9
3 12	10 38.95	+25 50.7	1.838	2.768	8.9	20.0
3 22	10 31.71	+26 28.7	1.899	2.773	12.0	20.2
4 1	10 26.42	+26 42.4	1.982	2.778	14.8	20.4
170314 2003 SG_{44}			2 29.9 140°71 2°7/ 3.7 18			
1 22	11 14.81	− 3 35.5	2.061	2.793	15.7	21.4
2 1	11 10.62	− 3 20.2	1.974	2.806	12.9	21.2
2 11	11 4.24	− 2 45.5	1.908	2.818	9.4	21.0
2 21	10 56.20	− 1 53.1	1.867	2.829	5.7	20.8
3 2	10 47.29	− 0 47.2	1.855	2.839	2.8	20.6
3 12	10 38.49	+ 0 25.9	1.872	2.849	4.5	20.7
3 22	10 30.72	+ 1 39.2	1.918	2.858	8.1	21.0
4 1	10 24.72	+ 2 46.2	1.990	2.866	11.6	21.2
367570 2009 SV_{141}			2 29.9 161°41 0°4/29.6 18			
1 22	11 14.63	+ 6 35.1	2.259	3.027	13.5	21.6
2 1	11 10.30	+ 6 59.9	2.169	3.033	10.6	21.4
2 11	11 3.94	+ 7 35.8	2.103	3.037	7.2	21.2
2 21	10 56.04	+ 8 19.3	2.064	3.041	3.4	20.9
3 2	10 47.31	+ 9 5.6	2.054	3.045	0.7	20.7
3 12	10 38.68	+ 9 49.2	2.075	3.048	4.6	21.0
3 22	10 30.98	+10 25.6	2.124	3.051	8.2	21.2
4 1	10 24.91	+10 51.5	2.199	3.053	11.5	21.4
56206 1999 GU_{34}			2 29.9 283°75 0°9/ 1.7 18			
1 22	11 13.34	+ 3 25.2	1.885	2.657	15.7	19.6
2 1	11 10.01	+ 3 29.5	1.775	2.637	12.6	19.3
2 11	11 4.21	+ 3 48.9	1.686	2.617	8.9	19.0
2 21	10 56.36	+ 4 21.2	1.623	2.597	4.7	18.7
3 2	10 47.26	+ 5 2.4	1.587	2.577	1.0	18.4
3 12	10 37.98	+ 5 46.6	1.579	2.557	5.0	18.7
3 22	10 29.64	+ 6 27.5	1.599	2.537	9.6	18.9
4 1	10 23.20	+ 6 59.9	1.643	2.517	13.7	19.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
353406 2011 PK_{15}			2 29.9 241°69 3°8/ 4.7 17			
	h m	° ′			°	m
1 22	11 12.69	− 5 3.9	2.460	3.177	13.9	20.4
2 1	11 8.72	− 5 30.7	2.357	3.174	11.6	20.2
2 11	11 2.86	− 5 42.9	2.275	3.171	8.8	20.0
2 21	10 55.53	− 5 40.3	2.218	3.168	6.0	19.8
3 2	10 47.37	− 5 24.1	2.190	3.164	3.9	19.7
3 12	10 39.19	− 4 57.3	2.191	3.161	4.7	19.7
3 22	10 31.77	− 4 24.2	2.220	3.158	7.3	19.9
4 1	10 25.80	− 3 49.4	2.276	3.154	10.2	20.0
135633 2002 JL_{83}			2 29.9 256°15 1°4/ 2.2 17			
1 22	11 14.48	+ 1 10.9	1.922	2.682	15.8	21.5
2 1	11 10.88	+ 1 23.3	1.809	2.663	12.9	21.3
2 11	11 4.81	+ 1 53.4	1.717	2.643	9.2	21.0
2 21	10 56.66	+ 2 39.3	1.650	2.622	5.0	20.7
3 2	10 47.23	+ 3 36.8	1.611	2.601	1.4	20.4
3 12	10 37.57	+ 4 39.6	1.601	2.579	4.9	20.6
3 22	10 28.82	+ 5 40.3	1.618	2.556	9.5	20.8
4 1	10 21.95	+ 6 32.7	1.661	2.534	13.6	21.0
276276 2002 SX_{60}			2 29.9 101°96 2°6/27.7 18			
1 22	11 17.23	+11 42.1	1.913	2.702	14.9	21.6
2 1	11 12.54	+12 31.6	1.848	2.724	11.5	21.4
2 11	11 5.51	+13 30.1	1.806	2.746	7.7	21.2
2 21	10 56.77	+14 31.4	1.790	2.767	3.9	21.0
3 2	10 47.25	+15 28.3	1.804	2.788	3.0	21.0
3 12	10 38.03	+16 14.2	1.847	2.809	6.3	21.3
3 22	10 30.07	+16 45.1	1.917	2.828	9.9	21.5
4 1	10 24.11	+16 59.3	2.011	2.848	13.1	21.8
110097 2001 SD_{123}			2 29.9 80°22 3°1/ 4.5 18			
1 22	11 9.54	− 5 5.8	2.287	3.016	14.5	19.7
2 1	11 6.31	− 4 56.5	2.198	3.025	11.9	19.5
2 11	11 1.22	− 4 29.0	2.130	3.034	8.9	19.4
2 21	10 54.72	− 3 44.6	2.087	3.044	5.7	19.2
3 2	10 47.48	− 2 46.5	2.072	3.053	3.2	19.0
3 12	10 40.32	− 1 39.9	2.086	3.062	4.2	19.1
3 22	10 34.02	− 0 31.0	2.129	3.071	7.3	19.3
4 1	10 29.20	+ 0 34.3	2.198	3.080	10.3	19.5
466787 2015 BO_{15}			2 29.9 166°82 1°8/28.1 17			
1 22	11 11.49	+ 9 23.3	2.152	2.939	13.5	21.5
2 1	11 8.02	+10 13.5	2.065	2.940	10.5	21.3
2 11	11 2.49	+11 14.9	2.001	2.941	7.1	21.1
2 21	10 55.37	+12 22.4	1.964	2.943	3.4	20.8
3 2	10 47.41	+13 29.5	1.957	2.944	2.1	20.8
3 12	10 39.51	+14 29.7	1.978	2.944	5.5	21.0
3 22	10 32.55	+15 17.8	2.028	2.945	9.1	21.2
4 1	10 27.23	+15 50.6	2.102	2.946	12.4	21.4
104037 2000 EK_{4}			2 29.9 109°06 0°1/29.9 18			
1 22	11 11.29	+ 4 43.2	2.190	2.961	13.8	21.1
2 1	11 7.76	+ 5 12.9	2.104	2.968	10.9	20.9
2 11	11 2.25	+ 5 55.8	2.040	2.974	7.4	20.7
2 21	10 55.23	+ 6 48.3	2.003	2.980	3.6	20.4
3 2	10 47.43	+ 7 45.2	1.995	2.986	0.4	20.2
3 12	10 39.72	+ 8 40.8	2.016	2.992	4.4	20.5
3 22	10 32.92	+ 9 29.6	2.066	2.998	8.1	20.7
4 1	10 27.72	+10 7.8	2.141	3.003	11.4	20.9
113275 2002 RA_{155}			2 29.9 114°31 4°9/24.4 18			
1 22	11 13.38	+20 45.4	2.352	3.152	12.1	19.9
2 1	11 9.30	+21 52.6	2.283	3.162	9.5	19.7
2 11	11 3.22	+23 1.7	2.238	3.172	6.8	19.6
2 21	10 55.67	+24 5.9	2.222	3.182	5.0	19.5
3 2	10 47.39	+24 58.8	2.234	3.192	5.4	19.5
3 12	10 39.28	+25 35.3	2.275	3.202	7.6	19.7
3 22	10 32.16	+25 53.1	2.342	3.211	10.2	19.8
4 1	10 26.68	+25 51.9	2.432	3.220	12.6	20.0
96111 4243 T-2			2 29.9 112°78 2°5/27.6 18			
1 22	11 15.02	+12 29.0	2.022	2.814	14.1	20.2
2 1	11 10.83	+13 8.0	1.945	2.823	11.0	20.0
2 11	11 4.40	+13 55.1	1.891	2.832	7.4	19.8
2 21	10 56.28	+14 44.8	1.864	2.841	3.8	19.6
3 2	10 47.32	+15 30.6	1.866	2.850	2.9	19.5
3 12	10 38.54	+16 6.9	1.896	2.858	6.1	19.7
3 22	10 30.87	+16 29.5	1.954	2.867	9.7	20.0
4 1	10 25.05	+16 36.8	2.036	2.875	12.9	20.2
18911 2000 OY_{31}			2 29.9 226°14 0°8/28.9 18			
1 22	11 8.60	+ 5 17.3	2.544	3.314	12.1	18.6
2 1	11 5.48	+ 6 20.3	2.443	3.308	9.5	18.4
2 11	11 0.63	+ 7 36.8	2.367	3.303	6.4	18.2
2 21	10 54.45	+ 9 2.7	2.319	3.297	3.0	17.9
3 2	10 47.52	+10 32.2	2.301	3.291	1.1	17.8
3 12	10 40.58	+11 58.7	2.314	3.284	4.4	18.0
3 22	10 34.34	+13 16.5	2.356	3.278	7.8	18.2
4 1	10 29.41	+14 21.2	2.425	3.271	10.8	18.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
215056 2009 DN_{75}			2 29.9 293°.74 0°.7/29.3 17			
	h m	° ′			°	m
1 22	11 9.88	+ 7 6.7	2.303	3.082	13.0	20.8
2 1	11 6.69	+ 7 36.4	2.203	3.072	10.2	20.6
2 11	11 1.57	+ 8 17.4	2.125	3.063	6.9	20.4
2 21	10 54.95	+ 9 6.1	2.075	3.053	3.3	20.1
3 2	10 47.48	+ 9 57.8	2.053	3.043	1.0	19.9
3 12	10 39.99	+10 46.9	2.061	3.034	4.6	20.2
3 22	10 33.30	+11 28.4	2.096	3.024	8.3	20.4
4 1	10 28.10	+11 58.8	2.157	3.015	11.6	20.6
179833 2002 TB_{180}			2 29.9 76°.01 3°.0/27.9 18			
1 22	11 22.10	+14 34.1	1.676	2.470	16.4	19.6
2 1	11 16.66	+14 47.5	1.611	2.489	12.8	19.4
2 11	11 8.46	+15 6.7	1.568	2.508	8.7	19.2
2 21	10 58.24	+15 25.7	1.551	2.527	4.5	19.0
3 2	10 47.12	+15 38.3	1.561	2.546	3.3	18.9
3 12	10 36.45	+15 39.5	1.601	2.565	6.8	19.2
3 22	10 27.36	+15 27.2	1.667	2.583	10.8	19.4
4 1	10 20.68	+15 1.1	1.757	2.602	14.3	19.7
170270 2003 QG_{77}			2 29.9 241°.25 1°.8/ 2.7 17			
1 22	11 14.86	− 0 30.1	2.072	2.819	15.2	21.6
2 1	11 10.98	− 0 13.9	1.957	2.801	12.5	21.3
2 11	11 4.77	+ 0 20.3	1.863	2.783	9.0	21.1
2 21	10 56.62	+ 1 11.0	1.794	2.763	5.1	20.8
3 2	10 47.28	+ 2 14.4	1.754	2.743	1.8	20.5
3 12	10 37.74	+ 3 24.2	1.744	2.722	4.6	20.7
3 22	10 29.03	+ 4 33.4	1.762	2.700	8.9	20.9
4 1	10 22.08	+ 5 35.4	1.806	2.677	12.8	21.1
233922 2009 TT_{1}			2 29.9 147°.71 0°.8/29.1 18			
1 22	11 14.49	+ 7 28.5	2.595	3.359	12.1	21.6
2 1	11 9.87	+ 8 5.3	2.510	3.371	9.4	21.5
2 11	11 3.48	+ 8 51.7	2.449	3.383	6.3	21.3
2 21	10 55.78	+ 9 43.8	2.416	3.394	3.0	21.1
3 2	10 47.41	+10 37.0	2.414	3.404	1.0	20.9
3 12	10 39.15	+11 26.4	2.443	3.413	4.3	21.2
3 22	10 31.72	+12 7.8	2.502	3.422	7.5	21.4
4 1	10 25.73	+12 38.4	2.587	3.430	10.3	21.6
154924 2004 SD_{40}			2 29.9 140°.01 0°.4/29.6 17			
1 22	11 12.52	+ 5 42.8	2.140	2.914	14.0	20.9
2 1	11 8.79	+ 6 15.6	2.054	2.920	11.0	20.7
2 11	11 2.99	+ 7 1.4	1.990	2.925	7.5	20.5
2 21	10 55.62	+ 7 56.1	1.953	2.930	3.6	20.2
3 2	10 47.42	+ 8 54.4	1.944	2.935	0.7	20.0
3 12	10 39.31	+ 9 50.2	1.966	2.940	4.7	20.3
3 22	10 32.16	+10 38.0	2.015	2.944	8.5	20.5
4 1	10 26.66	+11 14.0	2.090	2.948	11.8	20.8
269761 1999 SN_{21}			2 29.9 109°.65 1°.1/28.9 18			
1 22	11 14.38	+ 8 40.8	2.129	2.908	13.9	21.2
2 1	11 10.19	+ 9 6.1	2.048	2.919	10.8	21.0
2 11	11 3.90	+ 9 41.4	1.991	2.929	7.3	20.8
2 21	10 56.03	+10 22.4	1.960	2.939	3.4	20.5
3 2	10 47.38	+11 4.0	1.959	2.948	1.4	20.4
3 12	10 38.88	+11 40.8	1.987	2.958	5.0	20.7
3 22	10 31.41	+12 8.5	2.043	2.967	8.7	20.9
4 1	10 25.66	+12 24.4	2.124	2.976	11.9	21.1
304404 2006 TM_{28}			2 29.9 203°.77 3°.5/ 5.7 17			
1 22	11 9.29	− 8 34.5	3.032	3.722	12.0	21.9
2 1	11 5.72	− 8 27.5	2.921	3.718	10.1	21.7
2 11	11 0.65	− 8 4.8	2.831	3.713	7.8	21.6
2 21	10 54.42	− 7 26.8	2.767	3.707	5.5	21.4
3 2	10 47.56	− 6 35.4	2.731	3.701	3.7	21.3
3 12	10 40.68	− 5 34.0	2.726	3.695	4.0	21.3
3 22	10 34.39	− 4 27.1	2.751	3.688	6.1	21.4
4 1	10 29.20	− 3 19.8	2.804	3.681	8.5	21.6
3453 Dostoevsky			2 29.9 268°.94 2°.1/ 2.5 18			
1 22	11 14.89	+ 1 8.8	1.667	2.436	17.5	16.2
2 1	11 11.48	+ 1 0.3	1.569	2.427	14.2	15.9
2 11	11 5.34	+ 1 9.4	1.491	2.418	10.3	15.6
2 21	10 56.97	+ 1 34.7	1.437	2.408	5.8	15.4
3 2	10 47.26	+ 2 12.6	1.410	2.399	2.1	15.1
3 12	10 37.47	+ 2 56.8	1.410	2.389	5.3	15.3
3 22	10 28.83	+ 3 40.4	1.437	2.380	10.0	15.5
4 1	10 22.37	+ 4 17.3	1.488	2.370	14.3	15.7
135642 2002 JD_{102}			2 29.9 287°.91 0°.1/ 1.0 17			
1 22	11 12.63	+ 4 36.8	1.591	2.380	17.4	20.4
2 1	11 9.91	+ 4 57.5	1.490	2.364	13.9	20.1
2 11	11 4.40	+ 5 36.5	1.410	2.348	9.7	19.8
2 21	10 56.57	+ 6 30.4	1.354	2.331	4.8	19.5
3 2	10 47.31	+ 7 33.1	1.324	2.315	0.5	19.1
3 12	10 37.88	+ 8 36.0	1.321	2.298	5.9	19.5
3 22	10 29.60	+ 9 31.1	1.344	2.282	11.0	19.7
4 1	10 23.54	+10 12.1	1.390	2.266	15.6	19.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
73521 2003 MD_{1}			2 29.9 210°.74 2°.5/ 3.1 18			
	h m	° ′			°	m
1 22	11 15.76	− 1 12.0	1.967	2.712	16.0	20.5
2 1	11 11.69	− 1 12.4	1.865	2.706	13.1	20.3
2 11	11 5.23	− 0 55.2	1.784	2.700	9.6	20.0
2 21	10 56.83	− 0 21.6	1.727	2.693	5.6	19.8
3 2	10 47.30	+ 0 25.1	1.699	2.686	2.5	19.6
3 12	10 37.71	+ 1 19.4	1.700	2.678	4.8	19.7
3 22	10 29.11	+ 2 14.5	1.729	2.669	8.8	19.9
4 1	10 22.38	+ 3 4.5	1.784	2.660	12.7	20.1
258285 2001 UV_{41}			2 29.9 63°.53 2°.1/28.3 18			
1 22	11 14.79	+ 9 53.8	1.651	2.449	16.4	20.5
2 1	11 11.02	+10 36.0	1.588	2.469	12.8	20.3
2 11	11 4.68	+11 30.0	1.547	2.490	8.5	20.1
2 21	10 56.46	+12 29.4	1.532	2.510	4.1	19.9
3 2	10 47.36	+13 26.4	1.544	2.531	2.5	19.8
3 12	10 38.61	+14 13.7	1.584	2.552	6.4	20.1
3 22	10 31.23	+14 46.3	1.650	2.573	10.5	20.4
4 1	10 26.03	+15 1.9	1.739	2.593	14.0	20.7
166984 2003 OX_{25}			2 29.9 130°.54 0°.9/ 1.8 18			
1 22	11 16.21	+ 2 9.4	1.900	2.661	16.0	21.2
2 1	11 11.89	+ 2 30.5	1.819	2.674	12.7	21.0
2 11	11 5.20	+ 3 7.9	1.760	2.687	8.9	20.8
2 21	10 56.72	+ 3 58.6	1.726	2.699	4.6	20.5
3 2	10 47.33	+ 4 57.1	1.720	2.711	0.9	20.3
3 12	10 38.09	+ 5 56.7	1.745	2.722	4.7	20.6
3 22	10 30.02	+ 6 50.9	1.797	2.732	8.9	20.9
4 1	10 23.89	+ 7 34.8	1.874	2.742	12.5	21.1
435873 2008 YX_{99}			2 29.9 8°.50 0°.2/29.9 17			
1 22	11 10.26	+ 5 42.2	1.924	2.708	14.9	21.5
2 1	11 7.31	+ 6 2.6	1.838	2.709	11.8	21.3
2 11	11 2.14	+ 6 36.5	1.774	2.711	8.1	21.1
2 21	10 55.27	+ 7 20.3	1.735	2.713	3.9	20.8
3 2	10 47.50	+ 8 8.7	1.724	2.715	0.5	20.6
3 12	10 39.81	+ 8 55.3	1.741	2.717	4.9	20.9
3 22	10 33.14	+ 9 34.8	1.786	2.721	9.0	21.1
4 1	10 28.25	+10 2.9	1.854	2.724	12.6	21.4
229981 1999 VC_{182}			2 29.9 49°.86 1°.3/ 2.2 18			
1 22	11 11.63	+ 1 37.0	1.845	2.616	16.0	20.8
2 1	11 8.39	+ 1 48.8	1.766	2.626	12.8	20.6
2 11	11 2.87	+ 2 17.2	1.707	2.636	9.0	20.4
2 21	10 55.62	+ 2 59.6	1.674	2.647	4.8	20.1
3 2	10 47.47	+ 3 51.1	1.668	2.658	1.3	19.9
3 12	10 39.48	+ 4 45.1	1.690	2.669	4.6	20.2
3 22	10 32.59	+ 5 35.4	1.739	2.680	8.7	20.4
4 1	10 27.57	+ 6 16.7	1.813	2.691	12.4	20.7
322392 2011 QU_{50}			2 29.9 295°.02 2°.9/ 4.2 17			
1 22	11 9.15	− 4 7.6	2.356	3.088	14.0	20.6
2 1	11 6.06	− 4 3.4	2.254	3.085	11.5	20.4
2 11	11 1.12	− 3 42.2	2.174	3.081	8.6	20.2
2 21	10 54.75	− 3 5.1	2.119	3.077	5.5	20.0
3 2	10 47.57	− 2 14.6	2.091	3.073	3.1	19.8
3 12	10 40.38	− 1 15.7	2.093	3.070	4.2	19.9
3 22	10 33.96	− 0 13.8	2.124	3.066	7.3	20.1
4 1	10 28.96	+ 0 45.4	2.180	3.062	10.4	20.3
134691 1999 XR_{61}			2 29.9 194°.63 0°.4/ 1.4 18			
1 22	11 14.71	+ 3 21.2	2.117	2.878	14.5	20.5
2 1	11 10.63	+ 3 48.1	2.019	2.876	11.6	20.3
2 11	11 4.36	+ 4 30.0	1.944	2.873	8.0	20.1
2 21	10 56.36	+ 5 23.6	1.895	2.870	4.0	19.8
3 2	10 47.38	+ 6 24.1	1.875	2.866	0.5	19.6
3 12	10 38.41	+ 7 24.9	1.885	2.861	4.6	19.9
3 22	10 30.38	+ 8 20.2	1.924	2.856	8.6	20.1
4 1	10 24.07	+ 9 5.1	1.988	2.850	12.2	20.3
59945 1999 RH_{202}			2 29.9 268°.29 3°.2/ 4.4 18			
1 22	11 11.37	− 3 55.6	2.576	3.298	13.2	19.2
2 1	11 7.65	− 4 13.3	2.467	3.290	10.9	19.0
2 11	11 2.14	− 4 17.1	2.381	3.282	8.2	18.8
2 21	10 55.23	− 4 7.2	2.320	3.274	5.4	18.6
3 2	10 47.52	− 3 45.2	2.287	3.265	3.3	18.5
3 12	10 39.76	− 3 14.3	2.284	3.257	4.2	18.5
3 22	10 32.70	− 2 38.6	2.310	3.249	7.0	18.7
4 1	10 26.98	− 2 2.6	2.362	3.240	9.9	18.9
384223 2009 DG_{17}			2 29.9 255°.48 1°.4/ 2.3 17			
1 22	11 12.83	+ 2 21.5	2.419	3.171	13.2	20.6
2 1	11 8.86	+ 2 16.0	2.317	3.167	10.6	20.4
2 11	11 2.98	+ 2 22.0	2.239	3.162	7.5	20.2
2 21	10 55.64	+ 2 38.0	2.187	3.158	4.1	20.0
3 2	10 47.48	+ 3 1.1	2.164	3.153	1.4	19.8
3 12	10 39.32	+ 3 27.5	2.171	3.148	3.9	19.9
3 22	10 31.95	+ 3 53.2	2.206	3.144	7.4	20.1
4 1	10 26.06	+ 4 14.4	2.268	3.139	10.5	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
290369 2005 SK_{272}			2 29.9 221°.15		2°.9/ 3.9	17
	h m	° ′			°	m
1 22	11 12.36	− 3 54.5	2.213	2.944	14.8	22.0
2 1	11 8.77	− 3 43.7	2.106	2.936	12.2	21.8
2 11	11 3.09	− 3 14.4	2.020	2.928	9.1	21.6
2 21	10 55.76	− 2 27.4	1.959	2.919	5.7	21.3
3 2	10 47.46	− 1 26.0	1.926	2.909	3.0	21.1
3 12	10 39.09	− 0 15.6	1.923	2.899	4.4	21.2
3 22	10 31.53	+ 0 57.2	1.948	2.889	7.9	21.4
4 1	10 25.58	+ 2 5.9	2.000	2.878	11.4	21.6
317620 2003 BL_{31}			2 29.9 311°.69		0°.6/29.5	17
1 22	11 9.15	+ 5 17.8	1.591	2.390	17.0	19.8
2 1	11 7.18	+ 5 52.8	1.489	2.369	13.5	19.5
2 11	11 2.56	+ 6 47.0	1.407	2.348	9.3	19.2
2 21	10 55.70	+ 7 56.5	1.349	2.328	4.5	18.9
3 2	10 47.45	+ 9 14.3	1.317	2.308	1.0	18.6
3 12	10 39.02	+10 30.9	1.312	2.288	6.2	18.9
3 22	10 31.65	+11 37.4	1.333	2.269	11.2	19.1
4 1	10 26.43	+12 27.0	1.376	2.251	15.8	19.3
340706 2006 SU_{38}			2 29.9 178°.22		1°.2/28.8	17
1 22	11 13.61	+10 15.0	2.518	3.294	12.1	20.7
2 1	11 9.33	+10 31.7	2.426	3.294	9.4	20.5
2 11	11 3.21	+10 55.7	2.358	3.295	6.4	20.3
2 21	10 55.71	+11 23.4	2.317	3.295	3.0	20.1
3 2	10 47.47	+11 50.7	2.306	3.295	1.4	20.0
3 12	10 39.32	+12 13.5	2.326	3.295	4.5	20.2
3 22	10 31.98	+12 28.6	2.374	3.295	7.8	20.4
4 1	10 26.11	+12 33.9	2.448	3.294	10.7	20.6
468875 2013 RS_{31}			2 29.9 101°.36		6°.1/ 7.7	18
1 22	11 14.93	−13 27.7	2.439	3.101	15.2	21.2
2 1	11 10.38	−14 2.1	2.357	3.124	13.1	21.1
2 11	11 3.92	−14 16.9	2.294	3.146	10.6	21.0
2 21	10 56.04	−14 11.0	2.255	3.167	8.2	20.8
3 2	10 47.44	−13 44.9	2.243	3.188	6.4	20.8
3 12	10 38.97	−13 2.0	2.260	3.209	6.2	20.8
3 22	10 31.42	−12 7.3	2.304	3.229	7.8	20.9
4 1	10 25.41	−11 7.1	2.375	3.249	10.0	21.1
299301 2005 QX_{37}			2 29.9 249°.16		2°.9/27.0	18
1 22	11 18.53	+17 34.9	2.825	3.600	10.9	20.1
2 1	11 13.07	+17 50.8	2.717	3.584	8.6	19.9
2 11	11 5.72	+18 8.6	2.634	3.568	6.0	19.7
2 21	10 56.93	+18 24.4	2.580	3.552	3.5	19.5
3 2	10 47.34	+18 34.0	2.558	3.535	3.2	19.5
3 12	10 37.75	+18 34.1	2.566	3.517	5.5	19.6
3 22	10 28.93	+18 22.8	2.604	3.499	8.3	19.8
4 1	10 21.56	+17 59.4	2.668	3.481	10.9	19.9
423741 2006 BH_{238}			2 29.9 74°.35		1°.2/28.9	17
1 22	11 13.24	+ 8 28.2	1.937	2.724	14.8	21.9
2 1	11 9.60	+ 8 56.3	1.854	2.728	11.6	21.7
2 11	11 3.69	+ 9 36.0	1.793	2.732	7.8	21.5
2 21	10 56.02	+10 22.6	1.758	2.736	3.7	21.3
3 2	10 47.44	+11 10.4	1.751	2.741	1.5	21.1
3 12	10 38.98	+11 52.9	1.773	2.745	5.4	21.4
3 22	10 31.59	+12 25.3	1.822	2.749	9.4	21.6
4 1	10 26.06	+12 44.4	1.896	2.753	12.9	21.8
67734 2000 UE_{26}			2 29.9 254°.88		3°.6/26.9	18
1 22	11 13.53	+12 4.1	1.587	2.396	16.5	18.8
2 1	11 10.51	+13 8.6	1.505	2.393	12.9	18.5
2 11	11 4.69	+14 26.7	1.444	2.389	8.8	18.3
2 21	10 56.65	+15 50.5	1.408	2.386	4.7	18.0
3 2	10 47.36	+17 10.0	1.400	2.382	4.2	18.0
3 12	10 38.13	+18 15.7	1.418	2.378	8.0	18.2
3 22	10 30.20	+19 1.0	1.462	2.375	12.3	18.4
4 1	10 24.55	+19 22.9	1.528	2.371	16.2	18.7
287707 2003 QT_{59}			2 29.9 215°.87		2°.2/28.1	17
1 22	11 20.05	+12 11.8	2.218	2.992	13.5	21.6
2 1	11 14.80	+12 39.9	2.114	2.982	10.7	21.4
2 11	11 7.22	+13 15.8	2.035	2.972	7.3	21.1
2 21	10 57.77	+13 54.8	1.983	2.960	3.7	20.9
3 2	10 47.26	+14 31.4	1.962	2.947	2.5	20.8
3 12	10 36.71	+14 59.9	1.971	2.934	5.8	21.0
3 22	10 27.12	+15 16.6	2.008	2.919	9.6	21.2
4 1	10 19.36	+15 19.4	2.071	2.904	12.9	21.4
236839 2007 RN_{91}			2 29.9 341°.95		0°.2/ 1.2	17
1 22	11 10.40	+ 5 0.1	1.871	2.655	15.3	21.0
2 1	11 7.56	+ 5 14.7	1.779	2.649	12.2	20.8
2 11	11 2.42	+ 5 43.6	1.708	2.644	8.4	20.6
2 21	10 55.47	+ 6 23.6	1.662	2.639	4.2	20.3
3 2	10 47.51	+ 7 9.6	1.644	2.635	0.4	20.0
3 12	10 39.58	+ 7 55.4	1.654	2.631	4.9	20.3
3 22	10 32.66	+ 8 35.0	1.690	2.628	9.2	20.6
4 1	10 27.58	+ 9 4.0	1.751	2.625	13.0	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
503747 2016 LV_{43}			2 29.9 154°.36		0°.7/28.9	17
	h m	° ′			°	m
1 22	11 9.33	+ 4 33.8	2.793	3.553	11.4	21.6
2 1	11 5.84	+ 5 50.1	2.699	3.559	8.9	21.4
2 11	11 0.77	+ 7 19.4	2.631	3.565	6.0	21.2
2 21	10 54.52	+ 8 57.1	2.593	3.570	2.8	21.0
3 2	10 47.63	+10 37.7	2.585	3.575	1.0	20.9
3 12	10 40.78	+12 14.6	2.610	3.580	4.1	21.1
3 22	10 34.59	+13 42.5	2.666	3.584	7.2	21.3
4 1	10 29.62	+14 57.1	2.749	3.588	9.9	21.5
298769 2004 NE_{6}			2 29.9 242°.35		0°.2/ 1.1	17
1 22	11 15.57	+ 3 40.3	1.838	2.609	16.1	22.1
2 1	11 11.87	+ 4 11.1	1.730	2.592	12.9	21.8
2 11	11 5.58	+ 4 59.9	1.643	2.575	9.0	21.5
2 21	10 57.12	+ 6 3.4	1.581	2.557	4.5	21.2
3 2	10 47.32	+ 7 15.8	1.547	2.538	0.5	20.9
3 12	10 37.32	+ 8 29.1	1.543	2.519	5.4	21.2
3 22	10 28.30	+ 9 35.4	1.566	2.498	10.2	21.4
4 1	10 21.28	+10 28.5	1.613	2.477	14.4	21.6
492649 2014 OY_{372}			2 29.9 227°.60		0°.5/29.5	18
1 22	11 13.76	+ 4 49.8	1.732	2.514	16.5	21.6
2 1	11 10.48	+ 5 33.1	1.636	2.507	13.1	21.3
2 11	11 4.60	+ 6 34.7	1.562	2.499	9.0	21.1
2 21	10 56.61	+ 7 50.3	1.513	2.491	4.3	20.8
3 2	10 47.38	+ 9 12.5	1.492	2.483	0.9	20.5
3 12	10 38.11	+10 32.2	1.500	2.474	5.8	20.8
3 22	10 29.94	+11 41.3	1.534	2.465	10.5	21.1
4 1	10 23.85	+12 34.1	1.592	2.455	14.6	21.3
193911 2001 QW_{252}			3 1.0 240°.52		1°.6/28.7	18
1 22	11 13.82	+ 6 41.5	1.632	2.425	16.9	20.8
2 1	11 10.75	+ 7 37.3	1.537	2.414	13.4	20.5
2 11	11 4.93	+ 8 52.1	1.463	2.404	9.1	20.2
2 21	10 56.83	+10 20.2	1.414	2.393	4.3	19.9
3 2	10 47.36	+11 52.9	1.392	2.381	2.0	19.7
3 12	10 37.80	+13 19.7	1.399	2.369	6.7	20.0
3 22	10 29.41	+14 31.9	1.431	2.357	11.5	20.2
4 1	10 23.23	+15 23.7	1.487	2.344	15.8	20.5
291049 2005 YC_{54}			3 1.0 271°.73		1°.8/ 2.6	17
1 22	11 12.53	+ 0 53.3	2.013	2.773	15.2	21.1
2 1	11 9.12	+ 0 54.8	1.910	2.763	12.3	20.9
2 11	11 3.46	+ 1 11.9	1.829	2.752	8.9	20.6
2 21	10 55.99	+ 1 43.1	1.772	2.742	5.0	20.4
3 2	10 47.46	+ 2 25.0	1.743	2.732	1.8	20.1
3 12	10 38.88	+ 3 11.9	1.743	2.722	4.5	20.3
3 22	10 31.21	+ 3 58.1	1.771	2.712	8.6	20.5
4 1	10 25.28	+ 4 38.2	1.824	2.701	12.4	20.7
238781 2005 JD_{147}			3 1.0 320°.79		4°.9/24.3	17
1 22	11 9.01	+17 9.4	2.038	2.850	13.3	20.3
2 1	11 6.39	+18 41.1	1.954	2.843	10.3	20.1
2 11	11 1.59	+20 20.7	1.895	2.837	7.3	19.9
2 21	10 55.06	+22 0.3	1.863	2.830	5.1	19.7
3 2	10 47.57	+23 30.7	1.859	2.824	5.7	19.8
3 12	10 40.10	+24 44.0	1.884	2.818	8.4	19.9
3 22	10 33.59	+25 35.3	1.934	2.813	11.5	20.1
4 1	10 28.81	+26 2.8	2.006	2.807	14.4	20.3
385052 2012 UM_{35}			3 1.0 102°.93		3°.2/ 4.8	17
1 22	11 9.78	− 5 43.4	2.515	3.233	13.6	21.1
2 1	11 6.35	− 5 40.0	2.422	3.241	11.2	21.0
2 11	11 1.20	− 5 20.0	2.351	3.250	8.5	20.8
2 21	10 54.75	− 4 44.3	2.306	3.258	5.6	20.6
3 2	10 47.62	− 3 55.4	2.288	3.266	3.4	20.5
3 12	10 40.56	− 2 57.8	2.300	3.274	4.1	20.6
3 22	10 34.26	− 1 56.7	2.341	3.282	6.8	20.7
4 1	10 29.32	− 0 57.4	2.409	3.290	9.6	20.9
174299 2002 TQ_{19}			3 1.0 331°.71		2°.2/28.4	18
1 22	11 13.47	+10 12.1	1.540	2.346	17.1	20.2
2 1	11 10.53	+10 43.3	1.455	2.341	13.4	19.9
2 11	11 4.76	+11 27.7	1.392	2.336	9.1	19.7
2 21	10 56.72	+12 19.5	1.352	2.331	4.4	19.4
3 2	10 47.41	+13 10.9	1.339	2.327	2.6	19.2
3 12	10 38.16	+13 53.5	1.353	2.323	6.9	19.5
3 22	10 30.23	+14 21.5	1.392	2.320	11.6	19.8
4 1	10 24.63	+14 31.4	1.453	2.316	15.8	20.0
434810 2006 RX_{84}			3 1.0 210°.33		1°.5/ 2.8	17
1 22	11 9.77	− 0 30.1	2.747	3.486	12.1	22.0
2 1	11 6.26	− 0 9.3	2.642	3.481	9.7	21.9
2 11	11 1.12	+ 0 24.9	2.559	3.476	7.0	21.7
2 21	10 54.73	+ 1 10.8	2.503	3.471	4.0	21.5
3 2	10 47.64	+ 2 5.2	2.477	3.465	1.5	21.3
3 12	10 40.55	+ 3 3.6	2.482	3.459	3.5	21.4
3 22	10 34.10	+ 4 1.1	2.516	3.453	6.6	21.6
4 1	10 28.89	+ 4 53.5	2.577	3.446	9.5	21.8