469584 2003 YW_{179} 2 10.9 18°.47 0°.0/10.4 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 38.54	+15 51.6	35.390	36.139	1.0	22.5
1 12	9 37.84	+15 55.5	35.290	36.140	0.8	22.5
1 22	9 37.03	+15 59.8	35.217	36.142	0.5	22.4
2 1	9 36.15	+16 4.3	35.173	36.144	0.3	22.4
2 11	9 35.24	+16 8.9	35.159	36.145	0.0	22.3
2 21	9 34.32	+16 13.4	35.176	36.147	0.3	22.4
3 2	9 33.44	+16 17.7	35.223	36.149	0.6	22.4
3 12	9 32.63	+16 21.5	35.299	36.150	0.8	22.5

325292 2008 HO_{15} 2 10.9 252°.61 0°.1/11.1 17

1 2	10 0.84	+10 51.1	2.209	2.961	14.2	22.2
1 12	9 57.40	+11 21.9	2.095	2.944	11.5	22.0
1 22	9 51.68	+12 6.6	2.003	2.925	8.1	21.7
2 1	9 44.06	+13 2.2	1.937	2.906	4.2	21.4
2 11	9 35.23	+14 4.1	1.900	2.887	0.1	21.0
2 21	9 26.11	+15 6.5	1.894	2.867	4.3	21.4
3 2	9 17.72	+16 3.5	1.916	2.847	8.4	21.6
3 12	9 10.96	+16 50.9	1.965	2.826	12.1	21.8

495536 2014 WK_{82} 2 10.9 182°.39 2°.8/ 8.6 18

1 2	10 3.29	+19 6.1	2.108	2.881	14.2	22.0
1 12	9 59.36	+19 58.9	2.018	2.882	11.2	21.8
1 22	9 52.99	+21 0.3	1.952	2.882	7.8	21.6
2 1	9 44.67	+22 4.6	1.912	2.882	4.3	21.4
2 11	9 35.23	+23 4.8	1.902	2.881	3.0	21.3
2 21	9 25.70	+23 54.7	1.921	2.880	5.9	21.5
3 2	9 17.15	+24 30.1	1.968	2.878	9.5	21.7
3 12	9 10.48	+24 49.3	2.041	2.876	12.7	21.9

136123 2003 QK_{40} 2 10.9 158°.12 0°.4/10.7 18

1 2	10 5.08	+13 0.9	1.987	2.744	15.4	21.4
1 12	10 0.77	+13 23.3	1.899	2.751	12.3	21.2
1 22	9 53.96	+13 57.6	1.832	2.757	8.6	21.0
2 1	9 45.15	+14 40.0	1.792	2.762	4.4	20.8
2 11	9 35.23	+15 25.1	1.780	2.767	0.4	20.4
2 21	9 25.27	+16 7.4	1.798	2.771	4.6	20.8
3 2	9 16.38	+16 42.1	1.845	2.774	8.8	21.0
3 12	9 9.46	+17 6.4	1.918	2.777	12.4	21.3

468529 2005 YN_{192} 2 10.9 353°.14 0°.4/11.2 18

1 2	10 0.71	+12 28.9	1.723	2.498	16.8	21.4
1 12	9 57.76	+12 27.5	1.634	2.496	13.5	21.1
1 22	9 52.12	+12 38.3	1.565	2.493	9.5	20.9
2 1	9 44.30	+12 58.8	1.521	2.491	5.0	20.6
2 11	9 35.24	+13 24.3	1.503	2.490	0.4	20.2
2 21	9 26.09	+13 49.9	1.514	2.489	4.8	20.6
3 2	9 18.07	+14 10.7	1.551	2.489	9.4	20.9
3 12	9 12.17	+14 23.4	1.612	2.489	13.4	21.1

182144 2000 SN_{47} 2 10.9 168°.01 4°.6/15.4 18

1 2	10 0.34	− 2 58.8	2.534	3.214	14.3	20.7
1 12	9 56.45	− 3 6.0	2.433	3.219	12.1	20.5
1 22	9 50.66	− 2 55.8	2.353	3.223	9.6	20.3
2 1	9 43.37	− 2 27.8	2.297	3.226	6.9	20.2
2 11	9 35.24	− 1 43.5	2.269	3.229	4.9	20.0
2 21	9 27.02	− 0 46.2	2.271	3.231	5.0	20.0
3 2	9 19.50	+ 0 19.2	2.303	3.233	7.2	20.2
3 12	9 13.38	+ 1 27.2	2.362	3.234	9.9	20.4

210299 2007 TE_{109} 2 10.9 226°.70 1°.4/11.9 18

1 2	10 4.38	+ 8 39.6	1.985	2.729	15.9	21.4
1 12	10 0.41	+ 8 43.9	1.877	2.718	13.0	21.2
1 22	9 53.89	+ 9 2.5	1.791	2.707	9.4	20.9
2 1	9 45.22	+ 9 33.9	1.730	2.695	5.2	20.7
2 11	9 35.24	+10 14.1	1.698	2.683	1.5	20.4
2 21	9 24.99	+10 58.3	1.695	2.669	4.4	20.6
3 2	9 15.64	+11 40.9	1.720	2.656	8.8	20.8
3 12	9 8.20	+12 17.4	1.772	2.641	12.8	21.0

55420 2001 TV_{20} 2 10.9 87°.43 9°.0/19.9 18

1 2	9 59.28	−15 23.9	2.553	3.152	15.8	18.5
1 12	9 55.68	−16 30.4	2.462	3.161	14.2	18.4
1 22	9 50.17	−17 16.9	2.388	3.170	12.5	18.2
2 1	9 43.14	−17 39.9	2.336	3.178	10.8	18.1
2 11	9 35.24	−17 37.7	2.307	3.187	9.4	18.1
2 21	9 27.25	−17 11.0	2.303	3.196	9.0	18.0
3 2	9 19.97	−16 23.3	2.326	3.204	9.6	18.1
3 12	9 14.12	−15 20.2	2.373	3.213	11.0	18.2

426436 2013 QN_{36} 2 10.9 114°.77 0°.7/10.4 18

1 2	10 3.68	+14 45.3	2.276	3.032	13.7	22.4
1 12	9 59.21	+15 5.5	2.195	3.048	10.9	22.2
1 22	9 52.60	+15 34.3	2.137	3.063	7.5	22.0
2 1	9 44.34	+16 8.1	2.107	3.078	3.8	21.8
2 11	9 35.25	+16 42.5	2.106	3.092	0.8	21.6
2 21	9 26.22	+17 13.0	2.136	3.106	4.2	21.9
3 2	9 18.16	+17 36.2	2.194	3.120	7.8	22.1
3 12	9 11.81	+17 50.1	2.279	3.133	10.9	22.4

219827 2002 CQ_{35} 2 11.0 20°.17 1°.7/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 57.72	+ 9 13.3	1.553	2.409	14.4	19.9
1 22	9 52.11	+ 9 17.9	1.490	2.413	10.3	19.6
2 1	9 44.29	+ 9 35.7	1.450	2.417	5.8	19.4
2 11	9 35.25	+10 2.8	1.437	2.422	1.8	19.1
2 21	9 26.18	+10 34.0	1.451	2.428	4.8	19.3
3 2	9 18.31	+11 3.9	1.492	2.434	9.3	19.6
3 12	9 12.63	+11 28.0	1.557	2.440	13.4	19.9
3 22	9 9.67	+11 43.4	1.643	2.447	16.9	20.1

46615 1993 TT_{32} 2 11.0 176°.44 1°.3/ 9.9 18

1 12	9 56.58	+16 0.6	2.145	3.005	10.8	19.7
1 22	9 50.94	+16 46.8	2.076	3.005	7.5	19.5
2 1	9 43.58	+17 38.6	2.034	3.006	3.8	19.3
2 11	9 35.25	+18 30.8	2.021	3.006	1.4	19.1
2 21	9 26.85	+19 17.9	2.038	3.006	4.6	19.3
3 2	9 19.32	+19 55.7	2.083	3.006	8.3	19.6
3 12	9 13.43	+20 21.6	2.154	3.006	11.5	19.8
3 22	9 9.69	+20 34.9	2.246	3.006	14.3	20.0

467349 2003 HR_{52} 2 11.0 293°.29 6°.9/ 5.5 16

1 12	10 0.72	+30 30.6	1.758	2.627	12.3	20.9
1 22	9 54.49	+31 46.4	1.686	2.608	9.4	20.6
2 1	9 45.68	+32 56.5	1.638	2.589	7.2	20.5
2 11	9 35.27	+33 50.9	1.618	2.569	7.4	20.4
2 21	9 24.58	+34 22.4	1.624	2.550	9.8	20.5
3 2	9 15.07	+34 27.3	1.656	2.531	13.1	20.7
3 12	9 7.93	+34 6.6	1.709	2.511	16.2	20.8
3 22	9 3.85	+33 24.3	1.779	2.492	19.0	21.0

413942 2006 YW_{21} 2 11.0 71°.39 3°.7/ 8.3 18

1 12	9 59.80	+21 1.9	1.619	2.492	13.0	20.8
1 22	9 53.46	+22 12.6	1.576	2.510	9.0	20.6
2 1	9 44.92	+23 24.3	1.559	2.528	5.1	20.4
2 11	9 35.27	+24 28.2	1.569	2.547	3.9	20.4
2 21	9 25.76	+25 17.3	1.607	2.565	7.0	20.6
3 2	9 17.63	+25 47.5	1.672	2.583	10.8	20.9
3 12	9 11.80	+25 58.2	1.760	2.601	14.2	21.1
3 22	9 8.74	+25 51.3	1.867	2.619	17.0	21.3

519860 2013 NW_{28} 2 11.0 146°.52 1°.0/10.1 18

1 12	9 57.90	+14 42.9	2.206	3.060	10.8	22.0
1 22	9 51.78	+15 35.8	2.142	3.068	7.4	21.8
2 1	9 43.99	+16 35.2	2.106	3.077	3.7	21.6
2 11	9 35.28	+17 35.5	2.099	3.085	1.0	21.4
2 21	9 26.54	+18 31.2	2.123	3.092	4.4	21.7
3 2	9 18.69	+19 17.8	2.176	3.099	8.0	21.9
3 12	9 12.48	+19 52.6	2.255	3.105	11.2	22.1
3 22	9 8.38	+20 14.6	2.357	3.111	13.8	22.3

344569 2002 XL_{116} 2 11.0 0°.60 2°.9/ 8.7 17

1 12	9 56.37	+21 2.6	1.976	2.846	11.1	20.2
1 22	9 50.93	+21 44.5	1.913	2.845	7.7	20.0
2 1	9 43.62	+22 27.6	1.875	2.845	4.3	19.8
2 11	9 35.28	+23 6.1	1.866	2.845	3.0	19.7
2 21	9 26.91	+23 34.7	1.885	2.845	5.8	19.9
3 2	9 19.53	+23 50.0	1.931	2.846	9.3	20.1
3 12	9 13.98	+23 50.8	2.002	2.847	12.6	20.3
3 22	9 10.76	+23 37.9	2.093	2.849	15.3	20.5

212064 2005 EZ_{35} 2 11.0 297°.59 3°.0/12.7 17

1 12	9 58.73	+ 5 53.5	1.563	2.407	15.0	20.3
1 22	9 53.31	+ 5 59.7	1.457	2.372	11.2	20.0
2 1	9 45.24	+ 6 24.1	1.375	2.336	6.9	19.6
2 11	9 35.28	+ 7 4.6	1.318	2.300	3.1	19.3
2 21	9 24.62	+ 7 56.4	1.289	2.264	5.5	19.4
3 2	9 14.69	+ 8 52.6	1.286	2.228	10.5	19.6
3 12	9 6.86	+ 9 46.1	1.307	2.191	15.4	19.7
3 22	9 2.06	+10 31.2	1.348	2.155	19.8	19.9

29245 1992 PZ 2 11.0 138°.82 0°.8/11.7 18

1 12	9 58.56	+10 0.6	2.008	2.852	12.1	19.4
1 22	9 52.33	+10 26.4	1.941	2.860	8.6	19.2
2 1	9 44.30	+11 2.6	1.900	2.868	4.6	19.0
2 11	9 35.29	+11 44.9	1.889	2.875	0.9	18.7
2 21	9 26.25	+12 28.5	1.907	2.882	4.0	19.0
3 2	9 18.17	+13 8.5	1.954	2.888	8.0	19.2
3 12	9 11.86	+13 41.2	2.026	2.894	11.5	19.4
3 22	9 7.83	+14 4.6	2.121	2.900	14.4	19.7

110012 2001 SL_{68} 2 11.0 38°.29 4°.5/ 8.0 18

1 12	9 58.94	+22 25.6	1.377	2.259	14.2	18.3
1 22	9 53.13	+23 33.2	1.337	2.274	9.9	18.1
2 1	9 44.83	+24 40.3	1.322	2.291	5.8	17.9
2 11	9 35.28	+25 37.1	1.332	2.308	4.8	17.8
2 21	9 25.93	+26 16.1	1.369	2.326	8.0	18.1
3 2	9 18.17	+26 33.5	1.431	2.345	12.0	18.4
3 12	9 13.01	+26 29.5	1.514	2.363	15.7	18.6
3 22	9 10.89	+26 7.0	1.616	2.383	18.6	18.9

99502 2002 CW_{311} 2 11.0 69°.80 4°.0/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 59.71	+ 3 48.6	1.450	2.290	16.2	19.7
1 22	9 53.59	+ 3 44.1	1.389	2.298	12.1	19.4
2 1	9 45.10	+ 3 59.5	1.350	2.306	7.7	19.2
2 11	9 35.29	+ 4 31.9	1.337	2.315	4.2	19.0
2 21	9 25.45	+ 5 15.9	1.350	2.323	5.6	19.1
3 2	9 16.92	+ 6 4.7	1.390	2.332	9.8	19.4
3 12	9 10.75	+ 6 51.5	1.454	2.341	14.0	19.7
3 22	9 7.49	+ 7 31.2	1.538	2.349	17.5	19.9

346071 2007 UZ_{94} 2 11.0 224°.54 2°.4/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.25	+20 52.5	2.435	3.296	9.6	21.8
1 22	9 51.31	+21 33.7	2.362	3.290	6.7	21.6
2 1	9 43.76	+22 16.1	2.316	3.285	3.7	21.4
2 11	9 35.30	+22 54.7	2.300	3.279	2.6	21.3
2 21	9 26.75	+23 25.1	2.313	3.272	5.0	21.4
3 2	9 18.97	+23 44.3	2.356	3.266	8.1	21.6
3 12	9 12.73	+23 51.1	2.425	3.259	11.0	21.8
3 22	9 8.48	+23 45.6	2.515	3.252	13.5	21.9

45698 2000 EG_{197} 2 11.0 58°.07 0°.8/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.71	+12 54.0	1.370	2.236	15.3	18.8
1 22	9 54.10	+13 57.1	1.338	2.269	10.5	18.6
2 1	9 45.22	+15 10.2	1.330	2.303	5.2	18.4
2 11	9 35.30	+16 24.3	1.350	2.336	0.9	18.1
2 21	9 25.73	+17 30.9	1.397	2.370	5.6	18.5
3 2	9 17.79	+18 23.5	1.470	2.403	10.2	18.9
3 12	9 12.38	+18 59.3	1.567	2.436	14.2	19.2
3 22	9 9.87	+19 18.1	1.684	2.469	17.3	19.5

460497 2014 SS_{311} 2 11.0 113°.74 0°.3/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.68	+13 31.6	1.976	2.827	12.0	21.9
1 22	9 53.74	+14 0.0	1.921	2.845	8.3	21.7
2 1	9 44.99	+14 35.4	1.892	2.862	4.2	21.4
2 11	9 35.31	+15 12.8	1.892	2.879	0.3	21.2
2 21	9 25.72	+15 47.3	1.922	2.895	4.3	21.5
3 2	9 17.24	+16 14.9	1.982	2.911	8.2	21.8
3 12	9 10.66	+16 33.2	2.067	2.926	11.6	22.0
3 22	9 6.44	+16 41.2	2.174	2.941	14.5	22.2

337662 2001 TP_{170} 2 11.0 116°.81 2°.2/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.90	+20 47.2	2.384	3.243	9.9	20.5
1 22	9 52.36	+21 10.2	2.322	3.250	6.8	20.3
2 1	9 44.26	+21 33.4	2.287	3.257	3.7	20.1
2 11	9 35.32	+21 52.5	2.283	3.263	2.3	20.0
2 21	9 26.43	+22 3.9	2.308	3.270	4.8	20.2
3 2	9 18.45	+22 5.4	2.362	3.276	7.9	20.4
3 12	9 12.09	+21 56.3	2.443	3.283	10.8	20.6
3 22	9 7.78	+21 37.3	2.545	3.289	13.2	20.8

432039 2008 WN_{74} 2 11.0 47°.01 5°.6/15.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 55.73	− 2 47.0	1.917	2.719	14.3	21.1
1 22	9 50.44	− 2 59.2	1.849	2.727	11.3	20.9
2 1	9 43.37	− 2 50.7	1.804	2.736	8.3	20.7
2 11	9 35.32	− 2 22.5	1.785	2.745	5.9	20.6
2 21	9 27.23	− 1 38.0	1.793	2.754	6.1	20.6
3 2	9 20.05	− 0 42.6	1.829	2.763	8.5	20.8
3 12	9 14.60	+ 0 17.0	1.891	2.772	11.5	21.0
3 22	9 11.37	+ 1 14.9	1.974	2.782	14.3	21.2

456696 2007 RK_{213} 2 11.0 134°.39 0°.4/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.81	+10 55.0	1.869	2.716	12.7	22.4
1 22	9 53.97	+11 31.3	1.808	2.729	9.0	22.2
2 1	9 45.17	+12 18.1	1.774	2.742	4.7	21.9
2 11	9 35.33	+13 9.9	1.768	2.755	0.4	21.6
2 21	9 25.52	+14 1.0	1.792	2.766	4.4	22.0
3 2	9 16.81	+14 46.1	1.845	2.777	8.5	22.2
3 12	9 10.08	+15 21.4	1.924	2.788	12.2	22.5
3 22	9 5.82	+15 45.4	2.024	2.797	15.2	22.7

433572 2013 YD_{23} 2 11.0 60°.24 0°.0/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.67	+12 30.2	1.985	2.840	11.7	21.4
1 22	9 50.99	+13 0.2	1.929	2.854	8.2	21.2
2 1	9 43.61	+13 38.4	1.899	2.869	4.2	21.0
2 11	9 35.34	+14 20.0	1.897	2.883	0.0	20.6
2 21	9 27.12	+14 59.9	1.924	2.898	4.1	21.0
3 2	9 19.89	+15 34.0	1.980	2.913	8.0	21.3
3 12	9 14.42	+15 59.1	2.061	2.928	11.4	21.5
3 22	9 11.15	+16 13.9	2.164	2.943	14.2	21.7

204899 2007 UE_{56} 2 11.0 173°.39 0°.8/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 55.70	+ 9 57.1	2.327	3.170	10.7	21.0
1 22	9 50.23	+10 24.2	2.253	3.171	7.6	20.8
2 1	9 43.22	+11 0.6	2.205	3.172	4.1	20.6
2 11	9 35.34	+11 42.7	2.187	3.173	0.8	20.3
2 21	9 27.40	+12 26.3	2.198	3.173	3.6	20.6
3 2	9 20.20	+13 7.1	2.239	3.173	7.1	20.8
3 12	9 14.47	+13 41.6	2.307	3.174	10.3	21.0
3 22	9 10.67	+14 7.8	2.397	3.174	13.0	21.2

314829 2006 UY_{101} 2 11.0 122°.36 1°.9/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 57.63	+ 6 28.5	1.807	2.648	13.4	21.2
1 22	9 51.86	+ 7 3.7	1.741	2.655	9.7	21.0
2 1	9 44.15	+ 7 54.5	1.699	2.662	5.6	20.7
2 11	9 35.35	+ 8 56.2	1.685	2.669	2.0	20.5
2 21	9 26.50	+10 2.5	1.700	2.676	4.3	20.7
3 2	9 18.66	+11 7.0	1.744	2.683	8.4	20.9
3 12	9 12.72	+12 4.0	1.813	2.689	12.2	21.2
3 22	9 9.19	+12 50.0	1.904	2.695	15.4	21.4

207040 2004 XV_{10} 2 11.0 174°.98 3°.4/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.95	+20 10.2	1.621	2.491	13.1	20.4
1 22	9 54.48	+21 14.8	1.560	2.492	9.1	20.2
2 1	9 45.61	+22 22.9	1.523	2.493	5.1	19.9
2 11	9 35.36	+23 25.8	1.515	2.494	3.6	19.8
2 21	9 25.03	+24 15.6	1.534	2.494	6.9	20.0
3 2	9 15.96	+24 47.5	1.581	2.495	11.1	20.3
3 12	9 9.24	+25 0.0	1.650	2.494	14.8	20.5
3 22	9 5.44	+24 54.5	1.739	2.494	18.0	20.7

169324 2001 TU_{149} 2 11.0 153°.68 1°.0/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 55.68	+16 5.4	2.798	3.650	8.8	20.8
1 22	9 50.01	+16 47.3	2.731	3.657	6.1	20.7
2 1	9 43.03	+17 33.2	2.693	3.663	3.1	20.5
2 11	9 35.36	+18 18.9	2.685	3.670	1.1	20.3
2 21	9 27.65	+19 0.6	2.708	3.676	3.7	20.5
3 2	9 20.61	+19 35.2	2.761	3.681	6.6	20.7
3 12	9 14.85	+20 0.6	2.842	3.686	9.3	20.9
3 22	9 10.76	+20 16.0	2.945	3.691	11.5	21.1

243307 2008 KX_{12} 2 11.0 224°.29 0°.4/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.76	+10 50.1	2.209	3.053	11.1	21.7
1 22	9 51.81	+11 23.6	2.124	3.044	7.9	21.5
2 1	9 44.11	+12 6.9	2.066	3.035	4.2	21.3
2 11	9 35.36	+12 55.8	2.038	3.024	0.5	20.9
2 21	9 26.42	+13 45.5	2.040	3.014	3.9	21.2
3 2	9 18.24	+14 31.2	2.071	3.003	7.8	21.4
3 12	9 11.64	+15 9.1	2.128	2.991	11.2	21.6
3 22	9 7.16	+15 37.0	2.208	2.979	14.2	21.8

267612 2002 RT_{158} 2 11.0 31°.77 6°.3/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 53.59	− 4 47.6	1.539	2.348	16.9	19.5
1 22	9 49.14	− 4 30.8	1.489	2.370	13.4	19.3
2 1	9 42.74	− 3 45.8	1.460	2.393	9.7	19.2
2 11	9 35.35	− 2 35.6	1.456	2.417	6.8	19.0
2 21	9 28.05	− 1 6.9	1.478	2.442	6.7	19.1
3 2	9 21.92	+ 0 31.1	1.526	2.467	9.2	19.3
3 12	9 17.80	+ 2 8.6	1.599	2.493	12.5	19.5
3 22	9 16.12	+ 3 37.9	1.694	2.520	15.5	19.8

30410 2000 KU_{56} 2 11.0 196°.67 2°.9/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 55.96	+21 23.7	2.409	3.273	9.6	19.1
1 22	9 50.46	+22 29.5	2.342	3.272	6.7	18.9
2 1	9 43.37	+23 36.8	2.303	3.270	3.9	18.7
2 11	9 35.36	+24 39.6	2.293	3.269	3.1	18.7
2 21	9 27.26	+25 32.8	2.314	3.267	5.5	18.8
3 2	9 19.92	+26 12.5	2.363	3.265	8.5	19.0
3 12	9 14.10	+26 37.1	2.437	3.263	11.2	19.2
3 22	9 10.26	+26 46.9	2.532	3.260	13.6	19.4

393887 2005 TN_{83} 2 11.0 97°.44 4°.0/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.00	+ 2 39.4	1.447	2.281	16.5	21.0
1 22	9 54.44	+ 2 52.4	1.392	2.298	12.3	20.8
2 1	9 45.53	+ 3 27.3	1.360	2.315	7.8	20.5
2 11	9 35.37	+ 4 20.1	1.353	2.331	4.2	20.4
2 21	9 25.28	+ 5 24.0	1.374	2.347	5.6	20.5
3 2	9 16.58	+ 6 31.0	1.422	2.363	9.7	20.8
3 12	9 10.29	+ 7 33.5	1.494	2.378	13.8	21.0
3 22	9 6.91	+ 8 26.4	1.586	2.393	17.3	21.3

209469 2004 GZ_{55} 2 11.0 160°.72 1°.0/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.28	+16 20.2	2.620	3.473	9.3	20.8
1 22	9 50.49	+16 49.8	2.550	3.476	6.4	20.6
2 1	9 43.31	+17 23.2	2.509	3.480	3.2	20.4
2 11	9 35.37	+17 56.4	2.497	3.482	1.0	20.3
2 21	9 27.39	+18 25.8	2.516	3.485	3.8	20.5
3 2	9 20.14	+18 48.4	2.565	3.487	6.9	20.7
3 12	9 14.26	+19 2.3	2.640	3.489	9.8	20.9
3 22	9 10.17	+19 7.0	2.738	3.491	12.1	21.0

55355 2001 SD_{155} 2 11.0 3°.72 3°.3/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 53.99	+ 3 6.4	1.930	2.761	13.1	19.1
1 22	9 49.28	+ 3 19.3	1.856	2.760	9.8	18.9
2 1	9 42.82	+ 3 49.0	1.807	2.761	6.3	18.7
2 11	9 35.37	+ 4 32.9	1.784	2.761	3.5	18.5
2 21	9 27.81	+ 5 26.4	1.789	2.763	4.5	18.6
3 2	9 21.11	+ 6 23.7	1.823	2.764	7.9	18.8
3 12	9 16.08	+ 7 19.2	1.882	2.766	11.4	19.0
3 22	9 13.22	+ 8 8.2	1.963	2.769	14.4	19.2

371644 2007 BX_{42} 2 11.0 306°.11 0°.6/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 56.95	+13 25.2	1.638	2.503	13.3	21.2
1 22	9 51.76	+14 4.8	1.558	2.488	9.3	21.0
2 1	9 44.28	+14 55.5	1.502	2.474	4.8	20.7
2 11	9 35.37	+15 51.2	1.472	2.459	0.6	20.3
2 21	9 26.19	+16 44.8	1.471	2.445	5.2	20.6
3 2	9 17.99	+17 30.1	1.497	2.431	10.0	20.9
3 12	9 11.88	+18 2.7	1.546	2.417	14.2	21.1
3 22	9 8.52	+18 20.6	1.615	2.404	17.8	21.3

336014 2007 TX_{440} 2 11.0 125°.02 2°.5/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.20	+22 5.7	2.532	3.389	9.4	21.1
1 22	9 52.50	+22 35.5	2.474	3.401	6.5	20.9
2 1	9 44.32	+23 4.5	2.445	3.413	3.7	20.8
2 11	9 35.38	+23 28.3	2.446	3.424	2.6	20.7
2 21	9 26.50	+23 43.4	2.478	3.435	4.9	20.9
3 2	9 18.51	+23 47.8	2.539	3.446	7.7	21.1
3 12	9 12.09	+23 41.0	2.626	3.456	10.4	21.3
3 22	9 7.63	+23 23.9	2.735	3.466	12.6	21.4

19879 1274 $T\text{-}_{1}$ 2 11.0 163°.44 1°.7/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.33	+18 5.1	2.142	3.001	10.9	18.2
1 22	9 52.86	+18 40.7	2.076	3.004	7.5	18.0
2 1	9 44.61	+19 19.5	2.036	3.007	3.9	17.8
2 11	9 35.38	+19 56.4	2.026	3.010	1.8	17.7
2 21	9 26.12	+20 26.5	2.046	3.012	4.9	17.9
3 2	9 17.81	+20 46.4	2.095	3.015	8.4	18.1
3 12	9 11.26	+20 54.6	2.169	3.016	11.7	18.3
3 22	9 6.95	+20 51.1	2.265	3.018	14.4	18.5

233026 2005 ET_{271} 2 11.0 301°.18 1°.9/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.33	+17 44.6	2.031	2.896	11.1	20.3
1 22	9 50.94	+18 33.7	1.958	2.890	7.7	20.1
2 1	9 43.70	+19 27.8	1.912	2.883	4.0	19.9
2 11	9 35.38	+20 20.8	1.894	2.877	2.1	19.7
2 21	9 26.95	+21 7.0	1.906	2.871	5.2	19.9
3 2	9 19.39	+21 41.9	1.945	2.866	8.9	20.1
3 12	9 13.57	+22 3.2	2.009	2.860	12.3	20.3
3 22	9 10.02	+22 10.4	2.095	2.854	15.2	20.5

301102 2008 VF_{23} 2 11.0 330°.75 3°.9/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.25	+ 4 11.5	1.286	2.137	17.1	20.6
1 22	9 52.31	+ 4 15.1	1.213	2.129	12.8	20.3
2 1	9 44.68	+ 4 41.5	1.162	2.122	8.1	20.0
2 11	9 35.39	+ 5 27.7	1.135	2.115	4.1	19.8
2 21	9 25.82	+ 6 27.1	1.133	2.109	5.9	19.9
3 2	9 17.51	+ 7 31.5	1.157	2.103	10.8	20.1
3 12	9 11.71	+ 8 32.0	1.203	2.098	15.6	20.4
3 22	9 9.14	+ 9 22.5	1.268	2.094	19.7	20.6

140379 2001 TD_{42} 2 11.0 48°.38 7°.9/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.77	− 9 48.1	2.271	3.019	14.0	19.2
1 22	9 51.72	−10 48.3	2.198	3.026	11.8	19.0
2 1	9 44.03	−11 27.9	2.148	3.033	9.7	18.9
2 11	9 35.39	−11 45.3	2.124	3.041	8.2	18.8
2 21	9 26.66	−11 41.1	2.127	3.049	8.0	18.8
3 2	9 18.71	−11 18.4	2.156	3.057	9.2	18.9
3 12	9 12.29	−10 42.3	2.211	3.065	11.2	19.0
3 22	9 7.92	− 9 58.8	2.288	3.073	13.3	19.2

433862 2015 BV_{291} 2 11.0 159°.21 0°.0/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 54.89	+10 55.1	2.296	3.144	10.6	21.0
1 22	9 49.72	+11 52.2	2.224	3.146	7.4	20.8
2 1	9 43.00	+12 59.3	2.178	3.148	3.8	20.5
2 11	9 35.39	+14 11.3	2.163	3.150	0.1	20.2
2 21	9 27.69	+15 22.5	2.178	3.151	3.8	20.5
3 2	9 20.74	+16 27.7	2.222	3.153	7.4	20.8
3 12	9 15.25	+17 22.8	2.294	3.154	10.6	21.0
3 22	9 11.70	+18 5.7	2.388	3.156	13.3	21.2

115830 2003 UO_{255} 2 11.0 59°.16 2°.4/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.06	+17 2.3	1.380	2.254	14.7	19.8
1 22	9 53.89	+18 2.0	1.336	2.272	10.1	19.6
2 1	9 45.27	+19 7.8	1.317	2.290	5.2	19.3
2 11	9 35.40	+20 10.9	1.324	2.307	2.5	19.2
2 21	9 25.69	+21 2.9	1.358	2.326	6.5	19.5
3 2	9 17.53	+21 38.4	1.417	2.344	11.1	19.8
3 12	9 11.93	+21 55.6	1.500	2.362	15.0	20.1
3 22	9 9.36	+21 55.4	1.601	2.381	18.3	20.3

73735 1993 QE_{3} 2 11.0 155°.14 0°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.74	+11 35.3	1.746	2.595	13.4	20.8
1 22	9 55.49	+12 24.5	1.683	2.605	9.4	20.5
2 1	9 46.06	+13 24.9	1.645	2.615	4.8	20.3
2 11	9 35.41	+14 30.0	1.636	2.623	0.1	19.9
2 21	9 24.73	+15 32.7	1.657	2.630	4.8	20.3
3 2	9 15.23	+16 26.9	1.707	2.637	9.3	20.6
3 12	9 7.89	+17 8.5	1.782	2.642	13.2	20.8
3 22	9 3.26	+17 36.1	1.878	2.646	16.4	21.1

396616 2001 SL_{136} 2 11.0 193°.19 1°.2/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 1.25	+ 8 46.4	1.934	2.772	12.7	22.9
1 22	9 54.40	+ 9 14.5	1.855	2.771	9.2	22.7
2 1	9 45.51	+ 9 55.2	1.803	2.768	5.1	22.4
2 11	9 35.41	+10 44.1	1.779	2.764	1.3	22.1
2 21	9 25.15	+11 35.8	1.785	2.760	4.3	22.3
3 2	9 15.83	+12 24.7	1.821	2.754	8.5	22.6
3 12	9 8.40	+13 6.3	1.882	2.748	12.3	22.8
3 22	9 3.44	+13 37.9	1.966	2.741	15.5	23.0

456603 2007 EB_{157} 2 11.0 273°.44 5°.3/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.59	+27 32.1	1.923	2.790	11.5	21.0
1 22	9 54.13	+28 30.2	1.852	2.778	8.4	20.7
2 1	9 45.43	+29 24.4	1.807	2.766	5.9	20.6
2 11	9 35.41	+30 6.9	1.791	2.753	5.6	20.5
2 21	9 25.24	+30 31.8	1.802	2.741	8.0	20.6
3 2	9 16.15	+30 35.9	1.840	2.729	11.2	20.8
3 12	9 9.17	+30 19.7	1.901	2.716	14.4	21.0
3 22	9 4.90	+29 45.8	1.981	2.704	17.0	21.1

316697 1996 TE_{26} 2 11.0 343°.61 4°.2/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 55.24	+ 0 37.4	2.095	2.909	12.8	20.4
1 22	9 50.08	+ 0 32.6	2.016	2.907	9.9	20.2
2 1	9 43.23	+ 0 44.6	1.961	2.905	6.8	20.0
2 11	9 35.41	+ 1 12.0	1.934	2.903	4.4	19.8
2 21	9 27.47	+ 1 51.4	1.935	2.902	5.0	19.9
3 2	9 20.31	+ 2 38.1	1.964	2.901	7.8	20.0
3 12	9 14.72	+ 3 26.9	2.019	2.900	10.9	20.2
3 22	9 11.21	+ 4 12.9	2.097	2.899	13.8	20.4

333344 2001 SE_{339} 2 11.0 110°.48 3°.9/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.30	− 1 4.9	2.813	3.600	10.6	21.2
1 22	9 51.03	− 1 16.5	2.750	3.622	8.3	21.1
2 1	9 43.53	− 1 14.7	2.713	3.644	5.8	20.9
2 11	9 35.41	− 1 0.8	2.704	3.665	4.1	20.9
2 21	9 27.33	− 0 36.9	2.727	3.686	4.3	20.9
3 2	9 19.95	− 0 6.3	2.779	3.706	6.3	21.0
3 12	9 13.84	+ 0 27.4	2.859	3.725	8.6	21.2
3 22	9 9.36	+ 1 0.7	2.964	3.744	10.7	21.4

209357 2004 DQ_{42} 2 11.0 31°.35 10°.0/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.91	+42 2.7	1.838	2.682	13.1	18.7
1 22	9 57.17	+43 4.4	1.805	2.692	11.1	18.6
2 1	9 46.89	+43 46.5	1.796	2.703	10.0	18.6
2 11	9 35.43	+44 1.1	1.812	2.714	10.4	18.6
2 21	9 24.30	+43 44.7	1.853	2.726	11.9	18.7
3 2	9 14.96	+42 58.7	1.917	2.738	13.9	18.9
3 12	9 8.38	+41 48.3	2.001	2.751	16.0	19.1
3 22	9 4.96	+40 20.0	2.103	2.764	17.8	19.2

410755 2009 DZ_{57} 2 11.0 293°.36 1°.3/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.20	+15 17.1	1.492	2.361	14.1	21.1
1 22	9 53.52	+15 57.9	1.416	2.349	9.9	20.9
2 1	9 45.27	+16 48.4	1.364	2.337	5.0	20.5
2 11	9 35.43	+17 41.4	1.339	2.324	1.4	20.3
2 21	9 25.30	+18 29.3	1.341	2.312	5.9	20.5
3 2	9 16.34	+19 5.7	1.369	2.300	10.9	20.8
3 12	9 9.75	+19 26.9	1.420	2.289	15.4	21.0
3 22	9 6.22	+19 32.1	1.490	2.277	19.1	21.2

89409 2001 WP_{12} 2 11.0 170°.55 1°.6/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.73	+ 7 4.1	1.773	2.613	13.7	20.6
1 22	9 53.43	+ 7 44.3	1.702	2.617	9.9	20.4
2 1	9 45.04	+ 8 40.3	1.656	2.620	5.6	20.1
2 11	9 35.43	+ 9 47.0	1.637	2.622	1.7	19.9
2 21	9 25.71	+10 57.8	1.648	2.624	4.5	20.1
3 2	9 17.02	+12 5.6	1.688	2.625	8.8	20.3
3 12	9 10.32	+13 4.8	1.753	2.626	12.7	20.6
3 22	9 6.19	+13 51.9	1.840	2.625	16.0	20.8

117077 2004 LU_{2} 2 11.0 242°.22 0°.8/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.17	+11 16.9	2.206	3.046	11.3	20.0
1 22	9 54.25	+11 19.4	2.113	3.030	8.1	19.8
2 1	9 45.43	+11 29.6	2.046	3.013	4.4	19.5
2 11	9 35.44	+11 44.5	2.009	2.995	0.9	19.2
2 21	9 25.20	+12 0.7	2.003	2.977	4.0	19.4
3 2	9 15.73	+12 14.8	2.026	2.958	7.9	19.6
3 12	9 7.92	+12 24.0	2.077	2.939	11.5	19.8
3 22	9 2.36	+12 26.7	2.150	2.919	14.5	20.0

394841 2008 SU_{234} 2 11.0 230°.75 0°.2/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.22	+12 5.5	1.718	2.571	13.4	22.6
1 22	9 54.71	+12 50.4	1.635	2.559	9.4	22.3
2 1	9 45.83	+13 47.5	1.576	2.546	4.9	22.0
2 11	9 35.44	+14 50.7	1.546	2.533	0.2	21.6
2 21	9 24.74	+15 52.8	1.545	2.519	5.1	22.0
3 2	9 15.01	+16 47.2	1.573	2.503	9.8	22.2
3 12	9 7.40	+17 29.1	1.625	2.488	14.1	22.4
3 22	9 2.58	+17 56.5	1.697	2.471	17.6	22.6

73522 2003 MK_2 2 11.0 201°.38 2°.0/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 57.51	+ 6 9.5	2.531	3.354	10.6	20.5
1 22	9 51.44	+ 6 18.3	2.446	3.350	7.8	20.3
2 1	9 43.88	+ 6 37.8	2.388	3.346	4.7	20.1
2 11	9 35.44	+ 7 5.7	2.359	3.340	2.1	19.9
2 21	9 26.88	+ 7 38.8	2.361	3.335	3.6	20.0
3 2	9 19.00	+ 8 13.3	2.394	3.328	6.7	20.2
3 12	9 12.48	+ 8 45.8	2.454	3.321	9.7	20.4
3 22	9 7.80	+ 9 13.5	2.537	3.314	12.4	20.6

230504 2002 UG_2 2 11.0 116°.20 1°.8/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.05	+14 49.6	1.520	2.383	14.2	21.0
1 22	9 55.19	+16 6.6	1.470	2.400	9.8	20.8
2 1	9 45.96	+17 32.7	1.445	2.417	4.9	20.5
2 11	9 35.46	+18 58.4	1.448	2.433	1.9	20.4
2 21	9 25.03	+20 14.7	1.480	2.449	6.0	20.7
3 2	9 16.01	+21 14.8	1.539	2.463	10.6	21.0
3 12	9 9.43	+21 55.7	1.622	2.477	14.5	21.2
3 22	9 5.79	+22 17.7	1.725	2.491	17.7	21.5

32594 Nathandeng 2 11.0 216°.68 0°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.19	+13 6.1	1.767	2.624	12.8	19.2
1 22	9 53.08	+13 30.1	1.697	2.624	9.0	18.9
2 1	9 44.87	+14 2.9	1.652	2.623	4.6	18.7
2 11	9 35.46	+14 39.5	1.635	2.622	0.1	18.3
2 21	9 25.96	+15 14.4	1.647	2.621	4.7	18.7
3 2	9 17.52	+15 43.0	1.687	2.620	9.1	18.9
3 12	9 11.11	+16 2.0	1.751	2.619	13.0	19.2
3 22	9 7.27	+16 9.9	1.836	2.618	16.2	19.4

135099 2001 QB_{81} 2 11.0 71°.02 3°.5/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.36	+25 8.0	2.168	3.027	10.7	19.1
1 22	9 54.84	+25 24.3	2.117	3.043	7.6	18.9
2 1	9 45.57	+25 36.6	2.094	3.058	4.6	18.7
2 11	9 35.47	+25 40.1	2.100	3.073	3.6	18.7
2 21	9 25.56	+25 31.8	2.135	3.089	5.9	18.9
3 2	9 16.84	+25 10.7	2.200	3.104	8.9	19.1
3 12	9 10.05	+24 37.6	2.290	3.120	11.7	19.3
3 22	9 5.61	+23 54.6	2.401	3.135	14.1	19.5

299334 2005 QY_{187} 2 11.0 230°.07 1°.9/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 54.63	+ 5 39.6	2.820	3.642	9.6	21.5
1 22	9 49.37	+ 5 54.7	2.729	3.633	7.1	21.3
2 1	9 42.79	+ 6 20.0	2.666	3.623	4.3	21.1
2 11	9 35.46	+ 6 53.5	2.632	3.613	2.0	20.9
2 21	9 27.99	+ 7 32.1	2.629	3.602	3.2	21.0
3 2	9 21.07	+ 8 12.3	2.656	3.591	6.1	21.2
3 12	9 15.31	+ 8 50.6	2.711	3.580	8.9	21.3
3 22	9 11.15	+ 9 24.3	2.790	3.569	11.3	21.5

396632 2001 UZ_{211} 2 11.0 150°.12 3°.9/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.81	+ 2 18.8	1.734	2.556	14.7	21.7
1 22	9 54.17	+ 2 24.2	1.665	2.564	11.1	21.4
2 1	9 45.42	+ 2 48.3	1.620	2.571	7.2	21.2
2 11	9 35.47	+ 3 28.7	1.602	2.578	4.1	21.1
2 21	9 25.45	+ 4 20.3	1.613	2.584	5.2	21.1
3 2	9 16.53	+ 5 17.0	1.652	2.590	8.9	21.4
3 12	9 9.67	+ 6 12.1	1.716	2.595	12.6	21.6
3 22	9 5.40	+ 7 0.8	1.802	2.599	15.9	21.8

403821 2011 UN_{161} 2 11.0 184°.63 3°.5/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.67	+21 46.8	1.813	2.677	12.2	21.3
1 22	9 55.54	+22 39.3	1.748	2.677	8.6	21.0
2 1	9 46.15	+23 32.7	1.709	2.677	4.9	20.8
2 11	9 35.47	+24 19.3	1.699	2.676	3.7	20.7
2 21	9 24.74	+24 53.0	1.718	2.675	6.6	20.9
3 2	9 15.19	+25 9.9	1.765	2.673	10.4	21.1
3 12	9 7.84	+25 9.5	1.835	2.671	13.9	21.3
3 22	9 3.26	+24 53.4	1.926	2.668	16.9	21.6

183978 2004 EU_{28} 2 11.0 140°.18 1°.3/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.29	+16 10.2	1.907	2.765	12.0	21.2
1 22	9 53.68	+16 46.8	1.844	2.773	8.3	21.0
2 1	9 45.11	+17 28.7	1.808	2.780	4.2	20.8
2 11	9 35.48	+18 10.4	1.801	2.786	1.4	20.6
2 21	9 25.84	+18 46.3	1.823	2.792	4.9	20.9
3 2	9 17.28	+19 12.4	1.873	2.798	8.9	21.1
3 12	9 10.68	+19 26.4	1.949	2.804	12.4	21.3
3 22	9 6.54	+19 28.3	2.045	2.809	15.4	21.5

70210 1999 RA_{37} 2 11.0 142°.11 0°.4/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.11	+13 34.1	1.921	2.772	12.2	20.8
1 22	9 54.21	+14 8.8	1.859	2.783	8.5	20.6
2 1	9 45.37	+14 51.2	1.823	2.793	4.3	20.3
2 11	9 35.48	+15 35.8	1.816	2.803	0.4	20.0
2 21	9 25.60	+16 17.2	1.840	2.812	4.5	20.4
3 2	9 16.81	+16 50.9	1.892	2.820	8.6	20.6
3 12	9 9.97	+17 14.1	1.969	2.828	12.2	20.9
3 22	9 5.57	+17 25.9	2.069	2.835	15.1	21.1

88325 2001 OS_{47} 2 11.0 220°.82 1°.8/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 2.41	+ 8 38.2	1.729	2.571	13.9	20.2
1 22	9 55.47	+ 8 45.4	1.647	2.562	10.1	20.0
2 1	9 46.20	+ 9 5.6	1.589	2.553	5.7	19.7
2 11	9 35.49	+ 9 35.1	1.559	2.544	1.8	19.4
2 21	9 24.53	+10 9.2	1.558	2.533	4.7	19.6
3 2	9 14.59	+10 42.5	1.586	2.523	9.3	19.8
3 12	9 6.77	+11 10.7	1.639	2.511	13.5	20.1
3 22	9 1.72	+11 30.6	1.713	2.499	17.0	20.3

174937 2004 CP_{64} 2 11.0 81°.85 2°.6/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.71	+16 5.2	1.608	2.478	13.2	20.2
1 22	9 52.19	+17 49.1	1.555	2.489	9.0	19.9
2 1	9 44.45	+19 41.8	1.528	2.501	4.7	19.7
2 11	9 35.48	+21 32.6	1.530	2.512	2.8	19.6
2 21	9 26.47	+23 11.6	1.560	2.523	6.5	19.9
3 2	9 18.64	+24 31.3	1.618	2.535	10.7	20.1
3 12	9 13.00	+25 28.3	1.699	2.546	14.4	20.4
3 22	9 10.08	+26 2.8	1.800	2.557	17.4	20.6

74417 1999 AP_{11} 2 11.0 170°.01 0°.3/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.32	+11 24.6	2.425	3.270	10.3	20.6
1 22	9 50.65	+11 52.0	2.352	3.272	7.2	20.4
2 1	9 43.48	+12 27.3	2.305	3.274	3.8	20.1
2 11	9 35.48	+13 6.7	2.289	3.275	0.4	19.9
2 21	9 27.42	+13 46.2	2.302	3.276	3.5	20.1
3 2	9 20.09	+14 22.0	2.345	3.277	7.0	20.3
3 12	9 14.20	+14 51.1	2.416	3.278	10.1	20.5
3 22	9 10.19	+15 11.6	2.509	3.279	12.7	20.7

390375 2013 TH_{46} 2 11.0 203°.57 0°.7/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.94	+14 40.2	2.131	2.986	11.1	21.7
1 22	9 51.97	+15 13.5	2.057	2.984	7.7	21.5
2 1	9 44.23	+15 53.3	2.010	2.981	3.9	21.2
2 11	9 35.48	+16 34.8	1.993	2.979	0.7	21.0
2 21	9 26.64	+17 13.1	2.004	2.976	4.3	21.3
3 2	9 18.66	+17 44.1	2.045	2.973	8.1	21.5
3 12	9 12.35	+18 5.1	2.112	2.969	11.5	21.7
3 22	9 8.24	+18 15.0	2.200	2.966	14.3	21.9

453240 2008 RB_{52} 2 11.0 243°.47 3°.1/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.49	+ 4 42.1	1.599	2.435	15.1	22.7
1 22	9 54.33	+ 4 56.5	1.513	2.422	11.3	22.4
2 1	9 45.71	+ 5 30.2	1.449	2.408	6.9	22.1
2 11	9 35.49	+ 6 20.0	1.413	2.394	3.3	21.9
2 21	9 24.90	+ 7 20.2	1.404	2.379	5.2	22.0
3 2	9 15.29	+ 8 23.6	1.423	2.363	9.8	22.2
3 12	9 7.84	+ 9 23.0	1.467	2.347	14.3	22.4
3 22	9 3.29	+10 13.3	1.531	2.330	18.1	22.6

464896 2005 RS_{40} 2 11.0 141°.18 6°.3/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.64	− 7 28.2	2.372	3.130	13.2	21.7
1 22	9 52.24	− 7 46.7	2.299	3.143	10.8	21.6
2 1	9 44.29	− 7 45.3	2.251	3.155	8.4	21.4
2 11	9 35.49	− 7 24.0	2.229	3.167	6.6	21.3
2 21	9 26.64	− 6 45.2	2.236	3.178	6.5	21.4
3 2	9 18.58	− 5 53.2	2.272	3.188	8.0	21.5
3 12	9 12.02	− 4 53.7	2.334	3.198	10.3	21.6
3 22	9 7.42	− 3 52.4	2.420	3.207	12.6	21.8

499815 2011 CR_{115} 2 11.1 248°.02 2°.5/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 55.93	+ 3 7.9	2.422	3.239	11.2	22.1
1 22	9 50.53	+ 3 45.0	2.322	3.220	8.4	21.8
2 1	9 43.52	+ 4 37.8	2.247	3.201	5.3	21.6
2 11	9 35.49	+ 5 43.4	2.202	3.181	2.7	21.4
2 21	9 27.21	+ 6 57.2	2.187	3.160	3.8	21.5
3 2	9 19.49	+ 8 13.8	2.203	3.139	7.1	21.6
3 12	9 13.12	+ 9 27.7	2.246	3.118	10.4	21.8
3 22	9 8.62	+10 34.3	2.314	3.095	13.3	21.9

14304 3417 $T\text{-}_3$ 2 11.1 2°.72 11°.4/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.65	+40 0.7	1.400	2.260	15.4	17.2
1 22	9 59.06	+41 11.6	1.357	2.259	12.9	17.0
2 1	9 48.15	+42 1.4	1.337	2.259	11.5	16.9
2 11	9 35.51	+42 18.7	1.340	2.259	11.8	16.9
2 21	9 23.13	+41 57.8	1.366	2.260	13.8	17.0
3 2	9 12.92	+41 0.4	1.414	2.262	16.5	17.2
3 12	9 6.15	+39 33.4	1.481	2.265	19.2	17.4
3 22	9 3.26	+37 45.7	1.564	2.268	21.6	17.6

21719 Pasricha 2 11.1 130°.01 0°.2/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.02	+11 21.9	1.764	2.616	13.1	19.5
1 22	9 53.59	+12 1.9	1.703	2.626	9.2	19.3
2 1	9 45.11	+12 52.9	1.667	2.636	4.8	19.0
2 11	9 35.50	+13 48.9	1.659	2.646	0.2	18.7
2 21	9 25.89	+14 43.6	1.680	2.655	4.6	19.0
3 2	9 17.40	+15 31.4	1.730	2.663	8.9	19.3
3 12	9 10.96	+16 8.3	1.805	2.671	12.7	19.6
3 22	9 7.08	+16 32.6	1.901	2.679	15.8	19.8

192793 1999 UT_{54} 2 11.1 300°.01 1°.7/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 56.36	+ 7 36.9	1.891	2.735	12.7	20.6
1 22	9 51.04	+ 8 1.3	1.814	2.731	9.2	20.4
2 1	9 43.82	+ 8 39.4	1.763	2.727	5.3	20.1
2 11	9 35.50	+ 9 27.4	1.739	2.724	1.8	19.9
2 21	9 27.03	+10 20.0	1.744	2.720	4.2	20.1
3 2	9 19.45	+11 11.6	1.777	2.717	8.3	20.3
3 12	9 13.65	+11 57.2	1.836	2.713	12.0	20.5
3 22	9 10.16	+12 33.3	1.917	2.710	15.2	20.7

218639 2005 SM_{19} 2 11.1 155°.27 4°.8/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.40	+28 23.1	2.293	3.150	10.3	21.8
1 22	9 54.99	+29 17.5	2.238	3.158	7.5	21.6
2 1	9 45.74	+30 6.6	2.211	3.166	5.3	21.5
2 11	9 35.51	+30 43.8	2.214	3.173	5.0	21.5
2 21	9 25.33	+31 4.9	2.246	3.179	7.0	21.6
3 2	9 16.22	+31 7.9	2.306	3.184	9.7	21.8
3 12	9 8.99	+30 53.7	2.390	3.190	12.3	21.9
3 22	9 4.13	+30 24.8	2.495	3.194	14.5	22.1

305877 2009 FK_{9} 2 11.1 57°.56 1°.4/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.48	+15 44.5	1.335	2.207	15.2	20.5
1 22	9 54.95	+16 18.9	1.289	2.223	10.5	20.3
2 1	9 45.88	+17 0.7	1.267	2.240	5.3	20.0
2 11	9 35.51	+17 42.4	1.271	2.256	1.5	19.8
2 21	9 25.34	+18 16.8	1.301	2.273	6.0	20.1
3 2	9 16.78	+18 38.9	1.357	2.290	10.9	20.4
3 12	9 10.89	+18 46.5	1.436	2.308	15.1	20.7
3 22	9 8.12	+18 40.0	1.534	2.325	18.5	21.0

210710 2000 SD_{194} 2 11.1 52°.61 1°.3/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.37	+15 18.2	1.201	2.076	16.4	19.9
1 22	9 55.61	+15 52.9	1.164	2.099	11.3	19.6
2 1	9 46.20	+16 35.8	1.151	2.124	5.7	19.4
2 11	9 35.52	+17 18.5	1.162	2.148	1.4	19.2
2 21	9 25.20	+17 53.4	1.200	2.173	6.2	19.6
3 2	9 16.73	+18 15.5	1.263	2.199	11.3	19.9
3 12	9 11.15	+18 22.7	1.348	2.224	15.6	20.2
3 22	9 8.84	+18 15.5	1.452	2.250	19.0	20.5

420328 2012 BB_{5} 2 11.1 265°.79 0°.9/10.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.86	+14 8.8	1.723	2.584	12.9	21.6
1 22	9 53.07	+14 52.8	1.642	2.571	9.1	21.3
2 1	9 45.00	+15 46.6	1.586	2.558	4.6	21.0
2 11	9 35.52	+16 44.1	1.558	2.544	0.9	20.7
2 21	9 25.77	+17 38.3	1.559	2.531	5.2	21.0
3 2	9 16.99	+18 23.2	1.587	2.517	9.8	21.2
3 12	9 10.26	+18 54.8	1.639	2.503	13.9	21.5
3 22	9 6.23	+19 11.6	1.711	2.489	17.4	21.7

268526 2005 YZ_{227} 2 11.1 342°.60 1°.9/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.50	+ 8 2.4	1.759	2.606	13.4	20.4
1 22	9 51.93	+ 8 9.8	1.686	2.604	9.7	20.1
2 1	9 44.32	+ 8 30.3	1.637	2.601	5.6	19.9
2 11	9 35.52	+ 9 0.8	1.615	2.599	2.0	19.7
2 21	9 26.61	+ 9 36.4	1.622	2.597	4.5	19.8
3 2	9 18.69	+10 12.0	1.656	2.596	8.7	20.1
3 12	9 12.70	+10 42.9	1.715	2.594	12.6	20.3
3 22	9 9.20	+11 5.9	1.795	2.593	15.9	20.5

134620 1999 TC_{265} 2 11.1 187°.14 15°.7/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.52	−21 11.2	1.371	2.082	23.2	19.9
1 22	9 54.72	−22 24.4	1.300	2.083	20.9	19.7
2 1	9 46.05	−22 55.5	1.245	2.082	18.5	19.5
2 11	9 35.53	−22 37.4	1.207	2.082	16.6	19.4
2 21	9 24.62	−21 28.8	1.190	2.081	15.7	19.3
3 2	9 14.97	−19 35.9	1.194	2.079	16.2	19.4
3 12	9 7.95	−17 12.5	1.219	2.077	18.1	19.5
3 22	9 4.35	−14 34.8	1.263	2.075	20.5	19.6

4312 Knacke 2 11.1 106°.30 2°.1/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.30	+16 58.1	1.623	2.488	13.4	17.2
1 22	9 54.59	+17 58.4	1.572	2.503	9.2	17.0
2 1	9 45.65	+19 4.4	1.547	2.518	4.7	16.8
2 11	9 35.53	+20 8.0	1.549	2.533	2.2	16.6
2 21	9 25.50	+21 2.0	1.581	2.547	5.9	16.9
3 2	9 16.79	+21 41.1	1.639	2.561	10.2	17.2
3 12	9 10.39	+22 3.4	1.722	2.575	13.9	17.4
3 22	9 6.77	+22 9.4	1.824	2.588	16.9	17.7

380668 2005 EA_{279} 2 11.1 24°.35 3°.5/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 54.23	+ 1 54.8	1.877	2.704	13.6	20.6
1 22	9 49.51	+ 2 18.6	1.807	2.708	10.3	20.4
2 1	9 43.01	+ 3 1.2	1.761	2.713	6.6	20.2
2 11	9 35.52	+ 3 59.5	1.742	2.718	3.7	20.0
2 21	9 27.95	+ 5 8.0	1.751	2.724	4.6	20.1
3 2	9 21.28	+ 6 20.2	1.788	2.729	8.0	20.3
3 12	9 16.31	+ 7 29.5	1.850	2.736	11.5	20.5
3 22	9 13.55	+ 8 30.8	1.935	2.742	14.6	20.7

179921 2002 VL_{49} 2 11.1 128°.22 1°.5/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 0.25	+16 31.6	2.187	3.041	10.9	20.8
1 22	9 53.43	+17 27.6	2.133	3.059	7.5	20.6
2 1	9 44.92	+18 28.0	2.107	3.077	3.8	20.4
2 11	9 35.53	+19 26.8	2.110	3.094	1.6	20.3
2 21	9 26.20	+20 18.7	2.145	3.111	4.7	20.5
3 2	9 17.85	+20 59.6	2.208	3.126	8.2	20.8
3 12	9 11.24	+21 27.4	2.298	3.141	11.3	21.0
3 22	9 6.82	+21 42.1	2.410	3.155	13.8	21.2

430746 2004 LN_{1} 2 11.1 274°.41 7°.3/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 54.08	−13 28.3	2.716	3.433	12.6	21.7
1 22	9 49.18	−13 36.3	2.603	3.408	10.9	21.5
2 1	9 42.82	−13 22.7	2.513	3.382	9.1	21.4
2 11	9 35.52	−12 46.4	2.448	3.356	7.7	21.2
2 21	9 27.95	−11 48.7	2.410	3.330	7.3	21.2
3 2	9 20.85	−10 32.9	2.400	3.303	8.3	21.2
3 12	9 14.93	− 9 4.7	2.417	3.276	10.2	21.2
3 22	9 10.68	− 7 30.7	2.459	3.249	12.3	21.3

258053 2001 ND_{19} 2 11.1 220°.07 2°.7/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.18	+19 45.9	2.239	3.098	10.4	21.0
1 22	9 52.93	+20 56.3	2.159	3.088	7.2	20.7
2 1	9 44.81	+22 10.5	2.108	3.077	4.0	20.5
2 11	9 35.55	+23 21.9	2.087	3.066	2.9	20.4
2 21	9 26.06	+24 24.1	2.096	3.053	5.6	20.6
3 2	9 17.36	+25 12.3	2.135	3.040	9.1	20.8
3 12	9 10.32	+25 44.3	2.199	3.027	12.2	20.9
3 22	9 5.52	+26 0.2	2.284	3.013	14.9	21.1

493487 2015 AM_{175} 2 11.1 54°.33 0°.9/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.83	+15 34.7	1.837	2.698	12.2	21.2
1 22	9 52.70	+15 57.4	1.778	2.707	8.5	21.0
2 1	9 44.63	+16 25.7	1.744	2.716	4.3	20.8
2 11	9 35.54	+16 54.6	1.739	2.725	0.9	20.5
2 21	9 26.49	+17 19.3	1.763	2.735	4.7	20.8
3 2	9 18.56	+17 35.8	1.814	2.744	8.8	21.1
3 12	9 12.59	+17 42.3	1.891	2.754	12.4	21.3
3 22	9 9.06	+17 38.1	1.988	2.764	15.3	21.5

281811 2009 WF_{139} 2 11.1 79°.30 2°.1/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.27	+ 6 50.6	1.267	2.123	17.0	20.6
1 22	9 54.28	+ 7 24.3	1.211	2.134	12.3	20.4
2 1	9 45.65	+ 8 18.3	1.179	2.145	7.0	20.1
2 11	9 35.55	+ 9 26.4	1.171	2.156	2.2	19.9
2 21	9 25.46	+10 39.5	1.190	2.167	5.4	20.1
3 2	9 16.88	+11 48.6	1.235	2.178	10.6	20.4
3 12	9 10.97	+12 46.4	1.302	2.189	15.3	20.7
3 22	9 8.26	+13 29.2	1.389	2.200	19.1	21.0

154502 2003 FV_{30} 2 11.1 313°.69 14°.9/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.79	+54 31.1	1.715	2.503	16.3	19.4
1 22	10 9.95	+55 34.5	1.671	2.492	15.3	19.3
2 1	9 53.82	+56 5.4	1.646	2.481	14.9	19.3
2 11	9 35.60	+55 51.9	1.643	2.470	15.3	19.3
2 21	9 18.10	+54 50.0	1.662	2.460	16.6	19.3
3 2	9 3.81	+53 4.1	1.701	2.450	18.3	19.4
3 12	8 54.15	+50 45.1	1.758	2.441	20.1	19.6
3 22	8 49.32	+48 4.5	1.831	2.431	21.7	19.7

372603 2009 VD_{3} 2 11.1 173°.32 3°.0/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.93	+20 45.3	2.291	3.152	10.1	20.7
1 22	9 51.95	+22 4.2	2.226	3.155	7.0	20.6
2 1	9 44.25	+23 25.5	2.190	3.157	4.0	20.4
2 11	9 35.55	+24 42.2	2.183	3.159	3.2	20.3
2 21	9 26.75	+25 48.2	2.207	3.160	5.7	20.5
3 2	9 18.78	+26 39.2	2.260	3.161	8.9	20.7
3 12	9 12.43	+27 13.2	2.339	3.161	11.8	20.9
3 22	9 8.21	+27 30.8	2.438	3.161	14.2	21.0

291937 2006 QD_{31} 2 11.1 127°.94 5°.6/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.46	+34 33.8	2.762	3.609	9.1	20.8
1 22	9 54.13	+35 21.7	2.718	3.622	7.1	20.7
2 1	9 45.23	+36 0.5	2.702	3.635	5.7	20.6
2 11	9 35.57	+36 25.0	2.715	3.648	5.8	20.6
2 21	9 26.02	+36 32.3	2.757	3.660	7.2	20.7
3 2	9 17.46	+36 21.7	2.826	3.672	9.2	20.9
3 12	9 10.60	+35 54.7	2.920	3.684	11.1	21.0
3 22	9 5.82	+35 14.1	3.034	3.695	12.8	21.2

502010 2015 AK_{56} 2 11.1 95°.48 0°.8/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.49	+11 0.3	1.937	2.786	12.3	21.4
1 22	9 52.46	+11 11.9	1.866	2.788	8.7	21.2
2 1	9 44.54	+11 32.9	1.821	2.789	4.7	20.9
2 11	9 35.57	+11 59.6	1.804	2.790	0.8	20.6
2 21	9 26.52	+12 27.6	1.816	2.791	4.1	20.9
3 2	9 18.45	+12 52.6	1.857	2.793	8.2	21.1
3 12	9 12.19	+13 11.3	1.923	2.794	11.8	21.4
3 22	9 8.27	+13 21.8	2.010	2.795	14.9	21.6

443879 2001 TL_{257} 2 11.1 66°.93 4°.8/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 3.70	+22 18.7	1.261	2.140	15.4	20.5
1 22	9 56.61	+23 31.5	1.227	2.163	10.8	20.3
2 1	9 46.76	+24 43.2	1.217	2.186	6.3	20.1
2 11	9 35.59	+25 42.7	1.233	2.209	5.0	20.1
2 21	9 24.75	+26 22.0	1.274	2.232	8.4	20.4
3 2	9 15.81	+26 37.5	1.341	2.254	12.7	20.7
3 12	9 9.84	+26 30.5	1.429	2.277	16.5	20.9
3 22	9 7.23	+26 4.6	1.535	2.300	19.6	21.2

102566 1999 UB_{32} 2 11.1 305°.86 1°.5/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.98	+15 39.7	1.465	2.336	14.2	20.1
1 22	9 53.44	+16 19.6	1.390	2.323	9.9	19.8
2 1	9 45.31	+17 8.9	1.339	2.311	5.1	19.5
2 11	9 35.58	+18 0.1	1.314	2.300	1.6	19.2
2 21	9 25.59	+18 45.8	1.317	2.288	6.0	19.5
3 2	9 16.77	+19 19.5	1.345	2.277	11.0	19.7
3 12	9 10.36	+19 37.7	1.396	2.266	15.5	20.0
3 22	9 7.03	+19 39.8	1.466	2.256	19.2	20.2

213256 2001 EK_{16} 2 11.1 2°.37 7°.4/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.85	+33 23.7	1.736	2.599	12.7	19.1
1 22	9 56.52	+34 9.4	1.683	2.599	9.9	18.9
2 1	9 46.71	+34 43.5	1.654	2.598	7.7	18.8
2 11	9 35.59	+34 57.7	1.652	2.599	7.7	18.8
2 21	9 24.60	+34 47.4	1.676	2.599	9.7	18.9
3 2	9 15.14	+34 12.1	1.726	2.600	12.6	19.1
3 12	9 8.25	+33 15.2	1.798	2.602	15.5	19.3
3 22	9 4.42	+32 1.9	1.888	2.604	18.0	19.5

46377 2001 XX_{7} 2 11.1 176°.12 5°.1/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.55	+33 26.4	2.875	3.721	8.8	19.4
1 22	9 54.86	+34 0.1	2.816	3.723	6.8	19.3
2 1	9 45.63	+34 25.5	2.785	3.724	5.3	19.2
2 11	9 35.59	+34 38.0	2.784	3.725	5.3	19.2
2 21	9 25.63	+34 34.8	2.812	3.726	6.7	19.3
3 2	9 16.60	+34 15.1	2.870	3.726	8.7	19.4
3 12	9 9.20	+33 40.4	2.952	3.726	10.8	19.6
3 22	9 3.85	+32 53.3	3.055	3.725	12.6	19.7

72926 2001 XB_{128} 2 11.1 184°.80 1°.5/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.61	+16 19.6	2.057	2.915	11.2	20.1
1 22	9 52.52	+17 8.2	1.987	2.916	7.8	19.9
2 1	9 44.59	+18 2.4	1.944	2.915	4.0	19.6
2 11	9 35.59	+18 56.6	1.930	2.915	1.6	19.5
2 21	9 26.50	+19 45.0	1.946	2.914	4.9	19.7
3 2	9 18.32	+20 23.1	1.991	2.913	8.7	19.9
3 12	9 11.91	+20 48.4	2.060	2.911	12.0	20.1
3 22	9 7.79	+21 0.2	2.152	2.909	14.9	20.3

243095 2007 RG_{10} 2 11.1 206°.17 3°.4/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.33	+ 3 11.2	1.783	2.609	14.2	20.7
1 22	9 53.25	+ 3 25.0	1.703	2.606	10.7	20.5
2 1	9 45.06	+ 3 57.3	1.648	2.602	6.8	20.3
2 11	9 35.59	+ 4 45.1	1.619	2.597	3.6	20.1
2 21	9 25.92	+ 5 43.4	1.619	2.592	4.9	20.1
3 2	9 17.21	+ 6 45.8	1.648	2.587	8.8	20.3
3 12	9 10.43	+ 7 45.6	1.702	2.581	12.7	20.6
3 22	9 6.19	+ 8 37.9	1.777	2.574	16.1	20.8

199498 2006 DX_{95} 2 11.1 26°.15 0°.4/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.27	+13 36.2	1.835	2.695	12.3	20.5
1 22	9 51.70	+14 7.3	1.770	2.698	8.6	20.3
2 1	9 44.18	+14 46.6	1.729	2.700	4.4	20.0
2 11	9 35.59	+15 29.0	1.717	2.703	0.4	19.7
2 21	9 26.94	+16 8.9	1.733	2.707	4.6	20.1
3 2	9 19.31	+16 41.7	1.777	2.710	8.7	20.3
3 12	9 13.58	+17 4.0	1.846	2.713	12.4	20.5
3 22	9 10.24	+17 14.7	1.936	2.717	15.5	20.8

332198 2006 DQ_{101} 2 11.1 194°.58 0°.1/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.83	+10 54.5	1.980	2.825	12.2	22.3
1 22	9 53.46	+11 44.1	1.902	2.823	8.6	22.0
2 1	9 45.11	+12 45.2	1.851	2.820	4.5	21.8
2 11	9 35.60	+13 52.2	1.830	2.817	0.2	21.4
2 21	9 25.91	+14 58.7	1.838	2.812	4.3	21.8
3 2	9 17.12	+15 58.8	1.876	2.807	8.5	22.0
3 12	9 10.15	+16 48.1	1.940	2.801	12.2	22.2
3 22	9 5.55	+17 24.3	2.026	2.794	15.3	22.4

367951 2012 DM_{44} 2 11.1 189°.55 0°.6/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.93	+13 23.6	2.265	3.115	10.7	21.6
1 22	9 51.94	+14 13.7	2.190	3.114	7.4	21.4
2 1	9 44.25	+15 11.6	2.142	3.112	3.8	21.2
2 11	9 35.59	+16 12.3	2.124	3.110	0.6	20.9
2 21	9 26.81	+17 10.3	2.136	3.108	4.1	21.2
3 2	9 18.82	+18 0.8	2.179	3.105	7.8	21.4
3 12	9 12.39	+18 40.6	2.247	3.101	11.1	21.6
3 22	9 8.04	+19 8.3	2.338	3.096	13.8	21.8

496822 1995 OW_{11} 2 11.1 163°.06 0°.7/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 57.51	+15 51.9	2.739	3.588	9.1	22.0
1 22	9 51.35	+16 12.4	2.668	3.592	6.3	21.8
2 1	9 43.84	+16 36.3	2.626	3.596	3.2	21.6
2 11	9 35.60	+17 0.4	2.614	3.600	0.7	21.4
2 21	9 27.33	+17 21.4	2.633	3.603	3.6	21.6
3 2	9 19.78	+17 36.8	2.682	3.606	6.6	21.8
3 12	9 13.56	+17 44.7	2.759	3.608	9.4	22.0
3 22	9 9.08	+17 44.8	2.858	3.611	11.7	22.2

381232 2007 TD_{6} 2 11.1 50°.28 11°.3/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.62	+49 36.8	2.088	2.893	13.2	20.4
1 22	10 2.52	+50 28.9	2.057	2.901	11.9	20.3
2 1	9 49.68	+50 56.6	2.049	2.909	11.3	20.3
2 11	9 35.63	+50 52.5	2.065	2.918	11.6	20.3
2 21	9 22.15	+50 14.2	2.105	2.927	12.7	20.4
3 2	9 10.81	+49 4.6	2.168	2.935	14.3	20.5
3 12	9 2.64	+47 30.3	2.252	2.945	15.9	20.7
3 22	8 57.95	+45 38.8	2.352	2.954	17.3	20.8

157811 1995 UU_{56} 2 11.1 281°.30 5°.5/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.90	+27 23.1	1.960	2.828	11.3	20.0
1 22	9 53.82	+28 36.0	1.879	2.805	8.3	19.8
2 1	9 45.44	+29 46.9	1.825	2.782	5.9	19.6
2 11	9 35.61	+30 47.2	1.799	2.759	5.8	19.5
2 21	9 25.45	+31 29.9	1.800	2.736	8.3	19.6
3 2	9 16.21	+31 50.8	1.829	2.712	11.6	19.8
3 12	9 9.01	+31 49.3	1.880	2.689	14.7	19.9
3 22	9 4.50	+31 27.9	1.949	2.665	17.5	20.1

169181 2001 QQ_{276} 2 11.1 130°.02 3°.4/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.70	+26 6.1	2.822	3.677	8.7	20.3
1 22	9 52.82	+26 43.5	2.771	3.693	6.2	20.1
2 1	9 44.56	+27 17.5	2.747	3.707	4.0	20.0
2 11	9 35.61	+27 43.6	2.755	3.722	3.5	20.0
2 21	9 26.74	+27 58.7	2.792	3.735	5.3	20.1
3 2	9 18.71	+28 1.3	2.860	3.749	7.7	20.3
3 12	9 12.15	+27 51.4	2.953	3.761	9.9	20.5
3 22	9 7.45	+27 30.4	3.068	3.774	11.9	20.6

466406 2013 SQ_{72} 2 11.1 276°.42 0°.3/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.63	+13 22.9	1.836	2.693	12.4	21.6
1 22	9 52.82	+13 50.7	1.752	2.678	8.8	21.4
2 1	9 44.87	+14 27.6	1.693	2.664	4.5	21.1
2 11	9 35.61	+15 8.6	1.662	2.649	0.3	20.7
2 21	9 26.10	+15 48.2	1.660	2.634	4.7	21.0
3 2	9 17.49	+16 21.2	1.686	2.619	9.2	21.2
3 12	9 10.79	+16 44.1	1.737	2.604	13.1	21.4
3 22	9 6.63	+16 55.2	1.809	2.589	16.5	21.6

395764 2012 VW_{42} 2 11.1 72°.72 2°.2/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.69	+ 7 32.6	1.308	2.163	16.6	20.6
1 22	9 54.59	+ 7 48.5	1.248	2.170	12.0	20.4
2 1	9 45.85	+ 8 22.8	1.211	2.177	6.9	20.1
2 11	9 35.62	+ 9 10.1	1.200	2.184	2.3	19.9
2 21	9 25.36	+10 3.3	1.214	2.191	5.4	20.1
3 2	9 16.54	+10 54.6	1.255	2.198	10.5	20.4
3 12	9 10.34	+11 37.7	1.319	2.205	15.1	20.7
3 22	9 7.33	+12 8.8	1.402	2.213	18.9	20.9

342956 2009 AX_{49} 2 11.1 23°.71 1°.3/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.09	+10 12.5	2.119	2.962	11.6	20.3
1 22	9 52.05	+10 8.1	2.046	2.964	8.3	20.1
2 1	9 44.31	+10 12.4	2.000	2.966	4.6	19.9
2 11	9 35.62	+10 22.5	1.983	2.968	1.3	19.6
2 21	9 26.88	+10 35.3	1.995	2.970	3.8	19.8
3 2	9 19.03	+10 47.4	2.036	2.972	7.6	20.1
3 12	9 12.84	+10 56.0	2.103	2.975	10.9	20.3
3 22	9 8.79	+10 59.3	2.193	2.977	13.8	20.5

208527 2001 XX_{248} 2 11.1 162°.01 8°.2/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.83	+34 19.3	1.930	2.787	12.0	20.6
1 22	9 57.33	+36 35.4	1.888	2.794	9.6	20.4
2 1	9 47.26	+38 41.0	1.873	2.801	8.3	20.4
2 11	9 35.64	+40 24.3	1.887	2.807	8.9	20.4
2 21	9 23.84	+41 37.7	1.928	2.812	10.9	20.6
3 2	9 13.31	+42 18.4	1.995	2.816	13.4	20.7
3 12	9 5.21	+42 29.0	2.082	2.820	15.8	20.9
3 22	9 0.19	+42 14.8	2.186	2.822	17.8	21.1

303301 2004 TQ_{4} 2 11.1 34°.62 2°.4/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.36	+17 17.0	1.133	2.016	16.4	20.4
1 22	9 54.54	+17 57.2	1.089	2.028	11.4	20.1
2 1	9 45.83	+18 44.4	1.068	2.042	5.8	19.9
2 11	9 35.63	+19 29.0	1.071	2.056	2.5	19.7
2 21	9 25.62	+20 2.8	1.099	2.071	7.0	20.0
3 2	9 17.43	+20 20.5	1.151	2.086	12.2	20.3
3 12	9 12.21	+20 20.4	1.225	2.102	16.7	20.6
3 22	9 10.43	+20 3.9	1.316	2.119	20.3	20.9

172937 2005 JS_{32} 2 11.1 135°.22 3°.2/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 57.59	+23 32.9	2.518	3.379	9.3	20.8
1 22	9 51.56	+24 23.3	2.460	3.387	6.6	20.6
2 1	9 44.00	+25 12.6	2.430	3.395	4.0	20.4
2 11	9 35.63	+25 55.6	2.430	3.402	3.3	20.4
2 21	9 27.27	+26 28.0	2.459	3.409	5.4	20.6
3 2	9 19.73	+26 47.2	2.518	3.416	8.2	20.7
3 12	9 13.71	+26 52.6	2.601	3.423	10.8	20.9
3 22	9 9.65	+26 45.0	2.707	3.429	12.9	21.1

240542 2004 HW_{36} 2 11.1 223°.18 9°.5/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.15	+49 5.4	2.704	3.508	10.5	20.3
1 22	9 56.63	+50 32.8	2.664	3.502	9.7	20.2
2 1	9 46.81	+51 42.6	2.649	3.495	9.5	20.2
2 11	9 35.65	+52 28.0	2.659	3.489	10.1	20.2
2 21	9 24.40	+52 45.4	2.693	3.482	11.2	20.3
3 2	9 14.34	+52 34.8	2.749	3.474	12.5	20.3
3 12	9 6.52	+51 59.2	2.824	3.467	13.9	20.4
3 22	9 1.50	+51 3.6	2.914	3.459	15.1	20.6

420508 2012 FU_{38} 2 11.1 263°.11 1°.9/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.51	+ 8 7.8	1.882	2.723	12.9	21.3
1 22	9 53.40	+ 8 11.4	1.793	2.708	9.5	21.1
2 1	9 45.18	+ 8 27.2	1.729	2.692	5.5	20.8
2 11	9 35.65	+ 8 52.5	1.693	2.677	2.0	20.5
2 21	9 25.83	+ 9 23.2	1.686	2.661	4.4	20.6
3 2	9 16.86	+ 9 54.4	1.707	2.645	8.7	20.9
3 12	9 9.75	+10 21.9	1.754	2.628	12.6	21.1
3 22	9 5.11	+10 42.5	1.822	2.611	16.0	21.3

383192 2005 XJ_{117} 2 11.1 169°.21 14°.7/29.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.71	+41 42.7	1.231	2.092	17.0	20.6
1 22	10 1.62	+45 9.9	1.204	2.095	15.1	20.4
2 1	9 50.09	+48 12.0	1.200	2.097	14.7	20.4
2 11	9 35.68	+50 28.2	1.220	2.099	16.1	20.5
2 21	9 20.87	+51 47.7	1.260	2.100	18.5	20.7
3 2	9 8.39	+52 10.6	1.320	2.101	21.1	20.8
3 12	9 0.22	+51 46.4	1.393	2.101	23.5	21.0
3 22	8 57.09	+50 47.1	1.477	2.101	25.5	21.2

36321 2000 LS_{23} 2 11.1 86°.65 14°.4/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.74	−19 27.6	1.562	2.269	20.9	18.5
1 22	9 55.93	−21 14.2	1.503	2.281	18.8	18.3
2 1	9 46.57	−22 25.2	1.462	2.293	16.6	18.2
2 11	9 35.66	−22 54.8	1.441	2.305	15.0	18.1
2 21	9 24.56	−22 41.7	1.441	2.316	14.4	18.1
3 2	9 14.70	−21 50.5	1.463	2.328	15.1	18.2
3 12	9 7.26	−20 31.2	1.506	2.340	16.6	18.3
3 22	9 2.91	−18 56.0	1.568	2.351	18.5	18.5

419312 2009 WZ_{75} 2 11.1 28°.38 0°.3/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.58	+12 35.8	1.721	2.583	12.9	21.0
1 22	9 51.32	+13 18.3	1.658	2.587	9.0	20.8
2 1	9 44.05	+14 11.1	1.620	2.591	4.6	20.5
2 11	9 35.64	+15 8.3	1.609	2.596	0.3	20.2
2 21	9 27.18	+16 3.2	1.627	2.601	4.7	20.5
3 2	9 19.79	+16 50.1	1.672	2.607	9.1	20.8
3 12	9 14.36	+17 25.1	1.742	2.612	12.9	21.0
3 22	9 11.43	+17 46.5	1.832	2.618	16.1	21.3

371994 2008 HX_{4} 2 11.1 289°.04 2°.0/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.12	+ 6 58.8	1.708	2.553	13.8	21.7
1 22	9 51.89	+ 7 22.2	1.620	2.537	10.1	21.4
2 1	9 44.47	+ 8 1.9	1.557	2.521	5.9	21.1
2 11	9 35.65	+ 8 54.3	1.521	2.505	2.1	20.9
2 21	9 26.50	+ 9 53.6	1.512	2.489	4.7	21.0
3 2	9 18.24	+10 53.0	1.532	2.472	9.2	21.2
3 12	9 11.92	+11 46.4	1.575	2.456	13.4	21.4
3 22	9 8.22	+12 29.5	1.640	2.440	17.1	21.6

322110 2010 VJ_{153} 2 11.1 140°.78 4°.7/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.13	+27 6.4	2.174	3.034	10.6	20.4
1 22	9 54.90	+28 11.9	2.124	3.046	7.7	20.2
2 1	9 45.78	+29 13.0	2.101	3.058	5.3	20.1
2 11	9 35.66	+30 2.7	2.108	3.069	5.0	20.1
2 21	9 25.59	+30 35.8	2.144	3.080	7.1	20.2
3 2	9 16.63	+30 50.1	2.208	3.090	9.9	20.4
3 12	9 9.61	+30 46.1	2.296	3.099	12.6	20.6
3 22	9 5.00	+30 26.2	2.404	3.107	14.8	20.8

157433 2004 TT_{356} 2 11.1 178°.86 2°.6/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.01	+18 31.9	2.045	2.909	11.0	19.6
1 22	9 51.49	+19 53.1	1.979	2.910	7.6	19.3
2 1	9 44.11	+21 19.2	1.940	2.910	4.1	19.1
2 11	9 35.65	+22 42.9	1.931	2.910	2.8	19.0
2 21	9 27.06	+23 57.0	1.951	2.910	5.8	19.2
3 2	9 19.36	+24 56.2	2.000	2.910	9.3	19.4
3 12	9 13.40	+25 37.7	2.074	2.910	12.5	19.6
3 22	9 9.73	+26 1.5	2.168	2.909	15.2	19.8

311946 2007 CR_{61} 2 11.1 132°.76 10°.2/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 24.23	+36 8.8	1.143	1.997	18.5	20.1
1 22	10 11.58	+36 34.5	1.096	2.006	14.5	19.9
2 1	9 54.66	+36 36.3	1.071	2.014	11.2	19.8
2 11	9 35.74	+36 1.1	1.072	2.022	10.4	19.7
2 21	9 17.69	+34 45.5	1.098	2.029	12.8	19.9
3 2	9 2.98	+32 56.0	1.149	2.036	16.7	20.1
3 12	8 53.00	+30 45.1	1.221	2.042	20.4	20.4
3 22	8 47.94	+28 24.8	1.311	2.047	23.6	20.7

290991 2005 XZ_{62} 2 11.1 89°.76 0°.6/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 54.92	+14 57.7	2.654	3.506	9.2	21.0
1 22	9 49.62	+15 27.0	2.588	3.513	6.4	20.8
2 1	9 42.99	+16 0.9	2.549	3.520	3.2	20.6
2 11	9 35.66	+16 35.7	2.540	3.527	0.6	20.4
2 21	9 28.31	+17 7.9	2.562	3.534	3.5	20.6
3 2	9 21.65	+17 34.3	2.614	3.540	6.6	20.8
3 12	9 16.30	+17 52.9	2.692	3.547	9.4	21.0
3 22	9 12.66	+18 2.7	2.793	3.554	11.7	21.2

489918 2008 QO_{12} 2 11.1 140°.55 0°.6/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.99	+ 9 55.1	1.808	2.652	13.3	22.2
1 22	9 54.95	+10 36.5	1.747	2.665	9.4	22.0
2 1	9 45.87	+11 30.0	1.711	2.679	5.0	21.7
2 11	9 35.68	+12 29.7	1.705	2.691	0.7	21.4
2 21	9 25.50	+13 29.4	1.728	2.702	4.4	21.7
3 2	9 16.45	+14 22.9	1.780	2.713	8.7	22.0
3 12	9 9.46	+15 6.3	1.858	2.723	12.5	22.3
3 22	9 5.03	+15 37.3	1.957	2.732	15.6	22.5

285928 2001 QP_{243} 2 11.1 201°.20 2°.2/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.59	+21 3.9	2.583	3.440	9.3	20.8
1 22	9 52.26	+21 32.8	2.510	3.437	6.5	20.6
2 1	9 44.39	+22 2.1	2.465	3.434	3.6	20.4
2 11	9 35.68	+22 27.4	2.451	3.430	2.3	20.3
2 21	9 26.92	+22 45.1	2.466	3.427	4.7	20.4
3 2	9 18.92	+22 52.9	2.512	3.423	7.6	20.6
3 12	9 12.41	+22 49.8	2.583	3.418	10.4	20.8
3 22	9 7.81	+22 36.2	2.677	3.414	12.7	21.0

198954 2005 UE_{350} 2 11.1 169°.84 2°.2/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.30	+17 14.0	1.781	2.641	12.6	20.9
1 22	9 55.34	+18 20.5	1.717	2.646	8.7	20.7
2 1	9 46.16	+19 33.2	1.679	2.650	4.5	20.4
2 11	9 35.69	+20 44.0	1.670	2.653	2.4	20.3
2 21	9 25.14	+21 45.5	1.691	2.655	5.9	20.5
3 2	9 15.72	+22 32.1	1.740	2.657	10.0	20.8
3 12	9 8.46	+23 1.6	1.813	2.658	13.7	21.0
3 22	9 3.92	+23 14.1	1.907	2.658	16.7	21.2

342995 2009 BB_{65} 2 11.1 75°.70 0°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.30	+14 0.5	2.194	3.046	10.9	20.7
1 22	9 52.13	+14 11.7	2.131	3.055	7.6	20.5
2 1	9 44.33	+14 28.5	2.094	3.064	3.9	20.3
2 11	9 35.68	+14 47.3	2.087	3.073	0.1	20.0
2 21	9 27.06	+15 4.4	2.109	3.083	3.9	20.3
3 2	9 19.35	+15 16.8	2.161	3.092	7.5	20.6
3 12	9 13.29	+15 22.3	2.238	3.101	10.7	20.8
3 22	9 9.32	+15 20.0	2.338	3.111	13.4	21.0

19859 2000 UK_{22} 2 11.1 191°.11 0°.7/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 55.17	+15 8.2	2.810	3.661	8.8	19.7
1 22	9 49.79	+15 46.9	2.735	3.660	6.1	19.5
2 1	9 43.11	+16 30.3	2.687	3.658	3.1	19.3
2 11	9 35.68	+17 14.7	2.670	3.656	0.8	19.1
2 21	9 28.18	+17 56.2	2.684	3.654	3.5	19.3
3 2	9 21.29	+18 31.6	2.728	3.652	6.5	19.5
3 12	9 15.63	+18 58.5	2.800	3.649	9.2	19.7
3 22	9 11.62	+19 15.9	2.894	3.646	11.5	19.8

496800 2017 HP_{48} 2 11.1 186°.00 5°.1/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.21	+28 55.4	2.412	3.270	9.8	21.4
1 22	9 54.31	+30 15.7	2.351	3.270	7.3	21.3
2 1	9 45.54	+31 31.5	2.319	3.269	5.4	21.1
2 11	9 35.70	+32 35.7	2.316	3.268	5.4	21.1
2 21	9 25.75	+33 22.9	2.343	3.265	7.4	21.3
3 2	9 16.69	+33 50.2	2.397	3.262	9.9	21.4
3 12	9 9.38	+33 57.8	2.476	3.258	12.4	21.6
3 22	9 4.34	+33 47.9	2.575	3.254	14.5	21.7

469713 2005 JK_{56} 2 11.1 274°.34 0°.5/11.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 54.42	+ 9 19.4	2.245	3.089	11.0	21.4
1 22	9 49.58	+10 12.9	2.161	3.081	7.8	21.2
2 1	9 43.12	+11 18.4	2.104	3.072	4.2	20.9
2 11	9 35.68	+12 31.2	2.077	3.063	0.6	20.6
2 21	9 28.08	+13 45.8	2.079	3.054	3.7	20.9
3 2	9 21.16	+14 56.2	2.111	3.045	7.5	21.1
3 12	9 15.69	+15 57.7	2.170	3.036	10.9	21.3
3 22	9 12.19	+16 47.5	2.251	3.027	13.7	21.5

186576 2003 AL_{46} 2 11.1 11°.43 3°.5/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 59.40	+20 39.9	1.340	2.221	14.6	19.7
1 22	9 53.75	+21 19.7	1.285	2.223	10.2	19.4
2 1	9 45.46	+22 1.7	1.254	2.226	5.6	19.2
2 11	9 35.71	+22 37.5	1.248	2.230	3.6	19.1
2 21	9 25.98	+22 59.9	1.269	2.234	7.3	19.3
3 2	9 17.77	+23 4.9	1.314	2.240	11.9	19.6
3 12	9 12.22	+22 51.9	1.381	2.246	16.0	19.8
3 22	9 9.84	+22 22.8	1.466	2.253	19.4	20.1

131455 2001 QG_{190} 2 11.1 86°.44 5°.7/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.60	− 5 20.1	2.401	3.173	12.7	19.4
1 22	9 51.50	− 5 45.6	2.339	3.194	10.2	19.2
2 1	9 43.98	− 5 53.1	2.301	3.214	7.8	19.1
2 11	9 35.70	− 5 43.0	2.291	3.235	6.0	19.0
2 21	9 27.45	− 5 17.4	2.309	3.256	6.0	19.0
3 2	9 20.00	− 4 40.2	2.355	3.276	7.6	19.2
3 12	9 14.02	− 3 56.4	2.429	3.296	9.8	19.4
3 22	9 9.90	− 3 10.9	2.526	3.315	12.0	19.5

159695 2002 PO_{43} 2 11.1 334°.02 10°.8/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 55.00	−15 29.7	1.081	1.860	24.4	19.4
1 22	9 51.24	−14 32.7	1.004	1.856	20.8	19.1
2 1	9 44.45	−12 35.4	0.944	1.853	16.5	18.8
2 11	9 35.70	− 9 35.6	0.904	1.850	12.5	18.6
2 21	9 26.56	− 5 43.1	0.888	1.847	10.8	18.5
3 2	9 18.79	− 1 20.4	0.897	1.845	13.0	18.6
3 12	9 13.90	+ 3 3.6	0.932	1.843	17.4	18.8
3 22	9 12.66	+ 7 4.5	0.988	1.841	22.0	19.1

521092 2015 DT_{242} 2 11.1 232°.87 4°.0/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.84	+28 21.6	2.774	3.630	8.8	21.7
1 22	9 53.14	+28 58.4	2.699	3.619	6.4	21.5
2 1	9 44.87	+29 30.9	2.652	3.607	4.5	21.4
2 11	9 35.71	+29 54.2	2.636	3.596	4.2	21.4
2 21	9 26.48	+30 4.9	2.649	3.584	6.0	21.5
3 2	9 18.02	+30 1.1	2.691	3.572	8.4	21.6
3 12	9 11.04	+29 43.1	2.758	3.559	10.8	21.7
3 22	9 6.02	+29 12.5	2.847	3.546	12.8	21.9

354871 2006 BT_{23} 2 11.1 18°.15 1°.7/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 55.20	+ 7 32.6	1.026	1.902	18.4	20.6
1 22	9 51.18	+ 8 14.4	0.975	1.908	13.2	20.3
2 1	9 44.27	+ 9 20.1	0.945	1.915	7.4	20.0
2 11	9 35.71	+10 41.5	0.937	1.923	1.9	19.7
2 21	9 27.13	+12 7.4	0.953	1.932	5.9	20.0
3 2	9 20.19	+13 26.2	0.993	1.943	11.7	20.3
3 12	9 16.13	+14 29.3	1.054	1.955	16.8	20.7
3 22	9 15.50	+15 12.6	1.132	1.968	21.0	21.0

10618 1997 VU_{3} 2 11.1 80°.37 1°.5/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.25	+ 8 11.7	1.440	2.291	15.6	18.1
1 22	9 54.67	+ 8 45.0	1.392	2.313	11.1	17.9
2 1	9 45.79	+ 9 34.1	1.368	2.334	6.1	17.7
2 11	9 35.73	+10 32.8	1.370	2.356	1.6	17.5
2 21	9 25.82	+11 33.5	1.401	2.377	4.9	17.7
3 2	9 17.37	+12 29.2	1.458	2.398	9.6	18.1
3 12	9 11.35	+13 14.4	1.539	2.419	13.8	18.3
3 22	9 8.22	+13 46.7	1.641	2.439	17.2	18.6

59492 1999 JU_{4} 2 11.1 263°.55 7°.9/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.87	− 9 47.8	2.117	2.871	14.7	19.7
1 22	9 51.48	−10 12.3	2.017	2.853	12.4	19.5
2 1	9 44.21	−10 13.4	1.939	2.835	10.1	19.4
2 11	9 35.72	− 9 49.3	1.886	2.816	8.3	19.2
2 21	9 26.88	− 9 1.6	1.860	2.796	8.0	19.1
3 2	9 18.70	− 7 54.3	1.861	2.777	9.6	19.2
3 12	9 12.06	− 6 34.5	1.888	2.757	12.1	19.3
3 22	9 7.62	− 5 10.0	1.937	2.737	14.8	19.4

269003 2007 EX_{118} 2 11.1 33°.38 4°.3/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.90	+23 36.1	1.647	2.520	12.7	20.2
1 22	9 53.77	+24 28.5	1.593	2.525	9.0	20.0
2 1	9 45.36	+25 19.7	1.564	2.531	5.5	19.8
2 11	9 35.72	+26 1.6	1.563	2.537	4.5	19.8
2 21	9 26.13	+26 28.0	1.589	2.543	7.4	20.0
3 2	9 17.84	+26 35.8	1.641	2.550	11.1	20.2
3 12	9 11.86	+26 24.9	1.716	2.557	14.5	20.4
3 22	9 8.69	+25 57.8	1.810	2.564	17.4	20.6

238792 2005 KU_{13} 2 11.1 205°.82 2°.6/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.24	+21 26.8	2.704	3.564	8.8	21.1
1 22	9 50.65	+22 24.1	2.632	3.559	6.1	20.9
2 1	9 43.60	+23 22.6	2.588	3.555	3.5	20.8
2 11	9 35.71	+24 17.2	2.574	3.550	2.7	20.7
2 21	9 27.72	+25 3.4	2.591	3.545	4.9	20.8
3 2	9 20.40	+25 38.0	2.637	3.539	7.7	21.0
3 12	9 14.42	+25 59.4	2.709	3.533	10.3	21.2
3 22	9 10.23	+26 7.8	2.803	3.527	12.5	21.3

317171 2001 WX_{71} 2 11.1 187°.40 2°.1/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 59.21	+18 7.0	2.044	2.905	11.2	20.9
1 22	9 53.01	+18 57.9	1.975	2.905	7.8	20.6
2 1	9 44.91	+19 52.9	1.933	2.904	4.1	20.4
2 11	9 35.73	+20 46.0	1.920	2.903	2.2	20.3
2 21	9 26.45	+21 31.4	1.937	2.902	5.3	20.5
3 2	9 18.11	+22 4.8	1.982	2.900	9.0	20.7
3 12	9 11.57	+22 24.2	2.052	2.898	12.3	20.9
3 22	9 7.38	+22 29.6	2.144	2.895	15.1	21.1

165173 2000 QJ_{140} 2 11.1 181°.45 1°.2/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.04	+ 8 6.2	2.070	2.905	12.2	21.5
1 22	9 53.54	+ 8 46.0	1.993	2.906	8.7	21.3
2 1	9 45.18	+ 9 38.7	1.943	2.907	4.8	21.1
2 11	9 35.74	+10 39.6	1.922	2.907	1.3	20.8
2 21	9 26.16	+11 43.1	1.931	2.906	4.0	21.0
3 2	9 17.45	+12 43.5	1.971	2.905	8.0	21.2
3 12	9 10.48	+13 36.1	2.037	2.902	11.5	21.5
3 22	9 5.77	+14 18.1	2.125	2.899	14.5	21.7

148909 2001 XA_{2} 2 11.1 91°.91 4°.3/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.36	+27 16.5	1.841	2.692	12.7	19.0
1 22	10 1.99	+27 12.4	1.790	2.709	9.1	18.8
2 1	9 49.38	+26 59.9	1.765	2.727	5.6	18.7
2 11	9 35.78	+26 34.0	1.771	2.744	4.4	18.6
2 21	9 22.61	+25 52.5	1.808	2.761	6.8	18.8
3 2	9 11.19	+24 56.5	1.874	2.777	10.3	19.0
3 12	9 2.41	+23 49.2	1.966	2.794	13.5	19.3
3 22	8 56.66	+22 34.5	2.079	2.810	16.1	19.5

334145 2001 RM_{117} 2 11.1 121°.75 0°.2/10.9 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.69	+13 17.4	2.787	3.631	9.1	22.2
1 22	9 50.75	+13 49.6	2.728	3.648	6.3	22.1
2 1	9 43.56	+14 27.0	2.696	3.666	3.2	21.9
2 11	9 35.72	+15 6.1	2.696	3.682	0.2	21.6
2 21	9 27.92	+15 43.3	2.726	3.698	3.2	21.9
3 2	9 20.82	+16 15.4	2.787	3.714	6.2	22.2
3 12	9 15.01	+16 40.4	2.876	3.729	8.9	22.4
3 22	9 10.86	+16 57.2	2.988	3.744	11.1	22.5

46755 1998 FL_{50} 2 11.1 200°.59 3°.1/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.02	+20 31.2	1.809	2.668	12.5	19.3
1 22	9 57.33	+21 20.4	1.736	2.664	8.8	19.0
2 1	9 47.25	+22 11.8	1.690	2.659	4.8	18.8
2 11	9 35.76	+22 57.9	1.673	2.653	3.2	18.7
2 21	9 24.11	+23 32.3	1.686	2.646	6.4	18.8
3 2	9 13.62	+23 50.8	1.727	2.639	10.4	19.1
3 12	9 5.39	+23 52.5	1.792	2.630	14.1	19.3
3 22	9 0.03	+23 38.8	1.878	2.620	17.2	19.5

325029 2008 CK_{48} 2 11.1 240°.81 1°.6/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.27	+18 32.2	1.858	2.715	12.3	20.9
1 22	9 56.70	+18 36.7	1.781	2.708	8.6	20.6
2 1	9 46.88	+18 43.0	1.729	2.699	4.5	20.3
2 11	9 35.76	+18 46.4	1.706	2.691	1.6	20.1
2 21	9 24.52	+18 42.9	1.713	2.683	5.2	20.3
3 2	9 14.40	+18 30.1	1.749	2.674	9.5	20.6
3 12	9 6.43	+18 7.2	1.810	2.665	13.2	20.8
3 22	9 1.19	+17 35.2	1.892	2.655	16.4	21.0

82870 2001 QC_{64} 2 11.1 177°.37 2°.1/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.84	+20 29.8	2.465	3.323	9.7	19.7
1 22	9 52.47	+20 56.1	2.396	3.323	6.7	19.5
2 1	9 44.53	+21 23.0	2.355	3.324	3.6	19.3
2 11	9 35.74	+21 46.2	2.344	3.325	2.2	19.2
2 21	9 26.92	+22 2.1	2.363	3.325	4.7	19.4
3 2	9 18.93	+22 8.3	2.411	3.325	7.8	19.6
3 12	9 12.48	+22 3.7	2.485	3.324	10.6	19.8
3 22	9 8.03	+21 48.9	2.582	3.324	13.0	19.9

81526 2000 HA_{10} 2 11.1 254°.16 5°.4/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.09	− 2 22.4	1.926	2.728	14.3	19.4
1 22	9 51.68	− 2 23.6	1.837	2.717	11.3	19.2
2 1	9 44.32	− 2 3.6	1.771	2.705	8.2	19.0
2 11	9 35.74	− 1 23.1	1.731	2.694	5.7	18.8
2 21	9 26.90	− 0 25.7	1.719	2.682	6.0	18.8
3 2	9 18.83	+ 0 42.9	1.735	2.670	8.7	18.9
3 12	9 12.48	+ 1 55.5	1.777	2.658	12.1	19.1
3 22	9 8.46	+ 3 5.4	1.841	2.646	15.3	19.3

208677 2002 GE_{90} 2 11.1 2°.73 1°.4/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.40	+ 9 12.5	1.230	2.098	16.5	20.3
1 22	9 52.52	+ 9 35.3	1.168	2.097	11.9	20.1
2 1	9 44.93	+10 16.0	1.127	2.096	6.5	19.8
2 11	9 35.75	+11 8.6	1.111	2.097	1.5	19.4
2 21	9 26.44	+12 5.2	1.120	2.098	5.5	19.7
3 2	9 18.52	+12 57.4	1.154	2.100	10.9	20.0
3 12	9 13.24	+13 38.8	1.211	2.103	15.8	20.3
3 22	9 11.19	+14 5.9	1.285	2.106	19.8	20.6

34542 2000 SC_{228} 2 11.1 249°.18 3°.4/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 58.30	+24 39.6	2.464	3.326	9.5	19.6
1 22	9 52.18	+25 17.2	2.393	3.320	6.8	19.4
2 1	9 44.42	+25 53.0	2.350	3.314	4.2	19.2
2 11	9 35.75	+26 21.8	2.336	3.308	3.6	19.2
2 21	9 27.02	+26 39.7	2.352	3.301	5.7	19.3
3 2	9 19.10	+26 44.3	2.396	3.295	8.5	19.5
3 12	9 12.76	+26 35.2	2.466	3.289	11.2	19.6
3 22	9 8.45	+26 13.6	2.557	3.282	13.5	19.8

202012 2004 RC_{20} 2 11.1 55°.30 16°.4/ 5.1 17

1 12	10 25.57	+52 12.3	1.276	2.089	19.5	19.4
1 22	10 12.41	+53 13.8	1.264	2.112	17.6	19.4
2 1	9 54.85	+53 34.7	1.270	2.135	16.5	19.4
2 11	9 35.85	+53 3.4	1.298	2.158	16.6	19.4
2 21	9 18.65	+51 40.2	1.346	2.181	17.8	19.6
3 2	9 5.63	+49 34.8	1.414	2.205	19.5	19.8
3 12	8 57.75	+47 1.7	1.500	2.229	21.3	20.0
3 22	8 54.77	+44 14.3	1.602	2.253	22.9	20.2

264709 2002 AS_{196} 2 11.1 47°.24 2°.0/12.5 18

1 12	9 58.16	+ 7 33.7	1.755	2.600	13.6	20.7
1 22	9 52.42	+ 7 43.3	1.687	2.603	9.8	20.5
2 1	9 44.66	+ 8 6.5	1.644	2.607	5.7	20.2
2 11	9 35.78	+ 8 40.0	1.627	2.611	2.1	20.0
2 21	9 26.82	+ 9 18.7	1.639	2.615	4.4	20.2
3 2	9 18.90	+ 9 57.4	1.679	2.619	8.6	20.4
3 12	9 12.93	+10 31.2	1.744	2.624	12.4	20.6
3 22	9 9.44	+10 57.1	1.830	2.628	15.6	20.9

109231 2001 QF_{93} 2 11.1 231°.15 5°.4/14.4 18

1 12	10 0.56	+ 0 2.5	1.862	2.671	14.4	19.1
1 22	9 54.08	− 0 36.1	1.783	2.668	11.3	18.9
2 1	9 45.55	− 0 57.6	1.727	2.666	8.0	18.7
2 11	9 35.79	− 1 1.7	1.699	2.663	5.6	18.5
2 21	9 25.85	− 0 50.3	1.698	2.660	6.2	18.6
3 2	9 16.85	− 0 27.4	1.726	2.657	9.1	18.7
3 12	9 9.73	+ 0 1.9	1.778	2.654	12.4	18.9
3 22	9 5.09	+ 0 32.1	1.853	2.651	15.5	19.1

259200 2003 AN_{47} 2 11.1 29°.07 7°.1/ 5.7 18

1 12	9 58.07	+26 48.2	1.346	2.231	14.2	19.5
1 22	9 52.94	+28 40.4	1.306	2.240	10.4	19.3
2 1	9 45.10	+30 28.1	1.290	2.250	7.5	19.2
2 11	9 35.78	+31 58.3	1.300	2.260	7.6	19.2
2 21	9 26.50	+33 1.3	1.335	2.272	10.5	19.4
3 2	9 18.80	+33 33.0	1.394	2.284	14.1	19.6
3 12	9 13.81	+33 34.9	1.473	2.297	17.4	19.9
3 22	9 12.04	+33 11.5	1.569	2.310	20.1	20.1

423346 2005 GR_{149} 2 11.1 16°.28 4°.5/ 7.0 18

1 12	9 57.67	+25 52.7	2.103	2.971	10.6	20.8
1 22	9 51.97	+26 59.0	2.044	2.971	7.6	20.7
2 1	9 44.40	+28 2.8	2.011	2.972	5.1	20.5
2 11	9 35.78	+28 57.2	2.007	2.973	4.8	20.5
2 21	9 27.10	+29 36.5	2.032	2.974	7.1	20.6
3 2	9 19.39	+29 57.7	2.084	2.975	10.0	20.8
3 12	9 13.51	+30 0.3	2.159	2.976	12.8	21.0
3 22	9 9.94	+29 46.2	2.255	2.977	15.2	21.2

92878 2000 QK_{218} 2 11.1 220°.02 0°.8/10.5 18

1 12	10 0.16	+13 23.8	1.671	2.530	13.4	20.1
1 22	9 54.06	+14 17.0	1.597	2.525	9.4	19.8
2 1	9 45.63	+15 21.4	1.547	2.519	4.8	19.6
2 11	9 35.79	+16 29.9	1.526	2.512	0.8	19.3
2 21	9 25.73	+17 35.0	1.533	2.505	5.3	19.6
3 2	9 16.72	+18 29.8	1.568	2.498	9.9	19.8
3 12	9 9.86	+19 10.2	1.627	2.490	14.1	20.0
3 22	9 5.77	+19 34.6	1.707	2.482	17.5	20.3

148313 2000 OZ_{22} 2 11.1 180°.88 1°.8/12.5 18

1 12	10 0.88	+ 7 43.4	2.541	3.364	10.6	19.8
1 22	9 53.84	+ 7 40.0	2.460	3.366	7.7	19.6
2 1	9 45.25	+ 7 45.3	2.407	3.367	4.5	19.4
2 11	9 35.80	+ 7 57.4	2.384	3.367	1.9	19.3
2 21	9 26.27	+ 8 13.4	2.393	3.366	3.5	19.4
3 2	9 17.48	+ 8 30.5	2.432	3.365	6.7	19.6
3 12	9 10.15	+ 8 45.8	2.500	3.363	9.7	19.8
3 22	9 4.73	+ 8 57.2	2.591	3.360	12.3	19.9

137063 1998 WK_{1} 2 11.1 170°.26 2°.2/ 9.7 18

1 12	10 4.70	+20 23.7	2.010	2.866	11.6	19.2
1 22	9 56.80	+20 39.8	1.943	2.869	8.1	19.0
2 1	9 46.87	+20 56.2	1.903	2.872	4.3	18.8
2 11	9 35.83	+21 7.7	1.892	2.874	2.3	18.6
2 21	9 24.81	+21 10.3	1.911	2.876	5.3	18.8
3 2	9 14.94	+21 1.9	1.960	2.877	9.1	19.1
3 12	9 7.12	+20 42.2	2.034	2.878	12.5	19.3
3 22	9 1.87	+20 12.4	2.130	2.878	15.3	19.5

420897 2013 LO_{29} 2 11.1 249°.94 1°.0/11.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 59.65	+ 9 46.5	1.854	2.700	12.9	22.2
1 22	9 53.57	+10 8.4	1.767	2.686	9.3	21.9
2 1	9 45.36	+10 42.5	1.705	2.672	5.1	21.6
2 11	9 35.82	+11 24.7	1.672	2.658	1.1	21.3
2 21	9 25.99	+12 9.6	1.667	2.643	4.4	21.5
3 2	9 17.03	+12 52.0	1.691	2.628	8.8	21.7
3 12	9 9.96	+13 27.1	1.741	2.612	12.9	21.9
3 22	9 5.42	+13 52.2	1.811	2.596	16.3	22.1

275401 2011 BN_{40} 2 11.1 284°.49 1°.9/12.5 18

1 12	9 57.50	+ 7 33.2	1.866	2.709	13.0	20.9
1 22	9 51.96	+ 7 47.5	1.788	2.703	9.4	20.6
2 1	9 44.47	+ 8 15.3	1.734	2.698	5.5	20.4
2 11	9 35.81	+ 8 53.1	1.709	2.692	2.0	20.2
2 21	9 26.98	+ 9 36.3	1.711	2.687	4.3	20.3
3 2	9 19.06	+10 19.3	1.742	2.682	8.4	20.5
3 12	9 12.95	+10 57.6	1.798	2.676	12.2	20.7
3 22	9 9.22	+11 27.6	1.876	2.671	15.4	20.9

303991 2006 BD_{153} 2 11.1 257°.27 0°.8/10.7 17

1 12	10 2.34	+14 51.6	1.580	2.441	13.9	21.0
1 22	9 55.74	+15 14.4	1.500	2.429	9.8	20.7
2 1	9 46.58	+15 45.3	1.445	2.416	5.0	20.4
2 11	9 35.84	+16 18.7	1.417	2.404	0.8	20.1
2 21	9 24.80	+16 48.3	1.418	2.391	5.5	20.4
3 2	9 14.90	+17 9.1	1.445	2.377	10.4	20.6
3 12	9 7.34	+17 17.9	1.497	2.364	14.8	20.9
3 22	9 2.80	+17 14.0	1.568	2.350	18.5	21.1

134439 1998 RW_{74} 2 11.1 140°.95 0°.0/11.2 18

1 12	10 0.52	+12 16.9	2.049	2.896	11.8	20.3
1 22	9 53.81	+12 48.4	1.986	2.907	8.2	20.1
2 1	9 45.31	+13 28.1	1.949	2.918	4.3	19.9
2 11	9 35.82	+14 11.2	1.941	2.928	0.1	19.5
2 21	9 26.34	+14 52.8	1.964	2.938	4.1	19.9
3 2	9 17.85	+15 28.5	2.016	2.947	8.0	20.1
3 12	9 11.16	+15 55.2	2.094	2.955	11.4	20.4
3 22	9 6.76	+16 11.5	2.194	2.963	14.3	20.6

219425 2000 SN_{358} 2 11.1 60°.33 1°.6/10.0 18

1 12	9 59.87	+16 10.2	1.630	2.496	13.3	20.2
1 22	9 53.57	+16 55.1	1.587	2.518	9.1	20.0
2 1	9 45.21	+17 45.6	1.569	2.541	4.6	19.8
2 11	9 35.83	+18 34.8	1.579	2.564	1.6	19.6
2 21	9 26.63	+19 16.5	1.617	2.587	5.4	19.9
3 2	9 18.76	+19 46.1	1.683	2.610	9.5	20.2
3 12	9 13.10	+20 1.7	1.772	2.633	13.2	20.5
3 22	9 10.06	+20 3.5	1.882	2.657	16.1	20.8

8465 Bancelin 2 11.1 51°.42 1°.4/12.4 18

1 12	9 55.12	+ 7 32.7	2.029	2.872	12.1	18.9
1 22	9 50.05	+ 8 7.5	1.969	2.885	8.7	18.7
2 1	9 43.37	+ 8 55.1	1.934	2.899	4.9	18.5
2 11	9 35.81	+ 9 51.0	1.928	2.913	1.5	18.2
2 21	9 28.25	+10 49.8	1.951	2.927	3.8	18.4
3 2	9 21.59	+11 46.1	2.002	2.941	7.5	18.7
3 12	9 16.56	+12 35.4	2.079	2.955	10.9	18.9
3 22	9 13.59	+13 14.8	2.179	2.970	13.7	19.1

284409 2006 UP_{191} 2 11.1 185°.31 4°.4/16.2 18

1 12	9 55.22	− 5 10.9	3.273	4.034	9.8	22.2
1 22	9 49.72	− 5 19.6	3.184	4.033	8.0	22.1
2 1	9 43.09	− 5 14.6	3.121	4.033	6.0	22.0
2 11	9 35.82	− 4 56.4	3.087	4.031	4.6	21.9
2 21	9 28.45	− 4 26.7	3.082	4.029	4.6	21.9
3 2	9 21.57	− 3 48.2	3.108	4.027	6.0	22.0
3 12	9 15.70	− 3 4.6	3.162	4.024	7.9	22.1
3 22	9 11.22	− 2 19.4	3.240	4.021	9.8	22.2

82675 2001 PT_{23} 2 11.1 128°.97 2°.0/12.8 18

1 12	9 57.21	+ 6 57.3	2.370	3.200	11.0	19.3
1 22	9 51.36	+ 7 0.6	2.298	3.206	8.0	19.1
2 1	9 44.01	+ 7 14.2	2.252	3.212	4.8	18.9
2 11	9 35.83	+ 7 35.8	2.235	3.217	2.1	18.7
2 21	9 27.60	+ 8 2.2	2.248	3.222	3.6	18.8
3 2	9 20.15	+ 8 29.8	2.291	3.227	6.8	19.1
3 12	9 14.15	+ 8 55.1	2.360	3.232	9.9	19.3
3 22	9 10.05	+ 9 15.7	2.453	3.237	12.5	19.4

436888 2012 TO_{33} 2 11.1 146°.04 3°.4/14.6 18

1 12	9 54.57	+ 0 27.6	2.486	3.291	11.3	21.3
1 22	9 49.52	+ 0 45.1	2.408	3.295	8.7	21.1
2 1	9 43.06	+ 1 17.8	2.355	3.298	5.9	20.9
2 11	9 35.82	+ 2 3.7	2.331	3.302	3.6	20.8
2 21	9 28.50	+ 2 59.0	2.336	3.305	4.1	20.8
3 2	9 21.84	+ 3 59.2	2.371	3.308	6.6	21.0
3 12	9 16.50	+ 4 59.3	2.434	3.311	9.4	21.2
3 22	9 12.89	+ 5 55.2	2.520	3.313	12.0	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
492589 2014 OA_{193}			2 11.1 158°.53		0°.1/11.0 18	
	h m	° ′			°	m
1 12	9 59.14	+11 35.6	1.908	2.758	12.4	22.1
1 22	9 53.04	+12 27.0	1.840	2.763	8.7	21.9
2 1	9 44.99	+13 29.1	1.799	2.768	4.5	21.7
2 11	9 35.85	+14 36.1	1.786	2.773	0.1	21.3
2 21	9 26.61	+15 41.3	1.803	2.777	4.4	21.7
3 2	9 18.36	+16 38.9	1.849	2.780	8.6	21.9
3 12	9 11.96	+17 24.8	1.920	2.783	12.2	22.2
3 22	9 7.95	+17 57.1	2.013	2.785	15.3	22.4
61913 Lanning			2 11.1 189°.45		0°.1/11.2 18	
1 12	9 58.88	+12 14.9	1.965	2.816	12.0	20.1
1 22	9 52.83	+12 41.4	1.892	2.815	8.5	19.9
2 1	9 44.88	+13 16.8	1.845	2.815	4.4	19.7
2 11	9 35.85	+13 56.5	1.827	2.814	0.2	19.3
2 21	9 26.71	+14 35.5	1.839	2.813	4.2	19.6
3 2	9 18.51	+15 9.2	1.879	2.812	8.3	19.9
3 12	9 12.11	+15 34.2	1.944	2.810	12.0	20.1
3 22	9 8.05	+15 48.9	2.031	2.809	15.0	20.3
205546 2001 SC_{200}			2 11.1 155°.04		0°.6/10.6 17	
1 12	9 56.68	+14 40.8	2.548	3.398	9.6	21.7
1 22	9 50.95	+15 13.0	2.479	3.403	6.7	21.5
2 1	9 43.79	+15 50.4	2.437	3.407	3.4	21.3
2 11	9 35.84	+16 28.9	2.425	3.411	0.6	21.1
2 21	9 27.85	+17 4.7	2.444	3.415	3.7	21.4
3 2	9 20.59	+17 34.4	2.492	3.419	6.9	21.6
3 12	9 14.72	+17 55.7	2.568	3.422	9.8	21.8
3 22	9 10.66	+18 7.6	2.666	3.425	12.3	21.9
17251 Vondracek			2 11.1 243°.03		0°.8/10.5 18	
1 12	9 59.91	+12 48.0	1.692	2.549	13.3	17.8
1 22	9 53.98	+13 49.2	1.609	2.536	9.4	17.6
2 1	9 45.68	+15 3.3	1.551	2.522	4.8	17.3
2 11	9 35.87	+16 23.2	1.522	2.508	0.8	16.9
2 21	9 25.73	+17 40.6	1.522	2.494	5.3	17.2
3 2	9 16.53	+18 47.9	1.549	2.478	10.1	17.5
3 12	9 9.41	+19 40.1	1.601	2.463	14.3	17.7
3 22	9 5.08	+20 15.1	1.673	2.447	17.9	17.9
429385 2010 OM_{79}			2 11.1 224°.73		2°.6/13.2 17	
1 12	9 58.22	+ 5 18.5	2.613	3.431	10.5	21.4
1 22	9 52.03	+ 5 3.7	2.525	3.424	7.8	21.2
2 1	9 44.38	+ 4 58.6	2.464	3.417	4.9	21.0
2 11	9 35.86	+ 5 2.1	2.433	3.410	2.7	20.9
2 21	9 27.22	+ 5 11.9	2.432	3.403	3.7	20.9
3 2	9 19.23	+ 5 25.5	2.461	3.395	6.6	21.1
3 12	9 12.56	+ 5 39.7	2.519	3.387	9.5	21.3
3 22	9 7.67	+ 5 52.1	2.600	3.379	12.0	21.4
458574 2011 EP_{85}			2 11.1 11°.67		6°.3/ 6.1 18	
1 12	9 57.83	+27 0.4	1.584	2.463	12.8	20.1
1 22	9 52.58	+28 33.8	1.534	2.465	9.4	19.9
2 1	9 44.91	+30 3.6	1.508	2.467	6.7	19.8
2 11	9 35.86	+31 19.4	1.509	2.470	6.7	19.8
2 21	9 26.76	+32 12.8	1.537	2.473	9.3	19.9
3 2	9 18.96	+32 40.0	1.589	2.477	12.7	20.1
3 12	9 13.53	+32 41.4	1.662	2.481	15.9	20.3
3 22	9 11.03	+32 20.4	1.753	2.486	18.6	20.6
135264 2001 SW_{73}			2 11.1 151°.92		6°.2/ 4.1 18	
1 12	10 1.06	+37 29.4	2.908	3.749	8.9	20.3
1 22	9 54.01	+38 30.4	2.863	3.757	7.2	20.2
2 1	9 45.36	+39 21.2	2.846	3.765	6.2	20.1
2 11	9 35.88	+39 56.5	2.858	3.772	6.5	20.2
2 21	9 26.43	+40 13.1	2.898	3.779	7.8	20.3
3 2	9 17.90	+40 10.1	2.964	3.785	9.5	20.4
3 12	9 11.01	+39 49.1	3.054	3.791	11.2	20.5
3 22	9 6.18	+39 13.0	3.163	3.797	12.7	20.6
119064 2001 KO_{52}			2 11.1 215°.01		0°.9/11.7 18	
1 12	10 2.01	+10 10.9	1.579	2.430	14.4	20.3
1 22	9 55.46	+10 35.9	1.503	2.425	10.3	20.1
2 1	9 46.43	+11 14.5	1.452	2.420	5.6	19.8
2 11	9 35.90	+12 1.5	1.427	2.414	1.0	19.4
2 21	9 25.13	+12 50.4	1.431	2.407	5.0	19.7
3 2	9 15.50	+13 34.8	1.463	2.400	9.9	20.0
3 12	9 8.15	+14 9.9	1.519	2.392	14.3	20.2
3 22	9 3.74	+14 33.0	1.595	2.384	17.9	20.4
376419 2012 GX_{25}			2 11.1 269°.16		1°.5/12.2 17	
1 12	9 59.12	+ 8 49.1	1.970	2.811	12.4	20.9
1 22	9 53.18	+ 9 0.9	1.875	2.791	9.0	20.6
2 1	9 45.19	+ 9 24.7	1.805	2.770	5.1	20.3
2 11	9 35.88	+ 9 57.1	1.764	2.749	1.6	20.0
2 21	9 26.25	+10 33.9	1.752	2.728	4.2	20.2
3 2	9 17.37	+11 10.2	1.769	2.706	8.5	20.4
3 12	9 10.23	+11 41.6	1.811	2.684	12.4	20.6
3 22	9 5.49	+12 5.1	1.876	2.662	15.8	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
298777 2004 PQ_{17}			2 11.1 173°.51		1°.2/10.3 18	
	h m	° ′			°	m
1 12	10 2.72	+15 27.0	1.925	2.777	12.2	22.0
1 22	9 55.55	+16 8.6	1.856	2.781	8.5	21.7
2 1	9 46.31	+16 56.6	1.814	2.785	4.3	21.5
2 11	9 35.90	+17 45.1	1.801	2.787	1.2	21.3
2 21	9 25.41	+18 28.2	1.819	2.788	4.9	21.5
3 2	9 15.98	+19 1.3	1.865	2.789	9.0	21.8
3 12	9 8.54	+19 21.9	1.937	2.789	12.6	22.0
3 22	9 3.64	+19 29.7	2.030	2.788	15.6	22.2
367755 2010 VO_{182}			2 11.1 100°.14		6°.0/ 6.1 18	
1 12	10 1.47	+28 8.6	1.816	2.684	12.0	20.5
1 22	9 54.80	+29 40.9	1.775	2.699	8.8	20.3
2 1	9 45.94	+31 7.4	1.761	2.715	6.4	20.2
2 11	9 35.90	+32 18.5	1.774	2.730	6.4	20.2
2 21	9 25.93	+33 7.8	1.816	2.745	8.7	20.4
3 2	9 17.27	+33 32.4	1.883	2.759	11.7	20.6
3 12	9 10.86	+33 33.6	1.973	2.774	14.5	20.8
3 22	9 7.20	+33 14.8	2.082	2.788	16.8	21.0
132366 2002 GF_{68}			2 11.1 256°.74		0°.2/10.9 18	
1 12	9 58.40	+10 53.9	1.791	2.643	12.9	19.9
1 22	9 52.87	+12 1.6	1.702	2.626	9.2	19.7
2 1	9 45.11	+13 24.5	1.638	2.608	4.8	19.4
2 11	9 35.91	+14 55.9	1.603	2.590	0.2	19.0
2 21	9 26.31	+16 27.6	1.598	2.571	4.9	19.3
3 2	9 17.54	+17 51.3	1.621	2.552	9.6	19.5
3 12	9 10.67	+19 1.0	1.669	2.532	13.7	19.7
3 22	9 6.40	+19 53.6	1.738	2.512	17.3	19.9
295472 Puy			2 11.1 185°.30		1°.1/12.1 18	
1 12	9 56.54	+ 8 22.7	2.044	2.887	12.0	21.0
1 22	9 51.17	+ 8 59.5	1.970	2.887	8.6	20.8
2 1	9 44.04	+ 9 48.9	1.921	2.887	4.8	20.5
2 11	9 35.90	+10 46.6	1.901	2.886	1.2	20.3
2 21	9 27.64	+11 47.1	1.910	2.886	3.9	20.5
3 2	9 20.21	+12 44.8	1.948	2.885	7.8	20.7
3 12	9 14.43	+13 35.0	2.013	2.885	11.3	20.9
3 22	9 10.81	+14 14.8	2.099	2.884	14.3	21.1
130731 2000 SF_{230}			2 11.1 104°.18		2°.4/ 9.5 18	
1 12	10 3.71	+18 24.4	1.674	2.536	13.2	20.4
1 22	9 56.27	+19 13.7	1.627	2.557	9.1	20.2
2 1	9 46.65	+20 6.1	1.607	2.577	4.8	20.0
2 11	9 35.93	+20 54.2	1.615	2.598	2.5	19.9
2 21	9 25.38	+21 31.9	1.652	2.617	5.9	20.1
3 2	9 16.24	+21 55.1	1.716	2.636	10.0	20.4
3 12	9 9.43	+22 3.0	1.805	2.654	13.5	20.7
3 22	9 5.40	+21 56.5	1.914	2.672	16.4	20.9
421552 2014 OB_{187}			2 11.1 177°.03		1°.3/12.1 18	
1 12	10 0.89	+ 8 50.4	2.150	2.985	11.8	22.2
1 22	9 54.10	+ 9 10.3	2.075	2.987	8.5	21.9
2 1	9 45.52	+ 9 40.8	2.025	2.989	4.7	21.7
2 11	9 35.92	+10 18.3	2.006	2.991	1.3	21.5
2 21	9 26.22	+10 58.5	2.017	2.991	3.9	21.7
3 2	9 17.39	+11 36.9	2.057	2.991	7.7	21.9
3 12	9 10.25	+12 9.6	2.125	2.990	11.1	22.1
3 22	9 5.33	+12 34.3	2.215	2.988	14.0	22.3
54572 2000 QL_{155}			2 11.1 47°.13		3°.8/14.4 18	
1 12	9 55.54	+ 1 24.5	2.185	3.000	12.4	18.8
1 22	9 50.33	+ 1 23.2	2.113	3.005	9.4	18.6
2 1	9 43.55	+ 1 37.4	2.066	3.011	6.4	18.5
2 11	9 35.89	+ 2 5.4	2.046	3.018	4.0	18.3
2 21	9 28.18	+ 2 43.8	2.055	3.024	4.6	18.4
3 2	9 21.25	+ 3 28.1	2.093	3.030	7.3	18.5
3 12	9 15.83	+ 4 13.3	2.157	3.037	10.3	18.7
3 22	9 12.38	+ 4 55.3	2.244	3.044	13.1	18.9
354960 2006 HF			2 11.1 230°.26		1°.8/12.5 17	
1 12	10 0.14	+ 7 12.2	1.943	2.778	12.8	21.6
1 22	9 53.87	+ 7 36.3	1.854	2.765	9.4	21.4
2 1	9 45.55	+ 8 14.6	1.790	2.752	5.4	21.1
2 11	9 35.93	+ 9 3.5	1.755	2.739	1.9	20.8
2 21	9 26.02	+ 9 57.8	1.749	2.725	4.3	21.0
3 2	9 16.93	+10 51.7	1.773	2.709	8.5	21.2
3 12	9 9.64	+11 40.1	1.822	2.694	12.4	21.4
3 22	9 4.77	+12 19.3	1.894	2.677	15.7	21.6
458299 2010 VV_{14}			2 11.1 48°.72		8°.6/17.5 18	
1 12	9 57.39	− 8 17.7	1.600	2.383	17.5	20.5
1 22	9 52.05	− 8 49.0	1.537	2.394	14.5	20.3
2 1	9 44.58	− 8 51.5	1.495	2.405	11.4	20.2
2 11	9 35.92	− 8 24.5	1.476	2.416	9.1	20.1
2 21	9 27.19	− 7 31.2	1.482	2.428	8.7	20.1
3 2	9 19.57	− 6 18.6	1.514	2.440	10.5	20.2
3 12	9 14.02	− 4 55.9	1.570	2.452	13.3	20.4
3 22	9 11.09	− 3 32.3	1.647	2.465	16.2	20.6

148565 2001 QP_{228} 2 11.1 101°.39 1°.9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 2.86	+ 9 20.7	1.817	2.657	13.3	20.0
1 22	9 55.59	+ 9 5.6	1.754	2.669	9.6	19.8
2 1	9 46.31	+ 9 0.6	1.716	2.680	5.5	19.6
2 11	9 35.94	+ 9 3.2	1.707	2.691	1.9	19.3
2 21	9 25.62	+ 9 9.9	1.727	2.702	4.4	19.5
3 2	9 16.47	+ 9 17.4	1.776	2.712	8.5	19.8
3 12	9 9.37	+ 9 22.5	1.850	2.723	12.2	20.0
3 22	9 4.82	+ 9 23.0	1.946	2.733	15.2	20.3

286000 2001 SU_{84} 2 11.1 214°.48 2°.4/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.60	+ 5 16.5	1.818	2.649	13.8	22.2
1 22	9 54.27	+ 5 43.5	1.734	2.641	10.2	22.0
2 1	9 45.78	+ 6 27.6	1.674	2.633	6.1	21.7
2 11	9 35.94	+ 7 25.1	1.642	2.624	2.6	21.5
2 21	9 25.83	+ 8 30.2	1.640	2.614	4.6	21.6
3 2	9 16.62	+ 9 36.2	1.666	2.604	8.8	21.8
3 12	9 9.34	+10 36.8	1.718	2.593	12.8	22.0
3 22	9 4.62	+11 27.8	1.792	2.580	16.3	22.2

163688 2003 AC_{92} 2 11.1 49°.22 4°.1/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.01	+24 47.6	1.852	2.720	11.8	19.5
1 22	9 54.25	+25 23.3	1.811	2.740	8.4	19.4
2 1	9 45.55	+25 55.5	1.796	2.761	5.1	19.2
2 11	9 35.93	+26 17.9	1.809	2.782	4.2	19.2
2 21	9 26.54	+26 26.2	1.851	2.804	6.6	19.4
3 2	9 18.46	+26 18.8	1.919	2.825	9.9	19.6
3 12	9 12.50	+25 56.4	2.012	2.847	12.9	19.8
3 22	9 9.07	+25 21.3	2.125	2.869	15.4	20.1

301505 2009 EE_{26} 2 11.1 265°.43 0°.5/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.14	+11 15.4	2.439	3.284	10.2	21.3
1 22	9 50.71	+11 32.5	2.356	3.275	7.2	21.1
2 1	9 43.76	+11 57.4	2.300	3.267	3.9	20.8
2 11	9 35.93	+12 26.9	2.273	3.259	0.6	20.6
2 21	9 27.96	+12 57.4	2.276	3.251	3.5	20.8
3 2	9 20.68	+13 25.2	2.308	3.242	6.9	21.0
3 12	9 14.78	+13 47.5	2.367	3.234	10.1	21.2
3 22	9 10.75	+14 2.3	2.450	3.225	12.8	21.3

333816 2012 FZ_{38} 2 11.1 290°.49 2°.6/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.34	+ 5 41.4	1.683	2.524	14.2	20.9
1 22	9 52.14	+ 5 59.8	1.597	2.511	10.5	20.7
2 1	9 44.74	+ 6 35.7	1.536	2.497	6.3	20.4
2 11	9 35.94	+ 7 25.8	1.501	2.483	2.7	20.1
2 21	9 26.84	+ 8 24.6	1.494	2.469	4.8	20.2
3 2	9 18.64	+ 9 25.1	1.514	2.456	9.2	20.5
3 12	9 12.40	+10 21.0	1.559	2.443	13.4	20.7
3 22	9 8.79	+11 7.5	1.625	2.429	17.0	20.9

225299 1995 UV_{17} 2 11.1 120°.53 1°.0/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.97	+15 46.6	2.105	2.959	11.2	21.3
1 22	9 53.43	+16 16.1	2.045	2.971	7.7	21.1
2 1	9 45.15	+16 50.5	2.012	2.983	3.9	20.9
2 11	9 35.95	+17 24.8	2.008	2.994	1.0	20.6
2 21	9 26.78	+17 54.6	2.034	3.005	4.4	20.9
3 2	9 18.60	+18 16.3	2.089	3.015	8.1	21.2
3 12	9 12.19	+18 28.0	2.170	3.025	11.3	21.4
3 22	9 8.00	+18 29.2	2.273	3.035	14.0	21.6

51536 2001 FN_{133} 2 11.1 221°.68 3°.3/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.18	+ 3 44.3	1.914	2.739	13.4	19.5
1 22	9 53.16	+ 3 49.9	1.831	2.733	10.1	19.2
2 1	9 45.16	+ 4 11.8	1.772	2.726	6.4	19.0
2 11	9 35.95	+ 4 47.6	1.741	2.719	3.5	18.8
2 21	9 26.53	+ 5 33.0	1.739	2.712	4.7	18.9
3 2	9 17.96	+ 6 22.8	1.765	2.704	8.4	19.1
3 12	9 11.20	+ 7 11.1	1.817	2.695	12.1	19.3
3 22	9 6.81	+ 7 53.7	1.892	2.687	15.3	19.5

89298 2001 VD_{29} 2 11.1 80°.91 4°.8/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.37	+22 47.1	1.383	2.259	14.6	18.8
1 22	9 56.46	+24 1.9	1.342	2.276	10.2	18.6
2 1	9 46.90	+25 15.9	1.325	2.293	6.1	18.4
2 11	9 35.98	+26 18.4	1.335	2.309	5.1	18.4
2 21	9 25.23	+27 1.3	1.371	2.326	8.3	18.6
3 2	9 16.17	+27 21.0	1.433	2.342	12.3	18.9
3 12	9 9.88	+27 18.0	1.517	2.359	16.0	19.1
3 22	9 6.82	+26 55.7	1.618	2.375	19.0	19.4

165806 2001 RC_{60} 2 11.1 149°.11 4°.5/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.14	+27 40.9	2.376	3.238	9.8	20.3
1 22	9 52.85	+28 33.0	2.318	3.241	7.1	20.1
2 1	9 44.86	+29 20.8	2.287	3.244	5.0	20.0
2 11	9 35.95	+29 58.5	2.285	3.247	4.7	20.0
2 21	9 27.03	+30 21.9	2.313	3.249	6.6	20.1
3 2	9 19.03	+30 28.6	2.368	3.252	9.3	20.2
3 12	9 12.73	+30 19.1	2.447	3.254	11.8	20.4
3 22	9 8.58	+29 55.0	2.547	3.256	14.0	20.6

244613 2003 AU_{34} 2 11.1 87°.43 5°.4/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 58.50	+29 3.3	2.289	3.152	10.1	19.7
1 22	9 52.46	+30 40.4	2.252	3.173	7.5	19.6
2 1	9 44.67	+32 11.6	2.244	3.193	5.6	19.5
2 11	9 35.95	+33 29.3	2.264	3.213	5.8	19.6
2 21	9 27.26	+34 28.1	2.314	3.232	7.7	19.7
3 2	9 19.55	+35 5.5	2.390	3.252	10.1	19.9
3 12	9 13.61	+35 21.8	2.490	3.271	12.4	20.1
3 22	9 9.88	+35 19.5	2.610	3.290	14.3	20.3

498195 2007 TP_{328} 2 11.1 128°.06 4°.3/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.01	+27 47.8	2.423	3.282	9.7	21.8
1 22	9 53.39	+28 32.8	2.368	3.290	7.1	21.7
2 1	9 45.11	+29 13.2	2.340	3.297	4.9	21.6
2 11	9 35.96	+29 43.4	2.342	3.304	4.5	21.5
2 21	9 26.86	+29 59.6	2.374	3.311	6.4	21.7
3 2	9 18.71	+29 59.9	2.433	3.318	9.0	21.8
3 12	9 12.26	+29 44.9	2.517	3.324	11.5	22.0
3 22	9 7.94	+29 16.6	2.622	3.331	13.6	22.2

497754 2006 SE_{258} 2 11.1 174°.88 2°.4/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 54.63	+ 2 24.1	3.208	4.012	9.1	23.3
1 22	9 49.34	+ 2 42.4	3.125	4.014	6.8	23.1
2 1	9 42.95	+ 3 11.4	3.070	4.017	4.4	22.9
2 11	9 35.94	+ 3 49.4	3.044	4.018	2.6	22.8
2 21	9 28.86	+ 4 33.6	3.050	4.020	3.1	22.9
3 2	9 22.29	+ 5 20.7	3.086	4.020	5.4	23.0
3 12	9 16.74	+ 6 7.3	3.151	4.021	7.8	23.2
3 22	9 12.58	+ 6 50.5	3.242	4.020	9.9	23.3

151152 2001 XC_{75} 2 11.1 143°.36 0°.5/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.96	+11 8.2	2.260	3.101	11.1	20.9
1 22	9 53.35	+11 29.1	2.194	3.112	7.8	20.7
2 1	9 45.10	+11 58.2	2.155	3.122	4.2	20.5
2 11	9 35.98	+12 31.5	2.146	3.132	0.6	20.2
2 21	9 26.85	+13 5.0	2.167	3.141	3.7	20.5
3 2	9 18.61	+13 34.9	2.218	3.150	7.3	20.8
3 12	9 11.98	+13 58.2	2.296	3.158	10.5	21.0
3 22	9 7.43	+14 13.5	2.397	3.166	13.2	21.2

465199 2007 JJ_{8} 2 11.1 306°.04 5°.3/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.24	− 0 57.4	1.783	2.597	14.7	21.0
1 22	9 51.29	− 1 7.2	1.694	2.583	11.6	20.7
2 1	9 44.27	− 0 56.1	1.628	2.569	8.3	20.5
2 11	9 35.97	− 0 24.8	1.588	2.555	5.7	20.3
2 21	9 27.36	+ 0 23.5	1.575	2.541	6.0	20.3
3 2	9 19.57	+ 1 23.1	1.589	2.528	9.1	20.4
3 12	9 13.59	+ 2 26.7	1.628	2.515	12.7	20.6
3 22	9 10.06	+ 3 27.9	1.689	2.502	16.1	20.8

96203 1992 SH_{3} 2 11.1 118°.41 0°.3/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.16	+10 40.5	1.820	2.667	13.0	20.8
1 22	9 54.42	+11 23.7	1.764	2.685	9.2	20.6
2 1	9 45.72	+12 17.9	1.734	2.702	4.8	20.4
2 11	9 35.99	+13 17.2	1.732	2.719	0.4	20.1
2 21	9 26.31	+14 15.2	1.760	2.735	4.4	20.4
3 2	9 17.76	+15 6.5	1.817	2.751	8.6	20.7
3 12	9 11.23	+15 47.0	1.900	2.765	12.2	20.9
3 22	9 7.18	+16 15.2	2.004	2.780	15.2	21.2

376151 2011 BE_{59} 2 11.1 165°.63 1°.3/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.98	+ 9 17.8	2.004	2.846	12.2	21.3
1 22	9 52.88	+ 9 27.9	1.931	2.847	8.8	21.1
2 1	9 44.95	+ 9 48.6	1.883	2.849	4.9	20.9
2 11	9 35.98	+10 16.4	1.865	2.850	1.4	20.6
2 21	9 26.92	+10 47.3	1.875	2.851	4.0	20.8
3 2	9 18.78	+11 16.8	1.915	2.852	7.9	21.0
3 12	9 12.38	+11 41.3	1.980	2.852	11.5	21.3
3 22	9 8.26	+11 58.4	2.067	2.853	14.5	21.5

259862 2004 CG_{103} 2 11.1 184°.07 1°.9/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.17	+ 7 32.8	2.282	3.109	11.5	19.8
1 22	9 54.25	+ 7 32.9	2.202	3.110	8.4	19.6
2 1	9 45.61	+ 7 43.2	2.149	3.109	4.9	19.3
2 11	9 35.99	+ 8 1.3	2.126	3.109	2.0	19.1
2 21	9 26.27	+ 8 23.8	2.133	3.107	3.8	19.3
3 2	9 17.36	+ 8 47.3	2.171	3.105	7.3	19.5
3 12	9 10.06	+ 9 8.4	2.236	3.102	10.6	19.7
3 22	9 4.86	+ 9 24.6	2.323	3.099	13.4	19.9

427454 2001 SZ_{185} 2 11.2 61°.17 2°.3/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 55.56	+ 4 11.7	2.043	2.872	12.5	20.9
1 22	9 50.35	+ 4 51.0	1.989	2.895	9.2	20.7
2 1	9 43.56	+ 5 45.6	1.960	2.917	5.5	20.5
2 11	9 35.97	+ 6 51.1	1.959	2.940	2.5	20.4
2 21	9 28.43	+ 8 1.8	1.988	2.963	3.9	20.5
3 2	9 21.81	+ 9 11.7	2.045	2.985	7.3	20.8
3 12	9 16.80	+10 15.5	2.129	3.008	10.5	21.0
3 22	9 13.82	+11 9.7	2.236	3.031	13.3	21.2

324008 2005 UG_{302} 2 11.2 217°.07 10°.7/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 8.54	+49 29.7	2.398	3.201	11.8	20.5
1 22	10 0.22	+51 18.5	2.356	3.192	10.9	20.5
2 1	9 49.02	+52 47.7	2.340	3.183	10.7	20.4
2 11	9 36.05	+53 48.4	2.348	3.173	11.4	20.5
2 21	9 22.82	+54 15.8	2.380	3.162	12.7	20.5
3 2	9 10.97	+54 9.8	2.433	3.151	14.2	20.6
3 12	9 1.81	+53 34.6	2.504	3.139	15.7	20.7
3 22	8 56.02	+52 36.5	2.589	3.126	17.0	20.8

502663 2015 CE_{51} 2 11.2 323°.47 1°.6/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.89	+18 21.2	2.089	2.949	11.0	20.9
1 22	9 52.82	+18 40.5	2.016	2.945	7.6	20.7
2 1	9 44.92	+19 2.5	1.970	2.941	4.0	20.5
2 11	9 36.00	+19 22.5	1.953	2.938	1.7	20.3
2 21	9 27.00	+19 36.6	1.966	2.934	4.8	20.5
3 2	9 18.92	+19 41.6	2.006	2.931	8.5	20.7
3 12	9 12.61	+19 36.3	2.072	2.927	11.8	20.9
3 22	9 8.55	+19 20.6	2.160	2.924	14.6	21.1

358537 2007 TY_{56} 2 11.2 177°.92 1°.9/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.41	+ 6 26.0	2.141	2.968	12.1	22.4
1 22	9 53.81	+ 6 50.8	2.064	2.971	8.8	22.2
2 1	9 45.43	+ 7 28.5	2.013	2.973	5.2	22.0
2 11	9 36.01	+ 8 15.9	1.991	2.974	2.0	21.8
2 21	9 26.47	+ 9 8.0	2.000	2.974	3.9	21.9
3 2	9 17.77	+ 9 59.7	2.038	2.974	7.6	22.2
3 12	9 10.75	+10 46.6	2.104	2.972	11.1	22.4
3 22	9 5.92	+11 25.5	2.192	2.970	14.0	22.6

503587 2016 GB_{57} 2 11.2 212°.26 0°.6/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.18	+13 59.6	1.991	2.846	11.7	21.8
1 22	9 52.40	+14 35.1	1.918	2.845	8.2	21.6
2 1	9 44.74	+15 18.2	1.872	2.843	4.2	21.3
2 11	9 36.00	+16 3.9	1.855	2.841	0.6	21.0
2 21	9 27.15	+16 46.8	1.867	2.839	4.4	21.3
3 2	9 19.21	+17 22.3	1.907	2.837	8.4	21.5
3 12	9 13.04	+17 47.3	1.973	2.835	12.0	21.8
3 22	9 9.17	+18 0.6	2.060	2.833	15.0	22.0

242158 2003 FZ_{8} 2 11.2 296°.44 0°.3/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.00	+16 9.5	2.297	3.144	10.7	19.8
1 22	9 55.71	+15 52.9	2.195	3.117	7.6	19.5
2 1	9 46.48	+15 38.2	2.121	3.090	3.9	19.2
2 11	9 36.03	+15 22.8	2.077	3.063	0.3	18.9
2 21	9 25.31	+15 4.3	2.064	3.036	4.1	19.2
3 2	9 15.34	+14 40.8	2.081	3.009	8.0	19.3
3 12	9 7.01	+14 11.6	2.126	2.982	11.5	19.5
3 22	9 0.94	+13 36.7	2.193	2.955	14.5	19.7

28888 2000 KS_{60} 2 11.2 0°.69 2°.5/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 55.59	+ 5 39.6	1.391	2.245	15.9	17.8
1 22	9 51.12	+ 6 9.3	1.324	2.244	11.7	17.6
2 1	9 44.27	+ 6 59.9	1.279	2.243	6.9	17.3
2 11	9 36.02	+ 8 6.5	1.259	2.243	2.7	17.0
2 21	9 27.60	+ 9 21.4	1.266	2.243	5.1	17.2
3 2	9 20.35	+10 35.6	1.298	2.245	9.9	17.5
3 12	9 15.38	+11 41.5	1.354	2.247	14.4	17.7
3 22	9 13.28	+12 33.8	1.430	2.249	18.2	18.0

259582 2003 UH_{214} 2 11.2 286°.76 3°.6/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.49	+ 3 25.7	1.581	2.416	15.3	20.8
1 22	9 52.97	+ 3 34.9	1.507	2.414	11.5	20.5
2 1	9 45.18	+ 4 4.0	1.455	2.411	7.3	20.3
2 11	9 36.03	+ 4 50.0	1.430	2.409	3.9	20.0
2 21	9 26.69	+ 5 47.6	1.432	2.406	5.2	20.1
3 2	9 18.41	+ 6 49.5	1.461	2.404	9.4	20.3
3 12	9 12.24	+ 7 48.7	1.515	2.402	13.5	20.6
3 22	9 8.80	+ 8 39.6	1.589	2.399	17.1	20.8

237715 2001 UW_{213} 2 11.2 244°.37 2°.8/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.52	+21 48.4	2.456	3.317	9.5	20.6
1 22	9 51.76	+22 34.7	2.380	3.308	6.7	20.4
2 1	9 44.37	+23 22.0	2.331	3.299	3.9	20.2
2 11	9 36.03	+24 4.8	2.312	3.289	2.9	20.1
2 21	9 27.56	+24 38.8	2.323	3.279	5.2	20.2
3 2	9 19.83	+25 0.6	2.363	3.269	8.3	20.4
3 12	9 13.60	+25 9.0	2.428	3.259	11.1	20.6
3 22	9 9.36	+25 4.4	2.515	3.249	13.5	20.7

197540 2004 EF_{84} 2 11.2 274°.55 0°.5/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.45	+ 9 59.3	1.394	2.255	15.4	20.3
1 22	9 54.05	+10 46.3	1.314	2.241	11.0	20.0
2 1	9 45.93	+11 51.3	1.258	2.228	5.9	19.7
2 11	9 36.05	+13 7.7	1.227	2.214	0.6	19.3
2 21	9 25.77	+14 26.3	1.224	2.200	5.5	19.6
3 2	9 16.60	+15 38.1	1.246	2.186	11.0	19.9
3 12	9 9.87	+16 36.0	1.292	2.172	15.9	20.1
3 22	9 6.34	+17 16.5	1.357	2.158	20.0	20.3

457783 2009 PS_{9} 2 11.2 234°.59 5°.3/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 59.33	− 2 57.0	2.256	3.041	13.0	22.1
1 22	9 53.15	− 3 12.8	2.158	3.026	10.4	21.9
2 1	9 45.17	− 3 10.8	2.084	3.011	7.6	21.7
2 11	9 36.05	− 2 51.1	2.038	2.995	5.6	21.6
2 21	9 26.64	− 2 15.9	2.022	2.979	5.8	21.6
3 2	9 17.88	− 1 29.2	2.034	2.961	8.1	21.7
3 12	9 10.62	− 0 36.3	2.073	2.944	11.1	21.8
3 22	9 5.44	+ 0 17.1	2.135	2.925	14.0	22.0

236142 2005 UC_{64} 2 11.2 67°.59 2°.3/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.39	+15 49.3	1.292	2.167	15.4	19.9
1 22	9 54.59	+17 3.4	1.241	2.176	10.7	19.6
2 1	9 46.08	+18 27.5	1.213	2.185	5.5	19.4
2 11	9 36.07	+19 51.0	1.211	2.195	2.5	19.2
2 21	9 26.05	+21 3.6	1.235	2.204	6.8	19.5
3 2	9 17.55	+21 57.8	1.285	2.214	11.8	19.8
3 12	9 11.75	+22 30.4	1.358	2.224	16.1	20.1
3 22	9 9.19	+22 42.1	1.448	2.234	19.6	20.3

461410 2001 TS_{47} 2 11.2 120°.19 6°.0/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.98	+29 24.7	1.940	2.804	11.5	21.5
1 22	9 55.15	+30 44.9	1.894	2.816	8.6	21.3
2 1	9 46.18	+31 58.5	1.875	2.826	6.4	21.2
2 11	9 36.07	+32 57.0	1.884	2.837	6.4	21.2
2 21	9 26.00	+33 34.5	1.921	2.847	8.5	21.4
3 2	9 17.16	+33 48.9	1.984	2.857	11.3	21.6
3 12	9 10.49	+33 41.2	2.070	2.867	14.0	21.8
3 22	9 6.48	+33 15.0	2.175	2.876	16.3	22.0

206272 2002 YB_{22} 2 11.2 41°.58 1°.3/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.75	+15 53.9	1.916	2.780	11.7	19.5
1 22	9 51.36	+16 35.5	1.860	2.791	8.1	19.3
2 1	9 44.18	+17 22.9	1.830	2.802	4.1	19.1
2 11	9 36.04	+18 10.3	1.829	2.814	1.3	18.9
2 21	9 27.92	+18 52.2	1.856	2.826	4.8	19.2
3 2	9 20.82	+19 24.3	1.911	2.839	8.6	19.5
3 12	9 15.52	+19 44.3	1.991	2.851	12.0	19.7
3 22	9 12.49	+19 51.5	2.091	2.864	14.8	19.9

89152 2001 UW_{36} 2 11.2 154°.42 3°.6/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.90	+22 10.9	2.012	2.877	11.2	19.8
1 22	9 53.62	+23 19.5	1.953	2.882	7.8	19.6
2 1	9 45.39	+24 28.8	1.920	2.887	4.6	19.4
2 11	9 36.06	+25 31.5	1.917	2.891	3.8	19.4
2 21	9 26.68	+26 21.3	1.942	2.895	6.4	19.5
3 2	9 18.31	+26 54.3	1.996	2.899	9.8	19.7
3 12	9 11.84	+27 9.4	2.074	2.902	12.9	20.0
3 22	9 7.78	+27 7.9	2.172	2.905	15.5	20.1

93960 2000 WE_{191} 2 11.2 47°.33 4°.1/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.05	+20 4.0	1.432	2.310	14.0	18.6
1 22	9 53.28	+21 44.8	1.403	2.339	9.6	18.4
2 1	9 45.22	+23 27.0	1.399	2.369	5.5	18.2
2 11	9 36.06	+24 59.3	1.423	2.399	4.4	18.3
2 21	9 27.14	+26 12.9	1.474	2.430	7.6	18.5
3 2	9 19.73	+27 2.9	1.550	2.461	11.5	18.8
3 12	9 14.76	+27 28.8	1.649	2.492	14.9	19.1
3 22	9 12.63	+27 33.1	1.766	2.523	17.7	19.4

109829 2001 RK_{118} 2 11.2 337°.64 0°.7/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.47	+14 22.5	2.010	2.869	11.4	19.5
1 22	9 51.22	+14 55.2	1.937	2.865	8.0	19.3
2 1	9 44.15	+15 35.2	1.890	2.862	4.1	19.0
2 11	9 36.05	+16 17.6	1.872	2.858	0.7	18.8
2 21	9 27.83	+16 57.2	1.882	2.855	4.4	19.0
3 2	9 20.49	+17 29.6	1.921	2.852	8.3	19.3
3 12	9 14.85	+17 51.7	1.985	2.849	11.8	19.5
3 22	9 11.43	+18 2.5	2.070	2.847	14.8	19.7

209027 2003 FZ_{24} 2 11.2 257°.63 1°.4/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.85	+17 39.9	2.659	3.513	9.1	21.0
1 22	9 51.21	+18 11.3	2.571	3.498	6.4	20.8
2 1	9 44.08	+18 46.0	2.512	3.482	3.3	20.5
2 11	9 36.06	+19 20.1	2.482	3.466	1.4	20.4
2 21	9 27.89	+19 49.6	2.483	3.450	4.1	20.5
3 2	9 20.33	+20 11.6	2.514	3.434	7.2	20.7
3 12	9 14.09	+20 24.0	2.571	3.417	10.1	20.9
3 22	9 9.65	+20 26.4	2.651	3.400	12.6	21.0

427179 2014 UD_{217} 2 11.2 146°.56 1°.9/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.47	+ 6 13.4	2.415	3.238	11.1	21.3
1 22	9 52.95	+ 6 34.6	2.346	3.251	8.1	21.1
2 1	9 44.93	+ 7 7.0	2.304	3.263	4.8	20.9
2 11	9 36.08	+ 7 47.7	2.292	3.274	2.0	20.7
2 21	9 27.22	+ 8 32.5	2.311	3.285	3.5	20.8
3 2	9 19.15	+ 9 17.4	2.360	3.295	6.8	21.1
3 12	9 12.57	+ 9 58.4	2.437	3.304	9.8	21.3
3 22	9 7.91	+10 32.8	2.537	3.312	12.4	21.5

482379 2011 YC_{76} 2 11.2 45°.13 3°.1/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 58.28	+ 8 49.8	0.987	1.864	18.8	20.0
1 22	9 53.88	+12 29.6	0.930	1.868	13.0	19.7
2 1	9 46.09	+16 45.9	0.897	1.871	6.4	19.3
2 11	9 36.10	+21 13.4	0.892	1.875	3.6	19.2
2 21	9 25.69	+25 21.6	0.915	1.879	9.6	19.5
3 2	9 16.88	+28 46.8	0.964	1.884	15.8	19.9
3 12	9 11.32	+31 18.9	1.035	1.888	21.0	20.2
3 22	9 9.82	+32 59.8	1.121	1.893	25.0	20.5

271059 2003 GG_{45} 2 11.2 274°.38 2°.9/ 8.9 17

1 12	9 59.40	+19 59.4	1.859	2.726	11.9	20.9
1 22	9 53.52	+20 50.2	1.782	2.713	8.3	20.7
2 1	9 45.47	+21 44.6	1.730	2.700	4.6	20.4
2 11	9 36.10	+22 35.6	1.707	2.687	3.0	20.3
2 21	9 26.50	+23 16.8	1.712	2.674	6.1	20.5
3 2	9 17.86	+23 43.5	1.745	2.661	10.1	20.7
3 12	9 11.19	+23 53.9	1.802	2.648	13.7	20.9
3 22	9 7.12	+23 48.3	1.879	2.635	16.8	21.1

66324 1999 JC_{55} 2 11.2 254°.18 3°.0/13.1 18

1 12	9 59.76	+ 5 8.2	1.664	2.500	14.6	19.2
1 22	9 53.91	+ 5 18.8	1.579	2.489	10.9	19.0
2 1	9 45.74	+ 5 47.0	1.517	2.476	6.7	18.7
2 11	9 36.11	+ 6 29.9	1.483	2.464	3.1	18.4
2 21	9 26.16	+ 7 22.3	1.476	2.451	5.0	18.5
3 2	9 17.14	+ 8 17.7	1.497	2.438	9.3	18.7
3 12	9 10.18	+ 9 9.7	1.543	2.425	13.6	18.9
3 22	9 5.94	+ 9 53.3	1.610	2.411	17.3	19.2

58495 1996 US_{1} 2 11.2 131°.78 5°.2/ 7.2 18

1 12	10 4.25	+29 10.2	2.138	2.995	10.9	19.1
1 22	9 56.51	+29 57.3	2.088	3.007	8.1	19.0
2 1	9 46.82	+30 37.7	2.065	3.018	5.7	18.8
2 11	9 36.13	+31 4.7	2.071	3.029	5.4	18.8
2 21	9 25.57	+31 14.3	2.106	3.040	7.4	19.0
3 2	9 16.22	+31 5.1	2.169	3.050	10.1	19.2
3 12	9 8.93	+30 38.6	2.256	3.059	12.8	19.3
3 22	9 4.16	+29 58.0	2.363	3.068	15.0	19.5

278129 2007 CT_{44} 2 11.2 283°.20 1°.9/12.2 18

1 12	10 1.87	+ 9 36.7	1.812	2.655	13.3	20.1
1 22	9 55.22	+ 9 16.9	1.726	2.642	9.7	19.8
2 1	9 46.36	+ 9 6.7	1.665	2.629	5.6	19.6
2 11	9 36.13	+ 9 3.8	1.632	2.616	2.0	19.3
2 21	9 25.66	+ 9 5.4	1.628	2.603	4.6	19.4
3 2	9 16.13	+ 9 8.1	1.653	2.590	8.9	19.7
3 12	9 8.59	+ 9 8.7	1.702	2.577	12.9	19.9
3 22	9 3.67	+ 9 5.0	1.773	2.565	16.3	20.1

279221 2009 UY_{91} 2 11.2 238°.03 2°.4/ 9.5 18

1 12	10 1.19	+20 12.0	1.992	2.853	11.4	20.8
1 22	9 54.57	+20 39.6	1.919	2.848	8.0	20.6
2 1	9 45.92	+21 8.8	1.873	2.843	4.3	20.3
2 11	9 36.12	+21 33.9	1.855	2.837	2.5	20.2
2 21	9 26.23	+21 50.2	1.867	2.831	5.5	20.4
3 2	9 17.34	+21 54.7	1.908	2.826	9.2	20.6
3 12	9 10.38	+21 46.4	1.973	2.820	12.6	20.8
3 22	9 5.88	+21 26.0	2.059	2.814	15.5	21.0

93919 2000 WJ_{160} 2 11.2 124°.86 1°.4/ 9.9 18

1 12	9 58.10	+15 34.2	2.059	2.916	11.3	19.9
1 22	9 52.28	+16 31.8	1.997	2.925	7.8	19.7
2 1	9 44.68	+17 35.7	1.963	2.934	4.0	19.5
2 11	9 36.10	+18 39.8	1.957	2.942	1.4	19.3
2 21	9 27.49	+19 38.1	1.982	2.950	4.7	19.5
3 2	9 19.80	+20 25.6	2.035	2.958	8.4	19.8
3 12	9 13.85	+20 59.8	2.114	2.966	11.7	20.0
3 22	9 10.11	+21 19.9	2.214	2.973	14.5	20.2

167587 2004 BF_{95} 2 11.2 0°.55 4°.5/14.2 18

1 12	9 54.37	+ 2 19.9	1.557	2.395	15.3	19.1
1 22	9 50.09	+ 2 10.3	1.486	2.392	11.7	18.9
2 1	9 43.70	+ 2 20.7	1.439	2.391	7.8	18.6
2 11	9 36.09	+ 2 49.4	1.416	2.391	4.7	18.5
2 21	9 28.34	+ 3 31.9	1.419	2.392	5.6	18.5
3 2	9 21.61	+ 4 22.0	1.449	2.394	9.2	18.7
3 12	9 16.88	+ 5 12.6	1.502	2.397	13.1	18.9
3 22	9 14.72	+ 5 58.0	1.576	2.401	16.5	19.2

415893 2001 TR_{99} 2 11.2 149°.27 4°.3/15.2 18

1 12	9 58.36	− 1 44.5	2.392	3.182	12.2	22.1
1 22	9 52.23	− 1 36.5	2.319	3.193	9.5	22.0
2 1	9 44.59	− 1 11.5	2.270	3.204	6.7	21.8
2 11	9 36.11	− 0 31.4	2.249	3.213	4.5	21.7
2 21	9 27.57	+ 0 20.5	2.259	3.222	4.8	21.7
3 2	9 19.79	+ 1 19.3	2.298	3.230	7.1	21.9
3 12	9 13.46	+ 2 19.8	2.365	3.238	9.9	22.1
3 22	9 9.03	+ 3 17.4	2.456	3.244	12.4	22.2

81622 2000 HR_{73} 2 11.2 205°.41 2°.5/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 59.07	+19 2.2	2.244	3.102	10.4	20.3
1 22	9 52.99	+20 13.6	2.169	3.097	7.2	20.1
2 1	9 45.10	+21 29.2	2.122	3.091	4.0	19.8
2 11	9 36.13	+22 42.4	2.105	3.085	2.7	19.7
2 21	9 26.97	+23 47.0	2.119	3.078	5.4	19.9
3 2	9 18.59	+24 38.0	2.162	3.070	8.8	20.1
3 12	9 11.86	+25 13.2	2.230	3.062	11.9	20.3
3 22	9 7.30	+25 32.5	2.320	3.053	14.6	20.5

459868 2013 YP_{96} 2 11.2 89°.77 5°.2/ 5.1 18

1 12	9 58.64	+28 46.7	2.442	3.303	9.6	20.8
1 22	9 52.54	+30 34.6	2.407	3.327	7.1	20.6
2 1	9 44.77	+32 16.9	2.402	3.350	5.4	20.6
2 11	9 36.12	+33 46.1	2.427	3.373	5.6	20.6
2 21	9 27.46	+34 56.7	2.481	3.396	7.4	20.8
3 2	9 19.70	+35 45.8	2.563	3.419	9.7	20.9
3 12	9 13.59	+36 13.7	2.669	3.441	11.9	21.1
3 22	9 9.60	+36 22.6	2.794	3.463	13.6	21.3

468693 2009 UF_{107} 2 11.2 241°.38 4°.9/ 7.1 18

1 12	10 0.17	+26 13.9	1.972	2.839	11.3	20.7
1 22	9 53.97	+27 19.7	1.907	2.834	8.2	20.5
2 1	9 45.67	+28 22.9	1.869	2.829	5.5	20.4
2 11	9 36.14	+29 15.9	1.859	2.824	5.2	20.3
2 21	9 26.49	+29 52.4	1.877	2.818	7.5	20.5
3 2	9 17.87	+30 9.2	1.922	2.813	10.7	20.6
3 12	9 11.26	+30 6.1	1.991	2.807	13.7	20.8
3 22	9 7.21	+29 45.3	2.078	2.802	16.3	21.0

325909 2010 US_{73} 2 11.2 104°.75 0°.0/11.2 18

1 12	9 59.67	+11 16.5	1.928	2.776	12.3	20.7
1 22	9 53.35	+12 6.2	1.874	2.796	8.6	20.5
2 1	9 45.21	+13 5.8	1.847	2.816	4.5	20.3
2 11	9 36.13	+14 9.5	1.848	2.835	0.1	19.9
2 21	9 27.11	+15 11.0	1.879	2.853	4.2	20.3
3 2	9 19.14	+16 4.9	1.940	2.872	8.2	20.6
3 12	9 13.03	+16 47.6	2.026	2.889	11.7	20.8
3 22	9 9.23	+17 17.5	2.134	2.906	14.5	21.1

158481 2002 DN_{9} 2 11.2 268°.63 8°.6/ 3.4 18

1 12	10 2.97	+37 2.2	1.952	2.806	11.9	19.5
1 22	9 56.21	+38 29.0	1.893	2.795	9.8	19.4
2 1	9 46.93	+39 44.0	1.860	2.784	8.6	19.3
2 11	9 36.16	+40 37.5	1.853	2.773	9.1	19.3
2 21	9 25.22	+41 3.4	1.873	2.761	10.9	19.4
3 2	9 15.53	+40 59.9	1.916	2.750	13.4	19.5
3 12	9 8.22	+40 29.4	1.981	2.739	15.9	19.6
3 22	9 3.92	+39 37.0	2.062	2.727	18.0	19.8

496458 2014 QJ_{356} 2 11.2 221°.35 4°.6/ 8.1 17

1 12	10 5.40	+25 35.0	1.857	2.718	12.1	22.3
1 22	9 57.73	+26 17.8	1.785	2.710	8.8	22.1
2 1	9 47.65	+26 57.5	1.740	2.702	5.6	21.9
2 11	9 36.18	+27 26.4	1.723	2.693	4.8	21.8
2 21	9 24.57	+27 39.0	1.735	2.684	7.4	22.0
3 2	9 14.17	+27 32.6	1.774	2.674	11.0	22.2
3 12	9 6.06	+27 8.0	1.838	2.664	14.3	22.4
3 22	9 0.83	+26 28.0	1.921	2.653	17.2	22.5

32377 2000 QP_{170} 2 11.2 154°.85 0°.5/11.6 18

1 12	9 56.87	+11 36.6	2.448	3.291	10.2	19.4
1 22	9 51.21	+11 52.2	2.374	3.293	7.2	19.2
2 1	9 44.07	+12 15.1	2.327	3.295	3.8	19.0
2 11	9 36.11	+12 41.9	2.310	3.296	0.5	18.7
2 21	9 28.10	+13 9.2	2.323	3.298	3.4	19.0
3 2	9 20.81	+13 33.5	2.366	3.299	6.8	19.2
3 12	9 14.94	+13 52.2	2.435	3.301	9.9	19.4
3 22	9 10.93	+14 3.7	2.528	3.302	12.5	19.5

75007 1999 TU_{320} 2 11.2 38°.90 1°.6/10.2 18

1 12	10 1.51	+16 45.0	1.433	2.303	14.5	18.9
1 22	9 55.20	+17 12.3	1.375	2.308	10.1	18.7
2 1	9 46.38	+17 45.9	1.341	2.313	5.2	18.4
2 11	9 36.16	+18 18.6	1.334	2.319	1.7	18.2
2 21	9 25.95	+18 44.2	1.354	2.325	5.9	18.5
3 2	9 17.17	+18 58.1	1.399	2.332	10.7	18.7
3 12	9 10.91	+18 58.2	1.468	2.338	14.9	19.0
3 22	9 7.70	+18 45.0	1.557	2.345	18.3	19.3

17087 1999 JC_{19} 2 11.2 161°.24 1°.5/ 9.7 18

1 12	9 57.40	+18 23.1	2.698	3.551	9.0	18.9
1 22	9 51.49	+18 56.9	2.630	3.556	6.2	18.7
2 1	9 44.19	+19 33.0	2.590	3.560	3.3	18.5
2 11	9 36.13	+20 7.3	2.580	3.563	1.6	18.4
2 21	9 28.04	+20 36.1	2.602	3.567	4.0	18.6
3 2	9 20.66	+20 56.7	2.653	3.570	7.0	18.8
3 12	9 14.63	+21 7.7	2.730	3.572	9.7	19.0
3 22	9 10.37	+21 8.6	2.831	3.575	12.0	19.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
54415 2000 LR_{13}			2 11.2 241°.02		1°.7/12.9 18	
	h m	° ′			°	m
1 12	9 54.87	+ 5 57.1	2.326	3.157	11.1	18.6
1 22	9 49.94	+ 6 34.7	2.244	3.153	8.1	18.4
2 1	9 43.48	+ 7 25.5	2.188	3.149	4.8	18.2
2 11	9 36.12	+ 8 26.1	2.162	3.145	1.9	18.0
2 21	9 28.62	+ 9 31.7	2.165	3.141	3.5	18.1
3 2	9 21.80	+10 36.9	2.198	3.136	7.0	18.3
3 12	9 16.37	+11 36.9	2.258	3.132	10.2	18.5
3 22	9 12.81	+12 28.3	2.341	3.128	13.0	18.7
172042 2001 WT_{101}			2 11.2	7°.26	3°.0/13.8 18	
1 12	9 55.00	+ 3 32.4	2.071	2.898	12.5	20.2
1 22	9 50.13	+ 3 44.1	1.996	2.898	9.3	20.0
2 1	9 43.60	+ 4 11.2	1.945	2.899	6.0	19.8
2 11	9 36.12	+ 4 51.0	1.923	2.900	3.2	19.7
2 21	9 28.54	+ 5 39.5	1.928	2.902	4.2	19.7
3 2	9 21.75	+ 6 31.4	1.963	2.903	7.5	19.9
3 12	9 16.52	+ 7 21.6	2.023	2.905	10.8	20.1
3 22	9 13.34	+ 8 6.0	2.106	2.908	13.7	20.3
412057 2013 EB_{27}			2 11.2	223°.71	1°.8/ 9.8 18	
1 12	10 1.48	+17 5.0	1.949	2.806	11.8	21.8
1 22	9 54.90	+17 52.4	1.869	2.796	8.3	21.6
2 1	9 46.19	+18 45.7	1.815	2.786	4.3	21.3
2 11	9 36.17	+19 38.6	1.791	2.775	1.9	21.1
2 21	9 25.93	+20 24.8	1.796	2.763	5.3	21.3
3 2	9 16.60	+20 59.5	1.830	2.750	9.4	21.5
3 12	9 9.18	+21 20.1	1.889	2.737	13.0	21.7
3 22	9 4.30	+21 26.4	1.968	2.724	16.1	21.9
489507 2007 NJ_{6}			2 11.2	104°.20	7°.1/ 6.3 18	
1 12	10 8.41	+32 5.2	1.760	2.617	12.9	21.4
1 22	9 59.64	+33 17.8	1.728	2.642	9.8	21.2
2 1	9 48.49	+34 18.7	1.723	2.667	7.5	21.2
2 11	9 36.21	+34 59.1	1.745	2.691	7.4	21.2
2 21	9 24.26	+35 14.0	1.795	2.714	9.5	21.4
3 2	9 14.02	+35 3.2	1.871	2.737	12.2	21.6
3 12	9 6.45	+34 30.2	1.969	2.758	14.9	21.8
3 22	9 1.94	+33 40.3	2.086	2.779	17.1	22.0
14207 1999 CS_{18}			2 11.2	238°.79	3°.2/ 8.1 18	
1 12	9 56.87	+21 27.6	2.200	3.065	10.3	17.1
1 22	9 51.48	+22 38.0	2.132	3.062	7.2	16.9
2 1	9 44.32	+23 50.4	2.092	3.060	4.2	16.7
2 11	9 36.14	+24 58.0	2.081	3.057	3.4	16.6
2 21	9 27.83	+25 54.9	2.100	3.054	5.9	16.8
3 2	9 20.35	+26 36.8	2.147	3.051	9.1	17.0
3 12	9 14.51	+27 1.9	2.218	3.048	12.1	17.2
3 22	9 10.82	+27 10.7	2.311	3.045	14.6	17.4
427236 2014 WM_{59}			2 11.2	25°.05	0°.9/10.5 18	
1 12	9 58.02	+14 14.4	1.691	2.555	13.0	20.8
1 22	9 52.55	+15 0.3	1.627	2.557	9.0	20.6
2 1	9 44.96	+15 55.2	1.587	2.559	4.6	20.3
2 11	9 36.15	+16 52.8	1.575	2.561	1.0	20.1
2 21	9 27.26	+17 46.0	1.591	2.563	5.1	20.4
3 2	9 19.45	+18 29.3	1.634	2.566	9.5	20.6
3 12	9 13.68	+18 59.1	1.702	2.569	13.3	20.9
3 22	9 10.50	+19 14.3	1.790	2.572	16.5	21.1
520103 2013 YR_{154}			2 11.2	120°.22	1°.3/ 9.8 17	
1 12	9 56.02	+16 19.5	2.656	3.509	9.2	21.7
1 22	9 50.53	+17 16.5	2.597	3.523	6.3	21.5
2 1	9 43.69	+18 17.6	2.566	3.537	3.2	21.3
2 11	9 36.13	+19 18.1	2.566	3.550	1.4	21.2
2 21	9 28.56	+20 13.3	2.596	3.563	4.0	21.4
3 2	9 21.69	+20 59.7	2.657	3.575	6.9	21.6
3 12	9 16.14	+21 34.9	2.744	3.587	9.6	21.8
3 22	9 12.33	+21 58.3	2.854	3.599	11.9	22.0
24148 Mychajliw			2 11.2	241°.25	5°.4/14.8 18	
1 12	9 59.85	− 0 52.0	1.839	2.646	14.7	19.0
1 22	9 53.81	− 1 11.6	1.752	2.636	11.5	18.7
2 1	9 45.65	− 1 11.9	1.689	2.627	8.2	18.5
2 11	9 36.17	− 0 52.9	1.652	2.617	5.7	18.3
2 21	9 26.41	− 0 17.7	1.642	2.606	6.1	18.3
3 2	9 17.50	+ 0 29.0	1.661	2.595	9.1	18.5
3 12	9 10.44	+ 1 20.7	1.705	2.585	12.6	18.7
3 22	9 5.88	+ 2 11.2	1.771	2.573	15.9	18.9
109506 2001 QO_{234}			2 11.2	183°.46	2°.3/ 9.2 17	
1 12	9 58.97	+20 52.0	2.416	3.274	9.8	20.2
1 22	9 52.73	+21 22.4	2.347	3.275	6.8	20.0
2 1	9 44.89	+21 53.3	2.306	3.275	3.8	19.8
2 11	9 36.16	+22 20.3	2.294	3.274	2.4	19.7
2 21	9 27.39	+22 39.3	2.313	3.274	4.8	19.9
3 2	9 19.45	+22 47.9	2.360	3.273	8.0	20.1
3 12	9 13.07	+22 45.0	2.434	3.272	10.8	20.3
3 22	9 8.71	+22 31.2	2.529	3.271	13.3	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
301347 2009 CB_{8}			2 11.2	60°.69	1°.2/11.9 18	
	h m	° ′			°	m
1 12	10 0.94	+ 9 10.8	1.298	2.158	16.4	21.2
1 22	9 54.78	+ 9 41.4	1.252	2.178	11.6	21.0
2 1	9 46.13	+10 28.1	1.229	2.197	6.3	20.7
2 11	9 36.18	+11 24.2	1.231	2.217	1.3	20.5
2 21	9 26.39	+12 21.5	1.260	2.237	5.2	20.8
3 2	9 18.15	+13 12.6	1.315	2.258	10.2	21.1
3 12	9 12.52	+13 52.3	1.393	2.278	14.6	21.4
3 22	9 9.94	+14 18.2	1.491	2.298	18.2	21.7
306854 2001 SQ_{143}			2 11.2	142°.83	3°.2/14.4 18	
1 12	9 55.13	+ 1 7.8	2.530	3.337	11.1	20.8
1 22	9 49.97	+ 1 27.7	2.454	3.343	8.5	20.7
2 1	9 43.44	+ 2 2.1	2.403	3.348	5.6	20.5
2 11	9 36.13	+ 2 48.7	2.381	3.354	3.4	20.3
2 21	9 28.76	+ 3 44.0	2.389	3.359	3.9	20.4
3 2	9 22.05	+ 4 43.3	2.427	3.364	6.5	20.6
3 12	9 16.63	+ 5 41.9	2.492	3.368	9.3	20.7
3 22	9 12.93	+ 6 36.0	2.581	3.373	11.8	20.9
322900 2001 YE_{117}			2 11.2	353°.19	12°.3/13.4 18	
1 12	10 10.49	− 0 32.3	0.891	1.732	23.6	19.6
1 22	10 2.79	− 3 20.8	0.831	1.729	19.3	19.3
2 1	9 50.90	− 5 48.3	0.790	1.726	15.0	19.0
2 11	9 36.28	− 7 42.9	0.770	1.725	12.4	18.9
2 21	9 21.19	− 8 57.2	0.772	1.724	13.4	18.9
3 2	9 8.12	− 9 31.3	0.796	1.724	17.1	19.1
3 12	8 59.01	− 9 34.5	0.838	1.724	21.5	19.3
3 22	8 54.70	− 9 19.3	0.894	1.725	25.5	19.6
423161 2004 FG			2 11.2	352°.12	1°.5/12.5 18	
1 12	9 54.00	+ 6 53.3	1.899	2.744	12.6	20.5
1 22	9 49.60	+ 7 40.0	1.824	2.741	9.2	20.3
2 1	9 43.40	+ 8 42.5	1.774	2.739	5.2	20.1
2 11	9 36.14	+ 9 55.8	1.751	2.736	1.6	19.8
2 21	9 28.74	+11 13.5	1.758	2.734	4.0	20.0
3 2	9 22.17	+12 28.9	1.792	2.733	8.1	20.2
3 12	9 17.26	+13 35.8	1.852	2.732	11.8	20.4
3 22	9 14.56	+14 30.6	1.934	2.732	14.9	20.6
134209 2005 JC_{63}			2 11.2	146°.55	3°.5/14.3 18	
1 12	9 55.84	+ 1 41.5	2.294	3.107	11.9	20.2
1 22	9 50.60	+ 1 46.3	2.215	3.108	9.1	20.0
2 1	9 43.82	+ 2 6.0	2.162	3.108	6.1	19.8
2 11	9 36.16	+ 2 38.8	2.137	3.109	3.7	19.7
2 21	9 28.39	+ 3 21.3	2.141	3.110	4.3	19.7
3 2	9 21.34	+ 4 9.0	2.174	3.111	7.1	19.9
3 12	9 15.73	+ 4 57.2	2.233	3.112	10.1	20.1
3 22	9 12.02	+ 5 41.8	2.316	3.113	12.8	20.2
236954 2007 UP_{21}			2 11.2	124°.61	1°.8/12.9 17	
1 12	9 55.93	+ 6 28.5	2.329	3.160	11.1	20.9
1 22	9 50.63	+ 6 50.8	2.256	3.165	8.1	20.7
2 1	9 43.81	+ 7 24.8	2.209	3.169	4.8	20.5
2 11	9 36.16	+ 8 7.6	2.191	3.174	1.9	20.3
2 21	9 28.44	+ 8 54.9	2.203	3.178	3.5	20.5
3 2	9 21.46	+ 9 42.3	2.244	3.182	6.9	20.7
3 12	9 15.90	+10 25.6	2.312	3.186	10.0	20.9
3 22	9 12.23	+11 2.0	2.404	3.190	12.7	21.1
145874 1999 RY_{236}			2 11.2	149°.90	1°.3/10.3 18	
1 12	10 2.42	+13 59.5	1.556	2.416	14.1	20.7
1 22	9 55.76	+15 5.4	1.495	2.424	9.8	20.4
2 1	9 46.68	+16 21.8	1.460	2.431	5.0	20.2
2 11	9 36.22	+17 40.4	1.452	2.438	1.3	19.9
2 21	9 25.68	+18 52.4	1.473	2.444	5.7	20.2
3 2	9 16.41	+19 50.9	1.522	2.450	10.4	20.5
3 12	9 9.51	+20 32.0	1.595	2.455	14.5	20.8
3 22	9 5.55	+20 55.3	1.687	2.459	17.8	21.0
408866 2001 SF_{321}			2 11.2	72°.03	0°.3/11.4 18	
1 12	10 5.30	+13 12.8	1.680	2.530	13.8	20.8
1 22	9 57.27	+13 10.7	1.638	2.560	9.6	20.6
2 1	9 47.21	+13 15.7	1.621	2.590	5.0	20.4
2 11	9 36.23	+13 23.8	1.632	2.619	0.4	20.1
2 21	9 25.55	+13 30.9	1.673	2.648	4.5	20.5
3 2	9 16.34	+13 34.0	1.742	2.676	8.8	20.8
3 12	9 9.44	+13 30.9	1.837	2.705	12.5	21.1
3 22	9 5.23	+13 21.0	1.952	2.733	15.4	21.4
373301 2012 HA_{75}			2 11.2	309°.69	3°.0/13.2 17	
1 12	9 56.89	+ 5 15.4	1.584	2.428	14.8	20.6
1 22	9 52.06	+ 5 25.1	1.495	2.409	11.1	20.3
2 1	9 44.88	+ 5 53.3	1.430	2.390	6.8	20.0
2 11	9 36.20	+ 6 37.3	1.390	2.372	3.2	19.7
2 21	9 27.13	+ 7 31.7	1.378	2.354	5.1	19.8
3 2	9 18.96	+ 8 29.8	1.392	2.336	9.6	20.0
3 12	9 12.83	+ 9 24.5	1.430	2.319	14.0	20.2
3 22	9 9.47	+10 10.5	1.489	2.303	17.9	20.4

410282 2007 TR_{201} 2 11.2 230°.99 1°.6/10.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 1.30	+16 6.6	1.879	2.736	12.2	22.2
1 22	9 54.87	+16 56.1	1.797	2.725	8.5	21.9
2 1	9 46.23	+17 52.9	1.742	2.713	4.4	21.7
2 11	9 36.23	+18 50.6	1.715	2.700	1.6	21.4
2 21	9 25.95	+19 42.6	1.718	2.686	5.3	21.7
3 2	9 16.60	+20 23.3	1.749	2.672	9.6	21.9
3 12	9 9.20	+20 49.8	1.806	2.658	13.4	22.1
3 22	9 4.41	+21 1.5	1.882	2.643	16.6	22.3

378811 2008 SB_{210} 2 11.2 199°.74 1°.8/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.46	+ 7 11.5	2.114	2.949	11.9	21.6
1 22	9 51.86	+ 7 30.2	2.036	2.948	8.7	21.4
2 1	9 44.53	+ 8 1.2	1.985	2.947	5.1	21.2
2 11	9 36.19	+ 8 41.4	1.961	2.945	1.9	20.9
2 21	9 27.74	+ 9 26.2	1.968	2.943	3.9	21.1
3 2	9 20.09	+10 10.9	2.003	2.941	7.5	21.3
3 12	9 14.04	+10 51.1	2.065	2.939	11.0	21.5
3 22	9 10.10	+11 23.8	2.149	2.937	13.9	21.7

135193 2001 RR_{23} 2 11.2 252°.33 0°.1/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.70	+12 43.0	2.494	3.341	10.0	20.7
1 22	9 51.23	+13 18.0	2.403	3.325	7.0	20.5
2 1	9 44.19	+14 0.6	2.339	3.309	3.6	20.3
2 11	9 36.19	+14 47.0	2.305	3.292	0.1	19.9
2 21	9 27.99	+15 32.7	2.302	3.275	3.6	20.2
3 2	9 20.41	+16 13.7	2.328	3.258	7.2	20.4
3 12	9 14.17	+16 46.8	2.382	3.241	10.3	20.6
3 22	9 9.79	+17 10.2	2.458	3.223	13.0	20.8

219339 2000 QP_{23} 2 11.2 85°.07 0°.3/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.42	+10 37.4	1.903	2.752	12.4	20.4
1 22	9 52.51	+11 58.0	1.855	2.778	8.6	20.3
2 1	9 44.82	+13 29.6	1.833	2.803	4.4	20.0
2 11	9 36.21	+15 4.9	1.840	2.827	0.3	19.7
2 21	9 27.66	+16 36.1	1.878	2.851	4.4	20.1
3 2	9 20.15	+17 56.4	1.945	2.875	8.3	20.4
3 12	9 14.48	+19 1.8	2.039	2.899	11.7	20.7
3 22	9 11.09	+19 50.5	2.154	2.922	14.5	20.9

464985 2006 BX_{24} 2 11.2 82°.56 2°.1/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.77	+ 7 32.0	1.901	2.737	13.0	20.9
1 22	9 54.11	+ 7 31.2	1.845	2.757	9.4	20.8
2 1	9 45.63	+ 7 42.3	1.815	2.776	5.5	20.6
2 11	9 36.22	+ 8 2.3	1.813	2.796	2.2	20.4
2 21	9 26.91	+ 8 27.2	1.840	2.815	4.2	20.5
3 2	9 18.69	+ 8 52.8	1.896	2.834	7.9	20.8
3 12	9 12.36	+ 9 15.2	1.977	2.852	11.4	21.1
3 22	9 8.37	+ 9 31.8	2.081	2.871	14.3	21.3

306795 2001 OQ_{50} 2 11.2 83°.29 0°.9/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.59	+11 9.2	1.998	2.832	12.6	19.7
1 22	9 57.87	+11 7.6	1.958	2.871	8.8	19.5
2 1	9 47.43	+11 13.7	1.944	2.910	4.7	19.4
2 11	9 36.26	+11 24.1	1.961	2.947	1.0	19.2
2 21	9 25.42	+11 35.1	2.009	2.984	3.9	19.5
3 2	9 15.90	+11 43.9	2.088	3.019	7.7	19.7
3 12	9 8.42	+11 48.3	2.193	3.054	11.0	20.0
3 22	9 3.37	+11 47.0	2.321	3.088	13.6	20.3

286355 2001 XR_{130} 2 11.2 95°.54 1°.9/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.16	+ 7 0.8	1.871	2.709	13.1	21.2
1 22	9 53.08	+ 7 20.8	1.811	2.724	9.5	21.0
2 1	9 45.14	+ 7 54.4	1.776	2.739	5.5	20.8
2 11	9 36.22	+ 8 37.6	1.769	2.753	2.1	20.6
2 21	9 27.31	+ 9 25.2	1.791	2.767	4.1	20.7
3 2	9 19.44	+10 11.8	1.842	2.781	8.0	21.0
3 12	9 13.43	+10 52.8	1.918	2.795	11.6	21.3
3 22	9 9.75	+11 25.2	2.017	2.808	14.6	21.5

369372 2009 UT_{109} 2 11.2 120°.24 2°.0/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.23	+18 7.8	2.036	2.896	11.2	21.2
1 22	9 53.10	+18 56.7	1.976	2.905	7.8	21.0
2 1	9 45.16	+19 49.2	1.943	2.914	4.1	20.8
2 11	9 36.22	+20 39.4	1.939	2.922	2.1	20.7
2 21	9 27.27	+21 21.8	1.965	2.930	5.1	20.9
3 2	9 19.30	+21 52.3	2.019	2.938	8.7	21.2
3 12	9 13.15	+22 9.3	2.098	2.945	12.0	21.4
3 22	9 9.27	+22 12.7	2.198	2.953	14.7	21.6

135878 2002 TN_{39} 2 11.2 88°.12 2°.5/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.79	+19 14.1	1.813	2.673	12.4	19.9
1 22	9 56.23	+20 2.6	1.775	2.703	8.6	19.7
2 1	9 46.70	+20 52.6	1.763	2.733	4.5	19.5
2 11	9 36.26	+21 37.2	1.780	2.762	2.6	19.4
2 21	9 26.07	+22 11.2	1.827	2.790	5.6	19.7
3 2	9 17.23	+22 31.2	1.901	2.818	9.3	20.0
3 12	9 10.57	+22 36.6	2.001	2.845	12.6	20.2
3 22	9 6.49	+22 28.8	2.121	2.872	15.3	20.5

416969 2005 TZ_{1} 2 11.2 31°.04 10°.6/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 12.85	+42 5.3	1.654	2.493	14.5	20.6
1 22	10 3.20	+42 50.9	1.610	2.496	12.2	20.5
2 1	9 50.49	+43 14.4	1.589	2.500	10.8	20.4
2 11	9 36.33	+43 6.5	1.594	2.504	10.9	20.4
2 21	9 22.63	+42 23.6	1.624	2.509	12.5	20.5
3 2	9 11.12	+41 8.3	1.677	2.513	14.9	20.7
3 12	9 2.96	+39 28.1	1.752	2.518	17.3	20.8
3 22	8 58.51	+37 31.4	1.845	2.523	19.5	21.0

53182 1999 CW_{40} 2 11.2 316°.02 7°.3/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.89	+30 26.5	1.521	2.394	13.7	18.4
1 22	9 56.52	+31 26.9	1.454	2.379	10.4	18.2
2 1	9 47.27	+32 19.7	1.410	2.363	7.8	18.0
2 11	9 36.28	+32 54.6	1.392	2.349	7.7	17.9
2 21	9 25.07	+33 4.3	1.400	2.335	10.3	18.0
3 2	9 15.31	+32 46.0	1.432	2.321	13.8	18.2
3 12	9 8.27	+32 2.0	1.485	2.308	17.3	18.4
3 22	9 4.63	+30 57.4	1.556	2.295	20.4	18.6

90260 2003 BC_{83} 2 11.2 280°.76 3°.3/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.44	+22 29.3	2.297	3.163	9.9	19.5
1 22	9 51.15	+23 35.4	2.231	3.160	7.0	19.3
2 1	9 44.17	+24 42.4	2.191	3.158	4.2	19.1
2 11	9 36.22	+25 43.9	2.181	3.155	3.5	19.0
2 21	9 28.16	+26 34.5	2.201	3.152	5.9	19.2
3 2	9 20.89	+27 10.4	2.248	3.149	8.9	19.4
3 12	9 15.20	+27 30.1	2.321	3.147	11.7	19.5
3 22	9 11.57	+27 34.3	2.414	3.144	14.1	19.7

104073 2000 EZ_{24} 2 11.2 229°.36 2°.4/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.16	+20 23.8	2.213	3.074	10.5	19.9
1 22	9 53.02	+20 57.1	2.142	3.071	7.3	19.7
2 1	9 45.13	+21 31.7	2.099	3.068	4.0	19.5
2 11	9 36.24	+22 2.6	2.084	3.065	2.5	19.4
2 21	9 27.28	+22 25.2	2.099	3.062	5.1	19.6
3 2	9 19.19	+22 36.6	2.143	3.059	8.5	19.8
3 12	9 12.80	+22 35.7	2.212	3.055	11.6	20.0
3 22	9 8.59	+22 22.8	2.303	3.052	14.2	20.1

358969 2008 RA_{98} 2 11.2 76°.26 1°.4/12.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.62	+ 8 46.4	1.382	2.235	16.0	21.3
1 22	9 55.83	+ 9 14.7	1.337	2.259	11.4	21.1
2 1	9 46.65	+ 9 58.5	1.315	2.282	6.2	20.9
2 11	9 36.27	+10 51.4	1.320	2.306	1.5	20.6
2 21	9 26.08	+11 45.9	1.352	2.329	5.0	20.9
3 2	9 17.44	+12 35.1	1.412	2.352	9.8	21.2
3 12	9 11.33	+13 14.1	1.494	2.375	14.0	21.6
3 22	9 8.20	+13 40.4	1.597	2.397	17.5	21.8

110845 2001 UE_{74} 2 11.2 198°.45 1°.2/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 55.56	+ 7 51.9	2.722	3.552	9.7	20.4
1 22	9 50.26	+ 8 18.8	2.639	3.549	7.0	20.2
2 1	9 43.62	+ 8 55.2	2.584	3.546	4.0	20.0
2 11	9 36.22	+ 9 38.3	2.559	3.543	1.3	19.8
2 21	9 28.70	+10 24.5	2.564	3.539	3.1	19.9
3 2	9 21.78	+11 9.8	2.600	3.535	6.2	20.1
3 12	9 16.08	+11 50.8	2.663	3.531	9.1	20.3
3 22	9 12.02	+12 25.1	2.750	3.526	11.5	20.4

85206 1992 EQ_{7} 2 11.2 340°.39 3°.5/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.21	+22 38.5	2.033	2.902	10.9	19.6
1 22	9 51.83	+23 29.8	1.966	2.897	7.7	19.4
2 1	9 44.57	+24 21.6	1.926	2.893	4.6	19.2
2 11	9 36.23	+25 7.3	1.913	2.889	3.7	19.2
2 21	9 27.80	+25 41.5	1.930	2.885	6.2	19.3
3 2	9 20.30	+26 0.7	1.974	2.882	9.5	19.5
3 12	9 14.59	+26 3.7	2.041	2.879	12.7	19.7
3 22	9 11.19	+25 51.5	2.129	2.876	15.3	19.9

294417 2007 VZ_{215} 2 11.2 241°.95 6°.5/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.05	+34 19.4	2.382	3.237	10.0	20.6
1 22	9 53.75	+35 29.1	2.324	3.232	7.9	20.4
2 1	9 45.54	+36 30.3	2.293	3.227	6.6	20.3
2 11	9 36.25	+37 16.0	2.290	3.222	6.8	20.4
2 21	9 26.89	+37 41.6	2.315	3.217	8.5	20.4
3 2	9 18.48	+37 45.2	2.366	3.212	10.7	20.6
3 12	9 11.90	+37 28.0	2.439	3.206	13.0	20.7
3 22	9 7.65	+36 53.2	2.531	3.201	14.9	20.9

31327 1998 HM_{34} 2 11.2 59°.26 3°.0/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 54.42	+ 1 58.6	2.325	3.141	11.7	18.9
1 22	9 49.62	+ 2 24.3	2.248	3.143	8.8	18.7
2 1	9 43.34	+ 3 5.7	2.195	3.145	5.7	18.6
2 11	9 36.21	+ 3 59.9	2.171	3.147	3.2	18.4
2 21	9 28.98	+ 5 2.6	2.176	3.149	3.9	18.4
3 2	9 22.45	+ 6 8.8	2.211	3.151	6.8	18.6
3 12	9 17.29	+ 7 13.0	2.273	3.152	9.9	18.8
3 22	9 13.97	+ 8 11.1	2.358	3.154	12.6	19.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
520013 2013 UQ_{20}			2 11.2 163°.40		0°.8/10.6 17	
	h m	° ′			°	m
1 12	9 58.15	+15 2.9	2.064	2.921	11.3	21.6
1 22	9 52.38	+15 34.1	1.994	2.921	7.9	21.4
2 1	9 44.82	+16 11.4	1.950	2.921	4.0	21.1
2 11	9 36.25	+16 50.1	1.935	2.922	0.8	20.9
2 21	9 27.60	+17 25.3	1.950	2.922	4.4	21.2
3 2	9 19.84	+17 52.8	1.993	2.922	8.2	21.4
3 12	9 13.80	+18 10.2	2.061	2.922	11.6	21.6
3 22	9 9.96	+18 16.6	2.151	2.922	14.5	21.8
465817 2010 EP_{66}			2 11.2 146°.21		2°.4/13.8 18	
1 12	9 55.10	+ 2 42.0	2.410	3.227	11.3	21.5
1 22	9 50.05	+ 3 26.0	2.334	3.232	8.4	21.3
2 1	9 43.55	+ 4 25.2	2.283	3.236	5.3	21.1
2 11	9 36.23	+ 5 36.1	2.262	3.241	2.7	20.9
2 21	9 28.82	+ 6 53.8	2.271	3.245	3.6	21.0
3 2	9 22.10	+ 8 12.8	2.311	3.249	6.7	21.2
3 12	9 16.72	+ 9 27.5	2.378	3.253	9.7	21.4
3 22	9 13.14	+10 34.1	2.469	3.257	12.3	21.6
284747 2008 UD_{305}			2 11.2 356°.49		1°.6/12.4 18	
1 12	9 58.04	+ 8 57.7	2.110	2.950	11.8	20.0
1 22	9 52.25	+ 8 54.3	2.035	2.949	8.5	19.8
2 1	9 44.75	+ 9 0.6	1.985	2.949	4.9	19.6
2 11	9 36.26	+ 9 14.1	1.964	2.948	1.7	19.3
2 21	9 27.69	+ 9 31.5	1.973	2.948	3.8	19.5
3 2	9 19.96	+ 9 49.2	2.010	2.948	7.5	19.7
3 12	9 13.87	+10 4.0	2.073	2.948	10.9	19.9
3 22	9 9.90	+10 13.5	2.159	2.948	13.8	20.1
31535 1999 CE_{150}			2 11.2 242°.53		2°.0/12.9 18	
1 12	9 56.91	+ 5 27.6	1.921	2.756	13.0	19.1
1 22	9 51.69	+ 6 8.0	1.840	2.750	9.5	18.8
2 1	9 44.55	+ 7 5.2	1.783	2.743	5.6	18.6
2 11	9 36.26	+ 8 15.0	1.753	2.737	2.2	18.4
2 21	9 27.76	+ 9 31.3	1.754	2.730	4.1	18.5
3 2	9 20.08	+10 47.3	1.783	2.723	8.2	18.7
3 12	9 14.11	+11 56.6	1.838	2.715	12.0	18.9
3 22	9 10.43	+12 55.0	1.915	2.708	15.2	19.1
283067 2008 RL_{45}			2 11.2 158°.26		0°.2/11.4 18	
1 12	10 2.61	+11 12.3	1.883	2.727	12.8	22.6
1 22	9 55.59	+11 54.1	1.817	2.736	9.0	22.4
2 1	9 46.53	+12 46.5	1.776	2.745	4.7	22.1
2 11	9 36.32	+13 43.8	1.765	2.752	0.2	21.8
2 21	9 26.04	+14 40.0	1.784	2.758	4.4	22.1
3 2	9 16.83	+15 29.4	1.832	2.763	8.6	22.4
3 12	9 9.60	+16 8.2	1.906	2.768	12.4	22.6
3 22	9 4.87	+16 34.7	2.002	2.771	15.4	22.9
50519 2000 DG_{110}			2 11.2 29°.67		13°.3/ 3.0 18	
1 12	10 14.69	+47 38.9	1.565	2.390	15.9	17.9
1 22	10 4.91	+48 47.6	1.530	2.394	14.2	17.8
2 1	9 51.52	+49 28.3	1.517	2.397	13.3	17.8
2 11	9 36.41	+49 29.8	1.527	2.402	13.7	17.8
2 21	9 21.86	+48 48.6	1.559	2.406	15.1	17.9
3 2	9 9.94	+47 28.3	1.612	2.411	17.1	18.1
3 12	9 1.89	+45 38.0	1.685	2.416	19.2	18.2
3 22	8 58.02	+43 27.9	1.773	2.421	21.0	18.4
322791 2001 QR_{130}			2 11.2 133°.47		1°.3/12.2 18	
1 12	10 1.06	+ 9 0.2	2.126	2.961	11.9	21.1
1 22	9 54.26	+ 9 11.2	2.061	2.974	8.5	20.9
2 1	9 45.75	+ 9 32.1	2.023	2.987	4.8	20.7
2 11	9 36.30	+ 9 59.7	2.014	2.999	1.4	20.5
2 21	9 26.87	+10 29.9	2.035	3.010	3.8	20.7
3 2	9 18.38	+10 58.7	2.086	3.021	7.5	20.9
3 12	9 11.62	+11 22.8	2.163	3.031	10.8	21.2
3 22	9 7.05	+11 40.0	2.263	3.041	13.6	21.4
458400 2010 XP_{58}			2 11.2 111°.70		1°.9/12.8 18	
1 12	9 59.33	+ 6 16.3	1.974	2.807	12.8	21.6
1 22	9 53.14	+ 6 48.0	1.914	2.824	9.3	21.4
2 1	9 45.19	+ 7 33.5	1.880	2.841	5.4	21.2
2 11	9 36.29	+ 8 28.7	1.874	2.858	2.0	21.0
2 21	9 27.42	+ 9 27.9	1.898	2.874	4.0	21.1
3 2	9 19.53	+10 25.7	1.951	2.889	7.7	21.4
3 12	9 13.42	+11 17.0	2.031	2.905	11.2	21.6
3 22	9 9.55	+11 58.8	2.133	2.919	14.1	21.9
453017 2007 QU_{16}			2 11.2 121°.59		1°.9/ 9.8 18	
1 12	10 2.97	+17 0.7	1.820	2.677	12.5	21.5
1 22	9 55.81	+17 52.2	1.767	2.695	8.6	21.3
2 1	9 46.60	+18 48.4	1.741	2.712	4.5	21.1
2 11	9 36.32	+19 42.4	1.744	2.728	1.9	20.9
2 21	9 26.12	+20 27.9	1.777	2.744	5.3	21.2
3 2	9 17.14	+21 0.7	1.838	2.759	9.3	21.4
3 12	9 10.27	+21 19.0	1.924	2.774	12.8	21.7
3 22	9 5.99	+21 23.1	2.031	2.787	15.7	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
233948 2009 WQ_{169}			2 11.2 68°.70		1°.3/12.2 18	
	h m	° ′			°	m
1 12	9 58.48	+ 9 13.6	1.883	2.729	12.7	20.3
1 22	9 52.69	+ 9 28.1	1.816	2.734	9.1	20.1
2 1	9 45.02	+ 9 54.1	1.773	2.739	5.1	19.9
2 11	9 36.29	+10 27.7	1.759	2.744	1.4	19.6
2 21	9 27.51	+11 4.3	1.773	2.750	4.1	19.8
3 2	9 19.70	+11 39.0	1.816	2.755	8.1	20.1
3 12	9 13.72	+12 7.7	1.884	2.760	11.8	20.3
3 22	9 10.08	+12 28.1	1.974	2.766	14.9	20.5
520961 2014 YP_{60}			2 11.2 142°.09		0°.7/10.7 17	
1 12	9 58.56	+14 33.0	2.178	3.030	10.9	22.0
1 22	9 52.58	+15 5.6	2.110	3.035	7.6	21.8
2 1	9 44.90	+15 44.3	2.070	3.040	3.9	21.6
2 11	9 36.29	+16 24.5	2.059	3.045	0.7	21.3
2 21	9 27.64	+17 1.5	2.078	3.050	4.1	21.6
3 2	9 19.85	+17 31.5	2.126	3.054	7.8	21.8
3 12	9 13.71	+17 51.8	2.200	3.058	11.1	22.0
3 22	9 9.68	+18 1.5	2.295	3.062	13.8	22.2
124187 2001 OL_{59}			2 11.2 241°.68		2°.5/12.9 18	
1 12	9 59.67	+ 5 2.7	1.572	2.411	15.1	20.0
1 22	9 54.02	+ 5 40.4	1.489	2.401	11.2	19.8
2 1	9 45.94	+ 6 38.9	1.429	2.390	6.7	19.5
2 11	9 36.32	+ 7 53.8	1.396	2.379	2.7	19.2
2 21	9 26.34	+ 9 17.8	1.391	2.367	4.9	19.3
3 2	9 17.34	+10 41.9	1.414	2.355	9.7	19.5
3 12	9 10.49	+11 58.3	1.461	2.343	14.2	19.8
3 22	9 6.50	+13 1.5	1.529	2.330	18.1	20.0
297281 1997 GJ_{30}			2 11.2 292°.14		1°.2/10.5 18	
1 12	10 1.09	+14 38.8	1.335	2.205	15.3	20.9
1 22	9 55.51	+15 16.2	1.251	2.184	10.9	20.6
2 1	9 46.93	+16 5.8	1.190	2.162	5.7	20.2
2 11	9 36.35	+17 0.2	1.154	2.140	1.2	19.8
2 21	9 25.21	+17 50.7	1.145	2.118	6.4	20.1
3 2	9 15.21	+18 29.7	1.161	2.097	12.0	20.4
3 12	9 7.84	+18 52.5	1.199	2.075	17.1	20.6
3 22	9 3.94	+18 57.8	1.255	2.054	21.4	20.8
16942 1998 HA_{34}			2 11.2 103°.53		5°.5/17.3 18	
1 12	9 54.64	− 7 12.3	2.524	3.287	12.4	17.8
1 22	9 49.67	− 7 6.4	2.450	3.298	10.1	17.7
2 1	9 43.35	− 6 41.1	2.399	3.308	7.7	17.5
2 11	9 36.27	− 5 57.2	2.375	3.318	5.9	17.4
2 21	9 29.14	− 4 57.8	2.379	3.328	5.7	17.4
3 2	9 22.68	− 3 47.7	2.412	3.338	7.2	17.6
3 12	9 17.51	− 2 32.5	2.473	3.347	9.4	17.7
3 22	9 14.05	− 1 17.8	2.558	3.357	11.7	17.9
144673 2004 FA_{131}			2 11.2 216°.04		10°.0/29.1 17	
1 12	10 7.64	+52 4.8	2.737	3.524	10.9	19.7
1 22	9 59.32	+53 24.2	2.700	3.518	10.2	19.6
2 1	9 48.54	+54 24.1	2.687	3.513	10.0	19.6
2 11	9 36.38	+54 57.8	2.699	3.507	10.6	19.6
2 21	9 24.20	+55 2.2	2.734	3.501	11.6	19.7
3 2	9 13.41	+54 37.9	2.790	3.495	12.8	19.8
3 12	9 5.07	+53 48.4	2.864	3.489	14.0	19.9
3 22	8 59.74	+52 39.4	2.954	3.482	15.1	20.0
355320 2007 SP_{16}			2 11.2 222°.85		1°.8/12.6 17	
1 12	10 0.10	+ 6 40.5	1.846	2.682	13.4	21.7
1 22	9 54.03	+ 7 13.2	1.761	2.673	9.8	21.5
2 1	9 45.84	+ 8 1.9	1.701	2.663	5.7	21.2
2 11	9 36.33	+ 9 2.3	1.669	2.653	2.0	21.0
2 21	9 26.54	+10 8.5	1.666	2.642	4.4	21.1
3 2	9 17.62	+11 13.9	1.692	2.631	8.7	21.3
3 12	9 10.56	+12 12.4	1.745	2.618	12.7	21.5
3 22	9 6.02	+13 0.3	1.818	2.606	16.1	21.8
496381 2013 TT_{13}			2 11.2 208°.78		0°.6/10.7 17	
1 12	9 58.23	+13 50.6	2.199	3.051	10.9	21.9
1 22	9 52.42	+14 31.9	2.122	3.047	7.6	21.7
2 1	9 44.88	+15 20.8	2.072	3.042	3.9	21.5
2 11	9 36.31	+16 12.2	2.051	3.038	0.6	21.2
2 21	9 27.60	+17 1.0	2.060	3.033	4.2	21.5
3 2	9 19.68	+17 42.8	2.099	3.027	7.9	21.7
3 12	9 13.36	+18 14.2	2.164	3.021	11.3	21.9
3 22	9 9.15	+18 34.1	2.250	3.015	14.1	22.1
171469 1103 T_{-2}			2 11.2 66°.14		3°.1/ 8.7 18	
1 12	9 59.77	+22 57.0	2.154	3.017	10.6	19.8
1 22	9 53.43	+23 29.9	2.097	3.026	7.4	19.7
2 1	9 45.34	+24 1.5	2.067	3.034	4.3	19.5
2 11	9 36.34	+24 26.6	2.066	3.043	3.3	19.4
2 21	9 27.38	+24 40.9	2.095	3.051	5.6	19.6
3 2	9 19.43	+24 42.3	2.151	3.060	8.8	19.8
3 12	9 13.28	+24 30.5	2.232	3.069	11.7	20.0
3 22	9 9.35	+24 6.6	2.335	3.078	14.2	20.2

415650 2014 QB_{403} 2 11.2 68°.47 5°.1/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 6.88	+26 50.7	1.602	2.467	13.5	21.1
1 22	9 58.82	+27 15.7	1.550	2.476	9.7	20.9
2 1	9 48.25	+27 34.2	1.523	2.485	6.3	20.7
2 11	9 36.41	+27 39.0	1.524	2.494	5.2	20.6
2 21	9 24.77	+27 25.6	1.552	2.504	7.8	20.8
3 2	9 14.76	+26 53.3	1.607	2.513	11.5	21.0
3 12	9 7.41	+26 4.5	1.685	2.522	14.9	21.3
3 22	9 3.18	+25 3.2	1.783	2.531	17.8	21.5

280243 2002 VL_{145} 2 11.2 154°.90 0°.1/11.4 17

1 12	9 56.64	+11 44.6	2.604	3.446	9.7	21.8
1 22	9 51.05	+12 19.8	2.533	3.452	6.8	21.6
2 1	9 44.07	+13 2.2	2.490	3.458	3.6	21.4
2 11	9 36.32	+13 48.1	2.476	3.463	0.2	21.1
2 21	9 28.52	+14 33.4	2.494	3.468	3.3	21.4
3 2	9 21.40	+15 14.4	2.542	3.473	6.6	21.6
3 12	9 15.60	+15 48.1	2.617	3.477	9.5	21.8
3 22	9 11.55	+16 13.0	2.715	3.481	11.9	22.0

467677 2008 UZ_{206} 2 11.2 271°.20 2°.2/13.0 17

1 12	9 57.04	+ 5 56.5	2.030	2.864	12.4	21.3
1 22	9 51.74	+ 6 13.7	1.944	2.853	9.2	21.0
2 1	9 44.60	+ 6 45.2	1.882	2.842	5.5	20.8
2 11	9 36.33	+ 7 27.8	1.849	2.831	2.4	20.6
2 21	9 27.85	+ 8 17.3	1.845	2.820	4.1	20.7
3 2	9 20.12	+ 9 8.2	1.869	2.809	7.9	20.9
3 12	9 14.02	+ 9 55.6	1.919	2.798	11.5	21.1
3 22	9 10.12	+10 35.5	1.992	2.786	14.7	21.2

99386 2001 YW_{148} 2 11.2 176°.39 1°.6/ 9.5 18

1 12	9 55.97	+18 2.3	2.774	3.629	8.8	20.2
1 22	9 50.57	+18 49.2	2.704	3.630	6.1	20.0
2 1	9 43.82	+19 39.2	2.661	3.631	3.2	19.8
2 11	9 36.32	+20 27.9	2.649	3.632	1.7	19.7
2 21	9 28.74	+21 11.2	2.668	3.632	4.0	19.9
3 2	9 21.81	+21 45.8	2.717	3.633	6.9	20.1
3 12	9 16.14	+22 9.9	2.792	3.633	9.5	20.3
3 22	9 12.15	+22 23.0	2.890	3.632	11.8	20.4

500488 2012 TM_{257} 2 11.2 140°.35 0°.4/11.6 17

1 12	9 56.04	+10 50.1	2.777	3.615	9.3	22.2
1 22	9 50.55	+11 23.5	2.708	3.625	6.5	22.1
2 1	9 43.78	+12 4.2	2.668	3.635	3.5	21.9
2 11	9 36.32	+12 48.7	2.657	3.644	0.4	21.6
2 21	9 28.84	+13 33.2	2.678	3.653	3.1	21.9
3 2	9 22.00	+14 14.4	2.729	3.661	6.1	22.1
3 12	9 16.39	+14 49.2	2.808	3.669	8.9	22.3
3 22	9 12.40	+15 16.1	2.911	3.677	11.2	22.4

83932 2001 VD_{74} 2 11.2 85°.35 3°.1/13.6 18

1 12	9 58.69	+ 4 24.8	2.315	3.134	11.6	19.1
1 22	9 52.56	+ 4 6.5	2.243	3.141	8.7	18.9
2 1	9 44.88	+ 4 0.0	2.198	3.149	5.6	18.8
2 11	9 36.35	+ 4 3.7	2.181	3.157	3.2	18.6
2 21	9 27.79	+ 4 15.4	2.194	3.165	4.1	18.7
3 2	9 20.02	+ 4 31.8	2.237	3.173	7.0	18.9
3 12	9 13.76	+ 4 49.4	2.306	3.180	10.0	19.1
3 22	9 9.45	+ 5 5.2	2.399	3.188	12.6	19.3

142210 2002 RG_{63} 2 11.2 67°.56 3°.8/ 8.7 18

1 12	10 2.80	+21 9.2	1.524	2.395	13.7	19.7
1 22	9 55.88	+22 15.8	1.490	2.423	9.5	19.5
2 1	9 46.68	+23 22.5	1.481	2.450	5.4	19.3
2 11	9 36.39	+24 20.3	1.499	2.477	4.0	19.3
2 21	9 26.37	+25 2.4	1.546	2.504	7.0	19.6
3 2	9 17.90	+25 25.1	1.618	2.531	10.9	19.8
3 12	9 11.90	+25 28.6	1.714	2.558	14.4	20.1
3 22	9 8.78	+25 15.2	1.828	2.584	17.2	20.4

245917 2006 QS_{171} 2 11.2 355°.50 0°.3/11.5 18

1 12	9 55.07	+10 40.3	2.009	2.862	11.7	20.1
1 22	9 50.32	+11 25.0	1.937	2.860	8.3	19.9
2 1	9 43.83	+12 20.9	1.890	2.859	4.4	19.7
2 11	9 36.33	+13 23.0	1.871	2.858	0.3	19.3
2 21	9 28.71	+14 25.4	1.882	2.857	4.0	19.6
3 2	9 21.91	+15 22.5	1.921	2.857	8.0	19.9
3 12	9 16.74	+16 9.9	1.985	2.857	11.5	20.1
3 22	9 13.70	+16 45.2	2.072	2.857	14.5	20.3

158998 2004 SC_{39} 2 11.2 136°.03 3°.0/ 8.8 18

1 12	10 0.39	+21 27.8	2.028	2.891	11.2	20.3
1 22	9 54.00	+22 12.9	1.966	2.895	7.8	20.1
2 1	9 45.71	+22 58.7	1.932	2.900	4.4	19.9
2 11	9 36.37	+23 38.9	1.926	2.904	3.1	19.9
2 21	9 27.01	+24 8.3	1.950	2.909	5.8	20.0
3 2	9 18.68	+24 23.9	2.001	2.913	9.3	20.2
3 12	9 12.23	+24 24.6	2.078	2.916	12.4	20.5
3 22	9 8.15	+24 11.6	2.174	2.920	15.1	20.6

431310 2006 VR_{116} 2 11.2 186°.02 1°.8/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 56.75	+19 30.5	2.851	3.706	8.6	22.0
1 22	9 51.09	+20 8.9	2.779	3.705	5.9	21.8
2 1	9 44.09	+20 49.0	2.736	3.705	3.2	21.6
2 11	9 36.34	+21 26.7	2.723	3.704	1.9	21.5
2 21	9 28.52	+21 58.5	2.740	3.703	4.1	21.7
3 2	9 21.35	+22 21.5	2.788	3.701	6.9	21.9
3 12	9 15.44	+22 34.4	2.862	3.699	9.4	22.0
3 22	9 11.21	+22 36.8	2.959	3.697	11.6	22.2

205529 2001 SJ_{119} 2 11.2 139°.03 0°.0/11.2 17

1 12	9 58.80	+13 29.1	2.448	3.293	10.2	20.5
1 22	9 52.60	+13 39.8	2.378	3.299	7.1	20.3
2 1	9 44.89	+13 55.9	2.336	3.304	3.7	20.1
2 11	9 36.36	+14 14.2	2.323	3.309	0.1	19.8
2 21	9 27.81	+14 31.5	2.341	3.314	3.5	20.1
3 2	9 20.05	+14 44.8	2.388	3.319	6.9	20.3
3 12	9 13.76	+14 52.2	2.463	3.324	9.9	20.5
3 22	9 9.38	+14 52.5	2.560	3.328	12.5	20.7

296103 2009 BC_{43} 2 11.2 93°.35 0°.8/10.7 18

1 12	10 1.92	+13 33.0	1.549	2.409	14.2	20.8
1 22	9 55.32	+14 21.0	1.498	2.426	9.8	20.5
2 1	9 46.45	+15 18.4	1.472	2.444	5.0	20.3
2 11	9 36.39	+16 18.0	1.474	2.461	0.8	20.0
2 21	9 26.42	+17 12.4	1.505	2.478	5.2	20.4
3 2	9 17.81	+17 55.8	1.562	2.494	9.8	20.7
3 12	9 11.52	+18 25.0	1.644	2.510	13.7	21.0
3 22	9 8.06	+18 39.4	1.745	2.526	17.0	21.2

384940 2012 TO_{106} 2 11.2 48°.25 0°.2/11.1 18

1 12	9 57.03	+13 16.7	2.098	2.952	11.2	21.1
1 22	9 51.53	+13 41.2	2.037	2.962	7.8	20.9
2 1	9 44.38	+14 12.9	2.002	2.972	4.0	20.6
2 11	9 36.35	+14 47.3	1.996	2.982	0.2	20.3
2 21	9 28.32	+15 20.0	2.019	2.993	3.9	20.7
3 2	9 21.19	+15 47.2	2.070	3.004	7.7	20.9
3 12	9 15.71	+16 6.1	2.148	3.015	10.9	21.1
3 22	9 12.32	+16 15.4	2.247	3.026	13.7	21.3

117192 2004 RE_{140} 2 11.2 141°.98 1°.0/10.4 18

1 12	9 59.07	+15 12.0	2.262	3.114	10.6	20.3
1 22	9 52.89	+15 54.0	2.198	3.123	7.4	20.1
2 1	9 45.08	+16 41.5	2.162	3.132	3.7	19.9
2 11	9 36.37	+17 29.5	2.155	3.141	1.0	19.7
2 21	9 27.64	+18 13.3	2.179	3.149	4.2	20.0
3 2	9 19.76	+18 48.8	2.232	3.156	7.7	20.2
3 12	9 13.50	+19 13.7	2.311	3.164	10.8	20.4
3 22	9 9.29	+19 27.1	2.413	3.170	13.4	20.6

343924 2011 KW_{4} 2 11.2 180°.13 0°.5/10.7 18

1 12	9 57.00	+13 59.9	2.550	3.398	9.7	21.9
1 22	9 51.36	+14 37.7	2.476	3.399	6.7	21.7
2 1	9 44.27	+15 21.5	2.429	3.399	3.5	21.5
2 11	9 36.35	+16 7.2	2.413	3.399	0.5	21.3
2 21	9 28.35	+16 50.6	2.427	3.399	3.6	21.5
3 2	9 21.04	+17 27.9	2.471	3.399	6.9	21.7
3 12	9 15.09	+17 56.5	2.543	3.398	9.9	21.9
3 22	9 10.95	+18 15.3	2.637	3.396	12.4	22.1

428899 2008 UJ_{357} 2 11.2 43°.11 4°.1/ 8.3 18

1 12	10 0.05	+24 3.2	1.783	2.654	12.1	21.0
1 22	9 53.90	+24 50.2	1.735	2.666	8.5	20.8
2 1	9 45.68	+25 35.1	1.713	2.679	5.2	20.6
2 11	9 36.41	+26 10.8	1.718	2.692	4.3	20.6
2 21	9 27.23	+26 31.9	1.751	2.705	6.9	20.8
3 2	9 19.30	+26 36.0	1.811	2.719	10.3	21.0
3 12	9 13.51	+26 23.1	1.894	2.733	13.5	21.2
3 22	9 10.29	+25 55.5	1.997	2.747	16.1	21.5

343426 2010 DO_{22} 2 11.2 335°.34 1°.3/12.4 17

1 12	9 54.51	+ 7 30.8	2.020	2.864	12.1	20.5
1 22	9 49.96	+ 8 15.3	1.942	2.858	8.7	20.3
2 1	9 43.67	+ 9 14.0	1.889	2.853	4.9	20.1
2 11	9 36.37	+10 22.4	1.864	2.849	1.4	19.8
2 21	9 28.90	+11 34.6	1.868	2.844	3.8	20.0
3 2	9 22.19	+12 44.5	1.901	2.840	7.8	20.2
3 12	9 17.08	+13 46.6	1.959	2.837	11.4	20.4
3 22	9 14.06	+14 37.3	2.040	2.833	14.4	20.6

191047 2002 CS_{42} 2 11.2 288°.74 5°.2/14.8 18

1 12	9 58.58	− 0 22.1	1.901	2.710	14.1	19.9
1 22	9 52.92	− 0 47.6	1.817	2.702	11.1	19.6
2 1	9 45.27	− 0 55.1	1.756	2.694	7.9	19.4
2 11	9 36.41	− 0 44.9	1.721	2.686	5.5	19.3
2 21	9 27.31	− 0 19.3	1.715	2.678	5.9	19.3
3 2	9 19.04	+ 0 17.3	1.736	2.671	8.8	19.4
3 12	9 12.53	+ 0 59.0	1.782	2.663	12.1	19.6
3 22	9 8.37	+ 1 40.5	1.850	2.655	15.2	19.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
220632 2004 QT_{14}			2 11.2 33°.85		3°.6/13.2 18	
	h m	° ′			°	m
1 12	10 1.49	+ 6 15.5	1.525	2.367	15.4	19.1
1 22	9 55.04	+ 5 39.7	1.466	2.378	11.4	18.9
2 1	9 46.34	+ 5 18.7	1.432	2.390	7.1	18.7
2 11	9 36.43	+ 5 10.8	1.423	2.402	3.8	18.5
2 21	9 26.56	+ 5 13.1	1.442	2.416	5.3	18.6
3 2	9 17.99	+ 5 21.5	1.488	2.429	9.3	18.9
3 12	9 11.71	+ 5 31.4	1.558	2.443	13.3	19.2
3 22	9 8.21	+ 5 38.9	1.648	2.458	16.6	19.4
343595 2010 GO_{98}			2 11.2 96°.73		4°.0/ 7.4 18	
1 12	9 57.94	+25 12.3	2.322	3.186	9.9	20.5
1 22	9 52.17	+26 15.1	2.267	3.194	7.1	20.3
2 1	9 44.73	+27 15.8	2.241	3.202	4.6	20.2
2 11	9 36.40	+28 8.1	2.243	3.210	4.2	20.2
2 21	9 28.05	+28 47.2	2.275	3.218	6.3	20.3
3 2	9 20.59	+29 10.2	2.335	3.226	9.0	20.5
3 12	9 14.77	+29 16.7	2.419	3.234	11.6	20.7
3 22	9 11.05	+29 8.1	2.523	3.242	13.9	20.9
365864 2011 UR_{149}			2 11.2 47°.37		2°.3/ 9.8 18	
1 12	10 0.42	+16 28.8	1.261	2.138	15.6	20.6
1 22	9 54.64	+17 27.9	1.218	2.154	10.7	20.4
2 1	9 46.22	+18 34.8	1.198	2.171	5.5	20.1
2 11	9 36.43	+19 39.7	1.204	2.188	2.4	20.0
2 21	9 26.78	+20 33.6	1.236	2.206	6.6	20.3
3 2	9 18.76	+21 10.6	1.292	2.224	11.5	20.6
3 12	9 13.43	+21 28.3	1.371	2.242	15.7	20.9
3 22	9 11.27	+21 27.7	1.469	2.261	19.1	21.2
91267 1999 CY_{113}			2 11.2 149°.17		3°.9/14.0 18	
1 12	10 1.04	+ 2 1.3	1.766	2.585	14.6	19.8
1 22	9 54.62	+ 2 11.4	1.696	2.593	11.1	19.6
2 1	9 46.12	+ 2 40.6	1.651	2.601	7.2	19.4
2 11	9 36.44	+ 3 26.1	1.632	2.608	4.1	19.2
2 21	9 26.66	+ 4 22.8	1.642	2.614	5.1	19.3
3 2	9 17.93	+ 5 24.2	1.681	2.620	8.7	19.5
3 12	9 11.18	+ 6 23.9	1.745	2.625	12.4	19.7
3 22	9 6.97	+ 7 16.6	1.831	2.629	15.6	20.0
14471 1993 SG_{1}			2 11.2 132°.42		3°.1/14.4 18	R
1 12	9 58.54	+ 0 46.1	2.330	3.133	12.1	18.7
1 22	9 52.45	+ 1 22.3	2.263	3.150	9.1	18.6
2 1	9 44.84	+ 2 14.9	2.221	3.167	5.9	18.4
2 11	9 36.41	+ 3 20.7	2.209	3.183	3.4	18.3
2 21	9 27.96	+ 4 34.6	2.227	3.198	4.0	18.3
3 2	9 20.31	+ 5 51.1	2.276	3.212	6.9	18.5
3 12	9 14.16	+ 7 4.4	2.352	3.226	9.9	18.7
3 22	9 9.93	+ 8 10.5	2.453	3.238	12.5	18.9
278947 2008 UF_{61}			2 11.2 105°.33		2°.3/ 9.4 18	
1 12	9 59.51	+19 51.8	2.122	2.983	10.8	21.1
1 22	9 53.31	+20 29.3	2.061	2.990	7.5	20.9
2 1	9 45.34	+21 8.6	2.028	2.997	4.1	20.7
2 11	9 36.42	+21 44.1	2.023	3.004	2.4	20.6
2 21	9 27.50	+22 11.2	2.048	3.011	5.1	20.8
3 2	9 19.55	+22 26.8	2.101	3.018	8.6	21.0
3 12	9 13.36	+22 29.6	2.180	3.025	11.7	21.2
3 22	9 9.40	+22 20.2	2.279	3.031	14.3	21.4
492763 2014 QC_{173}			2 11.2 199°.40		0°.6/11.7 17	
1 12	10 1.31	+10 26.4	2.059	2.899	12.0	23.0
1 22	9 54.69	+10 56.4	1.978	2.895	8.6	22.8
2 1	9 46.15	+11 36.9	1.924	2.891	4.6	22.5
2 11	9 36.44	+12 23.5	1.899	2.885	0.7	22.2
2 21	9 26.56	+13 11.1	1.904	2.879	4.0	22.5
3 2	9 17.53	+13 54.6	1.939	2.872	8.1	22.7
3 12	9 10.25	+14 30.2	2.001	2.865	11.8	22.9
3 22	9 5.30	+14 55.8	2.084	2.856	14.8	23.1
381612 2008 WF_{77}			2 11.2 212°.43		0°.9/12.1 17	
1 12	9 56.84	+ 9 20.5	2.250	3.091	11.1	21.8
1 22	9 51.43	+ 9 48.8	2.172	3.088	7.9	21.6
2 1	9 44.39	+10 27.6	2.120	3.086	4.4	21.4
2 11	9 36.40	+11 13.1	2.097	3.083	1.0	21.1
2 21	9 28.29	+12 0.8	2.104	3.080	3.6	21.3
3 2	9 20.92	+12 46.0	2.140	3.077	7.3	21.5
3 12	9 15.05	+13 24.9	2.203	3.073	10.6	21.7
3 22	9 11.16	+13 55.1	2.289	3.070	13.4	21.9
332796 2009 WD_{64}			2 11.2 198°.46		5°.3/ 6.5 18	
1 12	10 0.92	+28 15.9	2.133	2.996	10.7	21.6
1 22	9 54.49	+29 27.2	2.072	2.994	7.9	21.4
2 1	9 46.04	+30 34.2	2.038	2.992	5.7	21.3
2 11	9 36.44	+31 29.3	2.032	2.989	5.6	21.3
2 21	9 26.74	+32 7.0	2.055	2.986	7.7	21.4
3 2	9 18.03	+32 24.2	2.105	2.983	10.5	21.6
3 12	9 11.23	+32 21.3	2.178	2.979	13.3	21.7
3 22	9 6.88	+32 0.7	2.271	2.975	15.6	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
192091 2006 BQ_{196}			2 11.2 139°.73		1°.3/12.4 18	
	h m	° ′			°	m
1 12	9 56.79	+ 7 44.0	2.031	2.871	12.1	20.3
1 22	9 51.50	+ 8 21.8	1.958	2.873	8.8	20.0
2 1	9 44.45	+ 9 12.9	1.911	2.875	4.9	19.8
2 11	9 36.40	+10 12.7	1.892	2.877	1.4	19.6
2 21	9 28.24	+11 15.9	1.903	2.879	3.9	19.8
3 2	9 20.92	+12 16.7	1.943	2.881	7.7	20.0
3 12	9 15.24	+13 10.1	2.008	2.883	11.3	20.2
3 22	9 11.71	+13 53.0	2.097	2.884	14.3	20.4
163452 2002 RE_{124}			2 11.2 119°.61		3°.4/ 7.9 18	
1 12	9 57.53	+21 59.1	2.204	3.069	10.3	19.7
1 22	9 51.97	+23 16.3	2.146	3.076	7.2	19.5
2 1	9 44.68	+24 34.6	2.116	3.082	4.3	19.4
2 11	9 36.41	+25 47.0	2.115	3.088	3.6	19.3
2 21	9 28.07	+26 47.5	2.143	3.094	6.0	19.5
3 2	9 20.61	+27 31.9	2.200	3.100	9.1	19.7
3 12	9 14.80	+27 58.8	2.281	3.105	12.0	19.9
3 22	9 11.14	+28 8.9	2.383	3.111	14.4	20.1
282028 1990 TV_{9}			2 11.2 119°.48		2°.2/12.8 18	
1 12	10 2.91	+ 6 19.9	1.800	2.632	13.9	21.7
1 22	9 55.76	+ 6 40.5	1.743	2.652	10.1	21.5
2 1	9 46.64	+ 7 15.7	1.711	2.671	5.9	21.3
2 11	9 36.46	+ 8 1.3	1.707	2.690	2.3	21.1
2 21	9 26.35	+ 8 51.6	1.733	2.708	4.3	21.2
3 2	9 17.41	+ 9 41.0	1.788	2.725	8.4	21.5
3 12	9 10.52	+10 24.5	1.868	2.742	12.0	21.8
3 22	9 6.14	+10 59.2	1.971	2.757	15.1	22.0
420582 2012 HL_{27}			2 11.2 343°.40		0°.2/11.1 18	
1 12	9 54.45	+ 9 51.3	1.414	2.281	14.9	20.2
1 22	9 50.53	+11 11.3	1.342	2.273	10.5	19.9
2 1	9 44.21	+12 51.0	1.294	2.265	5.5	19.6
2 11	9 36.41	+14 41.6	1.272	2.259	0.2	19.1
2 21	9 28.35	+16 32.3	1.278	2.253	5.4	19.5
3 2	9 21.35	+18 12.1	1.309	2.248	10.6	19.8
3 12	9 16.58	+19 33.4	1.364	2.244	15.1	20.1
3 22	9 14.69	+20 32.4	1.439	2.241	18.9	20.3
498839 2008 WS_{52}			2 11.2 179°.68		4°.2/ 7.2 17	
1 12	10 0.03	+26 32.6	2.378	3.238	9.9	22.4
1 22	9 53.66	+27 29.8	2.316	3.239	7.1	22.2
2 1	9 45.54	+28 23.9	2.281	3.239	4.8	22.1
2 11	9 36.45	+29 8.9	2.276	3.240	4.5	22.0
2 21	9 27.30	+29 40.0	2.300	3.240	6.5	22.2
3 2	9 19.04	+29 54.7	2.352	3.239	9.2	22.3
3 12	9 12.45	+29 52.7	2.429	3.238	11.8	22.5
3 22	9 8.03	+29 35.8	2.527	3.237	14.0	22.7
45957 2001 AQ_{44}			2 11.2 344°.62		2°.6/ 9.7 18	
1 12	9 58.24	+17 16.4	1.247	2.129	15.4	18.4
1 22	9 53.44	+18 6.9	1.183	2.121	10.7	18.1
2 1	9 45.81	+19 6.2	1.141	2.114	5.6	17.8
2 11	9 36.46	+20 5.1	1.124	2.108	2.7	17.6
2 21	9 26.89	+20 54.3	1.133	2.103	7.0	17.8
3 2	9 18.72	+21 26.9	1.166	2.099	12.2	18.1
3 12	9 13.25	+21 39.7	1.220	2.096	16.9	18.3
3 22	9 11.13	+21 33.1	1.292	2.094	20.7	18.6
282146 2001 RJ_{3}			2 11.2 159°.38		3°.1/14.4 18	
1 12	9 56.68	+ 1 23.5	2.800	3.600	10.3	21.1
1 22	9 51.02	+ 1 24.7	2.721	3.606	7.9	20.9
2 1	9 44.08	+ 1 38.2	2.669	3.611	5.3	20.8
2 11	9 36.42	+ 2 2.5	2.646	3.616	3.3	20.6
2 21	9 28.70	+ 2 34.9	2.654	3.621	3.8	20.7
3 2	9 21.58	+ 3 12.3	2.691	3.625	6.1	20.8
3 12	9 15.67	+ 3 50.7	2.757	3.629	8.6	21.0
3 22	9 11.37	+ 4 27.0	2.847	3.632	11.0	21.2
407476 2010 UV_{95}			2 11.2 91°.11		0°.2/11.4 18	
1 12	10 0.72	+11 3.2	1.836	2.684	12.9	21.6
1 22	9 54.19	+11 47.3	1.787	2.709	9.0	21.4
2 1	9 45.80	+12 41.6	1.764	2.733	4.7	21.2
2 11	9 36.46	+13 40.1	1.770	2.757	0.3	20.9
2 21	9 27.24	+14 36.7	1.805	2.780	4.2	21.3
3 2	9 19.16	+15 26.0	1.870	2.803	8.3	21.6
3 12	9 13.05	+16 4.4	1.959	2.826	11.9	21.8
3 22	9 9.33	+16 30.5	2.071	2.848	14.8	22.1
473567 2015 XK_{217}			2 11.2 180°.10		3°.7/ 8.4 18	
1 12	10 3.17	+21 2.8	1.740	2.604	12.6	21.3
1 22	9 56.32	+22 17.2	1.676	2.606	8.9	21.1
2 1	9 47.10	+23 34.2	1.639	2.607	5.1	20.9
2 11	9 36.50	+24 45.1	1.630	2.607	3.9	20.8
2 21	9 25.76	+25 41.9	1.651	2.607	7.0	21.0
3 2	9 16.20	+26 19.6	1.698	2.606	10.9	21.2
3 12	9 8.88	+26 37.0	1.770	2.604	14.4	21.4
3 22	9 4.40	+26 35.7	1.861	2.602	17.4	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
38784 2000 RT_{42}			2 11.2 171°.26		1°.7/12.4 18	
	h m	° ′			°	m
1 12	10 2.42	+ 8 20.6	1.853	2.690	13.3	20.3
1 22	9 55.56	+ 8 30.9	1.780	2.693	9.6	20.0
2 1	9 46.62	+ 8 53.4	1.733	2.696	5.5	19.8
2 11	9 36.49	+ 9 24.6	1.714	2.698	1.8	19.5
2 21	9 26.25	+ 9 59.8	1.725	2.700	4.3	19.7
3 2	9 17.04	+10 34.2	1.764	2.701	8.5	20.0
3 12	9 9.80	+11 3.4	1.829	2.701	12.3	20.2
3 22	9 5.07	+11 24.8	1.916	2.701	15.5	20.4
140766 2001 UZ_{122}			2 11.2 192°.70		7°.0/ 1.9 18	
1 12	10 1.76	+41 45.5	3.068	3.895	8.8	20.6
1 22	9 54.81	+42 59.9	3.019	3.893	7.6	20.5
2 1	9 46.14	+44 2.7	2.998	3.890	7.0	20.5
2 11	9 36.48	+44 48.1	3.004	3.887	7.4	20.5
2 21	9 26.74	+45 12.9	3.038	3.883	8.6	20.5
3 2	9 17.84	+45 15.9	3.097	3.879	10.1	20.6
3 12	9 10.57	+44 58.9	3.178	3.875	11.6	20.8
3 22	9 5.43	+44 25.0	3.277	3.870	12.9	20.9
265683 2005 UG_{79}			2 11.2 55°.17		9°.5/ 3.9 18	
1 12	10 3.46	+36 27.5	1.605	2.468	13.6	19.5
1 22	9 56.70	+38 7.7	1.577	2.485	11.0	19.4
2 1	9 47.28	+39 31.9	1.574	2.502	9.5	19.3
2 11	9 36.51	+40 29.5	1.595	2.519	9.9	19.4
2 21	9 25.93	+40 54.9	1.642	2.536	11.9	19.5
3 2	9 17.05	+40 47.9	1.712	2.554	14.4	19.7
3 12	9 10.94	+40 12.9	1.801	2.572	16.8	19.9
3 22	9 8.04	+39 16.1	1.907	2.590	18.8	20.1
403277 2009 AD_{46}			2 11.2 215°.29		1°.5/12.3 18	
1 12	10 1.57	+ 8 43.0	1.851	2.691	13.2	21.1
1 22	9 55.07	+ 8 56.8	1.770	2.685	9.5	20.8
2 1	9 46.43	+ 9 23.0	1.714	2.678	5.4	20.6
2 11	9 36.50	+ 9 58.0	1.686	2.671	1.6	20.3
2 21	9 26.34	+10 36.9	1.688	2.663	4.3	20.4
3 2	9 17.12	+11 14.6	1.718	2.655	8.7	20.7
3 12	9 9.83	+11 46.6	1.773	2.646	12.6	20.9
3 22	9 5.06	+12 10.0	1.851	2.637	15.9	21.1
331405 2012 FJ_{43}			2 11.3 149°.01		0°.7/11.8 18	
1 12	9 59.01	+10 15.2	2.014	2.859	12.1	21.3
1 22	9 53.04	+10 45.6	1.945	2.864	8.6	21.1
2 1	9 45.27	+11 26.6	1.901	2.868	4.6	20.9
2 11	9 36.47	+12 13.6	1.887	2.873	0.7	20.6
2 21	9 27.59	+13 1.6	1.902	2.877	4.0	20.9
3 2	9 19.63	+13 45.4	1.946	2.881	7.9	21.1
3 12	9 13.40	+14 21.4	2.016	2.885	11.5	21.3
3 22	9 9.40	+14 47.2	2.108	2.888	14.4	21.5
340821 2006 UQ_{110}			2 11.3 44°.82		6°.1/17.4 18	
1 12	9 54.30	− 7 9.2	2.133	2.907	14.0	20.4
1 22	9 49.67	− 7 1.7	2.062	2.917	11.4	20.2
2 1	9 43.48	− 6 31.4	2.014	2.927	8.7	20.0
2 11	9 36.42	− 5 39.3	1.991	2.938	6.6	19.9
2 21	9 29.31	− 4 29.3	1.996	2.949	6.3	19.9
3 2	9 22.97	− 3 7.3	2.030	2.960	8.0	20.1
3 12	9 18.14	− 1 40.5	2.089	2.971	10.5	20.2
3 22	9 15.25	− 0 15.6	2.172	2.983	13.1	20.4
366919 2005 UM_{226}			2 11.3 155°.24		1°.8/ 9.7 18	
1 12	10 0.29	+17 53.2	2.199	3.054	10.7	22.4
1 22	9 53.84	+18 37.8	2.134	3.061	7.4	22.2
2 1	9 45.64	+19 25.9	2.097	3.067	3.9	22.0
2 11	9 36.48	+20 12.1	2.090	3.073	1.9	21.9
2 21	9 27.28	+20 51.3	2.113	3.078	4.8	22.1
3 2	9 18.99	+21 19.9	2.165	3.083	8.3	22.3
3 12	9 12.40	+21 36.1	2.242	3.087	11.4	22.5
3 22	9 7.99	+21 39.8	2.342	3.091	14.0	22.7
338953 2004 EL_{101}			2 11.3 182°.77		2°.1/ 9.4 17	
1 12	9 59.40	+20 31.6	2.499	3.355	9.6	20.7
1 22	9 53.08	+20 56.6	2.429	3.355	6.7	20.6
2 1	9 45.21	+21 22.2	2.386	3.355	3.6	20.4
2 11	9 36.47	+21 44.2	2.374	3.355	2.2	20.3
2 21	9 27.70	+21 59.0	2.392	3.355	4.6	20.4
3 2	9 19.74	+22 4.3	2.439	3.354	7.6	20.6
3 12	9 13.28	+21 59.0	2.513	3.353	10.5	20.8
3 22	9 8.78	+21 43.6	2.609	3.352	12.9	21.0
110227 2001 SP_{225}			2 11.3 130°.67		3°.4/14.7 18	
1 12	9 54.99	+ 0 37.0	2.347	3.155	11.8	20.4
1 22	9 50.07	+ 0 58.5	2.268	3.157	9.0	20.2
2 1	9 43.68	+ 1 36.2	2.215	3.159	6.1	20.0
2 11	9 36.44	+ 2 27.8	2.189	3.161	3.7	19.8
2 21	9 29.09	+ 3 29.3	2.193	3.163	4.2	19.9
3 2	9 22.43	+ 4 35.4	2.226	3.165	6.9	20.1
3 12	9 17.14	+ 5 40.9	2.287	3.167	9.8	20.2
3 22	9 13.68	+ 6 41.3	2.371	3.169	12.5	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
512291 2016 GJ_{220}			2 11.3 224°.23		0°.3/11.6 17	
	h m	° ′			°	m
1 12	9 57.27	+10 28.8	2.411	3.252	10.5	21.9
1 22	9 51.72	+11 14.2	2.324	3.242	7.4	21.7
2 1	9 44.58	+12 9.7	2.265	3.232	4.0	21.5
2 11	9 36.46	+13 10.9	2.235	3.221	0.4	21.2
2 21	9 28.15	+14 12.9	2.236	3.210	3.6	21.4
3 2	9 20.48	+15 10.6	2.267	3.198	7.2	21.6
3 12	9 14.21	+16 0.3	2.325	3.186	10.4	21.8
3 22	9 9.84	+16 39.5	2.406	3.174	13.2	22.0
305639 2009 BA_{39}			2 11.3 48°.26		0°.4/11.0 18	
1 12	10 3.46	+14 33.6	1.325	2.192	15.6	20.1
1 22	9 56.74	+14 40.4	1.271	2.201	11.0	19.8
2 1	9 47.35	+14 55.4	1.240	2.211	5.7	19.5
2 11	9 36.53	+15 12.9	1.235	2.222	0.4	19.2
2 21	9 25.79	+15 27.2	1.257	2.232	5.6	19.6
3 2	9 16.64	+15 33.8	1.305	2.243	10.7	19.9
3 12	9 10.20	+15 30.3	1.375	2.254	15.1	20.2
3 22	9 6.97	+15 16.5	1.465	2.266	18.7	20.5
30061 Vishnushankar			2 11.3 203°.77		1°.1/11.9 18	
1 12	10 1.44	+ 9 22.0	1.603	2.452	14.4	19.8
1 22	9 55.20	+ 9 51.6	1.529	2.449	10.3	19.5
2 1	9 46.57	+10 35.8	1.479	2.446	5.7	19.2
2 11	9 36.52	+11 29.2	1.457	2.443	1.2	18.9
2 21	9 26.25	+12 25.3	1.463	2.439	4.8	19.2
3 2	9 17.09	+13 17.2	1.497	2.435	9.6	19.4
3 12	9 10.12	+13 59.8	1.555	2.431	13.9	19.7
3 22	9 5.99	+14 30.0	1.633	2.426	17.5	19.9
502631 2015 CG_{30}			2 11.3 210°.36		0°.1/11.1 18	
1 12	9 56.00	+11 18.9	2.307	3.154	10.6	21.4
1 22	9 50.87	+12 18.8	2.229	3.151	7.5	21.2
2 1	9 44.13	+13 28.8	2.179	3.148	3.9	20.9
2 11	9 36.46	+14 43.7	2.158	3.144	0.1	20.6
2 21	9 28.63	+15 57.8	2.167	3.141	3.8	20.9
3 2	9 21.50	+17 5.5	2.207	3.137	7.4	21.1
3 12	9 15.81	+18 2.7	2.273	3.133	10.7	21.3
3 22	9 12.06	+18 47.2	2.361	3.129	13.4	21.5
423381 2005 JT_{96}			2 11.3 166°.57		4°.4/ 6.8 18	
1 12	9 58.28	+26 58.2	2.409	3.271	9.7	20.6
1 22	9 52.45	+28 5.5	2.350	3.273	7.0	20.4
2 1	9 44.94	+29 9.7	2.318	3.275	4.9	20.3
2 11	9 36.48	+30 4.6	2.315	3.276	4.7	20.3
2 21	9 27.94	+30 45.1	2.342	3.277	6.6	20.4
3 2	9 20.25	+31 8.6	2.396	3.278	9.3	20.6
3 12	9 14.17	+31 14.6	2.475	3.279	11.8	20.8
3 22	9 10.18	+31 4.7	2.574	3.280	13.9	20.9
383009 2005 ML_{11}			2 11.3 164°.04		1°.8/13.2 17	
1 12	9 55.09	+ 5 13.6	2.771	3.592	9.9	21.7
1 22	9 49.96	+ 5 46.8	2.693	3.596	7.2	21.6
2 1	9 43.56	+ 6 31.3	2.642	3.599	4.3	21.4
2 11	9 36.44	+ 7 24.1	2.621	3.603	1.9	21.2
2 21	9 29.25	+ 8 21.3	2.631	3.606	3.1	21.3
3 2	9 22.64	+ 9 18.9	2.671	3.608	6.0	21.5
3 12	9 17.22	+10 12.9	2.740	3.610	8.7	21.7
3 22	9 13.37	+11 0.4	2.832	3.612	11.1	21.8
341694 2007 VR_{141}			2 11.3 167°.28		3°.8/15.1 17	
1 12	9 55.79	− 0 46.9	2.598	3.394	11.2	21.2
1 22	9 50.52	− 0 41.2	2.518	3.396	8.7	21.1
2 1	9 43.88	− 0 20.5	2.462	3.399	6.1	20.9
2 11	9 36.46	+ 0 13.6	2.435	3.401	4.1	20.8
2 21	9 28.94	+ 0 58.2	2.438	3.402	4.3	20.8
3 2	9 22.05	+ 1 49.3	2.470	3.404	6.6	20.9
3 12	9 16.43	+ 2 42.2	2.529	3.405	9.2	21.1
3 22	9 12.49	+ 3 32.9	2.613	3.406	11.6	21.3
122912 2000 SL_{168}			2 11.3 143°.82		1°.2/12.2 18	
1 12	9 59.67	+ 9 16.4	2.158	2.995	11.6	20.3
1 22	9 53.39	+ 9 31.6	2.088	3.003	8.3	20.1
2 1	9 45.41	+ 9 56.7	2.045	3.010	4.6	19.8
2 11	9 36.50	+10 28.3	2.032	3.017	1.3	19.6
2 21	9 27.54	+11 2.3	2.048	3.023	3.7	19.8
3 2	9 19.46	+11 34.5	2.093	3.029	7.4	20.0
3 12	9 13.02	+12 1.5	2.166	3.035	10.8	20.3
3 22	9 8.71	+12 21.0	2.260	3.040	13.6	20.5
388034 2005 SN_{124}			2 11.3 216°.91		1°.5/12.4 18	
1 12	10 2.05	+ 7 20.5	1.906	2.739	13.1	22.3
1 22	9 55.45	+ 7 59.1	1.818	2.729	9.6	22.0
2 1	9 46.68	+ 8 53.1	1.755	2.718	5.4	21.7
2 11	9 36.54	+ 9 57.9	1.721	2.706	1.6	21.4
2 21	9 26.08	+11 7.3	1.717	2.692	4.3	21.6
3 2	9 16.45	+12 14.7	1.742	2.678	8.7	21.8
3 12	9 8.68	+13 14.4	1.794	2.663	12.7	22.0
3 22	9 3.43	+14 2.6	1.868	2.646	16.1	22.2

425140 2009 SZ_{262} 2 11.3 96°.31 3°.7/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 1.98	+23 11.8	1.930	2.794	11.6	21.2
1 22	9 55.15	+24 1.9	1.882	2.810	8.2	21.0
2 1	9 46.35	+24 50.6	1.860	2.826	4.9	20.8
2 11	9 36.55	+25 31.1	1.867	2.841	3.9	20.8
2 21	9 26.85	+25 58.1	1.902	2.856	6.4	21.0
3 2	9 18.34	+26 9.0	1.966	2.871	9.7	21.2
3 12	9 11.87	+26 3.7	2.053	2.886	12.8	21.4
3 22	9 7.90	+25 44.2	2.161	2.901	15.3	21.6

423688 2005 YG_{283} 2 11.3 27°.27 2°.1/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.24	+ 7 47.8	1.608	2.458	14.3	20.7
1 22	9 52.81	+ 7 55.1	1.545	2.463	10.4	20.5
2 1	9 45.26	+ 8 16.8	1.506	2.470	6.0	20.2
2 11	9 36.52	+ 8 49.3	1.493	2.477	2.2	20.0
2 21	9 27.73	+ 9 27.1	1.507	2.484	4.6	20.2
3 2	9 20.07	+10 4.8	1.549	2.492	8.9	20.4
3 12	9 14.48	+10 37.3	1.615	2.500	12.9	20.7
3 22	9 11.49	+11 1.2	1.702	2.509	16.3	20.9

128584 2004 PR_{112} 2 11.3 154°.71 2°.9/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.28	+20 1.2	1.954	2.819	11.5	20.2
1 22	9 53.38	+21 3.0	1.891	2.821	8.0	20.0
2 1	9 45.51	+22 7.6	1.854	2.823	4.4	19.8
2 11	9 36.53	+23 8.2	1.846	2.825	3.1	19.7
2 21	9 27.46	+23 58.3	1.867	2.827	5.9	19.9
3 2	9 19.37	+24 33.5	1.916	2.829	9.5	20.1
3 12	9 13.17	+24 52.1	1.990	2.831	12.8	20.3
3 22	9 9.37	+24 54.7	2.083	2.832	15.6	20.5

381962 2010 EA_{95} 2 11.3 84°.36 1°.2/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.40	+15 37.7	2.117	2.975	11.0	20.9
1 22	9 51.88	+16 23.2	2.055	2.983	7.6	20.7
2 1	9 44.66	+17 14.6	2.019	2.990	3.9	20.5
2 11	9 36.51	+18 6.3	2.013	2.998	1.2	20.3
2 21	9 28.32	+18 53.1	2.036	3.005	4.4	20.5
3 2	9 21.02	+19 30.8	2.087	3.013	8.1	20.8
3 12	9 15.37	+19 56.7	2.164	3.020	11.3	21.0
3 22	9 11.84	+20 10.2	2.263	3.028	14.0	21.2

315326 2007 TJ_{368} 2 11.3 274°.95 2°.0/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.13	+17 6.3	1.600	2.466	13.5	20.8
1 22	9 55.15	+17 49.8	1.521	2.452	9.4	20.5
2 1	9 46.66	+18 40.6	1.466	2.438	5.0	20.2
2 11	9 36.58	+19 31.4	1.439	2.423	2.1	20.0
2 21	9 26.18	+20 14.9	1.440	2.409	6.0	20.2
3 2	9 16.85	+20 45.4	1.467	2.394	10.7	20.4
3 12	9 9.79	+20 59.9	1.518	2.380	15.0	20.6
3 22	9 5.68	+20 58.4	1.589	2.365	18.5	20.8

100180 1994 AR_{9} 2 11.3 33°.12 1°.1/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.80	+15 45.5	1.995	2.855	11.5	20.0
1 22	9 52.26	+16 21.4	1.929	2.857	8.0	19.8
2 1	9 44.91	+17 3.2	1.889	2.860	4.1	19.5
2 11	9 36.53	+17 45.5	1.877	2.863	1.2	19.3
2 21	9 28.09	+18 23.3	1.895	2.866	4.6	19.6
3 2	9 20.58	+18 52.3	1.941	2.869	8.4	19.8
3 12	9 14.83	+19 10.0	2.012	2.873	11.8	20.0
3 22	9 11.32	+19 15.8	2.104	2.876	14.7	20.2

213573 2002 NC_{16} 2 11.3 180°.35 0°.5/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.50	+13 16.4	2.071	2.919	11.6	21.3
1 22	9 54.13	+14 1.7	1.998	2.921	8.1	21.1
2 1	9 45.89	+14 55.3	1.952	2.922	4.2	20.9
2 11	9 36.56	+15 51.9	1.935	2.922	0.5	20.6
2 21	9 27.11	+16 45.8	1.949	2.922	4.3	20.9
3 2	9 18.54	+17 31.9	1.992	2.920	8.3	21.1
3 12	9 11.72	+18 6.9	2.061	2.919	11.7	21.3
3 22	9 7.18	+18 29.5	2.152	2.916	14.7	21.5

237520 2000 SP_{49} 2 11.3 189°.37 3°.0/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 54.88	+ 0 30.1	2.961	3.758	9.9	21.4
1 22	9 49.79	+ 0 48.5	2.874	3.757	7.6	21.2
2 1	9 43.49	+ 1 19.8	2.814	3.755	5.1	21.0
2 11	9 36.50	+ 2 2.3	2.783	3.753	3.2	20.9
2 21	9 29.40	+ 2 53.0	2.783	3.751	3.6	20.9
3 2	9 22.83	+ 3 48.1	2.813	3.748	5.8	21.1
3 12	9 17.34	+ 4 43.6	2.872	3.745	8.3	21.2
3 22	9 13.34	+ 5 36.0	2.955	3.741	10.6	21.4

72941 2002 CD_{8} 2 11.3 261°.70 2°.9/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.27	+18 36.5	1.703	2.568	12.8	19.7
1 22	9 55.25	+19 44.0	1.618	2.549	9.0	19.4
2 1	9 46.73	+20 58.8	1.559	2.530	4.9	19.1
2 11	9 36.59	+22 12.4	1.529	2.510	3.1	18.9
2 21	9 26.02	+23 16.4	1.527	2.489	6.6	19.1
3 2	9 16.40	+24 4.2	1.552	2.468	11.0	19.3
3 12	9 8.92	+24 32.6	1.600	2.447	15.1	19.5
3 22	9 4.34	+24 41.7	1.668	2.426	18.5	19.7

312569 2009 HX_{19} 2 11.3 314°.35 3°.9/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 59.58	+20 21.3	1.395	2.274	14.3	19.9
1 22	9 54.34	+21 27.4	1.325	2.261	10.0	19.6
2 1	9 46.33	+22 39.1	1.278	2.248	5.7	19.3
2 11	9 36.58	+23 46.4	1.257	2.236	4.1	19.2
2 21	9 26.52	+24 39.8	1.262	2.224	7.8	19.4
3 2	9 17.71	+25 12.9	1.293	2.213	12.5	19.6
3 12	9 11.46	+25 23.3	1.345	2.202	16.8	19.9
3 22	9 8.48	+25 12.5	1.414	2.192	20.4	20.1

209666 2005 CV_{48} 2 11.3 144°.58 0°.5/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.12	+11 40.3	1.646	2.503	13.6	19.9
1 22	9 53.51	+12 46.2	1.580	2.506	9.6	19.6
2 1	9 45.68	+14 5.4	1.539	2.509	4.9	19.4
2 11	9 36.57	+15 30.2	1.526	2.512	0.5	19.0
2 21	9 27.31	+16 52.2	1.541	2.515	5.0	19.4
3 2	9 19.13	+18 3.8	1.585	2.518	9.6	19.6
3 12	9 13.05	+19 0.0	1.653	2.520	13.6	19.9
3 22	9 9.63	+19 38.9	1.741	2.522	17.0	20.1

244982 2004 BT_{91} 2 11.3 340°.25 4°.4/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.39	+ 1 56.6	1.905	2.726	13.6	19.8
1 22	9 52.09	+ 1 33.5	1.824	2.720	10.5	19.5
2 1	9 44.89	+ 1 26.6	1.768	2.714	7.2	19.3
2 11	9 36.55	+ 1 35.0	1.738	2.709	4.6	19.2
2 21	9 28.04	+ 1 55.9	1.736	2.704	5.3	19.2
3 2	9 20.36	+ 2 25.4	1.761	2.700	8.4	19.4
3 12	9 14.41	+ 2 58.1	1.812	2.696	11.8	19.6
3 22	9 10.74	+ 3 29.4	1.884	2.692	14.9	19.8

202406 2005 LO_{14} 2 11.3 54°.39 3°.9/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.22	+23 4.6	2.077	2.945	10.7	20.3
1 22	9 51.88	+24 21.7	2.021	2.951	7.5	20.1
2 1	9 44.73	+25 38.9	1.992	2.957	4.7	20.0
2 11	9 36.56	+26 49.0	1.991	2.963	4.1	19.9
2 21	9 28.32	+27 45.6	2.020	2.969	6.5	20.1
3 2	9 21.01	+28 24.8	2.076	2.975	9.6	20.3
3 12	9 15.46	+28 45.5	2.156	2.981	12.5	20.5
3 22	9 12.16	+28 48.6	2.257	2.988	15.0	20.7

75836 Warrenastro 2 11.3 46°.84 1°.2/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.41	+15 44.6	1.445	2.313	14.5	18.7
1 22	9 55.20	+16 11.9	1.391	2.322	10.1	18.5
2 1	9 46.56	+16 46.4	1.361	2.333	5.2	18.2
2 11	9 36.61	+17 21.3	1.357	2.343	1.3	18.0
2 21	9 26.70	+17 50.2	1.381	2.354	5.6	18.3
3 2	9 18.22	+18 8.5	1.431	2.365	10.3	18.6
3 12	9 12.19	+18 13.8	1.504	2.376	14.5	18.9
3 22	9 9.12	+18 6.0	1.597	2.388	17.8	19.1

357145 2002 AR_{209} 2 11.3 76°.52 1°.0/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.22	+13 50.8	1.394	2.259	15.1	21.3
1 22	9 55.75	+14 41.6	1.348	2.278	10.5	21.1
2 1	9 46.82	+15 42.4	1.325	2.297	5.3	20.9
2 11	9 36.61	+16 45.0	1.330	2.316	1.0	20.6
2 21	9 26.54	+17 41.2	1.362	2.335	5.6	21.0
3 2	9 17.98	+18 24.7	1.420	2.353	10.4	21.3
3 12	9 11.95	+18 52.4	1.501	2.372	14.6	21.6
3 22	9 8.93	+19 4.1	1.602	2.390	17.9	21.8

491073 2011 RG_{7} 2 11.3 279°.77 0°.6/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.99	+14 18.9	1.415	2.279	15.0	21.9
1 22	9 56.72	+14 37.4	1.334	2.264	10.7	21.6
2 1	9 47.60	+15 5.6	1.277	2.249	5.6	21.2
2 11	9 36.65	+15 37.6	1.246	2.233	0.6	20.8
2 21	9 25.30	+16 6.7	1.242	2.217	5.7	21.2
3 2	9 15.14	+16 27.2	1.265	2.201	11.1	21.4
3 12	9 7.52	+16 35.4	1.310	2.186	16.0	21.7
3 22	9 3.22	+16 30.3	1.374	2.170	20.0	21.9

249427 2009 EH_{18} 2 11.3 209°.22 1°.2/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.89	+ 9 10.0	1.860	2.702	13.0	21.3
1 22	9 54.60	+ 9 31.2	1.782	2.698	9.4	21.0
2 1	9 46.23	+10 4.6	1.728	2.693	5.2	20.8
2 11	9 36.61	+10 46.4	1.702	2.688	1.3	20.5
2 21	9 26.80	+11 31.1	1.706	2.682	4.3	20.7
3 2	9 17.91	+12 13.5	1.739	2.676	8.6	20.9
3 12	9 10.92	+12 49.0	1.797	2.669	12.5	21.1
3 22	9 6.43	+13 15.0	1.877	2.662	15.8	21.4

177663 2005 EC_{6} 2 11.3 312°.95 2°.0/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.88	+16 42.9	1.389	2.263	14.6	20.0
1 22	9 54.55	+17 21.4	1.312	2.247	10.3	19.7
2 1	9 46.46	+18 8.5	1.259	2.232	5.4	19.4
2 11	9 36.62	+18 56.6	1.231	2.216	2.0	19.1
2 21	9 26.42	+19 37.6	1.230	2.202	6.4	19.4
3 2	9 17.41	+20 5.1	1.254	2.187	11.6	19.6
3 12	9 10.91	+20 15.9	1.301	2.174	16.2	19.8
3 22	9 7.65	+20 9.7	1.365	2.160	20.1	20.1

412208 2013 GJ_{110} 2 11.3 324°.65 5°.2/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 2.93	+24 25.5	1.413	2.289	14.3	21.0
1 22	9 56.61	+25 20.6	1.351	2.284	10.2	20.7
2 1	9 47.46	+26 14.2	1.313	2.279	6.4	20.5
2 11	9 36.65	+26 56.7	1.301	2.275	5.4	20.4
2 21	9 25.71	+27 20.2	1.316	2.270	8.6	20.6
3 2	9 16.25	+27 20.8	1.355	2.266	12.8	20.8
3 12	9 9.51	+26 59.3	1.416	2.262	16.7	21.0
3 22	9 6.12	+26 19.0	1.495	2.259	20.0	21.2

368587 2004 RA_{23} 2 11.3 76°.30 1°.6/12.6 18

1 12	9 57.55	+ 6 27.7	1.849	2.689	13.2	20.5
1 22	9 52.09	+ 7 16.2	1.793	2.706	9.5	20.3
2 1	9 44.81	+ 8 19.8	1.761	2.724	5.4	20.0
2 11	9 36.58	+ 9 33.2	1.758	2.742	1.7	19.8
2 21	9 28.36	+10 49.6	1.784	2.760	4.0	20.0
3 2	9 21.14	+12 2.3	1.838	2.778	8.0	20.3
3 12	9 15.74	+13 5.8	1.918	2.795	11.6	20.6
3 22	9 12.60	+13 57.0	2.021	2.813	14.6	20.8

117279 2004 TM_{121} 2 11.3 287°.70 2°.3/12.7 18

1 12	9 59.92	+ 7 7.3	1.446	2.296	15.6	20.0
1 22	9 54.37	+ 7 23.1	1.370	2.289	11.4	19.7
2 1	9 46.29	+ 7 56.9	1.317	2.282	6.7	19.4
2 11	9 36.62	+ 8 44.5	1.290	2.274	2.4	19.1
2 21	9 26.67	+ 9 39.3	1.290	2.267	5.1	19.3
3 2	9 17.85	+10 34.1	1.317	2.260	10.1	19.5
3 12	9 11.35	+11 22.0	1.366	2.253	14.7	19.8
3 22	9 7.87	+11 58.8	1.436	2.246	18.6	20.0

415847 2001 SF_{74} 2 11.3 147°.49 2°.6/13.5 18

1 12	9 59.78	+ 4 30.9	2.251	3.069	11.9	21.6
1 22	9 53.44	+ 4 41.9	2.180	3.079	8.8	21.4
2 1	9 45.47	+ 5 6.0	2.135	3.089	5.5	21.2
2 11	9 36.60	+ 5 40.7	2.119	3.098	2.8	21.1
2 21	9 27.68	+ 6 22.0	2.133	3.106	3.9	21.2
3 2	9 19.58	+ 7 5.5	2.177	3.114	7.1	21.4
3 12	9 13.06	+ 7 46.9	2.248	3.121	10.3	21.6
3 22	9 8.56	+ 8 22.7	2.343	3.127	13.0	21.8

205281 2000 SH_{138} 2 11.3 91°.45 6°.2/15.9 18

1 12	9 59.92	− 3 44.9	1.578	2.381	16.9	19.9
1 22	9 53.99	− 3 42.6	1.518	2.397	13.3	19.7
2 1	9 45.90	− 3 13.9	1.480	2.413	9.6	19.5
2 11	9 36.62	− 2 20.6	1.467	2.428	6.7	19.4
2 21	9 27.32	− 1 8.3	1.480	2.444	6.7	19.4
3 2	9 19.21	+ 0 14.9	1.521	2.459	9.5	19.6
3 12	9 13.24	+ 1 39.9	1.587	2.474	13.0	19.8
3 22	9 9.93	+ 2 59.0	1.674	2.489	16.2	20.1

228284 2000 AJ_{176} 2 11.3 94°.32 1°.8/ 9.6 18

1 12	9 57.33	+15 49.7	2.028	2.888	11.3	19.7
1 22	9 51.93	+17 6.3	1.970	2.899	7.8	19.5
2 1	9 44.75	+18 29.7	1.938	2.910	4.0	19.3
2 11	9 36.58	+19 52.6	1.936	2.920	1.9	19.2
2 21	9 28.36	+21 8.1	1.964	2.931	5.0	19.4
3 2	9 21.05	+22 10.8	2.021	2.941	8.7	19.7
3 12	9 15.46	+22 57.6	2.103	2.951	11.9	19.9
3 22	9 12.06	+23 27.9	2.206	2.961	14.6	20.1

90528 Raywhite 2 11.3 134°.95 2°.4/13.2 18 R

1 12	9 59.36	+ 5 17.6	1.944	2.774	13.1	19.5
1 22	9 53.35	+ 5 38.7	1.876	2.783	9.6	19.3
2 1	9 45.50	+ 6 14.7	1.833	2.791	5.8	19.1
2 11	9 36.61	+ 7 2.1	1.817	2.799	2.6	18.9
2 21	9 27.65	+ 7 55.9	1.831	2.806	4.2	19.0
3 2	9 19.64	+ 8 50.3	1.874	2.814	7.9	19.3
3 12	9 13.40	+ 9 40.2	1.943	2.820	11.4	19.5
3 22	9 9.44	+10 22.0	2.035	2.827	14.5	19.7

390414 2013 YA_{30} 2 11.3 114°.55 3°.5/14.3 17

1 12	9 57.89	+ 2 2.2	2.505	3.311	11.2	21.1
1 22	9 52.00	+ 1 48.4	2.432	3.320	8.6	20.9
2 1	9 44.69	+ 1 47.3	2.384	3.328	5.8	20.8
2 11	9 36.59	+ 1 57.6	2.366	3.336	3.6	20.6
2 21	9 28.45	+ 2 16.9	2.377	3.345	4.2	20.7
3 2	9 21.02	+ 2 42.1	2.418	3.353	6.7	20.8
3 12	9 14.96	+ 3 9.2	2.487	3.360	9.4	21.0
3 22	9 10.69	+ 3 35.1	2.579	3.368	11.8	21.2

374565 2006 BN_{226} 2 11.3 51°.74 0°.0/11.3 18

1 12	9 59.40	+13 0.8	1.803	2.659	12.7	21.1
1 22	9 53.48	+13 20.5	1.741	2.666	8.9	20.8
2 1	9 45.59	+13 48.5	1.703	2.673	4.6	20.6
2 11	9 36.61	+14 20.1	1.694	2.681	0.1	20.2
2 21	9 27.62	+14 50.3	1.713	2.688	4.4	20.6
3 2	9 19.69	+15 14.7	1.760	2.696	8.6	20.9
3 12	9 13.70	+15 30.3	1.832	2.704	12.3	21.1
3 22	9 10.16	+15 35.9	1.925	2.711	15.4	21.3

175098 2004 JF_{18} 2 11.3 28°.12 9°.2/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 7.25	+36 34.5	1.579	2.438	14.0	19.1
1 22	9 59.49	+37 36.6	1.533	2.441	11.3	19.0
2 1	9 48.85	+38 22.9	1.511	2.444	9.5	18.9
2 11	9 36.71	+38 43.5	1.515	2.448	9.6	18.9
2 21	9 24.75	+38 33.1	1.543	2.452	11.5	19.0
3 2	9 14.60	+37 52.1	1.596	2.456	14.3	19.2
3 12	9 7.43	+36 45.4	1.669	2.460	17.1	19.4
3 22	9 3.70	+35 20.1	1.760	2.465	19.5	19.6

298729 2004 FJ_{134} 2 11.3 289°.09 0°.5/11.6 17

1 12	9 59.09	+12 20.7	2.247	3.093	10.9	20.7
1 22	9 53.15	+12 22.3	2.154	3.074	7.8	20.5
2 1	9 45.44	+12 30.8	2.087	3.054	4.2	20.2
2 11	9 36.62	+12 43.1	2.049	3.035	0.5	19.9
2 21	9 27.57	+12 55.9	2.041	3.016	3.8	20.1
3 2	9 19.22	+13 6.1	2.062	2.997	7.6	20.3
3 12	9 12.41	+13 11.2	2.110	2.978	11.1	20.5
3 22	9 7.70	+13 9.6	2.180	2.959	14.1	20.6

427383 2014 XD_{27} 2 11.3 29°.98 0°.1/11.2 18

1 12	9 57.46	+12 21.1	1.464	2.331	14.4	20.3
1 22	9 52.39	+12 56.9	1.414	2.344	10.1	20.1
2 1	9 45.09	+13 44.0	1.387	2.359	5.2	19.8
2 11	9 36.62	+14 35.9	1.387	2.374	0.2	19.4
2 21	9 28.21	+15 25.4	1.414	2.390	5.0	19.9
3 2	9 21.09	+16 6.4	1.467	2.407	9.6	20.2
3 12	9 16.21	+16 35.0	1.544	2.424	13.7	20.5
3 22	9 14.03	+16 49.8	1.640	2.442	17.0	20.7

107619 2001 EQ_{7} 2 11.3 326°.59 2°.5/ 9.7 18

1 12	9 58.80	+17 14.8	1.345	2.222	14.8	19.5
1 22	9 53.82	+18 6.4	1.274	2.210	10.3	19.2
2 1	9 46.10	+19 6.7	1.226	2.199	5.5	18.9
2 11	9 36.66	+20 7.2	1.204	2.188	2.6	18.7
2 21	9 26.92	+20 58.8	1.208	2.178	6.8	18.9
3 2	9 18.44	+21 34.5	1.237	2.169	11.9	19.2
3 12	9 12.51	+21 51.0	1.288	2.160	16.4	19.4
3 22	9 9.83	+21 48.3	1.357	2.152	20.3	19.6

421581 2014 OW_{195} 2 11.3 173°.45 0°.5/10.9 18

1 12	10 2.49	+14 5.6	2.079	2.926	11.6	21.5
1 22	9 55.51	+14 32.8	2.008	2.930	8.1	21.3
2 1	9 46.63	+15 6.6	1.963	2.933	4.2	21.1
2 11	9 36.68	+15 42.2	1.948	2.935	0.5	20.8
2 21	9 26.64	+16 15.0	1.964	2.936	4.3	21.1
3 2	9 17.56	+16 40.9	2.008	2.937	8.2	21.3
3 12	9 10.28	+16 57.4	2.080	2.937	11.7	21.5
3 22	9 5.34	+17 3.7	2.173	2.936	14.6	21.7

239509 2007 VP_{232} 2 11.3 182°.47 4°.5/ 6.7 17

1 12	9 58.80	+27 43.7	2.482	3.342	9.5	20.3
1 22	9 52.83	+28 45.1	2.421	3.343	6.9	20.2
2 1	9 45.20	+29 42.9	2.387	3.343	4.9	20.0
2 11	9 36.64	+30 31.1	2.383	3.342	4.7	20.0
2 21	9 28.00	+31 5.1	2.409	3.342	6.6	20.1
3 2	9 20.20	+31 22.2	2.462	3.341	9.1	20.3
3 12	9 13.98	+31 22.5	2.539	3.341	11.6	20.5
3 22	9 9.81	+31 7.6	2.637	3.340	13.7	20.6

56801 2000 PF_{9} 2 11.3 45°.44 9°.7/31.5 18

1 12	10 0.80	+41 27.4	2.049	2.895	11.8	18.7
1 22	9 54.81	+43 28.3	2.021	2.904	10.3	18.6
2 1	9 46.42	+45 12.5	2.018	2.914	9.7	18.6
2 11	9 36.67	+46 30.7	2.042	2.925	10.3	18.6
2 21	9 26.85	+47 17.6	2.090	2.935	11.9	18.8
3 2	9 18.30	+47 32.6	2.161	2.946	13.8	18.9
3 12	9 12.09	+47 18.8	2.250	2.957	15.6	19.1
3 22	9 8.76	+46 41.7	2.355	2.968	17.1	19.2

407298 2010 JF_{152} 2 11.3 236°.10 2°.6/ 9.4 17

1 12	10 3.34	+19 3.8	1.876	2.735	12.1	22.1
1 22	9 56.49	+19 52.8	1.793	2.721	8.5	21.8
2 1	9 47.33	+20 46.2	1.736	2.705	4.6	21.6
2 11	9 36.70	+21 37.1	1.708	2.690	2.7	21.4
2 21	9 25.77	+22 18.9	1.709	2.673	5.9	21.6
3 2	9 15.77	+22 46.7	1.739	2.656	10.1	21.8
3 12	9 7.82	+22 58.6	1.793	2.637	13.8	22.0
3 22	9 2.57	+22 54.8	1.868	2.619	17.0	22.2

123213 2000 UK_{37} 2 11.3 85°.73 7°.5/ 5.3 18

1 12	10 3.76	+33 50.4	1.875	2.734	12.1	19.6
1 22	9 56.65	+35 7.8	1.837	2.749	9.5	19.4
2 1	9 47.26	+36 13.7	1.825	2.763	7.7	19.4
2 11	9 36.69	+36 59.5	1.840	2.777	7.9	19.4
2 21	9 26.27	+37 20.3	1.882	2.791	9.7	19.5
3 2	9 17.26	+37 15.0	1.949	2.805	12.3	19.7
3 12	9 10.62	+36 46.4	2.038	2.819	14.7	19.9
3 22	9 6.81	+35 59.3	2.145	2.833	16.8	20.1

216621 2002 VD_{136} 2 11.3 135°.26 3°.4/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 0.19	+ 2 46.6	1.986	2.804	13.3	21.0
1 22	9 53.89	+ 2 52.3	1.918	2.814	10.0	20.8
2 1	9 45.78	+ 3 14.1	1.874	2.824	6.5	20.6
2 11	9 36.66	+ 3 49.6	1.858	2.834	3.7	20.5
2 21	9 27.48	+ 4 34.4	1.871	2.843	4.6	20.5
3 2	9 19.23	+ 5 23.5	1.913	2.851	7.9	20.7
3 12	9 12.75	+ 6 11.5	1.982	2.859	11.2	21.0
3 22	9 8.52	+ 6 54.1	2.073	2.867	14.2	21.2

87079 2000 KG_{75} 2 11.3 159°.09 6°.3/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.18	− 6 56.7	2.160	2.928	14.0	19.9
1 22	9 52.47	− 7 2.6	2.082	2.934	11.5	19.7
2 1	9 45.05	− 6 46.5	2.027	2.938	8.8	19.6
2 11	9 36.64	− 6 8.7	1.998	2.943	6.7	19.5
2 21	9 28.11	− 5 12.3	1.997	2.946	6.5	19.4
3 2	9 20.36	− 4 2.5	2.024	2.950	8.3	19.6
3 12	9 14.18	− 2 46.2	2.078	2.953	10.9	19.7
3 22	9 10.07	− 1 30.0	2.155	2.955	13.5	19.9

467120 2016 EG_{73} 2 11.3 339°.15 1°.3/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 52.42	+ 5 54.9	1.253	2.118	16.5	20.1
1 22	9 49.42	+ 7 13.6	1.175	2.102	12.1	19.8
2 1	9 43.85	+ 9 1.0	1.119	2.088	6.8	19.5
2 11	9 36.62	+11 9.1	1.089	2.075	1.5	19.1
2 21	9 28.98	+13 25.6	1.084	2.063	5.4	19.3
3 2	9 22.42	+15 36.1	1.105	2.052	11.1	19.6
3 12	9 18.24	+17 28.7	1.148	2.043	16.2	19.8
3 22	9 17.19	+18 56.7	1.210	2.035	20.5	20.1

110006 2001 ST_{65} 2 11.3 155°.80 5°.1/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.46	− 3 54.5	2.111	2.899	13.7	20.3
1 22	9 51.98	− 3 36.0	2.034	2.904	10.8	20.1
2 1	9 44.80	− 2 56.0	1.980	2.909	7.8	20.0
2 11	9 36.64	− 1 56.4	1.953	2.913	5.5	19.8
2 21	9 28.37	− 0 41.5	1.955	2.917	5.5	19.8
3 2	9 20.88	+ 0 42.3	1.986	2.921	7.8	20.0
3 12	9 14.97	+ 2 8.0	2.044	2.924	10.8	20.2
3 22	9 11.14	+ 3 29.2	2.126	2.927	13.6	20.4

284013 2004 TG_{242} 2 11.3 94°.28 1°.3/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.07	+16 22.1	1.944	2.802	11.8	21.0
1 22	9 53.87	+16 52.9	1.882	2.810	8.2	20.8
2 1	9 45.79	+17 28.7	1.847	2.818	4.2	20.6
2 11	9 36.67	+18 4.2	1.840	2.825	1.3	20.4
2 21	9 27.55	+18 34.3	1.863	2.833	4.7	20.6
3 2	9 19.46	+18 55.3	1.913	2.841	8.6	20.9
3 12	9 13.24	+19 5.1	1.989	2.848	12.0	21.1
3 22	9 9.37	+19 3.4	2.087	2.856	14.9	21.3

7915 1979 MA_{6} 2 11.3 31°.63 0°.4/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.98	+11 28.8	1.317	2.184	15.7	17.8
1 22	9 53.81	+12 29.2	1.256	2.187	11.0	17.5
2 1	9 46.01	+13 45.5	1.219	2.191	5.7	17.2
2 11	9 36.68	+15 9.1	1.208	2.195	0.4	16.8
2 21	9 27.23	+16 29.9	1.223	2.199	5.7	17.2
3 2	9 19.11	+17 38.9	1.265	2.203	10.9	17.5
3 12	9 13.52	+18 30.5	1.328	2.208	15.5	17.8
3 22	9 11.04	+19 2.7	1.411	2.213	19.3	18.0

59787 1999 NO_{55} 2 11.3 152°.64 4°.9/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.66	− 4 30.6	2.526	3.300	12.1	19.7
1 22	9 51.88	− 4 29.9	2.449	3.308	9.7	19.6
2 1	9 44.67	− 4 11.6	2.396	3.316	7.2	19.4
2 11	9 36.65	− 3 36.7	2.371	3.324	5.3	19.3
2 21	9 28.55	− 2 48.1	2.376	3.331	5.2	19.3
3 2	9 21.14	− 1 50.1	2.409	3.337	7.1	19.4
3 12	9 15.06	− 0 47.9	2.471	3.343	9.5	19.6
3 22	9 10.77	+ 0 13.4	2.557	3.348	11.9	19.8

265321 2004 NG_{15} 2 11.3 147°.23 1°.3/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.25	+14 31.3	2.229	3.081	10.7	21.2
1 22	9 52.49	+15 45.5	2.164	3.089	7.4	21.0
2 1	9 45.05	+17 7.1	2.126	3.097	3.8	20.7
2 11	9 36.66	+18 29.7	2.119	3.104	1.3	20.6
2 21	9 28.19	+19 46.9	2.143	3.111	4.5	20.8
3 2	9 20.52	+20 53.4	2.197	3.118	8.0	21.0
3 12	9 14.43	+21 45.7	2.277	3.124	11.2	21.3
3 22	9 10.41	+22 22.9	2.379	3.129	13.8	21.4

108777 2001 OQ_{54} 2 11.3 150°.42 0°.1/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.27	+14 19.3	2.723	3.564	9.4	19.6
1 22	9 53.57	+14 26.1	2.653	3.572	6.6	19.4
2 1	9 45.50	+14 36.8	2.611	3.579	3.4	19.2
2 11	9 36.68	+14 48.8	2.600	3.587	0.2	18.9
2 21	9 27.86	+14 59.1	2.620	3.593	3.3	19.2
3 2	9 19.78	+15 5.6	2.671	3.600	6.4	19.4
3 12	9 13.07	+15 6.5	2.750	3.606	9.2	19.6
3 22	9 8.15	+15 1.3	2.853	3.611	11.6	19.8

176112 2001 DG_{16} 2 11.3 327°.37 3°.0/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 58.03	+17 29.7	1.339	2.218	14.7	19.7
1 22	9 53.31	+18 38.9	1.270	2.207	10.3	19.4
2 1	9 45.86	+19 57.7	1.224	2.196	5.5	19.1
2 11	9 36.70	+21 16.5	1.203	2.186	3.1	18.9
2 21	9 27.23	+22 24.8	1.209	2.177	7.2	19.1
3 2	9 19.00	+23 14.9	1.240	2.168	12.2	19.4
3 12	9 13.30	+23 42.9	1.292	2.160	16.7	19.6
3 22	9 10.84	+23 48.9	1.362	2.152	20.4	19.8

115061 2003 RG_{13} 2 11.3 156°.14 1°.9/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.06	+ 7 44.1	1.873	2.708	13.2	20.4
1 22	9 55.33	+ 7 54.9	1.803	2.714	9.6	20.2
2 1	9 46.60	+ 8 18.4	1.758	2.720	5.6	19.9
2 11	9 36.73	+ 8 51.1	1.742	2.725	2.0	19.7
2 21	9 26.77	+ 9 28.3	1.755	2.730	4.2	19.9
3 2	9 17.84	+10 5.1	1.797	2.734	8.3	20.1
3 12	9 10.84	+10 37.1	1.865	2.738	12.0	20.4
3 22	9 6.29	+11 1.4	1.954	2.741	15.2	20.6

121390 1999 TA_{118} 2 11.3 125°.91 2°.0/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.63	+19 25.3	2.239	3.094	10.6	19.9
1 22	9 54.75	+19 53.7	2.180	3.106	7.3	19.7
2 1	9 46.18	+20 23.6	2.148	3.118	3.9	19.5
2 11	9 36.72	+20 50.1	2.147	3.129	2.0	19.4
2 21	9 27.30	+21 9.1	2.175	3.140	4.7	19.6
3 2	9 18.86	+21 18.0	2.233	3.151	8.1	19.8
3 12	9 12.16	+21 15.8	2.317	3.161	11.1	20.0
3 22	9 7.62	+21 3.1	2.423	3.171	13.6	20.2

67810 2000 VY_{22} 2 11.3 219°.33 1°.4/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.72	+15 33.4	1.583	2.446	13.8	18.8
1 22	9 55.49	+16 12.9	1.514	2.444	9.6	18.6
2 1	9 46.83	+17 0.4	1.470	2.441	5.0	18.3
2 11	9 36.74	+17 49.1	1.453	2.439	1.4	18.0
2 21	9 26.49	+18 32.0	1.465	2.436	5.6	18.3
3 2	9 17.43	+19 3.7	1.503	2.434	10.2	18.6
3 12	9 10.65	+19 21.0	1.565	2.431	14.4	18.8
3 22	9 6.77	+19 23.7	1.647	2.428	17.8	19.0

506206 2016 GO_{246} 2 11.3 252°.98 3°.4/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.79	+ 1 30.2	2.449	3.254	11.5	21.9
1 22	9 52.19	+ 1 38.1	2.346	3.234	8.8	21.7
2 1	9 44.96	+ 2 0.8	2.268	3.213	5.9	21.5
2 11	9 36.70	+ 2 36.7	2.219	3.191	3.6	21.3
2 21	9 28.14	+ 3 22.9	2.200	3.169	4.2	21.3
3 2	9 20.13	+ 4 15.1	2.211	3.147	7.1	21.4
3 12	9 13.44	+ 5 8.4	2.249	3.123	10.2	21.6
3 22	9 8.62	+ 5 58.5	2.311	3.100	13.1	21.7

347505 1999 CM_{4} 2 11.3 316°.02 5°.0/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 55.15	+15 13.6	1.169	2.054	15.9	19.2
1 22	9 52.04	+18 18.8	1.075	2.017	11.1	18.8
2 1	9 45.67	+21 58.3	1.007	1.980	6.3	18.4
2 11	9 36.74	+25 54.3	0.966	1.943	5.8	18.2
2 21	9 26.60	+29 42.3	0.953	1.907	11.1	18.4
3 2	9 17.20	+32 58.9	0.966	1.872	17.2	18.6
3 12	9 10.52	+35 30.5	0.998	1.837	22.6	18.8
3 22	9 7.92	+37 14.2	1.045	1.804	27.2	19.0

371965 2008 FV_{102} 2 11.3 208°.65 0°.7/11.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.05	+ 9 15.9	2.029	2.872	12.0	21.8
1 22	9 52.53	+10 2.4	1.951	2.869	8.6	21.5
2 1	9 45.17	+11 1.7	1.898	2.865	4.7	21.3
2 11	9 36.71	+12 8.6	1.875	2.861	0.8	21.0
2 21	9 28.07	+13 17.3	1.881	2.857	4.0	21.2
3 2	9 20.24	+14 21.6	1.916	2.852	8.0	21.5
3 12	9 14.07	+15 16.7	1.978	2.847	11.6	21.7
3 22	9 10.12	+15 59.8	2.061	2.842	14.7	21.9

358535 2007 TN_{49} 2 11.3 225°.93 0°.6/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.32	+10 51.7	1.750	2.599	13.4	21.2
1 22	9 55.08	+11 18.1	1.671	2.592	9.5	20.9
2 1	9 46.60	+11 56.1	1.617	2.585	5.1	20.6
2 11	9 36.76	+12 41.2	1.591	2.577	0.7	20.3
2 21	9 26.68	+13 27.3	1.593	2.569	4.5	20.6
3 2	9 17.57	+14 8.8	1.624	2.561	9.1	20.8
3 12	9 10.49	+14 41.2	1.680	2.552	13.2	21.0
3 22	9 6.07	+15 2.4	1.757	2.542	16.7	21.2

210440 2008 YD_{104} 2 11.3 324°.51 1°.7/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.52	+15 8.0	1.273	2.150	15.4	20.1
1 22	9 53.76	+15 58.9	1.201	2.137	10.9	19.8
2 1	9 46.16	+17 2.2	1.152	2.125	5.6	19.5
2 11	9 36.75	+18 9.3	1.128	2.113	1.8	19.2
2 21	9 26.99	+19 10.4	1.129	2.102	6.6	19.5
3 2	9 18.49	+19 57.4	1.156	2.092	12.0	19.7
3 12	9 12.63	+20 25.7	1.204	2.082	16.8	20.0
3 22	9 10.13	+20 34.1	1.269	2.074	20.9	20.2

403361 2009 HP_6 2 11.3 17°.64 4°.8/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 58.22	+20 47.7	1.203	2.091	15.4	20.2
1 22	9 53.50	+22 16.6	1.155	2.095	10.8	19.9
2 1	9 45.94	+23 49.7	1.130	2.100	6.3	19.7
2 11	9 36.75	+25 14.7	1.129	2.106	5.1	19.6
2 21	9 27.52	+26 20.5	1.154	2.113	8.7	19.8
3 2	9 19.86	+27 0.6	1.202	2.121	13.3	20.1
3 12	9 15.00	+27 13.9	1.271	2.130	17.4	20.4
3 22	9 13.48	+27 3.0	1.356	2.140	20.8	20.6

310977 2003 UE_{272} 2 11.3 64°.67 3°.9/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.52	+ 2 54.7	1.489	2.324	16.0	20.4
1 22	9 53.87	+ 3 4.6	1.429	2.335	12.1	20.1
2 1	9 45.95	+ 3 35.7	1.391	2.346	7.7	19.9
2 11	9 36.76	+ 4 24.4	1.379	2.357	4.2	19.7
2 21	9 27.52	+ 5 24.5	1.394	2.368	5.3	19.8
3 2	9 19.51	+ 6 28.4	1.436	2.380	9.4	20.1
3 12	9 13.73	+ 7 28.7	1.502	2.391	13.4	20.4
3 22	9 10.72	+ 8 20.1	1.588	2.403	16.9	20.6

31764 1999 JB_{108} 2 11.3 174°.49 2°.3/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.93	+20 55.4	2.668	3.525	9.0	19.7
1 22	9 52.09	+21 37.1	2.600	3.527	6.3	19.5
2 1	9 44.81	+22 19.6	2.560	3.528	3.5	19.3
2 11	9 36.73	+22 58.4	2.550	3.529	2.4	19.2
2 21	9 28.59	+23 29.7	2.571	3.530	4.6	19.4
3 2	9 21.15	+23 50.5	2.621	3.530	7.4	19.6
3 12	9 15.10	+23 59.7	2.697	3.531	10.1	19.7
3 22	9 10.85	+23 57.5	2.796	3.530	12.3	19.9

292238 2006 ST_{69} 2 11.3 91°.98 0°.2/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.72	+11 25.3	1.703	2.556	13.5	21.6
1 22	9 54.47	+12 3.0	1.648	2.571	9.5	21.4
2 1	9 46.17	+12 51.6	1.618	2.587	5.0	21.1
2 11	9 36.77	+13 45.1	1.616	2.602	0.3	20.8
2 21	9 27.40	+14 37.1	1.642	2.618	4.5	21.2
3 2	9 19.21	+15 22.1	1.697	2.633	8.9	21.5
3 12	9 13.10	+15 56.1	1.776	2.647	12.7	21.7
3 22	9 9.55	+16 17.7	1.877	2.662	15.8	22.0

426524 2013 RH_{52} 2 11.3 162°.91 4°.8/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.94	− 0 53.7	2.115	2.915	13.2	21.4
1 22	9 53.04	− 1 6.5	2.037	2.917	10.4	21.2
2 1	9 45.40	− 1 1.9	1.984	2.920	7.3	21.0
2 11	9 36.75	− 0 40.8	1.958	2.922	5.0	20.9
2 21	9 27.97	− 0 6.3	1.961	2.924	5.3	20.9
3 2	9 19.99	+ 0 37.4	1.992	2.926	7.9	21.1
3 12	9 13.62	+ 1 24.7	2.049	2.927	10.9	21.3
3 22	9 9.37	+ 2 10.6	2.130	2.928	13.7	21.5

169602 2002 GF_{84} 2 11.3 264°.58 1°.0/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.75	+13 36.9	1.612	2.474	13.6	20.0
1 22	9 54.20	+14 32.7	1.534	2.463	9.6	19.7
2 1	9 46.24	+15 40.4	1.480	2.451	4.9	19.4
2 11	9 36.78	+16 52.9	1.454	2.440	1.0	19.1
2 21	9 26.99	+18 2.1	1.456	2.428	5.4	19.4
3 2	9 18.21	+19 0.5	1.485	2.416	10.2	19.6
3 12	9 11.58	+19 43.4	1.538	2.404	14.5	19.9
3 22	9 7.79	+20 9.3	1.610	2.392	18.1	20.1

123374 2000 WE_{44} 2 11.3 3°.01 7°.1/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.83	+28 23.0	1.424	2.305	13.8	18.7
1 22	9 53.78	+29 48.7	1.374	2.304	10.3	18.5
2 1	9 46.04	+31 9.1	1.347	2.304	7.6	18.3
2 11	9 36.78	+32 12.7	1.346	2.305	7.5	18.3
2 21	9 27.45	+32 51.3	1.370	2.307	10.2	18.5
3 2	9 19.57	+33 1.3	1.418	2.310	13.7	18.7
3 12	9 14.32	+32 44.1	1.486	2.313	17.1	18.9
3 22	9 12.23	+32 4.2	1.571	2.318	19.9	19.1

128790 2004 RP_{216} 2 11.3 215°.87 4°.0/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.78	+ 1 29.7	2.225	3.032	12.4	20.2
1 22	9 53.62	+ 1 14.2	2.139	3.027	9.6	20.0
2 1	9 45.72	+ 1 13.3	2.078	3.021	6.5	19.8
2 11	9 36.78	+ 1 25.9	2.045	3.015	4.2	19.6
2 21	9 27.65	+ 1 49.7	2.041	3.008	4.8	19.7
3 2	9 19.24	+ 2 20.7	2.067	3.001	7.6	19.8
3 12	9 12.38	+ 2 54.6	2.119	2.994	10.7	20.0
3 22	9 7.59	+ 3 27.1	2.194	2.986	13.6	20.2

272613 2005 WM_{22} 2 11.3 122°.32 1°.1/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.98	+15 45.2	2.333	3.181	10.5	22.3
1 22	9 54.23	+16 26.1	2.278	3.201	7.2	22.1
2 1	9 45.91	+17 11.4	2.250	3.220	3.7	21.9
2 11	9 36.78	+17 56.2	2.254	3.239	1.1	21.8
2 21	9 27.70	+18 36.0	2.288	3.257	4.1	22.0
3 2	9 19.54	+19 7.2	2.351	3.274	7.5	22.3
3 12	9 12.99	+19 27.9	2.442	3.291	10.5	22.5
3 22	9 8.48	+19 37.8	2.555	3.307	12.9	22.7

125563 2001 XH_{15} 2 11.3 42°.64 1°.6/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 3.63	+16 45.9	1.248	2.121	16.0	19.1
1 22	9 57.10	+17 6.2	1.196	2.130	11.1	18.8
2 1	9 47.73	+17 33.0	1.166	2.139	5.8	18.5
2 11	9 36.84	+17 58.9	1.162	2.148	1.7	18.3
2 21	9 26.02	+18 17.2	1.185	2.158	6.3	18.6
3 2	9 16.88	+18 23.3	1.232	2.168	11.4	18.9
3 12	9 10.60	+18 15.7	1.302	2.179	15.9	19.2
3 22	9 7.69	+17 55.1	1.390	2.190	19.6	19.5

55840 1996 NB_2 2 11.3 62°.27 2°.9/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.03	+ 7 3.5	1.609	2.449	14.8	18.2
1 22	9 56.09	+ 6 42.6	1.555	2.467	10.9	18.0
2 1	9 47.01	+ 6 35.5	1.525	2.485	6.5	17.8
2 11	9 36.82	+ 6 39.7	1.523	2.504	3.0	17.6
2 21	9 26.74	+ 6 51.6	1.548	2.523	4.8	17.8
3 2	9 17.97	+ 7 6.7	1.601	2.542	8.9	18.0
3 12	9 11.43	+ 7 20.8	1.679	2.561	12.7	18.3
3 22	9 7.58	+ 7 30.8	1.778	2.580	15.9	18.6

121647 1999 WF_{10} 2 11.3 88°.32 4°.0/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.07	+24 4.5	1.932	2.798	11.5	20.0
1 22	9 54.73	+24 52.2	1.871	2.800	8.2	19.8
2 1	9 46.34	+25 38.4	1.837	2.801	5.1	19.6
2 11	9 36.80	+26 16.2	1.830	2.803	4.2	19.5
2 21	9 27.24	+26 40.2	1.852	2.805	6.7	19.7
3 2	9 18.76	+26 47.6	1.901	2.806	10.0	19.9
3 12	9 12.29	+26 38.1	1.975	2.808	13.2	20.1
3 22	9 8.34	+26 13.6	2.068	2.810	15.9	20.3

359649 2011 SN_3 2 11.3 115°.00 1°.7/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.68	+ 8 58.8	1.576	2.421	14.8	21.0
1 22	9 56.70	+ 9 4.0	1.515	2.432	10.7	20.8
2 1	9 47.41	+ 9 22.4	1.478	2.443	6.0	20.6
2 11	9 36.85	+ 9 49.7	1.469	2.454	1.8	20.3
2 21	9 26.29	+10 20.9	1.488	2.464	4.7	20.5
3 2	9 17.02	+10 50.5	1.534	2.474	9.3	20.8
3 12	9 10.05	+11 14.2	1.606	2.483	13.4	21.1
3 22	9 5.92	+11 29.5	1.697	2.493	16.8	21.3

362146 2009 DH_{99} 2 11.3 355°.95 2°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.24	+16 53.6	1.249	2.129	15.5	20.6
1 22	9 54.20	+17 42.6	1.188	2.126	10.8	20.3
2 1	9 46.35	+18 40.5	1.150	2.123	5.7	20.0
2 11	9 36.83	+19 38.1	1.137	2.122	2.5	19.8
2 21	9 27.15	+20 26.4	1.150	2.121	6.8	20.0
3 2	9 18.91	+20 58.5	1.187	2.121	12.0	20.3
3 12	9 13.37	+21 11.6	1.245	2.122	16.6	20.6
3 22	9 11.16	+21 5.9	1.322	2.123	20.4	20.9

378340 2007 HV_{42} 2 11.3 206°.30 0°.3/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.22	+13 12.7	2.580	3.424	9.8	22.1
1 22	9 52.38	+13 51.9	2.498	3.418	6.8	21.9
2 1	9 45.03	+14 37.9	2.443	3.412	3.5	21.6
2 11	9 36.79	+15 26.7	2.418	3.405	0.3	21.4
2 21	9 28.41	+16 13.9	2.425	3.397	3.6	21.6
3 2	9 20.66	+16 55.6	2.461	3.389	6.9	21.8
3 12	9 14.25	+17 28.8	2.525	3.380	9.9	22.0
3 22	9 9.66	+17 52.2	2.613	3.371	12.5	22.2

366843 2005 QO_{90} 2 11.3 215°.19 0°.3/11.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.65	+11 7.9	2.171	3.013	11.4	22.5
1 22	9 53.61	+11 42.8	2.087	3.006	8.1	22.3
2 1	9 45.76	+12 27.4	2.031	2.998	4.3	22.0
2 11	9 36.82	+13 17.5	2.003	2.990	0.4	21.7
2 21	9 27.67	+14 7.9	2.006	2.981	3.9	21.9
3 2	9 19.29	+14 53.8	2.039	2.971	7.8	22.2
3 12	9 12.51	+15 31.4	2.097	2.961	11.3	22.4
3 22	9 7.89	+15 58.5	2.179	2.951	14.3	22.5

165945 2001 UQ_{169} 2 11.3 339°.71 9°.8/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.30	+41 4.6	1.887	2.733	12.7	19.2
1 22	9 57.39	+42 11.7	1.836	2.725	10.8	19.1
2 1	9 47.86	+43 2.1	1.808	2.718	9.8	19.0
2 11	9 36.88	+43 26.9	1.805	2.711	10.2	19.0
2 21	9 25.92	+43 21.1	1.828	2.704	11.8	19.1
3 2	9 16.45	+42 44.7	1.873	2.698	14.0	19.2
3 12	9 9.59	+41 41.7	1.939	2.693	16.3	19.4
3 22	9 5.86	+40 18.3	2.021	2.688	18.3	19.5

13740 Lastrucci 2 11.3 73°.01 0°.5/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.06	+14 15.9	1.583	2.439	14.2	17.5
1 22	9 57.42	+14 36.0	1.544	2.469	9.8	17.3
2 1	9 47.64	+15 3.1	1.529	2.499	5.0	17.1
2 11	9 36.87	+15 31.4	1.542	2.529	0.5	16.9
2 21	9 26.40	+15 55.6	1.584	2.558	4.9	17.3
3 2	9 17.43	+16 11.9	1.654	2.587	9.3	17.6
3 12	9 10.84	+16 18.1	1.749	2.616	13.0	17.9
3 22	9 7.03	+16 14.1	1.864	2.644	16.0	18.1

136783 1996 VR_{26} 2 11.3 143°.64 2°.9/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 55.54	+ 2 3.7	2.451	3.263	11.3	21.0
1 22	9 50.50	+ 2 26.8	2.374	3.267	8.5	20.8
2 1	9 44.04	+ 3 4.4	2.322	3.271	5.5	20.7
2 11	9 36.77	+ 3 54.1	2.299	3.274	3.1	20.5
2 21	9 29.40	+ 4 51.8	2.306	3.278	3.8	20.5
3 2	9 22.70	+ 5 52.9	2.342	3.281	6.6	20.7
3 12	9 17.32	+ 6 52.4	2.406	3.284	9.5	20.9
3 22	9 13.70	+ 7 46.5	2.494	3.287	12.1	21.1

83365 2001 SA_{2} 2 11.3 30°.75 5°.9/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.07	+31 28.9	2.087	2.945	11.1	19.0
1 22	9 56.03	+32 7.8	2.032	2.949	8.4	18.9
2 1	9 46.98	+32 38.2	2.004	2.952	6.3	18.7
2 11	9 36.87	+32 53.7	2.004	2.956	6.1	18.7
2 21	9 26.84	+32 50.4	2.031	2.960	8.0	18.9
3 2	9 18.01	+32 27.2	2.085	2.964	10.6	19.0
3 12	9 11.25	+31 46.1	2.163	2.968	13.2	19.2
3 22	9 7.04	+30 50.6	2.261	2.972	15.5	19.4

168988 2001 CF_{25} 2 11.3 346°.64 1°.7/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.19	+15 57.0	1.266	2.144	15.5	19.5
1 22	9 54.18	+16 34.3	1.201	2.138	10.8	19.2
2 1	9 46.36	+17 21.1	1.159	2.132	5.6	18.9
2 11	9 36.85	+18 9.6	1.142	2.127	1.8	18.6
2 21	9 27.14	+18 51.2	1.150	2.123	6.4	18.9
3 2	9 18.81	+19 19.5	1.183	2.120	11.7	19.2
3 12	9 13.14	+19 31.0	1.238	2.118	16.4	19.5
3 22	9 10.77	+19 25.5	1.310	2.116	20.3	19.7

348150 2004 DP_{57} 2 11.3 335°.62 0°.1/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 53.30	+12 53.0	2.958	3.805	8.5	20.4
1 22	9 48.80	+13 25.6	2.881	3.802	6.0	20.3
2 1	9 43.11	+14 4.2	2.831	3.800	3.1	20.1
2 11	9 36.75	+14 45.4	2.810	3.797	0.1	19.8
2 21	9 30.32	+15 25.9	2.821	3.795	3.0	20.1
3 2	9 24.41	+16 2.4	2.861	3.792	5.9	20.2
3 12	9 19.59	+16 32.4	2.929	3.790	8.5	20.4
3 22	9 16.24	+16 54.3	3.020	3.788	10.8	20.6

166578 2002 RR_{134} 2 11.3 156°.81 2°.2/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.35	+18 28.4	2.392	3.251	9.9	20.2
1 22	9 51.86	+19 35.0	2.327	3.255	6.8	20.0
2 1	9 44.79	+20 45.2	2.289	3.259	3.7	19.8
2 11	9 36.81	+21 53.4	2.281	3.262	2.3	19.7
2 21	9 28.75	+22 53.9	2.304	3.265	4.8	19.9
3 2	9 21.43	+23 42.6	2.356	3.268	8.0	20.1
3 12	9 15.59	+24 17.2	2.434	3.271	10.9	20.3
3 22	9 11.70	+24 37.4	2.533	3.273	13.3	20.5

463870 2014 UK_{41} 2 11.3 294°.85 2°.2/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.32	+18 8.7	1.752	2.617	12.5	21.0
1 22	9 54.38	+18 52.0	1.684	2.614	8.7	20.7
2 1	9 46.26	+19 40.1	1.641	2.612	4.6	20.5
2 11	9 36.87	+20 26.2	1.627	2.610	2.3	20.3
2 21	9 27.35	+21 4.2	1.641	2.608	5.7	20.5
3 2	9 18.91	+21 29.3	1.682	2.606	9.8	20.7
3 12	9 12.53	+21 39.5	1.747	2.604	13.5	21.0
3 22	9 8.79	+21 35.1	1.833	2.602	16.7	21.2

472588 2015 DL_{122} 2 11.3 349°.58 4°.7/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.95	+25 39.1	2.047	2.915	10.8	20.3
1 22	9 52.57	+26 53.9	1.986	2.914	7.8	20.1
2 1	9 45.26	+28 7.1	1.952	2.913	5.3	19.9
2 11	9 36.84	+29 10.9	1.947	2.911	5.0	19.9
2 21	9 28.30	+29 59.2	1.969	2.911	7.3	20.0
3 2	9 20.70	+30 28.3	2.019	2.910	10.3	20.2
3 12	9 14.93	+30 37.6	2.092	2.909	13.2	20.4
3 22	9 11.52	+30 28.7	2.185	2.909	15.6	20.6

279329 2009 XC_{19} 2 11.3 356°.44 2°.5/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.21	+18 1.7	1.911	2.777	11.6	20.7
1 22	9 52.09	+19 13.1	1.845	2.777	8.0	20.5
2 1	9 45.03	+20 30.1	1.805	2.776	4.3	20.3
2 11	9 36.83	+21 45.3	1.794	2.776	2.6	20.2
2 21	9 28.50	+22 51.7	1.812	2.776	5.7	20.4
3 2	9 21.08	+23 43.8	1.858	2.776	9.4	20.6
3 12	9 15.48	+24 18.8	1.928	2.776	12.9	20.8
3 22	9 12.23	+24 36.4	2.018	2.776	15.7	21.0

39983 1998 HX_{16} 2 11.3 18°.51 4°.7/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.32	+ 2 20.5	1.380	2.218	16.9	18.6
1 22	9 53.99	+ 2 12.1	1.314	2.220	12.9	18.4
2 1	9 46.16	+ 2 26.2	1.269	2.222	8.5	18.1
2 11	9 36.87	+ 3 0.5	1.249	2.225	5.0	17.9
2 21	9 27.42	+ 3 49.8	1.255	2.229	6.0	18.0
3 2	9 19.20	+ 4 46.6	1.287	2.232	10.1	18.2
3 12	9 13.34	+ 5 42.8	1.342	2.236	14.4	18.5
3 22	9 10.47	+ 6 32.1	1.417	2.241	18.1	18.7

16375 1981 EM_{10} 2 11.3 138°.66 0°.9/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 58.81	+16 19.2	2.512	3.363	9.7	18.5
1 22	9 52.74	+16 38.2	2.444	3.368	6.8	18.3
2 1	9 45.19	+17 0.7	2.403	3.373	3.5	18.1
2 11	9 36.84	+17 23.1	2.392	3.377	0.9	17.9
2 21	9 28.46	+17 42.0	2.411	3.382	3.8	18.1
3 2	9 20.85	+17 54.5	2.460	3.386	7.0	18.3
3 12	9 14.69	+17 59.0	2.536	3.391	9.9	18.5
3 22	9 10.39	+17 55.1	2.635	3.395	12.4	18.7

229112 2004 RV_{75} 2 11.3 126°.80 3°.3/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.74	+22 49.1	2.173	3.032	10.7	21.1
1 22	9 54.96	+23 34.2	2.118	3.044	7.5	20.9
2 1	9 46.40	+24 18.4	2.089	3.055	4.4	20.7
2 11	9 36.88	+24 55.7	2.091	3.066	3.4	20.7
2 21	9 27.40	+25 21.6	2.122	3.076	5.8	20.8
3 2	9 18.94	+25 33.3	2.181	3.086	8.9	21.0
3 12	9 12.30	+25 30.5	2.265	3.096	11.8	21.2
3 22	9 7.93	+25 14.5	2.371	3.106	14.3	21.4

80290 1999 XK_{53} 2 11.3 29°.40 5°.5/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.99	+21 43.9	1.057	1.947	16.8	18.6
1 22	9 55.72	+23 8.8	1.014	1.954	11.8	18.3
2 1	9 47.21	+24 36.3	0.992	1.962	7.0	18.1
2 11	9 36.91	+25 52.7	0.994	1.971	5.7	18.0
2 21	9 26.64	+26 46.4	1.021	1.981	9.5	18.3
3 2	9 18.27	+27 11.8	1.069	1.991	14.4	18.6
3 12	9 13.11	+27 9.1	1.138	2.002	18.7	18.8
3 22	9 11.67	+26 42.5	1.222	2.013	22.3	19.1

19058 1331 T_{-2} 2 11.3 159°.44 0°.7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.30	+10 25.5	2.075	2.918	11.8	19.2
1 22	9 53.35	+10 50.1	2.003	2.921	8.4	19.0
2 1	9 45.61	+11 24.6	1.957	2.924	4.6	18.8
2 11	9 36.86	+12 4.9	1.941	2.927	0.8	18.5
2 21	9 28.02	+12 46.3	1.954	2.929	3.8	18.7
3 2	9 20.05	+13 24.3	1.996	2.932	7.7	19.0
3 12	9 13.76	+13 55.1	2.064	2.934	11.2	19.2
3 22	9 9.66	+14 16.7	2.155	2.935	14.1	19.4

501440 2014 AW_{22} 2 11.3 100°.08 6°.1/16.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.46	− 4 53.8	2.358	3.130	12.9	21.1
1 22	9 53.31	− 5 39.7	2.280	3.134	10.5	20.9
2 1	9 45.55	− 6 8.8	2.225	3.137	8.1	20.8
2 11	9 36.86	− 6 20.2	2.198	3.141	6.4	20.7
2 21	9 28.04	− 6 14.9	2.199	3.144	6.4	20.7
3 2	9 19.94	− 5 56.0	2.229	3.147	8.1	20.8
3 12	9 13.30	− 5 27.8	2.285	3.151	10.4	21.0
3 22	9 8.61	− 4 55.3	2.364	3.154	12.8	21.1

288535 2004 GJ_{13} 2 11.3 269°.11 4°.1/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.94	+27 14.1	2.435	3.292	9.8	20.8
1 22	9 55.15	+27 43.8	2.356	3.277	7.2	20.6
2 1	9 46.55	+28 9.4	2.304	3.262	4.8	20.4
2 11	9 36.90	+28 25.6	2.281	3.247	4.2	20.3
2 21	9 27.12	+28 28.7	2.288	3.232	6.2	20.4
3 2	9 18.19	+28 16.6	2.324	3.217	9.0	20.6
3 12	9 10.94	+27 49.8	2.385	3.202	11.8	20.7
3 22	9 5.88	+27 10.1	2.467	3.186	14.1	20.9

204178 2004 BO_{49} 2 11.3 269°.35 2°.1/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.43	+17 23.5	2.225	3.086	10.4	20.1
1 22	9 51.41	+18 35.7	2.147	3.076	7.2	19.9
2 1	9 44.65	+19 54.2	2.096	3.067	3.8	19.7
2 11	9 36.84	+21 12.4	2.075	3.057	2.2	19.6
2 21	9 28.81	+22 23.9	2.084	3.048	5.1	19.7
3 2	9 21.50	+23 23.5	2.122	3.038	8.5	19.9
3 12	9 15.72	+24 8.0	2.185	3.028	11.7	20.1
3 22	9 12.01	+24 36.5	2.270	3.018	14.4	20.3

503721 2016 JN_{30} 2 11.3 305°.73 3°.5/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.29	+ 2 46.1	1.779	2.608	14.1	20.8
1 22	9 51.61	+ 3 4.1	1.690	2.593	10.7	20.6
2 1	9 44.88	+ 3 41.6	1.625	2.578	6.9	20.3
2 11	9 36.85	+ 4 36.2	1.586	2.564	3.7	20.1
2 21	9 28.50	+ 5 42.7	1.575	2.549	4.8	20.1
3 2	9 20.95	+ 6 54.3	1.591	2.535	8.6	20.3
3 12	9 15.17	+ 8 3.9	1.633	2.521	12.6	20.5
3 22	9 11.83	+ 9 5.6	1.696	2.507	16.1	20.7

250237 2002 XW_{74} 2 11.3 67°.56 1°.2/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.11	+ 9 49.3	1.565	2.415	14.6	20.3
1 22	9 55.50	+10 4.2	1.517	2.438	10.4	20.1
2 1	9 46.74	+10 31.5	1.494	2.461	5.7	19.9
2 11	9 36.90	+11 6.1	1.498	2.483	1.3	19.6
2 21	9 27.22	+11 42.4	1.530	2.506	4.5	19.9
3 2	9 18.88	+12 15.0	1.589	2.529	9.0	20.2
3 12	9 12.80	+12 40.0	1.673	2.551	12.9	20.5
3 22	9 9.42	+12 55.4	1.777	2.574	16.1	20.8

33271 1998 HS_{101} 2 11.3 270°.65 0°.8/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 56.97	+11 48.6	1.989	2.841	11.8	18.6
1 22	9 52.00	+13 15.8	1.900	2.826	8.3	18.3
2 1	9 45.06	+14 56.9	1.839	2.810	4.3	18.0
2 11	9 36.86	+16 45.0	1.807	2.794	0.9	17.8
2 21	9 28.31	+18 31.5	1.806	2.777	4.7	18.0
3 2	9 20.47	+20 8.3	1.834	2.761	8.9	18.2
3 12	9 14.28	+21 29.6	1.888	2.744	12.7	18.4
3 22	9 10.38	+22 32.5	1.963	2.727	15.9	18.6

417051 2005 UB_{166} 2 11.3 101°.70 2°.2/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.31	+ 6 13.1	1.900	2.734	13.1	21.5
1 22	9 53.40	+ 6 31.1	1.836	2.746	9.6	21.3
2 1	9 45.64	+ 7 3.3	1.797	2.757	5.7	21.1
2 11	9 36.87	+ 7 45.9	1.785	2.768	2.3	20.9
2 21	9 28.07	+ 8 34.1	1.803	2.779	4.1	21.1
3 2	9 20.24	+ 9 22.3	1.849	2.790	7.9	21.3
3 12	9 14.22	+10 5.8	1.922	2.800	11.5	21.6
3 22	9 10.49	+10 41.1	2.016	2.810	14.5	21.8

489554 2007 RZ_{298} 2 11.3 209°.71 2°.5/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.22	+19 36.2	2.056	2.910	11.4	22.8
1 22	9 56.96	+20 19.8	1.977	2.903	8.0	22.6
2 1	9 47.59	+21 6.2	1.926	2.894	4.4	22.3
2 11	9 36.94	+21 49.1	1.904	2.885	2.5	22.2
2 21	9 26.10	+22 23.0	1.913	2.875	5.5	22.3
3 2	9 16.19	+22 43.9	1.950	2.864	9.3	22.6
3 12	9 8.19	+22 50.3	2.013	2.853	12.7	22.7
3 22	9 2.70	+22 43.0	2.098	2.840	15.6	22.9

10550 Malmö 2 11.3 284°.72 1°.3/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.81	+15 3.8	1.758	2.620	12.7	18.0
1 22	9 53.34	+15 56.3	1.687	2.616	8.8	17.7
2 1	9 45.74	+16 57.4	1.641	2.613	4.5	17.5
2 11	9 36.88	+18 0.5	1.624	2.609	1.4	17.2
2 21	9 27.84	+18 58.4	1.635	2.606	5.2	17.5
3 2	9 19.79	+19 45.4	1.673	2.602	9.5	17.7
3 12	9 13.72	+20 17.9	1.736	2.599	13.3	17.9
3 22	9 10.20	+20 34.9	1.820	2.596	16.5	18.2

457714 2009 FM_{45} 2 11.3 299°.48 0°.4/11.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.80	+11 27.4	1.472	2.333	14.7	21.6
1 22	9 54.45	+11 53.2	1.391	2.318	10.5	21.3
2 1	9 46.51	+12 32.5	1.333	2.303	5.7	21.0
2 11	9 36.91	+13 20.1	1.301	2.288	0.5	20.6
2 21	9 26.93	+14 8.8	1.297	2.273	5.2	20.9
3 2	9 18.01	+14 52.0	1.318	2.259	10.4	21.1
3 12	9 11.39	+15 24.2	1.363	2.244	15.1	21.4
3 22	9 7.80	+15 42.9	1.427	2.230	19.0	21.6

258395 2001 XO_{94} 2 11.3 102°.93 4°.6/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.89	− 0 5.3	2.011	2.814	13.7	20.6
1 22	9 54.37	− 0 16.9	1.950	2.833	10.6	20.4
2 1	9 46.10	− 0 10.8	1.912	2.852	7.3	20.2
2 11	9 36.90	+ 0 11.3	1.903	2.870	4.8	20.1
2 21	9 27.71	+ 0 45.9	1.922	2.888	5.2	20.2
3 2	9 19.50	+ 1 28.3	1.970	2.905	7.9	20.3
3 12	9 13.05	+ 2 13.0	2.045	2.922	11.0	20.6
3 22	9 8.81	+ 2 55.2	2.142	2.938	13.7	20.8

430834 2005 JW_{93} 2 11.3 330°.51 19°.5/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.16	+44 49.2	0.874	1.753	20.6	19.8
1 22	9 59.53	+49 20.2	0.851	1.745	19.5	19.7
2 1	9 50.31	+53 15.5	0.849	1.737	20.2	19.7
2 11	9 37.05	+56 7.2	0.865	1.731	22.3	19.8
2 21	9 22.89	+57 41.2	0.897	1.725	25.1	20.0
3 2	9 11.65	+57 59.4	0.942	1.720	27.9	20.2
3 12	9 6.04	+57 15.4	0.995	1.715	30.4	20.4
3 22	9 6.69	+55 44.9	1.056	1.711	32.4	20.6

443878 2001 TB_{213} 2 11.3 90°.75 5°.5/15.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.98	− 1 27.0	1.539	2.349	16.9	21.9
1 22	9 56.14	− 1 27.0	1.488	2.375	13.1	21.7
2 1	9 47.11	− 1 2.6	1.459	2.400	9.0	21.5
2 11	9 36.94	− 0 16.6	1.456	2.424	5.9	21.4
2 21	9 26.88	+ 0 45.4	1.481	2.448	6.2	21.5
3 2	9 18.16	+ 1 55.4	1.533	2.471	9.4	21.7
3 12	9 11.72	+ 3 5.4	1.610	2.494	13.0	22.0
3 22	9 8.04	+ 4 8.9	1.708	2.516	16.2	22.2

302031 2000 SK_{214} 2 11.3 142°.34 0°.2/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.88	+12 39.9	1.876	2.723	12.7	22.0
1 22	9 55.94	+13 16.5	1.813	2.735	8.9	21.8
2 1	9 46.99	+14 1.9	1.777	2.746	4.6	21.5
2 11	9 36.94	+14 50.6	1.770	2.757	0.2	21.2
2 21	9 26.86	+15 36.8	1.793	2.767	4.4	21.6
3 2	9 17.87	+16 15.5	1.844	2.776	8.6	21.8
3 12	9 10.86	+16 43.7	1.922	2.784	12.3	22.1
3 22	9 6.35	+17 0.0	2.020	2.791	15.3	22.3

104299 2000 EM_{173} 2 11.3 306°.35 9°.2/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 3.14	+34 27.9	1.554	2.422	13.7	19.1
1 22	9 57.00	+36 5.0	1.495	2.410	11.0	18.9
2 1	9 47.90	+37 31.5	1.461	2.398	9.3	18.7
2 11	9 36.98	+38 35.1	1.452	2.387	9.8	18.7
2 21	9 25.81	+39 7.6	1.468	2.376	12.1	18.8
3 2	9 16.10	+39 6.2	1.507	2.365	15.1	19.0
3 12	9 9.18	+38 33.6	1.566	2.354	18.1	19.2
3 22	9 5.73	+37 35.9	1.640	2.344	20.7	19.3

495401 2014 QO_{337} 2 11.3 104°.23 2°.2/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.54	+ 3 51.6	1.645	2.479	14.8	21.3
1 22	9 53.13	+ 4 58.0	1.580	2.490	10.9	21.1
2 1	9 45.63	+ 6 25.8	1.540	2.500	6.4	20.8
2 11	9 36.92	+ 8 8.4	1.527	2.511	2.4	20.6
2 21	9 28.12	+ 9 57.0	1.544	2.521	4.4	20.7
3 2	9 20.37	+11 41.9	1.588	2.530	8.8	21.0
3 12	9 14.65	+13 15.3	1.659	2.540	12.9	21.3
3 22	9 11.48	+14 32.3	1.751	2.549	16.2	21.5

299055 2005 CK_{8} 2 11.3 62°.64 0°.9/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.09	+14 34.2	1.357	2.224	15.4	19.9
1 22	9 56.49	+15 5.0	1.311	2.242	10.7	19.7
2 1	9 47.38	+15 44.6	1.288	2.260	5.5	19.5
2 11	9 36.98	+16 25.6	1.292	2.279	0.9	19.2
2 21	9 26.73	+17 1.2	1.323	2.297	5.6	19.6
3 2	9 18.06	+17 25.9	1.380	2.316	10.5	19.9
3 12	9 12.00	+17 37.4	1.461	2.335	14.7	20.2
3 22	9 9.01	+17 35.4	1.560	2.354	18.1	20.5

424126 2007 EY_{175} 2 11.3 198°.90 4°.4/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.98	− 3 43.1	2.666	3.442	11.4	21.9
1 22	9 51.50	− 3 29.8	2.575	3.439	9.1	21.7
2 1	9 44.61	− 2 59.5	2.509	3.434	6.6	21.6
2 11	9 36.89	− 2 13.5	2.472	3.429	4.7	21.4
2 21	9 29.01	− 1 14.6	2.464	3.423	4.7	21.4
3 2	9 21.70	− 0 7.4	2.486	3.417	6.7	21.5
3 12	9 15.61	+ 1 2.9	2.537	3.410	9.2	21.7
3 22	9 11.22	+ 2 11.4	2.612	3.402	11.7	21.9

415350 2013 JS_{36} 2 11.3 155°.32 6°.3/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.61	− 7 42.6	2.222	2.983	13.9	21.3
1 22	9 52.80	− 7 40.2	2.145	2.991	11.4	21.1
2 1	9 45.33	− 7 15.5	2.090	2.998	8.8	21.0
2 11	9 36.91	− 6 28.9	2.062	3.004	6.7	20.9
2 21	9 28.38	− 5 24.0	2.062	3.010	6.4	20.9
3 2	9 20.62	− 4 6.0	2.091	3.016	8.1	21.0
3 12	9 14.39	− 2 42.1	2.146	3.020	10.7	21.1
3 22	9 10.19	− 1 18.9	2.226	3.024	13.2	21.3

297894 2002 CH_{202} 2 11.3 25°.96 1°.6/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.56	+14 29.6	1.306	2.180	15.4	20.3
1 22	9 54.31	+15 30.2	1.249	2.183	10.7	20.1
2 1	9 46.40	+16 42.5	1.214	2.187	5.5	19.8
2 11	9 36.95	+17 57.5	1.205	2.191	1.6	19.5
2 21	9 27.39	+19 5.4	1.223	2.196	6.2	19.8
3 2	9 19.22	+19 58.4	1.266	2.201	11.3	20.1
3 12	9 13.62	+20 32.4	1.331	2.206	15.8	20.4
3 22	9 11.20	+20 47.0	1.415	2.212	19.5	20.7

31229 1998 BD_{46} 2 11.3 57°.37 1°.5/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.44	+ 6 15.9	1.593	2.440	14.6	18.4
1 22	9 52.33	+ 7 18.9	1.539	2.457	10.5	18.2
2 1	9 45.17	+ 8 40.1	1.510	2.475	5.9	17.9
2 11	9 36.91	+10 12.5	1.507	2.492	1.6	17.7
2 21	9 28.65	+11 47.3	1.533	2.510	4.4	17.9
3 2	9 21.53	+13 15.9	1.587	2.529	8.8	18.2
3 12	9 16.45	+14 31.8	1.666	2.547	12.8	18.5
3 22	9 13.90	+15 31.4	1.766	2.566	16.1	18.8

2830 Greenwich 2 11.3 320°.97 19°.1/21.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.90	+56 27.0	1.305	2.113	19.4	15.8
1 22	10 6.16	+58 55.8	1.269	2.092	19.1	15.7
2 1	9 53.61	+60 47.9	1.251	2.071	19.5	15.7
2 11	9 37.21	+61 46.4	1.250	2.051	20.7	15.7
2 21	9 20.40	+61 42.9	1.265	2.032	22.5	15.8
3 2	9 6.91	+60 39.8	1.294	2.013	24.4	15.9
3 12	8 59.10	+58 48.0	1.334	1.996	26.2	16.0
3 22	8 57.37	+56 20.5	1.383	1.980	27.9	16.1

239218 2006 QO_{169} 2 11.3 205°.46 3°.8/15.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.05	− 0 16.8	2.480	3.279	11.5	20.9
1 22	9 50.92	− 0 10.9	2.396	3.277	8.9	20.7
2 1	9 44.34	+ 0 10.5	2.336	3.275	6.2	20.5
2 11	9 36.90	+ 0 45.6	2.305	3.273	4.1	20.4
2 21	9 29.34	+ 1 31.6	2.303	3.270	4.4	20.4
3 2	9 22.39	+ 2 24.1	2.331	3.267	6.8	20.5
3 12	9 16.76	+ 3 18.3	2.386	3.264	9.6	20.7
3 22	9 12.88	+ 4 9.8	2.465	3.261	12.1	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
413938 2006 XS_{70}			2 11.3	92°.34	0°.2/11.2	18
	h m	° ′			°	m
1 12	9 59.48	+12 14.3	1.770	2.625	13.0	21.2
1 22	9 53.68	+12 59.1	1.710	2.635	9.1	21.0
2 1	9 45.87	+13 54.2	1.675	2.645	4.7	20.7
2 11	9 36.95	+14 53.5	1.668	2.654	0.3	20.4
2 21	9 28.00	+15 50.4	1.690	2.664	4.5	20.8
3 2	9 20.11	+16 39.3	1.739	2.674	8.8	21.0
3 12	9 14.18	+17 16.3	1.814	2.683	12.5	21.3
3 22	9 10.72	+17 39.9	1.910	2.692	15.6	21.5
372111 2008 SR_{132}			2 11.4	291°.28	17°.1/25.1	17
1 12	9 58.52	−23 27.2	1.180	1.896	26.0	20.8
1 22	9 54.07	−24 22.3	1.111	1.895	23.7	20.6
2 1	9 46.54	−24 26.4	1.054	1.893	21.1	20.4
2 11	9 36.98	−23 30.8	1.013	1.892	18.7	20.3
2 21	9 26.98	−21 34.0	0.991	1.891	17.2	20.2
3 2	9 18.30	−18 44.4	0.989	1.889	17.4	20.2
3 12	9 12.49	−15 20.4	1.007	1.888	19.2	20.3
3 22	9 10.36	−11 44.1	1.045	1.887	21.9	20.4
326357 2000 SH_{367}			2 11.4	188°.76	3°.5/14.1	16
1 12	10 0.60	+ 2 28.8	2.293	3.101	12.1	21.4
1 22	9 54.18	+ 2 16.8	2.211	3.100	9.2	21.2
2 1	9 46.07	+ 2 18.4	2.153	3.099	6.1	21.0
2 11	9 36.97	+ 2 32.2	2.125	3.098	3.7	20.8
2 21	9 27.73	+ 2 55.7	2.127	3.095	4.4	20.9
3 2	9 19.23	+ 3 25.1	2.158	3.093	7.3	21.1
3 12	9 12.25	+ 3 56.2	2.216	3.089	10.4	21.2
3 22	9 7.30	+ 4 25.4	2.298	3.086	13.2	21.4
209933 2006 BH_{150}			2 11.4	112°.97	7°.3/ 5.2	18
1 12	10 3.94	+21 22.6	1.170	2.051	16.2	19.7
1 22	9 57.91	+24 53.0	1.128	2.064	11.5	19.4
2 1	9 48.52	+28 29.1	1.112	2.075	7.8	19.3
2 11	9 37.06	+31 47.8	1.124	2.087	8.2	19.3
2 21	9 25.31	+34 29.8	1.164	2.098	12.0	19.6
3 2	9 15.25	+36 25.3	1.228	2.108	16.3	19.8
3 12	9 8.41	+37 34.7	1.312	2.118	20.1	20.1
3 22	9 5.48	+38 5.0	1.411	2.128	23.0	20.4
244123 2001 VE_{41}			2 11.4	82°.16	6°.3/17.2	18
1 12	9 57.07	− 7 17.2	2.399	3.160	13.0	20.0
1 22	9 51.62	− 7 44.3	2.327	3.170	10.7	19.8
2 1	9 44.69	− 7 52.3	2.277	3.181	8.4	19.7
2 11	9 36.93	− 7 40.9	2.255	3.191	6.7	19.6
2 21	9 29.09	− 7 12.2	2.260	3.201	6.5	19.6
3 2	9 21.97	− 6 29.9	2.293	3.211	7.9	19.7
3 12	9 16.24	− 5 39.3	2.352	3.221	10.0	19.8
3 22	9 12.35	− 4 45.7	2.435	3.231	12.3	20.0
241103 2007 HM_{36}			2 11.4	296°.30	2°.4/ 9.9	18
1 12	10 2.10	+17 22.3	1.320	2.194	15.2	21.2
1 22	9 56.34	+18 6.1	1.247	2.182	10.7	20.8
2 1	9 47.63	+18 58.1	1.197	2.169	5.7	20.5
2 11	9 37.04	+19 49.9	1.173	2.157	2.5	20.3
2 21	9 26.08	+20 32.6	1.175	2.145	6.9	20.5
3 2	9 16.44	+20 59.6	1.202	2.133	12.1	20.8
3 12	9 9.50	+21 8.0	1.251	2.122	16.9	21.0
3 22	9 6.01	+20 58.2	1.317	2.110	20.8	21.2
312507 2009 BB_{176}			2 11.4	249°.51	3°.6/ 8.7	18
1 12	10 1.22	+20 5.6	1.667	2.535	12.9	20.6
1 22	9 55.29	+21 19.0	1.594	2.526	9.1	20.3
2 1	9 46.92	+22 37.6	1.547	2.516	5.2	20.1
2 11	9 37.02	+23 52.3	1.527	2.505	3.7	20.0
2 21	9 26.83	+24 54.6	1.535	2.495	7.0	20.1
3 2	9 17.70	+25 38.4	1.571	2.484	11.2	20.3
3 12	9 10.78	+26 1.4	1.629	2.473	15.0	20.6
3 22	9 6.74	+26 4.5	1.707	2.462	18.3	20.8
309274 2007 RB_{133}			2 11.4	175°.99	2°.5/13.4	18
1 12	10 0.97	+ 4 32.6	2.093	2.914	12.6	21.9
1 22	9 54.55	+ 4 57.1	2.016	2.917	9.4	21.7
2 1	9 46.31	+ 5 36.7	1.964	2.919	5.7	21.4
2 11	9 37.00	+ 6 28.0	1.940	2.921	2.7	21.3
2 21	9 27.54	+ 7 26.0	1.947	2.922	4.0	21.3
3 2	9 18.93	+ 8 25.4	1.984	2.922	7.6	21.6
3 12	9 11.98	+ 9 20.8	2.048	2.921	11.1	21.8
3 22	9 7.25	+10 8.5	2.135	2.919	14.1	22.0
315558 2008 CA_{24}			2 11.4	27°.57	0°.5/11.1	18
1 12	10 0.62	+14 1.9	1.309	2.180	15.5	21.0
1 22	9 54.95	+14 20.7	1.256	2.188	10.9	20.8
2 1	9 46.69	+14 49.4	1.225	2.197	5.6	20.5
2 11	9 37.01	+15 21.6	1.220	2.207	0.5	20.1
2 21	9 27.37	+15 50.4	1.241	2.217	5.5	20.5
3 2	9 19.20	+16 10.6	1.288	2.228	10.6	20.9
3 12	9 13.62	+16 18.9	1.357	2.240	15.0	21.1
3 22	9 11.14	+16 14.5	1.445	2.253	18.6	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
246099 2007 EL_{96}			2 11.4	290°.66	1°.1/12.1	18
	h m	° ′			°	m
1 12	10 0.35	+ 9 5.3	1.357	2.216	15.9	21.2
1 22	9 54.92	+ 9 38.1	1.285	2.210	11.5	20.9
2 1	9 46.81	+10 28.7	1.236	2.204	6.4	20.6
2 11	9 37.03	+11 31.1	1.212	2.198	1.3	20.2
2 21	9 26.95	+12 37.2	1.214	2.192	5.2	20.5
3 2	9 18.08	+13 38.6	1.243	2.186	10.6	20.7
3 12	9 11.68	+14 28.6	1.295	2.180	15.4	21.0
3 22	9 8.46	+15 3.5	1.365	2.175	19.4	21.2
292505 2006 TJ_{17}			2 11.4	124°.18	0°.6/11.8	18
1 12	10 0.83	+10 9.9	1.959	2.801	12.4	21.5
1 22	9 54.45	+10 44.6	1.898	2.815	8.8	21.3
2 1	9 46.23	+11 30.0	1.862	2.829	4.7	21.1
2 11	9 37.01	+12 21.2	1.856	2.842	0.7	20.8
2 21	9 27.77	+13 12.7	1.879	2.855	4.0	21.1
3 2	9 19.54	+13 59.2	1.932	2.867	8.0	21.4
3 12	9 13.13	+14 37.0	2.010	2.879	11.5	21.6
3 22	9 9.02	+15 4.1	2.111	2.890	14.5	21.8
199958 2007 HT_{41}			2 11.4	201°.43	3°.7/14.5	17
1 12	9 57.80	+ 1 5.6	2.242	3.050	12.3	21.1
1 22	9 52.28	+ 1 12.1	2.159	3.047	9.5	20.9
2 1	9 45.11	+ 1 34.6	2.100	3.045	6.4	20.7
2 11	9 36.97	+ 2 11.2	2.070	3.042	3.9	20.6
2 21	9 28.67	+ 2 58.5	2.069	3.038	4.5	20.6
3 2	9 21.08	+ 3 51.6	2.097	3.035	7.3	20.8
3 12	9 14.97	+ 4 45.4	2.152	3.031	10.4	20.9
3 22	9 10.84	+ 5 35.4	2.231	3.027	13.2	21.1
426804 2013 TP_{136}			2 11.4	89°.57	2°.8/ 8.6	18
1 12	9 58.28	+19 40.1	2.177	3.039	10.6	21.0
1 22	9 52.59	+20 57.7	2.128	3.057	7.3	20.8
2 1	9 45.23	+22 17.5	2.107	3.075	4.1	20.6
2 11	9 36.97	+23 32.6	2.115	3.093	2.9	20.6
2 21	9 28.72	+24 37.1	2.153	3.111	5.5	20.8
3 2	9 21.38	+25 26.7	2.220	3.128	8.6	21.0
3 12	9 15.71	+25 59.7	2.312	3.145	11.5	21.2
3 22	9 12.14	+26 16.6	2.425	3.162	13.9	21.4
33197 Charlallen			2 11.4	282°.26	0°.8/10.6	18
1 12	9 56.69	+14 43.4	2.308	3.162	10.4	19.4
1 22	9 51.53	+15 21.8	2.226	3.151	7.2	19.2
2 1	9 44.74	+16 6.7	2.170	3.141	3.7	18.9
2 11	9 36.97	+16 53.7	2.144	3.131	0.8	18.7
2 21	9 29.02	+17 38.0	2.148	3.120	4.0	18.9
3 2	9 21.77	+18 15.3	2.181	3.110	7.6	19.1
3 12	9 15.98	+18 42.8	2.240	3.100	10.9	19.3
3 22	9 12.16	+18 59.1	2.321	3.089	13.6	19.5
112415 2002 NW_{42}			2 11.4	135°.67	2°.1/ 9.7	18
1 12	9 59.73	+19 2.6	2.176	3.034	10.7	19.9
1 22	9 53.64	+19 39.4	2.111	3.038	7.4	19.7
2 1	9 45.81	+20 18.7	2.073	3.042	4.0	19.5
2 11	9 37.01	+20 55.2	2.064	3.046	2.1	19.3
2 21	9 28.16	+21 24.4	2.085	3.050	4.9	19.5
3 2	9 20.22	+21 42.8	2.134	3.053	8.3	19.7
3 12	9 13.97	+21 49.1	2.209	3.057	11.5	20.0
3 22	9 9.89	+21 43.3	2.306	3.060	14.1	20.1
375390 2008 SU_{220}			2 11.4	121°.29	0°.3/11.1	18
1 12	9 59.00	+13 21.9	2.149	2.999	11.2	21.8
1 22	9 53.11	+13 51.3	2.083	3.006	7.8	21.6
2 1	9 45.53	+14 27.8	2.043	3.013	4.1	21.4
2 11	9 37.00	+15 7.0	2.033	3.019	0.3	21.1
2 21	9 28.44	+15 44.2	2.052	3.026	3.9	21.4
3 2	9 20.74	+16 15.3	2.100	3.032	7.7	21.7
3 12	9 14.68	+16 37.7	2.175	3.038	11.0	21.9
3 22	9 10.74	+16 49.9	2.272	3.044	13.7	22.1
66803 1999 TD_{273}			2 11.4	74°.83	15°.8/26.2	18
1 12	10 5.33	−31 50.5	2.118	2.683	19.4	17.7
1 22	9 58.04	−34 2.6	2.060	2.697	18.3	17.6
2 1	9 48.35	−35 41.6	2.019	2.712	17.2	17.5
2 11	9 37.11	−36 41.1	1.995	2.726	16.3	17.5
2 21	9 25.48	−36 58.7	1.991	2.740	15.9	17.4
3 2	9 14.77	−36 36.2	2.005	2.755	15.9	17.5
3 12	9 6.11	−35 40.4	2.038	2.769	16.3	17.5
3 22	9 0.22	−34 20.8	2.087	2.783	17.0	17.6
433092 2012 TR_{87}			2 11.4	224°.64	0°.5/11.8	17
1 12	9 57.13	+10 46.7	2.479	3.320	10.2	21.9
1 22	9 51.72	+11 14.1	2.396	3.314	7.3	21.7
2 1	9 44.80	+11 50.0	2.341	3.307	3.9	21.5
2 11	9 36.99	+12 30.9	2.314	3.301	0.6	21.2
2 21	9 29.03	+13 12.7	2.319	3.294	3.4	21.4
3 2	9 21.73	+13 51.4	2.353	3.287	6.8	21.7
3 12	9 15.77	+14 23.9	2.413	3.280	9.9	21.8
3 22	9 11.65	+14 48.1	2.498	3.272	12.6	22.0

102448 1999 TS_{216} 2 11.4 198°.63 0°.3/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 1.87	+11 36.9	2.064	2.906	11.9	21.2
1 22	9 55.27	+12 4.4	1.985	2.903	8.4	21.0
2 1	9 46.74	+12 41.0	1.932	2.899	4.5	20.7
2 11	9 37.06	+13 22.5	1.908	2.894	0.4	20.4
2 21	9 27.20	+14 3.9	1.914	2.889	4.0	20.7
3 2	9 18.20	+14 40.5	1.950	2.883	8.1	20.9
3 12	9 10.96	+15 8.9	2.012	2.876	11.7	21.1
3 22	9 6.03	+15 27.3	2.097	2.869	14.8	21.3

47017 1998 VE_{4} 2 11.4 83°.59 2°.3/13.1 18 R

1 12	9 59.99	+ 6 0.9	1.684	2.522	14.3	18.0
1 22	9 54.08	+ 6 21.5	1.624	2.536	10.5	17.8
2 1	9 46.11	+ 6 58.1	1.589	2.549	6.2	17.6
2 11	9 37.03	+ 7 46.6	1.580	2.563	2.5	17.4
2 21	9 27.94	+ 8 41.0	1.600	2.577	4.4	17.6
3 2	9 19.97	+ 9 35.1	1.648	2.590	8.6	17.8
3 12	9 14.02	+10 23.2	1.721	2.603	12.4	18.1
3 22	9 10.60	+11 1.7	1.816	2.616	15.6	18.3

201076 2002 FX_{10} 2 11.4 26°.10 0°.4/11.1 18

1 12	10 0.55	+13 23.3	1.170	2.046	16.7	20.1
1 22	9 55.13	+13 49.0	1.118	2.053	11.7	19.8
2 1	9 46.88	+14 26.8	1.088	2.060	6.1	19.5
2 11	9 37.06	+15 9.4	1.083	2.069	0.4	19.1
2 21	9 27.24	+15 48.8	1.102	2.079	5.9	19.6
3 2	9 19.03	+16 18.2	1.146	2.089	11.3	19.9
3 12	9 13.63	+16 33.8	1.212	2.100	16.1	20.2
3 22	9 11.57	+16 34.6	1.296	2.112	19.9	20.5

219552 2001 RY_{107} 2 11.4 218°.70 0°.4/11.7 16

1 12	9 59.62	+10 30.0	2.106	2.948	11.7	21.8
1 22	9 53.71	+11 6.6	2.022	2.940	8.3	21.5
2 1	9 45.93	+11 54.1	1.965	2.932	4.5	21.3
2 11	9 37.03	+12 47.9	1.937	2.924	0.5	21.0
2 21	9 27.91	+13 42.6	1.939	2.915	3.9	21.2
3 2	9 19.56	+14 33.1	1.971	2.905	7.9	21.4
3 12	9 12.85	+15 15.2	2.029	2.895	11.5	21.7
3 22	9 8.35	+15 46.5	2.109	2.884	14.6	21.8

351679 2006 BK_{20} 2 11.4 44°.19 1°.1/10.7 18

1 12	10 0.74	+13 45.0	1.239	2.112	16.1	20.8
1 22	9 55.19	+14 36.1	1.186	2.120	11.2	20.5
2 1	9 46.90	+15 39.5	1.156	2.129	5.8	20.2
2 11	9 37.06	+16 46.3	1.152	2.138	1.1	19.9
2 21	9 27.20	+17 47.1	1.173	2.148	6.1	20.3
3 2	9 18.87	+18 34.3	1.220	2.158	11.3	20.6
3 12	9 13.25	+19 3.9	1.289	2.168	15.9	20.9
3 22	9 10.89	+19 15.3	1.376	2.179	19.6	21.2

297023 2010 GY_{31} 2 11.4 236°.82 1°.5/10.2 18

1 12	10 1.89	+15 24.3	1.798	2.655	12.7	21.5
1 22	9 55.64	+16 19.3	1.715	2.642	8.9	21.3
2 1	9 47.09	+17 23.3	1.658	2.628	4.6	21.0
2 11	9 37.07	+18 29.4	1.629	2.614	1.6	20.8
2 21	9 26.72	+19 30.2	1.630	2.600	5.4	21.0
3 2	9 17.28	+20 19.6	1.659	2.584	9.8	21.2
3 12	9 9.85	+20 53.8	1.712	2.568	13.8	21.4
3 22	9 5.11	+21 11.9	1.786	2.552	17.2	21.6

341588 2007 UB_{89} 2 11.4 14°.72 2°.8/ 9.1 17

1 12	9 58.15	+20 28.4	1.984	2.850	11.2	20.8
1 22	9 52.70	+21 13.2	1.921	2.852	7.8	20.5
2 1	9 45.37	+21 59.8	1.885	2.854	4.4	20.3
2 11	9 37.01	+22 42.3	1.877	2.857	2.9	20.2
2 21	9 28.59	+23 15.3	1.898	2.860	5.6	20.4
3 2	9 21.13	+23 35.1	1.946	2.863	9.1	20.6
3 12	9 15.48	+23 40.4	2.019	2.866	12.4	20.9
3 22	9 12.12	+23 31.7	2.112	2.870	15.1	21.0

495002 2010 JA_{78} 2 11.4 260°.85 1°.9/10.1 17

1 12	10 2.16	+16 13.8	1.654	2.516	13.3	22.3
1 22	9 56.05	+17 5.2	1.568	2.498	9.4	22.0
2 1	9 47.40	+18 5.6	1.508	2.479	4.9	21.7
2 11	9 37.09	+19 7.7	1.475	2.460	1.9	21.4
2 21	9 26.35	+20 3.6	1.471	2.440	5.9	21.6
3 2	9 16.57	+20 46.8	1.493	2.420	10.6	21.9
3 12	9 8.96	+21 13.6	1.540	2.399	14.9	22.1
3 22	9 4.29	+21 23.3	1.607	2.378	18.6	22.3

341346 2007 TN_{47} 2 11.4 64°.27 3°.9/14.8 18

1 12	9 56.56	+ 0 33.6	2.158	2.968	12.7	20.8
1 22	9 51.40	+ 0 37.2	2.086	2.975	9.7	20.6
2 1	9 44.65	+ 0 57.5	2.038	2.981	6.6	20.4
2 11	9 36.99	+ 1 32.6	2.018	2.988	4.2	20.3
2 21	9 29.24	+ 2 18.7	2.026	2.995	4.6	20.3
3 2	9 22.28	+ 3 11.1	2.063	3.002	7.3	20.5
3 12	9 16.83	+ 4 4.2	2.127	3.009	10.4	20.7
3 22	9 13.36	+ 4 53.7	2.213	3.016	13.1	20.9

298788 2004 PO_{87} 2 11.4 193°.34 3°.0/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 5.63	+21 15.3	1.988	2.843	11.7	21.9
1 22	9 58.01	+21 59.1	1.916	2.841	8.3	21.7
2 1	9 48.20	+22 44.0	1.871	2.838	4.7	21.4
2 11	9 37.12	+23 23.1	1.856	2.834	3.1	21.3
2 21	9 25.90	+23 51.0	1.870	2.830	6.0	21.5
3 2	9 15.75	+24 4.1	1.914	2.824	9.7	21.7
3 12	9 7.64	+24 1.8	1.983	2.818	13.1	21.9
3 22	9 2.15	+23 45.4	2.072	2.811	15.9	22.1

400285 2007 SO_{20} 2 11.4 113°.59 0°.3/11.6 18

1 12	10 2.25	+11 2.9	1.808	2.654	13.1	22.2
1 22	9 55.53	+11 41.4	1.752	2.672	9.2	22.0
2 1	9 46.82	+12 30.4	1.722	2.690	4.9	21.7
2 11	9 37.06	+13 24.3	1.721	2.707	0.4	21.4
2 21	9 27.35	+14 16.9	1.749	2.724	4.3	21.8
3 2	9 18.78	+15 2.9	1.806	2.740	8.5	22.1
3 12	9 12.21	+15 38.5	1.888	2.756	12.2	22.3
3 22	9 8.14	+16 2.2	1.992	2.771	15.2	22.6

317133 2001 UX_{68} 2 11.4 215°.12 3°.5/14.8 18

1 12	9 55.57	+ 0 38.7	2.378	3.185	11.7	20.8
1 22	9 50.66	+ 0 55.5	2.296	3.184	9.0	20.6
2 1	9 44.25	+ 1 28.1	2.238	3.182	6.1	20.4
2 11	9 36.98	+ 2 14.5	2.209	3.181	3.7	20.3
2 21	9 29.57	+ 3 11.0	2.209	3.179	4.2	20.3
3 2	9 22.81	+ 4 12.7	2.238	3.177	6.8	20.5
3 12	9 17.40	+ 5 14.4	2.295	3.175	9.8	20.7
3 22	9 13.80	+ 6 11.7	2.375	3.174	12.5	20.8

466170 2012 JD_{27} 2 11.4 282°.78 1°.8/ 9.9 17

1 12	9 58.14	+15 47.6	1.810	2.673	12.3	21.3
1 22	9 52.96	+16 53.0	1.732	2.662	8.6	21.0
2 1	9 45.66	+18 7.4	1.680	2.651	4.5	20.7
2 11	9 37.03	+19 23.5	1.656	2.640	1.9	20.5
2 21	9 28.14	+20 33.8	1.661	2.630	5.5	20.7
3 2	9 20.13	+21 31.7	1.694	2.619	9.7	21.0
3 12	9 14.02	+22 13.3	1.751	2.608	13.5	21.2
3 22	9 10.42	+22 37.5	1.828	2.597	16.7	21.4

172528 2003 TL_{13} 2 11.4 54°.39 4°.7/15.5 18

1 12	9 57.40	− 3 8.4	1.371	2.190	18.1	19.2
1 22	9 52.52	− 1 55.2	1.319	2.212	13.9	19.0
2 1	9 45.38	− 0 9.8	1.289	2.235	9.3	18.8
2 11	9 37.02	+ 2 1.0	1.284	2.258	5.4	18.7
2 21	9 28.71	+ 4 25.4	1.306	2.281	5.6	18.7
3 2	9 21.70	+ 6 49.9	1.357	2.304	9.4	19.0
3 12	9 16.97	+ 9 2.4	1.432	2.327	13.6	19.3
3 22	9 15.00	+10 55.3	1.530	2.351	17.1	19.6

87084 2000 KY_{76} 2 11.4 248°.16 7°.9/17.6 18

1 12	9 58.30	− 9 0.3	1.949	2.712	15.5	19.7
1 22	9 52.93	− 9 26.4	1.862	2.704	13.0	19.5
2 1	9 45.60	− 9 27.7	1.795	2.696	10.4	19.3
2 11	9 37.05	− 9 3.0	1.754	2.688	8.4	19.1
2 21	9 28.20	− 8 14.2	1.739	2.680	8.1	19.1
3 2	9 20.12	− 7 6.2	1.750	2.671	9.7	19.2
3 12	9 13.73	− 5 46.6	1.787	2.663	12.4	19.3
3 22	9 9.65	− 4 23.5	1.846	2.654	15.2	19.5

452249 2015 TH_{94} 2 11.4 133°.07 5°.9/ 7.6 18

1 12	10 7.84	+27 18.0	1.629	2.492	13.4	21.4
1 22	9 59.79	+28 24.0	1.581	2.505	9.8	21.2
2 1	9 49.17	+29 24.3	1.559	2.517	6.7	21.1
2 11	9 37.17	+30 9.3	1.564	2.528	6.1	21.1
2 21	9 25.29	+30 32.5	1.598	2.539	8.6	21.2
3 2	9 14.97	+30 31.8	1.657	2.549	12.1	21.5
3 12	9 7.30	+30 9.4	1.740	2.559	15.3	21.7
3 22	9 2.79	+29 29.3	1.841	2.567	18.0	21.9

404782 2014 JJ_{50} 2 11.4 290°.85 0°.6/11.8 18

1 12	10 0.15	+ 9 21.9	1.351	2.210	15.9	20.5
1 22	9 54.77	+10 12.9	1.283	2.209	11.4	20.3
2 1	9 46.74	+11 22.2	1.239	2.208	6.1	20.0
2 11	9 37.09	+12 42.6	1.220	2.206	0.8	19.6
2 21	9 27.21	+14 4.6	1.228	2.205	5.3	19.9
3 2	9 18.58	+15 18.8	1.263	2.204	10.7	20.2
3 12	9 12.43	+16 18.4	1.320	2.203	15.4	20.5
3 22	9 9.41	+17 0.2	1.397	2.201	19.3	20.7

135354 2001 TA_{77} 2 11.4 119°.24 0°.1/11.3 18 R

1 12	9 57.20	+12 35.2	2.615	3.459	9.6	20.3
1 22	9 51.61	+13 9.9	2.552	3.472	6.7	20.1
2 1	9 44.68	+13 51.0	2.516	3.485	3.5	20.0
2 11	9 37.02	+14 34.6	2.511	3.497	0.1	19.7
2 21	9 29.34	+15 16.8	2.536	3.510	3.3	20.0
3 2	9 22.37	+15 54.1	2.591	3.522	6.5	20.2
3 12	9 16.73	+16 23.8	2.674	3.533	9.3	20.4
3 22	9 12.81	+16 44.7	2.779	3.545	11.7	20.6

323883 2005 SG_{227} 2 11.4 286°.92 4°.5/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 2.05	+24 12.3	1.735	2.603	12.5	20.0
1 22	9 55.79	+25 4.2	1.666	2.595	8.9	19.8
2 1	9 47.15	+25 55.1	1.623	2.587	5.6	19.6
2 11	9 37.11	+26 37.1	1.607	2.580	4.7	19.5
2 21	9 26.90	+27 3.7	1.619	2.572	7.4	19.6
3 2	9 17.83	+27 11.1	1.657	2.564	11.1	19.8
3 12	9 11.00	+26 59.3	1.719	2.556	14.7	20.0
3 22	9 6.99	+26 30.4	1.800	2.549	17.6	20.2

133724 2003 US_{262} 2 11.4 147°.88 0°.3/11.1 18

1 12	9 58.70	+13 24.4	2.210	3.059	10.9	20.5
1 22	9 52.91	+13 53.7	2.140	3.063	7.7	20.3
2 1	9 45.45	+14 30.0	2.097	3.066	4.0	20.1
2 11	9 37.05	+15 8.9	2.083	3.069	0.3	19.8
2 21	9 28.58	+15 46.0	2.099	3.072	3.9	20.1
3 2	9 20.93	+16 17.3	2.144	3.075	7.5	20.3
3 12	9 14.86	+16 39.9	2.215	3.078	10.8	20.5
3 22	9 10.85	+16 52.7	2.308	3.080	13.6	20.7

23391 2065 $T\text{-}_3$ 2 11.4 175°.27 0°.5/11.1 18

1 12	10 4.84	+14 10.8	1.326	2.191	15.8	19.2
1 22	9 58.09	+14 28.5	1.262	2.191	11.2	18.9
2 1	9 48.47	+14 55.9	1.220	2.191	5.8	18.6
2 11	9 37.16	+15 26.6	1.205	2.192	0.5	18.2
2 21	9 25.71	+15 53.8	1.217	2.192	5.7	18.6
3 2	9 15.74	+16 12.0	1.254	2.192	11.1	18.9
3 12	9 8.51	+16 18.1	1.314	2.192	15.8	19.2
3 22	9 4.66	+16 11.5	1.393	2.191	19.7	19.4

491273 2011 UQ_{331} 2 11.4 98°.44 1°.1/10.7 18

1 12	10 4.00	+15 35.3	1.576	2.436	14.0	21.1
1 22	9 57.01	+16 2.6	1.521	2.449	9.7	20.9
2 1	9 47.69	+16 36.5	1.491	2.462	5.0	20.6
2 11	9 37.13	+17 10.6	1.488	2.474	1.1	20.4
2 21	9 26.63	+17 39.0	1.514	2.487	5.3	20.7
3 2	9 17.49	+17 57.4	1.567	2.499	9.8	21.0
3 12	9 10.71	+18 3.6	1.645	2.511	13.8	21.3
3 22	9 6.80	+17 57.6	1.742	2.523	17.0	21.5

84562 2002 VO_7 2 11.4 33°.24 1°.2/12.3 18

1 12	9 56.65	+ 8 43.6	1.618	2.472	14.0	18.7
1 22	9 51.75	+ 9 17.9	1.569	2.491	10.0	18.5
2 1	9 44.90	+10 6.1	1.544	2.511	5.5	18.3
2 11	9 37.03	+11 2.7	1.546	2.532	1.3	18.0
2 21	9 29.22	+12 1.0	1.575	2.553	4.3	18.3
3 2	9 22.56	+12 54.7	1.632	2.575	8.6	18.6
3 12	9 17.88	+13 38.9	1.713	2.597	12.4	18.9
3 22	9 15.62	+14 10.9	1.816	2.620	15.5	19.1

372652 2009 WF_{38} 2 11.4 187°.43 5°.3/ 5.9 18

1 12	10 2.01	+30 40.1	2.510	3.364	9.6	21.6
1 22	9 55.25	+31 50.9	2.449	3.363	7.3	21.4
2 1	9 46.69	+32 56.0	2.417	3.362	5.6	21.3
2 11	9 37.10	+33 48.7	2.414	3.360	5.6	21.3
2 21	9 27.41	+34 24.3	2.440	3.358	7.4	21.4
3 2	9 18.58	+34 40.5	2.494	3.355	9.7	21.5
3 12	9 11.43	+34 37.7	2.571	3.351	12.0	21.7
3 22	9 6.49	+34 18.2	2.669	3.347	14.0	21.9

341242 2007 RH_{178} 2 11.4 267°.42 5°.2/ 6.8 17

1 12	10 1.45	+28 46.4	2.233	3.093	10.4	21.3
1 22	9 55.09	+29 41.9	2.156	3.077	7.8	21.1
2 1	9 46.70	+30 33.2	2.107	3.060	5.6	20.9
2 11	9 37.11	+31 13.3	2.086	3.044	5.4	20.9
2 21	9 27.31	+31 37.0	2.094	3.027	7.4	20.9
3 2	9 18.39	+31 41.6	2.129	3.010	10.3	21.1
3 12	9 11.28	+31 27.2	2.188	2.993	13.1	21.2
3 22	9 6.57	+30 56.2	2.267	2.976	15.5	21.4

125653 2001 XX_{69} 2 11.4 99°.75 5°.6/ 7.5 18

1 12	10 2.66	+23 54.6	1.426	2.302	14.2	20.0
1 22	9 56.52	+25 25.0	1.373	2.306	10.1	19.8
2 1	9 47.64	+26 55.3	1.344	2.309	6.5	19.6
2 11	9 37.15	+28 14.1	1.342	2.312	5.9	19.5
2 21	9 26.57	+29 11.7	1.367	2.316	9.0	19.7
3 2	9 17.44	+29 43.2	1.416	2.319	13.0	19.9
3 12	9 10.97	+29 48.6	1.487	2.323	16.7	20.2
3 22	9 7.76	+29 31.3	1.576	2.326	19.7	20.4

250217 2002 VO_{79} 2 11.4 76°.08 0°.7/10.9 18

1 12	10 1.55	+13 25.2	1.626	2.484	13.7	20.5
1 22	9 55.16	+14 12.6	1.580	2.507	9.5	20.3
2 1	9 46.68	+15 8.8	1.559	2.530	4.9	20.1
2 11	9 37.12	+16 7.1	1.566	2.552	0.7	19.8
2 21	9 27.69	+17 0.3	1.601	2.575	4.9	20.2
3 2	9 19.54	+17 43.2	1.664	2.597	9.2	20.5
3 12	9 13.59	+18 12.7	1.751	2.619	13.0	20.8
3 22	9 10.26	+18 28.0	1.859	2.640	16.1	21.0

350635 2001 TB_{60} 2 11.4 98°.11 0°.6/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 4.24	+13 9.7	1.530	2.387	14.5	21.2
1 22	9 57.15	+13 54.1	1.483	2.408	10.1	21.0
2 1	9 47.75	+14 48.1	1.459	2.430	5.2	20.8
2 11	9 37.16	+15 44.6	1.464	2.450	0.6	20.5
2 21	9 26.70	+16 36.3	1.497	2.471	5.1	20.9
3 2	9 17.66	+17 17.4	1.558	2.491	9.7	21.2
3 12	9 11.03	+17 44.9	1.642	2.510	13.7	21.5
3 22	9 7.27	+17 58.1	1.747	2.528	16.9	21.7

86016 1999 JK_{100} 2 11.4 234°.47 2°.8/13.9 18

1 12	9 56.93	+ 2 29.8	2.021	2.841	13.0	19.3
1 22	9 51.89	+ 3 15.2	1.936	2.835	9.8	19.0
2 1	9 45.03	+ 4 19.6	1.876	2.829	6.1	18.8
2 11	9 37.07	+ 5 39.3	1.844	2.823	3.0	18.6
2 21	9 28.89	+ 7 8.3	1.841	2.816	4.1	18.6
3 2	9 21.44	+ 8 39.3	1.868	2.810	7.8	18.9
3 12	9 15.60	+10 5.3	1.922	2.803	11.4	19.1
3 22	9 11.91	+11 21.1	1.999	2.795	14.5	19.3

399752 2005 GH_{193} 2 11.4 106°.38 0°.4/11.6 18

1 12	10 2.34	+10 57.5	1.715	2.563	13.6	22.2
1 22	9 55.70	+11 33.0	1.660	2.581	9.6	22.0
2 1	9 46.97	+12 19.6	1.630	2.598	5.1	21.8
2 11	9 37.14	+13 11.6	1.629	2.615	0.5	21.4
2 21	9 27.36	+14 2.5	1.656	2.632	4.4	21.8
3 2	9 18.77	+14 46.9	1.712	2.648	8.8	22.1
3 12	9 12.29	+15 21.0	1.793	2.663	12.6	22.3
3 22	9 8.39	+15 43.0	1.895	2.678	15.7	22.6

239814 1997 WC_{12} 2 11.4 113°.76 2°.6/13.1 18

1 12	10 1.17	+ 5 38.3	1.558	2.398	15.2	20.6
1 22	9 55.12	+ 5 59.1	1.494	2.406	11.2	20.4
2 1	9 46.78	+ 6 37.8	1.454	2.414	6.7	20.1
2 11	9 37.14	+ 7 30.3	1.440	2.422	2.8	19.9
2 21	9 27.41	+ 8 29.9	1.453	2.430	4.8	20.0
3 2	9 18.86	+ 9 29.5	1.495	2.437	9.2	20.3
3 12	9 12.51	+10 22.7	1.561	2.444	13.3	20.6
3 22	9 8.92	+11 5.5	1.647	2.451	16.8	20.8

409978 2006 VB_{92} 2 11.4 80°.05 7°.1/16.0 18

1 12	10 1.81	− 4 7.5	1.704	2.497	16.2	20.4
1 22	9 55.39	− 4 51.2	1.641	2.510	13.1	20.2
2 1	9 46.87	− 5 12.1	1.599	2.522	9.8	20.1
2 11	9 37.15	− 5 9.5	1.583	2.535	7.5	20.0
2 21	9 27.36	− 4 46.0	1.594	2.547	7.5	20.0
3 2	9 18.68	− 4 6.4	1.632	2.560	9.7	20.1
3 12	9 12.04	− 3 18.0	1.694	2.572	12.8	20.3
3 22	9 7.98	− 2 27.8	1.778	2.585	15.7	20.6

49472 1999 AR_{30} 2 11.4 103°.99 0°.1/11.5 18

1 12	9 58.25	+12 3.6	2.248	3.094	10.9	19.4
1 22	9 52.53	+12 34.6	2.185	3.106	7.7	19.2
2 1	9 45.24	+13 13.4	2.149	3.117	4.0	19.0
2 11	9 37.09	+13 55.8	2.142	3.128	0.2	18.7
2 21	9 28.92	+14 37.1	2.165	3.139	3.6	19.0
3 2	9 21.58	+15 13.5	2.217	3.150	7.2	19.2
3 12	9 15.79	+15 41.8	2.296	3.161	10.4	19.5
3 22	9 11.98	+16 0.6	2.397	3.171	13.1	19.7

221334 2005 WX_2 2 11.4 215°.18 1°.6/10.2 17

1 12	10 3.11	+18 14.2	2.186	3.037	10.9	20.3
1 22	9 56.11	+18 35.8	2.106	3.031	7.7	20.1
2 1	9 47.20	+19 0.0	2.054	3.023	4.0	19.8
2 11	9 37.17	+19 22.3	2.031	3.015	1.6	19.6
2 21	9 26.99	+19 38.4	2.039	3.007	4.7	19.8
3 2	9 17.69	+19 45.2	2.076	2.998	8.4	20.0
3 12	9 10.15	+19 41.5	2.139	2.989	11.7	20.2
3 22	9 4.90	+19 27.3	2.225	2.979	14.5	20.4

56768 2000 OS_{27} 2 11.4 176°.06 0°.1/11.5 18

1 12	9 59.06	+13 9.8	2.942	3.780	8.9	18.7
1 22	9 52.83	+13 18.6	2.865	3.782	6.2	18.6
2 1	9 45.32	+13 32.1	2.816	3.783	3.3	18.4
2 11	9 37.10	+13 47.7	2.798	3.784	0.2	18.1
2 21	9 28.82	+14 2.6	2.811	3.785	3.0	18.3
3 2	9 21.16	+14 14.4	2.855	3.785	6.0	18.5
3 12	9 14.72	+14 21.5	2.928	3.785	8.6	18.7
3 22	9 9.89	+14 22.6	3.024	3.785	10.9	18.9

360570 2003 UN_{95} 2 11.4 100°.44 4°.2/ 8.6 18

1 12	10 4.65	+23 11.4	1.633	2.499	13.2	20.6
1 22	9 57.48	+24 5.8	1.584	2.513	9.3	20.4
2 1	9 47.96	+24 58.8	1.561	2.527	5.6	20.2
2 11	9 37.19	+25 42.1	1.566	2.541	4.4	20.2
2 21	9 26.53	+26 9.5	1.599	2.554	7.2	20.4
3 2	9 17.29	+26 17.9	1.658	2.567	11.0	20.6
3 12	9 10.48	+26 7.8	1.741	2.580	14.4	20.9
3 22	9 6.58	+25 41.8	1.843	2.592	17.3	21.1

65558 1611 T_{-2} 2 11.4 222°.22 0°.0/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 3.35	+12 28.5	1.726	2.576	13.5	20.1
1 22	9 56.68	+12 53.0	1.646	2.569	9.6	19.9
2 1	9 47.66	+13 27.6	1.592	2.560	5.1	19.6
2 11	9 37.19	+14 7.3	1.565	2.552	0.2	19.2
2 21	9 26.46	+14 46.0	1.567	2.542	4.7	19.5
3 2	9 16.74	+15 18.6	1.598	2.532	9.4	19.8
3 12	9 9.13	+15 41.2	1.653	2.522	13.6	20.0
3 22	9 4.29	+15 52.3	1.730	2.511	17.1	20.2

491821 2013 AZ_8 2 11.4 4°.77 3°.0/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.82	+18 2.2	1.050	1.938	17.0	21.2
1 22	9 55.03	+18 47.1	0.996	1.937	11.9	20.9
2 1	9 47.03	+19 39.9	0.964	1.937	6.3	20.6
2 11	9 37.17	+20 30.2	0.955	1.939	3.1	20.5
2 21	9 27.21	+21 8.2	0.970	1.941	7.7	20.7
3 2	9 18.98	+21 27.2	1.008	1.945	13.2	21.0
3 12	9 13.86	+21 25.3	1.065	1.950	18.1	21.3
3 22	9 12.42	+21 3.9	1.140	1.956	22.1	21.6

135488 2001 XT_5 2 11.4 117°.55 3°.9/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 55.74	− 3 3.8	2.785	3.565	10.9	20.4
1 22	9 50.55	− 2 43.8	2.714	3.581	8.6	20.2
2 1	9 44.14	− 2 8.2	2.669	3.597	6.1	20.1
2 11	9 37.07	− 1 18.7	2.652	3.612	4.2	20.0
2 21	9 29.97	− 0 18.8	2.666	3.627	4.2	20.0
3 2	9 23.49	+ 0 47.3	2.709	3.642	6.1	20.1
3 12	9 18.18	+ 1 54.7	2.781	3.656	8.4	20.3
3 22	9 14.44	+ 2 59.1	2.877	3.670	10.7	20.5

249410 2009 DX_5 2 11.4 58°.84 2°.5/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 55.36	+ 2 41.7	2.088	2.911	12.5	20.5
1 22	9 50.61	+ 3 32.8	2.023	2.924	9.3	20.3
2 1	9 44.28	+ 4 41.0	1.983	2.938	5.8	20.1
2 11	9 37.07	+ 6 2.1	1.971	2.951	2.8	19.9
2 21	9 29.82	+ 7 29.9	1.990	2.965	3.8	20.0
3 2	9 23.37	+ 8 57.5	2.037	2.979	7.2	20.2
3 12	9 18.45	+10 18.8	2.112	2.993	10.5	20.5
3 22	9 15.52	+11 29.4	2.209	3.007	13.3	20.7

500009 2011 QQ_{17} 2 11.4 192°.11 0°.2/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.45	+14 19.9	3.199	4.038	8.2	22.6
1 22	9 52.36	+14 33.3	3.118	4.035	5.7	22.5
2 1	9 45.07	+14 50.5	3.065	4.033	3.0	22.3
2 11	9 37.11	+15 8.8	3.043	4.029	0.2	22.0
2 21	9 29.07	+15 25.7	3.053	4.026	2.9	22.2
3 2	9 21.58	+15 38.9	3.094	4.022	5.7	22.4
3 12	9 15.20	+15 46.7	3.164	4.017	8.2	22.6
3 22	9 10.31	+15 48.3	3.258	4.012	10.3	22.7

306664 2000 SP_{266} 2 11.4 166°.66 0°.1/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.01	+11 17.3	2.209	3.048	11.4	22.5
1 22	9 55.24	+12 2.8	2.138	3.055	8.0	22.3
2 1	9 46.71	+12 57.6	2.094	3.061	4.2	22.1
2 11	9 37.17	+13 56.7	2.080	3.066	0.2	21.8
2 21	9 27.53	+14 54.7	2.097	3.071	3.9	22.1
3 2	9 18.74	+15 46.6	2.144	3.074	7.7	22.3
3 12	9 11.61	+16 28.8	2.218	3.076	11.0	22.6
3 22	9 6.64	+16 59.7	2.315	3.078	13.8	22.8

181584 2006 VT_{113} 2 11.4 204°.45 2°.1/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.93	+18 52.6	2.220	3.074	10.7	20.2
1 22	9 55.29	+19 37.2	2.143	3.069	7.5	20.0
2 1	9 46.79	+20 25.0	2.094	3.063	4.0	19.8
2 11	9 37.18	+21 10.3	2.074	3.056	2.2	19.7
2 21	9 27.41	+21 48.1	2.085	3.049	5.0	19.8
3 2	9 18.47	+22 14.5	2.126	3.041	8.5	20.0
3 12	9 11.23	+22 27.7	2.192	3.033	11.8	20.2
3 22	9 6.24	+22 27.8	2.279	3.024	14.5	20.4

465725 2009 UD_{132} 2 11.4 56°.47 4°.9/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.71	+ 0 25.7	1.700	2.517	15.2	20.6
1 22	9 53.86	+ 0 11.0	1.643	2.535	11.7	20.4
2 1	9 46.03	+ 0 16.4	1.609	2.552	8.0	20.2
2 11	9 37.15	+ 0 39.9	1.601	2.570	5.2	20.1
2 21	9 28.28	+ 1 17.6	1.620	2.588	5.6	20.2
3 2	9 20.53	+ 2 3.6	1.666	2.606	8.7	20.4
3 12	9 14.75	+ 2 51.5	1.738	2.624	12.1	20.6
3 22	9 11.43	+ 3 35.9	1.831	2.643	15.1	20.9

423508 2005 TB_{197} 2 11.4 136°.11 1°.2/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.89	+ 8 34.6	2.053	2.890	12.2	22.2
1 22	9 53.82	+ 8 59.2	1.986	2.899	8.7	22.0
2 1	9 45.98	+ 9 35.2	1.944	2.908	4.9	21.8
2 11	9 37.15	+10 18.6	1.931	2.916	1.4	21.5
2 21	9 28.26	+11 4.8	1.947	2.923	3.8	21.7
3 2	9 20.27	+11 48.7	1.993	2.931	7.6	22.0
3 12	9 13.98	+12 26.3	2.065	2.938	11.1	22.2
3 22	9 9.88	+12 55.1	2.160	2.944	14.0	22.4

413374 2004 GH_{78} 2 11.4 320°.90 5°.2/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 2.40	+24 57.5	1.476	2.351	13.8	20.7
1 22	9 56.42	+25 46.3	1.407	2.339	10.0	20.4
2 1	9 47.66	+26 33.4	1.362	2.327	6.4	20.2
2 11	9 37.22	+27 9.6	1.343	2.316	5.4	20.1
2 21	9 26.55	+27 27.4	1.351	2.305	8.4	20.2
3 2	9 17.22	+27 23.0	1.383	2.295	12.5	20.5
3 12	9 10.48	+26 56.9	1.438	2.285	16.5	20.7
3 22	9 6.99	+26 12.4	1.510	2.276	19.8	20.9

354371 2003 QM_{40} 2 11.4 202°.11 0°.4/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.18	+12 1.0	2.097	2.935	11.9	21.2
1 22	9 56.91	+12 13.5	2.014	2.931	8.5	20.9
2 1	9 47.66	+12 33.9	1.958	2.925	4.5	20.7
2 11	9 37.22	+12 58.4	1.932	2.919	0.5	20.4
2 21	9 26.60	+13 22.9	1.937	2.911	4.0	20.6
3 2	9 16.85	+13 43.5	1.971	2.903	8.1	20.9
3 12	9 8.90	+13 57.3	2.032	2.894	11.7	21.1
3 22	9 3.30	+14 3.0	2.116	2.884	14.7	21.3

65024 2002 AP_{106} 2 11.4 244°.38 1°.0/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.96	+14 40.4	2.084	2.938	11.3	19.6
1 22	9 53.33	+15 28.6	2.002	2.927	7.9	19.4
2 1	9 45.82	+16 24.8	1.946	2.916	4.1	19.1
2 11	9 37.15	+17 23.3	1.919	2.905	1.0	18.9
2 21	9 28.25	+18 18.4	1.923	2.894	4.5	19.1
3 2	9 20.12	+19 4.9	1.955	2.882	8.4	19.3
3 12	9 13.66	+19 39.4	2.012	2.870	12.0	19.5
3 22	9 9.43	+20 0.5	2.091	2.857	15.0	19.7

335990 2007 TE_{302} 2 11.4 57°.18 0°.8/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.44	+ 9 58.7	2.119	2.963	11.6	21.1
1 22	9 52.08	+10 20.9	2.052	2.970	8.2	20.9
2 1	9 45.06	+10 53.0	2.010	2.976	4.5	20.7
2 11	9 37.12	+11 31.2	1.997	2.983	1.0	20.4
2 21	9 29.13	+12 10.9	2.013	2.990	3.7	20.6
3 2	9 21.97	+12 47.9	2.059	2.997	7.4	20.9
3 12	9 16.40	+13 18.5	2.130	3.004	10.7	21.1
3 22	9 12.89	+13 40.5	2.224	3.011	13.6	21.3

149161 2002 GW_{10} 2 11.4 34°.72 17°.2/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 55.70	−23 15.3	0.976	1.720	28.7	19.1
1 22	9 52.31	−23 53.0	0.920	1.726	25.9	18.9
2 1	9 45.72	−23 30.2	0.876	1.734	22.7	18.7
2 11	9 37.15	−21 58.8	0.846	1.742	19.6	18.5
2 21	9 28.33	−19 20.5	0.833	1.751	17.6	18.4
3 2	9 21.13	−15 49.2	0.840	1.760	17.5	18.5
3 12	9 17.04	−11 49.6	0.868	1.770	19.3	18.6
3 22	9 16.76	− 7 48.5	0.915	1.781	22.3	18.8

103575 2000 CS 2 11.4 6°.71 0°.8/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.92	+15 59.9	1.056	1.936	17.6	18.7
1 22	9 57.87	+15 51.1	0.999	1.936	12.5	18.4
2 1	9 48.52	+15 49.6	0.964	1.937	6.5	18.1
2 11	9 37.27	+15 49.4	0.952	1.939	0.8	17.7
2 21	9 25.96	+15 44.6	0.965	1.941	6.4	18.1
3 2	9 16.49	+15 31.2	1.001	1.945	12.4	18.4
3 12	9 10.25	+15 7.7	1.058	1.950	17.5	18.7
3 22	9 7.83	+14 34.1	1.132	1.956	21.7	19.0

78314 2002 PR_{72} 2 11.4 311°.09 5°.8/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.85	− 3 38.7	1.996	2.789	14.1	19.8
1 22	9 51.86	− 3 51.8	1.912	2.783	11.4	19.6
2 1	9 45.06	− 3 44.2	1.850	2.777	8.4	19.4
2 11	9 37.14	− 3 16.3	1.815	2.771	6.2	19.3
2 21	9 29.01	− 2 30.8	1.807	2.766	6.2	19.3
3 2	9 21.63	− 1 32.8	1.826	2.760	8.5	19.4
3 12	9 15.86	− 0 28.9	1.871	2.755	11.5	19.6
3 22	9 12.26	+ 0 34.6	1.939	2.750	14.4	19.7

21908 1999 VQ_{21} 2 11.4 222°.89 1°.8/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.06	+16 54.6	1.920	2.777	12.0	19.7
1 22	9 55.64	+17 40.0	1.842	2.769	8.4	19.4
2 1	9 47.08	+18 31.4	1.790	2.760	4.4	19.2
2 11	9 37.22	+19 22.6	1.766	2.750	1.8	19.0
2 21	9 27.13	+20 7.3	1.772	2.741	5.2	19.2
3 2	9 17.96	+20 40.7	1.807	2.730	9.3	19.4
3 12	9 10.70	+21 0.3	1.867	2.719	13.0	19.6
3 22	9 5.97	+21 5.6	1.947	2.708	16.1	19.8

242087 2002 TQ_{279} 2 11.4 82°.81 4°.7/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.64	− 2 17.8	2.281	3.071	12.7	20.4
1 22	9 52.72	− 2 24.8	2.223	3.095	10.0	20.2
2 1	9 45.32	− 2 14.5	2.189	3.119	7.2	20.1
2 11	9 37.15	− 1 48.3	2.182	3.142	5.0	20.0
2 21	9 29.02	− 1 9.5	2.205	3.166	5.1	20.0
3 2	9 21.72	− 0 22.5	2.257	3.189	7.2	20.2
3 12	9 15.93	+ 0 27.6	2.335	3.211	9.8	20.4
3 22	9 12.06	+ 1 16.0	2.437	3.234	12.2	20.6

65271 2002 GD_{39} 2 11.4 198°.79 4°.6/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 56.89	− 2 51.5	2.193	2.984	13.1	20.4
1 22	9 51.74	− 2 32.3	2.109	2.983	10.3	20.3
2 1	9 44.94	− 1 52.9	2.048	2.981	7.4	20.1
2 11	9 37.15	− 0 55.2	2.015	2.978	5.0	19.9
2 21	9 29.19	+ 0 16.8	2.011	2.976	5.1	19.9
3 2	9 21.93	+ 1 37.2	2.036	2.973	7.5	20.1
3 12	9 16.15	+ 2 59.3	2.088	2.970	10.6	20.2
3 22	9 12.36	+ 4 17.0	2.164	2.967	13.4	20.4

345637 2006 SE_{350} 2 11.4 35°.79 4°.2/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 55.67	− 1 9.8	2.343	3.141	12.1	21.4
1 22	9 50.78	− 1 2.7	2.262	3.142	9.5	21.2
2 1	9 44.39	− 0 38.7	2.206	3.142	6.7	21.0
2 11	9 37.13	+ 0 0.6	2.177	3.142	4.5	20.9
2 21	9 29.74	+ 0 52.0	2.177	3.143	4.7	20.9
3 2	9 23.02	+ 1 50.6	2.206	3.143	7.0	21.0
3 12	9 17.67	+ 2 51.1	2.262	3.144	9.9	21.2
3 22	9 14.14	+ 3 48.8	2.342	3.144	12.5	21.4

135339 2001 TM_{21} 2 11.4 343°.39 7°.3/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.02	+36 11.3	2.193	3.044	11.0	19.2
1 22	9 56.21	+37 11.9	2.140	3.043	8.8	19.1
2 1	9 47.29	+38 1.3	2.114	3.042	7.4	19.0
2 11	9 37.24	+38 32.3	2.114	3.041	7.6	19.0
2 21	9 27.19	+38 40.4	2.142	3.041	9.3	19.1
3 2	9 18.30	+38 24.7	2.195	3.040	11.5	19.2
3 12	9 11.49	+37 47.5	2.271	3.040	13.8	19.4
3 22	9 7.26	+36 52.8	2.365	3.039	15.7	19.5

100513 1997 AL_{21} 2 11.4 26°.48 4°.9/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.82	+23 29.4	1.346	2.224	14.7	18.8
1 22	9 56.68	+24 23.9	1.294	2.228	10.5	18.6
2 1	9 47.75	+25 17.4	1.266	2.233	6.4	18.3
2 11	9 37.27	+26 0.2	1.263	2.238	5.1	18.3
2 21	9 26.81	+26 24.6	1.286	2.244	8.3	18.5
3 2	9 17.94	+26 26.9	1.335	2.251	12.5	18.7
3 12	9 11.82	+26 7.9	1.404	2.257	16.4	19.0
3 22	9 9.00	+25 30.9	1.492	2.265	19.7	19.2

382373 2013 TY_{103} 2 11.4 199°.77 1°.0/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.10	+ 9 17.2	2.400	3.234	10.7	21.9
1 22	9 53.18	+ 9 40.3	2.318	3.230	7.7	21.7
2 1	9 45.66	+10 13.1	2.262	3.227	4.3	21.5
2 11	9 37.20	+10 52.1	2.237	3.222	1.1	21.3
2 21	9 28.59	+11 33.3	2.242	3.217	3.4	21.4
3 2	9 20.68	+12 12.7	2.276	3.212	6.9	21.6
3 12	9 14.19	+12 46.7	2.338	3.206	10.2	21.8
3 22	9 9.63	+13 13.0	2.424	3.199	12.9	22.0

166746 Marcpostman 2 11.4 248°.70 1°.8/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 55.99	+ 5 26.1	2.278	3.107	11.4	20.0
1 22	9 51.10	+ 6 7.1	2.193	3.100	8.4	19.7
2 1	9 44.61	+ 7 2.4	2.134	3.093	5.0	19.5
2 11	9 37.16	+ 8 8.4	2.103	3.086	2.0	19.3
2 21	9 29.52	+ 9 20.0	2.103	3.079	3.5	19.4
3 2	9 22.53	+10 31.7	2.132	3.071	7.1	19.6
3 12	9 16.95	+11 38.0	2.188	3.064	10.4	19.8
3 22	9 13.29	+12 35.2	2.267	3.057	13.3	20.0

427841 2005 LD_{9} 2 11.4 225°.14 3°.8/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.25	− 0 26.6	2.487	3.286	11.5	21.7
1 22	9 51.15	− 0 20.8	2.400	3.281	9.0	21.5
2 1	9 44.59	+ 0 0.5	2.338	3.276	6.3	21.3
2 11	9 37.16	+ 0 35.8	2.304	3.270	4.1	21.2
2 21	9 29.57	+ 1 22.2	2.299	3.265	4.4	21.2
3 2	9 22.58	+ 2 15.4	2.323	3.259	6.8	21.3
3 12	9 16.89	+ 3 10.5	2.375	3.254	9.6	21.5
3 22	9 12.96	+ 4 3.1	2.451	3.248	12.2	21.6

340722 2006 SC_{85} 2 11.4 98°.34 2°.9/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.96	+22 11.8	2.349	3.210	9.9	20.6
1 22	9 53.09	+22 51.7	2.286	3.213	7.0	20.4
2 1	9 45.59	+23 31.6	2.251	3.217	4.0	20.3
2 11	9 37.19	+24 6.2	2.244	3.221	3.0	20.2
2 21	9 28.77	+24 31.3	2.268	3.225	5.2	20.4
3 2	9 21.18	+24 44.1	2.319	3.229	8.3	20.5
3 12	9 15.18	+24 43.9	2.396	3.232	11.1	20.7
3 22	9 11.21	+24 31.3	2.495	3.236	13.5	20.9

249038 2007 TL_{46} 2 11.4 205°.69 8°.9/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.82	−14 35.0	2.118	2.836	15.8	22.3
1 22	9 53.96	−14 46.0	2.026	2.830	13.6	22.1
2 1	9 46.20	−14 29.1	1.955	2.824	11.3	21.9
2 11	9 37.24	−13 42.5	1.907	2.817	9.5	21.8
2 21	9 27.99	−12 28.3	1.887	2.809	8.9	21.7
3 2	9 19.48	−10 51.7	1.893	2.800	10.0	21.8
3 12	9 12.59	− 9 1.3	1.926	2.791	12.1	21.9
3 22	9 7.94	− 7 6.2	1.983	2.780	14.6	22.0

329970 2005 SG_{52} 2 11.4 24°.35 5°.0/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 1.82	+24 50.8	1.564	2.437	13.3	20.1
1 22	9 55.72	+25 45.0	1.510	2.441	9.5	19.9
2 1	9 47.17	+26 36.7	1.481	2.445	6.1	19.7
2 11	9 37.27	+27 17.3	1.479	2.450	5.2	19.6
2 21	9 27.37	+27 40.3	1.503	2.456	7.9	19.8
3 2	9 18.84	+27 42.6	1.553	2.461	11.7	20.0
3 12	9 12.74	+27 24.6	1.626	2.467	15.2	20.3
3 22	9 9.59	+26 49.5	1.717	2.474	18.1	20.5

155057 2005 SG_{24} 2 11.4 58°.24 7°.4/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.42	+31 34.8	1.550	2.416	13.8	19.6
1 22	9 58.78	+32 37.8	1.521	2.440	10.4	19.4
2 1	9 48.64	+33 29.0	1.516	2.464	7.9	19.3
2 11	9 37.32	+33 59.3	1.537	2.489	7.7	19.4
2 21	9 26.37	+34 4.1	1.585	2.513	9.8	19.5
3 2	9 17.21	+33 43.1	1.657	2.538	12.7	19.8
3 12	9 10.79	+33 0.1	1.752	2.562	15.6	20.0
3 22	9 7.49	+32 0.6	1.864	2.587	18.0	20.3

56052 1998 XN_{50} 2 11.4 112°.66 2°.3/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.99	+16 56.7	1.589	2.451	13.8	18.9
1 22	9 57.07	+18 1.7	1.539	2.468	9.5	18.7
2 1	9 47.81	+19 12.8	1.515	2.485	5.0	18.5
2 11	9 37.30	+20 21.2	1.518	2.502	2.4	18.4
2 21	9 26.85	+21 19.2	1.550	2.517	6.0	18.6
3 2	9 17.76	+22 1.3	1.610	2.533	10.3	18.9
3 12	9 11.03	+22 25.6	1.694	2.547	14.1	19.2
3 22	9 7.16	+22 32.8	1.797	2.562	17.1	19.4

79359 1997 CA_{14} 2 11.4 183°.10 0°.5/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.58	+14 6.5	2.639	3.485	9.5	20.1
1 22	9 52.00	+14 38.1	2.564	3.486	6.6	20.0
2 1	9 45.00	+15 15.2	2.516	3.486	3.4	19.7
2 11	9 37.20	+15 54.2	2.499	3.485	0.5	19.5
2 21	9 29.30	+16 31.0	2.512	3.485	3.5	19.7
3 2	9 22.06	+17 2.4	2.555	3.484	6.7	19.9
3 12	9 16.13	+17 25.9	2.625	3.482	9.5	20.1
3 22	9 11.94	+17 40.3	2.719	3.481	12.0	20.3

502248 2015 BS_{101} 2 11.4 142°.12 1°.3/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.87	+15 4.4	2.223	3.079	10.6	20.8
1 22	9 51.73	+16 11.8	2.154	3.081	7.4	20.6
2 1	9 44.94	+17 26.4	2.113	3.083	3.8	20.4
2 11	9 37.19	+18 42.1	2.101	3.085	1.4	20.2
2 21	9 29.32	+19 52.8	2.119	3.088	4.5	20.5
3 2	9 22.21	+20 53.3	2.166	3.090	8.0	20.7
3 12	9 16.63	+21 40.3	2.240	3.091	11.2	20.9
3 22	9 13.06	+22 12.6	2.335	3.093	13.8	21.1

487133 2014 OX_{190} 2 11.4 213°.57 0°.7/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.35	+14 16.2	1.930	2.781	12.2	22.2
1 22	9 55.82	+14 51.9	1.851	2.774	8.6	21.9
2 1	9 47.19	+15 35.5	1.797	2.767	4.5	21.7
2 11	9 37.29	+16 21.6	1.773	2.760	0.7	21.4
2 21	9 27.17	+17 4.5	1.779	2.751	4.6	21.6
3 2	9 17.96	+17 39.2	1.813	2.742	8.9	21.9
3 12	9 10.63	+18 2.7	1.873	2.733	12.6	22.1
3 22	9 5.80	+18 13.9	1.954	2.723	15.8	22.3

245223 2004 XC_{45} 2 11.4 79°.58 1°.7/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.79	+15 24.9	1.459	2.323	14.7	20.7
1 22	9 56.93	+16 23.1	1.418	2.348	10.1	20.5
2 1	9 47.71	+17 28.6	1.402	2.373	5.2	20.2
2 11	9 37.30	+18 33.0	1.412	2.398	1.7	20.1
2 21	9 27.09	+19 28.2	1.451	2.422	5.8	20.4
3 2	9 18.39	+20 8.8	1.517	2.446	10.3	20.7
3 12	9 12.18	+20 32.6	1.607	2.470	14.2	21.0
3 22	9 8.89	+20 40.0	1.716	2.493	17.3	21.3

294880 2008 CO_{213} 2 11.4 253°.13 2°.5/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.56	+ 5 9.2	1.790	2.625	13.8	21.2
1 22	9 53.24	+ 5 35.2	1.710	2.620	10.2	20.9
2 1	9 45.87	+ 6 18.4	1.655	2.614	6.2	20.7
2 11	9 37.24	+ 7 15.1	1.626	2.608	2.7	20.4
2 21	9 28.38	+ 8 19.7	1.626	2.603	4.4	20.5
3 2	9 20.40	+ 9 25.5	1.655	2.597	8.5	20.8
3 12	9 14.27	+10 26.1	1.708	2.591	12.4	21.0
3 22	9 10.58	+11 16.9	1.783	2.585	15.8	21.2

423664 2005 YQ_{134} 2 11.4 147°.29 1°.3/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.50	+ 9 57.8	2.208	3.042	11.6	21.4
1 22	9 55.56	+ 9 52.7	2.137	3.049	8.3	21.2
2 1	9 46.90	+ 9 55.8	2.092	3.055	4.7	21.0
2 11	9 37.29	+10 4.6	2.077	3.062	1.4	20.8
2 21	9 27.63	+10 15.9	2.092	3.068	3.7	21.0
3 2	9 18.87	+10 26.7	2.137	3.073	7.3	21.2
3 12	9 11.77	+10 34.3	2.210	3.078	10.6	21.4
3 22	9 6.83	+10 36.9	2.305	3.083	13.4	21.6

179873 2002 TA_{303} 2 11.4 92°.37 6°.2/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 57.63	− 5 14.2	1.724	2.517	16.0	20.3
1 22	9 52.59	− 5 1.0	1.649	2.520	12.9	20.1
2 1	9 45.52	− 4 20.9	1.596	2.524	9.5	19.9
2 11	9 37.25	− 3 15.3	1.569	2.527	6.8	19.7
2 21	9 28.80	− 1 49.5	1.568	2.530	6.6	19.7
3 2	9 21.29	− 0 11.3	1.595	2.534	9.1	19.8
3 12	9 15.66	+ 1 29.6	1.648	2.537	12.4	20.0
3 22	9 12.48	+ 3 5.1	1.723	2.540	15.6	20.3

40339 1999 NF_{8} 2 11.4 181°.68 0°.5/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.52	+11 2.8	2.051	2.891	12.1	19.8
1 22	9 55.77	+11 27.2	1.976	2.893	8.6	19.6
2 1	9 47.11	+12 1.0	1.927	2.893	4.6	19.3
2 11	9 37.32	+12 40.0	1.907	2.893	0.6	19.0
2 21	9 27.41	+13 19.4	1.917	2.892	4.0	19.3
3 2	9 18.38	+13 54.6	1.957	2.891	8.0	19.5
3 12	9 11.14	+14 22.2	2.023	2.889	11.6	19.7
3 22	9 6.21	+14 40.4	2.112	2.886	14.6	19.9

73462 2002 NA_{53} 2 11.4 114°.56 0°.6/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.15	+14 27.0	2.245	3.096	10.8	19.8
1 22	9 53.22	+14 59.3	2.182	3.106	7.5	19.6
2 1	9 45.68	+15 37.6	2.146	3.116	3.9	19.4
2 11	9 37.26	+16 17.3	2.140	3.126	0.6	19.1
2 21	9 28.82	+16 53.8	2.163	3.136	3.9	19.4
3 2	9 21.24	+17 23.5	2.216	3.145	7.5	19.7
3 12	9 15.23	+17 43.9	2.295	3.155	10.6	19.9
3 22	9 11.25	+17 54.1	2.396	3.164	13.3	20.1

163690 2003 BJ_{7} 2 11.4 3°.01 4°.5/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.98	+10 46.9	0.943	1.829	18.7	18.6
1 22	9 53.52	+14 46.0	0.886	1.828	12.9	18.3
2 1	9 46.58	+19 21.9	0.853	1.827	6.6	18.0
2 11	9 37.31	+24 6.1	0.847	1.827	5.3	17.9
2 21	9 27.48	+28 25.4	0.869	1.828	11.0	18.2
3 2	9 19.18	+31 55.2	0.916	1.830	17.1	18.5
3 12	9 14.17	+34 26.0	0.983	1.832	22.2	18.8
3 22	9 13.33	+36 1.4	1.065	1.835	26.1	19.1

307599 2003 QK_{8} 2 11.4 214°.72 1°.9/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.29	+ 7 36.9	1.875	2.709	13.3	20.9
1 22	9 55.82	+ 7 47.4	1.792	2.703	9.7	20.7
2 1	9 47.23	+ 8 11.1	1.734	2.696	5.7	20.4
2 11	9 37.34	+ 8 44.7	1.705	2.688	2.1	20.1
2 21	9 27.20	+ 9 23.5	1.705	2.680	4.3	20.3
3 2	9 17.96	+10 2.5	1.733	2.672	8.5	20.5
3 12	9 10.60	+10 36.9	1.788	2.663	12.4	20.7
3 22	9 5.74	+11 3.6	1.864	2.653	15.7	20.9

495450 2014 TJ_{8} 2 11.4 93°.10 2°.5/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.45	+19 30.1	1.776	2.638	12.6	20.9
1 22	9 56.50	+20 7.0	1.725	2.654	8.7	20.7
2 1	9 47.46	+20 45.9	1.700	2.669	4.7	20.5
2 11	9 37.34	+21 20.3	1.703	2.685	2.6	20.4
2 21	9 27.31	+21 44.9	1.735	2.700	5.6	20.6
3 2	9 18.53	+21 56.4	1.794	2.715	9.5	20.9
3 12	9 11.92	+21 54.0	1.878	2.730	13.0	21.1
3 22	9 7.92	+21 38.7	1.983	2.744	15.8	21.3

142712 2002 TQ_{264} 2 11.4 94°.79 0°.8/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.80	+10 4.1	1.693	2.542	13.7	20.6
1 22	9 54.77	+10 29.5	1.630	2.551	9.8	20.3
2 1	9 46.63	+11 7.1	1.592	2.559	5.3	20.1
2 11	9 37.31	+11 52.0	1.581	2.568	1.0	19.8
2 21	9 27.93	+12 38.2	1.599	2.576	4.4	20.1
3 2	9 19.67	+13 20.0	1.645	2.584	8.8	20.3
3 12	9 13.45	+13 53.2	1.716	2.592	12.7	20.6
3 22	9 9.82	+14 15.5	1.807	2.600	16.0	20.8

239240 2006 ST_{323} 2 11.4 218°.30 5°.0/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.87	+31 2.4	2.679	3.532	9.1	21.0
1 22	9 54.43	+31 54.2	2.613	3.526	6.9	20.8
2 1	9 46.34	+32 40.1	2.574	3.520	5.3	20.7
2 11	9 37.31	+33 14.6	2.565	3.513	5.2	20.7
2 21	9 28.18	+33 33.8	2.584	3.506	6.8	20.8
3 2	9 19.86	+33 35.8	2.632	3.498	9.1	20.9
3 12	9 13.09	+33 21.1	2.704	3.491	11.3	21.1
3 22	9 8.36	+32 51.7	2.797	3.483	13.3	21.2

82366 2001 MR_{8} 2 11.4 185°.00 1°.3/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.47	+15 54.8	2.429	3.277	10.1	20.0
1 22	9 54.16	+16 47.0	2.355	3.278	7.0	19.8
2 1	9 46.21	+17 44.5	2.308	3.277	3.6	19.5
2 11	9 37.30	+18 42.3	2.291	3.276	1.3	19.4
2 21	9 28.26	+19 35.2	2.306	3.274	4.2	19.6
3 2	9 19.95	+20 19.0	2.351	3.271	7.6	19.8
3 12	9 13.13	+20 51.3	2.423	3.268	10.6	20.0
3 22	9 8.30	+21 11.2	2.517	3.264	13.2	20.1

417737 2007 CM_{59} 2 11.4 323°.31 4°.9/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 54.72	− 1 20.6	1.543	2.366	16.2	20.2
1 22	9 50.89	− 0 48.0	1.454	2.349	12.7	19.9
2 1	9 44.80	+ 0 13.0	1.387	2.334	8.7	19.6
2 11	9 37.25	+ 1 40.2	1.346	2.318	5.4	19.4
2 21	9 29.32	+ 3 26.8	1.330	2.304	5.7	19.4
3 2	9 22.23	+ 5 22.9	1.342	2.290	9.5	19.6
3 12	9 17.12	+ 7 17.3	1.378	2.276	13.8	19.8
3 22	9 14.70	+ 9 1.0	1.436	2.264	17.7	20.0

398540 2011 UE_{322} 2 11.4 185°.79 4°.0/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.56	+22 20.6	1.813	2.676	12.3	21.1
1 22	9 56.82	+23 33.4	1.748	2.676	8.7	20.8
2 1	9 47.78	+24 47.5	1.710	2.676	5.2	20.6
2 11	9 37.37	+25 54.4	1.701	2.675	4.2	20.6
2 21	9 26.81	+26 46.5	1.720	2.673	7.1	20.7
3 2	9 17.35	+27 19.5	1.767	2.671	10.7	20.9
3 12	9 10.05	+27 32.1	1.838	2.668	14.2	21.2
3 22	9 5.51	+27 26.3	1.928	2.665	17.0	21.4

343313 2010 BX_{40} 2 11.4 345°.92 1°.4/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 55.61	+ 7 5.8	1.991	2.832	12.3	20.5
1 22	9 51.01	+ 7 48.9	1.914	2.829	8.9	20.3
2 1	9 44.65	+ 8 46.7	1.863	2.827	5.1	20.0
2 11	9 37.25	+ 9 54.6	1.840	2.824	1.6	19.8
2 21	9 29.70	+11 6.8	1.845	2.822	3.8	19.9
3 2	9 22.92	+12 16.8	1.880	2.821	7.7	20.2
3 12	9 17.74	+13 19.2	1.940	2.819	11.4	20.4
3 22	9 14.68	+14 10.3	2.023	2.818	14.4	20.6

56166 1999 ER_{6} 2 11.4 62°.12 1°.8/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.18	+ 7 11.9	1.558	2.404	14.9	19.8
1 22	9 54.33	+ 7 43.4	1.509	2.426	10.7	19.6
2 1	9 46.37	+ 8 30.9	1.484	2.448	6.1	19.4
2 11	9 37.32	+ 9 28.7	1.486	2.470	2.0	19.2
2 21	9 28.37	+10 30.0	1.515	2.493	4.4	19.4
3 2	9 20.67	+11 27.8	1.572	2.515	8.8	19.7
3 12	9 15.12	+12 16.7	1.654	2.537	12.8	20.0
3 22	9 12.20	+12 53.7	1.757	2.560	16.0	20.2

406438 2007 TE_{292} 2 11.4 162°.75 0°.6/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.04	+10 11.6	2.022	2.861	12.2	22.5
1 22	9 55.43	+10 48.2	1.952	2.868	8.7	22.3
2 1	9 46.94	+11 35.4	1.908	2.874	4.7	22.1
2 11	9 37.36	+12 28.7	1.893	2.880	0.7	21.8
2 21	9 27.68	+13 22.4	1.909	2.884	4.0	22.1
3 2	9 18.93	+14 11.3	1.954	2.888	8.0	22.3
3 12	9 11.96	+14 51.4	2.025	2.891	11.6	22.5
3 22	9 7.29	+15 20.6	2.119	2.893	14.6	22.8

79480 1998 DZ_{9} 2 11.4 42°.92 3°.0/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.07	+ 2 40.7	1.811	2.640	13.9	18.4
1 22	9 51.29	+ 3 16.0	1.755	2.659	10.4	18.2
2 1	9 44.75	+ 4 9.8	1.724	2.678	6.5	18.0
2 11	9 37.27	+ 5 17.8	1.719	2.698	3.3	17.9
2 21	9 29.80	+ 6 33.7	1.743	2.718	4.3	18.0
3 2	9 23.30	+ 7 50.4	1.795	2.739	7.8	18.2
3 12	9 18.56	+ 9 1.4	1.873	2.760	11.3	18.5
3 22	9 16.02	+10 2.1	1.973	2.781	14.3	18.7

222850 2002 EC_{100} 2 11.4 17°.96 4°.1/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.29	+ 2 57.1	1.578	2.412	15.4	19.8
1 22	9 53.16	+ 2 49.3	1.511	2.415	11.7	19.6
2 1	9 45.86	+ 3 0.7	1.467	2.419	7.6	19.4
2 11	9 37.32	+ 3 29.1	1.448	2.424	4.4	19.2
2 21	9 28.65	+ 4 10.0	1.456	2.429	5.3	19.3
3 2	9 21.05	+ 4 57.2	1.491	2.435	9.1	19.5
3 12	9 15.51	+ 5 44.2	1.550	2.442	12.9	19.7
3 22	9 12.59	+ 6 25.5	1.630	2.448	16.3	20.0

252943 2002 PH_{38} 2 11.4 217°.57 0°.0/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.02	+11 47.5	1.982	2.828	12.2	21.8
1 22	9 54.88	+12 25.5	1.900	2.820	8.6	21.5
2 1	9 46.73	+13 13.9	1.844	2.812	4.6	21.3
2 11	9 37.36	+14 7.6	1.817	2.804	0.2	20.9
2 21	9 27.75	+15 0.7	1.820	2.795	4.2	21.2
3 2	9 18.97	+15 48.1	1.852	2.785	8.4	21.4
3 12	9 11.97	+16 25.5	1.910	2.775	12.2	21.7
3 22	9 7.33	+16 51.0	1.990	2.764	15.4	21.8

35378 1997 WN_{12} 2 11.4 254°.26 0°.7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.55	+10 30.3	1.732	2.579	13.6	19.5
1 22	9 56.30	+10 56.1	1.641	2.560	9.8	19.3
2 1	9 47.64	+11 34.8	1.574	2.541	5.4	19.0
2 11	9 37.40	+12 21.8	1.535	2.521	0.8	18.6
2 21	9 26.72	+13 10.9	1.525	2.501	4.6	18.8
3 2	9 16.90	+13 56.2	1.543	2.480	9.5	19.0
3 12	9 9.09	+14 32.5	1.586	2.459	13.8	19.2
3 22	9 4.04	+14 57.3	1.650	2.436	17.6	19.4

69027 2002 VW_{95} 2 11.4 29°.31 4°.5/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 5.64	+22 18.1	1.089	1.972	17.0	19.0
1 22	9 59.03	+22 48.6	1.041	1.979	12.0	18.7
2 1	9 49.13	+23 18.5	1.016	1.986	6.9	18.4
2 11	9 37.46	+23 38.0	1.014	1.995	4.6	18.3
2 21	9 25.92	+23 39.6	1.037	2.004	8.4	18.6
3 2	9 16.40	+23 20.8	1.084	2.013	13.4	18.9
3 12	9 10.20	+22 43.1	1.151	2.024	17.9	19.2
3 22	9 7.80	+21 50.3	1.236	2.035	21.6	19.5

331633 2002 GQ_{124} 2 11.4 85°.40 6°.6/17.7 18

1 12	9 57.39	− 7 55.6	2.007	2.776	14.9	20.6
1 22	9 52.15	− 7 51.8	1.940	2.790	12.2	20.4
2 1	9 45.20	− 7 23.4	1.894	2.804	9.4	20.2
2 11	9 37.30	− 6 31.4	1.875	2.819	7.2	20.1
2 21	9 29.34	− 5 19.7	1.882	2.833	6.8	20.1
3 2	9 22.25	− 3 54.8	1.918	2.847	8.5	20.3
3 12	9 16.80	− 2 24.5	1.979	2.861	11.1	20.5
3 22	9 13.48	− 0 56.2	2.065	2.874	13.7	20.7

211581 2003 SF_{181} 2 11.4 197°.14 0°.3/11.2 18

1 12	10 2.55	+13 1.8	2.033	2.878	11.9	21.5
1 22	9 55.88	+13 34.1	1.954	2.875	8.4	21.2
2 1	9 47.22	+14 14.8	1.903	2.871	4.4	21.0
2 11	9 37.39	+14 58.9	1.880	2.867	0.3	20.6
2 21	9 27.37	+15 41.2	1.888	2.862	4.2	20.9
3 2	9 18.24	+16 17.0	1.926	2.856	8.3	21.2
3 12	9 10.90	+16 43.0	1.989	2.850	12.0	21.4
3 22	9 5.92	+16 58.0	2.074	2.842	15.0	21.6

203761 2002 RA_{167} 2 11.4 81°.50 0°.1/11.6 18

1 12	9 58.89	+12 1.6	2.114	2.962	11.4	20.9
1 22	9 53.09	+12 29.1	2.055	2.976	8.0	20.7
2 1	9 45.64	+13 4.6	2.023	2.991	4.2	20.5
2 11	9 37.32	+13 43.8	2.019	3.005	0.3	20.2
2 21	9 29.00	+14 22.1	2.045	3.020	3.8	20.5
3 2	9 21.59	+14 55.4	2.100	3.034	7.5	20.8
3 12	9 15.83	+15 20.6	2.181	3.049	10.8	21.0
3 22	9 12.15	+15 36.3	2.284	3.063	13.5	21.2

416972 2005 TN_{19} 2 11.4 30°.26 7°.0/17.1 18

1 12	9 55.45	− 5 21.0	1.325	2.140	18.9	20.1
1 22	9 51.33	− 5 7.1	1.273	2.156	15.1	19.9
2 1	9 44.93	− 4 20.3	1.240	2.174	11.0	19.7
2 11	9 37.29	− 3 3.3	1.231	2.192	7.7	19.6
2 21	9 29.65	− 1 23.7	1.246	2.212	7.3	19.6
3 2	9 23.27	+ 0 27.3	1.287	2.232	10.1	19.8
3 12	9 19.14	+ 2 17.9	1.351	2.254	13.7	20.1
3 22	9 17.77	+ 3 58.5	1.437	2.276	17.1	20.4

522669 2016 GX_{265} 2 11.4 232°.68 6°.0/16.9 17

1 12	9 58.11	− 7 8.5	2.563	3.319	12.4	22.1
1 22	9 52.53	− 7 27.5	2.465	3.307	10.2	21.9
2 1	9 45.40	− 7 28.3	2.391	3.295	8.0	21.7
2 11	9 37.32	− 7 10.6	2.344	3.282	6.3	21.6
2 21	9 28.99	− 6 35.9	2.325	3.268	6.2	21.6
3 2	9 21.20	− 5 47.6	2.335	3.254	7.7	21.7
3 12	9 14.69	− 4 50.7	2.372	3.240	10.0	21.8
3 22	9 9.96	− 3 50.7	2.433	3.225	12.4	21.9

212871 2007 VG_{169} 2 11.4 14°.25 0°.8/12.0 18

1 12	9 56.78	+10 23.4	1.863	2.715	12.5	20.5
1 22	9 51.86	+10 43.3	1.796	2.718	8.9	20.2
2 1	9 45.10	+11 13.9	1.755	2.723	4.9	20.0
2 11	9 37.30	+11 51.2	1.741	2.727	0.9	19.7
2 21	9 29.43	+12 30.1	1.756	2.733	4.0	20.0
3 2	9 22.48	+13 5.8	1.798	2.739	8.1	20.2
3 12	9 17.30	+13 34.3	1.865	2.745	11.7	20.5
3 22	9 14.37	+13 53.3	1.954	2.752	14.8	20.7

246717 2009 BP_{17} 2 11.4 350°.05 2°.4/13.2 17

1 12	9 58.30	+ 6 32.8	2.028	2.861	12.4	20.2
1 22	9 52.84	+ 6 27.3	1.951	2.859	9.2	19.9
2 1	9 45.60	+ 6 34.0	1.899	2.857	5.6	19.7
2 11	9 37.32	+ 6 50.7	1.875	2.856	2.6	19.5
2 21	9 28.91	+ 7 14.0	1.879	2.854	4.1	19.6
3 2	9 21.32	+ 7 39.9	1.912	2.853	7.6	19.8
3 12	9 15.37	+ 8 4.2	1.971	2.852	11.1	20.0
3 22	9 11.59	+ 8 23.8	2.053	2.852	14.1	20.2

59490 1999 JD_4 2 11.4 208°.67 10°.2/20.5 18 R

1 12	10 1.43	−19 13.6	2.374	3.045	15.4	19.4
1 22	9 55.05	−19 57.6	2.280	3.038	13.7	19.3
2 1	9 46.81	−20 15.6	2.205	3.029	12.0	19.1
2 11	9 37.38	−20 4.8	2.154	3.019	10.7	19.0
2 21	9 27.62	−19 24.9	2.127	3.009	10.2	19.0
3 2	9 18.50	−18 19.2	2.127	2.998	10.8	19.0
3 12	9 10.89	−16 54.1	2.152	2.985	12.3	19.1
3 22	9 5.39	−15 17.8	2.200	2.972	14.2	19.2

271100 2003 QZ_{92} 2 11.4 167°.41 4°.2/ 7.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 1.69	+26 5.5	2.267	3.126	10.3	20.6
1 22	9 55.14	+26 57.0	2.205	3.129	7.4	20.4
2 1	9 46.77	+27 45.4	2.171	3.131	4.9	20.3
2 11	9 37.38	+28 24.5	2.167	3.133	4.4	20.2
2 21	9 27.95	+28 49.8	2.191	3.135	6.5	20.4
3 2	9 19.46	+28 58.7	2.244	3.136	9.3	20.6
3 12	9 12.73	+28 51.1	2.321	3.137	12.0	20.7
3 22	9 8.26	+28 29.0	2.419	3.138	14.4	20.9

262880 2007 BT_{75} 2 11.4 55°.74 2°.2/ 9.9 18

1 12	10 1.07	+17 46.8	1.618	2.485	13.3	20.8
1 22	9 55.06	+18 29.9	1.564	2.495	9.2	20.6
2 1	9 46.83	+19 17.9	1.534	2.505	4.9	20.3
2 11	9 37.38	+20 3.5	1.532	2.516	2.2	20.2
2 21	9 27.96	+20 40.3	1.558	2.527	5.7	20.4
3 2	9 19.79	+21 3.9	1.611	2.538	9.9	20.7
3 12	9 13.82	+21 12.5	1.688	2.550	13.7	21.0
3 22	9 10.58	+21 6.4	1.784	2.561	16.8	21.2

518946 2010 GO_{176} 2 11.4 167°.64 2°.2/ 9.6 17

1 12	10 1.20	+20 35.4	2.375	3.230	10.1	21.4
1 22	9 54.66	+21 0.1	2.307	3.232	7.0	21.2
2 1	9 46.48	+21 25.5	2.266	3.234	3.9	21.0
2 11	9 37.38	+21 46.9	2.255	3.236	2.3	20.9
2 21	9 28.24	+22 0.7	2.274	3.237	4.7	21.0
3 2	9 19.95	+22 4.3	2.322	3.238	7.9	21.2
3 12	9 13.27	+21 57.0	2.397	3.239	10.8	21.4
3 22	9 8.66	+21 39.3	2.493	3.240	13.3	21.6

278807 2008 SQ_{244} 2 11.4 100°.88 0°.5/11.9 18 R

1 12	9 58.94	+10 48.3	2.057	2.903	11.8	21.1
1 22	9 53.23	+11 14.4	1.991	2.910	8.4	20.9
2 1	9 45.77	+11 50.1	1.951	2.918	4.5	20.7
2 11	9 37.35	+12 31.1	1.939	2.925	0.6	20.4
2 21	9 28.87	+13 12.7	1.957	2.933	3.8	20.6
3 2	9 21.27	+13 50.3	2.003	2.940	7.7	20.9
3 12	9 15.35	+14 20.4	2.076	2.947	11.1	21.1
3 22	9 11.58	+14 40.9	2.171	2.954	14.0	21.3

324566 2006 WX_{136} 2 11.4 63°.45 1°.9/10.0 18

1 12	10 0.03	+15 39.3	1.551	2.418	13.8	20.4
1 22	9 54.40	+16 44.7	1.499	2.431	9.5	20.1
2 1	9 46.51	+17 58.2	1.472	2.444	4.9	19.9
2 11	9 37.38	+19 11.5	1.472	2.456	2.0	19.7
2 21	9 28.25	+20 16.2	1.500	2.470	5.7	20.0
3 2	9 20.36	+21 6.4	1.554	2.483	10.1	20.3
3 12	9 14.70	+21 38.8	1.633	2.496	14.0	20.5
3 22	9 11.78	+21 53.5	1.731	2.509	17.2	20.8

66281 1999 JY_{12} 2 11.4 263°.93 4°.2/ 8.2 18

1 12	10 1.95	+21 11.5	1.625	2.494	13.1	19.3
1 22	9 56.10	+22 33.0	1.546	2.477	9.3	19.0
2 1	9 47.62	+23 59.9	1.493	2.461	5.5	18.8
2 11	9 37.44	+25 22.2	1.468	2.444	4.4	18.7
2 21	9 26.83	+26 30.3	1.470	2.426	7.7	18.8
3 2	9 17.24	+27 17.7	1.499	2.408	11.9	19.0
3 12	9 9.93	+27 41.8	1.551	2.390	15.9	19.2
3 22	9 5.65	+27 43.9	1.621	2.372	19.2	19.4

135192 2001 RZ_{22} 2 11.4 77°.24 3°.4/15.0 18

1 12	9 55.55	− 0 21.9	2.220	3.026	12.5	19.6
1 22	9 50.77	+ 0 20.7	2.149	3.036	9.6	19.4
2 1	9 44.46	+ 1 21.8	2.102	3.046	6.4	19.2
2 11	9 37.30	+ 2 38.2	2.084	3.057	3.8	19.1
2 21	9 30.07	+ 4 4.4	2.095	3.067	4.1	19.1
3 2	9 23.57	+ 5 34.0	2.136	3.077	6.9	19.3
3 12	9 18.52	+ 7 0.5	2.205	3.088	10.0	19.5
3 22	9 15.35	+ 8 18.9	2.297	3.098	12.8	19.7

94997 2001 YH_{137} 2 11.4 183°.03 4°.4/ 8.1 18

1 12	10 4.13	+23 17.3	1.761	2.625	12.5	20.0
1 22	9 57.30	+24 29.5	1.698	2.626	8.9	19.7
2 1	9 48.08	+25 41.9	1.661	2.626	5.5	19.5
2 11	9 37.46	+26 45.6	1.653	2.626	4.6	19.5
2 21	9 26.70	+27 33.2	1.674	2.625	7.4	19.7
3 2	9 17.11	+28 0.5	1.721	2.623	11.1	19.9
3 12	9 9.77	+28 6.8	1.792	2.621	14.5	20.1
3 22	9 5.27	+27 54.4	1.882	2.618	17.4	20.3

489227 2006 KN_{106} 2 11.4 208°.01 2°.7/ 9.6 18

1 12	10 3.82	+19 28.9	1.823	2.682	12.4	22.0
1 22	9 57.01	+20 14.4	1.750	2.678	8.7	21.7
2 1	9 47.91	+21 3.3	1.704	2.673	4.8	21.5
2 11	9 37.46	+21 48.6	1.686	2.668	2.8	21.4
2 21	9 26.83	+22 24.1	1.698	2.662	5.9	21.5
3 2	9 17.26	+22 45.3	1.737	2.655	10.0	21.8
3 12	9 9.78	+22 50.9	1.801	2.648	13.6	22.0
3 22	9 5.02	+22 41.5	1.885	2.641	16.7	22.2

140441 2001 TH_{113} 2 11.4 62°.05 7°.8/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 4.72	+38 18.6	2.183	3.028	11.2	19.7
1 22	9 57.38	+39 15.1	2.143	3.038	9.2	19.6
2 1	9 47.94	+39 57.8	2.128	3.048	7.9	19.5
2 11	9 37.46	+40 19.9	2.141	3.058	8.1	19.5
2 21	9 27.13	+40 17.9	2.180	3.069	9.6	19.7
3 2	9 18.11	+39 51.7	2.244	3.079	11.6	19.8
3 12	9 11.29	+39 4.3	2.330	3.090	13.7	20.0
3 22	9 7.11	+38 0.4	2.435	3.100	15.5	20.1

456921 2007 XM_{45} 2 11.4 84°.85 0°.6/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.07	+10 15.1	1.595	2.445	14.4	21.9
1 22	9 55.68	+10 49.2	1.543	2.464	10.2	21.7
2 1	9 47.12	+11 35.7	1.516	2.483	5.5	21.4
2 11	9 37.43	+12 28.7	1.516	2.502	0.8	21.1
2 21	9 27.80	+13 21.6	1.544	2.521	4.5	21.4
3 2	9 19.44	+14 8.2	1.600	2.539	9.1	21.8
3 12	9 13.28	+14 44.4	1.681	2.557	13.0	22.0
3 22	9 9.81	+15 8.1	1.783	2.575	16.2	22.3

332173 2006 AB_{79} 2 11.4 166°.46 0°.8/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.48	+13 46.3	2.094	2.947	11.3	21.2
1 22	9 52.97	+14 40.7	2.024	2.949	7.9	20.9
2 1	9 45.69	+15 43.5	1.981	2.951	4.1	20.7
2 11	9 37.37	+16 48.7	1.966	2.952	0.8	20.5
2 21	9 28.93	+17 50.5	1.982	2.954	4.3	20.7
3 2	9 21.32	+18 43.7	2.026	2.955	8.1	21.0
3 12	9 15.35	+19 24.7	2.096	2.956	11.5	21.2
3 22	9 11.53	+19 52.2	2.189	2.956	14.3	21.4

428792 2008 SG_{292} 2 11.4 162°.20 0°.5/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.96	+18 42.6	1.144	1.997	18.6	20.6
1 22	10 11.31	+17 40.4	1.078	2.001	13.3	20.3
2 1	9 55.67	+16 34.7	1.035	2.004	7.1	20.0
2 11	9 37.80	+15 22.1	1.020	2.006	0.6	19.6
2 21	9 20.06	+14 2.7	1.034	2.009	6.6	20.0
3 2	9 4.77	+12 39.3	1.076	2.010	12.9	20.3
3 12	8 53.52	+11 15.7	1.142	2.011	18.3	20.6
3 22	8 46.85	+ 9 54.4	1.226	2.012	22.5	20.9

467183 2016 EL_{115} 2 11.4 297°.27 5°.8/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.14	+28 47.1	1.700	2.562	13.0	20.5
1 22	9 59.53	+29 17.0	1.631	2.553	9.7	20.2
2 1	9 49.28	+29 39.5	1.588	2.545	6.7	20.0
2 11	9 37.53	+29 46.8	1.571	2.536	5.9	20.0
2 21	9 25.70	+29 33.9	1.583	2.528	8.4	20.1
3 2	9 15.26	+28 59.3	1.621	2.520	11.9	20.3
3 12	9 7.36	+28 5.4	1.682	2.511	15.3	20.5
3 22	9 2.59	+26 56.8	1.763	2.503	18.3	20.7

215891 2005 GF_{19} 2 11.4 338°.42 1°.9/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.38	+16 34.9	1.344	2.219	15.0	20.9
1 22	9 55.11	+17 12.3	1.277	2.212	10.5	20.6
2 1	9 47.10	+17 58.0	1.233	2.205	5.5	20.3
2 11	9 37.44	+18 44.3	1.214	2.199	2.0	20.1
2 21	9 27.55	+19 23.2	1.221	2.194	6.3	20.3
3 2	9 18.96	+19 48.7	1.254	2.189	11.4	20.6
3 12	9 12.92	+19 57.6	1.309	2.185	15.9	20.8
3 22	9 10.10	+19 50.0	1.382	2.181	19.7	21.1

193815 2001 PW_{57} 2 11.4 129°.93 1°.2/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.73	+ 8 3.1	1.695	2.535	14.2	21.5
1 22	9 56.13	+ 8 44.7	1.634	2.549	10.2	21.3
2 1	9 47.39	+ 9 41.1	1.598	2.563	5.7	21.0
2 11	9 37.45	+10 46.6	1.590	2.576	1.4	20.8
2 21	9 27.48	+11 54.3	1.611	2.588	4.4	21.0
3 2	9 18.66	+12 57.1	1.661	2.599	8.8	21.3
3 12	9 11.94	+13 50.0	1.736	2.610	12.8	21.5
3 22	9 7.85	+14 30.0	1.833	2.621	16.0	21.8

289205 2004 XA_{12} 2 11.4 359°.00 3°.6/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.02	+ 5 38.4	1.343	2.191	16.7	19.5
1 22	9 55.45	+ 5 25.7	1.275	2.190	12.5	19.3
2 1	9 47.24	+ 5 31.7	1.229	2.189	7.7	19.0
2 11	9 37.45	+ 5 53.9	1.208	2.188	3.8	18.8
2 21	9 27.45	+ 6 27.1	1.212	2.188	5.6	18.9
3 2	9 18.72	+ 7 5.0	1.243	2.189	10.3	19.1
3 12	9 12.45	+ 7 40.7	1.296	2.190	14.8	19.4
3 22	9 9.31	+ 8 9.4	1.369	2.191	18.7	19.6

29849 1999 FJ_{25} 2 11.4 29°.67 4°.9/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.10	+27 16.8	2.105	2.969	10.8	18.7
1 22	9 54.17	+28 14.6	2.047	2.971	7.9	18.5
2 1	9 46.32	+29 8.5	2.015	2.973	5.4	18.3
2 11	9 37.41	+29 51.7	2.012	2.975	5.1	18.3
2 21	9 28.46	+30 19.1	2.038	2.977	7.2	18.4
3 2	9 20.50	+30 28.1	2.090	2.979	10.0	18.6
3 12	9 14.39	+30 18.7	2.166	2.981	12.8	18.8
3 22	9 10.63	+29 53.3	2.261	2.984	15.2	19.0

286525 2002 CE_{72} 2 11.4 47°.52 0°.3/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 2.32	+13 1.5	1.220	2.090	16.5	20.4
1 22	9 56.34	+13 30.7	1.173	2.104	11.6	20.2
2 1	9 47.63	+14 11.8	1.148	2.119	6.0	19.9
2 11	9 37.47	+14 57.4	1.148	2.135	0.4	19.5
2 21	9 27.42	+15 39.5	1.175	2.151	5.6	20.0
3 2	9 18.99	+16 11.6	1.226	2.168	10.9	20.3
3 12	9 13.33	+16 30.2	1.300	2.184	15.5	20.6
3 22	9 10.90	+16 34.3	1.393	2.202	19.1	20.9

350305 2012 UD_{42} 2 11.4 7°.22 4°.2/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 55.88	− 0 47.5	2.236	3.038	12.5	20.8
1 22	9 51.06	− 0 42.5	2.156	3.039	9.8	20.6
2 1	9 44.66	− 0 20.1	2.101	3.039	6.8	20.4
2 11	9 37.35	+ 0 18.0	2.073	3.039	4.5	20.3
2 21	9 29.91	+ 1 8.4	2.073	3.040	4.7	20.3
3 2	9 23.16	+ 2 6.1	2.102	3.041	7.2	20.5
3 12	9 17.84	+ 3 5.7	2.158	3.042	10.2	20.6
3 22	9 14.42	+ 4 2.2	2.237	3.043	12.9	20.8

258447 2001 XD_{251} 2 11.4 59°.63 1°.4/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.62	+15 21.5	1.702	2.565	13.0	20.5
1 22	9 54.02	+16 11.8	1.643	2.572	9.0	20.2
2 1	9 46.31	+17 9.8	1.609	2.580	4.6	20.0
2 11	9 37.43	+18 8.6	1.602	2.588	1.5	19.8
2 21	9 28.48	+19 1.3	1.624	2.595	5.2	20.1
3 2	9 20.64	+19 42.5	1.673	2.603	9.4	20.3
3 12	9 14.84	+20 9.3	1.747	2.611	13.2	20.6
3 22	9 11.60	+20 20.9	1.841	2.619	16.3	20.8

335989 2007 TW_{275} 2 11.4 193°.49 3°.1/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.86	+23 2.4	2.350	3.208	10.0	20.7
1 22	9 54.51	+23 37.3	2.282	3.207	7.1	20.5
2 1	9 46.45	+24 11.4	2.241	3.206	4.2	20.4
2 11	9 37.43	+24 39.5	2.229	3.205	3.2	20.3
2 21	9 28.35	+24 57.4	2.248	3.204	5.4	20.4
3 2	9 20.13	+25 2.7	2.295	3.202	8.4	20.6
3 12	9 13.54	+24 54.9	2.367	3.200	11.3	20.8
3 22	9 9.06	+24 34.8	2.461	3.198	13.7	21.0

351644 2005 YS_{78} 2 11.4 119°.63 3°.7/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.41	+20 21.6	1.593	2.459	13.5	21.0
1 22	9 57.49	+21 40.0	1.544	2.474	9.4	20.8
2 1	9 48.16	+23 1.0	1.520	2.488	5.4	20.6
2 11	9 37.51	+24 14.9	1.524	2.502	3.9	20.6
2 21	9 26.89	+25 13.6	1.557	2.516	7.0	20.8
3 2	9 17.63	+25 52.1	1.617	2.529	11.0	21.0
3 12	9 10.78	+26 9.5	1.700	2.541	14.6	21.3
3 22	9 6.87	+26 7.8	1.802	2.553	17.6	21.5

417038 2005 UD_{115} 2 11.4 97°.64 1°.3/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.27	+ 9 41.8	2.063	2.896	12.3	21.5
1 22	9 56.77	+ 9 43.9	2.011	2.922	8.8	21.3
2 1	9 47.55	+ 9 55.1	1.985	2.948	4.9	21.2
2 11	9 37.49	+10 12.2	1.989	2.974	1.4	20.9
2 21	9 27.55	+10 31.4	2.023	2.999	3.8	21.2
3 2	9 18.71	+10 49.2	2.087	3.023	7.5	21.4
3 12	9 11.72	+11 2.9	2.178	3.047	10.8	21.7
3 22	9 6.99	+11 10.5	2.292	3.070	13.5	21.9

501395 2013 YE_{83} 2 11.4 197°.48 2°.5/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.68	+ 4 20.2	2.663	3.477	10.4	20.9
1 22	9 52.11	+ 4 19.4	2.580	3.475	7.8	20.7
2 1	9 45.15	+ 4 29.6	2.522	3.473	5.0	20.5
2 11	9 37.39	+ 4 49.0	2.494	3.471	2.7	20.4
2 21	9 29.51	+ 5 15.0	2.496	3.468	3.5	20.4
3 2	9 22.23	+ 5 44.4	2.528	3.465	6.2	20.6
3 12	9 16.20	+ 6 13.7	2.588	3.462	9.1	20.8
3 22	9 11.86	+ 6 40.1	2.672	3.459	11.5	20.9

264737 2002 CG_{168} 2 11.5 35°.09 7°.7/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.12	+34 13.4	1.280	2.133	17.0	18.8
1 22	10 9.07	+33 46.7	1.244	2.158	12.8	18.6
2 1	9 53.94	+32 59.9	1.233	2.183	9.1	18.5
2 11	9 37.75	+31 46.5	1.248	2.209	7.7	18.5
2 21	9 22.70	+30 7.6	1.291	2.236	9.8	18.6
3 2	9 10.54	+28 9.8	1.361	2.264	13.4	18.9
3 12	9 2.22	+26 2.1	1.455	2.292	16.8	19.2
3 22	8 57.87	+23 52.4	1.568	2.321	19.7	19.5

412520 2014 MW_{20} 2 11.5 248°.18 0°.1/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.03	+12 54.7	1.734	2.582	13.5	21.3
1 22	9 58.06	+13 5.6	1.644	2.566	9.7	21.1
2 1	9 48.61	+13 25.2	1.580	2.549	5.2	20.8
2 11	9 37.56	+13 49.3	1.544	2.531	0.3	20.3
2 21	9 26.10	+14 12.8	1.538	2.513	4.8	20.6
3 2	9 15.60	+14 30.9	1.559	2.494	9.6	20.9
3 12	9 7.23	+14 40.5	1.606	2.474	13.9	21.1
3 22	9 1.69	+14 40.0	1.673	2.454	17.6	21.3

119962 2002 TM_{60} 2 11.5 269°.57 18°.7/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 16.44	+51 2.9	1.156	1.989	19.9	18.7
1 22	10 8.67	+53 47.9	1.125	1.980	18.8	18.6
2 1	9 55.12	+55 57.0	1.114	1.971	18.8	18.6
2 11	9 37.84	+57 10.6	1.121	1.963	20.0	18.6
2 21	9 20.29	+57 19.3	1.145	1.954	21.9	18.7
3 2	9 6.09	+56 26.5	1.184	1.945	24.2	18.8
3 12	8 57.52	+54 45.1	1.235	1.936	26.4	19.0
3 22	8 54.99	+52 29.7	1.297	1.927	28.3	19.1

425416 2010 CV_{161} 2 11.5 295°.76 1°.2/10.6 17

1 12	10 0.66	+17 0.1	2.095	2.951	11.2	20.7
1 22	9 54.53	+17 14.9	2.020	2.945	7.8	20.5
2 1	9 46.54	+17 33.4	1.970	2.940	4.1	20.3
2 11	9 37.48	+17 51.4	1.950	2.935	1.2	20.1
2 21	9 28.29	+18 4.8	1.959	2.930	4.4	20.3
3 2	9 19.99	+18 10.5	1.996	2.925	8.2	20.5
3 12	9 13.41	+18 6.9	2.060	2.920	11.6	20.7
3 22	9 9.09	+17 53.6	2.145	2.915	14.5	20.9

414815 2010 TX_{126} 2 11.5 201°.78 0°.8/10.8 18

1 12	10 1.23	+13 56.6	2.068	2.917	11.6	21.9
1 22	9 54.98	+14 41.8	1.990	2.913	8.1	21.7
2 1	9 46.82	+15 35.0	1.939	2.909	4.2	21.4
2 11	9 37.49	+16 30.9	1.917	2.904	0.8	21.2
2 21	9 27.98	+17 23.7	1.926	2.898	4.4	21.4
3 2	9 19.30	+18 8.3	1.963	2.892	8.4	21.6
3 12	9 12.34	+18 41.4	2.027	2.885	11.9	21.9
3 22	9 7.68	+19 1.8	2.112	2.877	14.9	22.0

399591 2003 UY_{67} 2 11.5 103°.79 2°.5/ 9.6 18

1 12	10 3.00	+17 51.2	1.711	2.573	13.0	21.5
1 22	9 56.32	+18 56.7	1.663	2.592	9.0	21.3
2 1	9 47.49	+20 6.7	1.640	2.610	4.8	21.1
2 11	9 37.52	+21 13.2	1.646	2.628	2.6	21.0
2 21	9 27.61	+22 8.9	1.681	2.646	5.8	21.2
3 2	9 18.95	+22 49.0	1.743	2.663	9.8	21.5
3 12	9 12.47	+23 11.8	1.830	2.680	13.4	21.7
3 22	9 8.65	+23 18.1	1.937	2.696	16.2	22.0

14188 1998 XP_{11} 2 11.5 307°.52 1°.6/12.6 18

1 12	9 59.68	+ 8 58.1	2.074	2.912	12.0	18.1
1 22	9 53.84	+ 8 54.7	1.995	2.908	8.7	17.9
2 1	9 46.18	+ 9 1.1	1.941	2.904	5.0	17.7
2 11	9 37.47	+ 9 15.0	1.916	2.901	1.7	17.4
2 21	9 28.61	+ 9 32.8	1.921	2.897	3.8	17.6
3 2	9 20.57	+ 9 50.9	1.954	2.893	7.6	17.8
3 12	9 14.19	+10 6.1	2.013	2.890	11.1	18.0
3 22	9 9.98	+10 15.7	2.095	2.886	14.1	18.2

211554 2003 SB_{56} 2 11.5 87°.72 3°.5/14.0 18

1 12	10 0.94	+ 2 59.0	1.584	2.413	15.5	20.5
1 22	9 54.98	+ 3 15.6	1.525	2.429	11.6	20.3
2 1	9 46.84	+ 3 52.3	1.489	2.444	7.4	20.0
2 11	9 37.52	+ 4 45.2	1.480	2.459	3.8	19.9
2 21	9 28.17	+ 5 48.2	1.499	2.473	5.0	20.0
3 2	9 20.01	+ 6 53.8	1.545	2.488	8.9	20.2
3 12	9 13.98	+ 7 55.2	1.616	2.502	12.8	20.5
3 22	9 10.60	+ 8 47.3	1.708	2.516	16.1	20.7

263769 2008 KN_{25} 2 11.5 31°.33 8°.8/ 4.7 18

1 12	10 1.46	+31 56.7	1.415	2.291	14.2	20.2
1 22	9 55.89	+33 47.4	1.378	2.300	11.1	20.0
2 1	9 47.50	+35 27.4	1.364	2.309	9.0	19.9
2 11	9 37.55	+36 44.0	1.376	2.319	9.3	19.9
2 21	9 27.61	+37 29.2	1.413	2.330	11.7	20.1
3 2	9 19.29	+37 40.5	1.472	2.341	14.8	20.3
3 12	9 13.76	+37 21.1	1.551	2.352	17.7	20.5
3 22	9 11.53	+36 36.9	1.646	2.364	20.2	20.8

64770 2001 XQ_{179} 2 11.5 168°.89 0°.1/11.6 18

1 12	10 3.01	+11 31.3	1.982	2.824	12.3	20.7
1 22	9 56.22	+12 9.3	1.911	2.829	8.7	20.5
2 1	9 47.46	+12 57.2	1.866	2.834	4.6	20.2
2 11	9 37.56	+13 49.9	1.851	2.837	0.3	19.9
2 21	9 27.53	+14 41.6	1.866	2.840	4.1	20.2
3 2	9 18.46	+15 27.0	1.910	2.842	8.3	20.4
3 12	9 11.24	+16 2.7	1.981	2.844	11.9	20.7
3 22	9 6.40	+16 26.8	2.073	2.844	14.9	20.9

407966 2012 DO_{25} 2 11.5 14°.51 0°.1/11.4 18

1 12	9 54.45	+10 43.3	1.045	1.928	17.5	19.5
1 22	9 51.17	+11 39.6	0.998	1.935	12.4	19.3
2 1	9 45.09	+12 54.9	0.972	1.944	6.5	19.0
2 11	9 37.44	+14 19.6	0.968	1.955	0.3	18.6
2 21	9 29.77	+15 41.9	0.989	1.968	5.9	19.0
3 2	9 23.65	+16 51.4	1.034	1.982	11.6	19.4
3 12	9 20.24	+17 41.5	1.099	1.998	16.4	19.7
3 22	9 20.07	+18 9.9	1.182	2.015	20.4	20.0

200111 1995 UO_{56} 2 11.5 194°.98 1°.2/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 3.17	+14 20.5	1.603	2.461	13.9	21.5
1 22	9 56.77	+15 11.1	1.532	2.459	9.8	21.2
2 1	9 47.91	+16 11.8	1.487	2.458	5.1	20.9
2 11	9 37.58	+17 15.2	1.469	2.455	1.2	20.7
2 21	9 27.03	+18 13.6	1.480	2.452	5.4	20.9
3 2	9 17.62	+19 0.5	1.519	2.449	10.1	21.2
3 12	9 10.47	+19 32.2	1.581	2.445	14.3	21.4
3 22	9 6.22	+19 47.9	1.663	2.441	17.8	21.7

384806 2012 QD_{36} 2 11.5 37°.77 5°.2/ 8.2 18

1 12	10 7.07	+30 10.0	2.089	2.942	11.3	20.1
1 22	9 58.96	+30 25.0	2.030	2.946	8.4	20.0
2 1	9 48.81	+30 31.6	1.997	2.950	5.9	19.8
2 11	9 37.62	+30 24.2	1.993	2.954	5.3	19.8
2 21	9 26.56	+29 59.6	2.019	2.959	7.2	19.9
3 2	9 16.79	+29 17.7	2.072	2.963	10.1	20.1
3 12	9 9.17	+28 20.8	2.151	2.968	12.9	20.3
3 22	9 4.18	+27 12.6	2.251	2.973	15.3	20.5

289080 2004 TA_{238} 2 11.5 215°.64 4°.4/ 7.6 17

1 12	10 2.47	+26 38.1	2.330	3.187	10.2	21.0
1 22	9 55.79	+27 31.9	2.259	3.180	7.4	20.8
2 1	9 47.22	+28 22.9	2.215	3.173	5.0	20.7
2 11	9 37.55	+29 4.5	2.200	3.165	4.5	20.6
2 21	9 27.74	+29 32.0	2.215	3.156	6.6	20.7
3 2	9 18.79	+29 42.6	2.258	3.147	9.4	20.9
3 12	9 11.56	+29 36.0	2.326	3.137	12.2	21.0
3 22	9 6.60	+29 14.3	2.415	3.127	14.6	21.2

420733 2012 SU_{34} 2 11.5 321°.26 6°.0/ 7.3 18

1 12	10 5.23	+31 30.7	2.023	2.880	11.5	20.0
1 22	9 57.89	+32 2.5	1.958	2.873	8.7	19.8
2 1	9 48.35	+32 25.5	1.919	2.868	6.5	19.7
2 11	9 37.60	+32 33.1	1.908	2.862	6.2	19.7
2 21	9 26.85	+32 21.0	1.925	2.856	8.1	19.8
3 2	9 17.30	+31 48.4	1.969	2.851	10.9	19.9
3 12	9 9.93	+30 57.5	2.036	2.846	13.7	20.1
3 22	9 5.26	+29 52.0	2.124	2.841	16.2	20.3

50834 2000 FV_{40} 2 11.5 272°.99 3°.7/ 8.1 18

1 12	9 59.11	+23 22.4	2.142	3.006	10.6	18.7
1 22	9 53.52	+24 22.7	2.073	3.001	7.5	18.5
2 1	9 46.06	+25 23.1	2.031	2.995	4.7	18.3
2 11	9 37.50	+26 17.1	2.017	2.990	3.9	18.3
2 21	9 28.79	+26 58.9	2.033	2.984	6.3	18.4
3 2	9 20.94	+27 24.7	2.076	2.979	9.4	18.6
3 12	9 14.81	+27 33.6	2.144	2.973	12.4	18.8
3 22	9 10.94	+27 26.5	2.232	2.968	15.0	18.9

500301 2012 QW_{28} 2 11.5 99°.71 0°.8/12.1 17

1 12	10 0.55	+11 17.0	2.262	3.102	11.1	21.2
1 22	9 54.25	+11 15.9	2.193	3.109	7.9	21.0
2 1	9 46.33	+11 22.1	2.150	3.116	4.3	20.8
2 11	9 37.52	+11 32.7	2.137	3.122	0.9	20.6
2 21	9 28.68	+11 44.5	2.153	3.129	3.5	20.8
3 2	9 20.68	+11 54.7	2.200	3.136	7.1	21.0
3 12	9 14.25	+12 0.7	2.273	3.142	10.3	21.2
3 22	9 9.86	+12 1.1	2.369	3.149	13.0	21.4

285634 2000 RJ_{89} 2 11.5 236°.13 3°.0/13.4 18

1 12	10 2.53	+ 5 23.9	1.722	2.553	14.4	20.6
1 22	9 56.25	+ 5 23.2	1.637	2.544	10.8	20.4
2 1	9 47.65	+ 5 38.5	1.576	2.533	6.7	20.1
2 11	9 37.59	+ 6 7.3	1.542	2.523	3.2	19.9
2 21	9 27.21	+ 6 45.2	1.537	2.512	4.8	19.9
3 2	9 17.75	+ 7 26.7	1.560	2.500	9.1	20.2
3 12	9 10.30	+ 8 6.1	1.607	2.488	13.2	20.4
3 22	9 5.53	+ 8 39.1	1.676	2.476	16.8	20.6

386540 2009 CN_{58} 2 11.5 323°.80 5°.3/ 7.5 17

1 12	10 3.80	+30 18.7	2.165	3.022	10.8	20.1
1 22	9 56.77	+30 48.0	2.099	3.016	8.1	19.9
2 1	9 47.73	+31 9.9	2.059	3.010	5.9	19.7
2 11	9 37.59	+31 18.6	2.047	3.005	5.5	19.7
2 21	9 27.43	+31 10.1	2.064	3.000	7.4	19.8
3 2	9 18.36	+30 43.2	2.109	2.995	10.1	20.0
3 12	9 11.26	+29 59.6	2.177	2.990	12.9	20.1
3 22	9 6.63	+29 2.3	2.267	2.985	15.3	20.3

455553 2004 LD_{1} 2 11.5 195°.03 5°.1/ 6.1 16

1 12	10 2.44	+29 28.8	2.506	3.360	9.6	21.9
1 22	9 55.73	+30 45.1	2.442	3.357	7.2	21.7
2 1	9 47.19	+31 57.0	2.406	3.354	5.4	21.6
2 11	9 37.57	+32 57.5	2.399	3.349	5.4	21.6
2 21	9 27.79	+33 41.5	2.423	3.344	7.2	21.7
3 2	9 18.83	+34 6.1	2.474	3.339	9.7	21.8
3 12	9 11.52	+34 11.5	2.549	3.332	12.1	22.0
3 22	9 6.40	+33 59.7	2.645	3.325	14.1	22.1

36284 2000 DM_8 2 11.5 276°.16 2°.7/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 55.03	+22 17.4	1.160	1.966	21.5	17.7
1 22	10 38.10	+21 40.4	1.018	1.916	16.6	17.2
2 1	10 12.54	+20 45.0	0.902	1.862	9.7	16.7
2 11	9 38.86	+19 10.9	0.820	1.805	2.7	16.0
2 21	9 0.58	+16 44.2	0.779	1.744	10.5	16.2
3 2	8 23.71	+13 34.0	0.778	1.679	20.8	16.5
3 12	7 53.42	+10 8.2	0.810	1.610	29.9	16.8
3 22	7 31.63	+ 6 51.3	0.863	1.537	37.2	17.0

234077 1999 SH_{26} 2 11.5 150°.34 3°.2/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.89	+23 36.8	2.687	3.541	9.1	21.3
1 22	9 54.37	+24 34.5	2.629	3.552	6.4	21.1
2 1	9 46.36	+25 31.2	2.600	3.563	4.0	21.0
2 11	9 37.53	+26 21.4	2.602	3.573	3.3	21.0
2 21	9 28.67	+27 0.9	2.634	3.582	5.2	21.1
3 2	9 20.58	+27 27.1	2.696	3.590	7.8	21.3
3 12	9 13.94	+27 39.2	2.783	3.598	10.3	21.5
3 22	9 9.19	+27 38.0	2.893	3.606	12.4	21.6

264209 2010 PD_5 2 11.5 123°.85 4°.2/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.73	+23 56.6	2.115	2.974	10.9	21.2
1 22	9 55.94	+25 20.7	2.068	2.993	7.8	21.0
2 1	9 47.27	+26 43.3	2.049	3.011	4.9	20.9
2 11	9 37.57	+27 56.6	2.060	3.028	4.4	20.9
2 21	9 27.88	+28 54.4	2.101	3.045	6.7	21.0
3 2	9 19.23	+29 33.1	2.170	3.061	9.7	21.2
3 12	9 12.46	+29 52.4	2.263	3.076	12.4	21.5
3 22	9 8.05	+29 54.1	2.377	3.090	14.7	21.7

76624 2000 GW_{178} 2 11.5 127°.42 2°.7/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.44	+20 53.0	2.503	3.361	9.5	19.1
1 22	9 52.75	+21 58.9	2.445	3.372	6.6	18.9
2 1	9 45.54	+23 6.0	2.416	3.383	3.8	18.7
2 11	9 37.50	+24 8.7	2.417	3.394	2.8	18.7
2 21	9 29.41	+25 2.0	2.449	3.404	5.1	18.8
3 2	9 22.08	+25 42.3	2.509	3.414	7.9	19.0
3 12	9 16.21	+26 8.2	2.596	3.424	10.6	19.2
3 22	9 12.23	+26 19.9	2.704	3.433	12.8	19.4

95094 2002 AM_{102} 2 11.5 192°.63 0°.8/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.47	+15 18.8	2.037	2.889	11.6	20.3
1 22	9 55.14	+15 42.4	1.964	2.889	8.1	20.0
2 1	9 46.90	+16 11.8	1.918	2.887	4.2	19.8
2 11	9 37.57	+16 42.2	1.900	2.886	0.8	19.5
2 21	9 28.12	+17 8.9	1.912	2.885	4.4	19.8
3 2	9 19.58	+17 28.3	1.953	2.883	8.3	20.0
3 12	9 12.83	+17 38.0	2.019	2.881	11.8	20.2
3 22	9 8.38	+17 37.2	2.108	2.878	14.7	20.4

503549 2016 FL_{41} 2 11.5 265°.59 3°.8/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.56	+ 0 44.8	2.205	3.011	12.6	21.7
1 22	9 53.17	+ 0 55.3	2.100	2.988	9.7	21.4
2 1	9 45.95	+ 1 23.1	2.020	2.964	6.6	21.2
2 11	9 37.53	+ 2 6.8	1.968	2.940	4.1	21.0
2 21	9 28.74	+ 3 2.8	1.945	2.915	4.6	21.0
3 2	9 20.52	+ 4 6.3	1.952	2.890	7.7	21.1
3 12	9 13.75	+ 5 11.1	1.985	2.865	11.1	21.3
3 22	9 9.03	+ 6 12.1	2.042	2.839	14.3	21.4

266634 2008 RH_{82} 2 11.5 318°.78 0°.6/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.35	+15 59.3	1.773	2.629	12.9	19.6
1 22	9 56.70	+15 54.8	1.696	2.622	9.1	19.4
2 1	9 47.82	+15 54.6	1.645	2.615	4.8	19.1
2 11	9 37.61	+15 54.8	1.622	2.609	0.6	18.7
2 21	9 27.25	+15 51.5	1.628	2.602	4.7	19.0
3 2	9 17.97	+15 41.9	1.662	2.596	9.1	19.3
3 12	9 10.76	+15 24.5	1.721	2.590	13.1	19.5
3 22	9 6.23	+14 59.2	1.800	2.585	16.4	19.7

380939 2006 JV_{36} 2 11.5 143°.87 0°.4/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.00	+ 9 42.6	2.370	3.209	10.7	21.5
1 22	9 51.80	+10 37.2	2.298	3.215	7.6	21.3
2 1	9 45.07	+11 42.2	2.254	3.221	4.1	21.1
2 11	9 37.49	+12 52.9	2.239	3.226	0.5	20.8
2 21	9 29.80	+14 3.9	2.255	3.231	3.4	21.0
3 2	9 22.81	+15 9.9	2.302	3.236	7.0	21.3
3 12	9 17.22	+16 7.0	2.375	3.240	10.1	21.5
3 22	9 13.49	+16 52.6	2.471	3.245	12.7	21.7

456977 2008 BN_{21} 2 11.5 59°.62 0°.3/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.60	+10 22.1	1.415	2.273	15.4	20.9
1 22	9 55.49	+11 10.6	1.375	2.300	10.8	20.7
2 1	9 47.10	+12 12.7	1.358	2.327	5.7	20.5
2 11	9 37.57	+13 20.6	1.368	2.354	0.5	20.1
2 21	9 28.23	+14 26.2	1.405	2.382	4.8	20.5
3 2	9 20.33	+15 22.5	1.469	2.409	9.6	20.9
3 12	9 14.82	+16 5.0	1.557	2.436	13.7	21.2
3 22	9 12.12	+16 32.3	1.666	2.463	16.9	21.5

418329 2008 GC_3 2 11.5 306°.49 5°.6/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 59.04	+23 46.0	1.573	2.450	13.0	20.5
1 22	9 54.14	+25 37.1	1.505	2.438	9.4	20.2
2 1	9 46.68	+27 31.6	1.463	2.426	6.3	20.0
2 11	9 37.57	+29 17.5	1.448	2.414	6.0	20.0
2 21	9 28.09	+30 44.1	1.460	2.403	9.1	20.1
3 2	9 19.68	+31 44.4	1.497	2.392	12.9	20.3
3 12	9 13.56	+32 16.4	1.556	2.381	16.5	20.5
3 22	9 10.47	+32 22.1	1.632	2.371	19.6	20.7

310623 2002 AP_{129} 2 11.5 91°.47 5°.8/13.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.46	+ 6 36.9	1.025	1.867	21.1	20.1
1 22	10 8.00	+ 5 1.5	0.977	1.887	15.9	19.9
2 1	9 53.90	+ 3 43.0	0.951	1.907	10.1	19.6
2 11	9 37.90	+ 2 43.9	0.949	1.926	5.9	19.5
2 21	9 22.24	+ 2 4.0	0.974	1.945	7.9	19.6
3 2	9 9.04	+ 1 40.4	1.025	1.963	12.9	20.0
3 12	8 59.70	+ 1 27.2	1.098	1.981	17.7	20.3
3 22	8 54.68	+ 1 18.7	1.188	1.998	21.7	20.6

90961 1997 WY_{17} 2 11.5 108°.03 4°.0/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.94	+22 8.7	1.542	2.409	13.9	19.7
1 22	9 58.64	+22 58.8	1.491	2.421	9.8	19.5
2 1	9 48.83	+23 48.6	1.465	2.433	5.7	19.3
2 11	9 37.67	+24 29.8	1.467	2.444	4.1	19.2
2 21	9 26.59	+24 55.8	1.496	2.456	7.1	19.5
3 2	9 16.99	+25 3.1	1.552	2.467	11.2	19.7
3 12	9 9.94	+24 52.1	1.631	2.477	14.9	20.0
3 22	9 5.96	+24 25.3	1.729	2.488	17.9	20.2

229203 2004 VA_8 2 11.5 99°.87 0°.4/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.37	+13 3.6	1.994	2.846	11.8	21.0
1 22	9 53.63	+13 42.2	1.931	2.855	8.3	20.8
2 1	9 46.09	+14 29.1	1.894	2.864	4.3	20.6
2 11	9 37.55	+15 19.1	1.886	2.873	0.4	20.3
2 21	9 28.96	+16 6.6	1.907	2.881	4.1	20.6
3 2	9 21.29	+16 46.9	1.957	2.890	8.1	20.8
3 12	9 15.37	+17 17.0	2.032	2.898	11.5	21.1
3 22	9 11.68	+17 35.2	2.130	2.907	14.4	21.3

306710 2000 WE_{21} 2 11.5 0°.61 3°.4/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.18	+18 22.7	1.204	2.087	15.7	20.6
1 22	9 54.48	+19 26.4	1.146	2.085	11.0	20.3
2 1	9 46.90	+20 37.8	1.111	2.084	6.0	20.0
2 11	9 37.59	+21 46.4	1.101	2.083	3.5	19.8
2 21	9 28.12	+22 42.0	1.116	2.084	7.6	20.1
3 2	9 20.12	+23 17.6	1.155	2.086	12.6	20.4
3 12	9 14.89	+23 30.5	1.215	2.088	17.1	20.6
3 22	9 13.03	+23 22.0	1.292	2.092	20.8	20.9

63442 2001 NO_6 2 11.5 123°.95 12°.5/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.72	−23 48.8	2.174	2.813	17.4	18.6
1 22	9 56.09	−25 10.6	2.107	2.826	15.8	18.5
2 1	9 47.46	−26 2.8	2.057	2.838	14.3	18.4
2 11	9 37.63	−26 21.4	2.028	2.850	13.1	18.4
2 21	9 27.58	−26 5.6	2.022	2.861	12.5	18.4
3 2	9 18.38	−25 18.4	2.039	2.872	12.7	18.4
3 12	9 10.96	−24 6.8	2.078	2.882	13.7	18.5
3 22	9 5.90	−22 39.7	2.138	2.892	15.1	18.6

397890 2008 UX_{202} 2 11.5 193°.04 2°.3/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.77	+17 32.1	1.940	2.795	12.0	22.9
1 22	9 56.94	+18 39.1	1.867	2.793	8.4	22.7
2 1	9 47.95	+19 52.1	1.821	2.790	4.5	22.4
2 11	9 37.66	+21 3.8	1.804	2.786	2.4	22.3
2 21	9 27.14	+22 6.8	1.817	2.782	5.6	22.5
3 2	9 17.57	+22 55.8	1.860	2.776	9.5	22.7
3 12	9 9.94	+23 28.0	1.927	2.770	13.1	22.9
3 22	9 4.87	+23 43.5	2.016	2.762	16.1	23.1

332885 2011 AN_{53} 2 11.5 43°.31 2°.4/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.21	+17 31.8	1.680	2.547	12.8	20.5
1 22	9 53.84	+18 34.6	1.622	2.554	8.9	20.3
2 1	9 46.32	+19 43.4	1.589	2.560	4.7	20.1
2 11	9 37.57	+20 50.3	1.584	2.567	2.5	19.9
2 21	9 28.76	+21 48.0	1.607	2.574	5.8	20.1
3 2	9 21.06	+22 30.9	1.657	2.581	9.9	20.4
3 12	9 15.42	+22 56.4	1.731	2.588	13.6	20.6
3 22	9 12.39	+23 4.8	1.824	2.596	16.7	20.9

488390 2016 WH_{48} 2 11.5 83°.88 18°.9/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 15.86	+49 56.5	1.070	1.912	20.5	20.7
1 22	10 7.97	+53 5.2	1.064	1.925	19.1	20.6
2 1	9 54.56	+55 30.6	1.076	1.939	19.0	20.7
2 11	9 37.96	+56 54.7	1.108	1.952	20.0	20.8
2 21	9 21.69	+57 12.3	1.157	1.966	21.7	20.9
3 2	9 9.06	+56 30.1	1.220	1.979	23.7	21.1
3 12	9 1.94	+55 2.4	1.296	1.992	25.5	21.3
3 22	9 0.45	+53 3.8	1.381	2.005	27.0	21.5

21494 1998 JE_2 2 11.5 320°.23 0°.1/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 58.78	+11 37.0	1.358	2.225	15.4	17.9
1 22	9 54.08	+12 18.1	1.282	2.212	11.0	17.6
2 1	9 46.70	+13 14.8	1.229	2.200	5.8	17.3
2 11	9 37.62	+14 20.4	1.202	2.188	0.3	16.9
2 21	9 28.16	+15 26.2	1.200	2.177	5.5	17.2
3 2	9 19.83	+16 23.8	1.225	2.167	10.9	17.5
3 12	9 13.91	+17 7.2	1.272	2.157	15.7	17.7
3 22	9 11.13	+17 33.6	1.337	2.147	19.7	18.0

145449 2005 RN_{27} 2 11.5 68°.30 1°.5/12.4 18

1 12	10 2.29	+ 9 42.8	1.747	2.591	13.6	19.5
1 22	9 55.86	+ 9 37.4	1.681	2.598	9.8	19.2
2 1	9 47.34	+ 9 42.8	1.640	2.604	5.6	19.0
2 11	9 37.64	+ 9 55.7	1.626	2.611	1.7	18.8
2 21	9 27.89	+10 12.2	1.641	2.617	4.3	18.9
3 2	9 19.23	+10 28.2	1.683	2.624	8.5	19.2
3 12	9 12.60	+10 40.2	1.752	2.630	12.4	19.5
3 22	9 8.52	+10 45.7	1.841	2.637	15.6	19.7

411377 2010 VP_{57} 2 11.5 75°.34 3°.9/ 8.7 18

1 12	10 2.91	+21 46.7	1.645	2.512	13.1	20.9
1 22	9 56.35	+22 53.1	1.603	2.533	9.1	20.8
2 1	9 47.57	+23 59.5	1.587	2.554	5.3	20.6
2 11	9 37.65	+24 57.4	1.598	2.575	4.0	20.5
2 21	9 27.87	+25 40.2	1.638	2.595	6.9	20.8
3 2	9 19.44	+26 4.1	1.705	2.616	10.6	21.0
3 12	9 13.31	+26 8.8	1.794	2.636	13.9	21.3
3 22	9 9.92	+25 56.6	1.904	2.656	16.7	21.5

3566 Levitan 2 11.5 14°.67 1°.1/12.1 18

1 12	10 0.72	+10 34.4	1.196	2.064	16.9	15.9
1 22	9 55.46	+10 42.8	1.138	2.067	12.1	15.6
2 1	9 47.37	+11 6.6	1.101	2.070	6.7	15.3
2 11	9 37.65	+11 40.1	1.088	2.074	1.3	15.0
2 21	9 27.82	+12 16.3	1.101	2.079	5.4	15.2
3 2	9 19.48	+12 48.4	1.138	2.085	10.9	15.6
3 12	9 13.86	+13 11.0	1.198	2.092	15.7	15.9
3 22	9 11.55	+13 21.4	1.276	2.099	19.7	16.1

429128 2009 SC_{339} 2 11.5 102°.92 7°.2/17.6 18

1 12	9 58.72	− 8 5.2	1.999	2.764	15.1	20.9
1 22	9 53.21	− 8 22.5	1.927	2.774	12.5	20.8
2 1	9 45.91	− 8 15.9	1.878	2.784	9.7	20.6
2 11	9 37.59	− 7 45.3	1.854	2.793	7.6	20.5
2 21	9 29.15	− 6 53.6	1.857	2.802	7.3	20.5
3 2	9 21.56	− 5 46.3	1.887	2.811	8.9	20.6
3 12	9 15.65	− 4 30.7	1.943	2.820	11.4	20.8
3 22	9 11.92	− 3 13.9	2.022	2.829	14.0	21.0

63134 2000 WU_{190} 2 11.5 48°.03 0°.5/11.9 18

1 12	9 59.20	+10 51.1	1.769	2.621	13.1	20.0
1 22	9 53.71	+11 20.0	1.704	2.626	9.3	19.8
2 1	9 46.23	+12 0.2	1.664	2.632	5.0	19.5
2 11	9 37.60	+12 46.6	1.651	2.637	0.6	19.2
2 21	9 28.89	+13 33.6	1.666	2.643	4.2	19.5
3 2	9 21.18	+14 15.6	1.710	2.649	8.5	19.8
3 12	9 15.39	+14 48.5	1.778	2.655	12.4	20.0
3 22	9 12.04	+15 10.2	1.868	2.661	15.5	20.2

523691 2014 DO_{143} 2 11.5 351°.73 0°.1/12.4 18

1 12	9 39.40	+11 14.4	41.918	42.751	0.7	22.1
1 22	9 38.73	+11 17.7	41.838	42.750	0.5	22.1
2 1	9 37.99	+11 21.3	41.786	42.750	0.3	22.0
2 11	9 37.22	+11 25.3	41.764	42.749	0.1	22.0
2 21	9 36.45	+11 29.3	41.773	42.749	0.2	22.0
3 2	9 35.71	+11 33.3	41.812	42.748	0.4	22.1
3 12	9 35.02	+11 37.2	41.880	42.748	0.7	22.1
3 22	9 34.41	+11 40.7	41.974	42.747	0.9	22.1

292373 2006 SE_{255} 2 11.5 164°.85 2°.9/ 8.4 18

1 12	9 59.05	+23 40.5	2.817	3.672	8.7	21.5
1 22	9 53.09	+24 26.7	2.753	3.676	6.1	21.3
2 1	9 45.73	+25 11.8	2.717	3.680	3.8	21.2
2 11	9 37.59	+25 51.3	2.711	3.683	3.1	21.1
2 21	9 29.39	+26 21.4	2.736	3.686	4.9	21.2
3 2	9 21.89	+26 39.6	2.790	3.689	7.5	21.4
3 12	9 15.72	+26 45.2	2.871	3.691	9.9	21.6
3 22	9 11.31	+26 38.8	2.973	3.693	11.9	21.7

309288 2007 RX_{208} 2 11.5 61°.60 2°.7/ 9.8 18

1 12	10 3.45	+18 7.9	1.361	2.233	15.0	20.9
1 22	9 57.02	+18 58.7	1.317	2.251	10.4	20.7
2 1	9 48.02	+19 54.2	1.297	2.268	5.5	20.5
2 11	9 37.69	+20 45.7	1.303	2.287	2.8	20.4
2 21	9 27.50	+21 25.5	1.337	2.305	6.5	20.6
3 2	9 18.89	+21 48.8	1.395	2.323	11.1	20.9
3 12	9 12.90	+21 54.4	1.477	2.342	15.1	21.2
3 22	9 10.01	+21 43.6	1.577	2.360	18.4	21.5

435980 2009 DE_{117} 2 11.5 275°.43 3°.5/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 2.09	+25 12.3	2.443	3.299	9.8	21.4
1 22	9 55.50	+25 38.7	2.358	3.281	7.1	21.2
2 1	9 47.11	+26 2.6	2.301	3.263	4.4	21.0
2 11	9 37.65	+26 19.0	2.274	3.245	3.6	20.9
2 21	9 28.02	+26 24.0	2.276	3.227	5.7	21.0
3 2	9 19.17	+26 15.5	2.307	3.209	8.7	21.1
3 12	9 11.93	+25 53.3	2.364	3.191	11.5	21.3
3 22	9 6.82	+25 18.8	2.443	3.173	14.0	21.4

184424 2005 ND_8 2 11.5 47°.40 2°.3/13.0 18

1 12	10 0.09	+ 6 52.3	1.642	2.484	14.4	20.3
1 22	9 54.47	+ 7 3.1	1.574	2.488	10.6	20.0
2 1	9 46.68	+ 7 29.4	1.530	2.492	6.3	19.8
2 11	9 37.63	+ 8 7.4	1.513	2.496	2.5	19.6
2 21	9 28.47	+ 8 51.8	1.524	2.501	4.5	19.7
3 2	9 20.38	+ 9 36.6	1.562	2.505	8.8	20.0
3 12	9 14.32	+10 16.3	1.625	2.510	12.8	20.2
3 22	9 10.88	+10 47.2	1.709	2.515	16.2	20.4

181053 2005 PH_9 2 11.5 221°.77 0°.0/11.5 16

1 12	10 0.24	+11 44.3	2.075	2.921	11.7	21.4
1 22	9 54.36	+12 24.9	1.993	2.913	8.3	21.2
2 1	9 46.58	+13 15.6	1.936	2.904	4.4	20.9
2 11	9 37.63	+14 11.6	1.908	2.895	0.2	20.6
2 21	9 28.46	+15 7.2	1.911	2.886	4.1	20.9
3 2	9 20.05	+15 57.0	1.943	2.876	8.1	21.1
3 12	9 13.31	+16 37.2	2.001	2.865	11.7	21.3
3 22	9 8.81	+17 5.6	2.080	2.854	14.8	21.5

375582 2008 UK_{370} 2 11.5 65°.94 6°.0/ 5.9 18

1 12	10 0.41	+28 59.1	1.953	2.819	11.4	20.1
1 22	9 54.53	+30 29.9	1.913	2.835	8.5	20.0
2 1	9 46.63	+31 54.6	1.900	2.851	6.3	19.9
2 11	9 37.63	+33 4.6	1.914	2.866	6.3	19.9
2 21	9 28.65	+33 53.8	1.957	2.882	8.4	20.0
3 2	9 20.80	+34 19.5	2.025	2.898	11.1	20.2
3 12	9 14.97	+34 22.6	2.117	2.914	13.7	20.4
3 22	9 11.64	+34 6.2	2.226	2.930	15.9	20.6

103465 2000 AB_{208} 2 11.5 341°.08 1°.3/10.7 18

1 12	9 58.44	+14 1.0	1.343	2.216	15.1	18.9
1 22	9 53.80	+14 53.1	1.275	2.209	10.6	18.6
2 1	9 46.53	+15 58.0	1.230	2.202	5.5	18.3
2 11	9 37.63	+17 7.7	1.210	2.196	1.3	18.0
2 21	9 28.47	+18 12.8	1.217	2.191	5.9	18.3
3 2	9 20.51	+19 5.4	1.249	2.187	11.1	18.6
3 12	9 15.00	+19 40.6	1.303	2.183	15.7	18.8
3 22	9 12.60	+19 57.1	1.376	2.180	19.6	19.1

359432 2010 MY_7 2 11.5 27°.03 3°.3/14.7 17

1 12	9 55.78	+ 1 29.9	2.612	3.418	10.8	20.4
1 22	9 50.85	+ 1 27.5	2.533	3.420	8.3	20.3
2 1	9 44.58	+ 1 38.1	2.479	3.421	5.6	20.1
2 11	9 37.54	+ 2 0.3	2.453	3.423	3.5	20.0
2 21	9 30.40	+ 2 31.5	2.457	3.425	3.9	20.0
3 2	9 23.87	+ 3 8.0	2.490	3.427	6.3	20.1
3 12	9 18.56	+ 3 46.1	2.550	3.429	9.0	20.3
3 22	9 14.89	+ 4 22.0	2.634	3.431	11.4	20.5

85682 1998 RJ_{29} 2 11.5 253°.01 3°.8/ 8.9 18

1 12	10 5.52	+21 1.5	1.620	2.484	13.4	19.9
1 22	9 58.73	+21 59.5	1.537	2.465	9.6	19.6
2 1	9 49.16	+23 1.5	1.478	2.446	5.5	19.3
2 11	9 37.77	+23 58.6	1.448	2.426	3.9	19.2
2 21	9 25.91	+24 42.5	1.446	2.406	7.3	19.3
3 2	9 15.12	+25 7.5	1.470	2.385	11.7	19.5
3 12	9 6.70	+25 12.0	1.518	2.363	15.9	19.7
3 22	9 1.46	+24 57.4	1.585	2.340	19.4	19.9

28798 2000 HJ_{69} 2 11.5 132°.79 3°.0/ 9.3 18

1 12	10 4.06	+21 31.6	1.962	2.821	11.7	18.7
1 22	9 56.98	+22 9.5	1.904	2.830	8.2	18.5
2 1	9 47.88	+22 47.6	1.872	2.840	4.7	18.3
2 11	9 37.70	+23 19.5	1.869	2.848	3.1	18.2
2 21	9 27.54	+23 40.5	1.896	2.857	5.8	18.4
3 2	9 18.50	+23 47.6	1.951	2.865	9.3	18.7
3 12	9 11.47	+23 40.3	2.031	2.872	12.6	18.9
3 22	9 6.94	+23 20.1	2.132	2.880	15.3	19.1

185657 1992 WL_6 2 11.5 182°.43 7°.3/ 4.7 18

1 12	10 4.14	+34 21.8	2.089	2.943	11.3	20.2
1 22	9 57.26	+35 46.3	2.037	2.943	9.0	20.1
2 1	9 48.14	+37 1.2	2.011	2.944	7.5	20.0
2 11	9 37.72	+37 57.8	2.013	2.943	7.7	20.0
2 21	9 27.20	+38 30.5	2.042	2.943	9.5	20.1
3 2	9 17.82	+38 37.3	2.096	2.942	11.9	20.3
3 12	9 10.58	+38 20.1	2.173	2.941	14.3	20.4
3 22	9 6.04	+37 43.0	2.268	2.939	16.4	20.6

412526 2014 MT_{37} 2 11.5 144°.14 1°.3/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 4.57	+16 32.7	1.837	2.691	12.6	21.3
1 22	9 57.43	+17 0.0	1.774	2.700	8.8	21.1
2 1	9 48.16	+17 32.1	1.738	2.707	4.6	20.9
2 11	9 37.72	+18 3.4	1.729	2.715	1.4	20.6
2 21	9 27.26	+18 28.7	1.751	2.722	4.9	20.9
3 2	9 17.94	+18 44.3	1.801	2.728	9.0	21.2
3 12	9 10.70	+18 48.5	1.876	2.734	12.7	21.4
3 22	9 6.06	+18 41.2	1.972	2.739	15.7	21.6

293136 2006 XM_{64} 2 11.5 90°.57 7°.7/ 5.4 18

1 12	10 7.48	+34 17.6	1.891	2.744	12.3	20.6
1 22	9 59.45	+35 44.7	1.866	2.773	9.6	20.5
2 1	9 49.16	+36 58.8	1.867	2.801	7.9	20.5
2 11	9 37.76	+37 51.0	1.896	2.829	8.0	20.5
2 21	9 26.62	+38 16.7	1.952	2.856	9.8	20.7
3 2	9 17.01	+38 15.5	2.034	2.882	12.2	20.9
3 12	9 9.86	+37 50.8	2.138	2.908	14.5	21.1
3 22	9 5.60	+37 7.6	2.259	2.934	16.4	21.3

117413 Ramonycajal 2 11.5 331°.74 1°.0/12.1 18

1 12	9 58.59	+ 9 48.4	1.300	2.165	16.0	19.4
1 22	9 54.00	+10 15.9	1.227	2.154	11.6	19.1
2 1	9 46.69	+11 0.9	1.175	2.144	6.4	18.8
2 11	9 37.67	+11 57.4	1.149	2.135	1.1	18.4
2 21	9 28.31	+12 57.6	1.148	2.127	5.3	18.7
3 2	9 20.12	+13 53.0	1.173	2.119	10.8	19.0
3 12	9 14.41	+14 37.1	1.220	2.112	15.7	19.2
3 22	9 11.89	+15 6.0	1.285	2.105	19.8	19.5

232367 2003 AZ_{1} 2 11.5 76°.86 2°.3/13.0 18

1 12	10 2.26	+ 5 48.3	1.314	2.162	17.0	20.3
1 22	9 56.22	+ 6 24.6	1.264	2.181	12.4	20.0
2 1	9 47.65	+ 7 21.6	1.236	2.199	7.2	19.8
2 11	9 37.71	+ 8 32.9	1.234	2.217	2.6	19.6
2 21	9 27.82	+ 9 49.7	1.258	2.236	5.0	19.8
3 2	9 19.40	+11 2.8	1.309	2.254	10.0	20.1
3 12	9 13.51	+12 5.2	1.383	2.272	14.4	20.4
3 22	9 10.67	+12 52.7	1.478	2.290	18.1	20.7

376575 2013 PB_{16} 2 11.5 120°.04 3°.7/14.9 18

1 12	9 58.83	+ 0 10.3	2.315	3.115	12.2	21.6
1 22	9 53.05	+ 0 22.7	2.247	3.131	9.4	21.5
2 1	9 45.75	+ 0 51.2	2.205	3.146	6.4	21.3
2 11	9 37.63	+ 1 33.6	2.191	3.160	4.0	21.2
2 21	9 29.46	+ 2 25.9	2.206	3.174	4.3	21.2
3 2	9 22.07	+ 3 23.4	2.251	3.188	6.9	21.4
3 12	9 16.14	+ 4 20.8	2.323	3.201	9.8	21.6
3 22	9 12.11	+ 5 13.9	2.419	3.214	12.4	21.8

348805 2006 QQ_{126} 2 11.5 136°.64 0°.0/11.5 17

1 12	9 56.49	+10 44.9	2.820	3.657	9.2	21.5
1 22	9 51.27	+11 43.7	2.752	3.668	6.5	21.3
2 1	9 44.78	+12 50.5	2.712	3.679	3.4	21.1
2 11	9 37.58	+14 1.0	2.703	3.690	0.2	20.8
2 21	9 30.32	+15 10.6	2.726	3.700	3.1	21.1
3 2	9 23.65	+16 15.0	2.779	3.710	6.1	21.3
3 12	9 18.17	+17 10.8	2.861	3.719	8.8	21.5
3 22	9 14.26	+17 56.2	2.967	3.728	11.1	21.7

431147 2006 QV_{115} 2 11.5 116°.95 0°.4/11.2 17

1 12	10 0.75	+15 0.3	2.571	3.414	9.8	21.3
1 22	9 54.26	+15 8.9	2.507	3.427	6.8	21.1
2 1	9 46.34	+15 21.4	2.470	3.439	3.5	20.9
2 11	9 37.66	+15 34.7	2.464	3.450	0.4	20.6
2 21	9 28.99	+15 45.8	2.489	3.462	3.4	20.9
3 2	9 21.11	+15 52.2	2.544	3.473	6.6	21.1
3 12	9 14.67	+15 52.4	2.626	3.484	9.5	21.3
3 22	9 10.08	+15 45.8	2.732	3.495	11.9	21.5

179751 2002 RP_{203} 2 11.5 90°.82 0°.5/11.2 18

1 12	10 4.07	+13 31.2	1.764	2.614	13.2	21.1
1 22	9 56.95	+14 4.8	1.717	2.640	9.2	20.9
2 1	9 47.84	+14 46.1	1.696	2.666	4.8	20.7
2 11	9 37.73	+15 29.2	1.704	2.691	0.5	20.4
2 21	9 27.78	+16 8.4	1.742	2.716	4.5	20.8
3 2	9 19.08	+16 39.2	1.807	2.740	8.7	21.1
3 12	9 12.50	+16 59.2	1.898	2.763	12.3	21.3
3 22	9 8.45	+17 7.6	2.011	2.786	15.2	21.6

166170 2002 EP_{52} 2 11.5 195°.39 3°.1/ 9.5 18

1 12	10 4.55	+20 22.7	1.701	2.564	13.0	20.3
1 22	9 57.69	+21 6.5	1.634	2.563	9.1	20.0
2 1	9 48.43	+21 52.6	1.593	2.561	5.1	19.8
2 11	9 37.77	+22 33.8	1.579	2.559	3.2	19.6
2 21	9 26.97	+23 3.5	1.594	2.557	6.3	19.8
3 2	9 17.35	+23 17.7	1.636	2.554	10.4	20.1
3 12	9 10.00	+23 15.3	1.702	2.551	14.2	20.3
3 22	9 5.51	+22 57.8	1.788	2.548	17.4	20.5

421258 2013 SY_{61} 2 11.5 111°.88 0°.9/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 0.39	+15 1.9	1.992	2.846	11.7	21.5
1 22	9 54.40	+15 33.5	1.926	2.852	8.2	21.3
2 1	9 46.56	+16 11.4	1.887	2.857	4.2	21.0
2 11	9 37.68	+16 50.4	1.877	2.863	0.9	20.8
2 21	9 28.73	+17 25.6	1.896	2.868	4.4	21.1
3 2	9 20.73	+17 52.8	1.943	2.873	8.3	21.3
3 12	9 14.51	+18 9.5	2.016	2.879	11.7	21.5
3 22	9 10.58	+18 14.9	2.110	2.884	14.6	21.7

91368 1999 JB_{89} 2 11.5 288°.49 3°.9/ 8.1 18

1 12	9 58.96	+20 20.9	1.759	2.628	12.3	19.4
1 22	9 53.92	+21 53.4	1.679	2.611	8.7	19.1
2 1	9 46.56	+23 32.5	1.626	2.594	5.1	18.9
2 11	9 37.70	+25 8.7	1.601	2.577	4.1	18.7
2 21	9 28.43	+26 32.7	1.604	2.560	7.2	18.9
3 2	9 20.04	+27 37.4	1.635	2.542	11.2	19.1
3 12	9 13.63	+28 19.4	1.688	2.525	14.9	19.3
3 22	9 9.93	+28 39.0	1.761	2.508	18.0	19.5

519852 2013 MK_{13} 2 11.5 155°.29 2°.1/13.5 18

1 12	9 59.39	+ 5 10.3	2.330	3.150	11.5	22.5
1 22	9 53.49	+ 5 32.2	2.256	3.157	8.5	22.3
2 1	9 46.03	+ 6 6.8	2.208	3.164	5.2	22.2
2 11	9 37.67	+ 6 51.2	2.189	3.170	2.3	22.0
2 21	9 29.22	+ 7 41.2	2.201	3.176	3.6	22.1
3 2	9 21.51	+ 8 32.1	2.243	3.181	6.8	22.3
3 12	9 15.27	+ 9 19.6	2.312	3.186	10.0	22.5
3 22	9 10.96	+10 0.5	2.404	3.190	12.7	22.7

265644 2005 TZ_{63} 2 11.5 86°.97 0°.1/11.5 18

1 12	10 1.06	+12 27.4	1.807	2.659	12.9	21.4
1 22	9 54.95	+12 58.5	1.749	2.672	9.0	21.2
2 1	9 46.86	+13 38.6	1.717	2.686	4.7	20.9
2 11	9 37.72	+14 22.5	1.713	2.700	0.2	20.6
2 21	9 28.57	+15 4.6	1.738	2.713	4.3	20.9
3 2	9 20.51	+15 40.0	1.791	2.726	8.5	21.2
3 12	9 14.40	+16 5.4	1.869	2.739	12.2	21.5
3 22	9 10.72	+16 19.5	1.969	2.753	15.2	21.7

463825 2014 TM_{50} 2 11.5 29°.67 3°.7/14.0 18

1 12	9 59.79	+ 3 29.5	1.597	2.430	15.3	21.2
1 22	9 54.34	+ 3 30.0	1.528	2.433	11.5	21.0
2 1	9 46.69	+ 3 49.4	1.481	2.435	7.4	20.7
2 11	9 37.73	+ 4 25.1	1.460	2.438	4.0	20.5
2 21	9 28.61	+ 5 12.2	1.467	2.441	5.1	20.6
3 2	9 20.55	+ 6 4.3	1.500	2.444	9.0	20.8
3 12	9 14.55	+ 6 54.6	1.558	2.448	13.0	21.1
3 22	9 11.20	+ 7 38.1	1.637	2.452	16.5	21.3

296380 2009 FV_{52} 2 11.5 277°.33 3°.7/ 8.9 18

1 12	10 2.63	+20 46.8	1.626	2.494	13.2	20.7
1 22	9 56.70	+21 48.8	1.543	2.474	9.4	20.4
2 1	9 48.12	+22 55.7	1.484	2.453	5.4	20.1
2 11	9 37.81	+23 58.6	1.453	2.432	3.9	20.0
2 21	9 27.04	+24 49.2	1.450	2.410	7.2	20.1
3 2	9 17.26	+25 21.2	1.473	2.389	11.6	20.3
3 12	9 9.74	+25 32.5	1.519	2.367	15.7	20.5
3 22	9 5.27	+25 24.1	1.584	2.345	19.2	20.7

21742 Rachaelscott 2 11.5 164°.75 0°.0/11.5 18

1 12	10 0.54	+12 50.4	2.355	3.197	10.6	20.0
1 22	9 54.31	+13 14.3	2.283	3.201	7.5	19.8
2 1	9 46.47	+13 45.0	2.237	3.205	3.9	19.5
2 11	9 37.72	+14 18.5	2.222	3.209	0.2	19.2
2 21	9 28.89	+14 50.9	2.237	3.212	3.6	19.5
3 2	9 20.84	+15 18.5	2.283	3.214	7.1	19.8
3 12	9 14.31	+15 38.7	2.355	3.217	10.3	20.0
3 22	9 9.75	+15 50.2	2.450	3.218	13.0	20.1

340617 2006 QH_{93} 2 11.5 145°.79 0°.6/10.9 17

1 12	9 59.72	+15 20.3	2.478	3.326	10.0	21.1
1 22	9 53.67	+15 39.0	2.408	3.330	7.0	20.9
2 1	9 46.11	+16 2.0	2.366	3.335	3.6	20.7
2 11	9 37.71	+16 25.6	2.353	3.339	0.6	20.5
2 21	9 29.27	+16 46.5	2.371	3.344	3.6	20.7
3 2	9 21.58	+17 1.5	2.419	3.348	7.0	21.0
3 12	9 15.34	+17 9.0	2.493	3.351	9.9	21.2
3 22	9 10.98	+17 8.2	2.590	3.355	12.4	21.3

307602 2003 QT_{31} 2 11.5 135°.03 0°.8/12.1 18

1 12	10 2.98	+ 9 56.6	1.885	2.725	12.9	21.3
1 22	9 56.26	+10 24.8	1.822	2.738	9.2	21.1
2 1	9 47.57	+11 4.1	1.785	2.750	5.0	20.9
2 11	9 37.79	+11 49.7	1.776	2.762	0.9	20.6
2 21	9 27.97	+12 36.3	1.797	2.773	4.1	20.9
3 2	9 19.20	+13 18.6	1.847	2.783	8.2	21.1
3 12	9 12.35	+13 52.6	1.923	2.793	11.9	21.4
3 22	9 7.93	+14 16.5	2.021	2.802	14.9	21.6

56472 2000 GB_{108} 2 11.5 277°.06 1°.5/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 0.03	+ 7 23.2	1.450	2.301	15.5	19.3
1 22	9 54.92	+ 8 5.4	1.368	2.287	11.4	19.0
2 1	9 47.20	+ 9 7.9	1.308	2.274	6.5	18.7
2 11	9 37.78	+10 25.2	1.274	2.260	1.7	18.3
2 21	9 27.91	+11 49.1	1.268	2.246	5.0	18.5
3 2	9 19.04	+13 10.1	1.288	2.232	10.3	18.8
3 12	9 12.44	+14 20.2	1.332	2.218	15.1	19.0
3 22	9 8.87	+15 14.6	1.396	2.204	19.1	19.2

319430 2006 HH_{140} 2 11.5 249°.59 1°.5/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 54.99	+18 44.5	3.213	4.066	7.8	21.3
1 22	9 50.19	+19 19.2	3.136	4.062	5.4	21.2
2 1	9 44.23	+19 56.0	3.089	4.058	2.9	21.0
2 11	9 37.62	+20 31.4	3.071	4.053	1.5	20.9
2 21	9 30.93	+21 2.4	3.084	4.049	3.5	21.0
3 2	9 24.75	+21 26.3	3.127	4.045	6.0	21.2
3 12	9 19.61	+21 41.7	3.198	4.041	8.4	21.3
3 22	9 15.89	+21 48.0	3.291	4.036	10.4	21.5

198640 2005 AC_{62} 2 11.5 45°.03 0°.9/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.31	+15 1.6	1.727	2.587	12.9	20.2
1 22	9 54.49	+15 28.0	1.673	2.601	9.0	20.0
2 1	9 46.66	+16 1.0	1.643	2.614	4.7	19.8
2 11	9 37.75	+16 35.2	1.642	2.628	0.9	19.5
2 21	9 28.88	+17 5.2	1.669	2.643	4.7	19.8
3 2	9 21.15	+17 26.8	1.723	2.657	8.9	20.1
3 12	9 15.44	+17 37.5	1.802	2.672	12.5	20.4
3 22	9 12.23	+17 36.8	1.902	2.687	15.6	20.6

382559 2001 XW_{159} 2 11.5 35°.01 5°.4/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.64	+24 52.6	1.617	2.493	12.7	19.9
1 22	9 53.44	+26 32.7	1.589	2.521	9.1	19.7
2 1	9 46.12	+28 9.0	1.587	2.549	6.1	19.6
2 11	9 37.72	+29 31.4	1.613	2.578	5.8	19.7
2 21	9 29.47	+30 32.6	1.665	2.607	8.2	19.9
3 2	9 22.54	+31 9.3	1.743	2.637	11.4	20.1
3 12	9 17.81	+31 22.0	1.843	2.668	14.3	20.4
3 22	9 15.68	+31 13.7	1.962	2.699	16.8	20.6

12409 Bukovanská 2 11.5 209°.62 0°.3/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.95	+11 10.9	1.999	2.842	12.2	20.4
1 22	9 55.63	+11 42.1	1.918	2.836	8.7	20.2
2 1	9 47.32	+12 23.5	1.863	2.830	4.7	19.9
2 11	9 37.80	+13 10.7	1.836	2.823	0.5	19.6
2 21	9 28.04	+13 58.3	1.840	2.815	4.1	19.8
3 2	9 19.13	+14 41.1	1.872	2.807	8.3	20.1
3 12	9 11.98	+15 15.1	1.931	2.798	12.0	20.3
3 22	9 7.19	+15 38.5	2.012	2.789	15.1	20.5

372687 2009 WN_{175} 2 11.5 66°.98 0°.6/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.31	+14 49.7	1.864	2.719	12.4	21.1
1 22	9 55.17	+15 8.8	1.799	2.724	8.7	20.8
2 1	9 47.04	+15 34.4	1.758	2.728	4.5	20.6
2 11	9 37.79	+16 1.5	1.747	2.733	0.6	20.3
2 21	9 28.48	+16 25.4	1.764	2.738	4.4	20.6
3 2	9 20.19	+16 42.2	1.809	2.742	8.6	20.9
3 12	9 13.82	+16 49.6	1.879	2.747	12.2	21.1
3 22	9 9.89	+16 46.8	1.971	2.752	15.3	21.3

72116 2000 YS_{62} 2 11.5 339°.69 2°.0/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.95	+ 9 27.2	1.301	2.162	16.3	18.8
1 22	9 55.66	+ 9 18.8	1.229	2.154	11.9	18.5
2 1	9 47.60	+ 9 25.1	1.179	2.146	6.8	18.2
2 11	9 37.82	+ 9 42.5	1.155	2.140	2.2	17.9
2 21	9 27.75	+10 5.8	1.155	2.134	5.3	18.1
3 2	9 18.94	+10 29.1	1.181	2.128	10.6	18.4
3 12	9 12.68	+10 47.0	1.230	2.124	15.4	18.6
3 22	9 9.65	+10 56.2	1.297	2.120	19.5	18.9

99921 1999 RO_{190} 2 11.5 81°.23 3°.5/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.22	+21 10.9	1.541	2.407	13.9	19.0
1 22	9 58.14	+21 54.1	1.493	2.423	9.7	18.8
2 1	9 48.63	+22 37.9	1.470	2.439	5.5	18.6
2 11	9 37.86	+23 14.3	1.475	2.455	3.6	18.5
2 21	9 27.22	+23 37.3	1.507	2.470	6.7	18.8
3 2	9 18.06	+23 43.5	1.566	2.486	10.8	19.0
3 12	9 11.39	+23 32.9	1.649	2.501	14.5	19.3
3 22	9 7.69	+23 7.7	1.751	2.516	17.5	19.5

320688 2008 CR_{214} 2 11.5 55°.34 1°.5/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.26	+10 6.4	1.481	2.333	15.2	20.3
1 22	9 56.77	+10 3.3	1.427	2.347	10.9	20.1
2 1	9 47.93	+10 12.4	1.395	2.362	6.1	19.9
2 11	9 37.83	+10 29.7	1.391	2.376	1.6	19.6
2 21	9 27.79	+10 50.2	1.414	2.391	4.7	19.8
3 2	9 19.10	+11 9.0	1.464	2.406	9.4	20.2
3 12	9 12.77	+11 22.3	1.537	2.421	13.5	20.4
3 22	9 9.31	+11 27.7	1.632	2.437	16.9	20.7

180788 2004 RF_{195} 2 11.5 181°.04 1°.6/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 55.44	+ 6 13.2	3.132	3.952	8.9	20.8
1 22	9 50.49	+ 6 32.0	3.050	3.952	6.5	20.6
2 1	9 44.40	+ 6 59.8	2.996	3.952	3.9	20.4
2 11	9 37.66	+ 7 34.4	2.971	3.952	1.7	20.3
2 21	9 30.84	+ 8 12.8	2.977	3.952	2.7	20.3
3 2	9 24.51	+ 8 52.0	3.014	3.951	5.3	20.5
3 12	9 19.20	+ 9 28.9	3.079	3.951	7.8	20.7
3 22	9 15.29	+10 1.3	3.169	3.949	10.0	20.8

126976 2002 FA_{24} 2 11.5 84°.41 0°.3/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.13	+12 58.4	1.930	2.779	12.3	20.4
1 22	9 54.87	+13 31.8	1.877	2.800	8.6	20.2
2 1	9 46.79	+14 13.1	1.851	2.820	4.5	20.0
2 11	9 37.78	+14 56.9	1.854	2.841	0.3	19.7
2 21	9 28.83	+15 38.2	1.886	2.861	4.1	20.0
3 2	9 20.93	+16 12.4	1.947	2.880	8.1	20.3
3 12	9 14.88	+16 36.7	2.033	2.900	11.5	20.6
3 22	9 11.12	+16 50.0	2.141	2.919	14.3	20.8

158214 2001 SU_{107} 2 11.5 151°.86 4°.8/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.20	− 1 15.2	1.993	2.787	14.1	20.2
1 22	9 56.38	− 1 15.8	1.921	2.798	11.0	20.0
2 1	9 47.65	− 0 57.1	1.873	2.809	7.7	19.9
2 11	9 37.83	− 0 20.7	1.853	2.818	5.1	19.7
2 21	9 27.91	+ 0 29.5	1.862	2.827	5.4	19.7
3 2	9 18.91	+ 1 27.9	1.900	2.834	8.1	19.9
3 12	9 11.71	+ 2 28.3	1.965	2.841	11.4	20.1
3 22	9 6.82	+ 3 25.2	2.053	2.847	14.3	20.3

330133 2005 YS_{109} 2 11.5 29°.24 0°.1/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.51	+11 15.9	1.782	2.636	12.9	20.6
1 22	9 53.31	+11 57.8	1.714	2.638	9.2	20.4
2 1	9 46.12	+12 51.3	1.671	2.640	4.9	20.1
2 11	9 37.75	+13 50.7	1.656	2.643	0.3	19.8
2 21	9 29.26	+14 49.7	1.670	2.646	4.3	20.1
3 2	9 21.73	+15 42.2	1.711	2.649	8.6	20.4
3 12	9 16.07	+16 23.7	1.777	2.652	12.5	20.6
3 22	9 12.82	+16 52.1	1.865	2.655	15.7	20.8

296857 2009 WM_{206} 2 11.5 326°.24 4°.5/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.91	+ 1 52.3	1.740	2.563	14.6	20.0
1 22	9 53.71	+ 1 34.3	1.658	2.555	11.3	19.7
2 1	9 46.39	+ 1 34.3	1.599	2.547	7.7	19.5
2 11	9 37.78	+ 1 51.4	1.567	2.539	4.8	19.3
2 21	9 28.90	+ 2 22.2	1.562	2.532	5.5	19.3
3 2	9 20.89	+ 3 1.9	1.584	2.525	8.9	19.5
3 12	9 14.75	+ 3 44.2	1.630	2.519	12.6	19.7
3 22	9 11.10	+ 4 23.8	1.698	2.513	16.0	19.9

29571 1998 FC_{29} 2 11.5 135°.60 2°.6/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.03	+ 2 5.4	2.662	3.470	10.6	18.6
1 22	9 51.04	+ 2 39.0	2.587	3.478	8.0	18.4
2 1	9 44.73	+ 3 26.5	2.538	3.486	5.2	18.3
2 11	9 37.69	+ 4 24.8	2.518	3.494	2.8	18.1
2 21	9 30.57	+ 5 30.1	2.529	3.502	3.4	18.2
3 2	9 24.06	+ 6 37.6	2.570	3.509	6.0	18.3
3 12	9 18.76	+ 7 42.7	2.639	3.516	8.8	18.5
3 22	9 15.07	+ 8 41.7	2.732	3.523	11.2	18.7

83622 2001 SP_{308} 2 11.5 61°.39 0°.0/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.91	+12 56.5	2.026	2.876	11.8	20.0
1 22	9 53.95	+13 17.2	1.973	2.895	8.2	19.9
2 1	9 46.30	+13 45.0	1.947	2.915	4.3	19.7
2 11	9 37.78	+14 15.7	1.949	2.935	0.2	19.3
2 21	9 29.32	+14 44.9	1.980	2.956	3.9	19.7
3 2	9 21.85	+15 8.7	2.040	2.976	7.6	20.0
3 12	9 16.12	+15 24.7	2.126	2.996	10.9	20.2
3 22	9 12.54	+15 31.5	2.235	3.016	13.7	20.4

40643 1999 RG_{182} 2 11.5 172°.63 0°.8/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.74	+ 9 31.0	1.999	2.837	12.4	19.8
1 22	9 55.42	+10 5.6	1.926	2.841	8.9	19.6
2 1	9 47.18	+10 51.7	1.878	2.843	4.9	19.4
2 11	9 37.83	+11 44.9	1.860	2.846	0.9	19.1
2 21	9 28.33	+12 39.6	1.871	2.847	3.9	19.3
3 2	9 19.72	+13 30.3	1.912	2.848	8.0	19.5
3 12	9 12.88	+14 12.8	1.979	2.848	11.6	19.8
3 22	9 8.34	+14 44.6	2.068	2.848	14.7	20.0

186865 2004 HO_{24} 2 11.5 211°.94 6°.8/17.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.09	−10 5.6	2.492	3.230	13.2	20.9
1 22	9 53.39	−10 18.9	2.397	3.222	11.1	20.7
2 1	9 46.08	−10 11.2	2.324	3.214	8.9	20.6
2 11	9 37.78	− 9 41.9	2.278	3.205	7.2	20.4
2 21	9 29.24	− 8 52.8	2.260	3.195	6.9	20.4
3 2	9 21.29	− 7 47.9	2.270	3.185	8.2	20.5
3 12	9 14.66	− 6 33.2	2.308	3.174	10.3	20.6
3 22	9 9.89	− 5 14.9	2.369	3.162	12.7	20.7

318654 2005 MJ_{48} 2 11.5 213°.81 1°.4/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 59.38	+ 7 16.0	1.940	2.776	12.8	21.3
1 22	9 53.87	+ 7 55.3	1.860	2.772	9.3	21.1
2 1	9 46.43	+ 8 49.3	1.805	2.768	5.3	20.8
2 11	9 37.80	+ 9 53.8	1.778	2.763	1.6	20.6
2 21	9 28.95	+11 2.5	1.781	2.758	4.0	20.7
3 2	9 20.92	+12 9.3	1.813	2.752	8.1	21.0
3 12	9 14.61	+13 8.4	1.870	2.747	11.9	21.2
3 22	9 10.59	+13 56.4	1.950	2.740	15.1	21.4

463251 2012 FQ_{58} 2 11.5 268°.40 2°.5/13.6 17

1 12	9 57.92	+ 3 45.5	1.858	2.686	13.6	21.8
1 22	9 53.00	+ 4 31.4	1.767	2.672	10.2	21.5
2 1	9 46.04	+ 5 37.4	1.701	2.658	6.3	21.3
2 11	9 37.79	+ 6 59.4	1.662	2.644	2.8	21.0
2 21	9 29.19	+ 8 30.8	1.653	2.629	4.2	21.1
3 2	9 21.32	+10 3.8	1.672	2.615	8.4	21.3
3 12	9 15.18	+11 30.6	1.717	2.600	12.4	21.5
3 22	9 11.40	+12 45.7	1.785	2.585	15.9	21.7

411847 2012 DP_{65} 2 11.5 46°.46 1°.4/12.6 18

1 12	9 58.38	+ 7 6.4	1.546	2.395	14.8	20.8
1 22	9 53.42	+ 7 57.9	1.482	2.401	10.7	20.5
2 1	9 46.24	+ 9 7.7	1.442	2.408	6.1	20.3
2 11	9 37.79	+10 29.5	1.429	2.415	1.6	20.0
2 21	9 29.22	+11 54.8	1.444	2.422	4.5	20.2
3 2	9 21.73	+13 15.1	1.486	2.430	9.2	20.5
3 12	9 16.34	+14 23.8	1.553	2.437	13.4	20.8
3 22	9 13.60	+15 17.0	1.640	2.445	16.9	21.0

122450 2000 QW_{138} 2 11.5 71°.98 5°.4/ 8.3 18

1 12	10 7.48	+28 18.5	1.763	2.623	12.7	19.5
1 22	9 59.56	+28 48.2	1.714	2.636	9.3	19.3
2 1	9 49.33	+29 10.6	1.691	2.648	6.3	19.1
2 11	9 37.95	+29 18.7	1.695	2.661	5.5	19.1
2 21	9 26.77	+29 8.4	1.728	2.674	7.7	19.3
3 2	9 17.07	+28 39.0	1.788	2.686	11.0	19.5
3 12	9 9.82	+27 52.8	1.872	2.699	14.1	19.7
3 22	9 5.45	+26 53.8	1.975	2.712	16.7	19.9

93233 2000 SN_{147} 2 11.5 149°.45 0°.9/10.8 18

1 12	10 0.91	+15 3.3	2.046	2.899	11.6	20.2
1 22	9 54.80	+15 37.3	1.979	2.903	8.1	20.0
2 1	9 46.84	+16 17.5	1.938	2.908	4.2	19.7
2 11	9 37.84	+16 58.9	1.925	2.912	0.9	19.5
2 21	9 28.75	+17 36.3	1.943	2.915	4.3	19.8
3 2	9 20.58	+18 5.7	1.989	2.919	8.2	20.0
3 12	9 14.15	+18 24.4	2.061	2.922	11.6	20.2
3 22	9 9.98	+18 31.6	2.155	2.925	14.5	20.4

499860 2011 EE_{74} 2 11.5 334°.25 9°.7/19.4 18

1 12	9 54.96	−12 2.7	1.647	2.410	17.9	20.3
1 22	9 51.11	−12 26.1	1.561	2.397	15.4	20.1
2 1	9 45.12	−12 17.7	1.493	2.385	12.7	19.9
2 11	9 37.76	−11 35.1	1.448	2.374	10.5	19.7
2 21	9 30.04	−10 20.2	1.426	2.364	9.8	19.7
3 2	9 23.14	− 8 39.4	1.429	2.355	11.1	19.7
3 12	9 18.12	− 6 43.2	1.457	2.346	13.8	19.9
3 22	9 15.65	− 4 42.9	1.505	2.338	16.8	20.0

322819 2001 SQ_{134} 2 11.5 192°.68 0°.1/11.4 16

1 12	10 1.43	+12 44.8	2.157	3.001	11.4	22.3
1 22	9 55.14	+13 13.6	2.080	3.000	8.0	22.0
2 1	9 47.03	+13 50.3	2.029	2.998	4.2	21.8
2 11	9 37.85	+14 30.6	2.008	2.995	0.2	21.5
2 21	9 28.52	+15 9.6	2.017	2.992	3.9	21.8
3 2	9 20.00	+15 43.1	2.056	2.988	7.8	22.0
3 12	9 13.14	+16 7.9	2.121	2.984	11.2	22.2
3 22	9 8.45	+16 22.8	2.208	2.979	14.1	22.4

283218 2010 OQ_{95} 2 11.5 94°.89 1°.3/10.4 18

1 12	10 2.74	+15 0.0	1.932	2.784	12.2	21.2
1 22	9 55.98	+16 0.2	1.888	2.812	8.4	21.0
2 1	9 47.39	+17 6.4	1.870	2.840	4.3	20.8
2 11	9 37.86	+18 11.9	1.882	2.867	1.3	20.6
2 21	9 28.45	+19 10.4	1.924	2.894	4.7	20.9
3 2	9 20.16	+19 57.2	1.995	2.920	8.5	21.2
3 12	9 13.79	+20 30.0	2.091	2.945	11.8	21.5
3 22	9 9.77	+20 48.5	2.209	2.969	14.4	21.7

351945 2006 TQ_{74} 2 11.5 176°.89 4°.7/16.7 18

1 12	9 57.17	− 5 35.4	3.129	3.886	10.3	21.8
1 22	9 51.72	− 5 47.4	3.043	3.888	8.4	21.6
2 1	9 45.08	− 5 45.0	2.981	3.889	6.4	21.5
2 11	9 37.76	− 5 28.6	2.948	3.891	4.9	21.4
2 21	9 30.32	− 4 59.9	2.944	3.891	4.8	21.4
3 2	9 23.38	− 4 21.6	2.970	3.891	6.2	21.5
3 12	9 17.48	− 3 37.7	3.024	3.891	8.1	21.6
3 22	9 13.02	− 2 51.9	3.104	3.890	10.1	21.8

10096 1991 RK_5 2 11.5 155°.79 3°.6/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 1.44	+25 27.5	2.494	3.351	9.6	17.6
1 22	9 54.95	+26 8.5	2.433	3.355	6.9	17.5
2 1	9 46.84	+26 46.8	2.399	3.359	4.4	17.3
2 11	9 37.84	+27 17.2	2.395	3.363	3.8	17.3
2 21	9 28.82	+27 35.9	2.420	3.367	5.7	17.4
3 2	9 20.65	+27 40.6	2.474	3.371	8.4	17.6
3 12	9 14.06	+27 31.3	2.554	3.374	11.0	17.8
3 22	9 9.51	+27 9.3	2.655	3.377	13.2	17.9

47400 1999 XV_{116} 2 11.5 121°.36 2°.8/ 9.8 18

1 12	10 7.22	+18 49.2	1.522	2.384	14.3	19.7
1 22	9 59.61	+19 38.2	1.471	2.399	10.0	19.5
2 1	9 49.48	+20 30.8	1.445	2.414	5.4	19.3
2 11	9 37.99	+21 18.7	1.446	2.429	2.8	19.1
2 21	9 26.58	+21 54.7	1.476	2.442	6.3	19.4
3 2	9 16.66	+22 14.7	1.533	2.455	10.7	19.7
3 12	9 9.30	+22 17.7	1.614	2.468	14.6	19.9
3 22	9 5.02	+22 5.2	1.714	2.480	17.8	20.2

168019 2005 JX_8 2 11.5 96°.65 0°.6/11.0 18

1 12	9 59.04	+14 13.7	2.250	3.100	10.7	20.7
1 22	9 53.32	+14 46.6	2.188	3.111	7.5	20.5
2 1	9 46.00	+15 25.7	2.153	3.122	3.9	20.3
2 11	9 37.82	+16 6.3	2.147	3.134	0.6	20.0
2 21	9 29.61	+16 44.0	2.172	3.145	3.8	20.3
3 2	9 22.24	+17 15.0	2.225	3.156	7.4	20.6
3 12	9 16.42	+17 36.8	2.305	3.167	10.5	20.8
3 22	9 12.60	+17 48.4	2.407	3.177	13.1	21.0

393429 2001 SF_{155} 2 11.5 109°.41 0°.4/11.2 16

1 12	10 5.91	+13 11.7	1.672	2.522	13.9	22.0
1 22	9 58.42	+13 48.8	1.622	2.545	9.7	21.8
2 1	9 48.76	+14 34.6	1.598	2.567	5.0	21.6
2 11	9 37.97	+15 22.6	1.602	2.589	0.5	21.3
2 21	9 27.29	+16 6.6	1.635	2.610	4.7	21.7
3 2	9 17.95	+16 41.5	1.697	2.630	9.1	22.0
3 12	9 10.86	+17 4.6	1.784	2.649	12.9	22.2
3 22	9 6.51	+17 15.2	1.892	2.668	16.0	22.5

201755 2003 UO_{371} 2 11.5 113°.31 5°.6/16.4 18

1 12	9 58.90	− 4 11.3	2.161	2.943	13.6	20.7
1 22	9 53.31	− 4 24.6	2.088	2.951	10.9	20.5
2 1	9 46.05	− 4 18.4	2.038	2.960	8.1	20.4
2 11	9 37.84	− 3 53.4	2.015	2.968	6.0	20.3
2 21	9 29.53	− 3 12.2	2.020	2.977	5.9	20.3
3 2	9 22.01	− 2 19.8	2.054	2.985	7.9	20.4
3 12	9 16.03	− 1 21.9	2.114	2.992	10.6	20.6
3 22	9 12.07	− 0 24.2	2.197	3.000	13.2	20.8

51750 2001 KL_{66} 2 11.5 296°.91 1°.0/12.2 18

1 12	10 0.25	+ 8 50.5	1.292	2.153	16.4	18.9
1 22	9 55.29	+ 9 34.0	1.218	2.143	11.9	18.6
2 1	9 47.52	+10 37.8	1.165	2.133	6.6	18.3
2 11	9 37.93	+11 55.1	1.137	2.124	1.2	17.9
2 21	9 27.93	+13 16.6	1.136	2.114	5.4	18.1
3 2	9 19.10	+14 32.4	1.161	2.105	11.0	18.4
3 12	9 12.80	+15 34.5	1.207	2.096	16.1	18.7
3 22	9 9.79	+16 18.8	1.273	2.087	20.3	18.9

292131 2006 RN_{75} 2 11.5 298°.21 2°.7/14.2 17

1 12	9 55.88	+ 3 0.4	2.280	3.099	11.8	21.3
1 22	9 51.20	+ 3 28.0	2.197	3.095	8.9	21.1
2 1	9 44.96	+ 4 11.1	2.139	3.091	5.7	20.9
2 11	9 37.79	+ 5 6.8	2.109	3.087	2.9	20.7
2 21	9 30.46	+ 6 10.6	2.109	3.083	3.8	20.7
3 2	9 23.78	+ 7 17.2	2.138	3.080	6.9	20.9
3 12	9 18.48	+ 8 21.3	2.194	3.076	10.1	21.1
3 22	9 15.05	+ 9 18.6	2.273	3.072	12.9	21.3

505187 2012 TC_{120} 2 11.5 117°.46 4°.1/15.7 17

1 12	9 57.03	− 1 51.4	2.561	3.349	11.5	21.8
1 22	9 51.78	− 1 47.7	2.488	3.360	9.0	21.6
2 1	9 45.17	− 1 28.4	2.439	3.370	6.4	21.5
2 11	9 37.81	− 0 54.8	2.418	3.380	4.4	21.4
2 21	9 30.37	− 0 10.0	2.427	3.390	4.5	21.4
3 2	9 23.58	+ 0 41.9	2.465	3.400	6.5	21.5
3 12	9 18.07	+ 1 36.1	2.531	3.409	9.1	21.7
3 22	9 14.25	+ 2 28.4	2.621	3.418	11.5	21.9

204791 2006 QK_{58} 2 11.5 248°.68 1°.9/13.1 18

1 12	9 58.72	+ 7 6.8	2.469	3.295	10.7	20.1
1 22	9 53.11	+ 7 9.1	2.379	3.285	7.9	19.9
2 1	9 45.95	+ 7 21.4	2.316	3.275	4.7	19.7
2 11	9 37.85	+ 7 41.6	2.283	3.265	2.0	19.5
2 21	9 29.57	+ 8 6.7	2.279	3.254	3.4	19.6
3 2	9 21.91	+ 8 33.3	2.305	3.244	6.7	19.8
3 12	9 15.59	+ 8 57.9	2.358	3.233	9.8	20.0
3 22	9 11.11	+ 9 18.0	2.435	3.222	12.5	20.1

335635 2006 JB_{28} 2 11.5 147°.01 4°.6/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 56.83	− 5 44.6	2.875	3.635	11.1	22.0
1 22	9 51.55	− 5 31.6	2.796	3.646	8.9	21.8
2 1	9 45.02	− 5 1.9	2.742	3.655	6.7	21.7
2 11	9 37.81	− 4 16.7	2.716	3.665	4.9	21.6
2 21	9 30.52	− 3 18.9	2.720	3.673	4.7	21.6
3 2	9 23.80	− 2 12.6	2.754	3.682	6.3	21.7
3 12	9 18.22	− 1 2.8	2.816	3.689	8.4	21.9
3 22	9 14.18	+ 0 6.1	2.904	3.697	10.6	22.0

293894 2007 RU_{297} 2 11.5 101°.49 0°.5/11.1 18

1 12	9 59.11	+13 40.0	2.405	3.251	10.3	21.4
1 22	9 53.26	+14 20.3	2.349	3.271	7.2	21.3
2 1	9 45.95	+15 6.5	2.321	3.290	3.7	21.1
2 11	9 37.86	+15 54.3	2.322	3.308	0.5	20.8
2 21	9 29.79	+16 39.2	2.354	3.327	3.6	21.1
3 2	9 22.53	+17 17.4	2.415	3.345	6.9	21.4
3 12	9 16.73	+17 46.3	2.504	3.363	9.9	21.6
3 22	9 12.81	+18 5.0	2.615	3.380	12.3	21.8

131677 2001 XZ_{184} 2 11.5 52°.65 1°.0/10.9 18

1 12	10 2.94	+13 41.0	1.192	2.064	16.7	19.1
1 22	9 56.91	+14 27.5	1.151	2.084	11.6	18.9
2 1	9 48.15	+15 25.3	1.133	2.105	6.0	18.7
2 11	9 37.98	+16 25.5	1.140	2.126	1.0	18.4
2 21	9 27.98	+17 19.1	1.172	2.148	5.9	18.8
3 2	9 19.68	+17 59.2	1.230	2.169	11.1	19.1
3 12	9 14.18	+18 22.6	1.310	2.192	15.6	19.4
3 22	9 11.92	+18 29.1	1.409	2.214	19.1	19.7

58024 2002 VC_{48} 2 11.5 62°.92 3°.9/ 7.8 18

1 12	9 58.73	+23 40.9	2.143	3.008	10.6	18.9
1 22	9 53.32	+24 51.4	2.085	3.013	7.5	18.7
2 1	9 46.11	+26 1.6	2.054	3.017	4.7	18.6
2 11	9 37.87	+27 4.3	2.052	3.022	4.1	18.5
2 21	9 29.56	+27 53.9	2.079	3.027	6.4	18.7
3 2	9 22.13	+28 26.7	2.134	3.032	9.4	18.9
3 12	9 16.41	+28 41.6	2.212	3.038	12.3	19.1
3 22	9 12.88	+28 39.8	2.311	3.043	14.7	19.3

15553 Carachang 2 11.5 171°.66 1°.2/10.6 18

1 12	10 2.84	+14 0.2	1.735	2.590	13.2	18.8
1 22	9 56.49	+15 4.5	1.668	2.593	9.2	18.6
2 1	9 47.90	+16 18.9	1.626	2.596	4.8	18.3
2 11	9 37.97	+17 35.7	1.612	2.598	1.3	18.1
2 21	9 27.87	+18 47.2	1.628	2.600	5.2	18.4
3 2	9 18.82	+19 46.7	1.672	2.600	9.6	18.6
3 12	9 11.84	+20 30.4	1.742	2.601	13.5	18.9
3 22	9 7.54	+20 57.1	1.831	2.600	16.7	19.1

163236 2002 EH_{149} 2 11.5 204°.39 0°.2/11.7 18

1 12	10 2.16	+11 12.8	1.955	2.798	12.4	21.0
1 22	9 55.86	+11 49.6	1.875	2.793	8.8	20.8
2 1	9 47.53	+12 37.1	1.821	2.788	4.7	20.5
2 11	9 37.96	+13 30.5	1.796	2.783	0.4	20.2
2 21	9 28.15	+14 23.9	1.801	2.776	4.2	20.5
3 2	9 19.21	+15 11.8	1.835	2.769	8.4	20.7
3 12	9 12.08	+15 50.1	1.895	2.762	12.2	20.9
3 22	9 7.35	+16 16.8	1.977	2.753	15.4	21.1

385190 1996 XK_{2} 2 11.5 26°.39 8°.9/19.2 18

1 12	9 56.55	−11 4.4	1.813	2.572	16.7	20.0
1 22	9 51.92	−11 41.5	1.749	2.583	14.1	19.9
2 1	9 45.42	−11 51.2	1.704	2.594	11.5	19.7
2 11	9 37.85	−11 32.1	1.683	2.607	9.5	19.6
2 21	9 30.18	−10 46.7	1.687	2.620	8.9	19.6
3 2	9 23.42	− 9 40.4	1.716	2.634	10.1	19.7
3 12	9 18.43	− 8 21.5	1.769	2.648	12.3	19.9
3 22	9 15.72	− 6 58.6	1.845	2.663	14.7	20.1

326977 2004 NU_{1} 2 11.5 152°.43 1°.7/12.9 18

1 12	10 2.06	+ 8 3.3	2.329	3.155	11.3	20.8
1 22	9 55.41	+ 8 4.1	2.257	3.163	8.2	20.6
2 1	9 47.13	+ 8 14.6	2.211	3.171	4.8	20.4
2 11	9 37.94	+ 8 32.1	2.194	3.177	1.8	20.2
2 21	9 28.69	+ 8 53.4	2.209	3.184	3.5	20.4
3 2	9 20.24	+ 9 15.2	2.253	3.190	6.9	20.6
3 12	9 13.33	+ 9 34.3	2.325	3.195	10.1	20.8
3 22	9 8.44	+ 9 48.4	2.420	3.200	12.8	21.0

455434 2003 RG_{21} 2 11.5 112°.47 0°.0/11.6 18

1 12	10 3.12	+11 34.4	1.785	2.632	13.2	21.6
1 22	9 56.45	+12 15.3	1.730	2.650	9.3	21.4
2 1	9 47.75	+13 6.4	1.700	2.668	4.9	21.2
2 11	9 37.97	+14 1.9	1.699	2.685	0.3	20.9
2 21	9 28.21	+14 55.3	1.727	2.702	4.3	21.2
3 2	9 19.59	+15 41.4	1.784	2.718	8.6	21.5
3 12	9 13.00	+16 16.3	1.866	2.734	12.3	21.8
3 22	9 8.92	+16 38.8	1.970	2.749	15.3	22.0

429891 2012 TY_{49} 2 11.5 359°.65 4°.0/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 56.29	− 0 21.0	2.184	2.989	12.7	20.8
1 22	9 51.53	− 0 10.2	2.104	2.989	9.9	20.6
2 1	9 45.16	+ 0 18.3	2.048	2.988	6.8	20.4
2 11	9 37.84	+ 1 2.7	2.019	2.988	4.4	20.3
2 21	9 30.37	+ 1 59.0	2.020	2.988	4.6	20.3
3 2	9 23.60	+ 3 2.1	2.048	2.988	7.3	20.5
3 12	9 18.28	+ 4 6.1	2.104	2.989	10.3	20.7
3 22	9 14.91	+ 5 6.0	2.182	2.989	13.1	20.8

455211 2001 MS_{18} 2 11.5 155°.52 1°.9/13.1 18

1 12	10 4.02	+ 6 23.2	2.065	2.887	12.7	22.4
1 22	9 56.94	+ 6 47.4	1.994	2.899	9.3	22.2
2 1	9 48.00	+ 7 24.9	1.950	2.909	5.5	22.0
2 11	9 37.99	+ 8 11.9	1.935	2.918	2.1	21.8
2 21	9 27.91	+ 9 3.4	1.951	2.927	3.9	21.9
3 2	9 18.75	+ 9 54.3	1.997	2.934	7.7	22.2
3 12	9 11.36	+10 39.8	2.070	2.940	11.2	22.4
3 22	9 6.26	+11 17.0	2.166	2.945	14.1	22.6

83583 2001 SP_{233} 2 11.6 129°.95 1°.3/12.9 18

1 12	9 56.92	+ 7 23.1	2.414	3.245	10.8	19.8
1 22	9 51.82	+ 7 55.2	2.340	3.250	7.8	19.7
2 1	9 45.25	+ 8 38.4	2.293	3.255	4.5	19.5
2 11	9 37.85	+ 9 29.3	2.275	3.259	1.5	19.2
2 21	9 30.35	+10 23.5	2.287	3.264	3.3	19.4
3 2	9 23.53	+11 16.4	2.329	3.268	6.6	19.6
3 12	9 18.07	+12 4.0	2.398	3.272	9.7	19.8
3 22	9 14.40	+12 43.6	2.490	3.276	12.3	20.0

253017 2002 RA_{175} 2 11.6 85°.87 1°.5/12.6 18

1 12	10 4.32	+ 8 45.8	1.726	2.565	14.0	20.6
1 22	9 57.22	+ 8 56.8	1.677	2.590	10.1	20.4
2 1	9 48.11	+ 9 19.8	1.652	2.616	5.7	20.2
2 11	9 38.00	+ 9 50.8	1.656	2.641	1.7	20.0
2 21	9 28.02	+10 24.5	1.689	2.666	4.2	20.2
3 2	9 19.29	+10 56.2	1.751	2.690	8.3	20.5
3 12	9 12.67	+11 22.0	1.838	2.714	12.0	20.8
3 22	9 8.61	+11 39.5	1.946	2.737	15.1	21.1

413085 2001 TE_{140} 2 11.6 98°.44 5°.2/16.7 18

1 12	9 57.55	− 5 17.1	1.828	2.617	15.4	20.4
1 22	9 52.65	− 4 25.2	1.752	2.623	12.2	20.2
2 1	9 45.83	− 3 5.5	1.698	2.629	8.8	20.0
2 11	9 37.89	− 1 21.1	1.672	2.635	5.8	19.9
2 21	9 29.80	+ 0 40.9	1.674	2.641	5.6	19.9
3 2	9 22.58	+ 2 50.9	1.705	2.647	8.3	20.0
3 12	9 17.11	+ 4 58.4	1.763	2.653	11.8	20.3
3 22	9 13.95	+ 6 55.4	1.846	2.658	15.0	20.5

486879 2014 KR_{54} 2 11.6 225°.56 0°.7/11.0 18

1 12	10 3.01	+12 53.3	1.811	2.660	13.0	21.9
1 22	9 56.70	+13 47.4	1.727	2.649	9.2	21.6
2 1	9 48.10	+14 52.9	1.668	2.637	4.8	21.3
2 11	9 38.03	+16 3.5	1.638	2.625	0.7	21.0
2 21	9 27.60	+17 11.8	1.638	2.611	4.9	21.3
3 2	9 18.04	+18 11.1	1.667	2.597	9.4	21.5
3 12	9 10.45	+18 56.7	1.720	2.582	13.5	21.7
3 22	9 5.50	+19 26.9	1.795	2.566	16.9	21.9

394346 2006 YU_{38} 2 11.6 28°.29 0°.4/11.4 18

1 12	10 4.53	+14 0.7	1.158	2.029	17.1	21.0
1 22	9 58.36	+14 12.6	1.101	2.033	12.1	20.7
2 1	9 49.11	+14 35.4	1.066	2.037	6.4	20.4
2 11	9 38.09	+15 2.3	1.055	2.042	0.5	20.0
2 21	9 26.99	+15 26.0	1.070	2.046	5.9	20.4
3 2	9 17.55	+15 40.9	1.109	2.052	11.6	20.7
3 12	9 11.08	+15 43.6	1.170	2.058	16.5	21.0
3 22	9 8.17	+15 33.4	1.249	2.064	20.6	21.3

425532 2010 OY_{95} 2 11.6 296°.40 4°.8/15.5 17

1 12	9 57.39	− 1 25.1	2.182	2.981	12.9	20.9
1 22	9 52.39	− 1 36.8	2.092	2.970	10.2	20.7
2 1	9 45.68	− 1 31.0	2.026	2.960	7.4	20.5
2 11	9 37.92	− 1 8.5	1.987	2.949	5.1	20.4
2 21	9 29.92	− 0 31.8	1.975	2.939	5.3	20.4
3 2	9 22.57	+ 0 14.8	1.992	2.929	7.7	20.5
3 12	9 16.67	+ 1 5.9	2.036	2.919	10.7	20.6
3 22	9 12.78	+ 1 56.3	2.102	2.909	13.6	20.8

286022 2001 SU_{147} 2 11.6 106°.82 0°.1/11.6 18

1 12	9 59.96	+12 47.5	2.483	3.324	10.2	20.5
1 22	9 53.84	+13 3.4	2.422	3.340	7.2	20.4
2 1	9 46.27	+13 25.3	2.387	3.355	3.8	20.2
2 11	9 37.95	+13 49.7	2.382	3.369	0.2	19.9
2 21	9 29.63	+14 13.3	2.409	3.384	3.3	20.2
3 2	9 22.10	+14 33.0	2.464	3.398	6.6	20.4
3 12	9 16.01	+14 46.6	2.548	3.411	9.6	20.6
3 22	9 11.76	+14 52.9	2.654	3.425	12.0	20.8

493710 2015 TG_{109} 2 11.6 124°.31 0°.8/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 2.09	+ 8 22.8	1.591	2.437	14.7	21.7
1 22	9 56.01	+ 9 17.9	1.530	2.448	10.5	21.4
2 1	9 47.67	+10 29.2	1.493	2.459	5.8	21.2
2 11	9 38.03	+11 49.9	1.484	2.470	1.0	20.9
2 21	9 28.30	+13 11.8	1.503	2.480	4.5	21.2
3 2	9 19.73	+14 26.7	1.551	2.490	9.2	21.4
3 12	9 13.33	+15 28.9	1.623	2.499	13.4	21.7
3 22	9 9.66	+16 15.4	1.716	2.508	16.8	22.0

61461 2000 QA_{31} 2 11.6 112°.58 3°.5/ 8.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.69	+21 42.2	1.939	2.802	11.6	18.7
1 22	9 55.49	+22 45.6	1.885	2.813	8.2	18.5
2 1	9 47.29	+23 50.0	1.857	2.823	4.8	18.3
2 11	9 38.01	+24 47.8	1.857	2.833	3.6	18.3
2 21	9 28.69	+25 33.0	1.887	2.843	6.2	18.4
3 2	9 20.43	+26 1.8	1.944	2.853	9.6	18.7
3 12	9 14.10	+26 13.2	2.026	2.862	12.8	18.9
3 22	9 10.21	+26 8.4	2.128	2.871	15.4	19.1

150304 1999 TO_{259} 2 11.6 207°.39 5°.7/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.60	− 6 48.5	2.400	3.163	12.9	20.3
1 22	9 52.40	− 6 41.0	2.309	3.158	10.6	20.1
2 1	9 45.64	− 6 12.7	2.242	3.154	8.1	19.9
2 11	9 37.92	− 5 24.4	2.202	3.148	6.1	19.8
2 21	9 30.01	− 4 19.0	2.190	3.143	5.8	19.8
3 2	9 22.71	− 3 1.6	2.208	3.137	7.5	19.8
3 12	9 16.76	− 1 38.4	2.253	3.130	10.1	20.0
3 22	9 12.66	− 0 15.8	2.322	3.123	12.6	20.2

498874 2008 YZ_{98} 2 11.6 16°.25 3°.4/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.84	+ 4 45.9	1.922	2.749	13.3	20.9
1 22	9 54.16	+ 4 24.4	1.850	2.752	10.0	20.7
2 1	9 46.60	+ 4 16.5	1.802	2.755	6.4	20.5
2 11	9 37.97	+ 4 20.7	1.781	2.758	3.6	20.3
2 21	9 29.23	+ 4 34.3	1.789	2.762	4.6	20.4
3 2	9 21.38	+ 4 53.3	1.825	2.766	7.9	20.6
3 12	9 15.28	+ 5 13.4	1.887	2.771	11.4	20.8
3 22	9 11.45	+ 5 31.1	1.971	2.776	14.4	21.0

452658 2005 UN_{472} 2 11.6 185°.11 3°.0/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.67	+ 3 40.5	1.947	2.763	13.6	23.0
1 22	9 56.91	+ 3 55.0	1.866	2.763	10.2	22.8
2 1	9 48.10	+ 4 25.9	1.811	2.763	6.4	22.6
2 11	9 38.06	+ 5 10.4	1.784	2.762	3.3	22.4
2 21	9 27.80	+ 6 3.8	1.786	2.760	4.4	22.5
3 2	9 18.43	+ 7 0.4	1.818	2.757	8.2	22.7
3 12	9 10.87	+ 7 54.2	1.877	2.753	11.9	22.9
3 22	9 5.73	+ 8 41.2	1.958	2.748	15.1	23.1

371246 2006 BT_{145} 2 11.6 21°.02 0°.7/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.27	+10 11.4	1.829	2.680	12.8	19.9
1 22	9 52.55	+11 55.5	1.758	2.682	9.0	19.7
2 1	9 45.84	+13 55.3	1.713	2.683	4.6	19.4
2 11	9 37.94	+16 2.4	1.698	2.684	0.7	19.1
2 21	9 29.81	+18 6.8	1.713	2.686	4.7	19.4
3 2	9 22.53	+19 59.1	1.757	2.687	9.0	19.7
3 12	9 17.02	+21 32.9	1.827	2.689	12.8	19.9
3 22	9 13.87	+22 45.6	1.919	2.691	15.9	20.1

109033 2001 QU_{11} 2 11.6 221°.73 1°.0/12.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.04	+ 8 34.5	2.129	2.964	11.9	20.4
1 22	9 54.30	+ 9 12.7	2.042	2.955	8.6	20.2
2 1	9 46.71	+10 3.4	1.982	2.946	4.8	19.9
2 11	9 37.99	+11 2.5	1.951	2.936	1.1	19.7
2 21	9 29.02	+12 4.6	1.950	2.926	3.7	19.8
3 2	9 20.76	+13 4.1	1.978	2.915	7.7	20.1
3 12	9 14.08	+13 56.2	2.033	2.904	11.3	20.3
3 22	9 9.55	+14 37.8	2.111	2.892	14.4	20.4

118034 3015 $T\text{-}_{2}$ 2 11.6 85°.17 1°.5/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.65	+ 6 20.6	2.277	3.108	11.4	19.9
1 22	9 51.69	+ 7 3.1	2.210	3.118	8.3	19.8
2 1	9 45.23	+ 7 58.4	2.168	3.128	4.8	19.6
2 11	9 37.91	+ 9 2.5	2.155	3.139	1.7	19.4
2 21	9 30.53	+10 10.2	2.172	3.149	3.4	19.5
3 2	9 23.88	+11 16.2	2.219	3.159	6.8	19.7
3 12	9 18.65	+12 15.7	2.293	3.169	10.0	20.0
3 22	9 15.28	+13 5.7	2.390	3.179	12.7	20.2

343981 2011 LA_{27} 2 11.6 247°.21 3°.6/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.14	+ 0 37.0	2.298	3.103	12.1	21.1
1 22	9 52.15	+ 0 52.7	2.208	3.095	9.4	20.9
2 1	9 45.54	+ 1 25.0	2.144	3.087	6.3	20.7
2 11	9 37.95	+ 2 12.0	2.107	3.078	3.9	20.5
2 21	9 30.15	+ 3 10.0	2.099	3.070	4.3	20.5
3 2	9 22.98	+ 4 13.9	2.121	3.061	7.1	20.7
3 12	9 17.19	+ 5 18.0	2.170	3.052	10.2	20.9
3 22	9 13.29	+ 6 17.8	2.242	3.043	13.0	21.0

171908 2001 SW_{32} 2 11.6 172°.33 0°.3/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 57.71	+11 6.3	2.993	3.826	8.8	21.6
1 22	9 52.18	+11 36.0	2.916	3.830	6.3	21.4
2 1	9 45.41	+12 12.4	2.867	3.833	3.4	21.2
2 11	9 37.95	+12 52.3	2.849	3.835	0.4	21.0
2 21	9 30.39	+13 32.4	2.862	3.837	2.8	21.2
3 2	9 23.40	+14 9.6	2.906	3.838	5.8	21.4
3 12	9 17.52	+14 41.1	2.978	3.839	8.4	21.6
3 22	9 13.17	+15 5.4	3.074	3.839	10.7	21.7

206226 2002 VN_{99} 2 11.6 53°.74 9°.8/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 15.97	+43 42.7	1.926	2.749	13.4	19.4
1 22	10 5.40	+44 15.9	1.899	2.773	11.3	19.3
2 1	9 52.33	+44 27.4	1.897	2.796	10.0	19.3
2 11	9 38.31	+44 10.0	1.921	2.820	10.0	19.3
2 21	9 24.98	+43 22.2	1.971	2.844	11.3	19.4
3 2	9 13.80	+42 7.2	2.046	2.868	13.1	19.6
3 12	9 5.65	+40 31.6	2.144	2.892	15.1	19.8
3 22	9 0.80	+38 42.8	2.260	2.916	16.8	20.0

491220 2011 UO_{180} 2 11.6 239°.97 3°.2/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.33	+ 4 24.2	1.824	2.647	14.1	21.4
1 22	9 56.94	+ 4 24.2	1.731	2.632	10.6	21.2
2 1	9 48.27	+ 4 40.3	1.662	2.616	6.8	20.9
2 11	9 38.12	+ 5 10.6	1.621	2.600	3.5	20.7
2 21	9 27.55	+ 5 51.0	1.609	2.583	4.8	20.7
3 2	9 17.79	+ 6 36.1	1.626	2.566	8.8	20.9
3 12	9 9.91	+ 7 20.2	1.668	2.547	12.9	21.1
3 22	9 4.62	+ 7 58.6	1.732	2.529	16.5	21.3

253089 2002 TE_{251} 2 11.6 77°.86 2°.3/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.68	+18 24.7	1.624	2.486	13.5	21.0
1 22	9 57.66	+19 5.1	1.580	2.509	9.4	20.8
2 1	9 48.44	+19 48.6	1.562	2.532	5.0	20.6
2 11	9 38.11	+20 28.2	1.571	2.554	2.4	20.5
2 21	9 27.94	+20 58.1	1.608	2.576	5.7	20.7
3 2	9 19.17	+21 14.4	1.673	2.598	9.8	21.0
3 12	9 12.71	+21 16.2	1.762	2.620	13.4	21.3
3 22	9 9.00	+21 4.5	1.871	2.641	16.4	21.5

152669 1998 FK_{135} 2 11.6 285°.26 4°.2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.17	+24 48.6	1.840	2.701	12.2	19.8
1 22	9 58.22	+25 16.4	1.763	2.688	8.8	19.6
2 1	9 48.90	+25 41.6	1.712	2.675	5.5	19.3
2 11	9 38.15	+25 57.3	1.688	2.662	4.3	19.2
2 21	9 27.20	+25 58.4	1.694	2.649	6.9	19.4
3 2	9 17.36	+25 42.5	1.726	2.636	10.6	19.6
3 12	9 9.69	+25 10.0	1.783	2.623	14.1	19.8
3 22	9 4.82	+24 23.5	1.860	2.611	17.1	19.9

517658 2015 BC_{544} 2 11.6 159°.04 6°.2/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 55.96	−10 43.7	2.441	3.181	13.3	21.3
1 22	9 51.22	−10 13.4	2.354	3.183	11.1	21.2
2 1	9 45.00	− 9 19.1	2.289	3.184	8.7	21.0
2 11	9 37.93	− 8 1.7	2.251	3.186	6.8	20.9
2 21	9 30.72	− 6 25.1	2.242	3.187	6.2	20.9
3 2	9 24.14	− 4 35.4	2.262	3.188	7.5	20.9
3 12	9 18.87	− 2 40.1	2.311	3.189	9.8	21.1
3 22	9 15.38	− 0 46.7	2.385	3.190	12.2	21.2

189007 1995 FW_{7} 2 11.6 329°.31 1°.1/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.92	+13 40.4	1.454	2.323	14.4	19.7
1 22	9 53.47	+14 34.6	1.379	2.311	10.2	19.4
2 1	9 46.54	+15 41.8	1.328	2.299	5.3	19.1
2 11	9 38.02	+16 54.5	1.302	2.288	1.1	18.7
2 21	9 29.18	+18 3.9	1.304	2.278	5.6	19.0
3 2	9 21.38	+19 2.0	1.331	2.268	10.6	19.3
3 12	9 15.82	+19 43.6	1.382	2.260	15.1	19.5
3 22	9 13.19	+20 6.8	1.451	2.251	18.9	19.7

88663 2001 RJ_{77} 2 11.6 105°.71 1°.7/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.40	+15 32.5	1.562	2.421	14.1	19.5
1 22	9 57.62	+16 31.7	1.512	2.439	9.8	19.3
2 1	9 48.51	+17 38.5	1.486	2.457	5.1	19.0
2 11	9 38.13	+18 44.7	1.489	2.474	1.8	18.9
2 21	9 27.80	+19 42.3	1.520	2.491	5.6	19.1
3 2	9 18.82	+20 25.9	1.579	2.507	10.0	19.4
3 12	9 12.18	+20 52.8	1.661	2.522	13.9	19.7
3 22	9 8.40	+21 3.1	1.764	2.537	17.1	20.0

205248 2000 QT_{203} 2 11.6 179°.48 0°.2/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.94	+12 40.8	2.954	3.794	8.8	20.7
1 22	9 51.69	+13 23.3	2.877	3.795	6.1	20.6
2 1	9 45.19	+14 12.0	2.828	3.796	3.2	20.4
2 11	9 37.96	+15 3.3	2.809	3.796	0.2	20.1
2 21	9 30.63	+15 53.5	2.822	3.796	3.0	20.4
3 2	9 23.84	+16 38.9	2.866	3.795	6.0	20.6
3 12	9 18.18	+17 16.9	2.938	3.794	8.6	20.7
3 22	9 14.05	+17 45.9	3.033	3.793	10.9	20.9

221335 2005 WK_7 2 11.6 89°.56 2°.2/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 2.37	+18 43.3	1.821	2.682	12.3	20.4
1 22	9 56.05	+19 19.2	1.761	2.689	8.6	20.2
2 1	9 47.65	+19 58.3	1.726	2.696	4.6	19.9
2 11	9 38.10	+20 34.4	1.720	2.703	2.3	19.8
2 21	9 28.51	+21 2.2	1.743	2.710	5.4	20.0
3 2	9 20.03	+21 17.8	1.793	2.717	9.3	20.3
3 12	9 13.58	+21 19.8	1.867	2.724	12.8	20.5
3 22	9 9.66	+21 8.8	1.963	2.730	15.8	20.7

341559 2007 UU_{25} 2 11.6 161°.65 3°.1/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.40	+ 1 51.9	2.544	3.350	11.1	21.4
1 22	9 52.14	+ 2 1.9	2.465	3.353	8.4	21.3
2 1	9 45.47	+ 2 25.5	2.411	3.356	5.6	21.1
2 11	9 37.99	+ 3 0.8	2.386	3.359	3.3	20.9
2 21	9 30.39	+ 3 44.5	2.390	3.361	3.8	21.0
3 2	9 23.42	+ 4 32.6	2.425	3.363	6.4	21.1
3 12	9 17.73	+ 5 20.8	2.487	3.365	9.2	21.3
3 22	9 13.76	+ 6 5.2	2.573	3.367	11.7	21.5

165311 2000 UE_{46} 2 11.6 149°.56 1°.5/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.50	+16 19.5	1.965	2.815	12.0	21.2
1 22	9 57.42	+17 2.5	1.902	2.826	8.4	21.0
2 1	9 48.34	+17 50.6	1.867	2.836	4.4	20.8
2 11	9 38.15	+18 38.1	1.860	2.845	1.5	20.6
2 21	9 27.92	+19 19.1	1.884	2.854	4.8	20.9
3 2	9 18.73	+19 49.4	1.937	2.861	8.7	21.1
3 12	9 11.47	+20 7.0	2.015	2.868	12.2	21.3
3 22	9 6.67	+20 11.8	2.115	2.874	15.0	21.6

242462 2004 RY_{232} 2 11.6 20°.77 2°.5/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.27	+ 6 6.1	1.358	2.207	16.4	20.1
1 22	9 55.10	+ 6 29.8	1.292	2.209	12.1	19.8
2 1	9 47.37	+ 7 13.9	1.248	2.211	7.2	19.5
2 11	9 38.11	+ 8 13.5	1.230	2.213	2.7	19.3
2 21	9 28.64	+ 9 21.0	1.238	2.216	5.0	19.4
3 2	9 20.41	+10 27.8	1.272	2.219	10.0	19.7
3 12	9 14.56	+11 26.3	1.329	2.222	14.6	20.0
3 22	9 11.74	+12 11.9	1.406	2.225	18.5	20.2

320233 2007 JK_{17} 2 11.6 242°.02 1°.6/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.04	+ 7 26.4	2.159	2.991	11.8	21.7
1 22	9 53.59	+ 7 48.3	2.072	2.982	8.6	21.4
2 1	9 46.36	+ 8 22.6	2.012	2.973	5.1	21.2
2 11	9 38.05	+ 9 6.0	1.980	2.964	1.8	21.0
2 21	9 29.52	+ 9 54.1	1.977	2.954	3.7	21.1
3 2	9 21.69	+10 41.9	2.004	2.944	7.4	21.3
3 12	9 15.38	+11 25.1	2.058	2.934	10.9	21.5
3 22	9 11.16	+12 0.2	2.134	2.923	14.0	21.7

306617 2000 QP_{18} 2 11.6 177°.64 0°.0/11.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.75	+12 55.7	2.395	3.235	10.6	21.4
1 22	9 55.27	+13 17.9	2.319	3.237	7.5	21.2
2 1	9 47.15	+13 46.6	2.271	3.238	3.9	21.0
2 11	9 38.10	+14 18.2	2.253	3.239	0.2	20.7
2 21	9 28.94	+14 48.6	2.265	3.240	3.5	21.0
3 2	9 20.54	+15 14.3	2.308	3.239	7.1	21.2
3 12	9 13.64	+15 32.8	2.378	3.239	10.3	21.4
3 22	9 8.74	+15 42.8	2.471	3.237	12.9	21.6

81000 2000 ED_{31} 2 11.6 246°.20 4°.7/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.59	+24 59.3	1.875	2.738	11.9	19.5
1 22	9 57.14	+26 0.1	1.802	2.727	8.6	19.2
2 1	9 48.36	+26 59.7	1.755	2.717	5.6	19.0
2 11	9 38.17	+27 50.3	1.736	2.705	4.9	19.0
2 21	9 27.73	+28 25.0	1.746	2.694	7.4	19.1
3 2	9 18.31	+28 40.1	1.783	2.682	10.9	19.3
3 12	9 10.98	+28 35.0	1.843	2.670	14.3	19.5
3 22	9 6.37	+28 12.0	1.923	2.658	17.1	19.6

116473 2004 BA_3 2 11.6 312°.62 0°.5/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.67	+13 13.4	2.039	2.893	11.5	19.7
1 22	9 52.71	+13 53.9	1.961	2.885	8.1	19.4
2 1	9 45.92	+14 43.3	1.908	2.878	4.3	19.2
2 11	9 38.03	+15 36.5	1.884	2.871	0.5	18.9
2 21	9 29.95	+16 28.1	1.890	2.864	4.1	19.1
3 2	9 22.65	+17 12.8	1.923	2.857	8.1	19.4
3 12	9 16.97	+17 47.1	1.982	2.851	11.7	19.6
3 22	9 13.45	+18 9.1	2.063	2.844	14.7	19.8

144814 2004 JL_2 2 11.6 330°.27 1°.8/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.27	+ 7 4.9	2.163	2.997	11.7	20.3
1 22	9 52.30	+ 7 19.0	2.083	2.993	8.6	20.1
2 1	9 45.66	+ 7 45.3	2.028	2.989	5.1	19.8
2 11	9 38.03	+ 8 20.7	2.002	2.985	2.0	19.6
2 21	9 30.24	+ 9 1.1	2.004	2.981	3.6	19.7
3 2	9 23.18	+ 9 42.2	2.036	2.978	7.2	19.9
3 12	9 17.60	+10 19.6	2.094	2.974	10.6	20.1
3 22	9 14.03	+10 50.1	2.174	2.971	13.5	20.3

206666 2003 YA_{78} 2 11.6 10°.24 4°.5/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 0.44	+ 2 33.7	1.824	2.645	14.2	19.2
1 22	9 54.70	+ 1 58.2	1.751	2.646	10.9	19.0
2 1	9 46.99	+ 1 38.4	1.702	2.648	7.4	18.8
2 11	9 38.11	+ 1 33.5	1.680	2.651	4.7	18.6
2 21	9 29.08	+ 1 41.5	1.685	2.654	5.4	18.7
3 2	9 20.99	+ 1 58.4	1.718	2.657	8.5	18.9
3 12	9 14.73	+ 2 19.5	1.776	2.661	11.9	19.1
3 22	9 10.86	+ 2 40.3	1.856	2.666	15.0	19.3

415304 2013 GH_{89} 2 11.6 228°.83 1°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.01	+15 41.1	1.788	2.642	12.9	21.6
1 22	9 57.39	+16 6.1	1.710	2.635	9.1	21.4
2 1	9 48.49	+16 37.5	1.658	2.628	4.8	21.1
2 11	9 38.20	+17 9.9	1.634	2.620	1.1	20.8
2 21	9 27.67	+17 37.8	1.639	2.612	4.9	21.1
3 2	9 18.15	+17 56.7	1.672	2.603	9.4	21.3
3 12	9 10.68	+18 4.1	1.730	2.594	13.3	21.5
3 22	9 5.90	+17 59.6	1.809	2.585	16.6	21.7

51700 2001 KV_{23} 2 11.6 136°.04 2°.6/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.95	+ 4 19.3	2.204	3.019	12.2	18.7
1 22	9 55.42	+ 4 30.8	2.137	3.034	9.1	18.6
2 1	9 47.23	+ 4 55.8	2.095	3.048	5.7	18.4
2 11	9 38.12	+ 5 31.6	2.082	3.061	2.8	18.2
2 21	9 28.97	+ 6 14.2	2.100	3.074	3.9	18.3
3 2	9 20.67	+ 6 58.8	2.147	3.086	7.1	18.5
3 12	9 13.98	+ 7 41.2	2.222	3.097	10.3	18.7
3 22	9 9.36	+ 8 17.8	2.320	3.107	13.1	19.0

110253 2001 SK_{239} 2 11.6 168°.64 1°.7/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.56	+17 35.8	2.495	3.343	9.9	21.4
1 22	9 55.12	+18 26.8	2.426	3.349	6.9	21.3
2 1	9 47.08	+19 21.5	2.385	3.354	3.6	21.1
2 11	9 38.12	+20 14.7	2.375	3.358	1.7	20.9
2 21	9 29.07	+21 1.6	2.396	3.361	4.3	21.1
3 2	9 20.77	+21 38.6	2.447	3.364	7.5	21.3
3 12	9 13.95	+22 3.6	2.525	3.366	10.4	21.5
3 22	9 9.08	+22 16.3	2.625	3.367	12.9	21.7

423817 2006 KG_{22} 2 11.6 342°.10 1°.2/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.69	+ 7 7.8	1.882	2.724	12.9	20.6
1 22	9 52.10	+ 7 59.9	1.805	2.721	9.3	20.4
2 1	9 45.64	+ 9 8.0	1.754	2.718	5.3	20.1
2 11	9 38.04	+10 26.9	1.731	2.716	1.4	19.9
2 21	9 30.25	+11 49.8	1.736	2.714	3.9	20.0
3 2	9 23.27	+13 9.5	1.770	2.712	8.1	20.3
3 12	9 17.97	+14 19.9	1.830	2.710	11.9	20.5
3 22	9 14.92	+15 17.1	1.912	2.709	15.1	20.7

286481 2002 AD_{175} 2 11.6 17°.46 0°.2/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.12	+13 47.0	1.012	1.894	18.0	19.0
1 22	9 56.14	+13 52.2	0.964	1.901	12.8	18.8
2 1	9 48.03	+14 9.5	0.936	1.908	6.7	18.5
2 11	9 38.18	+14 32.0	0.931	1.918	0.4	18.0
2 21	9 28.34	+14 52.4	0.950	1.928	6.0	18.5
3 2	9 20.29	+15 4.6	0.992	1.940	11.9	18.8
3 12	9 15.33	+15 5.0	1.054	1.953	17.0	19.2
3 22	9 13.95	+14 52.5	1.134	1.968	21.1	19.5

366757 2004 RD_{39} 2 11.6 90°.76 0°.1/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.10	+11 18.1	2.042	2.885	12.0	21.7
1 22	9 54.86	+11 57.5	1.991	2.910	8.4	21.5
2 1	9 46.93	+12 45.9	1.966	2.934	4.4	21.3
2 11	9 38.11	+13 38.1	1.970	2.957	0.3	21.0
2 21	9 29.36	+14 28.8	2.005	2.980	3.8	21.3
3 2	9 21.60	+15 13.4	2.068	3.003	7.6	21.6
3 12	9 15.57	+15 48.4	2.158	3.025	10.9	21.9
3 22	9 11.70	+16 12.5	2.270	3.047	13.6	22.1

44253 1998 QO_{44} 2 11.6 173°.35 0°.8/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.01	+14 52.6	2.222	3.072	10.9	19.4
1 22	9 54.18	+15 26.3	2.150	3.073	7.6	19.1
2 1	9 46.63	+16 6.1	2.105	3.075	4.0	18.9
2 11	9 38.11	+16 47.3	2.089	3.075	0.8	18.7
2 21	9 29.47	+17 25.1	2.104	3.076	4.0	18.9
3 2	9 21.63	+17 55.7	2.147	3.077	7.7	19.1
3 12	9 15.37	+18 16.4	2.217	3.077	10.9	19.4
3 22	9 11.19	+18 26.3	2.309	3.077	13.7	19.5

473671 2015 XB_{351} 2 11.6 47°.16 1°.6/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.14	+ 9 24.9	1.349	2.205	16.2	20.7
1 22	9 57.08	+ 9 28.8	1.289	2.211	11.7	20.5
2 1	9 48.40	+ 9 47.4	1.251	2.218	6.6	20.2
2 11	9 38.21	+10 16.3	1.239	2.225	1.8	19.9
2 21	9 27.93	+10 49.3	1.254	2.232	5.0	20.2
3 2	9 19.04	+11 20.3	1.294	2.239	10.1	20.5
3 12	9 12.67	+11 44.2	1.358	2.247	14.6	20.7
3 22	9 9.41	+11 58.1	1.442	2.255	18.4	21.0

522297 2016 BC_{99} 2 11.6 218°.54 6°.0/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 3.86	+31 55.5	2.311	3.163	10.4	21.5
1 22	9 57.04	+32 58.5	2.246	3.157	8.0	21.3
2 1	9 48.20	+33 54.6	2.208	3.150	6.2	21.2
2 11	9 38.20	+34 36.7	2.198	3.142	6.2	21.2
2 21	9 28.05	+34 59.8	2.217	3.135	8.0	21.3
3 2	9 18.85	+35 1.7	2.263	3.126	10.5	21.4
3 12	9 11.52	+34 43.4	2.333	3.118	13.0	21.6
3 22	9 6.59	+34 8.0	2.422	3.109	15.1	21.7

299356 2005 SG_{251} 2 11.6 200°.22 1°.8/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.68	+20 3.6	3.032	3.882	8.3	21.6
1 22	9 52.93	+20 38.0	2.955	3.878	5.8	21.5
2 1	9 45.87	+21 13.5	2.907	3.874	3.2	21.3
2 11	9 38.07	+21 46.6	2.889	3.869	1.9	21.2
2 21	9 30.16	+22 13.8	2.902	3.864	3.9	21.3
3 2	9 22.83	+22 32.6	2.946	3.859	6.6	21.5
3 12	9 16.68	+22 41.6	3.017	3.853	9.0	21.6
3 22	9 12.13	+22 40.9	3.110	3.847	11.1	21.8

428483 2007 VX_{121} 2 11.6 238°.96 3°.6/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.14	+ 0 44.5	2.549	3.349	11.3	21.3
1 22	9 52.76	+ 0 41.6	2.456	3.338	8.7	21.1
2 1	9 45.87	+ 0 52.7	2.387	3.327	6.0	20.9
2 11	9 38.07	+ 1 16.5	2.348	3.316	3.9	20.7
2 21	9 30.06	+ 1 50.5	2.337	3.305	4.2	20.7
3 2	9 22.61	+ 2 31.2	2.357	3.293	6.7	20.9
3 12	9 16.42	+ 3 14.0	2.404	3.281	9.5	21.0
3 22	9 11.98	+ 3 55.2	2.475	3.269	12.1	21.2

468590 2007 RP_{290} 2 11.6 80°.18 4°.6/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.33	− 2 25.9	2.285	3.076	12.7	21.6
1 22	9 52.18	− 2 22.6	2.217	3.090	10.0	21.4
2 1	9 45.53	− 2 1.6	2.172	3.103	7.1	21.3
2 11	9 38.05	− 1 24.2	2.155	3.116	4.9	21.2
2 21	9 30.51	− 0 34.0	2.167	3.130	4.9	21.2
3 2	9 23.71	+ 0 24.1	2.207	3.143	7.1	21.3
3 12	9 18.33	+ 1 24.7	2.274	3.156	9.8	21.5
3 22	9 14.82	+ 2 22.8	2.365	3.169	12.3	21.7

328053 2007 TE_{25} 2 11.6 236°.98 10°.1/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.20	−13 49.1	1.363	2.123	21.1	20.9
1 22	9 55.31	−13 24.4	1.277	2.115	18.0	20.7
2 1	9 47.67	−12 14.7	1.208	2.108	14.5	20.4
2 11	9 38.18	−10 17.5	1.162	2.099	11.3	20.2
2 21	9 28.19	− 7 38.0	1.140	2.090	10.1	20.1
3 2	9 19.23	− 4 29.5	1.144	2.081	12.0	20.2
3 12	9 12.68	− 1 10.9	1.174	2.071	15.7	20.4
3 22	9 9.34	+ 2 0.1	1.226	2.061	19.7	20.6

415812 2001 PT_{52} 2 11.6 110°.94 2°.8/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.52	+20 41.7	2.054	2.909	11.4	21.2
1 22	9 57.30	+21 27.1	2.005	2.930	8.0	21.0
2 1	9 48.23	+22 13.0	1.983	2.950	4.4	20.8
2 11	9 38.21	+22 53.3	1.991	2.971	2.8	20.8
2 21	9 28.27	+23 23.1	2.029	2.990	5.4	21.0
3 2	9 19.46	+23 39.4	2.096	3.009	8.8	21.2
3 12	9 12.57	+23 41.7	2.188	3.027	11.9	21.4
3 22	9 8.04	+23 31.0	2.301	3.045	14.4	21.6

200828 2001 XE_{223} 2 11.6 358°.24 3°.0/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.39	+ 7 51.5	1.108	1.974	18.1	19.4
1 22	9 55.62	+ 7 35.7	1.045	1.971	13.4	19.1
2 1	9 47.83	+ 7 38.5	1.003	1.968	8.0	18.8
2 11	9 38.20	+ 7 56.8	0.983	1.967	3.2	18.6
2 21	9 28.32	+ 8 24.8	0.988	1.967	5.8	18.7
3 2	9 19.91	+ 8 55.3	1.017	1.968	11.3	19.0
3 12	9 14.33	+ 9 21.5	1.066	1.970	16.4	19.3
3 22	9 12.26	+ 9 38.8	1.134	1.973	20.7	19.6

354346 2003 FK_{103} 2 11.6 341°.52 3°.7/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.13	+20 38.5	1.184	2.064	16.1	20.5
1 22	9 58.30	+21 9.0	1.121	2.057	11.5	20.2
2 1	9 49.26	+21 42.4	1.080	2.051	6.4	19.9
2 11	9 38.28	+22 9.5	1.064	2.046	3.8	19.7
2 21	9 27.09	+22 22.3	1.073	2.041	7.7	20.0
3 2	9 17.49	+22 16.3	1.105	2.037	12.9	20.2
3 12	9 10.92	+21 51.3	1.159	2.034	17.6	20.5
3 22	9 8.03	+21 9.7	1.230	2.032	21.6	20.7

85518 1997 VC_3 2 11.6 65°.62 2°.2/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.61	+ 6 22.2	1.616	2.452	14.9	19.0
1 22	9 56.79	+ 6 43.9	1.577	2.487	10.8	18.8
2 1	9 47.97	+ 7 21.1	1.562	2.522	6.3	18.7
2 11	9 38.20	+ 8 8.6	1.574	2.557	2.4	18.5
2 21	9 28.66	+ 9 0.3	1.615	2.592	4.3	18.7
3 2	9 20.45	+ 9 50.0	1.684	2.626	8.4	19.0
3 12	9 14.42	+10 32.8	1.779	2.660	12.1	19.3
3 22	9 10.96	+11 5.7	1.895	2.693	15.2	19.6

419225 2009 VP_4 2 11.6 159°.42 1°.0/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 1.14	+15 26.7	1.961	2.815	11.9	21.3
1 22	9 55.15	+15 57.6	1.891	2.817	8.3	21.1
2 1	9 47.22	+16 34.7	1.848	2.818	4.3	20.9
2 11	9 38.17	+17 12.8	1.833	2.819	1.0	20.6
2 21	9 29.01	+17 46.7	1.847	2.820	4.5	20.9
3 2	9 20.79	+18 12.2	1.890	2.821	8.5	21.1
3 12	9 14.37	+18 26.8	1.959	2.822	12.0	21.3
3 22	9 10.30	+18 29.9	2.048	2.822	15.0	21.5

283508 2001 ST_{340} 2 11.6 148°.90 0°.8/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.71	+ 9 24.1	1.787	2.627	13.6	22.7
1 22	9 57.03	+10 2.6	1.721	2.637	9.7	22.5
2 1	9 48.24	+10 54.0	1.681	2.646	5.3	22.3
2 11	9 38.24	+11 52.9	1.669	2.655	1.0	22.0
2 21	9 28.14	+12 52.7	1.686	2.663	4.2	22.2
3 2	9 19.10	+13 47.5	1.733	2.670	8.6	22.5
3 12	9 12.07	+14 32.4	1.805	2.676	12.5	22.8
3 22	9 7.60	+15 5.2	1.899	2.682	15.7	23.0

397059 2005 UB_{132} 2 11.6 122°.06 3°.5/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.78	+20 11.8	1.504	2.370	14.2	21.4
1 22	9 58.81	+21 11.9	1.450	2.380	9.9	21.1
2 1	9 49.27	+22 14.8	1.422	2.390	5.6	20.9
2 11	9 38.29	+23 11.4	1.421	2.400	3.6	20.8
2 21	9 27.31	+23 54.0	1.447	2.410	6.9	21.0
3 2	9 17.75	+24 17.9	1.500	2.419	11.2	21.3
3 12	9 10.73	+24 22.3	1.577	2.427	15.1	21.6
3 22	9 6.79	+24 9.2	1.672	2.436	18.2	21.8

83888 2001 UL_{127} 2 11.6 143°.28 7°.2/20.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.65	−14 18.2	2.782	3.487	12.6	19.9
1 22	9 51.59	−14 31.7	2.700	3.494	10.9	19.8
2 1	9 45.21	−14 24.3	2.641	3.500	9.1	19.6
2 11	9 38.06	−13 55.5	2.607	3.507	7.7	19.6
2 21	9 30.81	−13 6.9	2.599	3.513	7.2	19.5
3 2	9 24.13	−12 2.1	2.620	3.519	7.9	19.6
3 12	9 18.64	−10 46.7	2.667	3.524	9.4	19.7
3 22	9 14.76	− 9 26.3	2.739	3.530	11.2	19.8

208362 2001 RO_{95} 2 11.6 78°.69 3°.1/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.10	+ 0 22.9	2.290	3.094	12.2	20.3
1 22	9 51.98	+ 1 6.6	2.229	3.117	9.2	20.1
2 1	9 45.41	+ 2 7.3	2.193	3.139	6.1	20.0
2 11	9 38.08	+ 3 21.2	2.186	3.161	3.4	19.8
2 21	9 30.73	+ 4 43.0	2.210	3.182	3.8	19.9
3 2	9 24.16	+ 6 6.8	2.263	3.204	6.6	20.1
3 12	9 19.00	+ 7 26.6	2.344	3.225	9.6	20.3
3 22	9 15.68	+ 8 38.2	2.449	3.246	12.2	20.5

226699 2004 LO_{17} 2 11.6 220°.02 5°.3/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.50	+28 43.1	2.356	3.212	10.1	20.5
1 22	9 56.13	+30 7.3	2.285	3.203	7.6	20.4
2 1	9 47.78	+31 28.3	2.243	3.192	5.6	20.2
2 11	9 38.22	+32 38.4	2.229	3.181	5.6	20.2
2 21	9 28.40	+33 31.6	2.245	3.170	7.6	20.3
3 2	9 19.37	+34 4.3	2.289	3.157	10.2	20.4
3 12	9 12.03	+34 16.1	2.357	3.144	12.8	20.6
3 22	9 6.99	+34 9.1	2.444	3.131	15.0	20.8

87134 2000 NS_5 2 11.6 220°.80 3°.7/14.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.13	+ 0 2.9	2.558	3.350	11.4	20.2
1 22	9 54.18	+ 0 4.4	2.461	3.339	8.9	20.0
2 1	9 46.66	+ 0 20.6	2.389	3.326	6.2	19.8
2 11	9 38.16	+ 0 50.2	2.346	3.314	4.0	19.6
2 21	9 29.42	+ 1 30.7	2.334	3.300	4.3	19.6
3 2	9 21.23	+ 2 18.0	2.351	3.286	6.8	19.7
3 12	9 14.34	+ 3 7.6	2.397	3.270	9.7	19.9
3 22	9 9.24	+ 3 55.3	2.466	3.255	12.4	20.1

52963 Vercingetorix 2 11.6 187°.52 1°.2/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.09	+ 8 44.9	1.877	2.712	13.2	20.1
1 22	9 57.33	+ 9 11.1	1.799	2.712	9.6	19.9
2 1	9 48.44	+ 9 50.2	1.747	2.711	5.4	19.6
2 11	9 38.26	+10 37.7	1.724	2.709	1.4	19.3
2 21	9 27.88	+11 28.2	1.730	2.706	4.1	19.5
3 2	9 18.43	+12 15.9	1.766	2.703	8.4	19.8
3 12	9 10.90	+12 56.4	1.827	2.699	12.3	20.0
3 22	9 5.87	+13 26.7	1.911	2.693	15.6	20.2

217037 2001 QE_{11} 2 11.6 222°.63 0°.7/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.94	+10 57.9	1.697	2.541	13.9	20.8
1 22	9 58.18	+11 13.6	1.615	2.533	10.0	20.5
2 1	9 49.00	+11 40.7	1.558	2.524	5.5	20.2
2 11	9 38.31	+12 14.7	1.529	2.515	0.9	19.9
2 21	9 27.29	+12 50.2	1.529	2.505	4.6	20.1
3 2	9 17.28	+13 21.6	1.557	2.494	9.3	20.4
3 12	9 9.40	+13 45.0	1.610	2.483	13.6	20.6
3 22	9 4.32	+13 58.2	1.684	2.471	17.2	20.8

401907 2001 TE_{136} 2 11.6 55°.32 3°.8/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 8.93	+23 12.4	1.472	2.337	14.5	20.1
1 22	10 0.72	+23 29.0	1.437	2.365	10.2	19.9
2 1	9 50.08	+23 42.5	1.425	2.392	5.9	19.7
2 11	9 38.36	+23 46.2	1.441	2.420	3.8	19.7
2 21	9 27.05	+23 36.0	1.485	2.448	6.8	19.9
3 2	9 17.52	+23 10.9	1.556	2.476	10.7	20.2
3 12	9 10.71	+22 32.5	1.650	2.504	14.3	20.5
3 22	9 6.97	+21 43.8	1.764	2.533	17.3	20.8

357526 2004 RQ_{141} 2 11.6 105°.27 0°.0/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.36	+11 19.2	1.551	2.403	14.6	21.5
1 22	9 56.96	+12 5.2	1.495	2.418	10.3	21.2
2 1	9 48.26	+13 3.5	1.464	2.433	5.4	21.0
2 11	9 38.27	+14 7.4	1.461	2.447	0.3	20.6
2 21	9 28.28	+15 9.0	1.485	2.461	4.8	21.0
3 2	9 19.54	+16 1.9	1.538	2.475	9.5	21.3
3 12	9 13.09	+16 41.7	1.614	2.488	13.6	21.6
3 22	9 9.43	+17 6.8	1.711	2.501	16.9	21.9

404482 2013 HH_{9} 2 11.6 217°.34 3°.2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.85	+20 3.8	1.901	2.761	11.9	21.3
1 22	9 56.59	+21 14.0	1.826	2.754	8.4	21.1
2 1	9 48.12	+22 28.4	1.778	2.746	4.8	20.9
2 11	9 38.27	+23 39.1	1.759	2.738	3.3	20.7
2 21	9 28.15	+24 38.7	1.769	2.729	6.3	20.9
3 2	9 18.96	+25 21.9	1.808	2.719	10.1	21.1
3 12	9 11.72	+25 46.5	1.871	2.709	13.6	21.3
3 22	9 7.06	+25 53.1	1.953	2.698	16.6	21.5

214626 2006 RU_{91} 2 11.6 225°.97 2°.0/10.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.66	+18 14.0	2.017	2.871	11.6	21.7
1 22	9 57.03	+18 53.8	1.936	2.861	8.2	21.5
2 1	9 48.30	+19 37.8	1.881	2.850	4.4	21.2
2 11	9 38.28	+20 20.2	1.856	2.839	2.1	21.1
2 21	9 28.01	+20 55.3	1.860	2.827	5.2	21.2
3 2	9 18.61	+21 18.9	1.893	2.815	9.1	21.4
3 12	9 11.05	+21 29.0	1.952	2.801	12.6	21.6
3 22	9 5.95	+21 25.6	2.032	2.788	15.7	21.8

35579 1998 HA_{36} 2 11.6 65°.41 2°.9/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.51	+19 52.6	1.760	2.625	12.5	18.4
1 22	9 55.55	+20 43.3	1.704	2.634	8.7	18.2
2 1	9 47.48	+21 36.6	1.674	2.643	4.8	17.9
2 11	9 38.23	+22 25.3	1.671	2.652	3.0	17.8
2 21	9 28.96	+23 3.3	1.697	2.661	6.0	18.0
3 2	9 20.82	+23 26.5	1.750	2.670	9.8	18.3
3 12	9 14.74	+23 33.4	1.827	2.679	13.3	18.5
3 22	9 11.24	+23 25.1	1.924	2.688	16.2	18.7

198881 2005 SX_{180} 2 11.6 188°.04 0°.1/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.13	+12 11.7	1.751	2.597	13.5	21.3
1 22	9 58.20	+12 44.4	1.676	2.596	9.6	21.0
2 1	9 48.96	+13 27.6	1.628	2.596	5.1	20.8
2 11	9 38.33	+14 15.6	1.607	2.594	0.3	20.4
2 21	9 27.49	+15 2.4	1.616	2.591	4.6	20.7
3 2	9 17.70	+15 42.1	1.654	2.588	9.2	21.0
3 12	9 10.00	+16 11.1	1.717	2.584	13.2	21.2
3 22	9 5.03	+16 27.8	1.801	2.579	16.6	21.4

202363 2005 EW_{246} 2 11.6 83°.70 1°.3/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.79	+16 4.2	2.108	2.963	11.2	20.4
1 22	9 54.04	+16 44.4	2.050	2.976	7.8	20.2
2 1	9 46.58	+17 29.8	2.018	2.988	4.0	20.0
2 11	9 38.19	+18 14.9	2.016	3.001	1.3	19.8
2 21	9 29.78	+18 54.8	2.043	3.013	4.4	20.0
3 2	9 22.29	+19 25.6	2.098	3.026	8.0	20.3
3 12	9 16.46	+19 44.9	2.180	3.038	11.2	20.5
3 22	9 12.76	+19 52.4	2.283	3.051	13.8	20.7

274561 2008 SF_{276} 2 11.6 124°.67 0°.8/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.53	+14 16.2	2.147	2.998	11.1	21.1
1 22	9 53.88	+14 58.8	2.081	3.004	7.8	20.9
2 1	9 46.52	+15 48.3	2.041	3.011	4.0	20.7
2 11	9 38.19	+16 39.5	2.031	3.017	0.8	20.5
2 21	9 29.78	+17 27.3	2.051	3.024	4.1	20.7
3 2	9 22.20	+18 7.3	2.099	3.030	7.8	21.0
3 12	9 16.24	+18 36.5	2.174	3.035	11.1	21.2
3 22	9 12.38	+18 53.8	2.271	3.041	13.8	21.4

132177 2002 EN_{26} 2 11.6 321°.95 3°.7/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.60	+ 4 13.6	1.427	2.268	16.3	19.4
1 22	9 55.37	+ 4 15.1	1.352	2.262	12.3	19.2
2 1	9 47.60	+ 4 37.2	1.300	2.257	7.8	18.9
2 11	9 38.26	+ 5 17.0	1.273	2.252	4.0	18.7
2 21	9 28.61	+ 6 8.9	1.272	2.248	5.4	18.7
3 2	9 20.06	+ 7 5.6	1.297	2.244	9.9	19.0
3 12	9 13.80	+ 7 59.6	1.346	2.240	14.4	19.2
3 22	9 10.50	+ 8 45.0	1.414	2.236	18.2	19.4

375921 2009 WK_{41} 2 11.6 59°.62 2°.4/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 59.89	+ 6 10.7	1.822	2.657	13.6	20.9
1 22	9 54.29	+ 6 19.0	1.758	2.667	10.0	20.7
2 1	9 46.78	+ 6 41.8	1.718	2.678	6.0	20.5
2 11	9 38.21	+ 7 15.7	1.706	2.688	2.6	20.3
2 21	9 29.58	+ 7 55.9	1.722	2.699	4.2	20.4
3 2	9 21.93	+ 8 37.4	1.767	2.710	8.0	20.7
3 12	9 16.11	+ 9 15.0	1.837	2.721	11.6	20.9
3 22	9 12.63	+ 9 45.4	1.928	2.732	14.8	21.1

286686 2002 FB_{2} 2 11.6 298°.82 1°.2/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.97	+ 8 46.7	1.440	2.295	15.4	20.4
1 22	9 55.12	+ 9 16.9	1.351	2.274	11.2	20.1
2 1	9 47.61	+10 5.3	1.285	2.252	6.4	19.8
2 11	9 38.28	+11 7.0	1.245	2.230	1.5	19.4
2 21	9 28.40	+12 14.7	1.231	2.209	5.0	19.6
3 2	9 19.42	+13 19.9	1.243	2.188	10.4	19.8
3 12	9 12.70	+14 15.2	1.279	2.167	15.4	20.1
3 22	9 9.06	+14 56.2	1.334	2.146	19.6	20.3

28790 2000 HK_{58} 2 11.6 177°.23 0°.2/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.21	+12 35.5	1.869	2.720	12.6	19.2
1 22	9 55.31	+13 8.7	1.798	2.720	8.9	18.9
2 1	9 47.38	+13 51.4	1.752	2.721	4.7	18.7
2 11	9 38.27	+14 38.3	1.735	2.721	0.3	18.3
2 21	9 29.00	+15 23.8	1.746	2.721	4.3	18.7
3 2	9 20.68	+16 2.7	1.786	2.721	8.5	18.9
3 12	9 14.22	+16 31.4	1.851	2.721	12.3	19.1
3 22	9 10.17	+16 48.3	1.938	2.721	15.4	19.4

199017 2005 WS_{93} 2 11.6 338°.66 1°.5/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.44	+ 9 22.3	1.277	2.138	16.6	20.4
1 22	9 56.18	+ 9 34.5	1.208	2.133	12.0	20.1
2 1	9 48.12	+10 3.3	1.161	2.129	6.8	19.8
2 11	9 38.32	+10 43.8	1.139	2.124	1.7	19.4
2 21	9 28.23	+11 29.0	1.142	2.121	5.2	19.7
3 2	9 19.42	+12 11.4	1.171	2.118	10.7	19.9
3 12	9 13.19	+12 44.9	1.222	2.115	15.6	20.2
3 22	9 10.23	+13 6.1	1.292	2.113	19.7	20.5

426426 2013 QC_{19} 2 11.6 141°.31 0°.3/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.38	+11 55.8	1.938	2.788	12.2	21.3
1 22	9 53.96	+12 47.1	1.869	2.791	8.6	21.1
2 1	9 46.65	+13 48.9	1.825	2.794	4.5	20.8
2 11	9 38.23	+14 55.5	1.810	2.797	0.3	20.5
2 21	9 29.66	+16 0.4	1.825	2.800	4.2	20.8
3 2	9 21.98	+16 57.8	1.868	2.802	8.3	21.1
3 12	9 16.04	+17 43.4	1.937	2.804	11.9	21.3
3 22	9 12.37	+18 15.5	2.027	2.807	14.9	21.5

301214 2009 AU_{45} 2 11.6 97°.58 0°.7/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.03	+14 6.6	1.616	2.468	14.1	21.6
1 22	9 58.68	+14 36.9	1.567	2.491	9.8	21.4
2 1	9 49.10	+15 15.0	1.543	2.513	5.1	21.2
2 11	9 38.37	+15 54.7	1.547	2.534	0.7	20.9
2 21	9 27.76	+16 29.7	1.581	2.555	4.8	21.2
3 2	9 18.52	+16 55.7	1.642	2.575	9.3	21.5
3 12	9 11.61	+17 10.0	1.728	2.595	13.1	21.8
3 22	9 7.48	+17 12.5	1.834	2.614	16.3	22.1

301587 2010 CB_{10} 2 11.6 249°.57 2°.9/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.31	+23 34.2	2.819	3.672	8.7	21.6
1 22	9 54.29	+24 16.5	2.731	3.654	6.2	21.4
2 1	9 46.74	+24 58.6	2.671	3.634	3.8	21.2
2 11	9 38.24	+25 35.6	2.642	3.615	3.1	21.1
2 21	9 29.53	+26 3.7	2.643	3.594	5.0	21.2
3 2	9 21.40	+26 19.9	2.673	3.574	7.7	21.4
3 12	9 14.58	+26 23.4	2.730	3.553	10.3	21.5
3 22	9 9.55	+26 14.4	2.809	3.531	12.5	21.6

311296 2005 GW_{208} 2 11.6 329°.56 11°.3/ 2.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.84	+35 55.8	1.296	2.171	15.4	20.3
1 22	9 57.74	+37 59.6	1.244	2.158	12.7	20.1
2 1	9 49.17	+39 50.7	1.214	2.146	11.3	20.0
2 11	9 38.39	+41 13.3	1.207	2.134	12.1	20.0
2 21	9 27.25	+41 56.8	1.223	2.124	14.6	20.1
3 2	9 17.77	+41 57.9	1.260	2.114	17.7	20.3
3 12	9 11.53	+41 20.6	1.314	2.105	20.9	20.4
3 22	9 9.25	+40 12.8	1.383	2.097	23.6	20.6

251644 2010 MF_{4} 2 11.6 201°.12 0°.1/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.90	+11 46.7	1.895	2.742	12.6	21.3
1 22	9 55.83	+12 29.0	1.818	2.739	8.9	21.1
2 1	9 47.69	+13 22.2	1.767	2.735	4.8	20.8
2 11	9 38.30	+14 20.7	1.745	2.731	0.3	20.5
2 21	9 28.69	+15 18.4	1.752	2.727	4.3	20.8
3 2	9 19.97	+16 9.4	1.788	2.722	8.6	21.0
3 12	9 13.09	+16 49.5	1.849	2.716	12.4	21.2
3 22	9 8.65	+17 16.8	1.932	2.710	15.6	21.5

2523 Ryba 2 11.6 306°.16 3°.0/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 59.46	+ 4 38.5	2.143	2.965	12.3	16.1
1 22	9 53.88	+ 4 29.1	2.062	2.962	9.2	15.8
2 1	9 46.58	+ 4 32.7	2.006	2.959	5.9	15.6
2 11	9 38.24	+ 4 47.5	1.978	2.956	3.2	15.5
2 21	9 29.73	+ 5 10.5	1.979	2.953	4.1	15.5
3 2	9 21.98	+ 5 37.9	2.009	2.950	7.4	15.7
3 12	9 15.77	+ 6 5.5	2.066	2.947	10.7	15.9
3 22	9 11.63	+ 6 29.8	2.145	2.944	13.6	16.1

364204 2006 QR_{100} 2 11.6 219°.43 6°.2/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.57	− 7 19.0	2.277	3.035	13.7	22.4
1 22	9 54.71	− 7 20.6	2.179	3.024	11.3	22.2
2 1	9 47.06	− 7 0.5	2.104	3.012	8.7	22.0
2 11	9 38.28	− 6 18.5	2.057	3.000	6.7	21.9
2 21	9 29.19	− 5 17.1	2.037	2.987	6.4	21.8
3 2	9 20.71	− 4 1.4	2.047	2.973	8.2	21.9
3 12	9 13.68	− 2 38.1	2.084	2.958	10.9	22.0
3 22	9 8.69	− 1 14.1	2.145	2.942	13.7	22.2

275588 1999 VR_3 2 11.6 192°.36 0°.8/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.98	+13 35.3	1.791	2.639	13.1	22.6
1 22	9 58.11	+14 22.8	1.716	2.638	9.3	22.4
2 1	9 48.95	+15 20.1	1.667	2.636	4.9	22.1
2 11	9 38.39	+16 20.6	1.646	2.633	0.8	21.8
2 21	9 27.59	+17 17.5	1.655	2.628	4.8	22.1
3 2	9 17.79	+18 4.8	1.693	2.623	9.3	22.4
3 12	9 10.05	+18 38.8	1.757	2.617	13.3	22.6
3 22	9 5.00	+18 58.4	1.841	2.611	16.6	22.8

227376 2005 UM_{233} 2 11.6 287°.50 6°.3/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.16	− 4 28.8	1.838	2.630	15.2	20.4
1 22	9 53.33	− 4 35.1	1.745	2.615	12.4	20.1
2 1	9 46.46	− 4 17.6	1.674	2.600	9.3	19.9
2 11	9 38.25	− 3 36.2	1.628	2.585	6.8	19.7
2 21	9 29.66	− 2 34.1	1.610	2.570	6.6	19.7
3 2	9 21.79	− 1 17.3	1.618	2.555	9.1	19.8
3 12	9 15.64	+ 0 6.3	1.651	2.540	12.5	20.0
3 22	9 11.87	+ 1 28.6	1.707	2.525	15.8	20.1

160756 2000 SE_{96} 2 11.6 40°.13 0°.8/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.24	+11 39.3	1.357	2.216	15.9	19.3
1 22	9 57.90	+11 39.2	1.296	2.221	11.4	19.0
2 1	9 48.91	+11 50.8	1.258	2.227	6.2	18.7
2 11	9 38.38	+12 9.3	1.246	2.232	1.0	18.4
2 21	9 27.78	+12 29.2	1.261	2.238	5.0	18.7
3 2	9 18.58	+12 45.3	1.302	2.245	10.2	19.0
3 12	9 11.96	+12 53.8	1.366	2.252	14.7	19.3
3 22	9 8.48	+12 52.9	1.449	2.258	18.5	19.5

202133 2004 TU_{201} 2 11.6 216°.36 1°.4/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.12	+16 40.6	2.026	2.882	11.5	21.0
1 22	9 55.15	+17 12.0	1.954	2.880	8.1	20.8
2 1	9 47.28	+17 48.3	1.908	2.878	4.2	20.6
2 11	9 38.29	+18 24.4	1.891	2.876	1.4	20.4
2 21	9 29.17	+18 55.3	1.904	2.874	4.6	20.6
3 2	9 20.95	+19 17.1	1.944	2.872	8.4	20.8
3 12	9 14.48	+19 27.6	2.011	2.870	11.9	21.0
3 22	9 10.31	+19 26.3	2.098	2.868	14.8	21.2

377428 2004 TW_{198} 2 11.6 134°.61 1°.7/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.44	+ 7 0.7	2.105	2.936	12.1	21.7
1 22	9 53.85	+ 7 25.7	2.034	2.943	8.8	21.5
2 1	9 46.55	+ 8 3.4	1.988	2.949	5.2	21.3
2 11	9 38.26	+ 8 50.1	1.971	2.954	1.9	21.1
2 21	9 29.86	+ 9 41.1	1.983	2.960	3.6	21.2
3 2	9 22.28	+10 31.4	2.025	2.965	7.3	21.4
3 12	9 16.29	+11 16.3	2.093	2.970	10.7	21.6
3 22	9 12.39	+11 52.9	2.184	2.975	13.7	21.8

131940 2002 CR_{24} 2 11.6 303°.71 4°.6/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.81	+ 2 28.0	1.451	2.284	16.5	19.6
1 22	9 55.56	+ 2 19.4	1.372	2.275	12.7	19.3
2 1	9 47.76	+ 2 32.3	1.315	2.267	8.4	19.1
2 11	9 38.35	+ 3 5.1	1.282	2.258	4.9	18.8
2 21	9 28.56	+ 3 53.1	1.276	2.250	5.8	18.9
3 2	9 19.81	+ 4 49.3	1.297	2.242	10.0	19.1
3 12	9 13.30	+ 5 45.9	1.340	2.235	14.4	19.3
3 22	9 9.75	+ 6 36.3	1.404	2.227	18.3	19.5

206952 2004 RE_{310} 2 11.6 111°.80 1°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.94	+15 1.8	1.771	2.621	13.2	20.9
1 22	9 58.52	+15 42.7	1.721	2.644	9.2	20.7
2 1	9 49.01	+16 29.9	1.696	2.666	4.7	20.5
2 11	9 38.41	+17 17.2	1.701	2.687	1.1	20.3
2 21	9 27.91	+17 58.4	1.735	2.707	4.8	20.6
3 2	9 18.66	+18 29.3	1.798	2.727	9.0	20.9
3 12	9 11.57	+18 47.5	1.886	2.746	12.6	21.1
3 22	9 7.10	+18 52.9	1.996	2.764	15.5	21.4

208259 2000 WX_5 2 11.6 18°.07 3°.6/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 4.74	+20 56.9	1.304	2.179	15.3	19.2
1 22	9 58.44	+21 28.6	1.248	2.181	10.8	19.0
2 1	9 49.25	+22 2.0	1.214	2.184	6.1	18.7
2 11	9 38.43	+22 28.5	1.207	2.188	3.7	18.6
2 21	9 27.57	+22 41.3	1.225	2.192	7.2	18.8
3 2	9 18.28	+22 36.5	1.268	2.196	12.0	19.0
3 12	9 11.80	+22 14.3	1.334	2.201	16.2	19.3
3 22	9 8.68	+21 36.9	1.417	2.207	19.8	19.6

346788 2009 BZ_{144} 2 11.6 268°.38 0°.9/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.17	+13 52.6	2.274	3.125	10.6	20.4
1 22	9 52.25	+14 49.7	2.200	3.124	7.4	20.2
2 1	9 45.72	+15 54.6	2.153	3.123	3.8	20.0
2 11	9 38.23	+17 2.2	2.135	3.121	0.9	19.8
2 21	9 30.59	+18 6.6	2.148	3.120	4.0	20.0
3 2	9 23.64	+19 3.0	2.190	3.119	7.6	20.2
3 12	9 18.16	+19 47.8	2.258	3.117	10.8	20.4
3 22	9 14.61	+20 19.4	2.348	3.116	13.5	20.6

200612 2001 SH_{16} 2 11.6 53°.75 5°.2/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.88	+24 32.2	1.203	2.078	16.3	20.2
1 22	10 1.33	+25 6.8	1.161	2.093	11.6	19.9
2 1	9 50.70	+25 37.2	1.143	2.109	7.1	19.7
2 11	9 38.52	+25 53.7	1.149	2.125	5.3	19.7
2 21	9 26.62	+25 50.3	1.181	2.142	8.5	19.9
3 2	9 16.75	+25 25.4	1.238	2.159	12.9	20.2
3 12	9 10.07	+24 41.8	1.316	2.176	17.0	20.5
3 22	9 7.01	+23 43.9	1.413	2.193	20.3	20.8

14309 Defoy 2 11.6 206°.00 1°.2/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.05	+ 7 9.2	2.923	3.740	9.5	20.1
1 22	9 53.99	+ 7 40.8	2.830	3.732	6.9	19.9
2 1	9 46.56	+ 8 22.1	2.764	3.723	4.0	19.7
2 11	9 38.28	+ 9 10.4	2.729	3.713	1.4	19.5
2 21	9 29.82	+10 2.0	2.727	3.702	2.9	19.6
3 2	9 21.87	+10 53.1	2.756	3.691	5.9	19.8
3 12	9 15.05	+11 40.1	2.814	3.678	8.7	20.0
3 22	9 9.84	+12 20.5	2.896	3.664	11.2	20.1

234408 2001 RY_{22} 2 11.6 233°.24 3°.0/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.52	+ 0 57.5	2.465	3.270	11.4	20.6
1 22	9 51.71	+ 1 33.5	2.374	3.263	8.7	20.4
2 1	9 45.42	+ 2 26.0	2.310	3.255	5.8	20.2
2 11	9 38.21	+ 3 32.2	2.273	3.248	3.3	20.1
2 21	9 30.82	+ 4 47.9	2.267	3.240	3.7	20.1
3 2	9 23.99	+ 6 7.4	2.291	3.232	6.6	20.2
3 12	9 18.44	+ 7 25.3	2.343	3.224	9.6	20.4
3 22	9 14.63	+ 8 36.7	2.419	3.215	12.3	20.6

469174 2016 CN_{259} 2 11.6 350°.24 10°.1/18.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 55.34	− 8 9.5	1.316	2.117	19.7	20.7
1 22	9 51.86	− 9 0.7	1.241	2.107	16.6	20.5
2 1	9 45.86	− 9 19.7	1.185	2.099	13.4	20.3
2 11	9 38.25	− 9 3.5	1.149	2.092	10.8	20.1
2 21	9 30.26	− 8 13.5	1.137	2.086	10.3	20.0
3 2	9 23.29	− 6 56.3	1.147	2.082	12.2	20.1
3 12	9 18.60	− 5 23.4	1.179	2.080	15.4	20.3
3 22	9 16.91	− 3 46.4	1.230	2.078	18.8	20.5

387394 2013 BX_{78} 2 11.6 93°.23 0°.8/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.18	+12 12.3	1.448	2.308	15.0	20.9
1 22	9 56.34	+13 21.3	1.393	2.320	10.5	20.6
2 1	9 48.05	+14 43.5	1.362	2.333	5.5	20.4
2 11	9 38.37	+16 10.2	1.359	2.345	0.8	20.1
2 21	9 28.63	+17 31.8	1.383	2.357	5.4	20.4
3 2	9 20.19	+18 40.2	1.434	2.369	10.2	20.7
3 12	9 14.11	+19 30.9	1.509	2.381	14.4	21.0
3 22	9 10.96	+20 2.6	1.604	2.393	17.9	21.3

13206 Baer 2 11.6 109°.64 0°.4/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.65	+10 53.1	2.096	2.939	11.7	19.3
1 22	9 54.00	+11 26.1	2.030	2.949	8.3	19.1
2 1	9 46.62	+12 8.7	1.991	2.958	4.5	18.8
2 11	9 38.29	+12 56.4	1.980	2.967	0.5	18.5
2 21	9 29.89	+13 44.2	1.999	2.976	3.7	18.8
3 2	9 22.34	+14 27.3	2.048	2.984	7.5	19.1
3 12	9 16.42	+15 2.1	2.122	2.993	10.9	19.3
3 22	9 12.61	+15 26.8	2.219	3.001	13.7	19.5

76689 2000 HL_{73} 2 11.6 222°.82 2°.9/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.60	+20 53.7	2.424	3.283	9.7	19.7
1 22	9 53.26	+22 4.8	2.351	3.277	6.8	19.5
2 1	9 46.27	+23 18.6	2.305	3.271	4.0	19.4
2 11	9 38.28	+24 28.8	2.289	3.265	3.1	19.3
2 21	9 30.10	+25 29.6	2.304	3.259	5.4	19.4
3 2	9 22.59	+26 17.0	2.347	3.252	8.4	19.6
3 12	9 16.54	+26 48.8	2.416	3.245	11.2	19.8
3 22	9 12.45	+27 4.9	2.506	3.238	13.6	19.9

121401 1999 TX_{129} 2 11.6 96°.27 1°.4/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 1.73	+16 49.4	1.937	2.794	11.9	19.7
1 22	9 55.62	+17 17.0	1.871	2.797	8.3	19.5
2 1	9 47.54	+17 49.3	1.830	2.800	4.4	19.2
2 11	9 38.35	+18 21.1	1.818	2.803	1.4	19.0
2 21	9 29.08	+18 47.3	1.835	2.807	4.7	19.3
3 2	9 20.80	+19 4.3	1.881	2.810	8.6	19.5
3 12	9 14.37	+19 10.1	1.951	2.813	12.1	19.7
3 22	9 10.32	+19 4.4	2.043	2.816	15.1	19.9

401978 2002 UL_{16} 2 11.6 86°.27 0°.9/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.26	+13 35.0	1.761	2.613	13.1	21.4
1 22	9 56.62	+14 32.3	1.718	2.641	9.1	21.2
2 1	9 48.00	+15 37.6	1.700	2.669	4.7	21.0
2 11	9 38.38	+16 43.9	1.710	2.696	0.9	20.8
2 21	9 28.88	+17 44.4	1.750	2.723	4.7	21.1
3 2	9 20.59	+18 33.6	1.819	2.749	8.8	21.4
3 12	9 14.35	+19 8.8	1.913	2.775	12.3	21.7
3 22	9 10.61	+19 29.4	2.028	2.800	15.2	21.9

202257 2005 AM_{32} 2 11.6 27°.21 2°.5/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.21	+ 8 31.4	1.293	2.148	16.7	19.4
1 22	9 57.27	+ 8 16.2	1.233	2.153	12.3	19.2
2 1	9 48.63	+ 8 16.5	1.195	2.160	7.2	18.9
2 11	9 38.44	+ 8 28.8	1.182	2.166	2.7	18.6
2 21	9 28.15	+ 8 48.2	1.196	2.173	5.2	18.8
3 2	9 19.29	+ 9 9.0	1.235	2.181	10.2	19.1
3 12	9 13.02	+ 9 26.0	1.296	2.190	14.8	19.4
3 22	9 9.93	+ 9 35.8	1.377	2.198	18.7	19.7

275187 2009 WN_{77} 2 11.6 3°.32 4°.3/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.14	+ 2 24.7	1.765	2.587	14.5	20.5
1 22	9 54.65	+ 2 4.9	1.690	2.587	11.1	20.3
2 1	9 47.11	+ 2 2.2	1.639	2.587	7.5	20.1
2 11	9 38.35	+ 2 15.4	1.614	2.587	4.6	19.9
2 21	9 29.40	+ 2 41.3	1.617	2.588	5.2	19.9
3 2	9 21.38	+ 3 15.2	1.647	2.589	8.6	20.1
3 12	9 15.22	+ 3 51.3	1.702	2.590	12.2	20.4
3 22	9 11.51	+ 4 24.8	1.779	2.592	15.4	20.6

334109 2001 QC_{248} 2 11.6 91°.36 1°.5/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.56	+17 40.7	2.480	3.330	9.9	21.1
1 22	9 54.35	+18 16.9	2.431	3.354	6.8	21.0
2 1	9 46.70	+18 55.7	2.409	3.378	3.6	20.8
2 11	9 38.32	+19 32.5	2.418	3.402	1.5	20.7
2 21	9 30.01	+20 3.5	2.457	3.425	4.0	20.9
3 2	9 22.53	+20 25.7	2.526	3.447	7.1	21.1
3 12	9 16.55	+20 37.8	2.621	3.470	9.8	21.3
3 22	9 12.44	+20 39.7	2.739	3.492	12.1	21.5

117455 2005 AL_{61} 2 11.6 318°.56 1°.8/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.46	+17 18.9	1.452	2.318	14.6	19.7
1 22	9 58.14	+17 37.2	1.382	2.312	10.3	19.4
2 1	9 49.12	+18 0.9	1.336	2.307	5.5	19.1
2 11	9 38.48	+18 23.7	1.317	2.302	1.8	18.8
2 21	9 27.63	+18 39.3	1.325	2.297	5.8	19.1
3 2	9 18.06	+18 43.5	1.359	2.293	10.8	19.3
3 12	9 11.00	+18 34.3	1.416	2.289	15.2	19.6
3 22	9 7.09	+18 12.4	1.492	2.285	18.8	19.8

299451 2006 BC_{47} 2 11.6 29°.36 0°.2/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.36	+13 7.3	1.202	2.070	16.8	20.0
1 22	9 58.23	+13 8.1	1.146	2.076	12.0	19.7
2 1	9 49.18	+13 19.9	1.112	2.083	6.4	19.4
2 11	9 38.48	+13 37.1	1.103	2.090	0.5	19.0
2 21	9 27.74	+13 53.6	1.120	2.098	5.5	19.4
3 2	9 18.60	+14 4.1	1.162	2.106	11.0	19.7
3 12	9 12.30	+14 5.2	1.226	2.115	15.8	20.0
3 22	9 9.40	+13 55.7	1.308	2.125	19.7	20.3

295933 2008 XB_{6} 2 11.6 98°.10 1°.2/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.84	+ 9 39.8	2.158	2.995	11.7	20.2
1 22	9 54.78	+ 9 43.4	2.089	3.003	8.4	20.0
2 1	9 47.03	+ 9 56.3	2.047	3.011	4.7	19.8
2 11	9 38.35	+10 15.3	2.033	3.018	1.4	19.5
2 21	9 29.60	+10 37.0	2.050	3.026	3.6	19.7
3 2	9 21.71	+10 57.7	2.095	3.034	7.2	19.9
3 12	9 15.43	+11 14.2	2.167	3.041	10.5	20.2
3 22	9 11.24	+11 24.7	2.262	3.049	13.4	20.4

272538 2005 UY_{317} 2 11.6 210°.69 0°.4/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.89	+11 18.8	1.970	2.816	12.2	21.7
1 22	9 55.06	+11 44.7	1.894	2.813	8.7	21.4
2 1	9 47.29	+12 20.6	1.843	2.810	4.7	21.2
2 11	9 38.37	+13 2.1	1.821	2.807	0.5	20.8
2 21	9 29.27	+13 43.9	1.828	2.804	4.0	21.1
3 2	9 21.02	+14 21.4	1.863	2.800	8.1	21.4
3 12	9 14.52	+14 50.7	1.925	2.797	11.8	21.6
3 22	9 10.32	+15 9.8	2.008	2.793	14.9	21.8

285918 2001 QX_{175} 2 11.6 112°.29 0°.3/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 2.12	+11 28.0	1.892	2.738	12.7	21.9
1 22	9 55.84	+11 57.8	1.831	2.751	9.0	21.7
2 1	9 47.64	+12 37.2	1.796	2.763	4.8	21.5
2 11	9 38.39	+13 21.3	1.789	2.776	0.4	21.2
2 21	9 29.11	+14 4.8	1.812	2.788	4.0	21.5
3 2	9 20.84	+14 42.8	1.863	2.800	8.1	21.8
3 12	9 14.44	+15 11.7	1.940	2.811	11.8	22.0
3 22	9 10.41	+15 29.9	2.039	2.822	14.8	22.2

413882 2006 VX_{49} 2 11.6 137°.39 4°.1/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.75	+23 46.1	1.988	2.848	11.5	21.8
1 22	9 57.04	+24 49.8	1.933	2.858	8.2	21.6
2 1	9 48.30	+25 52.2	1.905	2.868	5.1	21.4
2 11	9 38.43	+26 46.1	1.905	2.877	4.2	21.4
2 21	9 28.53	+27 25.5	1.935	2.885	6.6	21.5
3 2	9 19.70	+27 47.2	1.993	2.894	9.9	21.7
3 12	9 12.85	+27 50.7	2.075	2.901	12.9	22.0
3 22	9 8.48	+27 38.0	2.177	2.908	15.4	22.2

142524 2002 TT_{44} 2 11.6 137°.78 0°.0/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.90	+11 32.7	2.008	2.851	12.1	20.9
1 22	9 55.64	+12 13.8	1.943	2.862	8.6	20.7
2 1	9 47.53	+13 4.5	1.905	2.873	4.6	20.5
2 11	9 38.39	+13 59.7	1.896	2.883	0.3	20.2
2 21	9 29.17	+14 53.5	1.917	2.892	4.0	20.5
3 2	9 20.88	+15 41.0	1.967	2.901	7.9	20.7
3 12	9 14.36	+16 18.4	2.043	2.910	11.5	21.0
3 22	9 10.11	+16 44.2	2.142	2.917	14.4	21.2

384862 2012 SL_{29} 2 11.6 161°.77 3°.1/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.02	+ 2 47.4	2.392	3.202	11.6	21.2
1 22	9 53.44	+ 2 45.9	2.313	3.205	8.8	21.0
2 1	9 46.33	+ 2 57.6	2.260	3.207	5.8	20.9
2 11	9 38.32	+ 3 20.9	2.235	3.209	3.4	20.7
2 21	9 30.20	+ 3 52.7	2.240	3.211	4.0	20.7
3 2	9 22.75	+ 4 29.3	2.274	3.213	6.7	20.9
3 12	9 16.69	+ 5 6.5	2.335	3.214	9.7	21.1
3 22	9 12.49	+ 5 40.5	2.420	3.215	12.4	21.3

518978 2010 HA_{76} 2 11.6 278°.96 0°.6/12.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.84	+ 7 33.9	2.494	3.325	10.5	21.8
1 22	9 52.07	+ 8 48.2	2.390	3.301	7.6	21.5
2 1	9 45.70	+10 17.0	2.313	3.277	4.2	21.3
2 11	9 38.29	+11 55.8	2.267	3.253	0.8	21.0
2 21	9 30.54	+13 38.5	2.252	3.228	3.4	21.1
3 2	9 23.25	+15 18.3	2.268	3.203	7.0	21.3
3 12	9 17.19	+16 49.4	2.313	3.178	10.4	21.5
3 22	9 12.92	+18 7.9	2.382	3.153	13.2	21.6

171316 2006 HK_{54} 2 11.6 228°.08 1°.3/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.45	+ 8 38.7	1.853	2.691	13.2	21.2
1 22	9 56.34	+ 9 4.2	1.768	2.682	9.6	20.9
2 1	9 48.07	+ 9 43.2	1.708	2.672	5.5	20.6
2 11	9 38.44	+10 31.5	1.675	2.661	1.4	20.3
2 21	9 28.49	+11 23.8	1.672	2.649	4.2	20.5
3 2	9 19.38	+12 13.9	1.698	2.637	8.6	20.7
3 12	9 12.13	+12 57.0	1.750	2.625	12.6	21.0
3 22	9 7.38	+13 29.8	1.823	2.612	16.0	21.2

162731 2000 VG_{22} 2 11.6 174°.39 1°.9/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.89	+ 6 56.9	1.844	2.676	13.5	20.3
1 22	9 56.54	+ 7 15.5	1.770	2.679	9.9	20.1
2 1	9 48.11	+ 7 48.5	1.720	2.681	5.8	19.9
2 11	9 38.45	+ 8 31.9	1.699	2.682	2.2	19.6
2 21	9 28.61	+ 9 20.7	1.707	2.683	4.2	19.8
3 2	9 19.72	+10 9.1	1.743	2.684	8.3	20.0
3 12	9 12.72	+10 52.1	1.806	2.683	12.1	20.3
3 22	9 8.20	+11 26.3	1.890	2.683	15.4	20.5

385325 2002 CK_{25} 2 11.6 358°.21 2°.9/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 48.05	+23 32.3	0.636	1.500	27.8	21.1
1 22	10 31.92	+19 47.1	0.572	1.498	20.7	20.7
2 1	10 8.14	+15 14.9	0.528	1.497	11.5	20.2
2 11	9 39.71	+10 5.0	0.510	1.496	2.9	19.7
2 21	9 11.67	+ 4 53.0	0.522	1.496	10.9	20.1
3 2	8 48.83	+ 0 19.7	0.559	1.497	20.2	20.6
3 12	8 33.64	− 3 17.1	0.617	1.498	27.6	21.1
3 22	8 26.11	− 6 2.2	0.688	1.501	33.0	21.5

249265 2008 SN_{103} 2 11.6 343°.34 11°.1/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.20	+44 1.2	1.827	2.663	13.5	19.7
1 22	10 0.15	+45 25.0	1.783	2.659	11.8	19.6
2 1	9 50.19	+46 29.2	1.763	2.654	11.1	19.5
2 11	9 38.59	+47 3.8	1.766	2.650	11.6	19.6
2 21	9 26.98	+47 3.9	1.793	2.647	13.1	19.6
3 2	9 17.00	+46 29.4	1.842	2.644	15.2	19.8
3 12	9 9.87	+45 25.4	1.910	2.641	17.2	19.9
3 22	9 6.13	+43 58.8	1.994	2.639	19.1	20.1

30377 2000 JL_{66} 2 11.7 211°.89 4°.0/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 1.30	+22 41.8	2.100	2.961	10.9	18.4
1 22	9 55.44	+24 10.3	2.029	2.956	7.8	18.1
2 1	9 47.56	+25 40.9	1.986	2.950	4.9	18.0
2 11	9 38.44	+27 5.3	1.973	2.943	4.2	17.9
2 21	9 29.06	+28 16.2	1.989	2.937	6.7	18.0
3 2	9 20.51	+29 8.7	2.033	2.929	10.0	18.2
3 12	9 13.71	+29 40.9	2.102	2.922	13.0	18.4
3 22	9 9.27	+29 53.7	2.191	2.913	15.6	18.6

466153 2012 HC_{57} 2 11.7 269°.59 0°.3/11.9 17

1 12	9 59.98	+10 34.2	1.997	2.842	12.2	21.7
1 22	9 54.60	+11 17.3	1.901	2.820	8.7	21.4
2 1	9 47.18	+12 13.1	1.831	2.798	4.8	21.2
2 11	9 38.42	+13 16.7	1.789	2.775	0.5	20.8
2 21	9 29.26	+14 22.2	1.776	2.752	4.1	21.0
3 2	9 20.75	+15 23.2	1.793	2.729	8.4	21.2
3 12	9 13.89	+16 14.8	1.835	2.705	12.4	21.4
3 22	9 9.34	+16 53.9	1.900	2.681	15.7	21.6

256095 2006 UM_{229} 2 11.7 91°.74 8°.4/ 4.4 18

1 12	10 6.14	+34 39.5	1.787	2.644	12.7	20.3
1 22	9 59.04	+36 29.7	1.758	2.665	10.1	20.2
2 1	9 49.45	+38 6.8	1.756	2.686	8.5	20.2
2 11	9 38.55	+39 20.5	1.780	2.707	8.9	20.2
2 21	9 27.72	+40 4.6	1.831	2.727	10.7	20.4
3 2	9 18.36	+40 18.1	1.906	2.747	13.2	20.6
3 12	9 11.51	+40 4.0	2.002	2.766	15.5	20.8
3 22	9 7.65	+39 28.0	2.115	2.786	17.5	21.0

15983 1998 WM_{1} 2 11.7 192°.35 2°.1/13.4 18

1 12	10 1.54	+ 5 56.6	2.196	3.018	12.0	18.6
1 22	9 55.37	+ 6 10.7	2.114	3.016	8.9	18.4
2 1	9 47.43	+ 6 37.5	2.057	3.014	5.4	18.2
2 11	9 38.44	+ 7 14.3	2.030	3.011	2.3	18.0
2 21	9 29.26	+ 7 57.0	2.032	3.008	3.8	18.1
3 2	9 20.82	+ 8 40.9	2.065	3.004	7.3	18.3
3 12	9 13.95	+ 9 21.7	2.124	2.999	10.7	18.5
3 22	9 9.17	+ 9 56.1	2.207	2.994	13.7	18.7

207624 2006 SY_{14} 2 11.7 203°.24 1°.5/13.2 18

1 12	9 57.95	+ 7 8.4	2.691	3.515	10.0	20.7
1 22	9 52.60	+ 7 25.0	2.607	3.512	7.3	20.5
2 1	9 45.88	+ 7 51.5	2.549	3.508	4.3	20.3
2 11	9 38.34	+ 8 25.1	2.521	3.504	1.7	20.1
2 21	9 30.67	+ 9 2.8	2.524	3.500	3.1	20.2
3 2	9 23.57	+ 9 40.8	2.557	3.495	6.1	20.4
3 12	9 17.68	+10 15.8	2.617	3.491	9.0	20.6
3 22	9 13.45	+10 45.2	2.702	3.485	11.5	20.8

394867 2008 TF_{158} 2 11.7 166°.34 0°.5/11.3 18

1 12	10 3.84	+12 33.4	1.749	2.598	13.4	22.0
1 22	9 57.32	+13 25.4	1.681	2.603	9.4	21.7
2 1	9 48.57	+14 28.2	1.638	2.607	4.9	21.5
2 11	9 38.52	+15 35.3	1.624	2.611	0.6	21.1
2 21	9 28.29	+16 39.3	1.640	2.614	4.7	21.5
3 2	9 19.12	+17 33.9	1.684	2.616	9.2	21.7
3 12	9 12.01	+18 15.0	1.753	2.617	13.1	22.0
3 22	9 7.55	+18 41.3	1.843	2.618	16.4	22.2

381978 2010 FE_{98} 2 11.7 334°.75 5°.3/ 7.5 17

1 12	10 0.49	+26 28.5	1.768	2.639	12.2	20.6
1 22	9 55.13	+27 27.7	1.701	2.629	8.9	20.4
2 1	9 47.48	+28 24.3	1.659	2.619	6.1	20.2
2 11	9 38.45	+29 10.0	1.644	2.610	5.6	20.1
2 21	9 29.23	+29 38.3	1.656	2.602	8.0	20.2
3 2	9 21.07	+29 45.7	1.694	2.594	11.4	20.4
3 12	9 15.03	+29 32.0	1.755	2.587	14.6	20.6
3 22	9 11.69	+28 59.7	1.834	2.580	17.5	20.8

56854 2000 QL_{71} 2 11.7 293°.04 0°.3/11.4 18

1 12	10 0.77	+14 41.1	2.290	3.137	10.7	19.3
1 22	9 54.75	+14 48.9	2.214	3.136	7.5	19.1
2 1	9 47.07	+15 1.7	2.165	3.134	4.0	18.8
2 11	9 38.42	+15 16.0	2.146	3.132	0.4	18.5
2 21	9 29.68	+15 28.4	2.156	3.131	3.7	18.8
3 2	9 21.71	+15 36.0	2.196	3.129	7.3	19.0
3 12	9 15.30	+15 36.7	2.262	3.128	10.5	19.2
3 22	9 10.91	+15 29.9	2.351	3.126	13.3	19.4

135396 2001 TO_{206} 2 11.7 145°.48 5°.2/ 5.4 18

1 12	10 0.29	+31 7.8	2.758	3.611	8.9	20.6
1 22	9 54.35	+32 30.2	2.708	3.619	6.8	20.5
2 1	9 46.83	+33 47.0	2.686	3.628	5.4	20.4
2 11	9 38.41	+34 51.9	2.695	3.635	5.5	20.4
2 21	9 29.89	+35 40.5	2.732	3.643	7.0	20.5
3 2	9 22.12	+36 10.4	2.797	3.650	9.1	20.7
3 12	9 15.81	+36 21.8	2.887	3.656	11.1	20.8
3 22	9 11.42	+36 16.6	2.996	3.663	12.8	21.0

259225 2003 BK_{26} 2 11.7 349°.55 7°.2/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 0.32	− 2 39.4	1.525	2.334	17.0	19.5
1 22	9 55.11	− 3 26.6	1.449	2.330	13.7	19.2
2 1	9 47.53	− 3 50.8	1.395	2.326	10.3	19.0
2 11	9 38.46	− 3 50.7	1.366	2.323	7.6	18.9
2 21	9 29.10	− 3 28.2	1.361	2.321	7.7	18.8
3 2	9 20.74	− 2 48.4	1.382	2.319	10.4	19.0
3 12	9 14.51	− 1 59.0	1.427	2.318	13.9	19.2
3 22	9 11.07	− 1 7.7	1.492	2.317	17.3	19.4

419471 2010 CQ_{204} 2 11.7 86°.37 2°.7/ 9.3 18

1 12	10 1.45	+18 57.6	1.952	2.812	11.7	21.1
1 22	9 55.35	+20 10.4	1.907	2.834	8.1	20.9
2 1	9 47.39	+21 26.0	1.888	2.857	4.4	20.8
2 11	9 38.44	+22 37.1	1.899	2.879	2.8	20.7
2 21	9 29.54	+23 37.1	1.939	2.901	5.6	20.9
3 2	9 21.70	+24 21.7	2.008	2.922	9.0	21.1
3 12	9 15.72	+24 49.2	2.101	2.943	12.2	21.4
3 22	9 12.06	+25 0.4	2.215	2.964	14.7	21.6

407330 2010 PS_{63} 2 11.7 157°.16 1°.3/10.6 18

1 12	10 4.46	+16 30.0	2.093	2.942	11.5	22.1
1 22	9 57.43	+17 4.3	2.027	2.950	8.0	21.8
2 1	9 48.51	+17 43.2	1.988	2.957	4.2	21.6
2 11	9 38.53	+18 21.4	1.979	2.964	1.4	21.4
2 21	9 28.48	+18 53.9	2.000	2.970	4.5	21.7
3 2	9 19.40	+19 17.0	2.050	2.975	8.3	21.9
3 12	9 12.13	+19 28.9	2.127	2.980	11.6	22.1
3 22	9 7.17	+19 29.3	2.225	2.984	14.4	22.3

249421 2009 DA_{122} 2 11.7 169°.17 0°.1/11.8 18

1 12	10 1.97	+11 5.1	1.853	2.699	12.9	21.1
1 22	9 55.91	+11 47.6	1.782	2.702	9.2	20.8
2 1	9 47.81	+12 41.5	1.737	2.705	4.9	20.6
2 11	9 38.49	+13 41.3	1.720	2.707	0.4	20.2
2 21	9 29.01	+14 40.7	1.733	2.708	4.2	20.5
3 2	9 20.48	+15 33.5	1.774	2.710	8.5	20.8
3 12	9 13.83	+16 15.7	1.841	2.710	12.3	21.0
3 22	9 9.62	+16 45.1	1.929	2.711	15.5	21.2

310908 2003 SE_{50} 2 11.7 110°.51 2°.5/13.3 18

1 12	10 3.29	+ 6 27.5	1.649	2.484	14.7	21.1
1 22	9 56.92	+ 6 33.6	1.585	2.494	10.8	20.9
2 1	9 48.35	+ 6 55.2	1.544	2.504	6.5	20.6
2 11	9 38.53	+ 7 28.6	1.531	2.514	2.7	20.4
2 21	9 28.63	+ 8 8.7	1.547	2.523	4.5	20.6
3 2	9 19.85	+ 8 49.7	1.590	2.532	8.8	20.8
3 12	9 13.19	+ 9 26.5	1.658	2.541	12.7	21.1
3 22	9 9.18	+ 9 55.3	1.747	2.549	16.1	21.3

469144 2015 FO_{220} 2 11.7 178°.53 4°.2/17.1 17

1 12	9 56.09	− 5 52.6	2.972	3.731	10.8	21.5
1 22	9 51.21	− 5 18.6	2.882	3.733	8.7	21.4
2 1	9 45.12	− 4 27.2	2.818	3.734	6.4	21.2
2 11	9 38.33	− 3 20.2	2.782	3.734	4.6	21.1
2 21	9 31.41	− 2 0.7	2.776	3.734	4.4	21.1
3 2	9 25.00	− 0 33.6	2.802	3.734	6.0	21.2
3 12	9 19.64	+ 0 55.9	2.856	3.733	8.2	21.3
3 22	9 15.74	+ 2 22.7	2.937	3.732	10.4	21.5

498175 2007 TZ_{209} 2 11.7 124°.93 0°.9/12.6 17

1 12	9 58.30	+ 8 49.8	2.539	3.370	10.3	22.3
1 22	9 52.85	+ 9 18.7	2.470	3.381	7.4	22.1
2 1	9 46.00	+ 9 56.8	2.429	3.392	4.2	22.0
2 11	9 38.38	+10 40.7	2.417	3.402	1.1	21.7
2 21	9 30.71	+11 26.5	2.436	3.413	3.1	21.9
3 2	9 23.71	+12 10.2	2.485	3.422	6.3	22.1
3 12	9 18.03	+12 48.4	2.561	3.432	9.3	22.3
3 22	9 14.09	+13 18.9	2.661	3.441	11.8	22.5

317004 2001 PV_{60} 2 11.7 176°.50 0°.8/12.3 18

1 12	10 0.68	+ 9 10.3	2.060	2.898	12.1	21.4
1 22	9 54.86	+ 9 48.9	1.985	2.900	8.7	21.2
2 1	9 47.21	+10 39.5	1.936	2.901	4.8	21.0
2 11	9 38.47	+11 37.4	1.916	2.902	1.0	20.7
2 21	9 29.57	+12 37.2	1.926	2.902	3.7	20.9
3 2	9 21.48	+13 33.2	1.965	2.902	7.7	21.1
3 12	9 15.05	+14 20.9	2.030	2.902	11.3	21.3
3 22	9 10.80	+14 57.9	2.118	2.901	14.3	21.6

466443 2013 TQ_{81} 2 11.7 168°.34 1°.0/10.8 17

1 12	10 0.36	+15 3.1	2.126	2.978	11.2	21.9
1 22	9 54.60	+15 45.8	2.056	2.980	7.8	21.7
2 1	9 47.04	+16 35.1	2.012	2.981	4.1	21.5
2 11	9 38.46	+17 25.6	1.997	2.983	1.0	21.2
2 21	9 29.74	+18 12.1	2.012	2.984	4.3	21.5
3 2	9 21.86	+18 50.1	2.056	2.985	8.0	21.7
3 12	9 15.61	+19 16.7	2.127	2.986	11.4	21.9
3 22	9 11.53	+19 31.1	2.218	2.986	14.2	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
256435 2007 CH_5			2 11.7	17°.28	8°.2/16.6	18
	h m	° ′			°	m
1 12	9 54.79	− 1 57.7	0.915	1.770	22.0	18.7
1 22	9 51.74	− 2 40.3	0.879	1.786	17.5	18.5
2 1	9 45.82	− 2 46.9	0.860	1.806	12.7	18.3
2 11	9 38.37	− 2 18.7	0.860	1.828	8.9	18.2
2 21	9 31.03	− 1 22.5	0.882	1.852	8.6	18.3
3 2	9 25.36	− 0 9.9	0.926	1.879	11.8	18.5
3 12	9 22.51	+ 1 6.1	0.989	1.908	15.9	18.8
3 22	9 22.90	+ 2 15.3	1.071	1.938	19.6	19.2
163501 2002 SG_{44}			2 11.7	151°.72	1°.2/12.8	18
1 12	9 58.37	+ 7 59.8	2.396	3.227	10.8	20.4
1 22	9 53.01	+ 8 28.3	2.322	3.231	7.9	20.2
2 1	9 46.14	+ 9 7.5	2.274	3.236	4.5	20.0
2 11	9 38.40	+ 9 53.9	2.255	3.239	1.4	19.8
2 21	9 30.56	+10 43.3	2.266	3.243	3.3	20.0
3 2	9 23.40	+11 31.2	2.308	3.247	6.6	20.2
3 12	9 17.63	+12 13.7	2.376	3.250	9.8	20.4
3 22	9 13.69	+12 48.3	2.468	3.253	12.4	20.6
4482 Frèrebasile			2 11.7	100°.12	4°.2/ 9.9	18
1 12	10 18.16	+25 48.5	1.665	2.511	14.1	16.8
1 22	10 7.09	+25 50.0	1.619	2.537	10.1	16.6
2 1	9 53.52	+25 44.4	1.600	2.562	6.1	16.4
2 11	9 38.86	+25 25.5	1.611	2.587	4.2	16.4
2 21	9 24.69	+24 50.5	1.653	2.610	6.8	16.6
3 2	9 12.46	+24 0.6	1.723	2.633	10.6	16.9
3 12	9 3.16	+22 58.9	1.820	2.656	14.0	17.1
3 22	8 57.15	+21 49.7	1.937	2.677	16.8	17.4
36634 2000 QP_{173}			2 11.7	106°.12	1°.4/12.6	18
1 12	10 4.60	+ 9 58.9	1.955	2.791	12.7	19.7
1 22	9 57.54	+ 9 49.3	1.891	2.803	9.2	19.5
2 1	9 48.57	+ 9 48.8	1.852	2.815	5.2	19.3
2 11	9 38.56	+ 9 54.7	1.843	2.827	1.6	19.1
2 21	9 28.54	+10 3.6	1.863	2.839	3.9	19.3
3 2	9 19.56	+10 12.2	1.912	2.851	7.8	19.5
3 12	9 12.47	+10 17.5	1.988	2.862	11.4	19.8
3 22	9 7.74	+10 17.8	2.086	2.873	14.3	20.0
216542 2001 SF_{38}			2 11.7	161°.23	5°.8/ 6.7	18
1 12	10 6.59	+31 15.5	2.267	3.117	10.7	20.6
1 22	9 58.96	+32 13.1	2.212	3.124	8.1	20.5
2 1	9 49.33	+33 3.1	2.185	3.129	6.1	20.4
2 11	9 38.61	+33 38.8	2.186	3.135	6.0	20.3
2 21	9 27.88	+33 55.5	2.217	3.139	7.7	20.5
3 2	9 18.23	+33 51.6	2.275	3.143	10.2	20.6
3 12	9 10.56	+33 28.7	2.357	3.147	12.7	20.8
3 22	9 5.36	+32 49.9	2.459	3.150	14.8	21.0
458803 2011 SR_{205}			2 11.7	160°.92	0°.4/11.3	18
1 12	10 3.99	+12 51.3	1.913	2.759	12.6	22.6
1 22	9 57.27	+13 34.8	1.846	2.766	8.8	22.3
2 1	9 48.51	+14 27.5	1.804	2.772	4.6	22.1
2 11	9 38.57	+15 23.5	1.792	2.778	0.5	21.8
2 21	9 28.51	+16 16.7	1.809	2.783	4.3	22.1
3 2	9 19.44	+17 1.8	1.856	2.787	8.5	22.4
3 12	9 12.27	+17 35.4	1.928	2.791	12.2	22.6
3 22	9 7.56	+17 56.2	2.022	2.793	15.3	22.8
163033 2001 XX_{142}			2 11.7	305°.70	0°.5/11.4	18 R
1 12	10 1.36	+13 5.8	1.310	2.178	15.7	19.4
1 22	9 56.41	+13 37.4	1.226	2.156	11.3	19.1
2 1	9 48.51	+14 23.1	1.164	2.135	6.1	18.7
2 11	9 38.59	+15 16.3	1.127	2.114	0.6	18.3
2 21	9 28.06	+16 8.8	1.116	2.093	5.8	18.6
3 2	9 18.60	+16 52.4	1.130	2.072	11.6	18.9
3 12	9 11.67	+17 21.4	1.166	2.052	16.7	19.1
3 22	9 8.15	+17 33.6	1.220	2.033	21.1	19.3
277728 2006 DW_{74}			2 11.7	284°.06	1°.7/10.4	17
1 12	10 2.08	+17 49.3	1.963	2.820	11.8	21.0
1 22	9 56.08	+18 14.5	1.877	2.804	8.3	20.8
2 1	9 47.98	+18 44.1	1.817	2.786	4.4	20.5
2 11	9 38.55	+19 12.6	1.785	2.769	1.8	20.3
2 21	9 28.83	+19 35.2	1.782	2.752	5.0	20.5
3 2	9 19.94	+19 47.8	1.808	2.735	9.0	20.7
3 12	9 12.88	+19 48.4	1.858	2.718	12.7	20.9
3 22	9 8.25	+19 36.9	1.930	2.700	15.9	21.0
198764 2005 EY_{92}			2 11.7	54°.09	6°.5/ 8.3	18
1 12	10 11.78	+32 27.8	1.786	2.638	13.0	19.0
1 22	10 2.62	+32 44.8	1.748	2.660	9.8	18.9
2 1	9 51.17	+32 49.7	1.736	2.683	7.2	18.8
2 11	9 38.73	+32 35.9	1.751	2.706	6.6	18.8
2 21	9 26.74	+32 1.1	1.794	2.729	8.4	18.9
3 2	9 16.49	+31 6.3	1.865	2.752	11.2	19.1
3 12	9 8.88	+29 55.8	1.960	2.775	14.0	19.4
3 22	9 4.26	+28 34.6	2.075	2.798	16.4	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
465740 2009 VN_{61}			2 11.7	56°.16	3°.2/14.1	18
	h m	° ′			°	m
1 12	9 59.68	+ 3 55.6	1.862	2.689	13.7	21.6
1 22	9 54.27	+ 4 0.3	1.791	2.692	10.3	21.4
2 1	9 46.94	+ 4 21.3	1.743	2.696	6.6	21.2
2 11	9 38.50	+ 4 55.9	1.722	2.701	3.4	21.0
2 21	9 29.91	+ 5 39.7	1.730	2.705	4.4	21.0
3 2	9 22.22	+ 6 27.3	1.766	2.709	8.0	21.3
3 12	9 16.30	+ 7 13.2	1.828	2.714	11.6	21.5
3 22	9 12.68	+ 7 53.0	1.911	2.718	14.7	21.7
194021 2001 SG_{36}			2 11.7	214°.64	0°.4/11.4	18
1 12	10 4.31	+12 48.3	1.896	2.741	12.7	21.2
1 22	9 57.69	+13 30.3	1.813	2.733	9.0	21.0
2 1	9 48.85	+14 22.4	1.755	2.724	4.8	20.7
2 11	9 38.63	+15 19.0	1.727	2.713	0.5	20.3
2 21	9 28.08	+16 13.7	1.728	2.702	4.5	20.6
3 2	9 18.41	+17 0.8	1.759	2.690	8.9	20.9
3 12	9 10.63	+17 36.3	1.815	2.678	12.8	21.1
3 22	9 5.40	+17 58.6	1.893	2.664	16.2	21.3
64516 2001 VD_{94}			2 11.7	78°.39	1°.6/13.1	18
1 12	9 58.31	+ 5 51.5	1.813	2.650	13.5	19.5
1 22	9 53.41	+ 6 47.3	1.739	2.651	9.9	19.3
2 1	9 46.53	+ 8 0.8	1.690	2.652	5.8	19.0
2 11	9 38.47	+ 9 26.8	1.668	2.653	1.8	18.8
2 21	9 30.22	+10 57.9	1.676	2.654	4.0	18.9
3 2	9 22.82	+12 26.0	1.712	2.655	8.2	19.2
3 12	9 17.20	+13 44.6	1.774	2.656	12.1	19.4
3 22	9 13.92	+14 49.2	1.858	2.657	15.4	19.6
208997 2003 AN_{88}			2 11.7	62°.98	3°.9/14.6	18
1 12	10 0.86	+ 2 12.2	2.097	2.908	12.9	20.4
1 22	9 54.83	+ 1 50.8	2.034	2.924	9.9	20.2
2 1	9 47.12	+ 1 44.1	1.997	2.941	6.6	20.0
2 11	9 38.51	+ 1 50.8	1.986	2.957	4.2	19.9
2 21	9 29.89	+ 2 8.0	2.005	2.974	4.6	20.0
3 2	9 22.15	+ 2 32.2	2.053	2.991	7.4	20.2
3 12	9 16.04	+ 2 58.7	2.127	3.008	10.4	20.4
3 22	9 12.02	+ 3 23.7	2.224	3.024	13.1	20.6
57129 2001 PO			2 11.7	34°.75	13°.1/22.3	18
1 12	10 0.20	−19 58.3	1.737	2.433	19.5	18.3
1 22	9 54.94	−21 15.9	1.667	2.437	17.5	18.2
2 1	9 47.44	−22 0.4	1.614	2.441	15.5	18.0
2 11	9 38.54	−22 7.1	1.581	2.446	13.9	17.9
2 21	9 29.35	−21 35.4	1.570	2.451	13.2	17.9
3 2	9 21.08	−20 29.3	1.581	2.456	13.6	17.9
3 12	9 14.81	−18 57.8	1.615	2.461	15.0	18.0
3 22	9 11.18	−17 11.8	1.668	2.467	16.9	18.2
169363 2001 UE_{85}			2 11.7	169°.85	0°.1/11.8	17
1 12	9 58.44	+11 53.4	2.746	3.583	9.4	22.1
1 22	9 52.93	+12 23.2	2.671	3.586	6.7	21.9
2 1	9 46.08	+12 59.7	2.623	3.589	3.6	21.7
2 11	9 38.45	+13 39.6	2.605	3.592	0.3	21.4
2 21	9 30.73	+14 19.2	2.618	3.593	3.0	21.7
3 2	9 23.61	+14 55.0	2.662	3.595	6.2	21.9
3 12	9 17.73	+15 24.3	2.733	3.596	9.0	22.1
3 22	9 13.49	+15 45.5	2.828	3.597	11.4	22.2
464979 2005 YJ_{206}			2 11.7	354°.00	4°.5/ 7.6	16
1 12	9 54.40	+17 54.1	1.303	2.188	14.5	20.7
1 22	9 51.36	+20 12.5	1.241	2.181	10.1	20.4
2 1	9 45.72	+22 43.7	1.204	2.176	5.9	20.2
2 11	9 38.44	+25 13.2	1.194	2.171	4.9	20.1
2 21	9 30.81	+27 25.8	1.210	2.168	8.7	20.3
3 2	9 24.32	+29 10.4	1.251	2.166	13.3	20.5
3 12	9 20.23	+30 21.8	1.313	2.166	17.4	20.8
3 22	9 19.22	+31 0.8	1.392	2.167	20.8	21.0
434811 2006 RF_{86}			2 11.7	208°.60	3°.0/ 8.8	17
1 12	10 1.05	+23 44.0	2.654	3.508	9.2	22.0
1 22	9 54.87	+24 19.9	2.581	3.504	6.5	21.8
2 1	9 47.14	+24 54.7	2.536	3.499	4.0	21.6
2 11	9 38.53	+25 23.7	2.521	3.495	3.1	21.5
2 21	9 29.81	+25 43.1	2.536	3.490	5.1	21.7
3 2	9 21.80	+25 50.6	2.581	3.484	7.8	21.8
3 12	9 15.23	+25 45.4	2.651	3.479	10.4	22.0
3 22	9 10.54	+25 28.6	2.744	3.473	12.6	22.1
426704 2013 TN_{32}			2 11.7	89°.86	1°.3/12.8	18
1 12	9 59.70	+ 8 24.8	2.076	2.913	12.1	21.5
1 22	9 54.08	+ 8 46.2	2.011	2.924	8.7	21.3
2 1	9 46.76	+ 9 19.0	1.972	2.935	5.0	21.1
2 11	9 38.50	+ 9 59.4	1.961	2.946	1.5	20.9
2 21	9 30.18	+10 42.7	1.980	2.957	3.6	21.1
3 2	9 22.72	+11 24.2	2.028	2.968	7.3	21.3
3 12	9 16.89	+12 0.0	2.102	2.979	10.7	21.6
3 22	9 13.15	+12 27.4	2.198	2.990	13.6	21.8

165323 2000 UD_{78} 2 11.7 2°.70 9°.6/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 57.45	− 4 52.0	1.119	1.944	20.9	18.6
1 22	9 53.63	− 5 50.1	1.056	1.942	17.2	18.4
2 1	9 46.96	− 6 15.7	1.011	1.941	13.3	18.1
2 11	9 38.52	− 6 6.0	0.987	1.942	10.2	18.0
2 21	9 29.78	− 5 23.5	0.985	1.944	9.9	18.0
3 2	9 22.34	− 4 16.2	1.005	1.948	12.5	18.1
3 12	9 17.54	− 2 56.1	1.046	1.953	16.3	18.3
3 22	9 16.09	− 1 35.1	1.105	1.960	20.0	18.6

130756 2000 SB_{276} 2 11.7 205°.19 4°.1/ 8.7 18

1 12	10 5.41	+22 49.4	1.797	2.658	12.5	20.1
1 22	9 58.57	+23 48.3	1.728	2.655	8.9	19.9
2 1	9 49.34	+24 47.8	1.686	2.650	5.4	19.7
2 11	9 38.67	+25 39.8	1.671	2.646	4.2	19.6
2 21	9 27.80	+26 17.4	1.685	2.640	7.0	19.8
3 2	9 18.03	+26 36.4	1.727	2.634	10.7	20.0
3 12	9 10.44	+26 36.3	1.792	2.628	14.2	20.2
3 22	9 5.65	+26 18.9	1.877	2.621	17.2	20.4

428134 2006 SV_{95} 2 11.7 221°.16 2°.1/ 9.6 17

1 12	9 59.34	+19 55.8	2.653	3.507	9.2	21.9
1 22	9 53.68	+20 34.9	2.576	3.501	6.4	21.7
2 1	9 46.53	+21 15.9	2.526	3.494	3.6	21.5
2 11	9 38.49	+21 54.2	2.507	3.487	2.1	21.4
2 21	9 30.32	+22 26.0	2.518	3.480	4.4	21.5
3 2	9 22.78	+22 48.0	2.558	3.473	7.3	21.7
3 12	9 16.59	+22 58.8	2.625	3.466	10.1	21.8
3 22	9 12.20	+22 58.3	2.714	3.458	12.4	22.0

519845 2013 LO_{36} 2 11.7 207°.66 5°.6/16.4 16

1 12	9 59.88	− 4 27.3	2.183	2.961	13.6	21.5
1 22	9 54.29	− 4 35.6	2.095	2.957	11.0	21.3
2 1	9 46.95	− 4 24.0	2.031	2.952	8.2	21.2
2 11	9 38.52	− 3 52.8	1.994	2.947	6.0	21.0
2 21	9 29.86	− 3 4.9	1.985	2.942	5.9	21.0
3 2	9 21.88	− 2 4.8	2.004	2.936	8.0	21.1
3 12	9 15.41	− 0 58.9	2.051	2.930	10.8	21.3
3 22	9 10.99	+ 0 6.7	2.120	2.923	13.6	21.4

282170 2001 SB_{323} 2 11.7 160°.69 3°.6/14.2 18

1 12	10 3.99	+ 3 3.6	1.735	2.554	14.8	21.8
1 22	9 57.43	+ 3 6.4	1.662	2.560	11.2	21.5
2 1	9 48.69	+ 3 27.3	1.614	2.565	7.2	21.3
2 11	9 38.64	+ 4 3.7	1.593	2.569	3.9	21.1
2 21	9 28.43	+ 4 50.9	1.600	2.573	4.9	21.2
3 2	9 19.23	+ 5 42.9	1.635	2.576	8.7	21.4
3 12	9 12.05	+ 6 33.3	1.697	2.579	12.5	21.7
3 22	9 7.48	+ 7 17.5	1.780	2.581	15.9	21.9

46119 2001 FU_{34} 2 11.7 187°.02 0°.3/11.9 18

1 12	10 1.99	+10 40.1	2.115	2.953	11.8	19.7
1 22	9 55.79	+11 18.0	2.037	2.953	8.4	19.5
2 1	9 47.75	+12 6.3	1.986	2.952	4.6	19.2
2 11	9 38.59	+13 0.3	1.964	2.951	0.5	18.9
2 21	9 29.26	+13 54.7	1.973	2.948	3.8	19.2
3 2	9 20.72	+14 44.3	2.011	2.946	7.8	19.4
3 12	9 13.83	+15 25.1	2.075	2.942	11.3	19.6
3 22	9 9.14	+15 55.0	2.163	2.938	14.3	19.8

95770 2003 EQ_{49} 2 11.7 231°.37 0°.3/11.4 18

1 12	10 1.97	+11 23.0	1.632	2.485	14.0	20.0
1 22	9 56.29	+12 21.5	1.554	2.477	10.0	19.8
2 1	9 48.23	+13 34.4	1.500	2.469	5.3	19.5
2 11	9 38.63	+14 54.8	1.474	2.461	0.4	19.1
2 21	9 28.69	+16 14.3	1.476	2.452	4.9	19.4
3 2	9 19.71	+17 24.9	1.507	2.442	9.8	19.7
3 12	9 12.83	+18 21.0	1.562	2.433	14.1	19.9
3 22	9 8.72	+19 0.1	1.637	2.423	17.7	20.1

54944 2001 PV_{1} 2 11.7 102°.78 2°.8/ 9.9 18

1 12	10 5.84	+18 28.9	1.421	2.288	14.8	19.8
1 22	9 59.07	+19 17.3	1.367	2.298	10.4	19.5
2 1	9 49.64	+20 10.5	1.337	2.307	5.6	19.3
2 11	9 38.72	+20 59.9	1.334	2.317	2.8	19.1
2 21	9 27.78	+21 37.8	1.358	2.326	6.5	19.4
3 2	9 18.31	+21 59.3	1.409	2.335	11.1	19.7
3 12	9 11.45	+22 3.1	1.482	2.344	15.2	19.9
3 22	9 7.75	+21 50.5	1.575	2.353	18.6	20.2

159581 2001 WO 2 11.7 213°.39 1°.6/12.8 18

1 12	10 3.68	+ 7 54.8	1.820	2.654	13.6	21.3
1 22	9 57.28	+ 8 16.1	1.737	2.648	9.9	21.1
2 1	9 48.67	+ 8 51.4	1.678	2.640	5.8	20.8
2 11	9 38.67	+ 9 36.8	1.648	2.632	1.8	20.5
2 21	9 28.36	+10 27.0	1.647	2.623	4.2	20.7
3 2	9 18.94	+11 16.0	1.674	2.614	8.6	20.9
3 12	9 11.44	+11 58.6	1.728	2.604	12.7	21.1
3 22	9 6.50	+12 31.6	1.803	2.593	16.1	21.3

425535 2010 OJ_{121} 2 11.7 323°.25 2°.8/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 55.52	+ 2 22.6	1.910	2.735	13.4	20.5
1 22	9 51.47	+ 3 8.5	1.821	2.722	10.2	20.2
2 1	9 45.55	+ 4 15.0	1.756	2.710	6.5	20.0
2 11	9 38.47	+ 5 38.5	1.718	2.697	3.2	19.7
2 21	9 31.09	+ 7 12.8	1.709	2.686	4.1	19.8
3 2	9 24.40	+ 8 50.0	1.728	2.674	7.9	20.0
3 12	9 19.30	+10 22.2	1.774	2.663	11.7	20.2
3 22	9 16.40	+11 43.6	1.842	2.653	15.1	20.4

109595 2001 QJ_{281} 2 11.7 62°.63 6°.8/ 5.4 18

1 12	10 2.89	+32 34.8	2.050	2.908	11.3	19.1
1 22	9 56.45	+34 4.5	2.025	2.937	8.7	19.0
2 1	9 48.02	+35 24.0	2.026	2.965	7.0	18.9
2 11	9 38.61	+36 25.3	2.056	2.993	7.1	19.0
2 21	9 29.33	+37 3.7	2.113	3.021	8.8	19.1
3 2	9 21.26	+37 17.7	2.195	3.050	11.1	19.3
3 12	9 15.24	+37 9.3	2.300	3.077	13.4	19.5
3 22	9 11.69	+36 42.3	2.423	3.105	15.2	19.7

241298 2007 UH_{68} 2 11.7 19°.40 0°.3/11.5 18

1 12	9 57.83	+12 42.4	1.843	2.700	12.4	20.3
1 22	9 53.00	+13 17.7	1.780	2.705	8.8	20.1
2 1	9 46.29	+14 2.4	1.741	2.711	4.6	19.9
2 11	9 38.51	+14 51.1	1.730	2.717	0.3	19.5
2 21	9 30.65	+15 38.2	1.748	2.724	4.2	19.9
3 2	9 23.71	+16 18.5	1.793	2.731	8.3	20.1
3 12	9 18.55	+16 48.3	1.864	2.739	11.9	20.4
3 22	9 15.66	+17 6.1	1.955	2.747	15.0	20.6

87638 2000 RG_{67} 2 11.7 98°.99 8°.4/ 5.3 18

1 12	10 9.27	+38 5.2	1.992	2.835	12.2	19.4
1 22	10 1.06	+39 9.9	1.956	2.851	10.0	19.3
2 1	9 50.51	+39 59.6	1.946	2.866	8.5	19.2
2 11	9 38.78	+40 26.3	1.963	2.882	8.7	19.3
2 21	9 27.26	+40 26.1	2.006	2.897	10.2	19.4
3 2	9 17.26	+39 59.1	2.075	2.912	12.4	19.5
3 12	9 9.75	+39 9.4	2.165	2.927	14.6	19.7
3 22	9 5.16	+38 2.4	2.274	2.941	16.5	19.9

344830 2004 FE_{18} 2 11.7 311°.78 1°.6/12.6 18

1 12	10 1.41	+ 8 23.8	1.244	2.104	17.0	21.0
1 22	9 56.40	+ 8 45.7	1.171	2.095	12.4	20.7
2 1	9 48.47	+ 9 27.2	1.119	2.086	7.1	20.4
2 11	9 38.67	+10 22.8	1.092	2.077	1.9	20.0
2 21	9 28.45	+11 24.8	1.090	2.069	5.3	20.2
3 2	9 19.46	+12 24.0	1.113	2.061	11.0	20.5
3 12	9 13.07	+13 13.0	1.159	2.053	16.1	20.8
3 22	9 10.06	+13 47.5	1.223	2.046	20.4	21.0

450226 2002 TA_{220} 2 11.7 171°.35 0°.3/11.9 18

1 12	10 6.38	+11 35.4	1.835	2.675	13.2	22.3
1 22	9 59.07	+12 1.9	1.763	2.680	9.4	22.1
2 1	9 49.55	+12 38.4	1.718	2.684	5.1	21.8
2 11	9 38.74	+13 19.9	1.701	2.687	0.5	21.5
2 21	9 27.78	+14 0.8	1.714	2.690	4.3	21.8
3 2	9 17.88	+14 36.0	1.756	2.691	8.7	22.1
3 12	9 10.01	+15 2.0	1.825	2.691	12.6	22.3
3 22	9 4.76	+15 17.3	1.914	2.690	15.8	22.5

322787 2001 QP_{54} 2 11.7 169°.07 0°.5/11.4 18

1 12	10 4.77	+14 49.7	1.898	2.747	12.5	20.4
1 22	9 57.86	+14 58.7	1.827	2.749	8.8	20.2
2 1	9 48.88	+15 13.5	1.782	2.751	4.7	20.0
2 11	9 38.70	+15 29.7	1.765	2.752	0.5	19.6
2 21	9 28.41	+15 43.1	1.779	2.753	4.3	19.9
3 2	9 19.15	+15 50.2	1.820	2.754	8.5	20.2
3 12	9 11.84	+15 49.1	1.888	2.755	12.2	20.4
3 22	9 7.04	+15 39.1	1.977	2.755	15.3	20.6

288007 2003 UU_{201} 2 11.7 204°.72 3°.1/ 9.3 18

1 12	10 3.94	+20 12.1	1.866	2.726	12.2	20.8
1 22	9 57.46	+21 9.4	1.795	2.722	8.6	20.5
2 1	9 48.75	+22 10.0	1.750	2.718	4.9	20.3
2 11	9 38.70	+23 6.3	1.734	2.713	3.2	20.2
2 21	9 28.43	+23 51.7	1.747	2.708	6.1	20.4
3 2	9 19.16	+24 21.6	1.788	2.703	9.9	20.6
3 12	9 11.90	+24 34.2	1.853	2.696	13.5	20.8
3 22	9 7.26	+24 30.4	1.938	2.690	16.5	21.0

109367 2001 QL_{158} 2 11.7 150°.03 0°.6/12.1 18

1 12	10 2.34	+10 47.3	2.022	2.862	12.2	20.5
1 22	9 56.04	+11 9.5	1.953	2.869	8.7	20.3
2 1	9 47.87	+11 41.3	1.909	2.875	4.8	20.1
2 11	9 38.64	+12 18.6	1.894	2.881	0.8	19.8
2 21	9 29.31	+12 56.5	1.909	2.886	3.8	20.1
3 2	9 20.89	+13 30.7	1.954	2.891	7.8	20.3
3 12	9 14.21	+13 57.6	2.024	2.895	11.3	20.5
3 22	9 9.79	+14 15.2	2.117	2.899	14.3	20.7

359697 2011 SX_{211} 2 11.7 127°.70 0°.2/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 4.84	+12 24.7	1.797	2.643	13.2	22.0
1 22	9 57.90	+12 59.9	1.738	2.658	9.3	21.7
2 1	9 48.87	+13 44.3	1.705	2.673	4.9	21.5
2 11	9 38.70	+14 32.4	1.700	2.687	0.3	21.2
2 21	9 28.52	+15 18.1	1.725	2.700	4.3	21.5
3 2	9 19.46	+15 56.3	1.778	2.713	8.6	21.8
3 12	9 12.45	+16 23.8	1.858	2.725	12.4	22.1
3 22	9 8.00	+16 39.4	1.958	2.736	15.5	22.3

414192 2008 CU_{192} 2 11.7 235°.44 0°.5/12.0 16

1 12	10 2.34	+11 20.9	1.788	2.635	13.2	21.7
1 22	9 56.33	+11 39.9	1.711	2.631	9.5	21.5
2 1	9 48.16	+12 9.4	1.659	2.626	5.2	21.2
2 11	9 38.67	+12 45.1	1.634	2.621	0.7	20.9
2 21	9 28.95	+13 21.6	1.639	2.615	4.3	21.1
3 2	9 20.17	+13 53.8	1.671	2.610	8.7	21.4
3 12	9 13.34	+14 17.9	1.729	2.604	12.7	21.6
3 22	9 9.05	+14 31.7	1.808	2.599	16.1	21.8

85969 1999 GP_2 2 11.7 168°.61 0°.2/11.9 18

1 12	9 57.81	+11 5.8	2.719	3.556	9.5	20.5
1 22	9 52.54	+11 43.2	2.644	3.559	6.8	20.3
2 1	9 45.92	+12 28.3	2.596	3.562	3.6	20.1
2 11	9 38.52	+13 17.4	2.578	3.564	0.4	19.8
2 21	9 31.01	+14 6.5	2.591	3.566	3.0	20.0
3 2	9 24.10	+14 51.8	2.634	3.568	6.2	20.2
3 12	9 18.41	+15 30.2	2.705	3.569	9.0	20.4
3 22	9 14.36	+16 0.0	2.800	3.570	11.5	20.6

245066 2004 GG_{12} 2 11.7 6°.46 9°.3/18.2 18

1 12	9 54.19	− 7 0.6	1.329	2.137	19.2	19.1
1 22	9 50.96	− 7 48.8	1.267	2.139	15.9	18.9
2 1	9 45.42	− 8 5.8	1.224	2.143	12.6	18.7
2 11	9 38.49	− 7 49.8	1.203	2.149	10.0	18.6
2 21	9 31.38	− 7 3.7	1.204	2.157	9.4	18.6
3 2	9 25.38	− 5 54.7	1.229	2.167	11.3	18.7
3 12	9 21.55	− 4 33.5	1.276	2.179	14.3	18.9
3 22	9 20.49	− 3 10.4	1.343	2.192	17.5	19.2

497271 2005 NO_9 2 11.7 166°.29 2°.9/14.4 17

1 12	9 59.78	+ 2 53.9	2.941	3.741	9.9	22.2
1 22	9 53.80	+ 2 40.2	2.859	3.744	7.5	22.0
2 1	9 46.55	+ 2 36.9	2.804	3.748	5.0	21.8
2 11	9 38.57	+ 2 42.7	2.779	3.751	3.1	21.7
2 21	9 30.49	+ 2 55.7	2.785	3.753	3.5	21.7
3 2	9 22.97	+ 3 13.4	2.821	3.756	5.8	21.9
3 12	9 16.61	+ 3 32.9	2.886	3.758	8.3	22.1
3 22	9 11.79	+ 3 51.5	2.975	3.759	10.5	22.2

212005 2005 BW_{16} 2 11.7 358°.03 2°.6/10.2 18

1 12	10 0.95	+17 18.3	1.209	2.088	15.9	20.2
1 22	9 56.06	+18 3.8	1.149	2.085	11.2	19.9
2 1	9 48.25	+18 57.6	1.111	2.083	6.0	19.6
2 11	9 38.68	+19 50.6	1.098	2.082	2.6	19.4
2 21	9 28.92	+20 33.8	1.110	2.082	6.8	19.6
3 2	9 20.60	+21 0.4	1.146	2.083	12.1	19.9
3 12	9 15.02	+21 7.8	1.204	2.084	16.7	20.2
3 22	9 12.83	+20 56.5	1.279	2.087	20.6	20.5

502618 2015 CO_{23} 2 11.7 272°.93 1°.1/12.7 17

1 12	9 57.82	+ 8 16.4	2.255	3.091	11.3	21.5
1 22	9 52.86	+ 8 47.5	2.166	3.079	8.2	21.3
2 1	9 46.22	+ 9 30.5	2.103	3.066	4.7	21.1
2 11	9 38.55	+10 21.9	2.068	3.053	1.3	20.8
2 21	9 30.64	+11 16.9	2.064	3.041	3.5	20.9
3 2	9 23.35	+12 10.6	2.088	3.028	7.2	21.1
3 12	9 17.48	+12 58.5	2.139	3.015	10.6	21.3
3 22	9 13.57	+13 37.4	2.213	3.002	13.6	21.5

156560 2002 EE_{54} 2 11.7 114°.15 2°.4/13.7 18

1 12	9 59.58	+ 4 53.2	2.010	2.837	12.8	20.0
1 22	9 54.11	+ 5 14.1	1.940	2.844	9.5	19.8
2 1	9 46.86	+ 5 49.9	1.894	2.851	5.8	19.6
2 11	9 38.59	+ 6 37.3	1.877	2.857	2.7	19.4
2 21	9 30.21	+ 7 31.5	1.888	2.864	3.9	19.5
3 2	9 22.67	+ 8 26.9	1.928	2.870	7.5	19.8
3 12	9 16.77	+ 9 18.4	1.995	2.877	11.0	20.0
3 22	9 13.02	+10 2.1	2.084	2.883	14.0	20.2

50438 2000 DZ_{24} 2 11.7 169°.27 0°.4/12.0 18

1 12	10 1.79	+10 33.4	2.032	2.873	12.1	19.7
1 22	9 55.69	+11 8.0	1.960	2.876	8.7	19.4
2 1	9 47.72	+11 53.2	1.913	2.879	4.7	19.2
2 11	9 38.65	+12 44.2	1.895	2.882	0.6	18.9
2 21	9 29.44	+13 35.7	1.907	2.884	3.8	19.2
3 2	9 21.08	+14 22.5	1.949	2.885	7.9	19.4
3 12	9 14.44	+15 0.7	2.016	2.886	11.4	19.6
3 22	9 10.04	+15 28.2	2.106	2.886	14.4	19.8

330805 2008 UV_{344} 2 11.7 144°.53 3°.2/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 1.20	+24 13.4	2.857	3.709	8.7	21.9
1 22	9 54.86	+25 9.3	2.801	3.722	6.2	21.8
2 1	9 47.12	+26 3.7	2.774	3.734	3.9	21.6
2 11	9 38.61	+26 51.6	2.777	3.746	3.3	21.6
2 21	9 30.06	+27 29.1	2.811	3.757	5.0	21.7
3 2	9 22.23	+27 53.8	2.875	3.768	7.5	21.9
3 12	9 15.74	+28 4.9	2.965	3.778	9.8	22.1
3 22	9 11.03	+28 3.3	3.077	3.787	11.7	22.2

436347 2010 JP_{39} 2 11.7 197°.99 14°.1/22.6 17

1 12	10 2.32	−19 38.0	1.330	2.053	23.3	21.5
1 22	9 57.04	−20 12.6	1.254	2.052	20.7	21.3
2 1	9 48.85	−20 2.2	1.193	2.050	17.9	21.1
2 11	9 38.74	−19 0.7	1.150	2.047	15.4	20.9
2 21	9 28.14	−17 8.5	1.129	2.044	14.1	20.8
3 2	9 18.70	−14 34.4	1.131	2.041	14.8	20.8
3 12	9 11.84	−11 35.1	1.155	2.037	17.2	21.0
3 22	9 8.37	− 8 29.1	1.200	2.032	20.2	21.1

167033 2003 QU_{42} 2 11.7 139°.15 0°.4/11.9 18

1 12	10 2.80	+10 34.2	1.771	2.616	13.4	20.7
1 22	9 56.57	+11 12.6	1.706	2.625	9.6	20.5
2 1	9 48.24	+12 2.9	1.666	2.633	5.2	20.2
2 11	9 38.70	+12 59.5	1.654	2.641	0.6	19.9
2 21	9 29.05	+13 56.0	1.671	2.648	4.2	20.2
3 2	9 20.43	+14 46.5	1.717	2.655	8.6	20.5
3 12	9 13.81	+15 26.6	1.788	2.661	12.5	20.7
3 22	9 9.70	+15 54.3	1.881	2.667	15.7	21.0

166175 2002 EE_{59} 2 11.7 244°.30 0°.1/11.6 18

1 12	10 4.37	+13 5.1	1.682	2.533	13.7	20.1
1 22	9 57.95	+13 22.9	1.602	2.524	9.8	19.9
2 1	9 49.12	+13 50.1	1.546	2.514	5.2	19.6
2 11	9 38.77	+14 21.7	1.517	2.504	0.3	19.2
2 21	9 28.10	+14 52.2	1.518	2.493	4.7	19.5
3 2	9 18.44	+15 16.5	1.546	2.483	9.5	19.7
3 12	9 10.90	+15 31.1	1.599	2.472	13.7	20.0
3 22	9 6.16	+15 34.6	1.672	2.460	17.3	20.2

496072 2009 RP_{47} 2 11.7 136°.16 4°.0/15.6 18

1 12	9 59.58	− 1 31.5	2.322	3.113	12.5	22.1
1 22	9 53.91	− 1 10.4	2.250	3.125	9.7	22.0
2 1	9 46.70	− 0 31.5	2.202	3.137	6.7	21.8
2 11	9 38.61	+ 0 22.9	2.182	3.149	4.3	21.7
2 21	9 30.44	+ 1 28.5	2.193	3.160	4.5	21.7
3 2	9 23.01	+ 2 40.1	2.233	3.170	6.9	21.9
3 12	9 17.01	+ 3 51.8	2.300	3.180	9.8	22.1
3 22	9 12.90	+ 4 58.6	2.392	3.190	12.4	22.3

459290 2012 GQ_{12} 2 11.7 321°.34 6°.8/ 6.0 18

1 12	10 0.66	+27 20.9	1.550	2.426	13.3	20.6
1 22	9 55.68	+29 3.9	1.487	2.415	9.9	20.4
2 1	9 48.04	+30 45.4	1.448	2.405	7.3	20.2
2 11	9 38.71	+32 13.4	1.436	2.395	7.3	20.2
2 21	9 29.05	+33 18.2	1.451	2.385	10.0	20.3
3 2	9 20.54	+33 54.3	1.489	2.376	13.5	20.5
3 12	9 14.43	+34 1.4	1.548	2.367	16.9	20.7
3 22	9 11.44	+33 42.9	1.625	2.359	19.8	20.9

15174 4649 $P–L$ 2 11.7 62°.76 3°.4/14.9 18

1 12	9 57.19	+ 1 7.8	2.145	2.956	12.7	18.0
1 22	9 52.39	+ 1 32.5	2.068	2.959	9.7	17.8
2 1	9 45.96	+ 2 14.6	2.016	2.962	6.4	17.6
2 11	9 38.57	+ 3 11.5	1.991	2.965	3.7	17.4
2 21	9 31.03	+ 4 18.4	1.995	2.968	4.2	17.4
3 2	9 24.22	+ 5 29.7	2.029	2.971	7.1	17.6
3 12	9 18.88	+ 6 39.2	2.089	2.974	10.4	17.8
3 22	9 15.51	+ 7 42.3	2.172	2.978	13.3	18.0

467564 2007 TS_{230} 2 11.7 104°.19 3°.5/ 8.3 18

1 12	10 1.05	+24 16.3	2.458	3.315	9.7	21.6
1 22	9 54.90	+25 10.1	2.409	3.332	6.9	21.4
2 1	9 47.18	+26 2.0	2.387	3.349	4.3	21.3
2 11	9 38.64	+26 46.4	2.395	3.365	3.6	21.3
2 21	9 30.12	+27 19.3	2.432	3.381	5.6	21.4
3 2	9 22.45	+27 37.9	2.499	3.397	8.2	21.6
3 12	9 16.34	+27 41.9	2.590	3.412	10.8	21.8
3 22	9 12.22	+27 32.5	2.703	3.427	12.9	22.0

405900 2006 HK_{22} 2 11.7 223°.89 1°.3/10.7 17

1 12	10 3.18	+15 10.2	1.909	2.761	12.3	22.0
1 22	9 56.94	+16 0.4	1.827	2.751	8.7	21.8
2 1	9 48.52	+16 58.9	1.772	2.741	4.6	21.5
2 11	9 38.75	+17 59.4	1.745	2.730	1.3	21.3
2 21	9 28.66	+18 55.2	1.748	2.719	4.9	21.5
3 2	9 19.43	+19 40.7	1.779	2.707	9.1	21.7
3 12	9 12.06	+20 12.5	1.836	2.694	12.9	21.9
3 22	9 7.21	+20 29.6	1.914	2.681	16.2	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
43002 1999 US_{12}			2 11.7 157°.52		3°.2/14.2 18	
	h m	° ′			°	m
1 12	10 1.64	+ 2 55.8	1.883	2.702	13.9	20.2
1 22	9 55.69	+ 3 14.7	1.810	2.707	10.5	20.0
2 1	9 47.77	+ 3 51.3	1.761	2.712	6.7	19.8
2 11	9 38.69	+ 4 42.6	1.739	2.717	3.5	19.6
2 21	9 29.45	+ 5 43.3	1.746	2.721	4.4	19.7
3 2	9 21.11	+ 6 47.3	1.783	2.724	8.0	19.9
3 12	9 14.57	+ 7 48.2	1.845	2.727	11.7	20.1
3 22	9 10.38	+ 8 41.5	1.930	2.730	14.9	20.3
212002 2005 BU_{10}			2 11.7 83°.78		2°.4/13.2 18	
1 12	10 3.98	+ 7 6.7	1.522	2.363	15.4	20.1
1 22	9 57.57	+ 7 8.0	1.463	2.375	11.3	19.9
2 1	9 48.82	+ 7 24.9	1.426	2.388	6.7	19.7
2 11	9 38.76	+ 7 53.7	1.417	2.400	2.7	19.4
2 21	9 28.66	+ 8 28.9	1.435	2.412	4.7	19.6
3 2	9 19.81	+ 9 4.9	1.480	2.424	9.2	19.9
3 12	9 13.23	+ 9 36.3	1.550	2.436	13.3	20.2
3 22	9 9.47	+ 9 59.7	1.640	2.447	16.8	20.4
27673 1980 UN_{1}			2 11.7 134°.18		0°.9/12.4 18	
1 12	10 2.30	+ 9 31.8	2.233	3.065	11.5	19.9
1 22	9 55.84	+ 9 56.9	2.168	3.079	8.2	19.7
2 1	9 47.72	+10 31.6	2.130	3.093	4.6	19.5
2 11	9 38.69	+11 12.1	2.121	3.107	1.0	19.3
2 21	9 29.63	+11 54.0	2.143	3.119	3.5	19.5
3 2	9 21.42	+12 32.9	2.195	3.131	7.1	19.7
3 12	9 14.80	+13 5.4	2.274	3.143	10.3	19.9
3 22	9 10.24	+13 29.5	2.376	3.153	13.1	20.1
74413 1999 AW_{8}			2 11.7 131°.55		3°.5/14.6 18	
1 12	9 59.73	+ 2 16.6	2.291	3.100	12.1	18.9
1 22	9 54.07	+ 2 9.3	2.215	3.105	9.2	18.7
2 1	9 46.81	+ 2 15.9	2.164	3.109	6.1	18.5
2 11	9 38.64	+ 2 35.0	2.141	3.113	3.7	18.4
2 21	9 30.34	+ 3 3.6	2.147	3.117	4.2	18.4
3 2	9 22.77	+ 3 37.8	2.183	3.121	7.0	18.6
3 12	9 16.65	+ 4 13.3	2.245	3.125	10.0	18.8
3 22	9 12.46	+ 4 46.3	2.331	3.129	12.7	19.0
255853 2006 SQ_{152}			2 11.7 228°.27		1°.1/12.5 16	
1 12	10 2.13	+ 9 1.3	1.998	2.834	12.5	22.1
1 22	9 56.09	+ 9 25.7	1.911	2.824	9.1	21.9
2 1	9 48.04	+10 2.2	1.849	2.813	5.1	21.6
2 11	9 38.73	+10 46.9	1.816	2.802	1.3	21.3
2 21	9 29.12	+11 34.9	1.813	2.790	3.9	21.5
3 2	9 20.28	+12 20.9	1.839	2.778	8.1	21.7
3 12	9 13.15	+13 0.2	1.891	2.765	11.9	21.9
3 22	9 8.34	+13 30.1	1.966	2.751	15.1	22.1
86978 2000 JT_{18}			2 11.7 264°.32		3°.8/ 8.2 18	
1 12	10 1.51	+20 59.5	1.967	2.829	11.5	19.9
1 22	9 55.91	+22 27.6	1.880	2.808	8.2	19.7
2 1	9 48.07	+24 1.3	1.820	2.786	4.9	19.4
2 11	9 38.74	+25 32.0	1.789	2.764	4.0	19.3
2 21	9 28.95	+26 51.2	1.788	2.741	6.8	19.5
3 2	9 19.88	+27 52.5	1.814	2.718	10.5	19.6
3 12	9 12.61	+28 32.9	1.865	2.694	14.0	19.8
3 22	9 7.87	+28 52.4	1.935	2.670	17.0	20.0
171289 2006 GE_{31}			2 11.7 190°.07		3°.2/14.2 18	
1 12	10 1.63	+ 3 1.7	1.841	2.661	14.1	21.8
1 22	9 55.78	+ 3 21.3	1.762	2.661	10.6	21.5
2 1	9 47.88	+ 3 59.3	1.707	2.659	6.8	21.3
2 11	9 38.72	+ 4 52.5	1.680	2.658	3.5	21.1
2 21	9 29.33	+ 5 55.7	1.681	2.656	4.5	21.1
3 2	9 20.81	+ 7 2.4	1.711	2.653	8.3	21.4
3 12	9 14.11	+ 8 6.1	1.767	2.650	12.1	21.6
3 22	9 9.83	+ 9 1.8	1.845	2.647	15.4	21.8
263318 2008 CE_{43}			2 11.7 157°.07		0°.2/11.9 18	
1 12	10 0.39	+ 9 39.5	2.087	2.926	11.9	20.9
1 22	9 54.69	+10 43.8	2.016	2.933	8.5	20.6
2 1	9 47.21	+12 0.5	1.972	2.938	4.6	20.4
2 11	9 38.68	+13 23.7	1.957	2.944	0.4	20.1
2 21	9 29.99	+14 46.6	1.973	2.948	3.8	20.4
3 2	9 22.10	+16 2.8	2.018	2.953	7.8	20.6
3 12	9 15.84	+17 7.6	2.091	2.956	11.2	20.9
3 22	9 11.73	+17 58.3	2.185	2.960	14.2	21.1
292149 2006 RX_{94}			2 11.7 96°.35		2°.7/13.8 18	
1 12	10 2.02	+ 4 24.8	1.810	2.636	14.0	21.4
1 22	9 55.88	+ 4 47.8	1.753	2.656	10.4	21.2
2 1	9 47.82	+ 5 27.3	1.719	2.675	6.4	21.0
2 11	9 38.72	+ 6 19.4	1.714	2.694	3.0	20.8
2 21	9 29.61	+ 7 18.3	1.737	2.713	4.2	20.9
3 2	9 21.56	+ 8 17.8	1.789	2.731	8.0	21.2
3 12	9 15.40	+ 9 12.2	1.867	2.749	11.6	21.5
3 22	9 11.61	+ 9 57.7	1.967	2.767	14.6	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
50655 2000 EL_{94}			2 11.7 217°.09		1°.8/10.5 18	
	h m	° ′			°	m
1 12	10 5.81	+18 48.4	2.075	2.925	11.5	18.5
1 22	9 58.60	+19 6.4	1.995	2.918	8.1	18.3
2 1	9 49.32	+19 26.5	1.943	2.911	4.4	18.0
2 11	9 38.83	+19 44.0	1.919	2.903	1.8	17.9
2 21	9 28.15	+19 54.4	1.926	2.895	4.8	18.0
3 2	9 18.39	+19 54.9	1.963	2.886	8.7	18.3
3 12	9 10.50	+19 44.3	2.025	2.877	12.2	18.5
3 22	9 5.05	+19 23.1	2.109	2.867	15.1	18.6
244790 2003 SQ_{210}			2 11.7 276°.95		3°.8/14.0 17	
1 12	10 3.68	+ 3 11.5	1.768	2.588	14.6	21.5
1 22	9 57.68	+ 3 12.0	1.657	2.554	11.2	21.2
2 1	9 49.16	+ 3 30.8	1.569	2.520	7.4	20.9
2 11	9 38.83	+ 4 6.8	1.508	2.485	4.1	20.6
2 21	9 27.76	+ 4 56.3	1.475	2.449	5.2	20.6
3 2	9 17.24	+ 5 53.4	1.471	2.412	9.5	20.8
3 12	9 8.55	+ 6 51.2	1.493	2.375	13.9	20.9
3 22	9 2.58	+ 7 43.7	1.535	2.336	18.0	21.1
31742 1999 JA_{79}			2 11.7 294°.10		3°.1/ 8.9 18	
1 12	9 58.96	+17 29.4	1.717	2.584	12.6	18.2
1 22	9 54.25	+19 7.4	1.637	2.569	8.9	17.9
2 1	9 47.23	+20 55.7	1.583	2.553	4.9	17.6
2 11	9 38.69	+22 44.9	1.557	2.537	3.3	17.5
2 21	9 29.74	+24 24.7	1.560	2.521	6.6	17.7
3 2	9 21.61	+25 46.9	1.590	2.506	10.9	17.9
3 12	9 15.43	+26 46.7	1.644	2.491	14.7	18.1
3 22	9 11.93	+27 23.3	1.717	2.476	18.0	18.3
247490 2002 NC_{37}			2 11.7 90°.38		2°.5/13.7 18	
1 12	10 3.35	+ 4 35.8	1.803	2.627	14.2	20.8
1 22	9 56.74	+ 5 1.9	1.753	2.655	10.4	20.6
2 1	9 48.23	+ 5 44.2	1.727	2.683	6.3	20.4
2 11	9 38.75	+ 6 38.3	1.729	2.710	2.8	20.2
2 21	9 29.35	+ 7 38.2	1.761	2.737	4.1	20.4
3 2	9 21.08	+ 8 37.7	1.821	2.763	7.9	20.7
3 12	9 14.76	+ 9 31.4	1.908	2.788	11.5	20.9
3 22	9 10.84	+10 15.7	2.017	2.813	14.5	21.2
36333 2000 NV_{4}			2 11.7 181°.54		0°.7/11.2 18	
1 12	10 4.60	+13 54.7	2.051	2.895	11.9	19.8
1 22	9 57.72	+14 33.4	1.977	2.897	8.4	19.6
2 1	9 48.85	+15 19.6	1.929	2.898	4.4	19.3
2 11	9 38.81	+16 8.1	1.911	2.897	0.7	19.0
2 21	9 28.60	+16 53.4	1.923	2.897	4.3	19.3
3 2	9 19.28	+17 30.7	1.965	2.895	8.3	19.6
3 12	9 11.76	+17 57.2	2.034	2.892	11.8	19.8
3 22	9 6.60	+18 11.7	2.124	2.889	14.8	20.0
175292 2005 LY_{22}			2 11.7 154°.01		0°.8/10.9 18	
1 12	9 58.18	+15 11.2	2.914	3.758	8.7	21.2
1 22	9 52.74	+15 48.1	2.844	3.764	6.1	21.0
2 1	9 46.03	+16 29.3	2.802	3.771	3.2	20.8
2 11	9 38.62	+17 11.1	2.791	3.777	0.8	20.6
2 21	9 31.13	+17 50.1	2.811	3.782	3.2	20.9
3 2	9 24.23	+18 23.0	2.861	3.787	6.1	21.1
3 12	9 18.50	+18 47.8	2.939	3.792	8.7	21.2
3 22	9 14.35	+19 3.5	3.040	3.796	11.0	21.4
62048 2000 RC_{67}			2 11.7 91°.95		1°.3/10.9 18	
1 12	10 5.46	+15 15.7	1.551	2.409	14.3	19.3
1 22	9 58.56	+15 53.9	1.501	2.427	10.0	19.1
2 1	9 49.31	+16 39.4	1.476	2.446	5.2	18.8
2 11	9 38.83	+17 25.0	1.479	2.464	1.3	18.6
2 21	9 28.43	+18 4.2	1.509	2.482	5.2	18.9
3 2	9 19.40	+18 32.1	1.568	2.500	9.7	19.2
3 12	9 12.73	+18 46.4	1.650	2.517	13.7	19.5
3 22	9 8.91	+18 47.0	1.753	2.534	16.9	19.7
431156 2006 QG_{186}			2 11.7 182°.93		3°.8/ 8.3 17	
1 12	10 1.73	+25 49.2	2.488	3.343	9.6	21.7
1 22	9 55.47	+26 29.0	2.422	3.343	7.0	21.6
2 1	9 47.56	+27 6.0	2.384	3.343	4.5	21.4
2 11	9 38.72	+27 35.1	2.375	3.343	3.9	21.4
2 21	9 29.82	+27 52.3	2.396	3.343	5.8	21.5
3 2	9 21.73	+27 55.4	2.446	3.342	8.5	21.6
3 12	9 15.20	+27 44.1	2.520	3.342	11.1	21.8
3 22	9 10.71	+27 20.0	2.617	3.341	13.3	22.0
428918 2008 VQ_{74}			2 11.7 235°.43		0°.5/12.1 17	
1 12	9 59.57	+10 50.0	2.097	2.941	11.7	21.7
1 22	9 54.14	+11 14.6	2.022	2.939	8.4	21.4
2 1	9 46.93	+11 48.9	1.972	2.938	4.6	21.2
2 11	9 38.69	+12 28.9	1.951	2.937	0.7	20.9
2 21	9 30.30	+13 9.9	1.959	2.936	3.7	21.1
3 2	9 22.69	+13 47.2	1.996	2.935	7.6	21.4
3 12	9 16.67	+14 17.4	2.060	2.933	11.0	21.6
3 22	9 12.78	+14 38.2	2.145	2.932	14.0	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
220769 2004 TP_{128}			2 11.7	76°.94	1°.9/10.2	18
	h m	° ′			°	m
1 12	10 1.14	+17 24.2	1.883	2.742	12.1	20.0
1 22	9 55.39	+18 7.9	1.818	2.746	8.4	19.8
2 1	9 47.64	+18 56.5	1.779	2.749	4.5	19.5
2 11	9 38.74	+19 44.0	1.769	2.753	1.9	19.4
2 21	9 29.73	+20 24.4	1.787	2.756	5.1	19.6
3 2	9 21.70	+20 53.4	1.834	2.760	9.0	19.8
3 12	9 15.55	+21 8.6	1.905	2.763	12.5	20.1
3 22	9 11.80	+21 10.0	1.997	2.767	15.5	20.3
4064 Marjorie			2 11.7	44°.94	1°.8/10.7	18
1 12	10 5.18	+17 31.8	1.521	2.384	14.2	17.1
1 22	9 58.57	+17 50.4	1.459	2.387	10.0	16.9
2 1	9 49.43	+18 13.7	1.420	2.390	5.3	16.6
2 11	9 38.86	+18 35.3	1.409	2.394	1.8	16.4
2 21	9 28.21	+18 49.7	1.425	2.397	5.6	16.6
3 2	9 18.87	+18 52.9	1.468	2.401	10.2	16.9
3 12	9 11.95	+18 43.6	1.535	2.405	14.4	17.1
3 22	9 8.01	+18 22.2	1.622	2.409	17.8	17.4
360560 2003 TC_{11}			2 11.7	111°.51	2°.4/ 9.8	18
1 12	10 3.19	+17 5.5	1.722	2.582	13.0	20.3
1 22	9 56.90	+18 17.0	1.669	2.597	9.0	20.1
2 1	9 48.45	+19 34.4	1.642	2.611	4.8	19.9
2 11	9 38.79	+20 49.6	1.643	2.626	2.4	19.7
2 21	9 29.10	+21 54.7	1.673	2.639	5.7	20.0
3 2	9 20.55	+22 44.3	1.731	2.653	9.7	20.2
3 12	9 14.12	+23 15.9	1.813	2.665	13.3	20.5
3 22	9 10.31	+23 30.0	1.916	2.678	16.3	20.7
368257 2001 XR_{178}			2 11.7	104°.93	5°.4/15.6	18
1 12	10 1.84	− 1 30.4	1.940	2.737	14.4	20.5
1 22	9 55.78	− 1 55.9	1.869	2.745	11.3	20.4
2 1	9 47.82	− 2 2.6	1.821	2.753	8.2	20.2
2 11	9 38.76	− 1 51.1	1.800	2.761	5.7	20.0
2 21	9 29.58	− 1 23.9	1.807	2.769	5.8	20.1
3 2	9 21.28	− 0 45.7	1.843	2.777	8.3	20.2
3 12	9 14.74	− 0 2.4	1.904	2.785	11.4	20.4
3 22	9 10.49	+ 0 40.8	1.987	2.792	14.3	20.6
7254 Kuratani			2 11.7	131°.07	0°.8/11.2	18
1 12	10 6.25	+13 8.8	1.596	2.447	14.3	18.5
1 22	9 59.15	+14 2.8	1.540	2.463	10.1	18.2
2 1	9 49.68	+15 7.2	1.509	2.478	5.3	18.0
2 11	9 38.89	+16 14.3	1.505	2.492	0.8	17.7
2 21	9 28.07	+17 16.3	1.532	2.505	5.0	18.0
3 2	9 18.53	+18 6.9	1.586	2.518	9.7	18.3
3 12	9 11.31	+18 42.5	1.664	2.529	13.7	18.6
3 22	9 6.95	+19 2.5	1.764	2.540	17.0	18.9
305628 2009 BQ_{2}			2 11.7	358°.71	3°.6/13.3	18
1 12	9 59.51	+ 7 51.6	1.002	1.874	19.0	19.6
1 22	9 55.38	+ 7 15.1	0.941	1.869	14.2	19.3
2 1	9 48.07	+ 6 57.4	0.900	1.865	8.7	19.0
2 11	9 38.79	+ 6 56.4	0.881	1.864	3.9	18.7
2 21	9 29.24	+ 7 7.6	0.885	1.864	6.2	18.9
3 2	9 21.24	+ 7 24.6	0.911	1.866	11.7	19.2
3 12	9 16.22	+ 7 40.4	0.958	1.869	17.0	19.5
3 22	9 14.86	+ 7 49.9	1.021	1.875	21.4	19.8
85168 Albertacentenary			2 11.7	124°.92	5°.6/17.7	17
1 12	9 59.82	− 8 16.6	2.982	3.719	11.2	20.9
1 22	9 53.84	− 8 44.9	2.909	3.735	9.3	20.8
2 1	9 46.61	− 8 57.1	2.860	3.751	7.4	20.7
2 11	9 38.69	− 8 53.1	2.839	3.766	5.9	20.6
2 21	9 30.71	− 8 34.3	2.847	3.780	5.7	20.6
3 2	9 23.30	− 8 3.5	2.884	3.795	6.8	20.7
3 12	9 17.04	− 7 24.7	2.949	3.808	8.5	20.8
3 22	9 12.33	− 6 42.1	3.038	3.822	10.4	21.0
385039 2012 TQ_{310}			2 11.7	128°.13	1°.0/10.7	18
1 12	9 59.02	+15 41.9	2.764	3.609	9.1	21.7
1 22	9 53.36	+16 22.9	2.702	3.623	6.3	21.5
2 1	9 46.38	+17 8.1	2.668	3.636	3.3	21.4
2 11	9 38.68	+17 53.3	2.664	3.649	1.0	21.2
2 21	9 30.95	+18 34.6	2.692	3.662	3.5	21.4
3 2	9 23.87	+19 8.9	2.749	3.674	6.4	21.6
3 12	9 18.06	+19 34.1	2.835	3.686	9.1	21.8
3 22	9 13.92	+19 49.4	2.943	3.697	11.3	22.0
498205 2007 TV_{391}			2 11.7	105°.16	4°.4/16.1	17
1 12	9 57.84	− 2 21.7	2.342	3.131	12.4	21.6
1 22	9 52.73	− 2 15.6	2.268	3.140	9.8	21.4
2 1	9 46.13	− 1 51.9	2.218	3.149	7.0	21.2
2 11	9 38.67	− 1 12.1	2.196	3.157	4.8	21.1
2 21	9 31.11	− 0 19.7	2.202	3.166	4.8	21.1
3 2	9 24.24	+ 0 40.6	2.238	3.174	7.0	21.3
3 12	9 18.74	+ 1 43.2	2.300	3.183	9.7	21.5
3 22	9 15.08	+ 2 43.3	2.387	3.191	12.2	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
175256 2005 JH_{67}			2 11.7	192°.32	5°.0/ 5.5	17
	h m	° ′			°	m
1 12	10 0.57	+31 10.8	2.862	3.714	8.7	20.9
1 22	9 54.65	+32 26.9	2.801	3.712	6.6	20.8
2 1	9 47.16	+33 38.0	2.768	3.709	5.2	20.7
2 11	9 38.74	+34 38.1	2.765	3.707	5.3	20.7
2 21	9 30.17	+35 22.9	2.792	3.704	6.8	20.8
3 2	9 22.26	+35 49.9	2.846	3.700	8.9	20.9
3 12	9 15.74	+35 59.0	2.925	3.696	10.9	21.1
3 22	9 11.10	+35 51.9	3.023	3.692	12.7	21.2
316988 2001 MN_{26}			2 11.7	128°.62	3°.1/ 8.8	18
1 12	10 2.34	+19 50.7	2.094	2.951	11.1	20.2
1 22	9 56.09	+21 16.1	2.040	2.966	7.8	20.1
2 1	9 47.97	+22 44.2	2.014	2.981	4.4	19.9
2 11	9 38.80	+24 7.4	2.018	2.995	3.2	19.8
2 21	9 29.55	+25 18.7	2.052	3.008	5.8	20.0
3 2	9 21.24	+26 13.4	2.115	3.021	9.1	20.2
3 12	9 14.71	+26 49.8	2.203	3.033	12.1	20.5
3 22	9 10.45	+27 8.5	2.312	3.045	14.6	20.7
121160 1999 JL_{102}			2 11.7	254°.90	1°.4/12.7	18
1 12	10 1.38	+ 7 48.5	1.621	2.465	14.5	20.0
1 22	9 55.95	+ 8 25.1	1.538	2.455	10.6	19.8
2 1	9 48.15	+ 9 19.1	1.480	2.444	6.1	19.5
2 11	9 38.83	+10 25.3	1.448	2.433	1.6	19.1
2 21	9 29.12	+11 36.6	1.444	2.422	4.5	19.3
3 2	9 20.33	+12 45.4	1.468	2.411	9.3	19.6
3 12	9 13.59	+13 45.0	1.517	2.399	13.8	19.8
3 22	9 9.59	+14 31.3	1.586	2.388	17.5	20.0
208921 2002 UA_{9}			2 11.7	39°.21	2°.4/13.9	18
1 12	9 56.99	+ 3 27.2	1.689	2.523	14.5	19.4
1 22	9 52.46	+ 4 24.9	1.637	2.545	10.7	19.2
2 1	9 46.06	+ 5 42.0	1.610	2.568	6.5	19.0
2 11	9 38.67	+ 7 12.8	1.609	2.591	2.7	18.8
2 21	9 31.28	+ 8 49.1	1.637	2.615	4.1	18.9
3 2	9 24.91	+10 22.4	1.693	2.639	8.0	19.2
3 12	9 20.38	+11 45.8	1.775	2.664	11.7	19.5
3 22	9 18.13	+12 54.9	1.879	2.689	14.8	19.7
365145 2009 DV_{59}			2 11.7	15°.18	2°.2/10.4	18
1 12	10 0.14	+15 47.0	1.175	2.055	16.3	20.6
1 22	9 55.50	+16 42.7	1.122	2.058	11.4	20.3
2 1	9 47.99	+17 49.2	1.090	2.063	6.0	20.0
2 11	9 38.81	+18 56.7	1.083	2.068	2.2	19.8
2 21	9 29.51	+19 55.0	1.101	2.074	6.6	20.1
3 2	9 21.69	+20 36.7	1.143	2.081	11.9	20.4
3 12	9 16.61	+20 58.2	1.206	2.089	16.5	20.7
3 22	9 14.84	+20 59.6	1.288	2.098	20.3	21.0
422434 2014 SP_{296}			2 11.7	9°.00	7°.0/ 8.4	18
1 12	10 8.62	+30 7.8	1.385	2.255	15.0	19.5
1 22	10 1.29	+30 35.7	1.332	2.256	11.2	19.3
2 1	9 50.96	+30 53.1	1.302	2.257	8.0	19.1
2 11	9 39.02	+30 51.2	1.297	2.260	7.1	19.1
2 21	9 27.18	+30 24.7	1.317	2.263	9.6	19.2
3 2	9 17.13	+29 33.6	1.363	2.268	13.2	19.4
3 12	9 10.08	+28 22.1	1.431	2.273	16.8	19.7
3 22	9 6.52	+26 56.1	1.517	2.278	19.9	19.9
347297 2011 OW_{19}			2 11.7	213°.48	1°.3/12.9	17
1 12	9 59.63	+ 8 42.4	2.591	3.419	10.2	21.0
1 22	9 53.94	+ 8 47.8	2.507	3.415	7.4	20.8
2 1	9 46.77	+ 9 1.7	2.450	3.411	4.3	20.6
2 11	9 38.74	+ 9 21.8	2.422	3.406	1.5	20.4
2 21	9 30.57	+ 9 45.0	2.425	3.401	3.1	20.5
3 2	9 23.01	+10 8.3	2.457	3.396	6.3	20.7
3 12	9 16.74	+10 28.5	2.518	3.390	9.3	20.9
3 22	9 12.22	+10 43.7	2.602	3.385	11.9	21.0
482378 2011 YS_{75}			2 11.7	88°.78	4°.9/ 7.8	18
1 12	10 3.95	+13 30.5	1.025	1.902	18.3	20.3
1 22	9 58.61	+17 6.6	0.980	1.918	12.6	20.0
2 1	9 49.84	+21 3.6	0.961	1.933	6.8	19.8
2 11	9 38.97	+24 55.9	0.969	1.948	5.4	19.7
2 21	9 27.83	+28 18.4	1.006	1.962	10.2	20.0
3 2	9 18.43	+30 55.1	1.067	1.977	15.5	20.4
3 12	9 12.29	+32 42.2	1.149	1.991	20.1	20.7
3 22	9 10.10	+33 44.8	1.246	2.005	23.6	21.0
378837 2008 SF_{288}			2 11.7	95°.10	1°.9/13.5	18
1 12	9 58.78	+ 5 52.5	2.121	2.950	12.2	21.5
1 22	9 53.52	+ 6 18.9	2.052	2.958	8.9	21.3
2 1	9 46.60	+ 6 58.8	2.008	2.967	5.4	21.1
2 11	9 38.73	+ 7 48.8	1.993	2.975	2.2	20.9
2 21	9 30.77	+ 8 43.9	2.007	2.984	3.6	21.0
3 2	9 23.60	+ 9 39.0	2.050	2.992	7.1	21.3
3 12	9 17.98	+10 29.2	2.120	3.000	10.5	21.5
3 22	9 14.38	+11 11.3	2.212	3.008	13.3	21.7

357395 2003 UU_{195} 2 11.7 141°.70 1°.0/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 3.68	+14 29.3	1.968	2.816	12.1	21.4
1 22	9 57.07	+15 16.4	1.906	2.828	8.5	21.2
2 1	9 48.52	+16 10.7	1.870	2.839	4.4	21.0
2 11	9 38.87	+17 6.2	1.864	2.850	1.0	20.8
2 21	9 29.15	+17 57.1	1.887	2.859	4.4	21.1
3 2	9 20.43	+18 38.3	1.940	2.868	8.4	21.3
3 12	9 13.56	+19 7.2	2.018	2.877	11.9	21.5
3 22	9 9.06	+19 23.0	2.118	2.885	14.8	21.8

371193 2005 YG_{133} 2 11.7 68°.39 1°.3/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.85	+15 47.9	1.798	2.656	12.6	21.3
1 22	9 55.92	+16 21.3	1.737	2.663	8.8	21.1
2 1	9 47.95	+17 1.0	1.701	2.671	4.6	20.9
2 11	9 38.83	+17 41.0	1.694	2.679	1.3	20.7
2 21	9 29.66	+18 15.8	1.715	2.687	4.8	20.9
3 2	9 21.54	+18 41.0	1.764	2.695	8.9	21.2
3 12	9 15.38	+18 54.2	1.837	2.704	12.5	21.4
3 22	9 11.70	+18 55.0	1.932	2.712	15.6	21.6

120266 2004 GF_{59} 2 11.7 223°.98 5°.3/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.16	+23 59.2	1.454	2.324	14.3	20.1
1 22	9 59.62	+25 11.2	1.391	2.320	10.3	19.8
2 1	9 50.19	+26 23.3	1.352	2.316	6.6	19.6
2 11	9 39.01	+27 25.0	1.340	2.312	5.5	19.5
2 21	9 27.57	+28 7.1	1.355	2.308	8.6	19.7
3 2	9 17.51	+28 24.9	1.395	2.303	12.7	19.9
3 12	9 10.12	+28 18.3	1.458	2.299	16.6	20.1
3 22	9 6.07	+27 50.8	1.538	2.293	19.9	20.3

263421 2008 DC_{49} 2 11.7 288°.75 9°.0/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.67	+36 11.2	1.672	2.525	13.7	20.2
1 22	10 2.03	+37 12.9	1.611	2.516	11.0	20.0
2 1	9 51.43	+38 1.0	1.574	2.506	9.2	19.9
2 11	9 39.09	+38 25.2	1.563	2.497	9.3	19.9
2 21	9 26.63	+38 19.2	1.578	2.487	11.2	20.0
3 2	9 15.73	+37 42.3	1.617	2.478	14.1	20.1
3 12	9 7.66	+36 38.5	1.678	2.469	17.0	20.3
3 22	9 3.03	+35 14.5	1.756	2.460	19.5	20.5

241446 2008 YB_{62} 2 11.7 305°.69 0°.3/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.54	+10 36.2	2.050	2.897	11.8	20.6
1 22	9 52.87	+11 16.8	1.964	2.884	8.4	20.3
2 1	9 46.38	+12 9.1	1.903	2.870	4.6	20.1
2 11	9 38.74	+13 8.4	1.870	2.857	0.5	19.7
2 21	9 30.84	+14 9.1	1.867	2.844	3.8	20.0
3 2	9 23.63	+15 5.5	1.892	2.831	7.9	20.2
3 12	9 17.97	+15 53.0	1.943	2.818	11.5	20.4
3 22	9 14.44	+16 28.8	2.017	2.806	14.7	20.6

41500 2000 QO_{143} 2 11.7 312°.91 2°.3/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.63	+ 5 14.1	1.608	2.450	14.7	18.2
1 22	9 53.36	+ 5 49.5	1.519	2.432	11.0	17.9
2 1	9 46.82	+ 6 45.4	1.454	2.415	6.7	17.6
2 11	9 38.78	+ 7 58.0	1.414	2.397	2.6	17.3
2 21	9 30.32	+ 9 20.2	1.402	2.381	4.5	17.4
3 2	9 22.66	+10 43.8	1.417	2.364	9.2	17.6
3 12	9 16.93	+12 0.5	1.457	2.348	13.6	17.9
3 22	9 13.85	+13 4.6	1.517	2.333	17.5	18.1

452356 2001 UA_{147} 2 11.7 125°.82 2°.1/10.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.57	+17 18.2	1.743	2.597	13.1	22.8
1 22	9 59.24	+18 9.2	1.690	2.615	9.2	22.6
2 1	9 49.70	+19 4.9	1.662	2.631	4.9	22.4
2 11	9 38.97	+19 58.1	1.663	2.647	2.1	22.3
2 21	9 28.26	+20 42.3	1.694	2.662	5.4	22.5
3 2	9 18.79	+21 12.9	1.753	2.677	9.5	22.8
3 12	9 11.53	+21 28.2	1.837	2.690	13.1	23.0
3 22	9 6.98	+21 28.9	1.942	2.703	16.1	23.3

178393 1998 FD_{47} 2 11.7 317°.15 3°.3/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.29	+22 52.1	1.987	2.849	11.4	19.2
1 22	9 56.31	+23 16.0	1.906	2.833	8.2	18.9
2 1	9 48.23	+23 39.3	1.851	2.817	4.8	18.7
2 11	9 38.87	+23 56.2	1.824	2.802	3.4	18.6
2 21	9 29.30	+24 2.2	1.826	2.787	5.9	18.7
3 2	9 20.63	+23 54.4	1.856	2.773	9.5	18.9
3 12	9 13.82	+23 32.3	1.910	2.759	12.9	19.1
3 22	9 9.48	+22 57.1	1.985	2.745	15.9	19.2

214887 2007 RT_{270} 2 11.7 21°.89 0°.8/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.71	+14 31.2	1.840	2.699	12.3	20.1
1 22	9 53.68	+15 2.4	1.779	2.706	8.6	19.9
2 1	9 46.76	+15 41.0	1.743	2.713	4.5	19.7
2 11	9 38.77	+16 21.6	1.735	2.721	0.8	19.4
2 21	9 30.72	+16 58.8	1.755	2.729	4.4	19.7
3 2	9 23.63	+17 28.1	1.803	2.738	8.4	19.9
3 12	9 18.35	+17 46.6	1.875	2.748	12.0	20.2
3 22	9 15.37	+17 53.2	1.969	2.758	15.0	20.4

222362 2000 XO_{23} 2 11.7 41°.98 6°.0/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 6.20	+27 56.2	1.516	2.385	13.9	19.5
1 22	9 59.22	+28 38.4	1.476	2.402	10.2	19.3
2 1	9 49.72	+29 13.3	1.460	2.419	6.9	19.2
2 11	9 38.97	+29 32.6	1.470	2.436	6.1	19.1
2 21	9 28.45	+29 31.4	1.507	2.455	8.5	19.3
3 2	9 19.54	+29 8.6	1.570	2.473	11.9	19.6
3 12	9 13.25	+28 26.7	1.655	2.492	15.1	19.8
3 22	9 10.00	+27 29.9	1.759	2.511	17.9	20.1

376447 2012 HF_{50} 2 11.7 174°.39 3°.4/ 8.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.95	+23 42.8	2.544	3.398	9.5	21.7
1 22	9 55.66	+24 40.8	2.479	3.401	6.8	21.5
2 1	9 47.73	+25 38.2	2.441	3.403	4.2	21.4
2 11	9 38.86	+26 29.1	2.434	3.405	3.5	21.3
2 21	9 29.88	+27 9.0	2.458	3.406	5.5	21.5
3 2	9 21.65	+27 34.8	2.510	3.407	8.2	21.6
3 12	9 14.93	+27 45.6	2.588	3.407	10.9	21.8
3 22	9 10.18	+27 42.3	2.687	3.407	13.1	22.0

83237 2001 RV_{45} 2 11.7 302°.58 5°.7/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.98	− 4 25.5	1.765	2.560	15.6	19.1
1 22	9 53.35	− 4 2.8	1.683	2.557	12.5	18.9
2 1	9 46.70	− 3 13.5	1.623	2.553	9.1	18.7
2 11	9 38.79	− 1 59.3	1.588	2.550	6.3	18.5
2 21	9 30.62	− 0 25.6	1.580	2.546	6.0	18.5
3 2	9 23.26	+ 1 19.6	1.601	2.543	8.7	18.6
3 12	9 17.68	+ 3 6.5	1.647	2.540	12.2	18.8
3 22	9 14.48	+ 4 46.9	1.716	2.537	15.6	19.0

107325 2001 CE_{15} 2 11.7 63°.62 2°.9/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.07	+19 4.4	1.475	2.343	14.3	19.4
1 22	9 57.87	+19 52.1	1.419	2.350	10.0	19.2
2 1	9 49.13	+20 43.9	1.388	2.358	5.5	18.9
2 11	9 38.96	+21 31.6	1.383	2.365	3.0	18.8
2 21	9 28.73	+22 7.8	1.406	2.373	6.4	19.0
3 2	9 19.86	+22 27.9	1.454	2.381	10.9	19.3
3 12	9 13.45	+22 30.4	1.526	2.389	14.9	19.5
3 22	9 10.04	+22 16.6	1.617	2.397	18.1	19.8

340802 2006 TD_{70} 2 11.7 99°.76 6°.4/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.75	− 8 56.2	2.523	3.270	12.8	20.5
1 22	9 52.65	− 9 16.2	2.446	3.278	10.7	20.4
2 1	9 46.11	− 9 16.7	2.392	3.285	8.5	20.3
2 11	9 38.75	− 8 57.5	2.363	3.293	6.8	20.2
2 21	9 31.26	− 8 20.6	2.363	3.300	6.5	20.2
3 2	9 24.41	− 7 29.7	2.390	3.308	7.6	20.2
3 12	9 18.84	− 6 30.1	2.444	3.315	9.6	20.4
3 22	9 15.00	− 5 27.5	2.522	3.322	11.8	20.5

288835 2004 RX_{192} 2 11.7 143°.55 1°.1/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.08	+ 9 18.9	1.793	2.630	13.6	21.1
1 22	9 58.19	+ 9 38.2	1.727	2.641	9.8	20.8
2 1	9 49.18	+10 9.5	1.687	2.651	5.5	20.6
2 11	9 38.96	+10 48.4	1.674	2.660	1.4	20.3
2 21	9 28.66	+11 29.6	1.692	2.668	4.1	20.5
3 2	9 19.43	+12 7.8	1.737	2.676	8.4	20.8
3 12	9 12.22	+12 38.8	1.809	2.684	12.3	21.1
3 22	9 7.57	+13 0.3	1.903	2.690	15.5	21.3

134692 1999 XV_{66} 2 11.7 93°.02 1°.8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.04	+ 7 43.9	1.650	2.491	14.5	20.2
1 22	9 56.84	+ 7 59.8	1.590	2.504	10.5	20.0
2 1	9 48.48	+ 8 30.1	1.554	2.517	6.1	19.7
2 11	9 38.91	+ 9 10.5	1.545	2.529	2.0	19.5
2 21	9 29.30	+ 9 55.3	1.565	2.542	4.3	19.7
3 2	9 20.82	+10 38.8	1.612	2.555	8.6	20.0
3 12	9 14.44	+11 15.8	1.684	2.567	12.6	20.2
3 22	9 10.67	+11 43.3	1.778	2.579	15.9	20.5

39081 2000 VO_{31} 2 11.7 168°.61 0°.9/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.27	+ 9 15.8	1.941	2.777	12.8	20.5
1 22	9 56.87	+ 9 48.4	1.868	2.781	9.2	20.3
2 1	9 48.48	+10 33.0	1.821	2.785	5.1	20.1
2 11	9 38.92	+11 25.2	1.803	2.789	1.1	19.8
2 21	9 29.20	+12 19.1	1.814	2.791	3.9	20.0
3 2	9 20.39	+13 9.4	1.855	2.793	8.1	20.2
3 12	9 13.40	+13 51.5	1.922	2.794	11.8	20.5
3 22	9 8.77	+14 22.9	2.011	2.795	14.9	20.7

210858 2001 RM_{41} 2 11.7 63°.40 0°.0/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.51	+12 53.2	2.096	2.943	11.5	20.5
1 22	9 54.71	+13 10.6	2.036	2.957	8.1	20.3
2 1	9 47.23	+13 35.1	2.002	2.970	4.3	20.1
2 11	9 38.83	+14 2.8	1.997	2.984	0.3	19.7
2 21	9 30.42	+14 29.4	2.021	2.997	3.7	20.1
3 2	9 22.91	+14 51.3	2.075	3.011	7.4	20.3
3 12	9 17.05	+15 5.8	2.154	3.025	10.7	20.5
3 22	9 13.30	+15 11.7	2.256	3.039	13.5	20.8

230481 2002 TO_{51} 2 11.7 154°.45 2°.7/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 4.44	+ 4 20.1	1.790	2.612	14.3	20.9
1 22	9 57.78	+ 4 46.6	1.720	2.621	10.7	20.6
2 1	9 48.99	+ 5 30.7	1.675	2.630	6.6	20.4
2 11	9 38.96	+ 6 28.3	1.657	2.638	3.0	20.2
2 21	9 28.79	+ 7 33.4	1.669	2.645	4.3	20.3
3 2	9 19.62	+ 8 39.4	1.710	2.651	8.4	20.6
3 12	9 12.43	+ 9 39.8	1.777	2.656	12.2	20.8
3 22	9 7.78	+10 30.7	1.867	2.661	15.5	21.0

233124 2005 TF_{83} 2 11.7 133°.85 0°.7/11.3 18

1 12	10 6.90	+14 0.8	1.621	2.472	14.1	21.0
1 22	9 59.63	+14 31.1	1.561	2.484	10.0	20.8
2 1	9 49.99	+15 9.8	1.527	2.496	5.2	20.5
2 11	9 39.03	+15 50.7	1.520	2.507	0.7	20.2
2 21	9 28.03	+16 27.5	1.543	2.517	4.9	20.6
3 2	9 18.31	+16 55.2	1.593	2.527	9.5	20.9
3 12	9 10.91	+17 11.1	1.668	2.536	13.5	21.1
3 22	9 6.36	+17 14.6	1.764	2.545	16.8	21.4

218646 2005 SD_{65} 2 11.7 203°.52 0°.4/12.1 18

1 12	10 2.11	+11 16.5	2.018	2.860	12.1	21.3
1 22	9 56.04	+11 38.8	1.940	2.857	8.7	21.1
2 1	9 48.05	+12 10.6	1.888	2.854	4.7	20.9
2 11	9 38.90	+12 47.9	1.864	2.851	0.6	20.5
2 21	9 29.56	+13 25.7	1.870	2.847	3.9	20.8
3 2	9 21.05	+13 59.6	1.905	2.843	7.9	21.0
3 12	9 14.27	+14 25.8	1.967	2.838	11.6	21.2
3 22	9 9.76	+14 42.6	2.050	2.833	14.7	21.4

199423 2006 DR_{6} 2 11.7 84°.06 0°.1/11.8 18

1 12	9 59.95	+11 16.5	1.924	2.772	12.4	20.4
1 22	9 54.49	+11 59.3	1.862	2.783	8.8	20.2
2 1	9 47.19	+12 52.5	1.825	2.793	4.7	19.9
2 11	9 38.84	+13 50.7	1.817	2.803	0.4	19.6
2 21	9 30.42	+14 48.0	1.837	2.814	4.0	19.9
3 2	9 22.92	+15 38.8	1.887	2.824	8.0	20.2
3 12	9 17.16	+16 19.3	1.962	2.834	11.6	20.4
3 22	9 13.66	+16 47.5	2.058	2.844	14.6	20.7

375002 2007 FK_{16} 2 11.7 175°.86 2°.0/10.5 18

1 12	10 6.70	+19 36.3	1.936	2.789	12.1	20.6
1 22	9 59.30	+19 43.5	1.866	2.790	8.5	20.4
2 1	9 49.76	+19 51.6	1.822	2.790	4.6	20.1
2 11	9 39.03	+19 55.9	1.807	2.791	2.0	20.0
2 21	9 28.23	+19 52.5	1.822	2.791	5.0	20.2
3 2	9 18.52	+19 39.1	1.865	2.791	8.9	20.4
3 12	9 10.84	+19 15.3	1.935	2.791	12.5	20.6
3 22	9 5.73	+18 42.2	2.026	2.790	15.4	20.8

171939 2001 SH_{235} 2 11.7 153°.43 3°.2/ 8.5 18

1 12	10 1.28	+24 30.9	2.691	3.545	9.1	20.3
1 22	9 55.08	+25 13.2	2.629	3.551	6.5	20.1
2 1	9 47.38	+25 53.6	2.595	3.557	4.1	20.0
2 11	9 38.86	+26 27.5	2.591	3.562	3.3	20.0
2 21	9 30.30	+26 51.1	2.618	3.567	5.2	20.1
3 2	9 22.48	+27 2.1	2.673	3.572	7.7	20.3
3 12	9 16.09	+27 0.0	2.755	3.576	10.2	20.4
3 22	9 11.55	+26 45.9	2.858	3.580	12.3	20.6

498597 2008 RK_{29} 2 11.7 225°.22 0°.6/12.3 17

1 12	10 0.39	+10 19.2	2.385	3.220	10.8	22.7
1 22	9 54.66	+10 47.8	2.297	3.210	7.7	22.5
2 1	9 47.28	+11 25.9	2.235	3.200	4.3	22.3
2 11	9 38.87	+12 9.8	2.203	3.189	0.7	22.0
2 21	9 30.23	+12 55.1	2.201	3.178	3.4	22.2
3 2	9 22.22	+13 37.5	2.230	3.166	7.0	22.4
3 12	9 15.62	+14 13.4	2.285	3.153	10.3	22.5
3 22	9 10.94	+14 40.6	2.364	3.140	13.2	22.7

32200 Seiicyoshida 2 11.7 146°.89 3°.1/ 8.0 18

1 12	9 59.19	+23 35.6	2.858	3.713	8.6	19.1
1 22	9 53.58	+24 43.2	2.799	3.722	6.1	19.0
2 1	9 46.59	+25 50.3	2.769	3.731	3.8	18.8
2 11	9 38.81	+26 51.6	2.769	3.739	3.3	18.8
2 21	9 30.95	+27 42.7	2.800	3.747	5.1	18.9
3 2	9 23.73	+28 20.6	2.861	3.754	7.5	19.1
3 12	9 17.78	+28 44.3	2.947	3.761	9.8	19.3
3 22	9 13.54	+28 54.2	3.055	3.767	11.8	19.4

354947 2006 EU_{56} 2 11.8 321°.95 0°.6/12.0 16

1 12	10 1.00	+11 58.3	1.170	2.042	16.9	20.3
1 22	9 56.51	+12 3.7	1.087	2.019	12.3	19.9
2 1	9 48.85	+12 23.5	1.026	1.996	6.8	19.6
2 11	9 39.00	+12 52.7	0.988	1.975	0.9	19.1
2 21	9 28.48	+13 24.3	0.975	1.954	5.8	19.4
3 2	9 19.10	+13 51.1	0.985	1.934	11.9	19.6
3 12	9 12.47	+14 7.2	1.017	1.916	17.5	19.9
3 22	9 9.51	+14 9.8	1.066	1.898	22.2	20.1

448257 2008 XG_{52} 2 11.8 47°.63 4°.1/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 3.75	+20 8.9	1.244	2.121	15.7	20.2
1 22	9 57.94	+21 16.3	1.197	2.133	11.0	19.9
2 1	9 49.27	+22 27.4	1.174	2.144	6.3	19.7
2 11	9 39.00	+23 31.4	1.176	2.156	4.2	19.6
2 21	9 28.75	+24 18.9	1.204	2.168	7.7	19.8
3 2	9 20.12	+24 44.5	1.257	2.181	12.4	20.1
3 12	9 14.30	+24 47.5	1.330	2.194	16.5	20.4
3 22	9 11.81	+24 30.4	1.422	2.208	19.9	20.7

167886 2005 EK_{48} 2 11.8 54°.10 1°.3/12.6 18

1 12	10 2.19	+ 8 15.4	1.303	2.158	16.6	20.1
1 22	9 56.55	+ 8 51.8	1.257	2.179	11.9	19.9
2 1	9 48.41	+ 9 45.7	1.233	2.199	6.7	19.7
2 11	9 38.94	+10 50.2	1.235	2.221	1.6	19.4
2 21	9 29.55	+11 56.8	1.263	2.242	4.8	19.7
3 2	9 21.61	+12 57.2	1.318	2.264	9.8	20.0
3 12	9 16.16	+13 45.6	1.396	2.286	14.2	20.3
3 22	9 13.69	+14 19.1	1.494	2.308	17.8	20.6

73627 4040 $T\text{-}_{3}$ 2 11.8 124°.27 2°.1/10.2 18

1 12	10 5.14	+17 32.7	1.859	2.713	12.5	20.3
1 22	9 58.17	+18 24.8	1.805	2.730	8.7	20.1
2 1	9 49.15	+19 21.2	1.777	2.746	4.6	19.8
2 11	9 39.00	+20 15.1	1.778	2.761	2.1	19.7
2 21	9 28.86	+21 0.3	1.808	2.776	5.2	19.9
3 2	9 19.85	+21 32.5	1.867	2.790	9.1	20.2
3 12	9 12.87	+21 49.8	1.952	2.803	12.6	20.4
3 22	9 8.44	+21 52.8	2.057	2.816	15.4	20.7

228281 1999 XA_{118} 2 11.8 88°.46 4°.1/ 9.3 17

1 12	10 8.37	+20 59.3	1.329	2.198	15.5	20.4
1 22	10 0.96	+22 2.1	1.288	2.219	10.9	20.2
2 1	9 50.76	+23 6.0	1.272	2.240	6.2	20.0
2 11	9 39.11	+24 0.7	1.281	2.260	4.2	19.9
2 21	9 27.65	+24 38.3	1.318	2.280	7.5	20.1
3 2	9 17.93	+24 54.6	1.380	2.300	11.9	20.4
3 12	9 11.07	+24 50.2	1.465	2.319	15.8	20.7
3 22	9 7.55	+24 28.0	1.568	2.338	19.0	21.0

251259 2006 VO_{109} 2 11.8 91°.00 0°.9/10.9 18

1 12	10 1.54	+12 50.4	1.752	2.605	13.1	20.5
1 22	9 55.72	+13 59.9	1.699	2.623	9.2	20.3
2 1	9 47.87	+15 19.4	1.671	2.641	4.8	20.0
2 11	9 38.91	+16 41.4	1.673	2.659	0.9	19.8
2 21	9 29.93	+17 58.2	1.703	2.676	4.7	20.1
3 2	9 22.02	+19 3.2	1.762	2.694	8.9	20.4
3 12	9 16.09	+19 52.5	1.846	2.710	12.6	20.6
3 22	9 12.62	+20 25.3	1.951	2.727	15.6	20.9

150082 2006 UZ_{255} 2 11.8 79°.61 2°.8/13.9 18

1 12	10 3.40	+ 4 23.9	1.785	2.609	14.3	20.1
1 22	9 56.83	+ 4 40.9	1.737	2.638	10.6	20.0
2 1	9 48.36	+ 5 14.0	1.713	2.668	6.5	19.8
2 11	9 38.95	+ 5 59.2	1.717	2.697	3.1	19.6
2 21	9 29.63	+ 6 51.2	1.750	2.726	4.2	19.8
3 2	9 21.47	+ 7 43.8	1.812	2.754	7.9	20.0
3 12	9 15.27	+ 8 32.0	1.900	2.782	11.4	20.3
3 22	9 11.45	+ 9 11.9	2.010	2.809	14.4	20.6

77765 2001 PG_{51} 2 11.8 148°.55 3°.7/15.3 18

1 12	9 58.92	+ 0 5.7	2.539	3.334	11.4	19.7
1 22	9 53.45	+ 0 5.4	2.461	3.340	8.9	19.6
2 1	9 46.55	+ 0 19.4	2.408	3.346	6.1	19.4
2 11	9 38.83	+ 0 46.5	2.384	3.351	4.0	19.3
2 21	9 30.99	+ 1 23.7	2.389	3.356	4.2	19.3
3 2	9 23.80	+ 2 7.1	2.424	3.361	6.5	19.4
3 12	9 17.89	+ 2 52.4	2.486	3.365	9.2	19.6
3 22	9 13.71	+ 3 35.6	2.573	3.369	11.7	19.8

88160 2000 XV_{17} 2 11.8 191°.77 0°.3/12.0 18

1 12	10 3.14	+12 6.0	2.511	3.344	10.3	19.8
1 22	9 56.45	+12 15.7	2.429	3.342	7.4	19.6
2 1	9 48.17	+12 31.7	2.375	3.340	4.0	19.4
2 11	9 38.95	+12 51.1	2.351	3.337	0.5	19.1
2 21	9 29.58	+13 10.6	2.358	3.333	3.3	19.3
3 2	9 20.91	+13 27.1	2.396	3.329	6.8	19.5
3 12	9 13.68	+13 38.2	2.461	3.324	9.9	19.7
3 22	9 8.37	+13 42.6	2.550	3.319	12.5	19.9

366910 2005 UT_{106} 2 11.8 166°.20 1°.0/12.7 17

1 12	10 0.92	+ 8 26.0	2.449	3.276	10.8	22.4
1 22	9 54.90	+ 8 57.8	2.373	3.282	7.8	22.2
2 1	9 47.34	+ 9 39.8	2.325	3.287	4.4	22.0
2 11	9 38.89	+10 28.3	2.306	3.291	1.2	21.8
2 21	9 30.31	+11 19.2	2.318	3.295	3.2	21.9
3 2	9 22.43	+12 7.9	2.361	3.298	6.6	22.2
3 12	9 15.95	+12 50.7	2.431	3.300	9.8	22.4
3 22	9 11.34	+13 25.2	2.525	3.302	12.4	22.5

325100 2008 DP_{85} 2 11.8 235°.04 2°.2/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 59.79	+ 4 22.8	2.144	2.965	12.3	21.8
1 22	9 54.43	+ 5 3.1	2.051	2.953	9.2	21.5
2 1	9 47.24	+ 5 59.9	1.984	2.940	5.7	21.3
2 11	9 38.89	+ 7 9.7	1.945	2.927	2.4	21.0
2 21	9 30.22	+ 8 27.1	1.937	2.913	3.8	21.1
3 2	9 22.20	+ 9 45.8	1.958	2.899	7.5	21.3
3 12	9 15.68	+10 59.5	2.006	2.884	11.1	21.5
3 22	9 11.25	+12 3.8	2.078	2.869	14.2	21.7

460541 2014 TA_{44} 2 11.8 325°.43 7°.9/17.9 18

1 12	9 58.47	− 7 45.6	1.653	2.435	17.1	20.5
1 22	9 53.85	− 8 0.0	1.572	2.430	14.2	20.3
2 1	9 47.05	− 7 45.8	1.512	2.425	11.1	20.1
2 11	9 38.88	− 7 2.4	1.475	2.420	8.6	20.0
2 21	9 30.38	− 5 52.8	1.463	2.416	8.1	19.9
3 2	9 22.76	− 4 23.9	1.478	2.412	10.1	20.0
3 12	9 17.04	− 2 45.7	1.517	2.408	13.2	20.2
3 22	9 13.88	− 1 7.6	1.577	2.404	16.4	20.4

17431 Sainte–Colombe 2 11.8 203°.62 0°.1/11.7 18

1 12	10 5.55	+13 7.4	1.787	2.634	13.2	18.1
1 22	9 58.70	+13 23.1	1.711	2.631	9.4	17.9
2 1	9 49.56	+13 47.4	1.659	2.627	5.1	17.6
2 11	9 39.05	+14 15.4	1.636	2.623	0.3	17.2
2 21	9 28.32	+14 42.0	1.642	2.618	4.4	17.6
3 2	9 18.59	+15 2.8	1.677	2.613	8.9	17.8
3 12	9 10.92	+15 14.7	1.737	2.607	13.0	18.0
3 22	9 5.91	+15 16.5	1.818	2.600	16.3	18.3

500523 2012 TB_{308} 2 11.8 146°.36 4°.7/16.4 17

1 12	9 58.89	− 3 48.9	2.749	3.520	11.3	21.6
1 22	9 53.35	− 4 4.1	2.670	3.527	9.1	21.5
2 1	9 46.47	− 4 4.2	2.615	3.533	6.8	21.3
2 11	9 38.83	− 3 49.6	2.589	3.540	5.0	21.2
2 21	9 31.08	− 3 22.4	2.592	3.546	4.9	21.2
3 2	9 23.91	− 2 45.8	2.624	3.551	6.6	21.3
3 12	9 17.94	− 2 4.0	2.684	3.557	8.8	21.5
3 22	9 13.58	− 1 21.0	2.768	3.562	11.0	21.7

166967 2003 OH_2 2 11.8 161°.21 2°.3/ 9.9 18

1 12	10 3.59	+17 27.4	1.848	2.704	12.4	20.3
1 22	9 57.24	+18 33.6	1.783	2.710	8.7	20.1
2 1	9 48.75	+19 45.7	1.745	2.715	4.7	19.9
2 11	9 39.01	+20 56.0	1.736	2.719	2.4	19.7
2 21	9 29.11	+21 57.4	1.757	2.723	5.5	19.9
3 2	9 20.23	+22 44.4	1.805	2.726	9.5	20.2
3 12	9 13.32	+23 14.4	1.879	2.728	13.1	20.4
3 22	9 8.97	+23 27.7	1.973	2.731	16.0	20.6

489480 2007 EF_{151} 2 11.8 336°.89 0°.5/11.5 17

1 12	10 0.32	+11 49.3	1.157	2.030	17.0	21.6
1 22	9 55.86	+12 39.4	1.090	2.023	12.1	21.2
2 1	9 48.39	+13 47.4	1.045	2.016	6.5	20.9
2 11	9 38.99	+15 4.9	1.024	2.010	0.6	20.5
2 21	9 29.22	+16 21.0	1.028	2.005	6.0	20.8
3 2	9 20.78	+17 25.7	1.056	2.000	11.9	21.1
3 12	9 15.09	+18 12.2	1.105	1.997	17.0	21.4
3 22	9 12.89	+18 38.0	1.173	1.993	21.3	21.7

80991 2000 ES_{24} 2 11.8 88°.26 2°.0/10.4 18

1 12	10 4.88	+17 53.3	1.694	2.553	13.2	19.7
1 22	9 58.12	+18 27.5	1.641	2.568	9.2	19.5
2 1	9 49.17	+19 5.5	1.614	2.583	4.9	19.3
2 11	9 39.04	+19 41.0	1.614	2.598	2.0	19.2
2 21	9 28.95	+20 8.3	1.643	2.613	5.3	19.4
3 2	9 20.12	+20 23.4	1.700	2.628	9.5	19.7
3 12	9 13.48	+20 25.1	1.781	2.642	13.1	19.9
3 22	9 9.52	+20 14.0	1.883	2.656	16.2	20.2

382508 2001 SX_7 2 11.8 67°.94 1°.0/10.9 18

1 12	10 0.17	+15 42.5	2.169	3.021	11.0	21.3
1 22	9 54.50	+16 10.8	2.106	3.030	7.7	21.1
2 1	9 47.16	+16 44.1	2.070	3.040	4.0	20.9
2 11	9 38.90	+17 17.9	2.063	3.049	1.0	20.6
2 21	9 30.59	+17 47.7	2.086	3.058	4.0	20.9
3 2	9 23.14	+18 10.0	2.137	3.068	7.6	21.1
3 12	9 17.29	+18 22.6	2.215	3.077	10.8	21.3
3 22	9 13.52	+18 24.8	2.314	3.087	13.5	21.6

488942 2005 UX_{146} 2 11.8 69°.58 4°.4/ 9.4 18

1 12	10 8.18	+21 47.9	1.251	2.124	16.0	21.0
1 22	10 0.93	+22 41.0	1.212	2.144	11.3	20.8
2 1	9 50.77	+23 34.0	1.197	2.165	6.5	20.6
2 11	9 39.15	+24 16.8	1.207	2.185	4.5	20.5
2 21	9 27.76	+24 41.7	1.243	2.206	7.8	20.7
3 2	9 18.22	+24 45.5	1.304	2.226	12.3	21.0
3 12	9 11.67	+24 29.3	1.388	2.247	16.3	21.3
3 22	9 8.55	+23 56.3	1.489	2.267	19.5	21.6

325453 2009 QZ_{20} 2 11.8 143°.45 0°.9/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 0.07	+ 7 50.1	2.103	2.936	12.1	20.9
1 22	9 54.52	+ 8 46.0	2.033	2.945	8.7	20.7
2 1	9 47.22	+ 9 55.3	1.989	2.953	4.9	20.5
2 11	9 38.92	+11 12.7	1.974	2.960	1.1	20.2
2 21	9 30.48	+12 32.0	1.990	2.967	3.6	20.4
3 2	9 22.84	+13 46.9	2.036	2.974	7.4	20.6
3 12	9 16.80	+14 52.3	2.108	2.980	10.9	20.9
3 22	9 12.84	+15 45.2	2.203	2.986	13.8	21.1

341203 2007 RC_{91} 2 11.8 109°.22 2°.6/ 9.6 18

1 12	10 1.92	+21 5.4	2.253	3.110	10.5	20.9
1 22	9 55.72	+21 39.6	2.192	3.117	7.4	20.7
2 1	9 47.81	+22 14.4	2.157	3.124	4.2	20.5
2 11	9 38.96	+22 44.6	2.152	3.132	2.6	20.4
2 21	9 30.07	+23 6.0	2.177	3.139	5.0	20.6
3 2	9 22.08	+23 15.8	2.230	3.146	8.2	20.8
3 12	9 15.73	+23 13.1	2.309	3.153	11.2	21.0
3 22	9 11.50	+22 58.7	2.409	3.159	13.7	21.2

23498 1991 VH_6 2 11.8 130°.64 2°.1/13.5 18

1 12	10 1.59	+ 5 13.2	1.897	2.724	13.4	18.7
1 22	9 55.68	+ 5 50.9	1.831	2.736	9.9	18.5
2 1	9 47.87	+ 6 44.8	1.789	2.747	5.9	18.3
2 11	9 38.97	+ 7 50.3	1.775	2.758	2.4	18.1
2 21	9 29.97	+ 9 1.3	1.791	2.768	3.9	18.2
3 2	9 21.89	+10 11.2	1.836	2.778	7.8	18.5
3 12	9 15.60	+11 14.2	1.907	2.787	11.5	18.7
3 22	9 11.61	+12 6.6	2.001	2.796	14.6	19.0

203473 2002 AN_{21} 2 11.8 122°.76 1°.2/10.9 18

1 12	10 4.74	+14 23.5	1.707	2.560	13.5	20.9
1 22	9 58.05	+15 17.0	1.651	2.575	9.4	20.7
2 1	9 49.17	+16 18.9	1.621	2.590	4.9	20.4
2 11	9 39.07	+17 22.0	1.618	2.604	1.2	20.2
2 21	9 28.94	+18 19.1	1.645	2.618	4.9	20.5
3 2	9 19.98	+19 4.6	1.700	2.630	9.3	20.8
3 12	9 13.16	+19 35.6	1.780	2.643	13.1	21.0
3 22	9 9.00	+19 51.5	1.881	2.654	16.2	21.3

317591 2002 XX_{23} 2 11.8 91°.27 3°.7/14.2 18

1 12	10 5.08	+ 3 35.7	1.793	2.611	14.5	21.0
1 22	9 58.10	+ 3 18.7	1.736	2.632	10.9	20.8
2 1	9 49.12	+ 3 17.7	1.703	2.653	7.1	20.6
2 11	9 39.07	+ 3 30.6	1.697	2.673	4.0	20.4
2 21	9 29.05	+ 3 53.7	1.721	2.693	4.8	20.5
3 2	9 20.16	+ 4 22.4	1.772	2.712	8.2	20.8
3 12	9 13.26	+ 4 51.8	1.850	2.731	11.7	21.0
3 22	9 8.85	+ 5 17.6	1.950	2.750	14.7	21.3

36672 Sidi 2 11.8 149°.56 1°.0/12.6 18

1 12	10 1.32	+ 9 15.1	2.073	2.909	12.1	19.8
1 22	9 55.41	+ 9 39.5	2.001	2.915	8.7	19.6
2 1	9 47.71	+10 14.9	1.956	2.920	4.9	19.4
2 11	9 38.97	+10 57.3	1.939	2.925	1.2	19.1
2 21	9 30.11	+11 41.9	1.952	2.929	3.6	19.3
3 2	9 22.09	+12 23.8	1.994	2.933	7.5	19.6
3 12	9 15.73	+12 59.2	2.063	2.937	11.0	19.8
3 22	9 11.52	+13 25.7	2.154	2.941	14.0	20.0

55262 2001 RE_{126} 2 11.8 29°.07 1°.1/11.1 18

1 12	10 1.01	+12 34.5	1.232	2.103	16.3	18.9
1 22	9 56.10	+13 40.1	1.175	2.107	11.5	18.7
2 1	9 48.40	+15 1.3	1.140	2.111	6.0	18.4
2 11	9 39.03	+16 28.4	1.130	2.116	1.1	18.1
2 21	9 29.47	+17 50.5	1.146	2.121	5.9	18.4
3 2	9 21.30	+18 58.1	1.187	2.127	11.4	18.7
3 12	9 15.75	+19 45.8	1.251	2.133	16.1	19.0
3 22	9 13.46	+20 12.3	1.332	2.140	19.9	19.3

6069 Cevolani 2 11.8 342°.50 2°.6/13.4 18

1 12	10 1.47	+ 6 1.6	1.315	2.165	16.9	17.2
1 22	9 56.35	+ 6 23.0	1.245	2.162	12.5	16.9
2 1	9 48.54	+ 7 5.6	1.198	2.160	7.5	16.6
2 11	9 39.05	+ 8 4.7	1.175	2.159	2.9	16.3
2 21	9 29.25	+ 9 12.6	1.179	2.157	5.1	16.5
3 2	9 20.66	+10 20.5	1.208	2.156	10.3	16.7
3 12	9 14.53	+11 20.3	1.260	2.155	15.1	17.0
3 22	9 11.54	+12 6.9	1.332	2.155	19.1	17.3

451025 2008 WK_{20} 2 11.8 60°.06 5°.2/15.0 18

1 12	10 3.56	+ 0 57.8	1.283	2.114	18.4	21.5
1 22	9 57.57	+ 0 49.4	1.233	2.134	14.1	21.3
2 1	9 49.02	+ 1 6.2	1.205	2.154	9.4	21.1
2 11	9 39.08	+ 1 45.4	1.201	2.174	5.7	20.9
2 21	9 29.18	+ 2 40.7	1.222	2.195	6.2	21.0
3 2	9 20.74	+ 3 43.5	1.269	2.216	10.1	21.3
3 12	9 14.85	+ 4 45.2	1.340	2.237	14.2	21.6
3 22	9 12.02	+ 5 39.1	1.431	2.258	17.8	21.9

130721 2000 SB_{213} 2 11.8 240°.65 2°.1/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 3.00	+16 6.6	1.726	2.584	13.0	20.0
1 22	9 57.14	+17 13.8	1.645	2.572	9.2	19.7
2 1	9 48.89	+18 30.4	1.590	2.560	4.9	19.5
2 11	9 39.09	+19 48.6	1.563	2.547	2.1	19.2
2 21	9 28.90	+21 0.0	1.565	2.534	5.7	19.4
3 2	9 19.61	+21 57.7	1.595	2.520	10.2	19.7
3 12	9 12.36	+22 37.6	1.649	2.506	14.2	19.9
3 22	9 7.86	+22 59.1	1.723	2.491	17.6	20.1

103207 1999 XA_{253} 2 11.8 231°.33 3°.2/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.93	+19 37.1	1.719	2.582	12.8	20.0
1 22	9 57.02	+20 40.9	1.649	2.578	9.0	19.7
2 1	9 48.77	+21 49.5	1.604	2.573	5.1	19.5
2 11	9 39.08	+22 54.5	1.588	2.567	3.3	19.4
2 21	9 29.13	+23 48.4	1.599	2.562	6.4	19.6
3 2	9 20.22	+24 25.6	1.638	2.557	10.5	19.8
3 12	9 13.41	+24 44.1	1.701	2.551	14.2	20.0
3 22	9 9.35	+24 44.4	1.783	2.545	17.4	20.2

162042 1996 OR 2 11.8 83°.34 3°.8/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.69	+ 0 4.3	2.356	3.151	12.2	21.0
1 22	9 54.65	+ 0 5.3	2.301	3.180	9.4	20.8
2 1	9 47.17	+ 0 21.5	2.270	3.208	6.4	20.7
2 11	9 38.95	+ 0 51.0	2.269	3.236	4.1	20.6
2 21	9 30.77	+ 1 30.3	2.296	3.264	4.3	20.7
3 2	9 23.41	+ 2 15.3	2.354	3.291	6.7	20.8
3 12	9 17.51	+ 3 1.1	2.439	3.317	9.4	21.1
3 22	9 13.46	+ 3 43.9	2.547	3.344	11.8	21.3

431534 2007 TJ_{343} 2 11.8 326°.81 13°.0/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.19	+54 10.4	2.081	2.867	13.9	20.1
1 22	10 4.18	+55 44.9	2.047	2.861	13.2	20.0
2 1	9 52.75	+56 54.0	2.036	2.854	13.1	20.0
2 11	9 39.36	+57 28.4	2.046	2.848	13.7	20.0
2 21	9 25.94	+57 24.1	2.078	2.842	14.8	20.1
3 2	9 14.45	+56 42.3	2.128	2.836	16.2	20.2
3 12	9 6.31	+55 28.9	2.194	2.830	17.6	20.3
3 22	9 2.04	+53 51.6	2.274	2.825	18.8	20.4

401344 2013 AY_{101} 2 11.8 328°.14 6°.1/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.31	+24 4.2	1.297	2.176	15.1	20.6
1 22	9 57.91	+25 31.6	1.237	2.171	10.9	20.3
2 1	9 49.47	+27 0.3	1.201	2.166	7.1	20.1
2 11	9 39.14	+28 17.6	1.190	2.161	6.3	20.0
2 21	9 28.51	+29 13.0	1.205	2.157	9.5	20.2
3 2	9 19.33	+29 40.3	1.243	2.153	13.8	20.4
3 12	9 12.96	+29 39.4	1.302	2.149	17.9	20.7
3 22	9 10.08	+29 13.9	1.378	2.146	21.3	20.9

346782 2009 BC_{123} 2 11.8 331°.44 1°.1/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.00	+ 9 38.9	2.096	2.937	11.8	20.8
1 22	9 53.83	+ 9 52.0	2.017	2.933	8.5	20.5
2 1	9 46.92	+10 15.2	1.964	2.928	4.8	20.3
2 11	9 38.95	+10 45.4	1.939	2.924	1.3	20.0
2 21	9 30.81	+11 18.4	1.943	2.920	3.6	20.2
3 2	9 23.42	+11 49.9	1.975	2.916	7.4	20.4
3 12	9 17.60	+12 16.2	2.034	2.913	10.9	20.6
3 22	9 13.86	+12 34.8	2.115	2.910	13.9	20.8

62240 2000 SM_{75} 2 11.8 177°.82 1°.2/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.99	+14 51.9	1.964	2.813	12.1	20.2
1 22	9 57.46	+15 44.2	1.893	2.815	8.5	20.0
2 1	9 48.89	+16 44.1	1.848	2.817	4.5	19.8
2 11	9 39.10	+17 45.4	1.832	2.818	1.2	19.5
2 21	9 29.13	+18 41.7	1.847	2.818	4.7	19.8
3 2	9 20.07	+19 27.8	1.890	2.818	8.7	20.0
3 12	9 12.87	+20 0.5	1.960	2.816	12.3	20.2
3 22	9 8.09	+20 19.0	2.051	2.814	15.3	20.5

15846 Billfyfe 2 11.8 161°.27 3°.1/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.87	+20 37.2	1.906	2.764	12.0	18.7
1 22	9 58.12	+21 30.1	1.843	2.769	8.5	18.5
2 1	9 49.23	+22 25.0	1.807	2.774	4.8	18.3
2 11	9 39.12	+23 14.8	1.799	2.778	3.2	18.2
2 21	9 28.91	+23 53.3	1.820	2.781	5.9	18.4
3 2	9 19.74	+24 16.7	1.870	2.785	9.6	18.6
3 12	9 12.59	+24 23.7	1.944	2.787	13.0	18.8
3 22	9 7.99	+24 15.5	2.039	2.789	15.8	19.0

148771 2001 UN 2 11.8 62°.92 2°.5/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.77	+ 7 56.8	1.616	2.454	14.9	19.7
1 22	9 58.74	+ 7 34.2	1.562	2.473	10.9	19.5
2 1	9 49.51	+ 7 24.3	1.532	2.492	6.5	19.3
2 11	9 39.14	+ 7 24.7	1.529	2.512	2.7	19.1
2 21	9 28.84	+ 7 31.8	1.555	2.531	4.5	19.3
3 2	9 19.82	+ 7 41.5	1.608	2.551	8.7	19.6
3 12	9 13.02	+ 7 50.1	1.687	2.570	12.5	19.8
3 22	9 8.92	+ 7 54.6	1.787	2.590	15.8	20.1

354906 2006 CL_{40} 2 11.8 76°.53 3°.7/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 9.04	+21 14.6	1.376	2.243	15.2	20.6
1 22	10 1.32	+21 56.1	1.337	2.266	10.7	20.4
2 1	9 50.94	+22 37.8	1.321	2.289	6.0	20.2
2 11	9 39.24	+23 10.9	1.332	2.312	3.8	20.1
2 21	9 27.80	+23 28.9	1.371	2.335	7.0	20.3
3 2	9 18.10	+23 29.1	1.436	2.358	11.3	20.6
3 12	9 11.21	+23 12.2	1.523	2.380	15.2	20.9
3 22	9 7.55	+22 40.8	1.630	2.402	18.3	21.2

276522 2003 RL_{17} 2 11.8 243°.61 2°.9/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.99	+ 3 39.1	2.431	3.240	11.4	20.7
1 22	9 55.13	+ 3 37.4	2.332	3.224	8.7	20.5
2 1	9 47.61	+ 3 48.3	2.259	3.208	5.7	20.3
2 11	9 39.02	+ 4 10.4	2.215	3.191	3.1	20.1
2 21	9 30.15	+ 4 40.8	2.201	3.174	3.9	20.1
3 2	9 21.84	+ 5 15.8	2.217	3.156	6.9	20.2
3 12	9 14.87	+ 5 51.3	2.261	3.137	10.1	20.4
3 22	9 9.79	+ 6 23.8	2.328	3.118	12.9	20.6

399335 1999 XA_{241} 2 11.8 111°.39 6°.3/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.10	− 5 13.7	1.963	2.737	15.1	21.3
1 22	9 57.35	− 5 33.6	1.901	2.758	12.1	21.1
2 1	9 48.73	− 5 31.5	1.863	2.779	9.1	21.0
2 11	9 39.10	− 5 8.0	1.850	2.800	6.8	20.9
2 21	9 29.44	− 4 26.2	1.866	2.820	6.5	20.9
3 2	9 20.76	− 3 31.5	1.910	2.839	8.5	21.1
3 12	9 13.89	− 2 30.8	1.981	2.857	11.3	21.3
3 22	9 9.32	− 1 30.2	2.074	2.875	14.0	21.5

219334 2000 OT_{8} 2 11.8 175°.67 1°.0/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.51	+ 9 58.5	2.553	3.379	10.4	20.6
1 22	9 56.70	+10 4.4	2.474	3.382	7.5	20.5
2 1	9 48.34	+10 17.8	2.422	3.384	4.2	20.2
2 11	9 39.08	+10 36.2	2.401	3.386	1.1	20.0
2 21	9 29.70	+10 56.4	2.411	3.387	3.2	20.2
3 2	9 21.03	+11 15.3	2.452	3.387	6.5	20.4
3 12	9 13.77	+11 30.4	2.521	3.387	9.6	20.6
3 22	9 8.39	+11 39.9	2.614	3.386	12.2	20.8

136823 1997 QR 2 11.8 78°.72 1°.7/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.60	+ 7 46.5	1.751	2.586	14.0	20.2
1 22	9 57.73	+ 8 1.0	1.705	2.615	10.1	20.0
2 1	9 48.91	+ 8 28.6	1.683	2.644	5.8	19.8
2 11	9 39.11	+ 9 4.9	1.689	2.673	2.0	19.6
2 21	9 29.45	+ 9 44.6	1.724	2.701	4.0	19.8
3 2	9 20.99	+10 22.6	1.788	2.729	8.1	20.1
3 12	9 14.57	+10 54.7	1.877	2.756	11.7	20.4
3 22	9 10.62	+11 18.3	1.988	2.783	14.7	20.6

427515 2002 FE_{14} 2 11.8 88°.01 7°.3/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.19	−10 13.8	1.058	1.857	23.6	20.1
1 22	9 57.15	− 8 36.6	0.999	1.873	19.0	19.8
2 1	9 49.05	− 6 5.3	0.958	1.890	13.7	19.6
2 11	9 39.14	− 2 46.3	0.940	1.906	8.8	19.4
2 21	9 29.07	+ 1 2.6	0.949	1.922	7.6	19.4
3 2	9 20.61	+ 4 56.9	0.985	1.937	11.5	19.6
3 12	9 15.08	+ 8 32.9	1.046	1.952	16.4	19.9
3 22	9 13.12	+11 36.1	1.129	1.967	20.8	20.3

431362 2007 DQ_{83} 2 11.8 65°.80 1°.2/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.49	+ 0 7.8	0.959	1.811	21.5	20.2
1 22	9 56.26	+ 3 2.8	0.902	1.821	15.8	19.9
2 1	9 48.72	+ 6 46.7	0.866	1.832	9.0	19.6
2 11	9 39.12	+11 1.1	0.856	1.842	1.9	19.2
2 21	9 29.20	+15 18.0	0.874	1.853	6.3	19.5
3 2	9 20.88	+19 9.3	0.919	1.864	13.1	19.9
3 12	9 15.69	+22 16.9	0.987	1.876	18.8	20.3
3 22	9 14.32	+24 36.1	1.073	1.887	23.3	20.6

64633 2001 XC_{48} 2 11.8 283°.95 7°.1/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.08	+30 45.9	1.855	2.719	12.0	18.9
1 22	9 57.29	+32 16.8	1.784	2.702	9.3	18.7
2 1	9 49.01	+33 42.8	1.740	2.685	7.3	18.6
2 11	9 39.14	+34 53.8	1.722	2.669	7.5	18.6
2 21	9 28.90	+35 42.2	1.732	2.652	9.7	18.6
3 2	9 19.64	+36 3.6	1.767	2.635	12.7	18.8
3 12	9 12.56	+35 58.6	1.823	2.618	15.7	19.0
3 22	9 8.34	+35 30.4	1.897	2.602	18.2	19.1

212445 2006 PQ_{34} 2 11.8 174°.13 1°.5/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.64	+16 21.8	2.155	3.003	11.2	21.1
1 22	9 57.08	+17 10.2	2.084	3.006	7.9	20.8
2 1	9 48.64	+18 4.1	2.041	3.009	4.2	20.6
2 11	9 39.12	+18 57.6	2.027	3.011	1.5	20.4
2 21	9 29.45	+19 45.3	2.044	3.013	4.5	20.6
3 2	9 20.63	+20 22.7	2.090	3.013	8.2	20.9
3 12	9 13.52	+20 47.5	2.162	3.013	11.5	21.1
3 22	9 8.64	+20 59.2	2.256	3.012	14.3	21.3

176054 2000 TE_{37} 2 11.8 174°.15 4°.8/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 5.08	+28 20.8	2.347	3.199	10.3	20.0
1 22	9 58.05	+29 16.9	2.286	3.202	7.6	19.9
2 1	9 49.13	+30 8.3	2.252	3.205	5.4	19.7
2 11	9 39.16	+30 48.5	2.248	3.206	5.0	19.7
2 21	9 29.10	+31 13.0	2.273	3.208	6.9	19.8
3 2	9 19.97	+31 19.4	2.327	3.208	9.5	20.0
3 12	9 12.62	+31 8.2	2.405	3.208	12.1	20.2
3 22	9 7.55	+30 41.7	2.503	3.208	14.3	20.3

66840 1999 UU_{52} 2 11.8 159°.88 0°.6/11.2 18

1 12	9 59.93	+13 19.5	2.564	3.405	9.9	20.3
1 22	9 54.22	+14 11.2	2.493	3.412	6.9	20.2
2 1	9 47.04	+15 9.9	2.450	3.418	3.6	20.0
2 11	9 39.00	+16 10.7	2.437	3.424	0.6	19.7
2 21	9 30.86	+17 8.9	2.456	3.429	3.5	20.0
3 2	9 23.37	+18 0.3	2.505	3.433	6.8	20.2
3 12	9 17.22	+18 41.9	2.581	3.437	9.7	20.4
3 22	9 12.87	+19 12.3	2.681	3.441	12.2	20.6

417646 2006 XS_{66} 2 11.8 56°.05 8°.1/18.2 18

1 12	10 1.64	− 7 49.6	1.514	2.297	18.4	20.7
1 22	9 55.93	− 8 7.6	1.467	2.325	15.0	20.5
2 1	9 48.07	− 7 55.4	1.439	2.353	11.5	20.4
2 11	9 39.08	− 7 13.6	1.435	2.381	8.8	20.3
2 21	9 30.15	− 6 7.3	1.457	2.409	8.2	20.3
3 2	9 22.47	− 4 44.8	1.504	2.437	10.0	20.5
3 12	9 16.95	− 3 16.1	1.576	2.466	12.9	20.7
3 22	9 14.08	− 1 50.0	1.670	2.494	15.8	21.0

125278 2001 VS_{13} 2 11.8 136°.71 1°.4/12.7 18

1 12	10 5.93	+ 8 52.9	1.726	2.563	14.1	20.5
1 22	9 58.90	+ 9 5.7	1.662	2.575	10.2	20.3
2 1	9 49.67	+ 9 31.0	1.623	2.586	5.8	20.1
2 11	9 39.21	+10 4.7	1.611	2.596	1.7	19.8
2 21	9 28.66	+10 41.6	1.629	2.606	4.2	20.0
3 2	9 19.25	+11 16.4	1.675	2.615	8.6	20.3
3 12	9 11.95	+11 44.8	1.747	2.624	12.5	20.6
3 22	9 7.29	+12 4.4	1.841	2.632	15.8	20.8

335987 2007 TV_{266} 2 11.8 108°.94 0°.2/11.6 18

1 12	10 0.10	+12 45.1	2.557	3.397	10.0	22.1
1 22	9 54.24	+13 17.3	2.498	3.416	7.0	22.0
2 1	9 47.00	+13 55.6	2.467	3.434	3.7	21.8
2 11	9 39.01	+14 36.3	2.466	3.452	0.3	21.5
2 21	9 31.01	+15 15.3	2.495	3.470	3.2	21.8
3 2	9 23.75	+15 49.2	2.555	3.487	6.4	22.0
3 12	9 17.86	+16 15.5	2.642	3.504	9.3	22.3
3 22	9 13.73	+16 33.0	2.752	3.520	11.7	22.4

308955 2006 TS_{36} 2 11.8 258°.01 1°.3/12.7 18

1 12	10 1.87	+ 8 52.8	1.760	2.602	13.6	20.3
1 22	9 56.20	+ 9 10.4	1.679	2.594	9.9	20.0
2 1	9 48.34	+ 9 41.3	1.623	2.587	5.7	19.8
2 11	9 39.12	+10 21.6	1.593	2.579	1.6	19.5
2 21	9 29.61	+11 6.0	1.593	2.570	4.2	19.6
3 2	9 20.98	+11 48.6	1.620	2.562	8.7	19.9
3 12	9 14.27	+12 24.7	1.673	2.554	12.8	20.1
3 22	9 10.10	+12 51.1	1.746	2.545	16.2	20.3

39181 2000 WP_{161} 2 11.8 125°.81 1°.1/10.7 18

1 12	10 0.76	+14 22.5	2.209	3.057	11.0	19.3
1 22	9 54.96	+15 24.6	2.148	3.070	7.7	19.1
2 1	9 47.48	+16 33.7	2.114	3.083	4.0	18.9
2 11	9 39.05	+17 43.9	2.111	3.096	1.1	18.7
2 21	9 30.55	+18 49.2	2.137	3.108	4.2	19.0
3 2	9 22.88	+19 44.7	2.194	3.120	7.7	19.2
3 12	9 16.79	+20 27.5	2.276	3.131	10.9	19.4
3 22	9 12.74	+20 56.4	2.381	3.142	13.5	19.7

218323 2003 YM_{117} 2 11.8 100°.62 2°.9/ 9.9 18

1 12	10 8.55	+17 33.0	1.462	2.322	14.9	20.5
1 22	10 0.91	+18 50.1	1.422	2.349	10.3	20.3
2 1	9 50.74	+20 12.1	1.407	2.376	5.5	20.1
2 11	9 39.29	+21 28.9	1.420	2.403	2.9	20.0
2 21	9 28.00	+22 31.9	1.462	2.428	6.5	20.2
3 2	9 18.28	+23 15.6	1.531	2.453	10.8	20.6
3 12	9 11.19	+23 38.8	1.624	2.476	14.6	20.8
3 22	9 7.17	+23 43.2	1.736	2.499	17.7	21.1

241040 2006 QA_{183} 2 11.8 158°.25 0°.0/11.8 17

1 12	9 59.16	+12 21.4	2.468	3.310	10.2	21.5
1 22	9 53.73	+12 47.8	2.394	3.312	7.2	21.3
2 1	9 46.80	+13 21.3	2.347	3.314	3.9	21.1
2 11	9 39.01	+13 58.2	2.330	3.316	0.3	20.8
2 21	9 31.11	+14 34.5	2.343	3.318	3.3	21.1
3 2	9 23.89	+15 6.6	2.385	3.320	6.7	21.3
3 12	9 18.03	+15 31.7	2.455	3.322	9.8	21.5
3 22	9 13.98	+15 48.1	2.547	3.323	12.3	21.7

52437 1994 PY_{27} 2 11.8 266°.74 0°.9/11.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 2.34	+12 49.8	1.450	2.311	14.9	19.5
1 22	9 56.97	+13 47.0	1.374	2.302	10.6	19.2
2 1	9 48.94	+14 58.5	1.322	2.292	5.6	18.9
2 11	9 39.19	+16 16.6	1.296	2.282	0.9	18.5
2 21	9 29.03	+17 31.9	1.298	2.273	5.5	18.8
3 2	9 19.94	+18 36.0	1.326	2.263	10.7	19.1
3 12	9 13.18	+19 23.3	1.377	2.253	15.3	19.3
3 22	9 9.50	+19 51.9	1.448	2.242	19.2	19.5

223793 2004 TV_{7} 2 11.8 77°.67 2°.5/13.8 18

1 12	9 59.41	+ 4 42.6	1.893	2.722	13.4	20.6
1 22	9 54.24	+ 5 7.3	1.822	2.727	10.0	20.4
2 1	9 47.19	+ 5 48.3	1.775	2.732	6.1	20.2
2 11	9 39.05	+ 6 42.1	1.755	2.736	2.8	20.0
2 21	9 30.76	+ 7 43.1	1.765	2.741	4.0	20.1
3 2	9 23.32	+ 8 45.2	1.802	2.746	7.8	20.3
3 12	9 17.60	+ 9 42.7	1.866	2.751	11.4	20.6
3 22	9 14.12	+10 31.4	1.951	2.756	14.6	20.8

7824 Lynch 2 11.8 132°.90 2°.1/13.5 18

1 12	10 3.69	+ 4 49.6	1.755	2.581	14.4	17.8
1 22	9 57.30	+ 5 34.3	1.692	2.596	10.6	17.6
2 1	9 48.83	+ 6 36.9	1.652	2.610	6.3	17.4
2 11	9 39.17	+ 7 52.2	1.641	2.624	2.5	17.1
2 21	9 29.42	+ 9 13.0	1.660	2.637	4.2	17.3
3 2	9 20.71	+10 31.8	1.707	2.649	8.3	17.6
3 12	9 13.98	+11 42.1	1.781	2.660	12.2	17.8
3 22	9 9.77	+12 39.9	1.876	2.670	15.5	18.0

113958 2002 UH_{6} 2 11.8 46°.67 4°.7/ 7.5 18

1 12	10 0.42	+25 17.9	1.999	2.865	11.2	19.4
1 22	9 54.99	+26 32.4	1.944	2.870	8.1	19.2
2 1	9 47.59	+27 45.0	1.916	2.876	5.4	19.0
2 11	9 39.08	+28 48.1	1.916	2.882	4.9	19.0
2 21	9 30.48	+29 35.5	1.945	2.889	7.1	19.2
3 2	9 22.84	+30 3.6	2.000	2.895	10.2	19.4
3 12	9 17.05	+30 11.8	2.079	2.902	13.0	19.6
3 22	9 13.62	+30 2.0	2.178	2.908	15.5	19.8

453869 2011 UE_{115} 2 11.8 72°.89 1°.3/12.6 18

1 12	10 4.74	+ 8 57.4	1.414	2.263	15.9	21.1
1 22	9 58.27	+ 9 18.7	1.365	2.284	11.4	20.9
2 1	9 49.39	+ 9 55.0	1.340	2.305	6.4	20.6
2 11	9 39.22	+10 40.6	1.341	2.326	1.6	20.4
2 21	9 29.13	+11 28.5	1.369	2.347	4.6	20.6
3 2	9 20.46	+12 12.1	1.424	2.368	9.5	21.0
3 12	9 14.22	+12 46.6	1.504	2.389	13.7	21.3
3 22	9 10.90	+13 9.4	1.603	2.409	17.1	21.5

186180 2001 UZ_{203} 2 11.8 235°.57 3°.0/ 9.6 18

1 12	10 3.55	+20 32.5	1.901	2.761	12.0	20.2
1 22	9 57.31	+21 16.4	1.828	2.755	8.5	20.0
2 1	9 48.90	+22 2.6	1.781	2.749	4.8	19.8
2 11	9 39.20	+22 44.6	1.763	2.743	3.0	19.6
2 21	9 29.29	+23 16.3	1.773	2.736	5.8	19.8
3 2	9 20.34	+23 33.9	1.811	2.729	9.6	20.0
3 12	9 13.34	+23 35.9	1.874	2.723	13.1	20.2
3 22	9 8.88	+23 23.0	1.957	2.715	16.1	20.4

452499 2004 QP_{10} 2 11.8 193°.42 4°.6/ 8.4 18

1 12	10 6.21	+23 34.1	1.756	2.617	12.7	21.5
1 22	9 59.37	+24 45.2	1.691	2.616	9.1	21.2
2 1	9 50.07	+25 56.6	1.651	2.614	5.7	21.0
2 11	9 39.29	+26 59.2	1.640	2.611	4.8	21.0
2 21	9 28.29	+27 45.6	1.657	2.608	7.4	21.1
3 2	9 18.42	+28 11.1	1.701	2.604	11.1	21.3
3 12	9 10.79	+28 15.4	1.769	2.600	14.6	21.5
3 22	9 6.03	+28 0.7	1.856	2.595	17.5	21.7

171287 2006 GK_{3} 2 11.8 208°.44 4°.3/ 8.4 18

1 12	10 5.98	+24 5.6	1.961	2.819	11.8	21.2
1 22	9 59.05	+25 8.7	1.890	2.813	8.5	21.0
2 1	9 49.86	+26 11.4	1.845	2.806	5.4	20.8
2 11	9 39.27	+27 5.8	1.828	2.799	4.5	20.7
2 21	9 28.45	+27 45.5	1.841	2.791	6.9	20.9
3 2	9 18.61	+28 6.3	1.882	2.783	10.4	21.1
3 12	9 10.80	+28 7.8	1.948	2.773	13.7	21.2
3 22	9 5.62	+27 51.9	2.033	2.763	16.4	21.4

119231 2001 QQ_{238} 2 11.8 168°.50 4°.0/15.6 18

1 12	9 59.70	− 1 30.6	2.154	2.949	13.2	20.6
1 22	9 54.31	− 0 57.8	2.073	2.952	10.3	20.4
2 1	9 47.20	− 0 4.9	2.017	2.955	7.1	20.2
2 11	9 39.08	+ 1 5.5	1.989	2.958	4.4	20.0
2 21	9 30.77	+ 2 28.2	1.990	2.960	4.5	20.0
3 2	9 23.19	+ 3 56.9	2.021	2.961	7.3	20.2
3 12	9 17.12	+ 5 24.4	2.079	2.963	10.5	20.4
3 22	9 13.07	+ 6 45.2	2.162	2.963	13.4	20.6

264984 2003 BK_{92} 2 11.8 18°.30 1°.5/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 59.68	+14 29.4	1.424	2.293	14.6	19.8
1 22	9 54.93	+15 25.7	1.365	2.297	10.3	19.5
2 1	9 47.73	+16 32.9	1.330	2.302	5.4	19.3
2 11	9 39.12	+17 42.7	1.321	2.307	1.5	19.0
2 21	9 30.36	+18 46.4	1.339	2.313	5.6	19.3
3 2	9 22.81	+19 37.0	1.383	2.319	10.4	19.6
3 12	9 17.54	+20 10.4	1.450	2.327	14.6	19.9
3 22	9 15.14	+20 25.7	1.536	2.334	18.1	20.1

184037 2004 FD_{75} 2 11.8 60°.97 9°.1/22.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.84	−17 54.3	1.567	2.285	20.5	21.1
1 22	9 56.04	−16 43.8	1.513	2.320	17.3	20.9
2 1	9 48.12	−14 50.6	1.477	2.354	13.8	20.8
2 11	9 39.14	−12 17.9	1.466	2.389	10.7	20.7
2 21	9 30.29	− 9 15.2	1.482	2.423	9.2	20.7
3 2	9 22.74	− 5 57.5	1.528	2.458	10.1	20.8
3 12	9 17.37	− 2 41.1	1.602	2.492	12.7	21.1
3 22	9 14.60	+ 0 20.8	1.701	2.525	15.5	21.3

505018 2011 QR_{16} 2 11.8 232°.57 0°.4/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.87	+11 28.0	2.812	3.644	9.4	22.3
1 22	9 54.17	+11 43.9	2.719	3.632	6.7	22.1
2 1	9 47.05	+12 6.5	2.654	3.619	3.7	21.9
2 11	9 39.07	+12 32.8	2.620	3.606	0.6	21.6
2 21	9 30.91	+12 59.9	2.616	3.592	3.0	21.8
3 2	9 23.27	+13 24.7	2.644	3.578	6.1	22.0
3 12	9 16.81	+13 44.5	2.699	3.564	9.0	22.1
3 22	9 11.99	+13 57.8	2.778	3.549	11.5	22.3

226904 2004 TY_{173} 2 11.8 90°.32 7°.1/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.61	+34 10.7	2.014	2.865	11.8	19.6
1 22	10 0.00	+35 5.9	1.972	2.879	9.2	19.5
2 1	9 50.21	+35 49.8	1.956	2.893	7.4	19.4
2 11	9 39.30	+36 15.2	1.968	2.907	7.3	19.4
2 21	9 28.53	+36 17.7	2.007	2.920	9.0	19.5
3 2	9 19.10	+35 56.9	2.072	2.934	11.4	19.7
3 12	9 11.94	+35 15.6	2.160	2.947	13.8	19.9
3 22	9 7.49	+34 18.1	2.267	2.960	15.9	20.1

13639 1996 EG_{2} 2 11.8 227°.83 2°.8/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.37	+ 2 52.5	1.790	2.615	14.2	18.0
1 22	9 54.39	+ 3 36.7	1.710	2.612	10.7	17.7
2 1	9 47.38	+ 4 41.6	1.655	2.609	6.7	17.5
2 11	9 39.10	+ 6 3.0	1.626	2.606	3.2	17.3
2 21	9 30.57	+ 7 34.0	1.627	2.603	4.3	17.3
3 2	9 22.86	+ 9 6.5	1.655	2.600	8.3	17.5
3 12	9 16.94	+10 32.8	1.710	2.597	12.2	17.8
3 22	9 13.41	+11 47.3	1.788	2.594	15.6	18.0

269696 1997 GE_{10} 2 11.8 307°.53 2°.0/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.50	+ 6 30.8	1.772	2.612	13.7	20.5
1 22	9 53.90	+ 6 56.2	1.681	2.594	10.1	20.2
2 1	9 47.19	+ 7 38.3	1.615	2.576	6.1	20.0
2 11	9 39.09	+ 8 33.5	1.575	2.559	2.3	19.7
2 21	9 30.62	+ 9 36.1	1.564	2.542	4.2	19.8
3 2	9 22.89	+10 39.6	1.580	2.525	8.6	20.0
3 12	9 16.92	+11 37.4	1.621	2.508	12.7	20.2
3 22	9 13.41	+12 25.1	1.683	2.492	16.3	20.4

183105 2002 RH_{118} 2 11.8 89°.80 1°.7/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.09	+ 6 12.4	1.929	2.754	13.3	20.8
1 22	9 57.27	+ 6 49.6	1.882	2.787	9.7	20.6
2 1	9 48.67	+ 7 40.4	1.861	2.820	5.6	20.5
2 11	9 39.19	+ 8 40.1	1.869	2.853	2.0	20.3
2 21	9 29.83	+ 9 42.7	1.907	2.884	3.7	20.5
3 2	9 21.55	+10 42.4	1.975	2.915	7.5	20.7
3 12	9 15.13	+11 34.5	2.069	2.944	10.9	21.0
3 22	9 10.99	+12 16.2	2.186	2.973	13.8	21.3

151576 2002 TJ_{242} 2 11.8 107°.53 5°.1/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.69	+22 9.0	1.396	2.268	14.7	19.5
1 22	9 59.28	+23 44.5	1.349	2.279	10.4	19.3
2 1	9 50.09	+25 21.8	1.325	2.291	6.4	19.1
2 11	9 39.31	+26 48.7	1.329	2.302	5.3	19.1
2 21	9 28.46	+27 55.2	1.359	2.313	8.4	19.3
3 2	9 19.10	+28 35.8	1.415	2.323	12.6	19.5
3 12	9 12.42	+28 50.2	1.493	2.334	16.3	19.8
3 22	9 9.00	+28 41.6	1.589	2.344	19.4	20.0

128628 2004 RX_{8} 2 11.8 151°.99 0°.9/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.71	+ 8 54.1	2.399	3.229	10.9	21.0
1 22	9 54.84	+ 9 25.3	2.327	3.237	7.8	20.8
2 1	9 47.42	+10 6.4	2.282	3.245	4.4	20.6
2 11	9 39.11	+10 53.8	2.267	3.253	1.1	20.4
2 21	9 30.70	+11 43.0	2.283	3.259	3.2	20.6
3 2	9 23.02	+12 29.6	2.328	3.266	6.7	20.8
3 12	9 16.75	+13 10.1	2.401	3.271	9.8	21.0
3 22	9 12.37	+13 42.1	2.498	3.276	12.5	21.2

422360 2014 SU_{230} 2 11.8 216°.62 0°.9/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 3.90	+14 29.1	1.951	2.799	12.2	22.3
1 22	9 57.53	+15 7.3	1.870	2.792	8.6	22.1
2 1	9 49.05	+15 53.4	1.815	2.784	4.6	21.8
2 11	9 39.25	+16 41.9	1.789	2.775	0.9	21.5
2 21	9 29.18	+17 26.9	1.793	2.766	4.5	21.8
3 2	9 19.97	+18 3.5	1.825	2.756	8.7	22.0
3 12	9 12.58	+18 28.5	1.884	2.746	12.5	22.2
3 22	9 7.65	+18 40.7	1.963	2.735	15.7	22.4

419779 2010 VL_{172} 2 11.8 214°.71 1°.7/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.96	+16 45.3	2.009	2.862	11.7	21.8
1 22	9 56.80	+17 28.7	1.932	2.856	8.2	21.6
2 1	9 48.63	+18 17.9	1.881	2.850	4.4	21.3
2 11	9 39.22	+19 7.1	1.859	2.844	1.7	21.1
2 21	9 29.59	+19 50.3	1.867	2.837	4.8	21.3
3 2	9 20.80	+20 23.0	1.904	2.830	8.7	21.6
3 12	9 13.81	+20 42.7	1.966	2.822	12.3	21.8
3 22	9 9.18	+20 48.8	2.049	2.814	15.3	21.9

394794 2008 QV_{7} 2 11.8 184°.04 0°.4/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.59	+13 11.0	1.971	2.812	12.5	22.2
1 22	9 59.33	+13 43.5	1.895	2.813	8.8	21.9
2 1	9 49.97	+14 24.4	1.846	2.813	4.7	21.7
2 11	9 39.33	+15 8.4	1.826	2.812	0.4	21.3
2 21	9 28.49	+15 49.9	1.836	2.810	4.2	21.6
3 2	9 18.59	+16 24.4	1.876	2.807	8.5	21.9
3 12	9 10.59	+16 48.5	1.942	2.803	12.2	22.1
3 22	9 5.08	+17 1.3	2.031	2.798	15.3	22.3

366905 2005 UX_{57} 2 11.8 114°.20 1°.9/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.86	+17 41.2	1.879	2.737	12.2	21.3
1 22	9 56.72	+18 20.5	1.816	2.743	8.5	21.1
2 1	9 48.55	+19 4.1	1.779	2.748	4.6	20.8
2 11	9 39.22	+19 46.1	1.770	2.754	2.0	20.7
2 21	9 29.81	+20 20.8	1.790	2.760	5.1	20.9
3 2	9 21.41	+20 44.1	1.839	2.765	9.0	21.1
3 12	9 14.93	+20 54.1	1.912	2.770	12.5	21.4
3 22	9 10.90	+20 50.8	2.006	2.775	15.4	21.6

412671 2014 OM_{198} 2 11.8 207°.28 0°.4/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.08	+13 54.7	1.893	2.739	12.6	21.5
1 22	9 58.37	+14 16.6	1.815	2.735	9.0	21.3
2 1	9 49.49	+14 46.1	1.762	2.730	4.8	21.0
2 11	9 39.30	+15 18.3	1.738	2.725	0.5	20.7
2 21	9 28.88	+15 48.2	1.744	2.719	4.4	21.0
3 2	9 19.39	+16 11.4	1.778	2.712	8.7	21.2
3 12	9 11.83	+16 24.9	1.838	2.705	12.5	21.4
3 22	9 6.79	+16 27.7	1.920	2.697	15.8	21.6

310926 2003 SD_{178} 2 11.8 111°.99 2°.7/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.09	+ 4 58.8	1.700	2.529	14.6	20.8
1 22	9 56.96	+ 5 13.4	1.636	2.541	10.9	20.6
2 1	9 48.70	+ 5 44.9	1.596	2.552	6.7	20.4
2 11	9 39.24	+ 6 29.6	1.583	2.564	3.0	20.2
2 21	9 29.69	+ 7 22.0	1.598	2.575	4.4	20.3
3 2	9 21.20	+ 8 15.7	1.642	2.585	8.4	20.5
3 12	9 14.72	+ 9 4.9	1.711	2.596	12.3	20.8
3 22	9 10.80	+ 9 45.6	1.802	2.606	15.6	21.0

19314 1996 VT_{8} 2 11.8 141°.56 5°.9/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.87	+30 41.2	2.236	3.090	10.7	18.5
1 22	9 58.02	+31 57.5	2.187	3.100	8.1	18.3
2 1	9 49.21	+33 7.2	2.166	3.110	6.2	18.2
2 11	9 39.30	+34 2.6	2.173	3.120	6.1	18.2
2 21	9 29.33	+34 38.7	2.209	3.129	7.9	18.4
3 2	9 20.39	+34 53.1	2.272	3.137	10.4	18.5
3 12	9 13.34	+34 46.9	2.358	3.145	12.8	18.7
3 22	9 8.69	+34 23.1	2.464	3.152	14.9	18.9

243390 2008 YX_{97} 2 11.8 69°.49 2°.0/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.77	+17 30.5	2.093	2.951	11.1	20.6
1 22	9 54.36	+18 26.0	2.039	2.965	7.7	20.5
2 1	9 47.22	+19 25.8	2.011	2.980	4.1	20.3
2 11	9 39.14	+20 23.7	2.012	2.995	2.0	20.1
2 21	9 31.04	+21 14.3	2.042	3.009	4.8	20.3
3 2	9 23.82	+21 53.2	2.101	3.024	8.2	20.6
3 12	9 18.26	+22 18.2	2.185	3.038	11.3	20.8
3 22	9 14.81	+22 29.4	2.291	3.053	13.9	21.0

98044 2000 RU_{25} 2 11.8 59°.84 0°.0/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.22	+13 21.4	1.344	2.204	15.9	18.8
1 22	9 59.52	+13 28.6	1.292	2.218	11.3	18.6
2 1	9 50.17	+13 45.5	1.262	2.232	6.0	18.3
2 11	9 39.39	+14 6.5	1.259	2.246	0.5	18.0
2 21	9 28.64	+14 25.8	1.283	2.260	5.1	18.3
3 2	9 19.42	+14 38.5	1.333	2.275	10.2	18.7
3 12	9 12.82	+14 41.7	1.406	2.289	14.6	19.0
3 22	9 9.36	+14 34.6	1.499	2.304	18.2	19.2

344851 2004 GK_{50} 2 11.8 354°.18 2°.2/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 2.88	+ 7 58.0	1.201	2.060	17.6	20.6
1 22	9 57.60	+ 8 3.5	1.136	2.058	12.9	20.3
2 1	9 49.38	+ 8 28.0	1.091	2.056	7.6	20.0
2 11	9 39.34	+ 9 6.9	1.070	2.055	2.6	19.7
2 21	9 29.00	+ 9 53.2	1.075	2.054	5.3	19.9
3 2	9 20.02	+10 38.8	1.105	2.054	10.9	20.2
3 12	9 13.74	+11 16.9	1.157	2.054	15.9	20.4
3 22	9 10.86	+11 43.2	1.227	2.055	20.1	20.7

426915 2013 WO_{86} 2 11.8 86°.41 3°.2/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.21	+20 39.6	2.107	2.968	10.9	20.8
1 22	9 54.72	+21 54.5	2.054	2.981	7.6	20.6
2 1	9 47.45	+23 11.3	2.028	2.995	4.4	20.4
2 11	9 39.18	+24 23.0	2.031	3.008	3.3	20.4
2 21	9 30.85	+25 23.3	2.064	3.021	5.7	20.5
3 2	9 23.41	+26 8.0	2.124	3.033	8.9	20.7
3 12	9 17.66	+26 35.4	2.210	3.046	11.9	21.0
3 22	9 14.08	+26 46.2	2.317	3.059	14.3	21.2

184553 2005 QH_{49} 2 11.8 169°.89 0°.9/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.53	+14 2.4	1.993	2.843	11.9	21.3
1 22	9 55.76	+14 53.6	1.922	2.845	8.4	21.1
2 1	9 48.07	+15 53.1	1.878	2.847	4.4	20.8
2 11	9 39.24	+16 55.1	1.863	2.849	0.9	20.6
2 21	9 30.25	+17 53.3	1.877	2.850	4.4	20.8
3 2	9 22.11	+18 42.4	1.921	2.851	8.4	21.1
3 12	9 15.72	+19 18.9	1.990	2.852	11.9	21.3
3 22	9 11.61	+19 41.7	2.080	2.852	14.9	21.5

125549 2001 XC_{4} 2 11.8 29°.63 17°.8/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.86	+51 40.5	0.951	1.776	23.7	17.8
1 22	10 21.80	+51 46.5	0.932	1.798	20.8	17.6
2 1	10 1.58	+51 3.3	0.931	1.821	18.6	17.6
2 11	9 40.17	+49 18.3	0.949	1.846	17.8	17.6
2 21	9 21.54	+46 35.7	0.988	1.873	18.7	17.8
3 2	9 8.19	+43 12.9	1.049	1.901	20.7	18.0
3 12	9 0.75	+39 31.2	1.129	1.930	23.0	18.3
3 22	8 58.59	+35 47.5	1.227	1.959	25.1	18.6

120031 2003 AZ_{68} 2 11.8 273°.38 4°.9/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.88	+22 56.9	1.776	2.645	12.2	19.3
1 22	9 55.73	+24 44.6	1.707	2.636	8.8	19.1
2 1	9 48.24	+26 35.8	1.665	2.628	5.7	18.9
2 11	9 39.27	+28 19.9	1.651	2.619	5.2	18.8
2 21	9 29.95	+29 47.5	1.665	2.611	8.0	19.0
3 2	9 21.53	+30 52.0	1.707	2.602	11.6	19.1
3 12	9 15.13	+31 31.1	1.771	2.594	14.9	19.3
3 22	9 11.43	+31 46.2	1.853	2.585	17.8	19.5

242610 2005 JX_{99} 2 11.8 180°.87 1°.6/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.75	+ 5 55.7	2.732	3.552	10.0	21.0
1 22	9 52.69	+ 6 27.9	2.651	3.552	7.4	20.8
2 1	9 46.29	+ 7 11.3	2.596	3.553	4.4	20.6
2 11	9 39.11	+ 8 2.7	2.570	3.553	1.8	20.4
2 21	9 31.80	+ 8 58.4	2.576	3.552	2.9	20.5
3 2	9 25.04	+ 9 54.2	2.612	3.552	5.9	20.7
3 12	9 19.44	+10 46.1	2.676	3.551	8.8	20.9
3 22	9 15.44	+11 31.3	2.764	3.549	11.2	21.1

29357 1995 YE_{6} 2 11.8 300°.47 2°.2/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.92	+ 7 27.2	1.305	2.159	16.7	19.3
1 22	9 56.97	+ 7 40.1	1.223	2.143	12.4	19.0
2 1	9 49.13	+ 8 12.6	1.163	2.127	7.4	18.7
2 11	9 39.36	+ 9 0.7	1.127	2.111	2.5	18.4
2 21	9 29.02	+ 9 57.5	1.117	2.096	5.2	18.5
3 2	9 19.74	+10 54.7	1.132	2.081	10.8	18.7
3 12	9 12.93	+11 44.5	1.170	2.066	15.9	19.0
3 22	9 9.44	+12 21.9	1.227	2.051	20.3	19.2

469306 1999 CD_{158} 2 11.8 251°.17 0°.2/ 8.6 15 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 40.77	+23 51.9	45.527	46.381	0.6	21.7
1 22	9 40.10	+23 56.8	45.455	46.378	0.4	21.7
2 1	9 39.36	+24 1.7	45.412	46.375	0.3	21.7
2 11	9 38.59	+24 6.3	45.399	46.372	0.2	21.7
2 21	9 37.81	+24 10.5	45.416	46.369	0.3	21.7
3 2	9 37.06	+24 14.2	45.463	46.365	0.5	21.7
3 12	9 36.37	+24 17.2	45.538	46.362	0.7	21.7
3 22	9 35.75	+24 19.5	45.638	46.359	0.9	21.8

170766 2004 CM_{66} 2 11.8 224°.75 3°.2/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.99	+21 50.6	2.294	3.154	10.2	20.3
1 22	9 54.56	+22 49.8	2.225	3.151	7.2	20.1
2 1	9 47.40	+23 50.3	2.183	3.149	4.3	19.9
2 11	9 39.21	+24 46.0	2.171	3.146	3.3	19.8
2 21	9 30.87	+25 31.7	2.188	3.143	5.5	19.9
3 2	9 23.29	+26 3.5	2.233	3.141	8.6	20.1
3 12	9 17.25	+26 19.8	2.303	3.138	11.5	20.3
3 22	9 13.28	+26 21.2	2.395	3.135	14.0	20.5

9331 Fannyhensel 2 11.8 205°.34 1°.8/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 2.38	+17 45.5	2.036	2.891	11.5	18.9
1 22	9 56.36	+18 21.9	1.964	2.889	8.1	18.6
2 1	9 48.40	+19 2.5	1.918	2.887	4.3	18.4
2 11	9 39.30	+19 41.8	1.901	2.885	1.9	18.2
2 21	9 30.04	+20 14.7	1.914	2.883	4.8	18.4
3 2	9 21.66	+20 37.1	1.955	2.880	8.6	18.6
3 12	9 15.04	+20 47.0	2.021	2.877	12.0	18.8
3 22	9 10.73	+20 44.4	2.109	2.875	14.9	19.0

271138 2003 ST_{118} 2 11.8 148°.61 2°.1/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.11	+18 56.0	2.197	3.052	10.8	21.4
1 22	9 56.02	+19 32.7	2.131	3.056	7.6	21.2
2 1	9 48.15	+20 12.2	2.091	3.059	4.1	21.0
2 11	9 39.28	+20 49.0	2.081	3.063	2.1	20.9
2 21	9 30.32	+21 18.7	2.100	3.067	4.7	21.1
3 2	9 22.21	+21 37.7	2.148	3.070	8.1	21.3
3 12	9 15.76	+21 44.5	2.222	3.073	11.3	21.5
3 22	9 11.46	+21 39.3	2.318	3.076	13.9	21.7

340747 2006 SE_{241} 2 11.8 98°.93 3°.7/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.01	− 1 7.7	2.443	3.238	11.8	21.2
1 22	9 52.26	− 0 42.2	2.367	3.245	9.2	21.0
2 1	9 46.10	+ 0 0.2	2.316	3.253	6.4	20.9
2 11	9 39.13	+ 0 57.2	2.293	3.261	4.0	20.7
2 21	9 32.04	+ 2 4.8	2.299	3.268	4.1	20.8
3 2	9 25.58	+ 3 17.8	2.335	3.275	6.5	20.9
3 12	9 20.41	+ 4 30.6	2.398	3.283	9.3	21.1
3 22	9 16.97	+ 5 38.5	2.486	3.290	11.8	21.3

341644 2007 VN_{38} 2 11.8 147°.54 5°.8/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.48	− 7 26.0	2.655	3.405	12.1	21.2
1 22	9 53.93	− 7 47.8	2.575	3.412	10.0	21.1
2 1	9 46.97	− 7 52.0	2.519	3.418	7.9	20.9
2 11	9 39.20	− 7 38.6	2.490	3.424	6.2	20.8
2 21	9 31.29	− 7 9.2	2.489	3.430	5.9	20.8
3 2	9 23.97	− 6 27.2	2.517	3.436	7.2	20.9
3 12	9 17.90	− 5 37.2	2.572	3.441	9.3	21.1
3 22	9 13.52	− 4 44.4	2.651	3.446	11.4	21.2

237058 2008 SR_{162} 2 11.8 38°.44 0°.4/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.36	+10 38.1	1.184	2.050	17.2	19.9
1 22	9 57.12	+11 12.7	1.131	2.059	12.3	19.7
2 1	9 49.06	+12 4.0	1.099	2.069	6.7	19.4
2 11	9 39.37	+13 4.2	1.092	2.079	0.8	19.0
2 21	9 29.59	+14 4.4	1.111	2.089	5.3	19.4
3 2	9 21.31	+14 56.1	1.154	2.101	10.9	19.7
3 12	9 15.74	+15 33.7	1.220	2.112	15.7	20.0
3 22	9 13.46	+15 54.9	1.304	2.124	19.6	20.3

205227 2000 QV_{75} 2 11.8 161°.68 0°.8/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.67	+15 39.1	2.553	3.398	9.8	20.4
1 22	9 54.80	+15 58.7	2.480	3.401	6.9	20.2
2 1	9 47.45	+16 22.4	2.435	3.403	3.6	20.0
2 11	9 39.24	+16 46.7	2.419	3.405	0.8	19.8
2 21	9 30.95	+17 7.9	2.434	3.407	3.5	20.0
3 2	9 23.36	+17 23.3	2.479	3.409	6.8	20.2
3 12	9 17.14	+17 31.0	2.551	3.411	9.7	20.4
3 22	9 12.74	+17 30.3	2.646	3.412	12.2	20.6

142310 2002 RE_{164} 2 11.8 186°.79 0°.9/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.51	+ 9 16.2	2.050	2.885	12.3	21.7
1 22	9 56.43	+ 9 47.2	1.972	2.885	8.9	21.5
2 1	9 48.45	+10 29.8	1.920	2.884	5.0	21.2
2 11	9 39.33	+11 19.8	1.897	2.883	1.1	21.0
2 21	9 30.01	+12 11.9	1.904	2.881	3.7	21.1
3 2	9 21.50	+13 0.9	1.940	2.878	7.7	21.4
3 12	9 14.67	+13 42.4	2.003	2.875	11.4	21.6
3 22	9 10.07	+14 13.9	2.088	2.872	14.4	21.8

331954 2004 UM_{3} 2 11.8 178°.51 2°.0/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.82	+19 19.9	2.274	3.125	10.6	20.8
1 22	9 57.20	+19 49.0	2.203	3.126	7.5	20.6
2 1	9 48.79	+20 20.0	2.159	3.127	4.1	20.4
2 11	9 39.35	+20 48.1	2.145	3.127	2.1	20.3
2 21	9 29.82	+21 9.1	2.161	3.127	4.6	20.4
3 2	9 21.13	+21 19.8	2.206	3.127	8.0	20.7
3 12	9 14.09	+21 19.2	2.278	3.126	11.1	20.9
3 22	9 9.20	+21 7.5	2.372	3.125	13.8	21.0

242124 2002 WD_{18} 2 11.8 72°.94 5°.8/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.66	+24 2.0	1.586	2.456	13.3	19.7
1 22	9 57.60	+26 11.7	1.553	2.481	9.6	19.6
2 1	9 49.14	+28 19.1	1.546	2.506	6.4	19.4
2 11	9 39.38	+30 11.9	1.568	2.531	6.1	19.5
2 21	9 29.63	+31 40.6	1.617	2.556	8.8	19.7
3 2	9 21.23	+32 40.5	1.693	2.581	12.1	19.9
3 12	9 15.19	+33 11.9	1.791	2.605	15.1	20.2
3 22	9 12.00	+33 18.5	1.907	2.629	17.6	20.4

377240 2004 BG_{65} 2 11.8 19°.13 0°.5/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 1.49	+14 36.1	1.693	2.552	13.2	20.1
1 22	9 55.89	+14 44.5	1.631	2.557	9.3	19.9
2 1	9 48.19	+14 59.9	1.594	2.564	5.0	19.7
2 11	9 39.31	+15 17.5	1.584	2.571	0.5	19.4
2 21	9 30.37	+15 32.8	1.603	2.579	4.4	19.7
3 2	9 22.52	+15 41.8	1.648	2.587	8.8	19.9
3 12	9 16.69	+15 42.1	1.718	2.596	12.6	20.2
3 22	9 13.39	+15 33.0	1.809	2.606	15.8	20.4

244597 2002 XN_{84} 2 11.8 4°.68 17°.4/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.39	+54 24.4	1.274	2.071	20.4	18.8
1 22	10 19.85	+54 56.8	1.235	2.071	18.7	18.7
2 1	10 1.09	+54 46.9	1.214	2.071	17.6	18.6
2 11	9 40.25	+53 40.2	1.214	2.073	17.6	18.6
2 21	9 21.06	+51 34.6	1.234	2.077	18.6	18.7
3 2	9 6.34	+48 40.2	1.276	2.082	20.4	18.8
3 12	8 57.25	+45 14.5	1.338	2.088	22.5	19.0
3 22	8 53.55	+41 34.2	1.416	2.095	24.4	19.2

171332 2006 JR_{45} 2 11.8 147°.09 3°.3/15.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.70	+ 1 13.8	2.469	3.271	11.5	21.0
1 22	9 53.46	+ 1 20.3	2.391	3.276	8.8	20.9
2 1	9 46.75	+ 1 41.2	2.338	3.280	6.0	20.7
2 11	9 39.20	+ 2 14.6	2.313	3.284	3.6	20.5
2 21	9 31.52	+ 2 57.3	2.317	3.288	4.0	20.6
3 2	9 24.48	+ 3 45.1	2.352	3.291	6.5	20.7
3 12	9 18.74	+ 4 33.6	2.413	3.295	9.3	20.9
3 22	9 14.76	+ 5 18.7	2.499	3.298	11.9	21.1

465941 2011 AA_{33} 2 11.8 26°.90 0°.6/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.42	+14 15.4	1.525	2.386	14.3	21.4
1 22	9 56.74	+14 33.3	1.465	2.392	10.1	21.2
2 1	9 48.72	+14 59.6	1.428	2.398	5.3	20.9
2 11	9 39.36	+15 28.8	1.419	2.405	0.6	20.6
2 21	9 29.92	+15 55.1	1.437	2.413	4.8	20.9
3 2	9 21.70	+16 13.6	1.481	2.421	9.5	21.2
3 12	9 15.72	+16 21.4	1.550	2.430	13.7	21.5
3 22	9 12.52	+16 17.7	1.638	2.439	17.1	21.7

313851 2004 EB_{41} 2 11.8 331°.24 2°.2/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.39	+18 26.8	1.294	2.169	15.4	20.5
1 22	9 58.07	+18 36.4	1.218	2.151	11.0	20.2
2 1	9 49.74	+18 50.5	1.164	2.135	6.0	19.8
2 11	9 39.46	+19 2.4	1.134	2.119	2.2	19.6
2 21	9 28.76	+19 5.6	1.131	2.105	6.4	19.8
3 2	9 19.32	+18 55.8	1.152	2.091	11.7	20.0
3 12	9 12.55	+18 31.6	1.195	2.078	16.6	20.3
3 22	9 9.23	+17 53.7	1.256	2.067	20.7	20.5

334154 2001 RO_{150} 2 11.8 95°.71 2°.5/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.93	+ 3 19.6	2.302	3.118	11.8	20.6
1 22	9 52.98	+ 3 50.5	2.231	3.127	8.8	20.4
2 1	9 46.52	+ 4 36.2	2.184	3.136	5.6	20.2
2 11	9 39.19	+ 5 33.3	2.167	3.146	2.8	20.1
2 21	9 31.77	+ 6 37.4	2.179	3.155	3.5	20.1
3 2	9 25.04	+ 7 43.0	2.221	3.164	6.6	20.3
3 12	9 19.70	+ 8 45.1	2.290	3.172	9.7	20.5
3 22	9 16.19	+ 9 39.9	2.383	3.181	12.4	20.7

256954 2008 EV_{72} 2 11.8 154°.11 4°.4/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.94	+25 7.3	2.075	2.932	11.2	20.2
1 22	9 58.16	+26 9.2	2.016	2.939	8.1	20.0
2 1	9 49.37	+27 8.9	1.985	2.945	5.3	19.9
2 11	9 39.42	+27 59.3	1.983	2.951	4.5	19.8
2 21	9 29.40	+28 34.6	2.010	2.957	6.7	20.0
3 2	9 20.39	+28 51.8	2.065	2.961	9.8	20.2
3 12	9 13.30	+28 50.9	2.144	2.966	12.7	20.4
3 22	9 8.65	+28 33.7	2.244	2.970	15.2	20.6

278508 2008 CU_{1} 2 11.8 49°.36 0°.4/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.86	+11 42.7	1.567	2.424	14.2	20.4
1 22	9 55.67	+12 37.8	1.502	2.428	10.1	20.2
2 1	9 48.18	+13 46.1	1.462	2.432	5.3	19.9
2 11	9 39.34	+15 0.5	1.449	2.436	0.5	19.5
2 21	9 30.32	+16 12.8	1.464	2.440	4.8	19.9
3 2	9 22.37	+17 15.5	1.506	2.445	9.5	20.2
3 12	9 16.54	+18 3.6	1.572	2.449	13.7	20.4
3 22	9 13.41	+18 35.2	1.659	2.454	17.1	20.7

83371 2001 SQ_{4} 2 11.8 45°.51 0°.7/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.42	+14 10.6	1.874	2.729	12.3	18.5
1 22	9 54.91	+14 41.4	1.823	2.748	8.6	18.3
2 1	9 47.58	+15 19.2	1.797	2.767	4.5	18.1
2 11	9 39.29	+15 58.8	1.799	2.786	0.7	17.8
2 21	9 31.02	+16 34.9	1.830	2.805	4.2	18.1
3 2	9 23.76	+17 3.5	1.889	2.825	8.1	18.4
3 12	9 18.33	+17 21.7	1.973	2.845	11.6	18.7
3 22	9 15.15	+17 28.7	2.079	2.865	14.4	18.9

359166 2009 BD_{168} 2 11.8 244°.31 3°.1/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 3.55	+ 5 9.6	1.717	2.546	14.5	21.1
1 22	9 57.54	+ 5 6.9	1.632	2.537	11.0	20.9
2 1	9 49.22	+ 5 20.1	1.572	2.527	6.9	20.6
2 11	9 39.44	+ 5 47.2	1.538	2.518	3.4	20.4
2 21	9 29.30	+ 6 23.8	1.532	2.508	4.7	20.4
3 2	9 20.04	+ 7 4.5	1.554	2.497	8.9	20.6
3 12	9 12.75	+ 7 43.6	1.601	2.487	13.0	20.9
3 22	9 8.10	+ 8 16.5	1.670	2.476	16.6	21.1

9812 Danco 2 11.8 35°.84 4°.1/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.43	+ 2 30.7	1.158	2.005	18.8	17.0
1 22	9 55.80	+ 2 50.8	1.102	2.014	14.2	16.7
2 1	9 48.40	+ 3 38.4	1.067	2.024	9.1	16.5
2 11	9 39.38	+ 4 48.7	1.056	2.035	4.6	16.3
2 21	9 30.23	+ 6 12.8	1.069	2.047	5.7	16.4
3 2	9 22.49	+ 7 39.6	1.107	2.059	10.5	16.7
3 12	9 17.39	+ 8 58.8	1.167	2.071	15.2	17.0
3 22	9 15.50	+10 3.7	1.247	2.084	19.3	17.2

95660 2002 GE_{125} 2 11.8 77°.69 2°.8/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.46	+ 4 31.0	1.881	2.708	13.6	19.7
1 22	9 55.04	+ 4 44.0	1.813	2.716	10.1	19.5
2 1	9 47.73	+ 5 12.8	1.769	2.724	6.3	19.3
2 11	9 39.33	+ 5 54.3	1.752	2.732	3.1	19.1
2 21	9 30.82	+ 6 43.7	1.764	2.740	4.1	19.2
3 2	9 23.20	+ 7 35.4	1.804	2.748	7.8	19.4
3 12	9 17.33	+ 8 23.9	1.870	2.756	11.4	19.7
3 22	9 13.72	+ 9 5.2	1.958	2.764	14.5	19.9

166793 2002 VK_{47} 2 11.8 96°.59 2°.9/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.10	+ 2 44.6	2.319	3.130	11.8	20.0
1 22	9 53.77	+ 2 59.0	2.251	3.144	8.9	19.9
2 1	9 46.94	+ 3 27.7	2.209	3.157	5.8	19.7
2 11	9 39.27	+ 4 8.0	2.195	3.170	3.2	19.5
2 21	9 31.54	+ 4 56.2	2.210	3.183	3.7	19.6
3 2	9 24.53	+ 5 47.5	2.255	3.196	6.6	19.8
3 12	9 18.93	+ 6 37.4	2.327	3.209	9.6	20.0
3 22	9 15.18	+ 7 22.0	2.423	3.222	12.2	20.2

200702 2001 UT_{79} 2 11.8 82°.14 2°.1/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.04	+16 36.6	1.405	2.267	15.2	20.9
1 22	10 0.00	+17 27.8	1.362	2.291	10.6	20.6
2 1	9 50.43	+18 25.3	1.344	2.314	5.6	20.4
2 11	9 39.54	+19 20.4	1.353	2.337	2.1	20.2
2 21	9 28.81	+20 5.4	1.389	2.360	5.9	20.5
3 2	9 19.63	+20 35.1	1.452	2.382	10.5	20.9
3 12	9 13.05	+20 48.0	1.538	2.404	14.5	21.2
3 22	9 9.53	+20 45.0	1.644	2.426	17.8	21.4

386544 2009 DZ_{3} 2 11.8 329°.18 4°.9/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 55.64	− 5 59.3	2.001	2.784	14.5	19.6
1 22	9 51.73	− 4 57.5	1.905	2.771	11.7	19.4
2 1	9 46.04	− 3 27.1	1.831	2.759	8.5	19.2
2 11	9 39.21	− 1 30.7	1.785	2.747	5.6	19.0
2 21	9 32.08	+ 0 45.3	1.768	2.736	5.2	19.0
3 2	9 25.59	+ 3 11.4	1.781	2.726	7.8	19.1
3 12	9 20.59	+ 5 37.0	1.822	2.716	11.2	19.3
3 22	9 17.68	+ 7 53.0	1.888	2.706	14.5	19.5

429867 2012 SV_{15} 2 11.8 105°.26 4°.9/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.50	+29 52.8	2.404	3.256	10.1	20.9
1 22	9 57.62	+30 30.1	2.349	3.264	7.5	20.8
2 1	9 49.00	+31 1.1	2.321	3.271	5.4	20.6
2 11	9 39.44	+31 20.2	2.321	3.278	5.1	20.6
2 21	9 29.90	+31 23.9	2.351	3.285	6.7	20.7
3 2	9 21.33	+31 10.9	2.409	3.292	9.2	20.9
3 12	9 14.52	+30 42.1	2.492	3.298	11.6	21.1
3 22	9 9.90	+30 0.1	2.595	3.305	13.7	21.3

176356 2001 TH_{89} 2 11.9 131°.35 1°.6/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.25	+ 6 52.7	2.590	3.412	10.4	21.0
1 22	9 53.78	+ 7 9.0	2.518	3.422	7.6	20.8
2 1	9 46.92	+ 7 35.5	2.473	3.431	4.5	20.6
2 11	9 39.28	+ 8 9.3	2.457	3.439	1.8	20.5
2 21	9 31.56	+ 8 47.1	2.471	3.448	3.1	20.6
3 2	9 24.49	+ 9 25.1	2.516	3.456	6.1	20.8
3 12	9 18.70	+ 9 59.8	2.588	3.464	9.0	21.0
3 22	9 14.61	+10 28.8	2.685	3.471	11.5	21.2

397821 2008 SP_{72} 2 11.9 167°.48 3°.3/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.14	+20 54.5	1.712	2.570	13.2	22.0
1 22	10 0.73	+21 39.3	1.649	2.574	9.3	21.8
2 1	9 50.87	+22 25.5	1.611	2.578	5.3	21.5
2 11	9 39.61	+23 5.7	1.601	2.581	3.4	21.4
2 21	9 28.22	+23 33.5	1.621	2.583	6.3	21.6
3 2	9 18.07	+23 45.1	1.668	2.585	10.4	21.8
3 12	9 10.23	+23 39.8	1.739	2.586	14.1	22.1
3 22	9 5.28	+23 19.5	1.830	2.587	17.1	22.3

221284 2005 UW_{355} 2 11.9 140°.69 1°.0/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 1.87	+14 40.5	2.046	2.896	11.7	20.8
1 22	9 55.96	+15 24.7	1.979	2.902	8.2	20.6
2 1	9 48.21	+16 16.0	1.940	2.909	4.3	20.3
2 11	9 39.40	+17 8.6	1.929	2.915	1.0	20.1
2 21	9 30.47	+17 57.2	1.948	2.920	4.3	20.4
3 2	9 22.42	+18 36.9	1.996	2.926	8.1	20.6
3 12	9 16.09	+19 5.0	2.069	2.931	11.5	20.8
3 22	9 11.97	+19 20.4	2.165	2.936	14.4	21.0

474 Prudentia 2 11.9 187°.50 1°.4/13.1 18 A

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.83	+ 6 47.6	2.143	2.969	12.1	15.7
1 22	9 55.93	+ 7 29.7	2.062	2.969	8.9	15.5
2 1	9 48.22	+ 8 25.7	2.008	2.968	5.2	15.3
2 11	9 39.40	+ 9 31.4	1.982	2.966	1.6	15.1
2 21	9 30.37	+10 41.2	1.987	2.964	3.6	15.2
3 2	9 22.07	+11 49.1	2.021	2.961	7.4	15.4
3 12	9 15.34	+12 50.0	2.083	2.957	10.9	15.6
3 22	9 10.74	+13 40.5	2.168	2.952	14.0	15.8

341797 2007 XK_{21} 2 11.9 111°.97 3°.1/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.71	+ 2 40.8	2.462	3.269	11.4	20.7
1 22	9 54.16	+ 2 39.0	2.389	3.278	8.6	20.6
2 1	9 47.15	+ 2 50.2	2.343	3.288	5.7	20.4
2 11	9 39.31	+ 3 12.4	2.324	3.298	3.3	20.2
2 21	9 31.40	+ 3 42.9	2.336	3.307	3.8	20.3
3 2	9 24.16	+ 4 17.9	2.377	3.317	6.4	20.5
3 12	9 18.27	+ 4 53.4	2.446	3.326	9.3	20.7
3 22	9 14.16	+ 5 26.0	2.538	3.334	11.8	20.9

365686 2010 VC_{104} 2 11.9 131°.24 2°.5/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.70	+19 1.1	2.014	2.869	11.6	21.3
1 22	9 57.27	+19 57.0	1.956	2.881	8.1	21.1
2 1	9 48.90	+20 55.9	1.925	2.893	4.5	20.9
2 11	9 39.46	+21 51.3	1.923	2.904	2.6	20.8
2 21	9 29.96	+22 37.2	1.950	2.914	5.3	21.0
3 2	9 21.44	+23 9.8	2.006	2.924	8.8	21.2
3 12	9 14.77	+23 27.1	2.088	2.934	12.1	21.5
3 22	9 10.45	+23 29.8	2.190	2.943	14.8	21.7

58391 1995 UV_{3} 2 11.9 160°.11 2°.9/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.35	+22 16.4	2.473	3.325	9.8	20.1
1 22	9 56.79	+23 2.8	2.409	3.331	7.0	19.9
2 1	9 48.57	+23 49.1	2.373	3.338	4.1	19.8
2 11	9 39.44	+24 30.0	2.368	3.343	3.0	19.7
2 21	9 30.22	+25 1.0	2.392	3.348	5.1	19.8
3 2	9 21.82	+25 19.4	2.446	3.353	8.0	20.0
3 12	9 14.96	+25 24.3	2.526	3.357	10.7	20.2
3 22	9 10.12	+25 16.4	2.628	3.360	13.1	20.4

495205 2013 CU_{80} 2 11.9 307°.30 4°.8/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.10	+ 1 37.8	1.341	2.177	17.4	21.0
1 22	9 55.67	+ 1 38.3	1.256	2.160	13.6	20.7
2 1	9 48.49	+ 2 4.1	1.191	2.143	9.1	20.4
2 11	9 39.46	+ 2 53.9	1.150	2.126	5.3	20.2
2 21	9 29.85	+ 4 2.2	1.134	2.109	6.0	20.2
3 2	9 21.18	+ 5 20.5	1.144	2.093	10.5	20.4
3 12	9 14.82	+ 6 38.7	1.176	2.078	15.3	20.6
3 22	9 11.62	+ 7 48.5	1.228	2.063	19.7	20.8

341792 2007 XN_{6} 2 11.9 116°.09 6°.1/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.84	− 7 54.1	2.602	3.349	12.4	20.8
1 22	9 54.22	− 8 21.3	2.527	3.361	10.3	20.7
2 1	9 47.18	− 8 30.5	2.476	3.372	8.1	20.6
2 11	9 39.33	− 8 21.4	2.452	3.384	6.5	20.5
2 21	9 31.38	− 7 55.7	2.456	3.394	6.2	20.5
3 2	9 24.06	− 7 16.7	2.488	3.405	7.4	20.6
3 12	9 18.02	− 6 29.3	2.548	3.416	9.4	20.7
3 22	9 13.69	− 5 38.4	2.631	3.426	11.5	20.9

30797 Chimborazo 2 11.9 13°.92 5°.0/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.98	+ 3 44.8	1.482	2.313	16.3	18.0
1 22	9 57.95	+ 2 52.0	1.414	2.316	12.5	17.7
2 1	9 49.46	+ 2 15.8	1.370	2.320	8.4	17.5
2 11	9 39.52	+ 1 56.4	1.351	2.324	5.3	17.3
2 21	9 29.41	+ 1 51.8	1.358	2.329	6.0	17.4
3 2	9 20.47	+ 1 58.1	1.392	2.335	9.7	17.6
3 12	9 13.80	+ 2 10.0	1.450	2.342	13.7	17.8
3 22	9 10.02	+ 2 22.5	1.528	2.349	17.1	18.1

160732 2000 RU_{17} 2 11.9 154°.71 1°.3/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.37	+ 8 46.1	2.000	2.830	12.7	20.9
1 22	9 58.43	+ 9 4.2	1.930	2.840	9.2	20.7
2 1	9 49.54	+ 9 33.7	1.886	2.848	5.3	20.5
2 11	9 39.53	+10 10.7	1.871	2.856	1.5	20.2
2 21	9 29.41	+10 50.3	1.887	2.863	3.8	20.4
3 2	9 20.23	+11 27.9	1.931	2.870	7.8	20.7
3 12	9 12.87	+11 59.5	2.003	2.875	11.4	20.9
3 22	9 7.84	+12 22.8	2.097	2.880	14.4	21.1

78727 2002 TN_{231} 2 11.9 79°.71 4°.4/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 0.72	+24 46.0	2.090	2.954	10.9	19.1
1 22	9 55.26	+26 2.0	2.032	2.957	7.8	18.9
2 1	9 47.88	+27 16.9	2.000	2.960	5.2	18.8
2 11	9 39.40	+28 23.3	1.997	2.964	4.6	18.8
2 21	9 30.78	+29 15.0	2.023	2.967	6.8	18.9
3 2	9 23.05	+29 48.2	2.076	2.971	9.8	19.1
3 12	9 17.08	+30 2.0	2.153	2.974	12.7	19.3
3 22	9 13.40	+29 57.9	2.250	2.978	15.1	19.5

59169 1998 YJ_{26} 2 11.9 341°.20 0°.0/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.09	+13 28.4	1.267	2.133	16.4	17.7
1 22	9 59.17	+13 31.9	1.200	2.128	11.7	17.5
2 1	9 50.30	+13 45.9	1.155	2.124	6.3	17.1
2 11	9 39.60	+14 4.9	1.134	2.121	0.5	16.7
2 21	9 28.63	+14 22.8	1.140	2.118	5.4	17.1
3 2	9 19.04	+14 34.1	1.171	2.115	11.0	17.4
3 12	9 12.17	+14 35.3	1.225	2.113	15.9	17.6
3 22	9 8.69	+14 25.3	1.297	2.112	19.9	17.9

208057 1999 TT_{264} 2 11.9 251°.09 11°.1/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.49	−13 17.9	1.834	2.562	17.5	19.6
1 22	9 59.03	−14 46.2	1.743	2.550	15.4	19.4
2 1	9 50.15	−15 49.7	1.673	2.538	13.2	19.2
2 11	9 39.61	−16 23.4	1.627	2.525	11.5	19.1
2 21	9 28.49	−16 25.4	1.605	2.512	11.2	19.0
3 2	9 18.09	−15 57.6	1.608	2.499	12.4	19.1
3 12	9 9.57	−15 6.9	1.635	2.485	14.6	19.2
3 22	9 3.73	−14 2.2	1.682	2.472	17.1	19.3

238463 2004 RV_{50} 2 11.9 179°.54 0°.3/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.28	+11 57.1	1.830	2.675	13.1	21.8
1 22	9 57.91	+12 43.7	1.757	2.677	9.3	21.6
2 1	9 49.37	+13 41.2	1.710	2.678	5.0	21.3
2 11	9 39.53	+14 43.8	1.691	2.678	0.4	21.0
2 21	9 29.47	+15 44.8	1.703	2.678	4.4	21.3
3 2	9 20.36	+16 37.9	1.742	2.677	8.8	21.5
3 12	9 13.19	+17 19.1	1.808	2.675	12.7	21.8
3 22	9 8.55	+17 46.6	1.895	2.673	15.9	22.0

79823 1998 VK_{54} 2 11.9 100°.02 4°.8/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.14	+ 0 30.8	1.848	2.652	14.7	18.8
1 22	9 58.29	+ 0 5.8	1.787	2.670	11.4	18.6
2 1	9 49.45	− 0 1.2	1.749	2.688	7.9	18.4
2 11	9 39.53	+ 0 8.7	1.739	2.706	5.2	18.3
2 21	9 29.58	+ 0 32.3	1.757	2.723	5.5	18.3
3 2	9 20.67	+ 1 4.9	1.803	2.740	8.3	18.5
3 12	9 13.68	+ 1 41.1	1.876	2.757	11.6	18.8
3 22	9 9.11	+ 2 15.8	1.970	2.773	14.5	19.0

26162 1995 BB_{14} 2 11.9 131°.61 1°.4/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.21	+ 8 59.0	2.032	2.864	12.5	19.1
1 22	9 57.55	+ 9 6.8	1.966	2.876	9.0	18.9
2 1	9 49.05	+ 9 24.9	1.925	2.887	5.2	18.7
2 11	9 39.51	+ 9 50.2	1.913	2.898	1.6	18.4
2 21	9 29.90	+10 18.5	1.931	2.908	3.7	18.6
3 2	9 21.22	+10 45.7	1.978	2.918	7.5	18.8
3 12	9 14.31	+11 8.2	2.052	2.927	11.0	19.1
3 22	9 9.65	+11 23.7	2.148	2.936	14.0	19.3

346826 2009 DT_{1} 2 11.9 270°.69 2°.3/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.53	+ 6 13.9	2.328	3.151	11.4	20.9
1 22	9 54.93	+ 6 7.3	2.239	3.141	8.5	20.7
2 1	9 47.68	+ 6 11.6	2.176	3.131	5.3	20.5
2 11	9 39.40	+ 6 24.9	2.141	3.121	2.5	20.3
2 21	9 30.91	+ 6 44.4	2.136	3.112	3.6	20.4
3 2	9 23.05	+ 7 6.8	2.161	3.102	6.9	20.5
3 12	9 16.60	+ 7 28.5	2.212	3.092	10.1	20.7
3 22	9 12.08	+ 7 46.5	2.287	3.082	13.0	20.9

171386 2006 PP_{9} 2 11.9 93°.53 0°.5/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.22	+ 9 26.1	2.323	3.160	10.9	20.3
1 22	9 53.22	+10 12.9	2.256	3.170	7.8	20.1
2 1	9 46.70	+11 10.2	2.215	3.180	4.3	19.9
2 11	9 39.32	+12 13.3	2.204	3.190	0.7	19.7
2 21	9 31.85	+13 17.2	2.222	3.200	3.3	19.9
3 2	9 25.09	+14 16.8	2.271	3.209	6.8	20.1
3 12	9 19.72	+15 8.2	2.347	3.219	9.9	20.3
3 22	9 16.20	+15 48.9	2.445	3.228	12.6	20.5

109618 2001 QN_{293} 2 11.9 206°.27 3°.1/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.96	+22 3.4	2.181	3.034	10.9	20.4
1 22	9 58.20	+22 46.4	2.106	3.029	7.8	20.2
2 1	9 49.47	+23 30.0	2.059	3.024	4.6	20.0
2 11	9 39.56	+24 8.0	2.041	3.018	3.2	19.9
2 21	9 29.47	+24 35.4	2.053	3.011	5.6	20.0
3 2	9 20.25	+24 48.9	2.093	3.004	8.9	20.2
3 12	9 12.78	+24 47.6	2.160	2.996	12.1	20.4
3 22	9 7.64	+24 32.5	2.247	2.988	14.8	20.6

502927 2015 EF_{30} 2 11.9 188°.41 3°.4/ 9.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 4.40	+24 54.8	2.427	3.279	10.0	21.2
1 22	9 57.58	+25 21.4	2.358	3.279	7.2	21.0
2 1	9 49.04	+25 45.4	2.317	3.278	4.5	20.8
2 11	9 39.53	+26 1.9	2.305	3.277	3.5	20.7
2 21	9 29.95	+26 7.3	2.323	3.276	5.5	20.9
3 2	9 21.23	+25 59.5	2.370	3.275	8.3	21.0
3 12	9 14.15	+25 38.7	2.444	3.273	11.1	21.2
3 22	9 9.18	+25 6.3	2.539	3.272	13.5	21.4

341395 2007 TB_{140} 2 11.9 52°.79 8°.4/19.5 18

1 12	9 59.83	−11 45.6	2.059	2.798	15.5	19.9
1 22	9 54.48	−12 26.4	1.997	2.816	13.2	19.7
2 1	9 47.42	−12 42.2	1.956	2.835	10.8	19.6
2 11	9 39.40	−12 32.2	1.940	2.855	9.0	19.5
2 21	9 31.30	−11 58.0	1.949	2.874	8.4	19.5
3 2	9 24.04	−11 4.4	1.984	2.894	9.4	19.6
3 12	9 18.40	− 9 58.3	2.045	2.914	11.3	19.8
3 22	9 14.85	− 8 47.1	2.128	2.934	13.5	20.0

28919 2000 QP_{27} 2 11.9 188°.12 0°.4/12.2 18

1 12	10 4.04	+10 30.2	1.990	2.828	12.5	19.0
1 22	9 57.63	+11 8.9	1.912	2.827	8.9	18.8
2 1	9 49.20	+11 58.8	1.861	2.826	4.9	18.5
2 11	9 39.55	+12 55.0	1.838	2.824	0.6	18.2
2 21	9 29.68	+13 51.7	1.845	2.821	3.9	18.4
3 2	9 20.65	+14 43.3	1.882	2.818	8.1	18.7
3 12	9 13.38	+15 25.5	1.945	2.814	11.8	18.9
3 22	9 8.47	+15 56.1	2.031	2.809	15.0	19.1

333040 2011 SF_{115} 2 11.9 41°.88 1°.0/12.5 18

1 12	10 1.47	+ 8 8.7	1.099	1.965	18.3	19.7
1 22	9 56.45	+ 9 3.3	1.063	1.990	13.0	19.5
2 1	9 48.68	+10 18.1	1.047	2.015	7.2	19.2
2 11	9 39.50	+11 43.8	1.055	2.041	1.4	19.0
2 21	9 30.47	+13 8.9	1.089	2.069	5.2	19.3
3 2	9 23.10	+14 23.5	1.148	2.096	10.6	19.7
3 12	9 18.47	+15 21.0	1.229	2.125	15.3	20.0
3 22	9 17.02	+15 59.1	1.328	2.153	19.0	20.4

328279 2008 GA_{69} 2 11.9 13°.73 2°.5/10.2 18

1 12	10 0.00	+16 36.3	1.330	2.205	15.0	20.2
1 22	9 55.40	+17 36.0	1.274	2.208	10.5	19.9
2 1	9 48.20	+18 44.6	1.240	2.212	5.6	19.6
2 11	9 39.47	+19 52.8	1.233	2.217	2.5	19.5
2 21	9 30.60	+20 51.6	1.252	2.223	6.4	19.7
3 2	9 23.03	+21 34.0	1.295	2.229	11.2	20.0
3 12	9 17.90	+21 56.8	1.361	2.237	15.5	20.3
3 22	9 15.80	+22 0.1	1.445	2.245	19.0	20.5

130710 2000 SN_{187} 2 11.9 348°.67 0°.1/11.8 18

1 12	10 2.64	+11 53.8	1.446	2.304	15.1	19.4
1 22	9 57.17	+12 31.5	1.378	2.303	10.8	19.2
2 1	9 49.14	+13 22.5	1.334	2.303	5.8	18.9
2 11	9 39.55	+14 20.3	1.315	2.302	0.4	18.5
2 21	9 29.72	+15 17.0	1.325	2.302	5.0	18.8
3 2	9 21.05	+16 5.5	1.360	2.301	10.1	19.1
3 12	9 14.71	+16 40.9	1.419	2.301	14.6	19.4
3 22	9 11.34	+17 1.1	1.498	2.301	18.3	19.6

500037 2011 SG_{114} 2 11.9 199°.66 6°.9/ 2.4 17

1 12	10 6.23	+43 58.2	3.397	4.207	8.4	22.8
1 22	9 58.78	+44 58.3	3.344	4.202	7.4	22.7
2 1	9 49.66	+45 46.5	3.319	4.197	6.9	22.6
2 11	9 39.59	+46 17.8	3.321	4.191	7.2	22.6
2 21	9 29.43	+46 29.2	3.351	4.185	8.1	22.7
3 2	9 20.06	+46 20.2	3.406	4.178	9.5	22.8
3 12	9 12.25	+45 52.4	3.484	4.170	10.8	22.9
3 22	9 6.47	+45 8.8	3.580	4.162	12.0	23.0

205290 2000 SH_{210} 2 11.9 149°.12 1°.1/10.9 18

1 12	10 4.38	+14 13.5	1.937	2.785	12.3	21.4
1 22	9 57.84	+15 11.3	1.874	2.795	8.7	21.2
2 1	9 49.28	+16 17.1	1.836	2.805	4.5	21.0
2 11	9 39.57	+17 24.5	1.828	2.814	1.1	20.7
2 21	9 29.74	+18 26.7	1.851	2.823	4.6	21.0
3 2	9 20.88	+19 18.4	1.902	2.830	8.6	21.2
3 12	9 13.89	+19 56.2	1.979	2.837	12.1	21.5
3 22	9 9.32	+20 19.4	2.078	2.843	15.1	21.7

227931 2007 GV_{6} 2 11.9 265°.05 0°.7/11.3 18

1 12	10 1.81	+14 12.7	1.881	2.733	12.4	21.0
1 22	9 56.14	+14 43.8	1.807	2.731	8.8	20.8
2 1	9 48.43	+15 22.8	1.760	2.729	4.6	20.5
2 11	9 39.51	+16 4.4	1.740	2.726	0.7	20.2
2 21	9 30.39	+16 43.3	1.749	2.724	4.4	20.5
3 2	9 22.18	+17 14.5	1.787	2.722	8.6	20.7
3 12	9 15.80	+17 34.9	1.849	2.719	12.3	20.9
3 22	9 11.81	+17 43.4	1.933	2.717	15.4	21.2

288669 2004 PL_{68} 2 11.9 99°.35 0°.3/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 4.64	+11 38.0	1.548	2.399	14.7	20.9
1 22	9 58.26	+12 32.7	1.496	2.418	10.3	20.7
2 1	9 49.56	+13 39.5	1.468	2.436	5.5	20.4
2 11	9 39.60	+14 50.9	1.468	2.454	0.5	20.1
2 21	9 29.63	+15 58.8	1.496	2.472	4.8	20.4
3 2	9 20.92	+16 56.4	1.552	2.489	9.4	20.8
3 12	9 14.48	+17 39.5	1.633	2.506	13.5	21.0
3 22	9 10.82	+18 6.7	1.734	2.522	16.8	21.3

256126 2006 UW_{346} 2 11.9 124°.06 9°.3/20.8 18

1 12	9 59.01	−14 47.5	1.840	2.570	17.5	20.1
1 22	9 54.23	−14 49.9	1.760	2.571	15.0	19.9
2 1	9 47.45	−14 19.9	1.698	2.573	12.4	19.7
2 11	9 39.43	−13 16.4	1.659	2.574	10.2	19.6
2 21	9 31.18	−11 42.3	1.646	2.576	9.3	19.6
3 2	9 23.74	− 9 44.7	1.659	2.578	10.3	19.6
3 12	9 18.08	− 7 34.3	1.698	2.579	12.6	19.8
3 22	9 14.77	− 5 21.9	1.760	2.580	15.2	19.9

6477 1988 AE_{5} 2 11.9 252°.33 0°.3/12.2 18 R

1 12	9 58.17	+10 1.4	2.226	3.067	11.2	17.4
1 22	9 53.34	+10 51.7	2.148	3.065	8.0	17.2
2 1	9 46.86	+11 53.1	2.096	3.063	4.4	16.9
2 11	9 39.39	+13 0.9	2.074	3.060	0.5	16.6
2 21	9 31.74	+14 9.6	2.082	3.058	3.5	16.9
3 2	9 24.76	+15 13.5	2.118	3.056	7.2	17.1
3 12	9 19.22	+16 8.3	2.182	3.054	10.6	17.3
3 22	9 15.63	+16 51.3	2.268	3.052	13.4	17.5

462080 2007 FH_{25} 2 11.9 352°.61 2°.3/10.3 18

1 12	10 2.74	+18 30.5	1.715	2.577	12.9	21.1
1 22	9 56.96	+19 5.8	1.648	2.576	9.1	20.8
2 1	9 48.92	+19 45.3	1.605	2.575	4.9	20.6
2 11	9 39.57	+20 22.6	1.591	2.574	2.3	20.4
2 21	9 30.05	+20 51.6	1.604	2.573	5.5	20.6
3 2	9 21.59	+21 8.0	1.645	2.573	9.7	20.9
3 12	9 15.21	+21 10.1	1.710	2.573	13.5	21.1
3 22	9 11.47	+20 58.2	1.795	2.573	16.7	21.3

343076 2009 CB_{59} 2 11.9 337°.31 1°.9/10.4 17

1 12	10 1.38	+18 46.5	2.087	2.944	11.2	20.7
1 22	9 55.69	+19 11.4	2.015	2.941	7.8	20.5
2 1	9 48.14	+19 39.1	1.969	2.937	4.3	20.3
2 11	9 39.50	+20 4.6	1.951	2.934	2.0	20.1
2 21	9 30.73	+20 23.6	1.962	2.931	4.7	20.3
3 2	9 22.81	+20 32.8	2.002	2.929	8.3	20.5
3 12	9 16.59	+20 30.5	2.067	2.926	11.7	20.7
3 22	9 12.58	+20 17.0	2.154	2.924	14.5	20.9

487080 2014 OJ_{111} 2 11.9 193°.07 4°.0/ 8.9 18

1 12	10 6.11	+22 17.7	1.765	2.626	12.7	21.3
1 22	9 59.39	+23 19.9	1.699	2.624	9.1	21.1
2 1	9 50.26	+24 23.5	1.658	2.623	5.5	20.8
2 11	9 39.69	+25 19.9	1.645	2.620	4.1	20.7
2 21	9 28.91	+26 2.1	1.661	2.618	6.9	20.9
3 2	9 19.22	+26 25.7	1.705	2.614	10.7	21.1
3 12	9 11.73	+26 29.7	1.772	2.611	14.2	21.3
3 22	9 7.04	+26 15.9	1.859	2.606	17.2	21.5

143280 2003 AB_{25} 2 11.9 56°.03 3°.5/14.2 18

1 12	10 2.82	+ 4 22.4	1.586	2.417	15.4	19.5
1 22	9 56.98	+ 4 13.2	1.524	2.428	11.6	19.2
2 1	9 48.91	+ 4 21.5	1.484	2.439	7.4	19.0
2 11	9 39.58	+ 4 44.7	1.471	2.450	3.9	18.8
2 21	9 30.16	+ 5 18.3	1.486	2.461	4.9	18.9
3 2	9 21.86	+ 5 56.7	1.527	2.473	8.8	19.2
3 12	9 15.66	+ 6 33.8	1.594	2.484	12.7	19.4
3 22	9 12.12	+ 7 5.3	1.681	2.496	16.1	19.7

77866 2001 RR_{148} 2 11.9 65°.44 1°.8/10.1 18

1 12	9 58.40	+15 15.9	2.114	2.969	11.1	18.8
1 22	9 53.56	+16 40.2	2.051	2.977	7.7	18.6
2 1	9 47.00	+18 12.2	2.015	2.985	4.1	18.4
2 11	9 39.43	+19 44.7	2.009	2.992	1.8	18.2
2 21	9 31.71	+21 10.6	2.032	3.000	4.7	18.4
3 2	9 24.77	+22 24.0	2.085	3.008	8.3	18.7
3 12	9 19.39	+23 21.2	2.164	3.016	11.5	18.9
3 22	9 16.07	+24 1.1	2.264	3.024	14.2	19.1

434315 2004 GN_{28} 2 11.9 287°.66 18°.6/24.9 17

1 12	10 12.32	+48 26.4	1.091	1.939	19.7	20.3
1 22	10 6.63	+52 2.3	1.066	1.933	18.7	20.2
2 1	9 55.36	+55 3.9	1.061	1.926	18.9	20.2
2 11	9 40.15	+57 9.1	1.075	1.920	20.4	20.3
2 21	9 24.12	+58 6.8	1.107	1.914	22.6	20.4
3 2	9 10.88	+57 58.9	1.152	1.908	25.0	20.6
3 12	9 2.98	+56 57.5	1.209	1.902	27.2	20.7
3 22	9 1.10	+55 16.8	1.273	1.896	29.0	20.9

308691 2006 DS_{155} 2 11.9 216°.95 0°.6/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 6.19	+14 29.2	1.724	2.574	13.5	20.9
1 22	9 59.44	+14 48.5	1.647	2.569	9.6	20.7
2 1	9 50.31	+15 15.5	1.595	2.564	5.1	20.4
2 11	9 39.72	+15 44.8	1.571	2.558	0.7	20.0
2 21	9 28.86	+16 11.0	1.576	2.551	4.7	20.3
3 2	9 19.03	+16 29.5	1.609	2.544	9.3	20.6
3 12	9 11.32	+16 37.5	1.668	2.537	13.4	20.8
3 22	9 6.37	+16 34.3	1.746	2.529	16.9	21.0

136253 2003 XA_{39} 2 11.9 139°.60 1°.0/12.6 18

1 12	10 5.15	+10 15.6	1.873	2.710	13.1	19.9
1 22	9 58.40	+10 25.7	1.805	2.719	9.5	19.7
2 1	9 49.61	+10 46.1	1.763	2.728	5.3	19.4
2 11	9 39.66	+11 12.9	1.750	2.736	1.2	19.2
2 21	9 29.61	+11 41.4	1.766	2.743	3.9	19.4
3 2	9 20.56	+12 7.4	1.811	2.750	8.1	19.7
3 12	9 13.44	+12 27.2	1.882	2.757	11.9	19.9
3 22	9 8.78	+12 38.9	1.974	2.763	15.0	20.1

157373 2004 TC_{135} 2 11.9 145°.26 0°.7/12.5 18

1 12	10 0.11	+ 9 15.9	2.007	2.847	12.3	20.4
1 22	9 54.82	+ 9 58.1	1.935	2.850	8.8	20.2
2 1	9 47.70	+10 52.7	1.888	2.853	4.9	20.0
2 11	9 39.50	+11 54.7	1.870	2.856	0.9	19.7
2 21	9 31.14	+12 58.4	1.881	2.858	3.7	19.9
3 2	9 23.58	+13 57.8	1.921	2.860	7.7	20.1
3 12	9 17.66	+14 48.4	1.987	2.863	11.3	20.4
3 22	9 13.91	+15 27.3	2.075	2.865	14.3	20.6

386575 2009 DA_{140} 2 11.9 260°.26 1°.2/13.1 17

1 12	9 57.77	+ 7 38.8	2.444	3.274	10.7	21.6
1 22	9 52.98	+ 8 13.4	2.356	3.265	7.8	21.4
2 1	9 46.67	+ 8 59.7	2.295	3.256	4.5	21.2
2 11	9 39.42	+ 9 54.0	2.263	3.247	1.4	20.9
2 21	9 31.97	+10 52.0	2.261	3.238	3.2	21.0
3 2	9 25.09	+11 49.0	2.289	3.229	6.6	21.2
3 12	9 19.49	+12 40.6	2.344	3.220	9.8	21.4
3 22	9 15.67	+13 23.8	2.422	3.211	12.5	21.6

123551 2000 XU_{26} 2 11.9 51°.33 2°.6/13.3 18

1 12	10 6.30	+ 8 1.2	1.589	2.427	15.1	19.9
1 22	9 59.25	+ 7 32.9	1.540	2.450	11.0	19.7
2 1	9 50.04	+ 7 17.5	1.514	2.473	6.6	19.5
2 11	9 39.70	+ 7 12.4	1.515	2.497	2.9	19.3
2 21	9 29.49	+ 7 14.5	1.544	2.521	4.5	19.4
3 2	9 20.60	+ 7 19.9	1.602	2.545	8.6	19.7
3 12	9 13.95	+ 7 24.7	1.684	2.569	12.5	20.0
3 22	9 10.00	+ 7 26.2	1.787	2.594	15.6	20.3

83646 2001 SK_{345} 2 11.9 318°.15 6°.7/17.3 18

1 12	9 58.01	− 5 59.9	2.002	2.781	14.6	18.8
1 22	9 53.47	− 6 22.2	1.911	2.768	12.1	18.6
2 1	9 47.06	− 6 22.6	1.841	2.756	9.3	18.4
2 11	9 39.47	− 6 0.5	1.797	2.744	7.2	18.3
2 21	9 31.56	− 5 17.8	1.779	2.732	6.9	18.2
3 2	9 24.29	− 4 19.2	1.789	2.721	8.8	18.3
3 12	9 18.57	− 3 11.3	1.823	2.710	11.6	18.5
3 22	9 14.99	− 2 1.2	1.881	2.699	14.5	18.6

93777 2000 WE_{30} 2 11.9 99°.44 2°.6/ 9.7 18

1 12	10 1.56	+18 39.3	1.913	2.773	11.9	20.0
1 22	9 55.93	+19 43.3	1.853	2.781	8.3	19.8
2 1	9 48.32	+20 51.7	1.820	2.788	4.6	19.6
2 11	9 39.58	+21 57.1	1.815	2.796	2.7	19.5
2 21	9 30.73	+22 53.0	1.839	2.803	5.5	19.7
3 2	9 22.83	+23 34.6	1.891	2.811	9.2	19.9
3 12	9 16.78	+23 59.5	1.968	2.818	12.5	20.2
3 22	9 13.10	+24 8.2	2.065	2.825	15.3	20.4

467773 2009 VC_{82} 2 11.9 239°.96 3°.7/ 8.9 18

1 12	10 2.54	+22 26.3	1.979	2.841	11.5	21.4
1 22	9 56.69	+23 23.1	1.910	2.837	8.2	21.1
2 1	9 48.78	+24 21.0	1.868	2.833	4.9	20.9
2 11	9 39.63	+25 12.8	1.854	2.829	3.8	20.9
2 21	9 30.29	+25 52.4	1.868	2.824	6.3	21.0
3 2	9 21.87	+26 15.9	1.910	2.820	9.7	21.2
3 12	9 15.30	+26 21.9	1.977	2.816	13.0	21.4
3 22	9 11.16	+26 11.7	2.064	2.811	15.7	21.6

111318 2001 XH_{75} 2 11.9 5°.55 1°.2/11.1 18

1 12	9 59.58	+13 58.2	1.436	2.304	14.6	19.2
1 22	9 55.02	+14 47.4	1.373	2.304	10.3	19.0
2 1	9 48.02	+15 48.1	1.334	2.305	5.4	18.7
2 11	9 39.57	+16 52.6	1.320	2.306	1.2	18.4
2 21	9 30.93	+17 52.6	1.334	2.309	5.3	18.7
3 2	9 23.42	+18 41.1	1.373	2.312	10.2	19.0
3 12	9 18.16	+19 13.7	1.435	2.316	14.5	19.2
3 22	9 15.74	+19 29.2	1.517	2.320	18.1	19.5

319843 2006 WT_{11} 2 11.9 143°.44 3°.2/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 4.87	+21 26.9	2.045	2.900	11.4	20.9
1 22	9 58.16	+22 19.9	1.986	2.910	8.1	20.7
2 1	9 49.48	+23 13.7	1.953	2.919	4.7	20.5
2 11	9 39.70	+24 1.8	1.950	2.927	3.3	20.4
2 21	9 29.85	+24 38.4	1.976	2.935	5.7	20.6
3 2	9 20.99	+25 0.2	2.031	2.943	9.1	20.8
3 12	9 14.02	+25 6.2	2.111	2.950	12.3	21.0
3 22	9 9.42	+24 57.5	2.212	2.956	14.9	21.2

464972 2005 XT_{99} 2 11.9 47°.52 1°.9/10.5 18

1 12	10 2.34	+16 59.6	1.729	2.589	12.9	21.8
1 22	9 56.66	+17 44.2	1.664	2.592	9.1	21.6
2 1	9 48.79	+18 34.9	1.625	2.595	4.8	21.3
2 11	9 39.66	+19 25.0	1.613	2.598	2.0	21.1
2 21	9 30.37	+20 7.8	1.630	2.601	5.3	21.4
3 2	9 22.13	+20 38.5	1.674	2.604	9.5	21.6
3 12	9 15.91	+20 54.5	1.743	2.607	13.2	21.9
3 22	9 12.27	+20 55.8	1.832	2.610	16.4	22.1

281854 2010 CH_{82} 2 11.9 114°.84 1°.0/12.8 18

1 12	9 59.92	+ 9 2.1	2.291	3.125	11.2	21.2
1 22	9 54.47	+ 9 25.7	2.221	3.132	8.1	21.0
2 1	9 47.46	+ 9 59.3	2.177	3.140	4.6	20.8
2 11	9 39.54	+10 39.4	2.162	3.147	1.2	20.5
2 21	9 31.53	+11 21.7	2.177	3.155	3.3	20.7
3 2	9 24.25	+12 2.0	2.222	3.162	6.8	20.9
3 12	9 18.43	+12 36.7	2.293	3.169	10.0	21.2
3 22	9 14.51	+13 3.3	2.388	3.176	12.7	21.4

275755 2001 OF_{41} 2 11.9 107°.57 3°.8/ 7.6 18

1 12	10 1.20	+24 50.5	2.591	3.446	9.3	20.8
1 22	9 55.29	+26 10.9	2.546	3.467	6.7	20.6
2 1	9 47.85	+27 29.4	2.529	3.488	4.4	20.5
2 11	9 39.57	+28 39.7	2.543	3.508	4.0	20.5
2 21	9 31.26	+29 36.8	2.587	3.527	5.8	20.7
3 2	9 23.72	+30 17.8	2.660	3.546	8.3	20.8
3 12	9 17.63	+30 42.0	2.758	3.565	10.6	21.0
3 22	9 13.44	+30 50.4	2.878	3.583	12.6	21.2

4920 Gromov 2 11.9 92°.70 1°.0/12.7 18

1 12	10 1.50	+ 9 3.4	1.851	2.692	13.1	17.4
1 22	9 55.87	+ 9 32.1	1.786	2.701	9.5	17.1
2 1	9 48.30	+10 13.2	1.746	2.710	5.3	16.9
2 11	9 39.62	+11 2.2	1.734	2.719	1.3	16.6
2 21	9 30.83	+11 53.5	1.751	2.728	3.8	16.9
3 2	9 22.99	+12 41.3	1.796	2.737	8.0	17.1
3 12	9 16.96	+13 21.3	1.866	2.746	11.7	17.4
3 22	9 13.26	+13 50.9	1.959	2.755	14.8	17.6

332676 2009 BK_{151} 2 11.9 64°.55 5°.3/ 6.5 18

1 12	10 0.37	+26 48.7	2.090	2.954	10.8	20.0
1 22	9 55.09	+28 26.6	2.041	2.964	8.0	19.9
2 1	9 47.89	+30 1.7	2.019	2.974	5.7	19.7
2 11	9 39.59	+31 25.4	2.026	2.983	5.6	19.8
2 21	9 31.16	+32 31.2	2.061	2.993	7.6	19.9
3 2	9 23.63	+33 15.1	2.124	3.003	10.4	20.1
3 12	9 17.89	+33 36.8	2.209	3.013	13.0	20.3
3 22	9 14.43	+33 38.4	2.314	3.023	15.2	20.5

332802 2009 WD_{75} 2 11.9 214°.78 2°.0/10.1 17

1 12	10 1.57	+17 35.8	2.210	3.063	10.8	21.3
1 22	9 55.84	+18 30.3	2.133	3.058	7.6	21.1
2 1	9 48.29	+19 29.8	2.083	3.052	4.1	20.9
2 11	9 39.63	+20 28.5	2.063	3.045	2.0	20.7
2 21	9 30.75	+21 20.8	2.072	3.039	4.7	20.9
3 2	9 22.60	+22 2.0	2.110	3.032	8.3	21.1
3 12	9 16.04	+22 29.5	2.175	3.024	11.5	21.3
3 22	9 11.60	+22 43.0	2.261	3.016	14.3	21.5

192279 3153 $T\text{-}_{3}$ 2 11.9 70°.22 0°.4/11.7 17

1 12	10 5.80	+12 8.8	1.289	2.149	16.5	20.4
1 22	9 59.34	+12 53.9	1.246	2.172	11.6	20.2
2 1	9 50.25	+13 51.6	1.226	2.195	6.1	19.9
2 11	9 39.78	+14 53.7	1.232	2.218	0.5	19.6
2 21	9 29.44	+15 51.5	1.265	2.241	5.2	20.0
3 2	9 20.67	+16 38.0	1.324	2.264	10.3	20.3
3 12	9 14.56	+17 9.2	1.406	2.287	14.7	20.7
3 22	9 11.57	+17 24.5	1.508	2.310	18.2	21.0

358068 2006 HY_{84} 2 11.9 275°.14 2°.1/10.4 18

1 12	10 3.19	+16 16.6	1.564	2.426	13.9	21.0
1 22	9 57.69	+17 12.2	1.482	2.411	9.9	20.7
2 1	9 49.58	+18 17.6	1.426	2.396	5.3	20.4
2 11	9 39.76	+19 24.8	1.396	2.380	2.1	20.2
2 21	9 29.49	+20 25.4	1.394	2.365	5.9	20.4
3 2	9 20.18	+21 12.2	1.419	2.349	10.8	20.6
3 12	9 13.08	+21 41.3	1.467	2.333	15.1	20.8
3 22	9 8.95	+21 52.0	1.534	2.317	18.8	21.0

23056 1999 XL_{44} 2 11.9 21°.36 0°.0/11.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 1.07	+12 21.7	1.884	2.734	12.5	18.3
1 22	9 55.62	+12 47.2	1.814	2.735	8.9	18.1
2 1	9 48.21	+13 21.9	1.768	2.736	4.8	17.8
2 11	9 39.64	+14 1.2	1.751	2.738	0.4	17.5
2 21	9 30.93	+14 39.9	1.763	2.739	4.0	17.8
3 2	9 23.10	+15 13.0	1.802	2.741	8.2	18.0
3 12	9 17.07	+15 37.2	1.868	2.743	11.9	18.3
3 22	9 13.36	+15 50.6	1.954	2.745	15.0	18.5

95654 2002 GG_{107} 2 11.9 118°.92 0°.6/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.86	+13 3.3	2.038	2.887	11.8	19.9
1 22	9 55.34	+13 51.5	1.973	2.894	8.3	19.7
2 1	9 48.00	+14 48.4	1.933	2.901	4.4	19.4
2 11	9 39.63	+15 48.4	1.922	2.909	0.6	19.2
2 21	9 31.13	+16 45.7	1.941	2.916	4.0	19.4
3 2	9 23.48	+17 35.0	1.989	2.923	7.9	19.7
3 12	9 17.50	+18 13.0	2.063	2.929	11.4	19.9
3 22	9 13.69	+18 38.0	2.158	2.936	14.2	20.1

202595 2006 HY_{4} 2 11.9 161°.53 1°.2/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.42	+15 51.9	2.204	3.054	10.9	21.0
1 22	9 55.65	+16 29.2	2.134	3.057	7.7	20.8
2 1	9 48.15	+17 12.1	2.090	3.059	4.1	20.6
2 11	9 39.64	+17 55.4	2.076	3.061	1.2	20.4
2 21	9 31.00	+18 34.3	2.091	3.063	4.1	20.6
3 2	9 23.15	+19 4.8	2.136	3.065	7.7	20.8
3 12	9 16.89	+19 24.4	2.206	3.066	11.0	21.0
3 22	9 12.70	+19 32.6	2.299	3.067	13.7	21.2

492682 2014 PB_{42} 2 11.9 222°.02 0°.3/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.67	+11 47.3	1.972	2.814	12.4	22.9
1 22	9 57.56	+12 39.1	1.886	2.804	8.8	22.6
2 1	9 49.33	+13 42.4	1.825	2.792	4.8	22.3
2 11	9 39.75	+14 51.6	1.793	2.780	0.4	22.0
2 21	9 29.81	+16 0.0	1.792	2.767	4.2	22.3
3 2	9 20.63	+17 1.4	1.820	2.753	8.5	22.5
3 12	9 13.19	+17 51.0	1.874	2.739	12.4	22.7
3 22	9 8.14	+18 26.7	1.950	2.723	15.7	22.9

261432 2005 UU_{522} 2 11.9 53°.38 1°.3/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.81	+15 4.5	1.688	2.548	13.2	20.6
1 22	9 56.31	+15 50.6	1.626	2.553	9.3	20.4
2 1	9 48.63	+16 45.0	1.588	2.558	4.9	20.2
2 11	9 39.69	+17 40.8	1.578	2.564	1.3	19.9
2 21	9 30.62	+18 31.3	1.596	2.570	5.0	20.2
3 2	9 22.60	+19 10.8	1.642	2.575	9.3	20.4
3 12	9 16.60	+19 36.3	1.712	2.581	13.1	20.7
3 22	9 13.18	+19 47.0	1.802	2.587	16.3	20.9

417190 2005 WQ_{172} 2 11.9 34°.53 0°.7/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.94	+10 11.7	1.338	2.199	15.9	20.7
1 22	9 55.87	+10 41.1	1.293	2.218	11.3	20.5
2 1	9 48.40	+11 25.0	1.271	2.239	6.2	20.3
2 11	9 39.67	+12 16.8	1.273	2.260	1.0	20.0
2 21	9 30.99	+13 9.0	1.303	2.282	4.7	20.3
3 2	9 23.68	+13 54.6	1.358	2.304	9.6	20.6
3 12	9 18.73	+14 28.8	1.437	2.328	13.8	20.9
3 22	9 16.61	+14 49.4	1.535	2.352	17.3	21.2

385067 2012 UG_{63} 2 11.9 161°.83 3°.8/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.71	+ 0 12.5	2.564	3.358	11.4	20.8
1 22	9 54.25	+ 0 2.4	2.483	3.360	8.8	20.6
2 1	9 47.34	+ 0 6.1	2.426	3.362	6.2	20.4
2 11	9 39.58	+ 0 22.5	2.399	3.364	4.1	20.3
2 21	9 31.69	+ 0 49.3	2.400	3.366	4.3	20.3
3 2	9 24.40	+ 1 23.0	2.432	3.368	6.5	20.5
3 12	9 18.37	+ 1 59.5	2.490	3.370	9.2	20.6
3 22	9 14.07	+ 2 35.2	2.573	3.371	11.6	20.8

415871 2001 SM_{278} 2 11.9 124°.63 2°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.99	+ 4 40.7	2.459	3.269	11.3	22.3
1 22	9 56.47	+ 5 0.2	2.396	3.291	8.4	22.2
2 1	9 48.47	+ 5 31.8	2.360	3.312	5.2	22.0
2 11	9 39.68	+ 6 12.5	2.353	3.332	2.4	21.8
2 21	9 30.86	+ 6 58.3	2.377	3.352	3.3	21.9
3 2	9 22.82	+ 7 45.2	2.432	3.371	6.4	22.2
3 12	9 16.22	+ 8 29.0	2.515	3.388	9.3	22.4
3 22	9 11.48	+ 9 6.8	2.622	3.405	11.8	22.6

93187 2000 SV_{109} 2 11.9 304°.54 6°.6/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.46	+30 36.9	1.758	2.618	12.8	19.0
1 22	10 0.49	+31 23.8	1.693	2.611	9.7	18.8
2 1	9 50.94	+32 2.8	1.653	2.603	7.2	18.6
2 11	9 39.89	+32 25.5	1.640	2.596	6.8	18.6
2 21	9 28.70	+32 26.1	1.654	2.589	8.9	18.7
3 2	9 18.78	+32 2.8	1.694	2.582	12.1	18.8
3 12	9 11.27	+31 17.7	1.756	2.575	15.2	19.0
3 22	9 6.77	+30 15.2	1.838	2.568	17.9	19.2

498607 2008 RJ_{62} 2 11.9 191°.72 2°.5/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 3.66	+20 55.1	2.382	3.233	10.2	22.4
1 22	9 57.18	+21 30.3	2.309	3.232	7.2	22.2
2 1	9 48.96	+22 6.3	2.264	3.230	4.1	22.0
2 11	9 39.73	+22 38.3	2.248	3.228	2.5	21.9
2 21	9 30.36	+23 1.9	2.263	3.225	4.8	22.0
3 2	9 21.79	+23 14.2	2.307	3.222	8.0	22.2
3 12	9 14.79	+23 14.0	2.377	3.218	11.0	22.4
3 22	9 9.86	+23 2.0	2.470	3.214	13.5	22.6

415825 2001 QL_{239} 2 11.9 185°.52 1°.4/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.67	+16 50.9	2.246	3.092	10.9	21.8
1 22	9 57.94	+17 20.5	2.171	3.092	7.7	21.6
2 1	9 49.39	+17 54.1	2.124	3.092	4.1	21.4
2 11	9 39.77	+18 27.2	2.106	3.090	1.4	21.2
2 21	9 30.00	+18 55.1	2.118	3.089	4.2	21.4
3 2	9 21.04	+19 14.4	2.160	3.086	7.8	21.6
3 12	9 13.73	+19 23.2	2.229	3.083	11.1	21.8
3 22	9 8.59	+19 21.2	2.320	3.080	13.9	22.0

426687 2013 TZ_{22} 2 11.9 172°.74 0°.7/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.56	+14 6.5	2.118	2.966	11.4	21.6
1 22	9 55.82	+14 43.4	2.046	2.967	8.0	21.4
2 1	9 48.28	+15 27.5	2.000	2.968	4.3	21.1
2 11	9 39.68	+16 14.0	1.983	2.969	0.7	20.9
2 21	9 30.92	+16 57.5	1.996	2.970	4.0	21.1
3 2	9 22.96	+17 33.8	2.038	2.971	7.8	21.4
3 12	9 16.64	+17 59.7	2.106	2.971	11.2	21.6
3 22	9 12.46	+18 14.2	2.196	2.971	14.1	21.8

174986 2004 EV_{6} 2 11.9 258°.83 0°.8/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.93	+14 59.1	2.479	3.325	10.0	20.8
1 22	9 54.56	+15 31.3	2.390	3.311	7.1	20.6
2 1	9 47.59	+16 9.4	2.329	3.298	3.7	20.4
2 11	9 39.63	+16 49.2	2.298	3.284	0.8	20.1
2 21	9 31.43	+17 26.5	2.296	3.269	3.7	20.3
3 2	9 23.83	+17 57.6	2.325	3.255	7.1	20.5
3 12	9 17.58	+18 19.7	2.380	3.240	10.3	20.7
3 22	9 13.18	+18 31.6	2.457	3.225	12.9	20.9

296670 2009 SW_{163} 2 11.9 123°.78 1°.7/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.18	+ 7 36.4	1.989	2.820	12.7	21.1
1 22	9 56.28	+ 7 47.6	1.918	2.827	9.3	20.9
2 1	9 48.53	+ 8 11.1	1.873	2.833	5.5	20.7
2 11	9 39.70	+ 8 43.5	1.856	2.840	2.0	20.4
2 21	9 30.76	+ 9 20.5	1.868	2.846	3.7	20.6
3 2	9 22.68	+ 9 57.3	1.910	2.852	7.6	20.8
3 12	9 16.30	+10 29.8	1.977	2.857	11.1	21.1
3 22	9 12.16	+10 54.9	2.067	2.863	14.2	21.3

450467 2005 WF_{125} 2 11.9 338°.40 5°.8/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.82	+23 34.3	1.242	2.121	15.6	21.5
1 22	9 59.26	+24 49.7	1.184	2.117	11.3	21.2
2 1	9 50.55	+26 6.3	1.148	2.113	7.2	21.0
2 11	9 39.89	+27 12.1	1.137	2.110	6.0	20.9
2 21	9 28.95	+27 56.5	1.151	2.107	9.3	21.0
3 2	9 19.53	+28 14.1	1.189	2.105	13.8	21.3
3 12	9 13.04	+28 4.7	1.247	2.103	18.0	21.5
3 22	9 10.13	+27 32.3	1.323	2.101	21.5	21.8

38389 1999 RJ_{187} 2 11.9 178°.75 1°.8/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.20	+16 55.7	2.187	3.040	10.9	19.6
1 22	9 55.56	+17 52.4	2.116	3.040	7.6	19.4
2 1	9 48.15	+18 54.6	2.072	3.041	4.1	19.2
2 11	9 39.68	+19 56.2	2.058	3.041	1.8	19.0
2 21	9 31.04	+20 51.7	2.074	3.042	4.6	19.2
3 2	9 23.17	+21 36.2	2.118	3.041	8.2	19.4
3 12	9 16.89	+22 7.1	2.189	3.041	11.4	19.6
3 22	9 12.73	+22 23.9	2.281	3.040	14.1	19.8

395717 2012 TV_{196} 2 11.9 306°.93 2°.8/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.71	+ 6 42.8	1.257	2.108	17.4	20.5
1 22	9 58.35	+ 6 44.1	1.184	2.101	13.0	20.2
2 1	9 50.05	+ 7 5.2	1.132	2.094	7.9	19.9
2 11	9 39.86	+ 7 42.4	1.104	2.087	3.2	19.6
2 21	9 29.24	+ 8 29.5	1.102	2.081	5.4	19.7
3 2	9 19.84	+ 9 18.6	1.126	2.075	10.7	20.0
3 12	9 13.03	+10 2.1	1.171	2.069	15.8	20.3
3 22	9 9.59	+10 35.1	1.236	2.063	20.0	20.5

257132 2008 GF_{123} 2 11.9 47°.30 0°.5/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.55	+10 23.4	1.582	2.434	14.4	20.7
1 22	9 56.20	+10 55.7	1.520	2.441	10.3	20.5
2 1	9 48.61	+11 41.2	1.482	2.449	5.6	20.3
2 11	9 39.73	+12 34.2	1.470	2.457	0.8	19.9
2 21	9 30.72	+13 28.0	1.487	2.465	4.4	20.2
3 2	9 22.81	+14 16.2	1.530	2.473	9.0	20.5
3 12	9 16.99	+14 53.8	1.598	2.482	13.1	20.8
3 22	9 13.82	+15 18.7	1.687	2.490	16.5	21.0

210666 2000 QW_{94} 2 11.9 131°.17 0°.7/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 58.57	+ 9 21.0	2.716	3.546	9.7	21.0
1 22	9 53.36	+ 9 55.5	2.646	3.557	7.0	20.8
2 1	9 46.84	+10 38.5	2.603	3.567	3.9	20.6
2 11	9 39.58	+11 26.7	2.590	3.576	0.9	20.4
2 21	9 32.23	+12 16.1	2.608	3.585	2.8	20.6
3 2	9 25.49	+13 2.9	2.657	3.594	5.9	20.8
3 12	9 19.96	+13 43.8	2.733	3.603	8.8	21.0
3 22	9 16.04	+14 16.8	2.833	3.612	11.2	21.1

146365 2001 PC_{32} 2 11.9 126°.79 4°.0/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.44	+24 7.7	2.095	2.951	11.2	20.4
1 22	9 58.54	+25 8.4	2.044	2.966	8.0	20.3
2 1	9 49.71	+26 7.4	2.019	2.981	5.0	20.1
2 11	9 39.83	+26 57.6	2.024	2.995	4.1	20.1
2 21	9 29.93	+27 33.7	2.059	3.008	6.3	20.2
3 2	9 21.08	+27 52.7	2.121	3.021	9.4	20.5
3 12	9 14.11	+27 54.5	2.209	3.034	12.3	20.7
3 22	9 9.53	+27 40.9	2.317	3.046	14.7	20.9

67857 2000 WQ_{18} 2 11.9 185°.63 4°.5/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.94	+25 31.5	2.165	3.024	10.7	20.0
1 22	9 56.90	+26 42.5	2.101	3.024	7.8	19.8
2 1	9 48.92	+27 51.9	2.065	3.023	5.2	19.6
2 11	9 39.78	+28 52.4	2.057	3.023	4.7	19.6
2 21	9 30.47	+29 38.0	2.079	3.022	6.8	19.7
3 2	9 22.03	+30 5.3	2.128	3.020	9.8	19.9
3 12	9 15.35	+30 13.5	2.202	3.019	12.6	20.1
3 22	9 10.98	+30 4.4	2.296	3.017	15.0	20.2

250207 2002 VU_{8} 2 11.9 89°.26 1°.7/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.45	+ 7 54.6	1.745	2.581	14.0	20.9
1 22	9 57.95	+ 8 9.7	1.690	2.601	10.2	20.7
2 1	9 49.43	+ 8 38.2	1.660	2.622	5.9	20.5
2 11	9 39.81	+ 9 15.6	1.658	2.642	1.9	20.2
2 21	9 30.22	+ 9 56.8	1.684	2.662	4.0	20.4
3 2	9 21.75	+10 36.3	1.739	2.681	8.2	20.7
3 12	9 15.29	+11 9.8	1.819	2.700	11.9	21.0
3 22	9 11.31	+11 34.5	1.922	2.719	15.0	21.2

291118 2005 YS_{188} 2 11.9 109°.59 0°.3/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.51	+11 43.7	2.028	2.871	12.1	21.0
1 22	9 56.48	+12 6.1	1.964	2.881	8.6	20.8
2 1	9 48.62	+12 37.2	1.925	2.891	4.7	20.5
2 11	9 39.75	+13 12.7	1.915	2.901	0.5	20.2
2 21	9 30.80	+13 48.0	1.934	2.911	3.7	20.5
3 2	9 22.76	+14 18.7	1.983	2.921	7.6	20.8
3 12	9 16.43	+14 41.6	2.058	2.930	11.1	21.0
3 22	9 12.31	+14 55.2	2.155	2.940	14.0	21.2

11665 Dirichlet 2 11.9 346°.66 7°.6/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 56.49	− 9 54.7	2.074	2.830	14.9	18.8
1 22	9 52.36	−10 13.0	1.988	2.824	12.6	18.6
2 1	9 46.50	−10 6.9	1.924	2.819	10.2	18.4
2 11	9 39.58	− 9 35.7	1.884	2.814	8.2	18.3
2 21	9 32.41	− 8 41.5	1.870	2.810	7.6	18.2
3 2	9 25.90	− 7 29.1	1.882	2.807	8.9	18.3
3 12	9 20.86	− 6 5.7	1.920	2.803	11.2	18.5
3 22	9 17.85	− 4 39.1	1.981	2.801	13.8	18.6

162038 1996 DH 2 11.9 218°.96 4°.7/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.41	+ 6 57.7	1.174	2.002	19.9	19.5
1 22	10 12.36	+ 5 57.4	1.088	1.991	15.2	19.1
2 1	9 58.02	+ 5 10.2	1.023	1.979	9.6	18.8
2 11	9 40.61	+ 4 36.4	0.984	1.964	4.9	18.4
2 21	9 22.21	+ 4 14.9	0.974	1.947	7.3	18.5
3 2	9 5.28	+ 4 3.0	0.991	1.929	13.4	18.8
3 12	8 51.92	+ 3 56.0	1.032	1.908	19.2	19.0
3 22	8 43.17	+ 3 49.6	1.091	1.886	24.2	19.3

323869 2005 SM_{161} 2 11.9 318°.54 0°.5/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.84	+13 41.1	1.563	2.423	14.1	20.6
1 22	9 56.63	+14 6.1	1.485	2.411	10.1	20.3
2 1	9 48.99	+14 41.4	1.431	2.400	5.4	20.0
2 11	9 39.80	+15 21.1	1.403	2.390	0.6	19.6
2 21	9 30.27	+15 59.0	1.403	2.380	4.9	19.9
3 2	9 21.73	+16 29.2	1.430	2.370	9.8	20.2
3 12	9 15.33	+16 47.8	1.480	2.360	14.1	20.4
3 22	9 11.76	+16 53.2	1.550	2.352	17.8	20.6

242404 2004 FP_{122} 2 11.9 285°.74 7°.3/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.97	− 9 28.0	2.349	3.095	13.7	20.4
1 22	9 54.00	−10 1.8	2.254	3.083	11.6	20.2
2 1	9 47.36	−10 15.3	2.181	3.071	9.4	20.1
2 11	9 39.66	−10 7.1	2.133	3.058	7.7	19.9
2 21	9 31.66	− 9 38.3	2.112	3.046	7.3	19.9
3 2	9 24.21	− 8 52.1	2.119	3.034	8.6	19.9
3 12	9 18.09	− 7 54.0	2.151	3.022	10.7	20.0
3 22	9 13.87	− 6 50.1	2.206	3.010	13.1	20.2

51814 2001 OZ_{8} 2 11.9 46°.63 4°.3/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	9 59.25	− 0 7.8	2.122	2.925	13.1	17.4
1 22	9 54.17	− 0 13.1	2.047	2.929	10.2	17.2
2 1	9 47.41	− 0 1.4	1.996	2.934	7.1	17.1
2 11	9 39.66	+ 0 26.1	1.972	2.939	4.6	16.9
2 21	9 31.76	+ 1 6.0	1.976	2.944	4.8	16.9
3 2	9 24.60	+ 1 53.7	2.009	2.949	7.4	17.1
3 12	9 18.95	+ 2 43.7	2.068	2.954	10.4	17.3
3 22	9 15.30	+ 3 31.1	2.150	2.960	13.2	17.5

422727 2001 FN_{147} 2 11.9 320°.04 0°.0/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.05	+13 29.3	1.621	2.479	13.8	20.2
1 22	9 56.85	+13 31.2	1.529	2.454	10.0	19.9
2 1	9 49.17	+13 41.6	1.461	2.429	5.5	19.6
2 11	9 39.83	+13 56.4	1.419	2.405	0.5	19.2
2 21	9 30.00	+14 11.0	1.404	2.382	4.7	19.4
3 2	9 21.01	+14 20.7	1.417	2.359	9.6	19.7
3 12	9 14.07	+14 22.1	1.453	2.337	14.1	19.9
3 22	9 9.94	+14 13.5	1.509	2.316	18.0	20.1

278245 2007 ED_{152} 2 11.9 152°.73 0°.3/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.20	+12 21.5	2.159	3.002	11.4	21.3
1 22	9 55.55	+13 9.1	2.089	3.008	8.1	21.1
2 1	9 48.15	+14 5.5	2.046	3.013	4.3	20.8
2 11	9 39.73	+15 5.6	2.032	3.018	0.4	20.5
2 21	9 31.17	+16 3.9	2.048	3.023	3.8	20.8
3 2	9 23.40	+16 55.3	2.093	3.027	7.6	21.1
3 12	9 17.20	+17 36.2	2.165	3.031	10.9	21.3
3 22	9 13.08	+18 5.0	2.260	3.034	13.7	21.5

348100 2003 YQ_{10} 2 11.9 56°.23 4°.1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.58	+23 45.1	1.788	2.651	12.4	20.0
1 22	9 58.01	+24 37.7	1.752	2.678	8.8	19.9
2 1	9 49.42	+25 27.9	1.743	2.706	5.4	19.7
2 11	9 39.84	+26 8.3	1.761	2.734	4.2	19.7
2 21	9 30.42	+26 33.9	1.808	2.762	6.6	19.9
3 2	9 22.29	+26 42.1	1.881	2.790	9.9	20.1
3 12	9 16.29	+26 33.3	1.979	2.818	12.9	20.4
3 22	9 12.82	+26 9.8	2.097	2.846	15.4	20.6

242188 2003 MO_{2} 2 11.9 207°.15 0°.3/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.49	+10 8.6	2.198	3.031	11.6	21.8
1 22	9 57.25	+10 55.6	2.112	3.024	8.4	21.6
2 1	9 49.13	+11 53.8	2.051	3.016	4.6	21.4
2 11	9 39.83	+12 58.7	2.021	3.007	0.6	21.0
2 21	9 30.24	+14 4.4	2.021	2.998	3.7	21.3
3 2	9 21.34	+15 5.4	2.052	2.987	7.6	21.5
3 12	9 13.99	+15 57.2	2.110	2.975	11.2	21.7
3 22	9 8.79	+16 37.3	2.191	2.963	14.2	21.9

341245 2007 RG_{191} 2 11.9 172°.37 0°.1/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.44	+12 41.4	2.622	3.459	9.8	22.4
1 22	9 54.77	+13 10.4	2.546	3.462	6.9	22.2
2 1	9 47.65	+13 46.0	2.498	3.464	3.7	22.0
2 11	9 39.70	+14 24.4	2.479	3.466	0.3	21.7
2 21	9 31.62	+15 1.9	2.492	3.468	3.2	22.0
3 2	9 24.18	+15 35.0	2.535	3.469	6.4	22.2
3 12	9 18.03	+16 0.9	2.605	3.469	9.4	22.4
3 22	9 13.62	+16 18.2	2.699	3.469	11.9	22.6

253984 2004 EN_{43} 2 11.9 339°.98 6°.7/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.08	− 1 19.8	1.416	2.236	17.5	19.9
1 22	9 55.53	− 1 53.3	1.338	2.228	14.0	19.7
2 1	9 48.47	− 2 2.7	1.281	2.219	10.2	19.4
2 11	9 39.78	− 1 47.3	1.247	2.212	7.1	19.2
2 21	9 30.70	− 1 9.9	1.239	2.205	7.2	19.2
3 2	9 22.60	− 0 16.8	1.255	2.200	10.4	19.4
3 12	9 16.69	+ 0 43.3	1.295	2.195	14.3	19.6
3 22	9 13.70	+ 1 42.3	1.354	2.191	18.1	19.8

196793 2003 SL_{196} 2 11.9 39°.83 3°.7/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.92	+23 42.0	2.020	2.880	11.4	19.6
1 22	9 57.61	+24 19.8	1.955	2.880	8.1	19.4
2 1	9 49.30	+24 56.3	1.917	2.881	5.0	19.2
2 11	9 39.84	+25 25.4	1.907	2.881	3.8	19.2
2 21	9 30.28	+25 42.2	1.925	2.882	6.1	19.3
3 2	9 21.71	+25 43.8	1.972	2.882	9.4	19.5
3 12	9 15.02	+25 30.0	2.043	2.883	12.6	19.7
3 22	9 10.74	+25 2.5	2.135	2.884	15.2	19.9

424682 2008 RO_{108} 2 11.9 91°.19 0°.7/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.06	+10 8.4	2.037	2.877	12.1	22.1
1 22	9 55.46	+10 35.2	1.972	2.888	8.7	21.9
2 1	9 48.10	+11 12.3	1.933	2.898	4.8	21.7
2 11	9 39.74	+11 55.4	1.922	2.908	0.9	21.4
2 21	9 31.29	+12 39.6	1.941	2.918	3.6	21.6
3 2	9 23.71	+13 20.1	1.988	2.928	7.5	21.9
3 12	9 17.78	+13 53.3	2.062	2.938	10.9	22.1
3 22	9 14.00	+14 16.8	2.158	2.948	13.8	22.3

108847 2001 OB_{92} 2 11.9 140°.04 0°.2/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 1.96	+13 39.6	2.525	3.364	10.1	19.9
1 22	9 55.83	+13 54.4	2.455	3.372	7.1	19.7
2 1	9 48.21	+14 14.6	2.413	3.380	3.8	19.5
2 11	9 39.75	+14 36.8	2.400	3.387	0.3	19.2
2 21	9 31.23	+14 57.7	2.419	3.394	3.2	19.5
3 2	9 23.43	+15 14.2	2.467	3.401	6.6	19.7
3 12	9 17.02	+15 24.3	2.543	3.407	9.6	19.9
3 22	9 12.46	+15 27.0	2.642	3.413	12.1	20.1

219658 2001 VD_3 2 11.9 90°.25 0°.3/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.13	+11 28.4	1.804	2.650	13.2	21.3
1 22	9 57.07	+11 54.3	1.744	2.663	9.4	21.1
2 1	9 49.01	+12 30.1	1.709	2.676	5.1	20.8
2 11	9 39.82	+13 11.1	1.702	2.689	0.6	20.5
2 21	9 30.58	+13 51.7	1.724	2.701	4.0	20.8
3 2	9 22.38	+14 26.9	1.774	2.714	8.3	21.1
3 12	9 16.09	+14 53.2	1.850	2.726	12.0	21.3
3 22	9 12.24	+15 8.8	1.947	2.738	15.1	21.6

145335 2005 LM_{50} 2 11.9 103°.37 5°.9/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.48	− 5 44.0	2.004	2.776	14.8	20.7
1 22	9 56.41	− 5 40.7	1.942	2.799	11.9	20.5
2 1	9 48.58	− 5 14.7	1.904	2.821	8.9	20.4
2 11	9 39.79	− 4 27.3	1.891	2.843	6.4	20.2
2 21	9 30.95	− 3 22.8	1.907	2.864	6.1	20.3
3 2	9 23.03	− 2 7.3	1.951	2.885	8.1	20.4
3 12	9 16.82	− 0 48.3	2.023	2.905	10.8	20.6
3 22	9 12.78	+ 0 27.8	2.117	2.924	13.5	20.8

206871 2004 FA_{112} 2 11.9 238°.73 1°.3/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.61	+ 7 31.4	2.466	3.294	10.7	21.1
1 22	9 53.61	+ 7 57.2	2.381	3.288	7.8	20.9
2 1	9 47.10	+ 8 34.1	2.321	3.281	4.6	20.7
2 11	9 39.67	+ 9 18.8	2.291	3.275	1.6	20.5
2 21	9 32.05	+10 7.4	2.291	3.269	3.1	20.6
3 2	9 25.02	+10 55.5	2.321	3.262	6.5	20.8
3 12	9 19.28	+11 39.2	2.378	3.255	9.6	21.0
3 22	9 15.30	+12 15.6	2.459	3.248	12.3	21.1

3011 Chongqing 2 11.9 64°.68 2°.6/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.34	+ 3 45.5	2.161	2.980	12.3	17.3
1 22	9 54.11	+ 4 3.5	2.102	2.999	9.2	17.1
2 1	9 47.32	+ 4 35.8	2.068	3.020	5.8	16.9
2 11	9 39.69	+ 5 19.3	2.061	3.040	2.9	16.8
2 21	9 32.03	+ 6 9.8	2.084	3.060	3.7	16.9
3 2	9 25.18	+ 7 2.1	2.137	3.080	6.8	17.1
3 12	9 19.84	+ 7 51.5	2.216	3.100	9.9	17.3
3 22	9 16.43	+ 8 34.5	2.318	3.120	12.6	17.5

268548 2006 AT_{82} 2 11.9 312°.15 3°.9/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.92	+23 1.4	1.637	2.501	13.3	19.4
1 22	9 59.73	+23 23.1	1.546	2.473	9.6	19.1
2 1	9 50.79	+23 44.2	1.479	2.446	5.8	18.9
2 11	9 40.02	+23 57.7	1.440	2.418	3.9	18.7
2 21	9 28.73	+23 57.3	1.428	2.391	6.9	18.8
3 2	9 18.43	+23 39.6	1.442	2.364	11.3	19.0
3 12	9 10.42	+23 4.3	1.480	2.338	15.5	19.1
3 22	9 5.49	+22 13.7	1.537	2.312	19.1	19.3

142633 2002 TC_{178} 2 11.9 92°.57 2°.4/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.07	+ 6 27.3	1.875	2.698	13.8	20.5
1 22	9 59.62	+ 6 23.8	1.824	2.726	10.1	20.3
2 1	9 50.27	+ 6 33.2	1.798	2.754	6.1	20.1
2 11	9 39.95	+ 6 52.5	1.800	2.781	2.7	20.0
2 21	9 29.72	+ 7 17.8	1.832	2.808	4.0	20.1
3 2	9 20.65	+ 7 44.6	1.893	2.834	7.7	20.4
3 12	9 13.55	+ 8 8.8	1.981	2.859	11.2	20.7
3 22	9 8.87	+ 8 27.6	2.092	2.884	14.1	20.9

88549 2001 QG_{197} 2 11.9 114°.36 11°.3/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.49	−18 17.7	1.985	2.677	17.4	19.2
1 22	9 56.72	−19 24.8	1.912	2.683	15.5	19.1
2 1	9 48.91	−20 3.1	1.857	2.690	13.5	19.0
2 11	9 39.85	−20 9.1	1.824	2.696	12.0	18.9
2 21	9 30.50	−19 42.6	1.815	2.702	11.3	18.9
3 2	9 21.97	−18 47.3	1.830	2.707	11.9	18.9
3 12	9 15.20	−17 30.6	1.868	2.713	13.3	19.0
3 22	9 10.80	−16 1.8	1.928	2.718	15.2	19.1

508369 2016 ET_{214} 2 11.9 179°.75 4°.7/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.08	+31 16.2	2.976	3.822	8.5	22.5
1 22	9 56.61	+32 10.9	2.915	3.823	6.5	22.3
2 1	9 48.64	+33 0.0	2.882	3.824	5.0	22.2
2 11	9 39.81	+33 38.4	2.879	3.825	4.9	22.2
2 21	9 30.89	+34 2.6	2.906	3.824	6.3	22.3
3 2	9 22.67	+34 10.6	2.961	3.824	8.3	22.4
3 12	9 15.83	+34 2.9	3.041	3.822	10.3	22.6
3 22	9 10.83	+33 41.2	3.143	3.821	12.1	22.7

187591 2006 WA_{106} 2 11.9 86°.08 2°.2/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 2.71	+17 6.9	1.702	2.563	13.1	20.6
1 22	9 57.03	+18 0.0	1.638	2.566	9.2	20.3
2 1	9 49.12	+18 59.5	1.599	2.568	4.9	20.1
2 11	9 39.88	+19 58.2	1.587	2.571	2.2	19.9
2 21	9 30.47	+20 48.9	1.604	2.573	5.5	20.1
3 2	9 22.11	+21 26.2	1.648	2.576	9.7	20.4
3 12	9 15.80	+21 47.5	1.716	2.578	13.5	20.6
3 22	9 12.13	+21 52.7	1.805	2.581	16.7	20.8

7109 Heine 2 11.9 139°.54 4°.0/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.91	− 0 40.8	2.158	2.954	13.1	17.7
1 22	9 55.32	− 0 25.6	2.084	2.963	10.2	17.5
2 1	9 48.04	+ 0 7.9	2.034	2.972	7.0	17.3
2 11	9 39.78	+ 0 57.3	2.012	2.980	4.4	17.2
2 21	9 31.39	+ 1 58.5	2.019	2.988	4.6	17.2
3 2	9 23.76	+ 3 5.9	2.056	2.996	7.2	17.4
3 12	9 17.65	+ 4 13.5	2.119	3.003	10.3	17.6
3 22	9 13.56	+ 5 16.2	2.207	3.010	13.1	17.8

398617 2011 YB_{20} 2 11.9 112°.24 0°.3/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.49	+10 50.5	1.822	2.664	13.3	21.5
1 22	9 58.01	+11 26.7	1.764	2.681	9.4	21.3
2 1	9 49.51	+12 13.6	1.732	2.698	5.1	21.1
2 11	9 39.91	+13 5.8	1.728	2.715	0.6	20.8
2 21	9 30.28	+13 57.3	1.754	2.731	4.0	21.1
3 2	9 21.72	+14 42.6	1.809	2.746	8.2	21.4
3 12	9 15.10	+15 18.0	1.889	2.762	11.9	21.6
3 22	9 10.92	+15 41.7	1.991	2.776	15.0	21.8

331501 1999 TS_{272} 2 11.9 172°.69 4°.5/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.09	− 2 19.0	2.493	3.273	12.0	20.7
1 22	9 55.31	− 2 27.1	2.410	3.276	9.6	20.5
2 1	9 48.00	− 2 19.1	2.352	3.278	6.9	20.3
2 11	9 39.79	− 1 56.0	2.321	3.280	4.9	20.2
2 21	9 31.41	− 1 20.3	2.320	3.281	4.8	20.2
3 2	9 23.65	− 0 35.6	2.349	3.282	6.9	20.3
3 12	9 17.22	+ 0 13.1	2.405	3.283	9.5	20.5
3 22	9 12.58	+ 1 1.3	2.486	3.283	12.0	20.7

385304 2001 VU_{71} 2 11.9 53°.32 10°.1/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.52	−18 27.0	2.236	2.921	15.9	20.4
1 22	9 54.39	−19 20.0	2.167	2.933	14.1	20.3
2 1	9 47.57	−19 46.5	2.117	2.946	12.2	20.2
2 11	9 39.75	−19 44.1	2.089	2.958	10.8	20.1
2 21	9 31.77	−19 13.6	2.085	2.971	10.1	20.1
3 2	9 24.52	−18 18.4	2.106	2.984	10.5	20.2
3 12	9 18.78	−17 5.2	2.152	2.997	11.8	20.3
3 22	9 15.06	−15 41.9	2.219	3.010	13.5	20.4

278785 2008 SU_{186} 2 11.9 314°.45 2°.1/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.45	+ 6 49.3	1.917	2.751	13.0	20.6
1 22	9 55.26	+ 6 58.2	1.837	2.746	9.6	20.3
2 1	9 48.12	+ 7 20.8	1.781	2.741	5.8	20.1
2 11	9 39.81	+ 7 54.1	1.753	2.736	2.4	19.9
2 21	9 31.25	+ 8 33.5	1.753	2.731	3.9	20.0
3 2	9 23.49	+ 9 14.2	1.782	2.726	7.8	20.2
3 12	9 17.41	+ 9 51.3	1.836	2.722	11.6	20.4
3 22	9 13.60	+10 21.1	1.912	2.717	14.8	20.6

410771 2009 EL_2 2 11.9 283°.00 0°.3/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.89	+11 33.2	1.534	2.390	14.5	21.2
1 22	9 56.72	+12 22.8	1.459	2.383	10.4	21.0
2 1	9 49.09	+13 26.8	1.408	2.377	5.6	20.7
2 11	9 39.90	+14 38.4	1.383	2.370	0.5	20.3
2 21	9 30.36	+15 49.3	1.387	2.363	4.9	20.6
3 2	9 21.83	+16 51.8	1.417	2.357	9.9	20.9
3 12	9 15.45	+17 40.1	1.471	2.350	14.3	21.1
3 22	9 11.91	+18 11.9	1.545	2.344	18.0	21.3

323890 2005 SR_{246} 2 11.9 271°.22 7°.1/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.79	− 7 26.5	1.918	2.688	15.5	20.8
1 22	9 54.92	− 7 36.1	1.823	2.674	12.8	20.6
2 1	9 48.03	− 7 20.5	1.749	2.660	10.0	20.4
2 11	9 39.81	− 6 39.2	1.700	2.645	7.7	20.2
2 21	9 31.20	− 5 34.5	1.678	2.630	7.3	20.2
3 2	9 23.24	− 4 12.1	1.683	2.616	9.2	20.2
3 12	9 16.91	− 2 40.4	1.714	2.601	12.2	20.4
3 22	9 12.88	− 1 7.5	1.768	2.586	15.3	20.5

365828 2011 SF_{260} 2 11.9 12°.25 2°.1/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.44	+16 35.1	1.149	2.028	16.6	20.3
1 22	9 57.52	+17 7.5	1.095	2.030	11.7	20.0
2 1	9 49.61	+17 48.5	1.062	2.034	6.3	19.8
2 11	9 39.95	+18 29.6	1.053	2.039	2.1	19.5
2 21	9 30.15	+19 2.4	1.069	2.044	6.4	19.8
3 2	9 21.90	+19 20.7	1.110	2.051	11.8	20.1
3 12	9 16.48	+19 22.0	1.171	2.059	16.5	20.4
3 22	9 14.46	+19 6.7	1.250	2.067	20.4	20.7

331110 2010 OK_{89} 2 11.9 114.°56 2.°1/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 6.75	+18 39.1	1.912	2.763	12.3	21.4
1 22	9 59.55	+19 8.1	1.856	2.779	8.6	21.3
2 1	9 50.32	+19 39.6	1.826	2.794	4.7	21.0
2 11	9 40.01	+20 8.0	1.825	2.809	2.1	20.9
2 21	9 29.71	+20 28.2	1.854	2.823	5.0	21.1
3 2	9 20.55	+20 37.3	1.912	2.837	8.8	21.4
3 12	9 13.40	+20 34.3	1.995	2.850	12.2	21.6
3 22	9 8.75	+20 19.7	2.100	2.863	15.0	21.8

265815 2005 XL_{60} 2 11.9 96.°45 1.°9/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.92	+17 15.2	1.907	2.763	12.1	20.7
1 22	9 56.91	+18 3.8	1.851	2.776	8.5	20.5
2 1	9 48.94	+18 57.2	1.820	2.789	4.5	20.3
2 11	9 39.89	+19 49.0	1.818	2.801	2.0	20.2
2 21	9 30.78	+20 33.2	1.845	2.814	4.9	20.4
3 2	9 22.69	+21 5.6	1.900	2.826	8.7	20.6
3 12	9 16.46	+21 24.0	1.980	2.838	12.1	20.9
3 22	9 12.60	+21 28.5	2.082	2.850	15.0	21.1

157236 2004 RB_{89} 2 11.9 161.°15 3.°8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.45	+ 1 1.6	1.792	2.602	14.8	20.8
1 22	9 57.44	+ 1 22.6	1.717	2.608	11.4	20.6
2 1	9 49.31	+ 2 4.3	1.667	2.613	7.5	20.3
2 11	9 39.93	+ 3 3.5	1.643	2.618	4.3	20.1
2 21	9 30.33	+ 4 14.8	1.648	2.622	4.8	20.2
3 2	9 21.65	+ 5 31.0	1.682	2.625	8.3	20.4
3 12	9 14.85	+ 6 44.8	1.742	2.627	12.1	20.6
3 22	9 10.52	+ 7 50.4	1.824	2.629	15.4	20.9

149669 2004 FM_{141} 2 11.9 325.°42 0.°5/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.58	+13 42.6	2.022	2.875	11.7	20.3
1 22	9 54.60	+14 11.9	1.944	2.867	8.3	20.1
2 1	9 47.76	+14 49.2	1.890	2.859	4.4	19.9
2 11	9 39.80	+15 29.9	1.865	2.851	0.5	19.5
2 21	9 31.61	+16 8.9	1.869	2.844	4.0	19.8
3 2	9 24.19	+16 41.6	1.901	2.837	8.0	20.0
3 12	9 18.38	+17 4.7	1.958	2.831	11.6	20.2
3 22	9 14.76	+17 16.7	2.037	2.825	14.6	20.4

434627 2005 VF_{33} 2 11.9 101.°94 19.°4/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.54	−28 24.0	1.331	1.983	26.2	20.9
1 22	10 1.23	−30 26.8	1.279	1.998	24.3	20.8
2 1	9 51.72	−31 43.1	1.240	2.012	22.4	20.7
2 11	9 40.16	−32 3.9	1.216	2.026	20.7	20.6
2 21	9 28.19	−31 26.0	1.208	2.040	19.6	20.5
3 2	9 17.64	−29 54.1	1.217	2.053	19.4	20.6
3 12	9 10.00	−27 41.4	1.245	2.066	20.1	20.7
3 22	9 6.04	−25 4.5	1.290	2.078	21.5	20.8

503237 2015 HH_{145} 2 11.9 319.°62 0.°2/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.86	+12 20.9	2.152	2.998	11.3	20.7
1 22	9 54.70	+12 37.1	2.071	2.990	8.1	20.5
2 1	9 47.78	+13 1.3	2.015	2.982	4.4	20.3
2 11	9 39.80	+13 29.8	1.987	2.974	0.5	20.0
2 21	9 31.61	+13 58.5	1.989	2.966	3.6	20.2
3 2	9 24.14	+14 23.3	2.020	2.959	7.4	20.4
3 12	9 18.19	+14 41.2	2.077	2.952	10.9	20.6
3 22	9 14.31	+14 50.5	2.156	2.945	13.9	20.8

406829 2008 YX_{101} 2 11.9 309.°44 0.°4/11.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.20	+11 47.1	1.365	2.228	15.5	21.1
1 22	9 56.54	+12 34.1	1.287	2.215	11.1	20.8
2 1	9 49.15	+13 37.3	1.231	2.201	6.0	20.4
2 11	9 39.95	+14 49.4	1.202	2.188	0.6	20.0
2 21	9 30.27	+16 1.5	1.198	2.175	5.3	20.3
3 2	9 21.64	+17 4.6	1.221	2.163	10.8	20.6
3 12	9 15.37	+17 52.2	1.266	2.151	15.7	20.8
3 22	9 12.25	+18 21.7	1.330	2.140	19.8	21.1

453892 2011 UY_{194} 2 11.9 114.°54 5.°6/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 10.00	+27 57.4	1.894	2.747	12.3	21.3
1 22	10 1.91	+29 5.7	1.854	2.771	9.0	21.2
2 1	9 51.60	+30 7.8	1.841	2.794	6.3	21.0
2 11	9 40.14	+30 55.2	1.856	2.816	5.7	21.0
2 21	9 28.80	+31 22.6	1.900	2.837	7.8	21.2
3 2	9 18.83	+31 28.0	1.972	2.857	10.8	21.4
3 12	9 11.16	+31 13.1	2.067	2.877	13.6	21.7
3 22	9 6.25	+30 41.6	2.183	2.895	15.9	21.9

91431 1999 RQ 2 11.9 155.°85 1.°7/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.84	+16 52.3	2.157	3.010	11.1	20.5
1 22	9 56.06	+17 41.6	2.090	3.014	7.7	20.2
2 1	9 48.49	+18 36.0	2.049	3.018	4.1	20.0
2 11	9 39.87	+19 29.8	2.037	3.021	1.7	19.9
2 21	9 31.13	+20 17.5	2.055	3.024	4.5	20.1
3 2	9 23.19	+20 54.8	2.103	3.027	8.1	20.3
3 12	9 16.88	+21 19.3	2.176	3.030	11.3	20.5
3 22	9 12.71	+21 30.5	2.271	3.033	14.1	20.7

361620 2007 TK_{82} 2 11.9 74.°31 0.°4/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 3.41	+11 57.0	1.451	2.308	15.1	21.2
1 22	9 57.68	+12 48.3	1.396	2.321	10.7	20.9
2 1	9 49.52	+13 52.4	1.366	2.335	5.7	20.7
2 11	9 39.98	+15 1.7	1.362	2.348	0.6	20.3
2 21	9 30.38	+16 7.7	1.385	2.362	4.9	20.7
3 2	9 22.04	+17 3.2	1.436	2.375	9.8	21.0
3 12	9 16.03	+17 43.8	1.510	2.389	14.0	21.3
3 22	9 12.89	+18 7.9	1.604	2.402	17.5	21.5

216809 2006 TU_{31} 2 11.9 90.°71 0.°8/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.93	+ 9 32.6	1.710	2.554	13.9	20.7
1 22	9 57.06	+10 3.8	1.649	2.566	10.0	20.5
2 1	9 49.10	+10 47.9	1.614	2.579	5.6	20.2
2 11	9 39.95	+11 39.6	1.605	2.591	1.1	20.0
2 21	9 30.72	+12 32.7	1.626	2.604	4.1	20.2
3 2	9 22.56	+13 21.2	1.674	2.616	8.5	20.5
3 12	9 16.37	+14 0.5	1.748	2.628	12.3	20.7
3 22	9 12.70	+14 28.2	1.843	2.640	15.6	21.0

415476 2014 OC_{191} 2 11.9 186.°65 0.°8/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.30	+ 9 12.5	1.998	2.832	12.6	22.1
1 22	9 57.22	+ 9 46.6	1.920	2.832	9.1	21.9
2 1	9 49.19	+10 32.8	1.868	2.831	5.1	21.6
2 11	9 39.97	+11 26.8	1.844	2.830	1.1	21.4
2 21	9 30.53	+12 22.8	1.851	2.828	3.8	21.5
3 2	9 21.90	+13 15.4	1.887	2.826	7.9	21.8
3 12	9 14.99	+13 59.9	1.949	2.823	11.6	22.0
3 22	9 10.36	+14 33.8	2.034	2.819	14.7	22.2

468231 2015 BH_{193} 2 11.9 48.°94 2.°2/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.59	+17 34.5	1.947	2.806	11.7	20.9
1 22	9 55.34	+18 31.0	1.883	2.810	8.2	20.7
2 1	9 48.17	+19 32.7	1.845	2.814	4.4	20.5
2 11	9 39.89	+20 33.1	1.836	2.819	2.2	20.3
2 21	9 31.47	+21 25.8	1.856	2.823	5.1	20.5
3 2	9 23.94	+22 6.2	1.903	2.828	8.8	20.8
3 12	9 18.17	+22 31.6	1.976	2.833	12.2	21.0
3 22	9 14.68	+22 41.7	2.069	2.838	15.0	21.2

331282 2011 DE_{25} 2 11.9 192.°04 0.°1/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.83	+10 51.7	1.960	2.804	12.3	21.3
1 22	9 55.51	+11 35.8	1.885	2.804	8.8	21.1
2 1	9 48.29	+12 31.3	1.836	2.803	4.8	20.9
2 11	9 39.91	+13 33.0	1.816	2.802	0.5	20.5
2 21	9 31.32	+14 34.8	1.825	2.802	3.9	20.8
3 2	9 23.54	+15 30.9	1.862	2.801	8.0	21.1
3 12	9 17.45	+16 16.7	1.926	2.799	11.7	21.3
3 22	9 13.61	+16 50.1	2.011	2.798	14.8	21.5

135407 2001 TD_{229} 2 11.9 143.°90 6.°0/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.44	+35 52.2	2.706	3.541	9.6	20.3
1 22	10 0.45	+36 29.0	2.654	3.549	7.6	20.2
2 1	9 50.73	+36 55.5	2.630	3.557	6.2	20.1
2 11	9 40.11	+37 6.7	2.634	3.564	6.2	20.1
2 21	9 29.57	+36 59.4	2.667	3.571	7.5	20.2
3 2	9 20.05	+36 33.3	2.729	3.578	9.4	20.4
3 12	9 12.32	+35 50.4	2.815	3.584	11.4	20.5
3 22	9 6.81	+34 53.9	2.922	3.590	13.1	20.7

324597 2006 XP_{55} 2 11.9 77.°11 2.°5/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.54	+17 44.6	1.716	2.578	12.9	20.9
1 22	9 56.90	+18 43.3	1.656	2.584	9.1	20.7
2 1	9 49.08	+19 47.7	1.621	2.590	4.9	20.4
2 11	9 39.98	+20 50.1	1.614	2.597	2.5	20.3
2 21	9 30.75	+21 43.5	1.635	2.603	5.6	20.5
3 2	9 22.58	+22 22.4	1.684	2.609	9.7	20.7
3 12	9 16.44	+22 44.5	1.756	2.615	13.4	21.0
3 22	9 12.90	+22 50.0	1.849	2.621	16.4	21.2

149573 Mamorudoi 2 11.9 263.°84 1.°5/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.52	+ 9 18.3	1.333	2.185	16.5	20.1
1 22	9 59.55	+ 9 27.3	1.262	2.182	12.1	19.8
2 1	9 50.74	+ 9 52.2	1.214	2.180	6.9	19.5
2 11	9 40.14	+10 28.3	1.191	2.177	1.8	19.2
2 21	9 29.21	+11 8.9	1.195	2.174	5.0	19.4
3 2	9 19.52	+11 47.2	1.224	2.171	10.4	19.7
3 12	9 12.39	+12 17.4	1.277	2.167	15.2	20.0
3 22	9 8.51	+12 36.2	1.349	2.164	19.3	20.2

258507 2002 AC_{124} 2 11.9 41.°44 1.°6/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.88	+13 30.2	1.467	2.332	14.5	19.2
1 22	9 55.16	+14 54.5	1.419	2.349	10.1	19.0
2 1	9 48.17	+16 30.3	1.395	2.366	5.3	18.7
2 11	9 39.90	+18 7.9	1.398	2.384	1.6	18.5
2 21	9 31.58	+19 37.5	1.429	2.402	5.5	18.8
3 2	9 24.46	+20 51.2	1.487	2.421	10.0	19.1
3 12	9 19.52	+21 44.6	1.568	2.440	14.0	19.4
3 22	9 17.28	+22 17.1	1.669	2.459	17.2	19.7

77221 2001 FE_{28} 2 11.9 164°.51 2°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 4.94	+18 56.1	2.115	2.966	11.3	19.9
1 22	9 58.30	+19 48.8	2.049	2.972	7.9	19.7
2 1	9 49.73	+20 44.7	2.010	2.977	4.4	19.5
2 11	9 40.04	+21 37.7	2.000	2.982	2.4	19.3
2 21	9 30.23	+22 22.0	2.021	2.986	5.1	19.5
3 2	9 21.31	+22 53.5	2.071	2.989	8.6	19.7
3 12	9 14.16	+23 10.6	2.147	2.991	11.9	20.0
3 22	9 9.31	+23 13.5	2.244	2.993	14.6	20.2

151112 2001 WZ_{31} 2 11.9 339°.99 4°.1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.98	+21 29.2	1.627	2.497	13.1	19.9
1 22	9 56.73	+22 39.1	1.563	2.493	9.3	19.7
2 1	9 49.09	+23 52.1	1.523	2.490	5.6	19.4
2 11	9 39.99	+24 59.2	1.511	2.487	4.2	19.4
2 21	9 30.66	+25 52.3	1.526	2.485	7.1	19.5
3 2	9 22.40	+26 26.0	1.567	2.483	11.1	19.7
3 12	9 16.31	+26 38.6	1.631	2.481	14.7	20.0
3 22	9 13.01	+26 31.5	1.714	2.479	17.8	20.2

233971 1991 TD_{2} 2 11.9 205°.56 2°.1/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.10	+ 5 19.8	1.896	2.719	13.6	21.7
1 22	9 57.95	+ 5 52.6	1.811	2.714	10.1	21.5
2 1	9 49.68	+ 6 42.3	1.750	2.707	6.1	21.3
2 11	9 40.06	+ 7 45.0	1.718	2.700	2.4	21.0
2 21	9 30.10	+ 8 54.7	1.715	2.692	4.0	21.1
3 2	9 20.94	+10 4.7	1.742	2.684	8.2	21.3
3 12	9 13.56	+11 8.9	1.795	2.674	12.1	21.5
3 22	9 8.61	+12 2.7	1.871	2.664	15.5	21.7

212350 2005 VU_{43} 2 11.9 236°.08 2°.4/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.19	+20 58.9	2.667	3.519	9.2	21.0
1 22	9 54.73	+21 40.4	2.589	3.512	6.5	20.8
2 1	9 47.75	+22 23.1	2.539	3.505	3.7	20.6
2 11	9 39.87	+23 2.6	2.519	3.497	2.5	20.5
2 21	9 31.83	+23 34.7	2.529	3.489	4.5	20.6
3 2	9 24.41	+23 56.3	2.568	3.481	7.4	20.8
3 12	9 18.31	+24 6.1	2.634	3.473	10.1	21.0
3 22	9 13.98	+24 4.0	2.722	3.464	12.4	21.1

283900 2004 DQ_{15} 2 11.9 284°.46 3°.6/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.61	+ 2 59.9	2.225	3.035	12.3	20.6
1 22	9 55.92	+ 2 37.5	2.137	3.027	9.5	20.4
2 1	9 48.47	+ 2 28.2	2.073	3.019	6.4	20.2
2 11	9 39.94	+ 2 31.0	2.038	3.010	3.9	20.0
2 21	9 31.17	+ 2 43.8	2.032	3.002	4.4	20.0
3 2	9 23.06	+ 3 3.2	2.055	2.994	7.3	20.2
3 12	9 16.41	+ 3 25.5	2.104	2.986	10.5	20.4
3 22	9 11.79	+ 3 46.7	2.177	2.978	13.4	20.5

13890 1186 $T\text{-}_{2}$ 2 11.9 71°.88 1°.6/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 57.67	+ 6 26.0	2.540	3.364	10.5	18.7
1 22	9 52.91	+ 6 49.3	2.464	3.368	7.7	18.5
2 1	9 46.75	+ 7 23.7	2.415	3.372	4.6	18.4
2 11	9 39.78	+ 8 6.2	2.394	3.376	1.9	18.2
2 21	9 32.70	+ 8 53.0	2.403	3.381	3.0	18.3
3 2	9 26.22	+ 9 40.1	2.442	3.385	6.1	18.5
3 12	9 20.99	+10 23.5	2.509	3.389	9.1	18.7
3 22	9 17.42	+11 0.5	2.599	3.393	11.6	18.8

83085 2001 QC_{228} 2 11.9 143°.62 3°.9/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.96	− 0 43.1	2.415	3.209	12.0	20.1
1 22	9 53.87	− 0 37.6	2.336	3.213	9.4	19.9
2 1	9 47.29	− 0 16.2	2.281	3.216	6.5	19.7
2 11	9 39.83	+ 0 19.6	2.254	3.220	4.3	19.6
2 21	9 32.23	+ 1 6.7	2.256	3.223	4.4	19.6
3 2	9 25.25	+ 2 0.7	2.287	3.226	6.7	19.7
3 12	9 19.59	+ 2 56.4	2.345	3.229	9.5	19.9
3 22	9 15.71	+ 3 49.4	2.428	3.232	12.1	20.1

80050 1999 JD_{55} 2 11.9 324°.83 5°.6/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.49	+27 21.0	1.945	2.812	11.4	19.1
1 22	9 55.51	+28 40.6	1.877	2.801	8.5	18.9
2 1	9 48.39	+29 58.0	1.836	2.791	6.1	18.7
2 11	9 39.95	+31 4.7	1.822	2.781	5.9	18.7
2 21	9 31.24	+31 53.8	1.835	2.771	8.1	18.8
3 2	9 23.41	+32 21.0	1.875	2.762	11.1	19.0
3 12	9 17.47	+32 25.8	1.937	2.753	14.1	19.1
3 22	9 14.03	+32 10.3	2.018	2.745	16.6	19.3

461728 2005 TX_{91} 2 11.9 112°.26 3°.4/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 7.72	+23 4.5	2.007	2.860	11.7	21.7
1 22	10 0.20	+23 36.2	1.954	2.876	8.3	21.5
2 1	9 50.70	+24 6.2	1.927	2.891	4.9	21.3
2 11	9 40.14	+24 28.6	1.930	2.907	3.4	21.3
2 21	9 29.65	+24 39.0	1.963	2.921	5.8	21.5
3 2	9 20.32	+24 35.2	2.024	2.936	9.1	21.7
3 12	9 13.00	+24 17.4	2.110	2.950	12.2	21.9
3 22	9 8.17	+23 47.5	2.218	2.963	14.8	22.1

278772 2008 SL_{156} 2 11.9 88°.87 1°.4/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 1.45	+15 53.3	2.005	2.859	11.7	20.7
1 22	9 55.87	+16 37.1	1.942	2.866	8.2	20.5
2 1	9 48.44	+17 26.9	1.904	2.873	4.3	20.3
2 11	9 39.95	+18 17.0	1.895	2.880	1.4	20.1
2 21	9 31.35	+19 1.9	1.916	2.887	4.5	20.3
3 2	9 23.64	+19 37.0	1.965	2.894	8.3	20.5
3 12	9 17.66	+19 59.7	2.039	2.901	11.6	20.8
3 22	9 13.89	+20 9.5	2.135	2.908	14.5	21.0

114272 2002 XR_{13} 2 11.9 239°.46 5°.3/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.41	+29 8.6	2.391	3.249	9.9	19.5
1 22	9 55.87	+30 31.1	2.325	3.242	7.5	19.3
2 1	9 48.49	+31 50.1	2.286	3.235	5.6	19.2
2 11	9 39.97	+32 58.3	2.277	3.227	5.6	19.2
2 21	9 31.21	+33 50.0	2.296	3.220	7.4	19.3
3 2	9 23.19	+34 21.8	2.342	3.212	9.9	19.4
3 12	9 16.77	+34 33.2	2.412	3.204	12.4	19.6
3 22	9 12.50	+34 26.1	2.502	3.196	14.5	19.7

226899 2004 TS_{155} 2 11.9 83°.03 1°.8/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.45	+ 6 25.2	1.914	2.747	13.1	20.7
1 22	9 55.22	+ 6 53.1	1.844	2.753	9.6	20.5
2 1	9 48.12	+ 7 35.7	1.800	2.759	5.7	20.2
2 11	9 39.93	+ 8 28.9	1.783	2.766	2.1	20.0
2 21	9 31.60	+ 9 27.3	1.794	2.772	3.8	20.1
3 2	9 24.12	+10 25.0	1.835	2.779	7.7	20.4
3 12	9 18.34	+11 16.7	1.901	2.785	11.3	20.6
3 22	9 14.78	+11 58.8	1.990	2.791	14.4	20.8

496466 2014 SJ_{112} 2 11.9 260°.25 1°.7/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 2.92	+ 7 12.7	1.708	2.545	14.2	22.6
1 22	9 57.40	+ 7 40.0	1.617	2.528	10.5	22.3
2 1	9 49.53	+ 8 24.0	1.550	2.512	6.2	22.0
2 11	9 40.09	+ 9 20.7	1.510	2.494	2.0	21.7
2 21	9 30.17	+10 24.1	1.498	2.477	4.3	21.8
3 2	9 21.02	+11 27.1	1.515	2.459	9.0	22.1
3 12	9 13.80	+12 23.2	1.557	2.440	13.4	22.3
3 22	9 9.24	+13 8.1	1.619	2.422	17.2	22.5

166622 Sebastien 2 11.9 156°.54 4°.2/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.80	+ 0 2.2	2.399	3.191	12.1	19.7
1 22	9 55.89	− 0 19.2	2.319	3.195	9.5	19.6
2 1	9 48.40	− 0 26.3	2.263	3.198	6.7	19.4
2 11	9 39.97	− 0 19.7	2.236	3.200	4.5	19.3
2 21	9 31.39	− 0 1.7	2.239	3.203	4.7	19.3
3 2	9 23.47	+ 0 24.6	2.270	3.206	7.0	19.4
3 12	9 16.95	+ 0 54.9	2.329	3.208	9.7	19.6
3 22	9 12.29	+ 1 25.3	2.412	3.210	12.3	19.8

93524 2000 UQ 2 11.9 110°.32 2°.6/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.42	+19 34.8	1.973	2.830	11.7	19.8
1 22	9 57.30	+20 21.3	1.913	2.839	8.2	19.6
2 1	9 49.22	+21 10.4	1.880	2.847	4.6	19.4
2 11	9 40.04	+21 55.8	1.875	2.856	2.6	19.3
2 21	9 30.79	+22 31.9	1.899	2.864	5.3	19.5
3 2	9 22.52	+22 54.9	1.952	2.872	8.9	19.7
3 12	9 16.09	+23 3.4	2.029	2.880	12.2	20.0
3 22	9 12.03	+22 57.9	2.128	2.888	14.9	20.2

111645 2002 AK_{170} 2 11.9 226°.44 0°.7/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.39	+14 52.3	2.742	3.585	9.3	20.3
1 22	9 54.11	+15 23.9	2.659	3.578	6.5	20.1
2 1	9 47.42	+16 0.6	2.603	3.571	3.5	19.9
2 11	9 39.89	+16 38.8	2.577	3.563	0.7	19.6
2 21	9 32.18	+17 14.6	2.583	3.556	3.3	19.8
3 2	9 25.04	+17 44.9	2.618	3.548	6.4	20.0
3 12	9 19.10	+18 7.1	2.680	3.540	9.3	20.2
3 22	9 14.82	+18 20.1	2.766	3.531	11.7	20.4

162524 2000 QT_{125} 2 11.9 164°.14 0°.8/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.52	+10 40.6	1.806	2.645	13.5	20.5
1 22	9 59.63	+10 52.5	1.735	2.649	9.7	20.2
2 1	9 50.55	+11 14.8	1.689	2.654	5.4	20.0
2 11	9 40.17	+11 43.4	1.671	2.657	1.1	19.7
2 21	9 29.64	+12 13.3	1.683	2.660	4.1	19.9
3 2	9 20.12	+12 40.0	1.723	2.663	8.5	20.2
3 12	9 12.60	+12 59.8	1.790	2.665	12.4	20.4
3 22	9 7.67	+13 10.8	1.878	2.666	15.7	20.7

107122 2001 AE_{41} 2 11.9 55°.54 0°.2/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.98	+11 48.0	1.336	2.195	16.1	19.1
1 22	9 58.86	+12 10.3	1.288	2.213	11.4	18.9
2 1	9 50.19	+12 45.0	1.263	2.231	6.2	18.6
2 11	9 40.13	+13 25.6	1.263	2.250	0.7	18.3
2 21	9 30.13	+14 5.0	1.290	2.268	4.9	18.6
3 2	9 21.58	+14 37.3	1.344	2.288	9.9	19.0
3 12	9 15.57	+14 58.4	1.421	2.307	14.3	19.3
3 22	9 12.57	+15 6.9	1.517	2.326	17.8	19.6

519955 2013 SR_{101} 2 11.9 63°.03 6°.3/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 3.42	+31 17.3	2.076	2.935	11.2	20.7
1 22	9 57.38	+32 28.7	2.027	2.941	8.6	20.6
2 1	9 49.30	+33 32.8	2.004	2.948	6.6	20.5
2 11	9 40.06	+34 21.9	2.008	2.954	6.6	20.5
2 21	9 30.75	+34 50.8	2.040	2.961	8.4	20.6
3 2	9 22.50	+34 57.3	2.098	2.968	10.9	20.8
3 12	9 16.19	+34 42.5	2.179	2.975	13.4	20.9
3 22	9 12.35	+34 9.6	2.279	2.982	15.6	21.1

364206 2006 QC_{114} 2 11.9 236°.69 4°.5/14.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.30	+ 1 51.1	1.983	2.786	13.9	20.9
1 22	9 59.52	+ 1 19.8	1.888	2.773	10.8	20.7
2 1	9 50.57	+ 1 3.2	1.818	2.760	7.4	20.4
2 11	9 40.20	+ 1 1.3	1.776	2.745	4.8	20.2
2 21	9 29.43	+ 1 12.2	1.763	2.731	5.3	20.2
3 2	9 19.38	+ 1 32.4	1.779	2.716	8.5	20.4
3 12	9 11.06	+ 1 57.2	1.822	2.700	12.0	20.6
3 22	9 5.16	+ 2 22.0	1.887	2.684	15.3	20.8

430330 2013 YH_{37} 2 11.9 45°.85 6°.8/18.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 58.37	− 8 29.8	2.141	2.900	14.4	21.2
1 22	9 53.65	− 8 41.0	2.064	2.905	12.0	21.0
2 1	9 47.27	− 8 29.3	2.008	2.910	9.4	20.9
2 11	9 39.89	− 7 54.6	1.978	2.915	7.4	20.7
2 21	9 32.34	− 6 59.7	1.975	2.921	6.9	20.7
3 2	9 25.50	− 5 49.6	1.999	2.926	8.3	20.8
3 12	9 20.13	− 4 31.2	2.050	2.932	10.7	21.0
3 22	9 16.74	− 3 11.6	2.123	2.938	13.2	21.1

338907 2004 DJ_{27} 2 11.9 298°.11 2°.7/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.23	+21 20.2	2.164	3.020	10.9	20.5
1 22	9 57.12	+21 45.8	2.090	3.015	7.7	20.2
2 1	9 49.14	+22 12.0	2.044	3.010	4.4	20.0
2 11	9 40.07	+22 33.5	2.026	3.005	2.7	19.9
2 21	9 30.85	+22 46.2	2.037	3.001	5.1	20.1
3 2	9 22.49	+22 47.2	2.077	2.996	8.5	20.3
3 12	9 15.82	+22 35.7	2.142	2.992	11.7	20.4
3 22	9 11.38	+22 12.5	2.229	2.987	14.4	20.6

450217 2002 RE_{268} 2 11.9 220°.07 1°.5/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.58	+ 6 40.9	1.704	2.537	14.5	22.3
1 22	9 58.57	+ 7 25.6	1.618	2.528	10.7	22.0
2 1	9 50.16	+ 8 28.5	1.556	2.518	6.2	21.7
2 11	9 40.19	+ 9 44.8	1.522	2.507	1.9	21.4
2 21	9 29.78	+11 7.1	1.518	2.496	4.3	21.6
3 2	9 20.21	+12 27.2	1.541	2.483	9.1	21.8
3 12	9 12.63	+13 38.1	1.591	2.470	13.4	22.0
3 22	9 7.75	+14 35.2	1.662	2.456	17.1	22.3

151571 2002 TC_{223} 2 11.9 132°.21 4°.3/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 9.01	+22 5.7	1.466	2.330	14.6	20.6
1 22	10 1.82	+23 1.7	1.411	2.338	10.4	20.4
2 1	9 51.87	+23 58.4	1.380	2.346	6.2	20.1
2 11	9 40.33	+24 46.4	1.376	2.354	4.4	20.0
2 21	9 28.72	+25 17.9	1.400	2.361	7.4	20.2
3 2	9 18.59	+25 29.1	1.450	2.367	11.6	20.5
3 12	9 11.10	+25 19.8	1.524	2.374	15.5	20.7
3 22	9 6.86	+24 53.1	1.615	2.380	18.8	21.0

490012 2008 SC_{238} 2 11.9 142°.72 1°.2/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 1.38	+15 37.8	2.207	3.056	10.9	21.6
1 22	9 55.74	+16 20.4	2.139	3.061	7.7	21.4
2 1	9 48.37	+17 8.8	2.097	3.066	4.1	21.2
2 11	9 40.01	+17 57.8	2.085	3.071	1.2	21.0
2 21	9 31.53	+18 42.3	2.103	3.075	4.1	21.2
3 2	9 23.83	+19 18.1	2.150	3.079	7.7	21.5
3 12	9 17.70	+19 42.7	2.223	3.083	10.9	21.7
3 22	9 13.62	+19 55.2	2.318	3.086	13.6	21.9

7353 Kazuya 2 11.9 166°.78 0°.8/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.45	+11 13.7	2.165	2.996	11.8	17.1
1 22	9 59.29	+11 12.4	2.090	3.001	8.5	16.9
2 1	9 50.28	+11 18.6	2.041	3.005	4.8	16.6
2 11	9 40.19	+11 29.4	2.022	3.008	1.0	16.4
2 21	9 29.98	+11 41.4	2.034	3.011	3.6	16.6
3 2	9 20.63	+11 51.4	2.076	3.013	7.4	16.8
3 12	9 12.99	+11 57.0	2.145	3.015	10.8	17.0
3 22	9 7.57	+11 56.5	2.237	3.016	13.7	17.2

353463 2011 SP 2 11.9 186°.89 0°.6/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.85	+10 31.6	1.845	2.683	13.3	22.1
1 22	9 59.20	+10 58.1	1.768	2.683	9.6	21.9
2 1	9 50.37	+11 36.0	1.717	2.682	5.3	21.7
2 11	9 40.21	+12 20.5	1.694	2.681	0.9	21.3
2 21	9 29.80	+13 6.1	1.701	2.679	4.1	21.6
3 2	9 20.32	+13 47.3	1.737	2.676	8.5	21.8
3 12	9 12.77	+14 19.8	1.799	2.672	12.4	22.1
3 22	9 7.77	+14 41.6	1.883	2.668	15.7	22.3

217846 2001 OO_{110} 2 11.9 170°.34 3°.2/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 1.71	+ 1 48.9	2.202	3.007	12.6	20.9
1 22	9 55.97	+ 2 8.5	2.122	3.011	9.6	20.7
2 1	9 48.51	+ 2 44.5	2.068	3.014	6.3	20.5
2 11	9 40.03	+ 3 34.2	2.041	3.016	3.5	20.3
2 21	9 31.37	+ 4 33.4	2.045	3.018	4.0	20.3
3 2	9 23.43	+ 5 36.6	2.078	3.020	7.1	20.5
3 12	9 16.98	+ 6 38.3	2.139	3.021	10.3	20.7
3 22	9 12.56	+ 7 34.1	2.223	3.021	13.2	20.9

121085 1999 FA_{18} 2 11.9 282°.48 0°.1/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.37	+11 55.6	1.512	2.367	14.7	20.3
1 22	9 58.02	+12 30.9	1.425	2.348	10.6	20.0
2 1	9 50.01	+13 20.1	1.361	2.330	5.8	19.7
2 11	9 40.19	+14 17.5	1.324	2.310	0.5	19.2
2 21	9 29.83	+15 15.4	1.314	2.291	5.0	19.5
3 2	9 20.36	+16 6.4	1.331	2.272	10.3	19.8
3 12	9 13.10	+16 44.7	1.372	2.253	15.0	20.0
3 22	9 8.85	+17 7.8	1.432	2.234	19.0	20.2

341375 2007 TW_{108} 2 11.9 62°.81 3°.8/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 59.31	+ 0 40.8	2.113	2.920	13.0	20.4
1 22	9 54.28	+ 0 46.5	2.043	2.929	10.0	20.2
2 1	9 47.59	+ 1 9.3	1.996	2.938	6.8	20.1
2 11	9 39.95	+ 1 46.9	1.977	2.948	4.2	19.9
2 21	9 32.19	+ 2 35.6	1.987	2.958	4.4	19.9
3 2	9 25.20	+ 3 30.2	2.025	2.967	7.2	20.1
3 12	9 19.71	+ 4 25.2	2.089	2.977	10.3	20.3
3 22	9 16.21	+ 5 16.0	2.177	2.987	13.1	20.5

446934 2002 XZ_{35} 2 11.9 20°.22 8°.3/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.59	+27 27.4	1.064	1.951	16.9	20.2
1 22	9 59.48	+29 4.6	1.022	1.956	12.6	20.0
2 1	9 50.88	+30 36.4	1.001	1.961	9.1	19.8
2 11	9 40.25	+31 47.5	1.004	1.967	8.7	19.8
2 21	9 29.55	+32 27.1	1.029	1.975	11.7	20.0
3 2	9 20.75	+32 31.1	1.077	1.983	15.8	20.2
3 12	9 15.28	+32 2.8	1.143	1.991	19.7	20.5
3 22	9 13.67	+31 8.6	1.224	2.001	23.0	20.7

472714 2015 FF_{45} 2 11.9 314°.05 1°.7/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 0.09	+17 35.0	2.245	3.100	10.6	21.3
1 22	9 54.88	+18 9.5	2.168	3.093	7.4	21.1
2 1	9 47.94	+18 48.2	2.118	3.087	4.0	20.8
2 11	9 39.99	+19 26.1	2.097	3.081	1.7	20.7
2 21	9 31.85	+19 58.8	2.106	3.075	4.3	20.8
3 2	9 24.43	+20 22.5	2.143	3.070	7.8	21.0
3 12	9 18.52	+20 34.9	2.205	3.064	11.0	21.2
3 22	9 14.64	+20 35.6	2.290	3.059	13.8	21.4

35580 1998 HK_{39} 2 11.9 239°.25 2°.5/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 3.14	+19 27.8	2.002	2.859	11.6	18.4
1 22	9 57.22	+20 10.9	1.928	2.854	8.2	18.2
2 1	9 49.28	+20 57.2	1.880	2.848	4.6	17.9
2 11	9 40.11	+21 40.6	1.861	2.842	2.6	17.8
2 21	9 30.73	+22 15.5	1.871	2.836	5.3	18.0
3 2	9 22.22	+22 37.9	1.909	2.830	9.0	18.2
3 12	9 15.50	+22 45.9	1.972	2.824	12.4	18.4
3 22	9 11.14	+22 39.9	2.056	2.818	15.3	18.6

348821 2006 RA_{38} 2 11.9 119°.24 6°.6/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 6.71	+37 2.8	2.580	3.417	10.0	20.9
1 22	9 59.39	+37 52.7	2.534	3.427	8.0	20.8
2 1	9 50.27	+38 31.6	2.515	3.436	6.8	20.7
2 11	9 40.20	+38 53.7	2.524	3.446	6.8	20.7
2 21	9 30.18	+38 55.8	2.561	3.455	8.1	20.8
3 2	9 21.19	+38 37.3	2.625	3.464	10.0	20.9
3 12	9 14.03	+38 0.2	2.712	3.473	12.0	21.1
3 22	9 9.14	+37 8.0	2.819	3.481	13.7	21.2

133907 2004 RX_{107} 2 11.9 99°.92 2°.7/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 4.28	+ 4 16.4	1.572	2.402	15.6	20.3
1 22	9 58.15	+ 4 45.4	1.515	2.420	11.6	20.1
2 1	9 49.79	+ 5 33.9	1.480	2.437	7.1	19.9
2 11	9 40.16	+ 6 36.9	1.473	2.454	3.1	19.7
2 21	9 30.48	+ 7 47.5	1.493	2.471	4.5	19.8
3 2	9 21.96	+ 8 57.8	1.542	2.487	8.7	20.1
3 12	9 15.59	+10 1.1	1.615	2.503	12.8	20.4
3 22	9 11.90	+10 53.0	1.710	2.518	16.2	20.6

310342 2011 UW_{206} 2 11.9 194°.20 1°.4/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 5.10	+14 55.5	1.910	2.759	12.4	21.3
1 22	9 58.68	+15 49.7	1.835	2.757	8.8	21.0
2 1	9 50.10	+16 52.2	1.785	2.754	4.7	20.8
2 11	9 40.20	+17 56.5	1.765	2.750	1.4	20.5
2 21	9 30.03	+18 55.8	1.775	2.746	4.8	20.7
3 2	9 20.75	+19 44.3	1.813	2.741	8.9	21.0
3 12	9 13.34	+20 18.8	1.877	2.735	12.7	21.2
3 22	9 8.43	+20 38.3	1.962	2.729	15.8	21.4

81758 2000 JZ_{59} 2 11.9 343°.90 1°.5/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 1.94	+16 16.9	1.250	2.126	15.8	18.6
1 22	9 57.23	+16 32.7	1.180	2.114	11.3	18.3
2 1	9 49.62	+16 56.6	1.133	2.104	6.1	18.0
2 11	9 40.16	+17 22.0	1.109	2.095	1.5	17.6
2 21	9 30.35	+17 41.7	1.111	2.087	5.9	17.9
3 2	9 21.82	+17 50.2	1.137	2.081	11.4	18.2
3 12	9 15.91	+17 44.6	1.185	2.075	16.2	18.4
3 22	9 13.33	+17 24.7	1.252	2.071	20.3	18.7

452337 2001 RB_{22} 2 11.9 124°.94 1°.1/12.9 15

1 12	10 6.23	+ 7 59.7	1.867	2.696	13.5	22.9
1 22	9 59.25	+ 8 39.9	1.808	2.717	9.8	22.7
2 1	9 50.28	+ 9 33.4	1.776	2.738	5.5	22.5
2 11	9 40.21	+10 34.9	1.772	2.757	1.4	22.2
2 21	9 30.11	+11 38.1	1.798	2.775	3.8	22.4
3 2	9 21.07	+12 36.9	1.854	2.793	8.0	22.7
3 12	9 13.97	+13 26.6	1.936	2.809	11.7	23.0
3 22	9 9.31	+14 4.8	2.041	2.825	14.7	23.2

381941 2010 CM_{203} 2 11.9 292°.22 1°.7/10.7 17

1 12	10 2.55	+18 21.1	2.173	3.026	10.9	20.6
1 22	9 56.69	+18 41.1	2.091	3.015	7.7	20.3
2 1	9 48.96	+19 4.1	2.036	3.004	4.2	20.1
2 11	9 40.10	+19 25.5	2.009	2.993	1.7	19.9
2 21	9 31.03	+19 41.1	2.012	2.983	4.5	20.1
3 2	9 22.73	+19 47.8	2.044	2.972	8.1	20.3
3 12	9 16.05	+19 43.9	2.102	2.961	11.5	20.5
3 22	9 11.55	+19 29.3	2.182	2.951	14.3	20.7

384254 2009 EY_{14} 2 11.9 40°.35 0°.6/11.6 18

1 12	10 0.50	+13 50.7	1.907	2.761	12.2	20.9
1 22	9 55.23	+14 21.1	1.850	2.773	8.6	20.7
2 1	9 48.13	+14 59.1	1.818	2.786	4.6	20.5
2 11	9 40.02	+15 39.5	1.813	2.800	0.6	20.2
2 21	9 31.87	+16 17.1	1.838	2.814	4.0	20.5
3 2	9 24.66	+16 47.5	1.891	2.828	8.0	20.8
3 12	9 19.20	+17 7.9	1.969	2.842	11.5	21.0
3 22	9 15.97	+17 17.0	2.068	2.857	14.4	21.3

309797 2009 BN_{38} 2 11.9 267°.51 1°.3/11.1 18

1 12	10 3.93	+14 43.6	1.636	2.493	13.7	20.9
1 22	9 58.26	+15 28.1	1.551	2.477	9.8	20.7
2 1	9 50.07	+16 22.9	1.492	2.461	5.2	20.4
2 11	9 40.22	+17 21.3	1.459	2.445	1.3	20.0
2 21	9 29.92	+18 15.9	1.455	2.428	5.2	20.3
3 2	9 20.51	+18 59.9	1.478	2.412	10.1	20.5
3 12	9 13.21	+19 29.1	1.525	2.395	14.4	20.7
3 22	9 8.75	+19 42.4	1.592	2.378	18.1	20.9

459696 2013 NW_{20} 2 11.9 15°.46 6°.4/14.6 18

1 12	10 9.50	+ 1 26.3	1.581	2.391	16.5	19.9
1 22	10 2.03	− 0 0.2	1.508	2.392	13.0	19.6
2 1	9 52.00	− 1 11.2	1.458	2.394	9.4	19.4
2 11	9 40.40	− 2 4.1	1.434	2.397	6.7	19.3
2 21	9 28.53	− 2 38.4	1.439	2.400	7.2	19.3
3 2	9 17.79	− 2 56.0	1.471	2.403	10.3	19.5
3 12	9 9.36	− 3 1.5	1.527	2.406	13.9	19.7
3 22	9 3.88	− 3 0.4	1.605	2.410	17.1	19.9

27372 Ujifusa 2 11.9 257°.26 0°.0/12.0 18

1 12	10 0.65	+12 11.1	2.294	3.135	10.9	19.7
1 22	9 55.27	+12 37.5	2.207	3.125	7.8	19.4
2 1	9 48.19	+13 12.1	2.147	3.113	4.2	19.2
2 11	9 40.04	+13 51.1	2.115	3.102	0.4	18.9
2 21	9 31.65	+14 30.1	2.114	3.090	3.5	19.1
3 2	9 23.91	+15 4.9	2.142	3.079	7.2	19.3
3 12	9 17.60	+15 32.2	2.197	3.067	10.6	19.5
3 22	9 13.26	+15 50.1	2.274	3.055	13.5	19.7

467517 2007 FQ_{12} 2 11.9 329°.17 3°.1/13.7 17

1 12	10 1.54	+ 6 33.1	1.497	2.341	15.5	20.7
1 22	9 56.62	+ 6 14.5	1.414	2.326	11.7	20.4
2 1	9 49.20	+ 6 11.3	1.353	2.312	7.3	20.1
2 11	9 40.15	+ 6 21.8	1.317	2.298	3.5	19.8
2 21	9 30.67	+ 6 42.2	1.308	2.285	5.0	19.9
3 2	9 22.12	+ 7 7.4	1.325	2.273	9.5	20.1
3 12	9 15.70	+ 7 31.8	1.365	2.262	14.0	20.3
3 22	9 12.15	+ 7 50.9	1.426	2.251	17.9	20.6

467765 2009 VU_{6} 2 11.9 20°.28 2°.6/13.8 18

1 12	10 0.72	+ 6 5.3	1.605	2.446	14.8	21.4
1 22	9 55.71	+ 6 11.2	1.539	2.450	11.0	21.2
2 1	9 48.53	+ 6 33.6	1.495	2.454	6.7	20.9
2 11	9 40.07	+ 7 9.0	1.478	2.460	2.9	20.7
2 21	9 31.45	+ 7 52.2	1.487	2.465	4.4	20.8
3 2	9 23.83	+ 8 37.2	1.524	2.472	8.6	21.1
3 12	9 18.21	+ 9 18.0	1.586	2.478	12.6	21.3
3 22	9 15.15	+ 9 50.6	1.668	2.486	16.1	21.6

503043 2015 FD_{152} 2 12.0 206°.91 1°.6/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 0.23	+18 19.7	2.656	3.506	9.3	21.7
1 22	9 54.75	+18 54.6	2.580	3.503	6.5	21.5
2 1	9 47.81	+19 32.3	2.532	3.500	3.5	21.3
2 11	9 40.01	+20 8.7	2.514	3.497	1.7	21.1
2 21	9 32.08	+20 39.8	2.526	3.494	3.9	21.3
3 2	9 24.76	+21 2.6	2.568	3.490	7.0	21.5
3 12	9 18.75	+21 15.2	2.637	3.487	9.7	21.7
3 22	9 14.48	+21 17.4	2.728	3.483	12.1	21.8

152885 2000 CG_{15} 2 12.0 122°.46 0°.1/11.9 18

1 12	10 5.66	+10 25.2	1.620	2.465	14.5	20.2
1 22	9 59.15	+11 26.7	1.563	2.482	10.3	20.0
2 1	9 50.35	+12 41.7	1.531	2.498	5.5	19.8
2 11	9 40.26	+14 2.9	1.527	2.513	0.5	19.4
2 21	9 30.09	+15 21.7	1.552	2.528	4.5	19.8
3 2	9 21.09	+16 30.8	1.605	2.542	9.2	20.1
3 12	9 14.27	+17 25.3	1.684	2.556	13.2	20.3
3 22	9 10.17	+18 3.4	1.784	2.569	16.5	20.6

292125 2006 RW_{71} 2 12.0 142°.17 2°.3/14.4 17

1 12	9 58.32	+ 3 34.5	2.557	3.368	10.9	21.4
1 22	9 53.40	+ 4 1.0	2.479	3.373	8.2	21.2
2 1	9 47.09	+ 4 40.5	2.427	3.378	5.2	21.0
2 11	9 39.96	+ 5 30.5	2.404	3.382	2.6	20.8
2 21	9 32.70	+ 6 26.9	2.411	3.387	3.2	20.9
3 2	9 26.04	+ 7 25.3	2.448	3.391	6.1	21.1
3 12	9 20.61	+ 8 21.1	2.513	3.395	9.0	21.3
3 22	9 16.84	+ 9 11.0	2.603	3.398	11.6	21.4

22308 1990 UO_{4} 2 12.0 182°.23 3°.7/15.7 18

1 12	9 59.85	− 0 41.4	2.375	3.168	12.2	19.0
1 22	9 54.60	− 0 20.6	2.291	3.169	9.5	18.8
2 1	9 47.79	+ 0 17.4	2.231	3.169	6.5	18.6
2 11	9 40.03	+ 1 10.5	2.200	3.168	4.1	18.5
2 21	9 32.08	+ 2 14.7	2.198	3.168	4.2	18.5
3 2	9 24.75	+ 3 25.0	2.226	3.167	6.8	18.6
3 12	9 18.77	+ 4 35.5	2.282	3.165	9.7	18.8
3 22	9 14.62	+ 5 41.5	2.362	3.163	12.4	19.0

261514 2005 WJ_{61} 2 12.0 26°.06 5°.9/ 8.0 18

1 12	10 5.67	+27 37.1	1.640	2.506	13.2	20.0
1 22	9 59.34	+28 32.5	1.586	2.510	9.7	19.8
2 1	9 50.52	+29 22.8	1.556	2.513	6.8	19.7
2 11	9 40.28	+29 59.2	1.553	2.517	6.1	19.6
2 21	9 29.97	+30 15.4	1.576	2.521	8.4	19.8
3 2	9 20.98	+30 9.1	1.626	2.525	11.8	20.0
3 12	9 14.37	+29 41.4	1.698	2.530	15.0	20.2
3 22	9 10.70	+28 56.1	1.789	2.535	17.8	20.4

274457 2008 SA_{62} 2 12.0 209°.57 2°.9/14.8 17

1 12	9 59.61	+ 1 44.5	2.244	3.052	12.3	21.9
1 22	9 54.54	+ 2 18.4	2.158	3.048	9.4	21.7
2 1	9 47.80	+ 3 9.4	2.096	3.044	6.1	21.5
2 11	9 40.03	+ 4 14.7	2.063	3.039	3.3	21.3
2 21	9 32.03	+ 5 29.4	2.060	3.034	3.8	21.3
3 2	9 24.66	+ 6 47.5	2.086	3.029	6.9	21.5
3 12	9 18.69	+ 8 3.1	2.140	3.023	10.2	21.7
3 22	9 14.66	+ 9 11.4	2.217	3.017	13.2	21.9

30911 1993 FY_{75} 2 12.0 211°.20 2°.8/14.1 18

1 12	10 4.26	+ 4 13.2	1.849	2.669	14.0	20.2
1 22	9 58.16	+ 4 31.5	1.763	2.663	10.6	19.9
2 1	9 49.89	+ 5 7.2	1.702	2.656	6.6	19.7
2 11	9 40.24	+ 5 57.1	1.668	2.648	3.2	19.4
2 21	9 30.24	+ 6 56.3	1.664	2.640	4.3	19.5
3 2	9 21.04	+ 7 58.2	1.688	2.631	8.3	19.7
3 12	9 13.67	+ 8 56.7	1.738	2.621	12.3	19.9
3 22	9 8.77	+ 9 47.0	1.811	2.610	15.7	20.1

437498 2013 YA_{72} 2 12.0 19°.27 6°.4/ 7.1 18

1 12	10 2.62	+29 23.5	1.733	2.601	12.5	20.0
1 22	9 57.09	+30 28.4	1.685	2.607	9.4	19.8
2 1	9 49.26	+31 26.8	1.662	2.614	6.9	19.7
2 11	9 40.16	+32 10.0	1.665	2.622	6.6	19.7
2 21	9 31.03	+32 32.3	1.695	2.630	8.7	19.8
3 2	9 23.12	+32 31.2	1.750	2.639	11.7	20.0
3 12	9 17.41	+32 8.1	1.827	2.648	14.6	20.2
3 22	9 14.41	+31 26.4	1.923	2.658	17.1	20.4

409889 2006 SV_{393} 2 12.0 144°.80 1°.9/13.8 18

1 12	10 2.69	+ 5 15.2	2.215	3.032	12.1	22.0
1 22	9 56.62	+ 5 49.0	2.145	3.044	8.9	21.8
2 1	9 48.86	+ 6 36.7	2.100	3.056	5.4	21.6
2 11	9 40.13	+ 7 34.4	2.085	3.067	2.2	21.4
2 21	9 31.30	+ 8 37.1	2.100	3.077	3.5	21.5
3 2	9 23.23	+ 9 39.3	2.145	3.086	6.9	21.7
3 12	9 16.71	+10 36.3	2.218	3.095	10.2	21.9
3 22	9 12.21	+11 24.7	2.315	3.103	13.1	22.1