342296 2008 TK_{45} 7 26.9 357.°89 7.°1/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 49.79	−31 27.0	1.223	2.110	17.8	19.8
6 30	20 47.15	−32 25.5	1.163	2.105	14.1	19.5
7 10	20 41.17	−33 22.1	1.123	2.102	10.2	19.3
7 20	20 32.63	−34 7.5	1.103	2.100	7.4	19.2
7 30	20 22.94	−34 33.2	1.106	2.100	7.8	19.2
8 9	20 13.84	−34 34.3	1.131	2.101	11.0	19.4
8 19	20 6.85	−34 11.1	1.177	2.103	14.9	19.6
8 29	20 3.06	−33 27.2	1.241	2.106	18.5	19.8

461860 2006 HE_{32} 7 26.9 32.°67 0.°1/26.9 17

6 20	20 49.42	−15 32.1	1.074	1.953	20.2	20.5
6 30	20 46.66	−16 14.9	1.022	1.963	15.6	20.3
7 10	20 40.72	−17 14.7	0.989	1.975	10.2	20.0
7 20	20 32.40	−18 25.5	0.976	1.987	4.3	19.7
7 30	20 23.07	−19 38.7	0.985	2.000	1.8	19.6
8 9	20 14.39	−20 45.6	1.018	2.013	7.7	20.0
8 19	20 7.75	−21 40.0	1.072	2.028	13.0	20.3
8 29	20 4.18	−22 18.9	1.146	2.043	17.5	20.7

88048 2000 VO_{13} 7 26.9 177.°72 2.°0/25.5 18

6 20	20 50.20	−23 25.8	2.567	3.408	11.1	19.9
6 30	20 45.57	−24 7.1	2.488	3.410	8.4	19.7
7 10	20 39.22	−24 51.5	2.432	3.410	5.5	19.5
7 20	20 31.61	−25 35.4	2.404	3.411	2.7	19.4
7 30	20 23.41	−26 15.0	2.403	3.411	2.5	19.3
8 9	20 15.41	−26 47.1	2.432	3.411	5.2	19.5
8 19	20 8.34	−27 10.0	2.487	3.411	8.2	19.7
8 29	20 2.83	−27 23.0	2.567	3.410	10.8	19.9

387303 2012 VP_{28} 7 26.9 195.°03 1.°2/27.7 16

6 20	20 51.82	−14 51.5	2.078	2.909	13.6	22.0
6 30	20 47.08	−14 53.7	1.995	2.908	10.6	21.8
7 10	20 40.34	−15 4.1	1.934	2.907	7.1	21.6
7 20	20 32.12	−15 21.2	1.899	2.905	3.4	21.3
7 30	20 23.20	−15 42.1	1.890	2.904	1.6	21.2
8 9	20 14.52	−16 4.0	1.910	2.902	5.1	21.4
8 19	20 6.94	−16 24.4	1.956	2.899	8.8	21.7
8 29	20 1.21	−16 41.2	2.026	2.897	12.1	21.9

254168 2004 QM_{10} 7 26.9 6.°66 11.°0/21.9 18 R

6 20	20 58.86	−46 21.8	1.703	2.540	15.9	19.2
6 30	20 53.69	−47 21.7	1.651	2.541	13.8	19.1
7 10	20 45.14	−48 6.4	1.618	2.543	12.0	19.0
7 20	20 34.19	−48 27.2	1.607	2.546	11.1	18.9
7 30	20 22.35	−48 17.6	1.619	2.549	11.5	19.0
8 9	20 11.39	−47 36.4	1.652	2.553	13.0	19.1
8 19	20 2.75	−46 27.4	1.707	2.558	15.0	19.2
8 29	19 57.35	−44 56.9	1.781	2.564	17.1	19.4

164067 2003 WH_{65} 7 26.9 269.°63 1.°3/27.7 18

6 20	20 50.55	−14 25.7	1.908	2.746	14.4	20.6
6 30	20 46.29	−14 33.2	1.827	2.744	11.3	20.4
7 10	20 39.92	−14 50.5	1.769	2.743	7.6	20.2
7 20	20 31.97	−15 15.6	1.734	2.741	3.6	19.9
7 30	20 23.27	−15 45.5	1.726	2.740	1.6	19.8
8 9	20 14.81	−16 16.4	1.746	2.738	5.4	20.0
8 19	20 7.53	−16 45.3	1.791	2.737	9.3	20.3
8 29	20 2.22	−17 9.7	1.859	2.735	12.8	20.5

62827 2000 UX_{50} 7 26.9 353.°39 9.°5/30.6 18

6 20	20 48.00	− 1 42.4	1.347	2.170	20.1	17.5
6 30	20 45.06	− 0 19.1	1.275	2.164	17.1	17.3
7 10	20 39.49	+ 0 44.7	1.221	2.160	13.8	17.1
7 20	20 31.89	+ 1 24.5	1.186	2.156	10.9	16.9
7 30	20 23.29	+ 1 37.5	1.173	2.154	9.5	16.8
8 9	20 14.97	+ 1 24.8	1.182	2.152	10.6	16.9
8 19	20 8.14	+ 0 50.8	1.213	2.152	13.4	17.1
8 29	20 3.79	+ 0 2.5	1.263	2.153	16.7	17.3

350939 2002 UB_{37} 7 26.9 285.°24 0.°8/27.4 18

6 20	20 50.85	−16 4.5	1.981	2.821	13.9	21.4
6 30	20 46.66	−16 8.4	1.882	2.800	10.9	21.2
7 10	20 40.28	−16 20.6	1.803	2.779	7.3	20.9
7 20	20 32.18	−16 39.2	1.750	2.758	3.3	20.6
7 30	20 23.15	−17 1.2	1.723	2.737	1.4	20.5
8 9	20 14.18	−17 23.5	1.723	2.716	5.5	20.7
8 19	20 6.27	−17 43.3	1.750	2.694	9.6	20.9
8 29	20 0.28	−17 58.5	1.799	2.673	13.3	21.1

508370 2016 ES_{215} 7 26.9 134.°12 0.°8/26.5 17

6 20	20 52.87	−17 28.3	1.521	2.377	16.6	20.8
6 30	20 48.65	−18 18.1	1.452	2.380	12.8	20.5
7 10	20 41.75	−19 20.0	1.402	2.384	8.3	20.3
7 20	20 32.81	−20 28.6	1.377	2.387	3.4	20.0
7 30	20 22.91	−21 37.1	1.377	2.390	2.0	19.9
8 9	20 13.34	−22 38.6	1.403	2.393	6.8	20.2
8 19	20 5.33	−23 28.6	1.454	2.396	11.4	20.5
8 29	19 59.85	−24 4.9	1.527	2.399	15.3	20.8

255487 2006 AT_{4} 7 26.9 179.°45 4.°9/23.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 51.48	−32 33.6	2.455	3.302	11.3	20.0
6 30	20 46.79	−33 31.5	2.384	3.302	8.9	19.9
7 10	20 40.13	−34 27.3	2.336	3.302	6.6	19.7
7 20	20 32.03	−35 15.6	2.315	3.302	5.0	19.6
7 30	20 23.26	−35 52.0	2.320	3.302	5.3	19.7
8 9	20 14.73	−36 13.4	2.353	3.302	7.3	19.8
8 19	20 7.30	−36 19.0	2.411	3.302	9.7	19.9
8 29	20 1.69	−36 9.9	2.491	3.302	12.1	20.1

140822 2001 UO_{164} 7 27.0 340.°95 5.°4/30.4 18

6 20	20 46.41	− 3 59.6	1.790	2.604	16.2	19.2
6 30	20 43.26	− 3 50.6	1.707	2.598	13.4	19.0
7 10	20 38.03	− 3 59.7	1.643	2.592	10.1	18.8
7 20	20 31.21	− 4 27.4	1.601	2.587	7.0	18.6
7 30	20 23.61	− 5 12.3	1.585	2.582	5.4	18.5
8 9	20 16.18	− 6 10.4	1.593	2.578	6.8	18.6
8 19	20 9.86	− 7 16.5	1.627	2.574	10.0	18.8
8 29	20 5.44	− 8 24.9	1.683	2.571	13.3	19.0

435210 2007 RC_{223} 7 27.0 329.°26 6.°5/30.5 18

6 20	20 45.22	− 3 27.8	1.504	2.330	18.2	20.3
6 30	20 42.84	− 3 6.7	1.415	2.313	15.2	20.0
7 10	20 38.04	− 3 6.5	1.345	2.296	11.7	19.8
7 20	20 31.32	− 3 29.0	1.295	2.281	8.3	19.5
7 30	20 23.54	− 4 13.7	1.269	2.266	6.5	19.4
8 9	20 15.85	− 5 16.5	1.266	2.251	8.1	19.4
8 19	20 9.40	− 6 31.2	1.286	2.238	11.6	19.6
8 29	20 5.18	− 7 50.4	1.328	2.226	15.4	19.8

40855 1999 TG_{108} 7 27.0 252.°80 4.°0/29.5 18

6 20	20 48.89	− 6 43.2	2.424	3.224	12.9	18.6
6 30	20 44.59	− 6 22.1	2.331	3.216	10.5	18.4
7 10	20 38.62	− 6 12.0	2.259	3.208	7.8	18.3
7 20	20 31.40	− 6 13.2	2.212	3.200	5.2	18.1
7 30	20 23.56	− 6 25.0	2.193	3.191	4.0	18.0
8 9	20 15.84	− 6 45.4	2.200	3.182	5.5	18.1
8 19	20 8.98	− 7 12.0	2.235	3.174	8.1	18.2
8 29	20 3.59	− 7 41.8	2.294	3.165	10.9	18.4

392887 2012 VD_{17} 7 27.0 275.°06 6.°9/21.7 18

6 20	20 53.52	−33 39.0	1.959	2.813	13.5	20.5
6 30	20 49.22	−35 14.3	1.876	2.796	10.9	20.3
7 10	20 42.25	−36 49.7	1.816	2.778	8.4	20.1
7 20	20 33.12	−38 16.9	1.781	2.761	6.9	20.0
7 30	20 22.77	−39 27.6	1.772	2.743	7.7	20.0
8 9	20 12.46	−40 15.8	1.788	2.725	10.1	20.1
8 19	20 3.47	−40 39.7	1.829	2.707	13.0	20.2
8 29	19 56.89	−40 40.7	1.889	2.689	15.7	20.4

344713 2003 UW_{14} 7 27.0 185.°42 0.°3/27.2 17

6 20	20 51.82	−17 11.7	1.966	2.807	14.0	21.7
6 30	20 47.22	−17 22.9	1.887	2.807	10.8	21.5
7 10	20 40.51	−17 41.6	1.830	2.807	7.1	21.3
7 20	20 32.22	−18 5.3	1.797	2.807	3.0	21.0
7 30	20 23.22	−18 30.5	1.792	2.806	1.2	20.9
8 9	20 14.48	−18 54.0	1.814	2.806	5.4	21.2
8 19	20 6.94	−19 13.2	1.862	2.805	9.2	21.4
8 29	20 1.36	−19 26.5	1.934	2.804	12.6	21.6

160567 1998 TP_{36} 7 27.0 295.°61 7.°6/31.1 18

6 20	20 48.23	+ 0 11.6	1.876	2.663	16.5	19.1
6 30	20 44.68	+ 0 50.9	1.779	2.646	14.1	18.9
7 10	20 39.02	+ 1 12.2	1.702	2.628	11.4	18.7
7 20	20 31.68	+ 1 12.9	1.646	2.610	8.9	18.5
7 30	20 23.42	+ 0 52.2	1.614	2.592	7.6	18.4
8 9	20 15.19	+ 0 11.8	1.607	2.575	8.5	18.4
8 19	20 7.97	− 0 44.2	1.624	2.557	11.0	18.5
8 29	20 2.62	− 1 50.0	1.664	2.540	14.0	18.6

478933 2012 XH_{19} 7 27.0 209.°41 3.°9/29.3 18

6 20	20 51.02	− 7 32.9	2.247	3.051	13.6	21.9
6 30	20 46.32	− 7 12.3	2.158	3.047	11.0	21.7
7 10	20 39.79	− 7 3.1	2.091	3.043	8.1	21.5
7 20	20 31.90	− 7 5.3	2.048	3.039	5.2	21.3
7 30	20 23.35	− 7 18.2	2.033	3.034	3.9	21.2
8 9	20 14.97	− 7 39.4	2.045	3.029	5.6	21.3
8 19	20 7.55	− 8 6.3	2.084	3.023	8.6	21.5
8 29	20 1.78	− 8 35.8	2.147	3.018	11.5	21.7

503045 2015 FL_{153} 7 27.0 137.°80 7.°2/ 1.1 17

6 20	20 50.09	+ 2 20.4	1.958	2.727	16.5	21.8
6 30	20 45.81	+ 2 34.8	1.881	2.733	14.0	21.7
7 10	20 39.54	+ 2 28.4	1.823	2.740	11.3	21.5
7 20	20 31.81	+ 1 59.9	1.787	2.746	8.7	21.3
7 30	20 23.41	+ 1 10.2	1.776	2.752	7.2	21.3
8 9	20 15.24	+ 0 3.0	1.791	2.757	7.9	21.3
8 19	20 8.17	− 1 16.3	1.831	2.763	10.1	21.5
8 29	20 2.93	− 2 41.2	1.895	2.768	12.8	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
487848 2015 TX_{99}			7 27.0 239°.19	2°.2/28.8 17		
	h m	° ′			°	m
6 20	20 46.81	−10 1.0	2.953	3.760	10.6	22.3
6 30	20 42.73	−10 3.3	2.856	3.751	8.5	22.1
7 10	20 37.27	−10 14.2	2.783	3.742	6.0	22.0
7 20	20 30.80	−10 32.8	2.735	3.733	3.5	21.8
7 30	20 23.84	−10 57.7	2.716	3.724	2.2	21.7
8 9	20 16.98	−11 26.7	2.726	3.714	4.1	21.8
8 19	20 10.79	−11 57.6	2.763	3.704	6.7	22.0
8 29	20 5.79	−12 28.2	2.827	3.694	9.2	22.1
471310 2011 HZ_{82}			7 27.0 35°.28	11°.1/21.3 17		
6 20	20 56.47	−40 59.3	1.394	2.257	17.4	19.8
6 30	20 52.26	−42 41.7	1.354	2.269	14.6	19.7
7 10	20 44.46	−44 12.1	1.335	2.281	12.2	19.5
7 20	20 34.01	−45 19.0	1.336	2.294	11.1	19.5
7 30	20 22.51	−45 53.6	1.360	2.308	11.7	19.6
8 9	20 11.87	−45 53.3	1.405	2.322	13.7	19.8
8 19	20 3.66	−45 21.1	1.470	2.337	16.2	20.0
8 29	19 58.90	−44 23.5	1.553	2.352	18.6	20.2
505510 2013 WP_{105}			7 27.0 244°.72	4°.4/28.4 17		
6 20	20 56.85	−10 28.1	1.936	2.749	15.2	21.1
6 30	20 51.05	− 9 23.5	1.849	2.744	12.3	20.9
7 10	20 43.00	− 8 26.6	1.783	2.740	8.9	20.6
7 20	20 33.29	− 7 38.6	1.743	2.736	5.7	20.4
7 30	20 22.79	− 7 0.6	1.730	2.731	4.5	20.4
8 9	20 12.56	− 6 32.4	1.745	2.726	6.7	20.5
8 19	20 3.58	− 6 13.1	1.786	2.722	10.0	20.7
8 29	19 56.67	− 6 1.0	1.851	2.717	13.3	20.9
115570 2003 UT_{84}			7 27.0 142°.37	4°.3/29.3 18		
6 20	20 52.51	− 7 38.4	1.592	2.417	17.4	20.5
6 30	20 48.12	− 7 30.4	1.518	2.421	14.0	20.3
7 10	20 41.29	− 7 39.5	1.464	2.425	10.1	20.1
7 20	20 32.62	− 8 5.0	1.433	2.428	6.3	19.9
7 30	20 23.08	− 8 44.5	1.426	2.432	4.3	19.8
8 9	20 13.86	− 9 33.4	1.445	2.435	6.8	19.9
8 19	20 6.05	−10 26.7	1.490	2.438	10.7	20.2
8 29	20 0.53	−11 19.2	1.556	2.440	14.4	20.4
479494 2014 AU_{41}			7 27.0 223°.03	2°.0/28.6 16		
6 20	20 49.52	− 8 11.3	1.910	2.730	15.1	21.4
6 30	20 45.59	− 9 16.4	1.825	2.729	12.0	21.2
7 10	20 39.55	−10 40.7	1.761	2.727	8.3	21.0
7 20	20 31.88	−12 20.8	1.722	2.726	4.3	20.7
7 30	20 23.37	−14 10.9	1.712	2.724	2.1	20.6
8 9	20 14.99	−16 3.5	1.729	2.722	5.4	20.8
8 19	20 7.67	−17 51.4	1.774	2.720	9.4	21.0
8 29	20 2.26	−19 28.9	1.844	2.718	13.0	21.3
520143 2014 BU_{68}			7 27.0 245°.62	0°.1/27.0 18		
6 20	20 51.44	−16 48.2	2.015	2.854	13.7	22.0
6 30	20 47.05	−17 16.2	1.923	2.842	10.6	21.8
7 10	20 40.50	−17 53.3	1.854	2.831	7.0	21.5
7 20	20 32.29	−18 36.5	1.809	2.819	3.0	21.2
7 30	20 23.21	−19 21.8	1.792	2.806	1.3	21.1
8 9	20 14.25	−20 4.8	1.803	2.794	5.5	21.4
8 19	20 6.36	−20 42.1	1.840	2.781	9.5	21.6
8 29	20 0.40	−21 11.4	1.900	2.767	13.0	21.8
173322 1999 VC_{131}			7 27.0 2°.27	7°.3/23.8 18		
6 20	20 51.15	−30 23.7	1.123	2.013	18.8	19.2
6 30	20 48.47	−31 33.6	1.067	2.011	14.8	19.0
7 10	20 42.20	−32 43.4	1.029	2.010	10.6	18.8
7 20	20 33.17	−33 42.8	1.012	2.011	7.6	18.6
7 30	20 22.87	−34 21.4	1.017	2.012	8.1	18.6
8 9	20 13.21	−34 33.6	1.044	2.015	11.5	18.8
8 19	20 5.85	−34 19.0	1.090	2.018	15.7	19.1
8 29	20 1.94	−33 41.9	1.155	2.023	19.5	19.3
151495 2002 JM_{69}			7 27.0 12°.03	10°.2/19.9 18		
6 20	20 52.10	−41 58.0	1.720	2.574	15.0	18.0
6 30	20 48.49	−43 42.8	1.672	2.578	12.7	17.8
7 10	20 41.87	−45 17.5	1.645	2.583	10.9	17.7
7 20	20 32.95	−46 32.6	1.641	2.588	10.2	17.7
7 30	20 22.99	−47 20.1	1.660	2.595	10.9	17.8
8 9	20 13.53	−47 36.7	1.701	2.602	12.7	17.9
8 19	20 5.95	−47 23.8	1.762	2.610	14.8	18.0
8 29	20 1.25	−46 45.7	1.842	2.618	16.9	18.2
339377 2005 AW_{67}			7 27.0 269°.70	1°.2/27.8 18		
6 20	20 49.74	−12 38.7	1.931	2.765	14.4	20.7
6 30	20 45.88	−13 16.0	1.834	2.749	11.4	20.4
7 10	20 39.84	−14 7.3	1.759	2.732	7.7	20.2
7 20	20 32.07	−15 10.2	1.708	2.715	3.6	19.9
7 30	20 23.34	−16 20.2	1.685	2.698	1.5	19.7
8 9	20 14.63	−17 31.7	1.689	2.681	5.6	19.9
8 19	20 6.96	−18 39.5	1.719	2.664	9.7	20.1
8 29	20 1.20	−19 39.6	1.773	2.646	13.4	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
429455 2010 VP_{189}			7 27.0 177°.74	0°.9/27.5 17		
	h m	° ′			°	m
6 20	20 54.50	−15 15.7	1.876	2.709	14.8	22.7
6 30	20 49.38	−15 27.6	1.796	2.711	11.5	22.4
7 10	20 41.99	−15 49.0	1.738	2.713	7.7	22.2
7 20	20 32.91	−16 17.3	1.706	2.713	3.5	22.0
7 30	20 23.02	−16 49.1	1.700	2.714	1.5	21.8
8 9	20 13.42	−17 20.4	1.721	2.713	5.6	22.1
8 19	20 5.09	−17 48.3	1.769	2.712	9.6	22.3
8 29	19 58.87	−18 10.6	1.841	2.711	13.2	22.6
136503 2005 JO_{146}			7 27.0 9°.03	2°.2/28.5 18		
6 20	20 46.34	− 9 56.3	1.614	2.457	16.4	19.5
6 30	20 43.43	−10 35.6	1.541	2.458	12.9	19.3
7 10	20 38.26	−11 32.8	1.488	2.460	8.9	19.0
7 20	20 31.38	−12 45.1	1.458	2.463	4.6	18.8
7 30	20 23.67	−14 7.2	1.454	2.466	2.3	18.6
8 9	20 16.22	−15 32.2	1.475	2.470	5.9	18.9
8 19	20 10.05	−16 53.5	1.522	2.475	10.1	19.1
8 29	20 5.99	−18 5.9	1.592	2.480	13.9	19.4
239140 2006 JW_{35}			7 27.0 250°.19	2°.1/25.7 18		
6 20	20 51.35	−21 58.8	1.914	2.766	13.8	20.9
6 30	20 47.10	−22 45.5	1.834	2.762	10.6	20.7
7 10	20 40.59	−23 38.3	1.776	2.757	6.9	20.5
7 20	20 32.35	−24 32.6	1.744	2.752	3.2	20.2
7 30	20 23.26	−25 22.7	1.738	2.748	2.8	20.2
8 9	20 14.38	−26 4.1	1.759	2.743	6.4	20.4
8 19	20 6.73	−26 33.8	1.806	2.738	10.2	20.6
8 29	20 1.15	−26 50.9	1.876	2.733	13.5	20.8
199094 2005 YD_{22}			7 27.0 14°.53	2°.4/25.6 17		
6 20	20 49.20	−20 7.6	1.439	2.309	16.6	19.5
6 30	20 46.04	−21 15.2	1.374	2.311	12.7	19.3
7 10	20 40.17	−22 33.7	1.329	2.314	8.2	19.0
7 20	20 32.24	−23 56.2	1.307	2.317	3.7	18.8
7 30	20 23.32	−25 14.6	1.310	2.321	3.3	18.7
8 9	20 14.75	−26 21.2	1.339	2.325	7.6	19.0
8 19	20 7.76	−27 11.7	1.391	2.330	12.0	19.3
8 29	20 3.34	−27 44.4	1.464	2.335	15.9	19.5
513769 2012 XH_{81}			7 27.0 238°.89	2°.0/28.3 18		
6 20	20 50.25	−11 38.7	2.191	3.013	13.4	22.1
6 30	20 45.90	−11 49.5	2.097	3.003	10.6	21.9
7 10	20 39.64	−12 11.4	2.025	2.993	7.3	21.6
7 20	20 31.92	−12 42.8	1.979	2.982	3.8	21.4
7 30	20 23.45	−13 21.1	1.959	2.971	2.1	21.3
8 9	20 15.09	−14 2.9	1.968	2.959	5.0	21.4
8 19	20 7.68	−14 44.7	2.004	2.948	8.6	21.6
8 29	20 1.96	−15 23.5	2.063	2.936	11.9	21.8
366467 2002 EX_{38}			7 27.0 42°.86	2°.5/26.1 17		
6 20	20 55.03	−22 56.6	1.126	2.005	19.5	20.4
6 30	20 50.89	−23 17.2	1.078	2.019	14.9	20.1
7 10	20 43.41	−23 43.1	1.048	2.034	9.7	19.9
7 20	20 33.55	−24 8.1	1.039	2.049	4.4	19.6
7 30	20 22.82	−24 25.8	1.054	2.065	3.4	19.6
8 9	20 12.96	−24 32.0	1.092	2.082	8.3	20.0
8 19	20 5.36	−24 25.5	1.152	2.099	13.1	20.3
8 29	20 0.98	−24 7.7	1.231	2.117	17.3	20.6
309675 2008 EV_{90}			7 27.0 66°.76	3°.5/24.3 18		
6 20	20 50.94	−24 59.5	2.071	2.924	12.9	19.9
6 30	20 46.52	−26 21.9	2.015	2.942	9.8	19.7
7 10	20 40.03	−27 47.4	1.983	2.961	6.6	19.5
7 20	20 32.05	−29 9.9	1.978	2.981	3.9	19.4
7 30	20 23.44	−30 23.1	2.000	3.000	4.1	19.5
8 9	20 15.16	−31 22.2	2.049	3.019	6.9	19.7
8 19	20 8.10	−32 5.0	2.125	3.038	9.9	19.9
8 29	20 2.99	−32 31.6	2.223	3.057	12.6	20.1
234638 2002 CS_{46}			7 27.0 279°.42	13°.4/18.9 18		
6 20	21 17.53	−54 23.1	1.970	2.750	16.1	20.5
6 30	21 9.16	−55 38.1	1.885	2.720	14.7	20.4
7 10	20 56.08	−56 36.2	1.820	2.689	13.7	20.2
7 20	20 39.16	−57 5.1	1.776	2.657	13.4	20.1
7 30	20 20.37	−56 54.5	1.753	2.625	13.9	20.1
8 9	20 2.34	−56 0.7	1.753	2.592	15.3	20.1
8 19	19 47.41	−54 27.7	1.773	2.559	17.2	20.2
8 29	19 37.06	−52 24.6	1.812	2.525	19.2	20.3
454979 2015 TC_{211}			7 27.0 21°.56	0°.7/26.6 18		
6 20	20 49.95	−20 29.9	2.234	3.079	12.4	21.2
6 30	20 45.56	−20 42.9	2.157	3.080	9.5	21.0
7 10	20 39.32	−21 0.3	2.102	3.082	6.2	20.8
7 20	20 31.74	−21 19.3	2.074	3.083	2.6	20.6
7 30	20 23.57	−21 36.9	2.072	3.085	1.5	20.5
8 9	20 15.66	−21 50.3	2.098	3.087	5.0	20.8
8 19	20 8.81	−21 58.0	2.151	3.089	8.4	21.0
8 29	20 3.70	−21 59.2	2.228	3.092	11.4	21.2

446227 2013 GM_{87} 7 27.0 248.°72 6.°0/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 46.56	+ 1 45.8	2.548	3.308	13.3	21.0
6 30	20 42.75	+ 1 59.9	2.456	3.303	11.3	20.8
7 10	20 37.42	+ 1 58.0	2.384	3.297	9.2	20.7
7 20	20 30.94	+ 1 39.4	2.336	3.292	7.1	20.6
7 30	20 23.90	+ 1 4.4	2.314	3.287	6.0	20.5
8 9	20 16.98	+ 0 15.3	2.318	3.281	6.6	20.5
8 19	20 10.81	− 0 44.4	2.349	3.276	8.4	20.6
8 29	20 6.00	− 1 50.4	2.404	3.270	10.6	20.8

251459 2008 CX_{180} 7 27.0 98.°36 0.°1/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.66	−19 22.1	2.214	3.052	12.7	20.4
6 30	20 47.56	−19 19.3	2.141	3.059	9.8	20.2
7 10	20 40.57	−19 20.7	2.090	3.067	6.4	20.0
7 20	20 32.25	−19 24.2	2.065	3.074	2.7	19.8
7 30	20 23.38	−19 27.4	2.067	3.081	1.2	19.7
8 9	20 14.85	−19 28.3	2.098	3.089	4.9	20.0
8 19	20 7.46	−19 25.6	2.156	3.096	8.3	20.2
8 29	20 1.86	−19 18.7	2.238	3.103	11.4	20.4

512663 2016 TS_{72} 7 27.0 332.°11 3.°1/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 50.65	−24 27.9	1.775	2.636	14.3	20.8
6 30	20 46.77	−25 17.2	1.700	2.631	11.0	20.5
7 10	20 40.47	−26 11.0	1.646	2.627	7.3	20.3
7 20	20 32.34	−27 3.8	1.617	2.623	3.9	20.1
7 30	20 23.31	−27 49.6	1.613	2.619	3.8	20.1
8 9	20 14.56	−28 23.5	1.636	2.616	7.2	20.3
8 19	20 7.15	−28 43.2	1.684	2.613	11.0	20.5
8 29	20 2.00	−28 48.6	1.753	2.610	14.4	20.7

121881 2000 DC_1 7 27.0 203.°37 7.°0/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.99	−41 10.3	2.808	3.635	10.6	19.8
6 30	20 48.89	−42 43.5	2.742	3.632	8.9	19.7
7 10	20 41.68	−44 10.8	2.699	3.629	7.5	19.6
7 20	20 32.82	−45 26.1	2.683	3.625	7.0	19.6
7 30	20 23.11	−46 24.0	2.694	3.621	7.6	19.6
8 9	20 13.50	−47 1.3	2.730	3.617	9.0	19.7
8 19	20 4.94	−47 17.8	2.791	3.613	10.7	19.8
8 29	19 58.25	−47 15.1	2.872	3.608	12.3	19.9

37583 Ramonkhanna 7 27.0 214.°67 0.°6/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.76	−15 47.3	1.702	2.542	15.8	19.5
6 30	20 49.94	−16 4.6	1.618	2.537	12.3	19.3
7 10	20 42.58	−16 32.6	1.554	2.531	8.2	19.0
7 20	20 33.26	−17 8.3	1.515	2.524	3.6	18.8
7 30	20 22.93	−17 47.3	1.503	2.517	1.4	18.6
8 9	20 12.82	−18 25.2	1.517	2.509	6.1	18.9
8 19	20 4.07	−18 58.0	1.557	2.501	10.6	19.1
8 29	19 57.64	−19 23.6	1.619	2.492	14.5	19.3

10910 1997 YX 7 27.0 222.°90 1.°1/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.64	−14 42.3	2.047	2.878	13.9	19.2
6 30	20 47.89	−14 54.9	1.957	2.870	10.8	19.0
7 10	20 41.02	−15 16.9	1.889	2.862	7.3	18.8
7 20	20 32.54	−15 46.2	1.845	2.853	3.4	18.5
7 30	20 23.24	−16 19.7	1.830	2.843	1.5	18.4
8 9	20 14.09	−16 53.6	1.842	2.833	5.3	18.6
8 19	20 6.03	−17 25.0	1.880	2.823	9.2	18.8
8 29	19 59.85	−17 51.4	1.943	2.812	12.6	19.0

362802 2011 YY_2 7 27.0 137.°71 4.°3/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.35	− 7 22.8	2.432	3.228	13.0	20.2
6 30	20 47.14	− 6 35.4	2.349	3.231	10.5	20.1
7 10	20 40.24	− 5 57.2	2.287	3.233	7.8	19.9
7 20	20 32.12	− 5 29.1	2.251	3.236	5.4	19.8
7 30	20 23.47	− 5 11.3	2.243	3.238	4.3	19.7
8 9	20 15.04	− 5 2.7	2.263	3.241	5.7	19.8
8 19	20 7.55	− 5 2.0	2.311	3.243	8.2	19.9
8 29	20 1.61	− 5 6.9	2.383	3.245	10.8	20.1

399269 2014 HC_{61} 7 27.0 228.°42 4.°7/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 48.64	− 4 3.2	2.209	3.004	14.1	21.7
6 30	20 44.59	− 3 56.8	2.120	3.000	11.6	21.5
7 10	20 38.74	− 4 5.4	2.052	2.995	8.8	21.3
7 20	20 31.55	− 4 29.1	2.008	2.991	6.1	21.2
7 30	20 23.69	− 5 6.5	1.990	2.986	4.7	21.1
8 9	20 15.97	− 5 54.7	2.000	2.981	6.0	21.1
8 19	20 9.17	− 6 49.6	2.035	2.976	8.7	21.3
8 29	20 3.98	− 7 47.1	2.096	2.971	11.6	21.5

212588 2006 SK_{173} 7 27.0 204.°06 1.°3/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.05	−14 28.5	1.802	2.637	15.3	21.7
6 30	20 49.20	−14 37.7	1.719	2.634	11.9	21.5
7 10	20 41.99	−14 57.6	1.657	2.630	8.0	21.3
7 20	20 32.98	−15 25.7	1.619	2.626	3.8	21.0
7 30	20 23.08	−15 58.6	1.608	2.621	1.7	20.8
8 9	20 13.42	−16 32.2	1.624	2.616	5.8	21.1
8 19	20 5.03	−17 3.2	1.666	2.610	10.0	21.3
8 29	19 58.81	−17 29.0	1.731	2.604	13.7	21.6

34001 2000 OR_5 7 27.0 283.°05 3.°8/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	21 0.10	−31 10.0	2.142	2.979	13.1	18.4
6 30	20 53.65	−31 5.9	2.049	2.964	10.3	18.2
7 10	20 44.78	−30 57.1	1.979	2.949	7.2	18.0
7 20	20 34.12	−30 39.1	1.934	2.934	4.4	17.8
7 30	20 22.66	−30 8.8	1.918	2.918	4.2	17.7
8 9	20 11.56	−29 25.0	1.930	2.903	6.9	17.9
8 19	20 1.89	−28 28.9	1.969	2.888	10.2	18.0
8 29	19 54.49	−27 23.6	2.032	2.872	13.3	18.2

294214 2007 UC_3 7 27.0 217.°01 2.°7/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 49.74	− 8 58.6	2.373	3.182	12.9	21.5
6 30	20 45.35	− 9 7.3	2.280	3.176	10.3	21.4
7 10	20 39.21	− 9 27.6	2.210	3.169	7.3	21.2
7 20	20 31.76	− 9 58.7	2.164	3.162	4.3	21.0
7 30	20 23.65	−10 38.3	2.147	3.154	2.8	20.8
8 9	20 15.65	−11 23.3	2.157	3.146	4.9	21.0
8 19	20 8.53	−12 10.3	2.195	3.138	8.0	21.2
8 29	20 2.94	−12 56.0	2.258	3.129	11.0	21.3

175187 2005 EC_{214} 7 27.0 107.°04 1.°3/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.71	−15 11.9	1.621	2.460	16.5	21.3
6 30	20 51.20	−15 13.9	1.559	2.477	12.8	21.1
7 10	20 43.19	−15 25.8	1.519	2.493	8.5	20.9
7 20	20 33.43	−15 45.1	1.502	2.510	3.9	20.6
7 30	20 22.98	−16 8.2	1.512	2.525	1.7	20.5
8 9	20 13.07	−16 31.3	1.548	2.541	6.0	20.8
8 19	20 4.76	−16 51.4	1.610	2.555	10.2	21.1
8 29	19 58.86	−17 6.8	1.695	2.570	13.9	21.4

16096 1999 US_6 7 27.0 356.°64 1.°4/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 46.53	−15 16.6	1.252	2.126	18.3	18.6
6 30	20 44.24	−15 15.1	1.184	2.121	14.3	18.3
7 10	20 39.14	−15 26.7	1.134	2.117	9.6	18.0
7 20	20 31.88	−15 48.9	1.105	2.114	4.5	17.7
7 30	20 23.60	−16 17.8	1.099	2.113	1.9	17.6
8 9	20 15.69	−16 48.3	1.116	2.113	6.9	17.9
8 19	20 9.45	−17 15.9	1.156	2.114	11.9	18.2
8 29	20 5.88	−17 37.2	1.215	2.117	16.3	18.4

307051 2001 YD_{49} 7 27.0 154.°23 1.°2/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.69	−16 0.9	1.635	2.474	16.4	20.8
6 30	20 52.08	−15 54.3	1.563	2.480	12.8	20.6
7 10	20 43.89	−15 56.5	1.511	2.486	8.5	20.4
7 20	20 33.78	−16 5.1	1.483	2.491	3.9	20.1
7 30	20 22.83	−16 17.2	1.482	2.496	1.7	20.0
8 9	20 12.31	−16 29.4	1.508	2.500	6.2	20.3
8 19	20 3.36	−16 39.3	1.559	2.503	10.6	20.5
8 29	19 56.88	−16 45.4	1.633	2.507	14.4	20.8

25370 Karenfletch 7 27.0 203.°41 3.°5/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.88	−28 1.1	2.082	2.928	13.1	20.1
6 30	20 50.42	−28 30.7	2.003	2.925	10.2	19.9
7 10	20 42.68	−29 0.1	1.947	2.922	6.9	19.7
7 20	20 33.25	−29 24.5	1.917	2.919	4.1	19.5
7 30	20 23.05	−29 39.3	1.914	2.915	4.0	19.5
8 9	20 13.16	−29 41.8	1.938	2.911	6.8	19.7
8 19	20 4.60	−29 31.4	1.988	2.907	10.1	19.9
8 29	19 58.17	−29 9.2	2.061	2.902	13.1	20.1

146537 2001 SP_{231} 7 27.0 8.°45 1.°4/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 50.27	−20 58.2	1.902	2.755	13.9	19.8
6 30	20 46.21	−21 30.2	1.828	2.756	10.6	19.6
7 10	20 39.97	−22 8.2	1.775	2.756	6.9	19.4
7 20	20 32.12	−22 48.0	1.747	2.757	3.0	19.1
7 30	20 23.52	−23 25.1	1.746	2.758	2.2	19.1
8 9	20 15.21	−23 55.5	1.772	2.759	6.0	19.3
8 19	20 8.13	−24 16.7	1.823	2.760	9.7	19.5
8 29	20 3.08	−24 27.8	1.897	2.762	13.1	19.8

523076 2016 QK_{93} 7 27.0 34.°86 4.°8/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.69	− 7 50.6	1.785	2.604	16.0	21.0
6 30	20 47.25	− 7 11.5	1.709	2.606	13.0	20.8
7 10	20 40.63	− 6 45.5	1.654	2.609	9.6	20.6
7 20	20 32.39	− 6 33.2	1.621	2.612	6.3	20.4
7 30	20 23.42	− 6 34.2	1.615	2.615	4.8	20.3
8 9	20 14.75	− 6 46.2	1.634	2.618	6.7	20.5
8 19	20 7.34	− 7 6.4	1.678	2.622	10.0	20.7
8 29	20 1.97	− 7 30.9	1.746	2.625	13.3	20.9

110372 2001 SX_{328} 7 27.0 164.°94 4.°5/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.74	−28 42.8	1.807	2.660	14.5	19.9
6 30	20 51.42	−29 29.5	1.737	2.662	11.3	19.7
7 10	20 43.49	−30 16.2	1.690	2.665	7.8	19.5
7 20	20 33.64	−30 56.6	1.667	2.667	4.9	19.4
7 30	20 22.92	−31 24.8	1.671	2.669	5.0	19.4
8 9	20 12.61	−31 37.1	1.700	2.670	8.0	19.5
8 19	20 3.87	−31 32.8	1.755	2.671	11.4	19.8
8 29	19 57.59	−31 13.7	1.832	2.672	14.5	20.0

52741 1998 HW_{116} 7 27.0 150°.11 5°.3/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 53.36	−33 38.1	2.438	3.281	11.5	18.8
6 30	20 48.32	−34 44.3	2.372	3.286	9.1	18.7
7 10	20 41.22	−35 47.5	2.329	3.290	6.8	18.5
7 20	20 32.63	−36 42.3	2.312	3.295	5.4	18.4
7 30	20 23.34	−37 23.6	2.323	3.299	5.8	18.5
8 9	20 14.33	−37 48.4	2.361	3.303	7.7	18.6
8 19	20 6.48	−37 56.0	2.424	3.307	10.0	18.8
8 29	20 0.52	−37 47.8	2.509	3.310	12.3	18.9

137941 2000 BQ_{42} 7 27.0 54°.89 0°.1/27.1 17

6 20	20 53.49	−17 36.0	1.367	2.228	17.8	19.7
6 30	20 49.20	−17 51.1	1.311	2.242	13.7	19.5
7 10	20 42.13	−18 16.2	1.275	2.256	8.9	19.3
7 20	20 33.06	−18 47.3	1.261	2.271	3.8	19.0
7 30	20 23.19	−19 19.3	1.271	2.285	1.6	18.9
8 9	20 13.93	−19 47.4	1.307	2.300	6.7	19.3
8 19	20 6.47	−20 8.3	1.366	2.316	11.3	19.6
8 29	20 1.67	−20 20.7	1.447	2.331	15.3	19.9

99092 2001 FR_{37} 7 27.0 86°.56 5°.4/23.7 18

6 20	20 54.37	−35 9.0	2.384	3.226	11.8	19.4
6 30	20 49.05	−35 47.8	2.317	3.229	9.4	19.3
7 10	20 41.65	−36 21.7	2.272	3.232	7.1	19.2
7 20	20 32.78	−36 45.8	2.253	3.236	5.5	19.1
7 30	20 23.30	−36 55.8	2.261	3.239	5.8	19.1
8 9	20 14.20	−36 49.9	2.295	3.242	7.6	19.2
8 19	20 6.38	−36 28.3	2.355	3.245	10.0	19.4
8 29	20 0.53	−35 53.2	2.438	3.249	12.3	19.5

125685 2001 XX_{85} 7 27.1 296°.83 1°.9/27.8 18

6 20	20 51.32	−14 8.0	1.296	2.157	18.6	19.5
6 30	20 48.18	−14 8.2	1.208	2.138	14.8	19.2
7 10	20 41.97	−14 22.8	1.139	2.118	10.1	18.9
7 20	20 33.22	−14 50.2	1.092	2.099	4.9	18.5
7 30	20 23.03	−15 26.6	1.067	2.081	2.3	18.3
8 9	20 12.89	−16 6.4	1.066	2.062	7.4	18.5
8 19	20 4.33	−16 44.4	1.088	2.044	12.9	18.8
8 29	19 58.62	−17 16.5	1.130	2.026	17.8	19.0

315206 2007 RQ_{1} 7 27.1 337°.14 7°.1/24.7 18

6 20	20 49.70	−30 13.5	0.967	1.868	20.2	19.5
6 30	20 48.06	−30 53.1	0.900	1.851	16.0	19.2
7 10	20 42.43	−31 32.1	0.850	1.835	11.5	18.9
7 20	20 33.52	−32 0.5	0.818	1.821	7.7	18.6
7 30	20 22.93	−32 8.3	0.807	1.808	7.8	18.6
8 9	20 12.83	−31 49.6	0.815	1.797	11.9	18.8
8 19	20 5.20	−31 4.9	0.843	1.788	16.9	19.0
8 29	20 1.47	−29 59.1	0.886	1.780	21.6	19.2

165028 2000 DA_{19} 7 27.1 154°.23 1°.7/26.0 17

6 20	20 54.43	−23 32.0	2.322	3.160	12.2	21.0
6 30	20 48.94	−23 51.5	2.247	3.167	9.3	20.8
7 10	20 41.51	−24 13.1	2.196	3.173	6.1	20.6
7 20	20 32.72	−24 33.4	2.171	3.178	2.8	20.4
7 30	20 23.34	−24 49.1	2.174	3.184	2.3	20.4
8 9	20 14.27	−24 57.7	2.205	3.188	5.4	20.6
8 19	20 6.35	−24 58.1	2.264	3.193	8.6	20.8
8 29	20 0.23	−24 50.5	2.347	3.197	11.4	21.0

465596 2009 BQ_{127} 7 27.1 259°.26 1°.1/27.6 17

6 20	20 52.62	−14 17.3	1.411	2.264	17.8	21.5
6 30	20 48.79	−14 39.4	1.332	2.258	13.9	21.3
7 10	20 42.11	−15 16.4	1.273	2.251	9.4	21.0
7 20	20 33.19	−16 5.2	1.236	2.244	4.3	20.7
7 30	20 23.09	−17 0.4	1.223	2.237	1.7	20.5
8 9	20 13.22	−17 55.7	1.236	2.231	6.8	20.8
8 19	20 4.92	−18 45.5	1.273	2.224	11.9	21.1
8 29	19 59.27	−19 26.1	1.331	2.217	16.2	21.3

308127 2004 XM_{130} 7 27.1 138°.76 1°.4/26.4 18

6 20	21 5.53	−23 57.0	2.406	3.221	12.5	23.1
6 30	20 57.09	−23 55.8	2.335	3.241	9.6	22.9
7 10	20 46.62	−23 54.5	2.289	3.261	6.3	22.7
7 20	20 34.80	−23 50.1	2.272	3.279	2.8	22.6
7 30	20 22.52	−23 40.0	2.285	3.297	1.9	22.5
8 9	20 10.78	−23 23.1	2.330	3.312	5.2	22.8
8 19	20 0.46	−22 59.7	2.404	3.327	8.4	23.0
8 29	19 52.20	−22 30.8	2.504	3.341	11.2	23.2

281373 2008 GK_{57} 7 27.1 261°.17 5°.4/30.9 18

6 20	20 48.02	− 1 10.7	2.423	3.199	13.5	20.9
6 30	20 44.07	− 0 58.7	2.321	3.184	11.4	20.7
7 10	20 38.42	− 1 1.7	2.240	3.168	8.9	20.6
7 20	20 31.48	− 1 20.6	2.182	3.152	6.6	20.4
7 30	20 23.85	− 1 54.8	2.150	3.136	5.4	20.3
8 9	20 16.26	− 2 42.2	2.146	3.119	6.3	20.3
8 19	20 9.44	− 3 39.1	2.168	3.102	8.6	20.4
8 29	20 4.07	− 4 41.2	2.215	3.085	11.3	20.6

23931 Ibuki 7 27.1 30°.88 2°.7/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 51.30	−20 56.6	1.387	2.257	17.1	16.9
6 30	20 47.79	−22 2.6	1.324	2.261	13.1	16.6
7 10	20 41.42	−23 18.6	1.280	2.265	8.5	16.4
7 20	20 32.87	−24 37.5	1.260	2.269	4.0	16.1
7 30	20 23.28	−25 50.8	1.264	2.274	3.6	16.1
8 9	20 14.09	−26 51.2	1.293	2.279	8.0	16.4
8 19	20 6.61	−27 34.4	1.346	2.284	12.4	16.7
8 29	20 1.84	−27 59.6	1.419	2.290	16.3	16.9

166395 2002 NW_{17} 7 27.1 22°.72 1°.7/28.1 18

6 20	20 45.99	−10 57.9	1.292	2.154	18.6	18.7
6 30	20 43.59	−11 44.6	1.236	2.165	14.5	18.5
7 10	20 38.57	−12 51.3	1.198	2.177	9.8	18.2
7 20	20 31.62	−14 13.6	1.182	2.190	4.7	18.0
7 30	20 23.82	−15 44.1	1.191	2.204	2.0	17.8
8 9	20 16.49	−17 14.1	1.223	2.220	6.5	18.2
8 19	20 10.75	−18 36.2	1.279	2.236	11.2	18.5
8 29	20 7.51	−19 45.1	1.357	2.253	15.3	18.8

211356 2002 TB_{167} 7 27.1 233°.20 0°.4/26.9 18

6 20	20 54.73	−20 35.0	2.206	3.042	12.8	20.6
6 30	20 49.34	−20 29.8	2.116	3.034	9.9	20.4
7 10	20 41.90	−20 27.9	2.049	3.026	6.5	20.2
7 20	20 32.94	−20 26.9	2.008	3.018	2.7	19.9
7 30	20 23.27	−20 24.3	1.995	3.009	1.3	19.8
8 9	20 13.83	−20 18.3	2.011	3.000	5.2	20.0
8 19	20 5.50	−20 7.7	2.053	2.991	8.8	20.2
8 29	19 59.05	−19 52.5	2.120	2.981	12.0	20.4

220245 2002 XR_{45} 7 27.1 290°.57 0°.7/26.8 17

6 20	20 52.86	−19 19.1	1.539	2.397	16.3	20.9
6 30	20 49.00	−19 33.8	1.445	2.375	12.7	20.6
7 10	20 42.32	−19 57.1	1.372	2.353	8.4	20.3
7 20	20 33.34	−20 25.3	1.321	2.331	3.6	20.0
7 30	20 23.06	−20 53.8	1.296	2.309	1.8	19.8
8 9	20 12.83	−21 17.6	1.296	2.288	7.0	20.1
8 19	20 4.01	−21 33.5	1.320	2.266	11.9	20.3
8 29	19 57.76	−21 39.8	1.365	2.244	16.3	20.5

428291 2007 EL_{131} 7 27.1 51°.74 0°.9/27.5 16

6 20	20 52.07	−15 22.4	1.453	2.308	17.3	21.5
6 30	20 47.93	−15 37.2	1.397	2.323	13.3	21.3
7 10	20 41.23	−16 3.8	1.360	2.339	8.8	21.1
7 20	20 32.69	−16 38.7	1.346	2.355	3.9	20.9
7 30	20 23.42	−17 17.1	1.357	2.371	1.5	20.7
8 9	20 14.69	−17 54.1	1.393	2.388	6.2	21.1
8 19	20 7.59	−18 26.0	1.454	2.404	10.7	21.4
8 29	20 2.97	−18 50.3	1.537	2.421	14.5	21.7

6917 1993 FR_{2} 7 27.1 107°.21 2°.0/28.1 18

6 20	20 54.13	−12 25.0	1.410	2.256	18.2	17.0
6 30	20 49.70	−12 39.9	1.345	2.265	14.3	16.7
7 10	20 42.53	−13 10.4	1.300	2.274	9.7	16.5
7 20	20 33.30	−13 53.5	1.276	2.283	4.8	16.2
7 30	20 23.16	−14 44.4	1.278	2.291	2.3	16.1
8 9	20 13.46	−15 37.2	1.305	2.299	6.6	16.4
8 19	20 5.44	−16 26.5	1.356	2.307	11.3	16.7
8 29	20 0.03	−17 8.7	1.429	2.315	15.4	16.9

294446 2007 VG_{287} 7 27.1 244°.32 5°.7/31.0 18

6 20	20 49.11	− 0 34.2	2.354	3.127	14.0	21.7
6 30	20 44.94	− 0 20.1	2.254	3.113	11.8	21.5
7 10	20 39.02	− 0 21.7	2.174	3.100	9.3	21.4
7 20	20 31.76	− 0 40.0	2.118	3.086	7.0	21.2
7 30	20 23.78	− 1 14.7	2.089	3.072	5.7	21.1
8 9	20 15.86	− 2 3.2	2.086	3.057	6.6	21.1
8 19	20 8.75	− 3 2.0	2.109	3.042	8.9	21.2
8 29	20 3.14	− 4 6.4	2.158	3.027	11.6	21.4

466130 2012 FZ_{23} 7 27.1 41°.91 24°.4/29.0 16

6 20	22 26.19	+74 47.8	1.908	1.881	31.1	22.3
6 30	22 1.33	+75 33.2	1.935	1.961	30.2	22.4
7 10	21 27.37	+75 35.1	1.951	2.039	29.4	22.5
7 20	20 50.20	+74 39.1	1.958	2.115	28.6	22.5
7 30	20 17.27	+72 39.0	1.962	2.190	27.6	22.6
8 9	19 53.10	+69 39.3	1.967	2.263	26.6	22.6
8 19	19 38.15	+65 50.1	1.976	2.334	25.5	22.7
8 29	19 30.92	+61 23.2	1.996	2.404	24.4	22.7

171751 2000 YB_{17} 7 27.1 145°.80 9°.7/ 1.2 17

6 20	20 56.98	+ 6 10.9	2.045	2.774	17.1	20.6
6 30	20 51.02	+ 7 27.9	1.972	2.786	14.9	20.4
7 10	20 42.97	+ 8 25.7	1.919	2.798	12.7	20.3
7 20	20 33.40	+ 9 0.6	1.888	2.808	10.7	20.2
7 30	20 23.13	+ 9 10.5	1.881	2.818	9.7	20.2
8 9	20 13.14	+ 8 56.5	1.899	2.827	10.1	20.2
8 19	20 4.33	+ 8 21.9	1.943	2.836	11.6	20.3
8 29	19 57.45	+ 7 32.3	2.009	2.843	13.7	20.5

107163 2001 BZ_{19} 7 27.1 79°.47 2°.3/26.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 56.88	−22 9.4	1.434	2.294	17.2	20.0
6 30	20 51.71	−22 47.4	1.382	2.314	13.1	19.8
7 10	20 43.72	−23 31.0	1.352	2.334	8.5	19.6
7 20	20 33.74	−24 14.1	1.344	2.353	3.9	19.4
7 30	20 23.02	−24 50.4	1.362	2.373	3.1	19.4
8 9	20 13.00	−25 15.5	1.406	2.392	7.3	19.7
8 19	20 4.86	−25 27.5	1.473	2.411	11.6	20.0
8 29	19 59.48	−25 27.0	1.563	2.430	15.2	20.2

216900 2009 HV_{84} 7 27.1 7°.39 3°.2/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 47.15	− 7 11.7	1.946	2.765	14.9	20.1
6 30	20 43.71	− 7 35.5	1.866	2.766	11.9	19.9
7 10	20 38.32	− 8 15.8	1.806	2.766	8.6	19.7
7 20	20 31.48	− 9 11.1	1.770	2.767	5.1	19.5
7 30	20 23.93	−10 17.9	1.761	2.769	3.2	19.4
8 9	20 16.57	−11 31.3	1.779	2.770	5.5	19.5
8 19	20 10.25	−12 45.8	1.822	2.772	9.0	19.7
8 29	20 5.72	−13 56.7	1.890	2.774	12.3	19.9

371510 2006 UX_{74} 7 27.1 15°.17 3°.2/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.55	−24 39.0	1.217	2.096	18.4	20.4
6 30	20 49.84	−25 1.2	1.158	2.099	14.2	20.1
7 10	20 42.89	−25 27.1	1.116	2.102	9.4	19.9
7 20	20 33.52	−25 50.4	1.097	2.106	4.6	19.6
7 30	20 23.10	−26 4.7	1.100	2.110	4.0	19.6
8 9	20 13.32	−26 5.9	1.128	2.116	8.5	19.9
8 19	20 5.61	−25 53.0	1.177	2.122	13.2	20.2
8 29	20 0.99	−25 27.5	1.246	2.128	17.3	20.4

208958 2002 XW_{10} 7 27.1 58°.21 2°.9/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.72	−24 47.3	1.945	2.799	13.5	20.1
6 30	20 47.33	−25 30.5	1.875	2.803	10.4	19.9
7 10	20 40.73	−26 16.7	1.828	2.807	6.9	19.7
7 20	20 32.49	−27 1.1	1.805	2.811	3.6	19.5
7 30	20 23.52	−27 38.4	1.809	2.815	3.5	19.5
8 9	20 14.88	−28 4.8	1.840	2.819	6.6	19.7
8 19	20 7.53	−28 18.7	1.897	2.824	10.1	19.9
8 29	20 2.25	−28 20.0	1.976	2.828	13.2	20.1

12554 1998 QA_{47} 7 27.1 9°.48 0°.3/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 47.25	−17 1.4	1.837	2.690	14.3	17.0
6 30	20 43.94	−17 37.5	1.764	2.691	11.0	16.8
7 10	20 38.54	−18 23.3	1.713	2.694	7.2	16.5
7 20	20 31.58	−19 15.2	1.687	2.697	3.0	16.3
7 30	20 23.90	−20 8.3	1.686	2.700	1.4	16.2
8 9	20 16.48	−20 57.9	1.712	2.704	5.6	16.5
8 19	20 10.25	−21 40.2	1.764	2.709	9.5	16.7
8 29	20 5.97	−22 13.0	1.838	2.714	12.9	16.9

186946 2004 RB_{12} 7 27.1 184°.88 1°.4/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 48.04	−12 19.8	2.420	3.243	12.2	20.7
6 30	20 44.03	−12 46.3	2.335	3.243	9.6	20.5
7 10	20 38.35	−13 23.0	2.273	3.243	6.5	20.3
7 20	20 31.45	−14 7.9	2.237	3.242	3.2	20.1
7 30	20 23.96	−14 57.8	2.229	3.242	1.5	20.0
8 9	20 16.63	−15 49.2	2.250	3.242	4.4	20.2
8 19	20 10.17	−16 38.6	2.297	3.241	7.7	20.4
8 29	20 5.19	−17 23.4	2.370	3.241	10.6	20.6

315389 2007 VT_{97} 7 27.1 119°.89 0°.5/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.06	−16 52.1	1.632	2.474	16.3	21.7
6 30	20 51.56	−16 58.6	1.567	2.487	12.6	21.5
7 10	20 43.53	−17 13.7	1.523	2.500	8.3	21.3
7 20	20 33.68	−17 34.5	1.504	2.512	3.6	21.0
7 30	20 23.09	−17 57.0	1.510	2.524	1.4	20.9
8 9	20 13.00	−18 17.4	1.544	2.536	6.1	21.2
8 19	20 4.51	−18 33.3	1.603	2.547	10.4	21.5
8 29	19 58.45	−18 43.2	1.684	2.557	14.1	21.8

262847 2007 BR_{17} 7 27.1 55°.00 0°.4/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 48.12	−14 32.2	2.157	2.993	13.1	20.1
6 30	20 44.27	−15 14.6	2.083	3.000	10.1	19.9
7 10	20 38.60	−16 7.4	2.031	3.006	6.7	19.7
7 20	20 31.59	−17 7.2	2.004	3.013	2.9	19.5
7 30	20 23.96	−18 9.9	2.005	3.019	1.1	19.4
8 9	20 16.55	−19 10.8	2.034	3.026	4.8	19.7
8 19	20 10.14	−20 6.2	2.090	3.033	8.4	19.9
8 29	20 5.41	−20 53.4	2.170	3.040	11.5	20.1

394717 2008 EA_{72} 7 27.1 57°.07 2°.0/28.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 48.58	−10 0.9	1.978	2.804	14.4	20.6
6 30	20 44.64	−10 35.7	1.914	2.822	11.3	20.5
7 10	20 38.82	−11 24.3	1.873	2.840	7.8	20.3
7 20	20 31.66	−12 24.0	1.856	2.858	4.1	20.1
7 30	20 23.94	−13 30.5	1.865	2.877	2.1	20.0
8 9	20 16.55	−14 38.8	1.903	2.896	5.0	20.2
8 19	20 10.28	−15 44.3	1.967	2.914	8.5	20.5
8 29	20 5.79	−16 43.3	2.055	2.933	11.7	20.7

311976 2007 ED_{60} 7 27.1 154°.32 2°.1/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 51.05	−24 48.5	2.615	3.456	10.9	20.9
6 30	20 46.24	−25 17.3	2.539	3.460	8.3	20.7
7 10	20 39.74	−25 47.8	2.486	3.463	5.5	20.5
7 20	20 32.03	−26 16.4	2.461	3.467	2.8	20.3
7 30	20 23.79	−26 40.1	2.463	3.470	2.6	20.3
8 9	20 15.79	−26 56.2	2.494	3.473	5.1	20.5
8 19	20 8.73	−27 3.7	2.552	3.476	8.0	20.7
8 29	20 3.24	−27 2.3	2.635	3.478	10.5	20.9

170900 Jendrassik 7 27.1 268°.79 2°.3/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.28	−13 56.0	1.445	2.293	17.7	20.9
6 30	20 50.07	−13 42.5	1.361	2.282	14.0	20.7
7 10	20 42.99	−13 40.6	1.296	2.270	9.7	20.4
7 20	20 33.64	−13 49.2	1.253	2.259	4.9	20.1
7 30	20 23.09	−14 5.6	1.235	2.247	2.5	19.9
8 9	20 12.73	−14 25.9	1.241	2.235	6.9	20.1
8 19	20 3.90	−14 46.6	1.272	2.223	11.8	20.4
8 29	19 57.72	−15 4.7	1.324	2.211	16.2	20.6

431256 2006 UD_{15} 7 27.1 230°.96 0°.1/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.91	−16 58.3	1.852	2.692	14.7	22.3
6 30	20 49.21	−17 22.9	1.762	2.682	11.4	22.1
7 10	20 42.13	−17 57.0	1.694	2.671	7.6	21.8
7 20	20 33.20	−18 37.4	1.651	2.660	3.2	21.5
7 30	20 23.29	−19 19.7	1.635	2.649	1.3	21.4
8 9	20 13.51	−19 59.4	1.646	2.637	5.9	21.7
8 19	20 4.96	−20 32.9	1.683	2.625	10.1	21.9
8 29	19 58.54	−20 58.1	1.743	2.612	13.9	22.1

13337 1998 SZ_{114} 7 27.1 327°.88 0°.5/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 50.61	−18 40.6	1.753	2.606	14.9	17.9
6 30	20 46.71	−19 3.8	1.674	2.601	11.5	17.7
7 10	20 40.48	−19 35.0	1.617	2.597	7.5	17.5
7 20	20 32.48	−20 10.9	1.583	2.593	3.1	17.2
7 30	20 23.62	−20 46.9	1.576	2.589	1.6	17.1
8 9	20 15.01	−21 18.7	1.595	2.586	6.0	17.3
8 19	20 7.70	−21 43.3	1.639	2.583	10.2	17.6
8 29	20 2.54	−21 58.9	1.705	2.580	13.8	17.8

251524 2008 GU_{50} 7 27.1 321°.95 4°.7/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 46.78	− 4 46.0	2.001	2.809	14.9	20.3
6 30	20 43.45	− 4 40.4	1.911	2.800	12.3	20.1
7 10	20 38.20	− 4 51.0	1.842	2.791	9.2	19.9
7 20	20 31.49	− 5 17.7	1.795	2.782	6.3	19.7
7 30	20 24.03	− 5 59.3	1.774	2.773	4.7	19.6
8 9	20 16.69	− 6 52.2	1.780	2.765	6.2	19.6
8 19	20 10.32	− 7 52.1	1.811	2.757	9.2	19.8
8 29	20 5.67	− 8 53.9	1.866	2.749	12.4	20.0

149765 2004 PM_{106} 7 27.1 9°.21 1°.1/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.88	−17 29.1	1.774	2.621	14.9	19.2
6 30	20 47.48	−17 2.2	1.700	2.623	11.6	19.0
7 10	20 40.84	−16 40.9	1.648	2.625	7.7	18.7
7 20	20 32.58	−16 24.1	1.620	2.628	3.5	18.5
7 30	20 23.63	−16 10.1	1.618	2.632	1.6	18.4
8 9	20 15.07	−15 57.2	1.643	2.636	5.6	18.6
8 19	20 7.85	−15 44.3	1.693	2.641	9.6	18.9
8 29	20 2.75	−15 30.5	1.766	2.646	13.1	19.1

520150 2014 BO_{69} 7 27.1 126°.79 3°.6/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.24	− 8 49.2	2.217	3.022	13.8	21.5
6 30	20 47.99	− 8 23.3	2.142	3.033	11.0	21.4
7 10	20 40.92	− 8 8.1	2.089	3.044	8.0	21.2
7 20	20 32.56	− 8 3.2	2.062	3.054	5.0	21.0
7 30	20 23.65	− 8 7.7	2.062	3.064	3.6	20.9
8 9	20 15.04	− 8 19.6	2.089	3.074	5.4	21.1
8 19	20 7.50	− 8 36.5	2.144	3.083	8.4	21.3
8 29	20 1.67	− 8 55.8	2.223	3.092	11.3	21.5

490140 2008 UA_{145} 7 27.1 294°.94 1°.3/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.26	−20 13.2	1.712	2.568	15.0	21.8
6 30	20 47.40	−20 44.6	1.628	2.557	11.6	21.5
7 10	20 41.06	−21 24.0	1.564	2.546	7.6	21.2
7 20	20 32.79	−22 7.0	1.525	2.535	3.3	21.0
7 30	20 23.52	−22 48.4	1.511	2.523	2.2	20.9
8 9	20 14.43	−23 23.4	1.523	2.512	6.5	21.1
8 19	20 6.64	−23 48.7	1.561	2.502	10.8	21.3
8 29	20 1.13	−24 2.9	1.620	2.491	14.6	21.5

103786 2000 DY_{8} 7 27.1 39°.19 0°.1/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.96	−18 20.4	1.252	2.122	18.6	19.3
6 30	20 49.04	−18 28.2	1.199	2.135	14.3	19.1
7 10	20 42.18	−18 45.6	1.165	2.149	9.3	18.8
7 20	20 33.20	−19 8.6	1.153	2.163	3.9	18.5
7 30	20 23.41	−19 32.1	1.164	2.179	1.6	18.4
8 9	20 14.29	−19 51.6	1.200	2.194	7.0	18.8
8 19	20 7.09	−20 4.2	1.259	2.211	11.8	19.1
8 29	20 2.71	−20 8.8	1.338	2.227	15.9	19.4

399157 2014 FE_{11} 7 27.1 39°.94 5°.8/24.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 58.30	−33 42.0	1.688	2.542	15.3	20.0
6 30	20 52.69	−34 4.4	1.630	2.552	12.1	19.8
7 10	20 44.32	−34 20.6	1.594	2.563	8.7	19.7
7 20	20 34.04	−34 24.7	1.581	2.574	6.2	19.5
7 30	20 23.09	−34 11.8	1.594	2.585	6.2	19.6
8 9	20 12.87	−33 40.8	1.632	2.597	8.7	19.7
8 19	20 4.52	−32 53.4	1.695	2.609	11.9	19.9
8 29	19 58.87	−31 53.5	1.779	2.621	14.8	20.2

158377 2001 XZ_{202} 7 27.1 127°.75 5°.6/31.1 18

6 20	20 52.77	− 0 56.5	2.235	3.006	14.7	21.0
6 30	20 47.59	− 0 41.9	2.164	3.023	12.2	20.8
7 10	20 40.65	− 0 43.6	2.114	3.040	9.5	20.7
7 20	20 32.45	− 1 1.9	2.087	3.056	7.0	20.5
7 30	20 23.72	− 1 35.7	2.088	3.072	5.6	20.5
8 9	20 15.28	− 2 21.9	2.115	3.087	6.5	20.6
8 19	20 7.88	− 3 16.6	2.169	3.101	8.8	20.7
8 29	20 2.15	− 4 15.1	2.249	3.114	11.3	20.9

129660 1998 QJ_{51} 7 27.1 285°.69 7°.8/ 2.8 18

6 20	20 47.02	+ 8 10.6	2.511	3.231	14.5	20.2
6 30	20 43.37	+ 8 13.8	2.398	3.206	12.8	20.0
7 10	20 38.06	+ 7 56.5	2.303	3.182	10.8	19.8
7 20	20 31.44	+ 7 16.5	2.230	3.157	9.0	19.6
7 30	20 24.09	+ 6 13.4	2.182	3.132	7.9	19.5
8 9	20 16.71	+ 4 49.5	2.160	3.107	8.0	19.5
8 19	20 10.02	+ 3 9.2	2.165	3.081	9.5	19.5
8 29	20 4.70	+ 1 18.7	2.195	3.056	11.7	19.6

142298 2002 RO_{145} 7 27.1 227°.50 0°.4/26.9 18

6 20	20 54.18	−18 4.1	1.852	2.694	14.6	20.9
6 30	20 49.44	−18 32.3	1.764	2.685	11.3	20.7
7 10	20 42.30	−19 9.4	1.698	2.676	7.5	20.4
7 20	20 33.30	−19 51.7	1.656	2.666	3.1	20.1
7 30	20 23.33	−20 34.6	1.642	2.655	1.5	20.0
8 9	20 13.51	−21 13.3	1.654	2.644	6.0	20.3
8 19	20 4.92	−21 44.7	1.693	2.633	10.2	20.5
8 29	19 58.49	−22 6.8	1.755	2.621	13.9	20.7

92421 2000 JM_{48} 7 27.1 48°.19 0°.1/27.1 18

6 20	20 56.06	−19 10.9	1.140	2.012	19.8	19.0
6 30	20 51.71	−19 5.7	1.087	2.024	15.3	18.8
7 10	20 44.07	−19 9.2	1.051	2.035	10.0	18.5
7 20	20 34.04	−19 17.4	1.037	2.047	4.2	18.2
7 30	20 23.09	−19 25.7	1.046	2.060	1.8	18.1
8 9	20 12.90	−19 30.2	1.078	2.073	7.5	18.5
8 19	20 4.91	−19 28.8	1.133	2.086	12.7	18.8
8 29	20 0.08	−19 20.8	1.208	2.100	17.1	19.1

313435 2002 RC_{3} 7 27.1 325°.71 5°.9/24.8 18

6 20	20 53.83	−29 32.0	1.275	2.154	17.7	19.4
6 30	20 50.40	−30 14.1	1.203	2.141	14.0	19.2
7 10	20 43.55	−30 56.4	1.149	2.129	9.9	18.9
7 20	20 33.98	−31 30.7	1.117	2.118	6.4	18.7
7 30	20 23.05	−31 48.7	1.107	2.108	6.5	18.6
8 9	20 12.53	−31 45.5	1.121	2.098	10.2	18.8
8 19	20 4.04	−31 20.5	1.157	2.089	14.6	19.0
8 29	19 58.82	−30 37.0	1.211	2.080	18.6	19.3

384866 2012 SM_{33} 7 27.1 306°.46 3°.2/28.6 17

6 20	20 51.77	−10 57.6	1.727	2.559	16.0	20.6
6 30	20 47.54	−10 40.4	1.647	2.556	12.7	20.4
7 10	20 41.00	−10 35.3	1.587	2.554	9.0	20.1
7 20	20 32.72	−10 41.9	1.551	2.552	5.1	19.9
7 30	20 23.60	−10 58.3	1.540	2.549	3.3	19.8
8 9	20 14.74	−11 21.4	1.556	2.547	6.1	20.0
8 19	20 7.16	−11 47.8	1.597	2.545	10.1	20.2
8 29	20 1.71	−12 14.2	1.660	2.543	13.7	20.4

211115 2002 FY_{40} 7 27.1 18°.59 4°.5/29.3 17

6 20	20 48.04	− 8 11.0	1.131	1.991	20.8	19.9
6 30	20 45.57	− 8 8.9	1.071	1.995	16.7	19.6
7 10	20 40.14	− 8 29.5	1.028	2.000	12.0	19.4
7 20	20 32.45	− 9 11.9	1.005	2.006	7.1	19.1
7 30	20 23.72	−10 11.9	1.004	2.013	4.5	19.0
8 9	20 15.45	−11 21.8	1.025	2.021	7.7	19.2
8 19	20 8.99	−12 33.8	1.069	2.029	12.4	19.5
8 29	20 5.37	−13 40.5	1.132	2.039	16.8	19.8

472900 2015 FD_{336} 7 27.1 286°.77 6°.7/31.1 18

6 20	20 48.57	− 0 51.6	1.843	2.636	16.6	20.9
6 30	20 45.10	− 0 34.2	1.746	2.619	14.0	20.7
7 10	20 39.47	− 0 36.4	1.667	2.601	11.1	20.5
7 20	20 32.13	− 0 59.9	1.611	2.584	8.2	20.3
7 30	20 23.83	− 1 44.4	1.578	2.566	6.7	20.1
8 9	20 15.54	− 2 46.8	1.571	2.548	7.8	20.2
8 19	20 8.27	− 4 1.8	1.590	2.531	10.6	20.3
8 29	20 2.90	− 5 23.1	1.631	2.513	13.9	20.5

87593 2000 RE_{28} 7 27.1 337°.61 0°.8/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 46.09	−17 42.4	1.149	2.033	18.9	18.5
6 30	20 44.44	−17 28.4	1.068	2.012	14.8	18.2
7 10	20 39.68	−17 24.0	1.005	1.992	10.0	17.9
7 20	20 32.38	−17 27.5	0.963	1.973	4.5	17.5
7 30	20 23.71	−17 35.3	0.942	1.956	1.8	17.2
8 9	20 15.23	−17 43.4	0.943	1.941	7.6	17.6
8 19	20 8.47	−17 48.2	0.966	1.928	13.2	17.8
8 29	20 4.69	−17 47.4	1.007	1.916	18.2	18.1

474627 2004 TN_{230} 7 27.1 310°.09 3°.1/28.7 16

6 20	20 49.37	−10 30.0	1.595	2.435	16.7	21.4
6 30	20 46.01	−10 27.4	1.509	2.423	13.3	21.2
7 10	20 40.20	−10 39.7	1.442	2.412	9.4	20.9
7 20	20 32.46	−11 6.2	1.398	2.400	5.3	20.7
7 30	20 23.71	−11 44.1	1.379	2.389	3.2	20.5
8 9	20 15.11	−12 29.2	1.385	2.378	6.4	20.7
8 19	20 7.77	−13 16.5	1.415	2.368	10.7	20.9
8 29	20 2.68	−14 1.5	1.468	2.358	14.7	21.1

281235 2007 JE_{36} 7 27.1 333°.64 13°.2/ 2.6 18

6 20	20 51.01	+10 52.5	1.748	2.475	19.7	20.0
6 30	20 47.01	+12 37.6	1.672	2.471	17.8	19.8
7 10	20 40.72	+13 59.7	1.614	2.468	15.9	19.7
7 20	20 32.65	+14 52.7	1.574	2.465	14.2	19.5
7 30	20 23.64	+15 12.4	1.554	2.463	13.3	19.5
8 9	20 14.78	+14 58.5	1.556	2.460	13.4	19.5
8 19	20 7.11	+14 14.3	1.579	2.458	14.6	19.6
8 29	20 1.51	+13 6.8	1.622	2.456	16.4	19.7

473369 2015 UZ_{9} 7 27.1 323°.13 0°.4/27.3 17

6 20	20 47.74	−16 27.2	1.929	2.777	13.9	21.3
6 30	20 44.39	−16 42.8	1.838	2.762	10.8	21.1
7 10	20 38.95	−17 7.4	1.768	2.746	7.2	20.9
7 20	20 31.88	−17 38.7	1.722	2.731	3.2	20.6
7 30	20 23.97	−18 13.1	1.703	2.717	1.2	20.4
8 9	20 16.18	−18 46.9	1.710	2.703	5.4	20.7
8 19	20 9.45	−19 16.8	1.743	2.690	9.4	20.9
8 29	20 4.61	−19 40.3	1.798	2.677	13.0	21.1

474995 2005 TA_{132} 7 27.1 209°.94 6°.6/21.4 18

6 20	20 56.61	−41 58.8	2.931	3.750	10.4	22.5
6 30	20 50.77	−42 59.4	2.858	3.744	8.7	22.3
7 10	20 42.88	−43 52.9	2.808	3.737	7.3	22.2
7 20	20 33.47	−44 34.2	2.784	3.730	6.6	22.2
7 30	20 23.34	−44 58.9	2.786	3.722	7.0	22.2
8 9	20 13.43	−45 4.8	2.815	3.714	8.3	22.3
8 19	20 4.64	−44 52.1	2.869	3.705	10.0	22.4
8 29	19 57.72	−44 22.9	2.944	3.696	11.7	22.5

78067 2002 LN_{1} 7 27.1 8°.35 2°.3/25.4 18

6 20	20 48.49	−22 26.5	2.089	2.943	12.8	19.3
6 30	20 44.78	−23 22.3	2.015	2.944	9.8	19.1
7 10	20 39.08	−24 23.5	1.964	2.945	6.4	18.9
7 20	20 31.89	−25 25.5	1.938	2.946	3.1	18.7
7 30	20 23.99	−26 23.0	1.940	2.948	2.9	18.7
8 9	20 16.31	−27 11.4	1.968	2.950	6.1	18.9
8 19	20 9.72	−27 48.1	2.023	2.952	9.4	19.1
8 29	20 4.95	−28 11.9	2.100	2.954	12.4	19.3

489658 2007 UK_{87} 7 27.1 330°.21 7°.8/22.9 16

6 20	20 47.71	−31 42.3	1.288	2.174	17.1	20.6
6 30	20 45.99	−32 56.3	1.202	2.143	13.7	20.3
7 10	20 40.93	−34 12.6	1.135	2.113	10.3	20.1
7 20	20 33.03	−35 21.5	1.090	2.084	8.0	19.8
7 30	20 23.45	−36 12.3	1.066	2.056	8.8	19.8
8 9	20 13.90	−36 36.7	1.065	2.030	12.2	19.9
8 19	20 6.15	−36 31.8	1.083	2.005	16.3	20.1
8 29	20 1.64	−35 59.7	1.119	1.981	20.3	20.2

93355 2000 SK_{257} 7 27.1 195°.93 0°.4/27.4 18

6 20	20 52.66	−15 55.5	2.141	2.972	13.3	20.6
6 30	20 47.85	−16 18.9	2.056	2.970	10.3	20.4
7 10	20 41.04	−16 51.1	1.993	2.967	6.8	20.2
7 20	20 32.72	−17 29.2	1.956	2.964	3.0	19.9
7 30	20 23.66	−18 9.6	1.946	2.960	1.1	19.8
8 9	20 14.78	−18 48.5	1.965	2.956	5.1	20.0
8 19	20 6.96	−19 23.0	2.011	2.952	8.8	20.3
8 29	20 0.95	−19 50.9	2.081	2.947	12.1	20.5

445503 2010 VW_{210} 7 27.1 20°.54 3°.3/25.3 18

6 20	20 52.71	−27 53.9	2.089	2.940	12.9	20.7
6 30	20 47.97	−28 16.6	2.018	2.943	9.9	20.5
7 10	20 41.11	−28 38.8	1.969	2.945	6.7	20.3
7 20	20 32.72	−28 56.2	1.945	2.948	3.9	20.2
7 30	20 23.68	−29 4.9	1.948	2.951	3.8	20.2
8 9	20 15.02	−29 2.5	1.978	2.954	6.5	20.3
8 19	20 7.62	−28 48.7	2.034	2.958	9.7	20.5
8 29	20 2.24	−28 24.5	2.113	2.962	12.6	20.7

392411 2010 LC_{113} 7 27.1 346°.15 4°.9/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 47.80	− 4 11.0	1.957	2.763	15.3	20.8
6 30	20 44.24	− 4 4.3	1.875	2.761	12.6	20.6
7 10	20 38.73	− 4 14.3	1.812	2.759	9.5	20.4
7 20	20 31.76	− 4 41.2	1.773	2.757	6.5	20.2
7 30	20 24.07	− 5 23.2	1.759	2.756	4.9	20.1
8 9	20 16.57	− 6 17.0	1.771	2.755	6.3	20.2
8 19	20 10.10	− 7 17.7	1.808	2.754	9.3	20.4
8 29	20 5.39	− 8 20.4	1.870	2.753	12.4	20.6

70262 1999 RP_{92} 7 27.1 254°.98 3°.7/25.3 18

6 20	20 56.82	−26 11.7	1.665	2.521	15.4	19.0
6 30	20 51.96	−26 49.8	1.579	2.507	12.0	18.7
7 10	20 44.24	−27 31.0	1.514	2.492	8.1	18.5
7 20	20 34.25	−28 9.1	1.473	2.478	4.5	18.2
7 30	20 23.05	−28 37.8	1.458	2.462	4.4	18.2
8 9	20 12.05	−28 52.2	1.468	2.447	8.0	18.3
8 19	20 2.58	−28 50.7	1.504	2.431	12.2	18.5
8 29	19 55.75	−28 34.3	1.560	2.415	15.9	18.7

20671 1999 UX_{48} 7 27.1 82°.95 4°.5/29.3 18

6 20	20 53.73	− 7 57.1	1.824	2.638	15.9	18.7
6 30	20 48.70	− 7 23.1	1.759	2.654	12.8	18.5
7 10	20 41.55	− 7 2.2	1.714	2.669	9.4	18.3
7 20	20 32.91	− 6 54.9	1.693	2.684	6.0	18.2
7 30	20 23.66	− 6 59.9	1.698	2.699	4.5	18.1
8 9	20 14.82	− 7 15.0	1.730	2.714	6.4	18.2
8 19	20 7.30	− 7 36.8	1.787	2.729	9.6	18.5
8 29	20 1.80	− 8 1.9	1.868	2.744	12.7	18.7

86105 1999 RG_{110} 7 27.1 271°.41 0°.7/26.8 18

6 20	20 52.03	−20 57.7	2.319	3.158	12.2	19.6
6 30	20 47.26	−21 0.1	2.229	3.149	9.4	19.4
7 10	20 40.60	−21 5.7	2.162	3.139	6.1	19.1
7 20	20 32.53	−21 12.3	2.120	3.130	2.6	18.9
7 30	20 23.79	−21 17.2	2.107	3.120	1.4	18.8
8 9	20 15.24	−21 18.3	2.121	3.110	5.0	19.0
8 19	20 7.70	−21 14.4	2.163	3.101	8.4	19.2
8 29	20 1.88	−21 4.9	2.229	3.091	11.5	19.4

371439 2006 ST_{239} 7 27.1 263°.57 1°.5/27.9 18

6 20	20 53.73	−13 31.8	1.803	2.636	15.3	22.3
6 30	20 49.32	−13 45.3	1.699	2.613	12.2	22.1
7 10	20 42.42	−14 11.1	1.616	2.589	8.3	21.8
7 20	20 33.48	−14 47.6	1.558	2.564	4.0	21.5
7 30	20 23.34	−15 31.0	1.525	2.539	1.8	21.3
8 9	20 13.15	−16 17.0	1.520	2.513	6.1	21.5
8 19	20 4.05	−17 1.0	1.541	2.486	10.6	21.7
8 29	19 57.10	−17 39.6	1.584	2.459	14.7	21.9

168654 2000 DP_{83} 7 27.1 127°.04 3°.2/25.3 18

6 20	20 55.50	−27 23.4	2.212	3.055	12.5	21.0
6 30	20 49.94	−27 55.4	2.146	3.066	9.6	20.8
7 10	20 42.31	−28 27.2	2.102	3.077	6.5	20.6
7 20	20 33.23	−28 54.4	2.085	3.088	3.7	20.5
7 30	20 23.55	−29 13.0	2.096	3.098	3.6	20.5
8 9	20 14.26	−29 20.5	2.134	3.108	6.3	20.7
8 19	20 6.25	−29 16.2	2.199	3.117	9.3	20.9
8 29	20 0.20	−29 1.1	2.287	3.126	12.1	21.1

82515 2001 OK_{50} 7 27.1 351°.29 4°.4/29.3 18

6 20	20 47.12	− 8 17.0	1.273	2.126	19.3	18.8
6 30	20 44.72	− 8 12.2	1.201	2.120	15.6	18.6
7 10	20 39.57	− 8 27.8	1.146	2.116	11.3	18.3
7 20	20 32.28	− 9 3.6	1.113	2.112	6.8	18.1
7 30	20 23.90	− 9 56.4	1.101	2.110	4.4	17.9
8 9	20 15.81	−11 0.1	1.114	2.108	7.4	18.1
8 19	20 9.27	−12 7.5	1.148	2.107	11.9	18.3
8 29	20 5.33	−13 11.9	1.204	2.107	16.3	18.6

180440 2004 BQ_{107} 7 27.1 96°.38 4°.5/24.8 18

6 20	20 55.65	−26 52.4	1.546	2.409	16.0	20.1
6 30	20 50.99	−27 51.7	1.485	2.416	12.4	19.9
7 10	20 43.49	−28 53.5	1.444	2.422	8.4	19.7
7 20	20 33.86	−29 50.4	1.426	2.429	5.1	19.5
7 30	20 23.29	−30 34.9	1.435	2.436	5.2	19.5
8 9	20 13.19	−31 2.2	1.468	2.442	8.5	19.8
8 19	20 4.85	−31 10.8	1.525	2.449	12.3	20.0
8 29	19 59.21	−31 2.4	1.604	2.455	15.7	20.2

87322 2000 QX_{10} 7 27.1 357°.79 2°.4/26.5 16

6 20	20 56.76	−26 1.5	1.301	2.172	17.9	18.6
6 30	20 52.20	−25 40.5	1.233	2.169	13.9	18.3
7 10	20 44.44	−25 18.0	1.183	2.167	9.3	18.1
7 20	20 34.28	−24 50.0	1.156	2.165	4.4	17.8
7 30	20 23.13	−24 13.3	1.153	2.165	3.1	17.7
8 9	20 12.62	−23 26.8	1.175	2.165	7.8	18.0
8 19	20 4.18	−22 32.2	1.220	2.167	12.6	18.3
8 29	19 58.80	−21 32.4	1.285	2.169	16.8	18.5

56170 1999 FK_6 7 27.1 322°.54 1°.3/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 49.04	−14 36.7	1.837	2.681	14.7	19.0
6 30	20 45.44	−14 42.9	1.751	2.671	11.5	18.8
7 10	20 39.66	−14 59.3	1.686	2.662	7.8	18.5
7 20	20 32.22	−15 24.0	1.645	2.652	3.7	18.2
7 30	20 23.94	−15 53.8	1.630	2.644	1.6	18.1
8 9	20 15.83	−16 25.2	1.642	2.635	5.5	18.3
8 19	20 8.87	−16 54.7	1.678	2.627	9.6	18.6
8 29	20 3.89	−17 19.5	1.738	2.620	13.2	18.8

142592 2002 TL_{108} 7 27.1 234°.51 3°.2/25.4 18

6 20	20 55.57	−24 36.7	1.741	2.594	14.9	20.3
6 30	20 50.79	−25 21.0	1.658	2.586	11.5	20.1
7 10	20 43.35	−26 9.9	1.598	2.577	7.7	19.8
7 20	20 33.84	−26 57.5	1.562	2.568	4.1	19.6
7 30	20 23.27	−27 37.6	1.552	2.558	3.8	19.6
8 9	20 12.92	−28 5.3	1.568	2.548	7.5	19.7
8 19	20 4.00	−28 18.3	1.610	2.538	11.5	20.0
8 29	19 57.52	−28 16.9	1.674	2.527	15.1	20.2

422639 1995 SQ_9 7 27.1 253°.79 3°.9/25.3 17

6 20	20 57.32	−26 56.9	1.674	2.529	15.3	21.9
6 30	20 52.31	−27 30.7	1.589	2.516	12.0	21.6
7 10	20 44.45	−28 6.5	1.526	2.503	8.2	21.4
7 20	20 34.34	−28 38.0	1.486	2.490	4.6	21.1
7 30	20 23.07	−28 59.2	1.472	2.477	4.5	21.1
8 9	20 12.05	−29 5.7	1.485	2.463	8.0	21.3
8 19	20 2.59	−28 56.5	1.522	2.449	12.1	21.5
8 29	19 55.77	−28 33.0	1.580	2.434	15.8	21.7

448645 2010 VV_{95} 7 27.1 350°.00 1°.0/27.6 18

6 20	20 48.40	−15 57.6	1.809	2.658	14.6	20.8
6 30	20 44.92	−15 58.6	1.729	2.653	11.4	20.6
7 10	20 39.29	−16 8.3	1.671	2.648	7.6	20.4
7 20	20 32.04	−16 24.7	1.636	2.644	3.5	20.1
7 30	20 24.03	−16 44.9	1.627	2.641	1.4	20.0
8 9	20 16.26	−17 5.7	1.644	2.638	5.5	20.2
8 19	20 9.69	−17 24.1	1.686	2.636	9.5	20.5
8 29	20 5.10	−17 38.2	1.751	2.635	13.1	20.7

252837 2002 GT_{119} 7 27.1 354°.92 3°.8/28.7 18

6 20	20 48.35	−11 18.3	1.117	1.986	20.4	19.5
6 30	20 46.00	−10 59.3	1.051	1.981	16.3	19.3
7 10	20 40.58	−10 58.0	1.001	1.978	11.5	19.0
7 20	20 32.75	−11 14.1	0.971	1.976	6.4	18.7
7 30	20 23.73	−11 44.6	0.963	1.974	3.9	18.6
8 9	20 15.11	−12 24.2	0.978	1.974	7.7	18.8
8 19	20 8.30	−13 6.6	1.013	1.975	12.8	19.1
8 29	20 4.43	−13 46.5	1.068	1.976	17.5	19.3

210243 2007 RB_{205} 7 27.1 352°.73 2°.4/27.9 17

6 20	20 48.24	−15 4.0	0.996	1.882	21.0	19.6
6 30	20 46.28	−14 39.2	0.932	1.875	16.6	19.3
7 10	20 40.94	−14 28.1	0.885	1.870	11.3	19.0
7 20	20 32.95	−14 29.8	0.857	1.865	5.6	18.7
7 30	20 23.65	−14 41.0	0.849	1.863	2.8	18.5
8 9	20 14.81	−14 57.2	0.863	1.861	8.0	18.8
8 19	20 8.02	−15 13.8	0.897	1.861	13.7	19.1
8 29	20 4.48	−15 27.2	0.950	1.863	18.6	19.4

293280 2007 CW_{55} 7 27.1 265°.60 2°.5/29.2 18

6 20	20 47.78	− 7 53.2	2.316	3.126	13.1	20.5
6 30	20 44.02	− 8 27.4	2.222	3.118	10.5	20.3
7 10	20 38.52	− 9 16.1	2.150	3.110	7.4	20.1
7 20	20 31.69	−10 17.7	2.103	3.101	4.3	19.9
7 30	20 24.18	−11 29.0	2.084	3.093	2.5	19.7
8 9	20 16.74	−12 45.4	2.093	3.085	4.8	19.9
8 19	20 10.14	−14 2.2	2.130	3.076	8.1	20.0
8 29	20 5.06	−15 15.1	2.192	3.067	11.1	20.2

293148 2006 YS_5 7 27.1 186°.10 0°.4/27.4 17

6 20	20 54.38	−16 18.8	1.914	2.750	14.5	22.0
6 30	20 49.40	−16 36.4	1.833	2.750	11.2	21.8
7 10	20 42.18	−17 2.9	1.774	2.750	7.5	21.6
7 20	20 33.27	−17 35.5	1.740	2.749	3.3	21.3
7 30	20 23.55	−18 10.2	1.733	2.747	1.2	21.2
8 9	20 14.07	−18 43.2	1.754	2.745	5.5	21.5
8 19	20 5.83	−19 11.5	1.800	2.743	9.5	21.7
8 29	19 59.64	−19 33.1	1.871	2.740	13.1	21.9

504205 2006 UP_{18} 7 27.1 173°.43 4°.2/25.2 17

6 20	20 57.69	−27 43.5	1.668	2.523	15.4	22.0
6 30	20 52.42	−28 22.8	1.598	2.525	11.9	21.8
7 10	20 44.37	−29 2.8	1.549	2.526	8.2	21.5
7 20	20 34.24	−29 37.2	1.524	2.527	4.8	21.3
7 30	20 23.17	−29 59.9	1.525	2.527	4.8	21.3
8 9	20 12.54	−30 7.1	1.552	2.527	8.0	21.5
8 19	20 3.59	−29 58.1	1.604	2.527	11.8	21.8
8 29	19 57.26	−29 34.9	1.677	2.527	15.2	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
75753	2000 AH_{160}		7 27.1	64°.96	0°.9/27.5	17
	h m	° ′			°	m
6 20	20 53.84	−16 46.9	1.774	2.617	15.2	19.4
6 30	20 48.93	−16 38.3	1.710	2.630	11.7	19.2
7 10	20 41.78	−16 37.1	1.667	2.643	7.8	19.0
7 20	20 33.05	−16 41.2	1.648	2.656	3.5	18.7
7 30	20 23.69	−16 47.9	1.656	2.669	1.4	18.6
8 9	20 14.80	−16 54.6	1.690	2.683	5.5	18.9
8 19	20 7.31	−16 59.3	1.750	2.696	9.5	19.2
8 29	20 1.97	−17 0.8	1.834	2.710	12.9	19.4
479410	2013 YV_{58}		7 27.1	199°.51	0°.7/27.5	18
6 20	20 54.81	−16 53.0	2.176	3.004	13.2	21.7
6 30	20 49.46	−16 48.4	2.089	3.001	10.3	21.5
7 10	20 42.08	−16 49.8	2.025	2.998	6.8	21.3
7 20	20 33.20	−16 55.4	1.987	2.994	3.1	21.1
7 30	20 23.61	−17 2.8	1.976	2.990	1.2	20.9
8 9	20 14.26	−17 9.8	1.994	2.985	5.0	21.2
8 19	20 6.00	−17 14.6	2.039	2.980	8.7	21.4
8 29	19 59.59	−17 16.1	2.109	2.975	11.9	21.6
196511	2003 NS_2		7 27.1	359°.64	0°.9/26.5	18
6 20	20 44.43	−14 6.5	1.221	2.096	18.6	18.9
6 30	20 42.88	−15 36.8	1.153	2.093	14.3	18.6
7 10	20 38.51	−17 29.6	1.105	2.091	9.4	18.3
7 20	20 31.89	−19 37.7	1.079	2.090	3.9	18.0
7 30	20 24.12	−21 49.8	1.077	2.090	2.2	17.9
8 9	20 16.60	−23 53.5	1.099	2.092	7.7	18.3
8 19	20 10.69	−25 39.2	1.144	2.095	12.9	18.6
8 29	20 7.50	−27 1.5	1.210	2.099	17.3	18.8
395708	2012 TE_{33}		7 27.1	232°.50	5°.7/23.4	18
6 20	20 57.86	−34 51.4	2.334	3.171	12.2	21.5
6 30	20 52.10	−35 43.2	2.249	3.158	9.8	21.3
7 10	20 43.99	−36 31.5	2.186	3.145	7.4	21.1
7 20	20 34.07	−37 10.2	2.150	3.131	5.8	21.0
7 30	20 23.26	−37 34.0	2.140	3.116	6.2	21.0
8 9	20 12.64	−37 39.7	2.158	3.101	8.2	21.1
8 19	20 3.28	−37 27.1	2.200	3.086	10.8	21.2
8 29	19 56.05	−36 58.2	2.266	3.069	13.3	21.4
444743	2007 HO_{93}		7 27.1	191°.78	3°.4/29.7	18
6 20	20 47.79	− 6 33.4	2.507	3.307	12.5	22.0
6 30	20 43.81	− 6 37.3	2.420	3.307	10.1	21.9
7 10	20 38.26	− 6 53.4	2.355	3.306	7.4	21.7
7 20	20 31.56	− 7 21.1	2.315	3.305	4.7	21.5
7 30	20 24.31	− 7 58.7	2.302	3.304	3.4	21.4
8 9	20 17.20	− 8 43.3	2.317	3.304	4.9	21.5
8 19	20 10.90	− 9 31.6	2.360	3.303	7.6	21.7
8 29	20 6.00	−10 20.4	2.427	3.301	10.3	21.9
62964	2000 VE_{44}		7 27.1	2°.82	3°.0/26.2	18
6 20	20 42.23	−24 10.4	0.880	1.793	20.5	17.6
6 30	20 42.00	−24 16.2	0.829	1.789	15.8	17.3
7 10	20 38.24	−24 26.1	0.795	1.788	10.5	17.0
7 20	20 31.81	−24 34.4	0.779	1.790	4.9	16.7
7 30	20 24.23	−24 35.1	0.783	1.795	3.9	16.7
8 9	20 17.35	−24 23.9	0.806	1.802	9.0	17.0
8 19	20 12.71	−23 59.8	0.849	1.812	14.4	17.3
8 29	20 11.37	−23 24.2	0.909	1.825	19.0	17.7
520091	2013 YE_{146}		7 27.1	274°.47	4°.1/24.9	18
6 20	20 54.09	−26 56.4	1.734	2.593	14.7	21.3
6 30	20 49.76	−27 45.8	1.652	2.581	11.5	21.1
7 10	20 42.75	−28 38.1	1.591	2.569	7.9	20.8
7 20	20 33.64	−29 27.1	1.554	2.557	4.7	20.6
7 30	20 23.45	−30 6.1	1.543	2.545	4.8	20.6
8 9	20 13.46	−30 30.3	1.558	2.533	8.1	20.7
8 19	20 4.90	−30 37.7	1.597	2.520	11.9	20.9
8 29	19 58.80	−30 29.1	1.658	2.508	15.4	21.1
42585	Pheidippides		7 27.1	49°.04	6°.8/31.6	18
6 20	20 48.84	− 0 16.5	1.747	2.541	17.3	18.9
6 30	20 45.21	− 0 1.8	1.675	2.548	14.5	18.8
7 10	20 39.46	− 0 8.2	1.621	2.554	11.4	18.6
7 20	20 32.14	− 0 36.7	1.589	2.561	8.4	18.4
7 30	20 24.09	− 1 26.0	1.581	2.568	6.8	18.4
8 9	20 16.30	− 2 31.8	1.598	2.575	7.7	18.4
8 19	20 9.72	− 3 48.2	1.640	2.582	10.3	18.6
8 29	20 5.09	− 5 8.6	1.706	2.589	13.3	18.8
366793	2004 VA_{57}		7 27.1	244°.54	4°.5/30.2	18
6 20	20 49.16	− 3 15.6	2.915	3.687	11.6	21.3
6 30	20 44.69	− 2 49.2	2.810	3.672	9.6	21.1
7 10	20 38.78	− 2 33.4	2.727	3.657	7.5	20.9
7 20	20 31.79	− 2 28.8	2.670	3.642	5.5	20.8
7 30	20 24.23	− 2 35.4	2.640	3.626	4.5	20.7
8 9	20 16.72	− 2 51.9	2.638	3.609	5.4	20.7
8 19	20 9.86	− 3 16.3	2.664	3.593	7.4	20.8
8 29	20 4.21	− 3 46.0	2.715	3.576	9.7	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
310030	2010 ES_{37}		7 27.1	14°.66	2°.7/28.4	17
	h m	° ′			°	m
6 20	20 49.07	−11 44.9	1.040	1.914	21.2	20.1
6 30	20 46.71	−11 53.8	0.981	1.916	16.8	19.9
7 10	20 41.12	−12 23.5	0.939	1.919	11.5	19.6
7 20	20 33.02	−13 11.4	0.916	1.923	5.9	19.3
7 30	20 23.74	−14 11.6	0.915	1.928	2.9	19.1
8 9	20 14.96	−15 16.0	0.936	1.933	7.7	19.4
8 19	20 8.17	−16 17.0	0.978	1.940	13.1	19.8
8 29	20 4.48	−17 8.8	1.039	1.947	17.9	20.1
488394	2016 WE_{52}		7 27.1	263°.15	4°.1/29.5	18
6 20	20 51.04	− 6 42.7	2.382	3.179	13.2	22.0
6 30	20 46.54	− 6 21.7	2.274	3.158	10.8	21.8
7 10	20 40.22	− 6 11.9	2.188	3.136	8.0	21.5
7 20	20 32.48	− 6 13.6	2.126	3.113	5.4	21.3
7 30	20 23.96	− 6 26.4	2.092	3.091	4.1	21.2
8 9	20 15.44	− 6 48.3	2.085	3.068	5.7	21.3
8 19	20 7.71	− 7 16.9	2.106	3.044	8.6	21.4
8 29	20 1.51	− 7 49.1	2.151	3.020	11.6	21.6
188468	2004 LM_8		7 27.1	331°.96	1°.6/27.8	18
6 20	20 49.50	−15 30.7	1.335	2.200	17.9	19.1
6 30	20 46.63	−15 20.2	1.255	2.187	14.1	18.8
7 10	20 40.91	−15 21.0	1.194	2.174	9.6	18.5
7 20	20 32.93	−15 31.4	1.154	2.162	4.6	18.2
7 30	20 23.77	−15 48.3	1.138	2.151	2.0	18.0
8 9	20 14.84	−16 7.5	1.145	2.141	6.9	18.3
8 19	20 7.48	−16 25.3	1.175	2.132	12.0	18.5
8 29	20 2.79	−16 38.9	1.226	2.124	16.5	18.8
518404	2018 AK_{16}		7 27.1	303°.72	2°.1/25.9	18
6 20	20 51.59	−22 31.2	1.797	2.653	14.4	21.2
6 30	20 47.58	−23 4.8	1.715	2.645	11.1	21.0
7 10	20 41.18	−23 43.9	1.655	2.636	7.3	20.7
7 20	20 32.94	−24 23.9	1.620	2.628	3.4	20.5
7 30	20 23.79	−24 59.6	1.610	2.620	2.8	20.4
8 9	20 14.85	−25 26.6	1.627	2.612	6.6	20.6
8 19	20 7.21	−25 42.6	1.668	2.605	10.6	20.9
8 29	20 1.76	−25 46.9	1.732	2.597	14.1	21.1
399826	2005 TN_{34}		7 27.1	252°.61	3°.5/29.7	18
6 20	20 48.33	− 6 26.0	2.398	3.199	13.0	21.6
6 30	20 44.38	− 6 29.5	2.302	3.189	10.5	21.4
7 10	20 38.74	− 6 46.0	2.228	3.179	7.7	21.2
7 20	20 31.82	− 7 15.0	2.178	3.168	5.0	21.0
7 30	20 24.25	− 7 54.9	2.156	3.158	3.5	20.9
8 9	20 16.76	− 8 42.7	2.161	3.147	5.1	21.0
8 19	20 10.08	− 9 34.8	2.193	3.137	8.0	21.2
8 29	20 4.88	−10 27.6	2.251	3.126	10.9	21.3
441795	2009 FM_9		7 27.1	222°.88	16°.3/ 7.6	17
6 20	20 51.87	+17 8.1	1.286	2.006	25.8	21.1
6 30	20 48.61	+17 58.2	1.211	2.001	23.7	20.9
7 10	20 42.34	+18 8.3	1.146	1.996	21.2	20.7
7 20	20 33.60	+17 29.6	1.097	1.991	18.8	20.6
7 30	20 23.49	+15 56.7	1.064	1.985	16.9	20.4
8 9	20 13.48	+13 32.3	1.051	1.979	16.3	20.4
8 19	20 5.06	+10 26.9	1.059	1.972	17.4	20.4
8 29	19 59.45	+ 6 57.4	1.087	1.964	19.7	20.5
66212	1999 CS_{32}		7 27.1	25°.09	2°.0/26.1	18
6 20	20 49.16	−18 26.0	1.033	1.921	20.2	17.9
6 30	20 46.87	−19 29.6	0.982	1.928	15.5	17.6
7 10	20 41.25	−20 48.5	0.948	1.936	10.1	17.4
7 20	20 33.09	−22 14.4	0.935	1.946	4.3	17.1
7 30	20 23.79	−23 36.9	0.944	1.956	3.1	17.0
8 9	20 15.10	−24 46.3	0.975	1.968	8.6	17.4
8 19	20 8.52	−25 37.1	1.028	1.980	13.8	17.7
8 29	20 5.13	−26 7.5	1.099	1.993	18.3	18.0
350362	2012 UR_{135}		7 27.1	257°.46	4°.1/29.1	18
6 20	20 52.36	− 8 47.4	1.989	2.803	14.8	20.7
6 30	20 47.79	− 8 15.1	1.899	2.795	12.0	20.4
7 10	20 41.13	− 7 53.8	1.831	2.787	8.8	20.2
7 20	20 32.89	− 7 44.1	1.786	2.779	5.6	20.0
7 30	20 23.86	− 7 45.3	1.768	2.771	4.1	19.9
8 9	20 14.99	− 7 55.7	1.777	2.763	6.1	20.0
8 19	20 7.20	− 8 12.6	1.812	2.754	9.5	20.2
8 29	20 1.27	− 8 33.0	1.870	2.746	12.7	20.4
330621	2008 EB_{19}		7 27.1	104°.77	0°.8/27.6	17
6 20	20 55.08	−15 22.8	1.631	2.473	16.3	21.6
6 30	20 50.14	−15 37.6	1.567	2.486	12.6	21.4
7 10	20 42.74	−16 3.0	1.524	2.500	8.4	21.2
7 20	20 33.56	−16 35.9	1.504	2.513	3.8	20.9
7 30	20 23.63	−17 12.0	1.511	2.525	1.4	20.8
8 9	20 14.16	−17 46.8	1.545	2.538	5.9	21.1
8 19	20 6.20	−18 16.8	1.603	2.550	10.2	21.4
8 29	20 0.59	−18 40.1	1.685	2.561	13.9	21.7

340272 2006 BO_{190} 7 27.1 75°.30 4°.0/25.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 57.04	−28 36.5	1.732	2.586	14.9	21.0
6 30	20 51.72	−29 2.6	1.668	2.594	11.6	20.8
7 10	20 43.79	−29 27.5	1.625	2.602	7.9	20.6
7 20	20 34.00	−29 45.7	1.607	2.610	4.7	20.4
7 30	20 23.46	−29 52.3	1.616	2.618	4.6	20.4
8 9	20 13.47	−29 44.8	1.650	2.625	7.6	20.6
8 19	20 5.13	−29 23.4	1.709	2.633	11.1	20.9
8 29	19 59.29	−28 50.0	1.790	2.641	14.4	21.1

171073 2005 EQ_{167} 7 27.1 248°.93 1°.8/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.34	−22 43.6	1.956	2.805	13.7	20.3
6 30	20 48.66	−23 4.5	1.876	2.801	10.6	20.1
7 10	20 41.75	−23 29.2	1.818	2.798	6.9	19.8
7 20	20 33.16	−23 53.8	1.785	2.794	3.2	19.6
7 30	20 23.78	−24 14.3	1.779	2.790	2.4	19.5
8 9	20 14.67	−24 27.3	1.800	2.786	6.0	19.8
8 19	20 6.82	−24 31.2	1.847	2.783	9.8	20.0
8 29	20 1.03	−24 25.9	1.917	2.779	13.1	20.2

242337 2003 YB_{106} 7 27.1 287°.55 4°.0/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.38	−25 35.8	1.866	2.724	13.9	20.3
6 30	20 47.58	−26 47.8	1.779	2.708	10.8	20.1
7 10	20 41.32	−28 5.6	1.713	2.692	7.3	19.9
7 20	20 33.09	−29 22.8	1.673	2.676	4.4	19.6
7 30	20 23.77	−30 32.0	1.660	2.660	4.7	19.6
8 9	20 14.51	−31 27.3	1.673	2.644	7.9	19.8
8 19	20 6.45	−32 5.2	1.710	2.628	11.5	20.0
8 29	20 0.60	−32 25.0	1.770	2.613	14.9	20.2

254289 2004 RG_{238} 7 27.1 264°.60 3°.2/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 47.91	− 7 19.1	2.426	3.231	12.7	21.0
6 30	20 44.05	− 7 23.3	2.331	3.221	10.3	20.8
7 10	20 38.53	− 7 39.7	2.257	3.211	7.5	20.6
7 20	20 31.76	− 8 7.9	2.208	3.201	4.7	20.5
7 30	20 24.34	− 8 46.1	2.187	3.191	3.3	20.3
8 9	20 17.02	− 9 31.4	2.193	3.180	5.0	20.4
8 19	20 10.49	−10 20.3	2.226	3.170	7.9	20.6
8 29	20 5.41	−11 9.4	2.284	3.160	10.8	20.8

379563 2011 AJ_{72} 7 27.2 143°.91 1°.5/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.21	−21 34.3	1.812	2.658	14.7	21.6
6 30	20 50.93	−22 0.1	1.742	2.665	11.3	21.4
7 10	20 43.25	−22 31.0	1.693	2.672	7.4	21.2
7 20	20 33.80	−23 2.6	1.669	2.679	3.3	21.0
7 30	20 23.58	−23 30.2	1.673	2.685	2.3	20.9
8 9	20 13.74	−23 50.1	1.703	2.690	6.2	21.2
8 19	20 5.35	−24 0.5	1.759	2.695	10.1	21.4
8 29	19 59.22	−24 1.1	1.839	2.700	13.6	21.7

255067 2005 TD_{191} 7 27.2 150°.03 7°.3/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 47.79	+ 4 8.6	2.340	3.089	14.7	20.4
6 30	20 43.95	+ 4 36.6	2.255	3.090	12.6	20.3
7 10	20 38.45	+ 4 46.8	2.191	3.090	10.5	20.1
7 20	20 31.72	+ 4 37.5	2.148	3.090	8.5	20.0
7 30	20 24.41	+ 4 8.5	2.130	3.091	7.3	19.9
8 9	20 17.24	+ 3 22.2	2.138	3.091	7.7	20.0
8 19	20 10.92	+ 2 22.2	2.171	3.091	9.3	20.1
8 29	20 6.09	+ 1 13.4	2.228	3.091	11.5	20.2

25565 Lusiyang 7 27.2 216°.26 2°.9/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.18	−24 4.3	1.969	2.821	13.5	19.1
6 30	20 47.85	−24 59.3	1.892	2.819	10.4	18.9
7 10	20 41.28	−25 58.8	1.838	2.818	6.9	18.7
7 20	20 33.00	−26 57.7	1.810	2.816	3.6	18.5
7 30	20 23.89	−27 50.1	1.808	2.814	3.5	18.5
8 9	20 15.00	−28 31.3	1.834	2.812	6.7	18.7
8 19	20 7.33	−28 58.9	1.884	2.810	10.2	18.9
8 29	20 1.72	−29 12.5	1.958	2.807	13.4	19.1

516239 2016 UO_{60} 7 27.2 186°.86 8°.8/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 48.86	+14 0.1	3.036	3.694	13.3	22.3
6 30	20 44.43	+14 48.6	2.948	3.693	12.0	22.2
7 10	20 38.60	+15 20.0	2.878	3.692	10.7	22.1
7 20	20 31.76	+15 31.8	2.829	3.691	9.6	22.0
7 30	20 24.40	+15 22.9	2.804	3.689	8.9	22.0
8 9	20 17.13	+14 53.8	2.803	3.687	8.9	22.0
8 19	20 10.54	+14 6.9	2.826	3.684	9.5	22.0
8 29	20 5.14	+13 6.1	2.873	3.681	10.7	22.1

509626 2008 FL_{53} 7 27.2 78°.17 1°.0/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 50.98	−20 21.5	2.198	3.041	12.6	21.6
6 30	20 46.48	−20 48.1	2.130	3.053	9.6	21.4
7 10	20 40.11	−21 19.6	2.086	3.064	6.2	21.2
7 20	20 32.41	−21 52.7	2.067	3.076	2.7	21.0
7 30	20 24.16	−22 23.7	2.075	3.088	1.6	20.9
8 9	20 16.21	−22 49.5	2.112	3.100	5.1	21.2
8 19	20 9.37	−23 8.2	2.174	3.111	8.4	21.4
8 29	20 4.29	−23 18.9	2.261	3.123	11.4	21.6

18879 1999 XJ_{143} 7 27.2 340°.39 11°.0/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 44.34	+ 4 13.2	1.399	2.197	20.6	17.0
6 30	20 42.46	+ 5 12.7	1.318	2.183	18.1	16.7
7 10	20 38.10	+ 5 46.3	1.253	2.170	15.3	16.5
7 20	20 31.77	+ 5 49.1	1.207	2.158	12.7	16.3
7 30	20 24.37	+ 5 18.4	1.180	2.148	11.1	16.2
8 9	20 17.08	+ 4 16.5	1.175	2.138	11.5	16.2
8 19	20 11.08	+ 2 49.6	1.192	2.130	13.7	16.3
8 29	20 7.39	+ 1 7.2	1.228	2.123	16.7	16.5

129453 1991 TO_{16} 7 27.2 242°.34 7°.6/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 49.99	+ 2 30.0	2.046	2.811	16.0	20.6
6 30	20 45.96	+ 3 1.0	1.954	2.802	13.8	20.4
7 10	20 39.96	+ 3 13.0	1.882	2.793	11.3	20.2
7 20	20 32.45	+ 3 4.0	1.831	2.784	8.9	20.0
7 30	20 24.13	+ 2 33.4	1.805	2.775	7.6	19.9
8 9	20 15.90	+ 1 43.6	1.804	2.766	8.3	20.0
8 19	20 8.63	+ 0 38.8	1.829	2.756	10.4	20.1
8 29	20 3.10	− 0 35.1	1.877	2.746	13.0	20.2

274399 2008 RQ_{122} 7 27.2 5°.69 5°.2/24.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.28	−27 57.1	1.264	2.146	17.6	20.5
6 30	20 48.24	−28 42.8	1.205	2.146	13.7	20.3
7 10	20 42.04	−29 29.8	1.164	2.147	9.4	20.0
7 20	20 33.43	−30 10.3	1.145	2.149	5.8	19.8
7 30	20 23.76	−30 36.6	1.150	2.152	5.9	19.8
8 9	20 14.65	−30 44.2	1.177	2.156	9.5	20.0
8 19	20 7.52	−30 32.2	1.226	2.161	13.6	20.3
8 29	20 3.40	−30 3.0	1.295	2.167	17.4	20.6

302249 2001 XP_{32} 7 27.2 248°.84 0°.5/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 50.64	−18 42.2	2.282	3.120	12.4	21.4
6 30	20 46.33	−19 9.3	2.192	3.111	9.5	21.2
7 10	20 40.13	−19 43.0	2.124	3.102	6.2	21.0
7 20	20 32.50	−20 20.3	2.082	3.092	2.6	20.7
7 30	20 24.13	−20 57.7	2.068	3.082	1.3	20.6
8 9	20 15.89	−21 31.7	2.082	3.072	5.0	20.9
8 19	20 8.61	−21 59.6	2.123	3.062	8.5	21.1
8 29	20 3.00	−22 19.8	2.189	3.051	11.7	21.2

257006 2008 EC_{154} 7 27.2 43°.01 1°.3/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 49.80	−14 17.0	2.096	2.930	13.5	20.6
6 30	20 45.66	−14 21.5	2.021	2.934	10.5	20.4
7 10	20 39.64	−14 34.8	1.967	2.939	7.1	20.2
7 20	20 32.25	−14 55.1	1.938	2.944	3.4	20.0
7 30	20 24.25	−15 19.8	1.936	2.949	1.6	19.9
8 9	20 16.51	−15 45.8	1.961	2.954	4.9	20.1
8 19	20 9.83	−16 10.5	2.013	2.959	8.4	20.4
8 29	20 4.89	−16 31.7	2.089	2.965	11.6	20.6

38880 2000 SD_{123} 7 27.2 196°.08 4°.6/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.28	− 3 21.3	2.352	3.134	13.7	20.2
6 30	20 46.65	− 3 19.2	2.261	3.131	11.3	20.0
7 10	20 40.25	− 3 31.8	2.190	3.128	8.6	19.9
7 20	20 32.52	− 3 59.3	2.144	3.124	6.0	19.7
7 30	20 24.13	− 4 40.2	2.126	3.120	4.6	19.6
8 9	20 15.86	− 5 31.5	2.135	3.115	5.8	19.7
8 19	20 8.47	− 6 29.4	2.171	3.109	8.4	19.8
8 29	20 2.62	− 7 29.7	2.233	3.102	11.2	20.0

171833 2001 FA_{161} 7 27.2 181°.71 1°.9/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.26	−21 48.9	1.804	2.651	14.8	20.7
6 30	20 51.11	−22 23.7	1.728	2.652	11.4	20.5
7 10	20 43.48	−23 4.1	1.673	2.652	7.5	20.3
7 20	20 33.97	−23 45.4	1.643	2.652	3.4	20.0
7 30	20 23.57	−24 22.3	1.641	2.652	2.6	20.0
8 9	20 13.47	−24 50.6	1.665	2.650	6.5	20.2
8 19	20 4.77	−25 7.7	1.715	2.649	10.5	20.5
8 29	19 58.38	−25 13.5	1.788	2.647	14.0	20.7

92077 1999 XB_{7} 7 27.2 242°.52 2°.3/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.04	−24 54.3	2.512	3.355	11.2	20.0
6 30	20 46.50	−25 27.1	2.426	3.347	8.6	19.8
7 10	20 40.17	−26 2.0	2.363	3.340	5.7	19.6
7 20	20 32.49	−26 35.5	2.326	3.332	3.0	19.5
7 30	20 24.17	−27 3.8	2.318	3.324	2.8	19.4
8 9	20 16.00	−27 24.1	2.338	3.316	5.5	19.6
8 19	20 8.77	−27 34.9	2.384	3.308	8.4	19.8
8 29	20 3.15	−27 35.9	2.455	3.300	11.1	19.9

92371 2000 HQ_{50} 7 27.2 1°.81 0°.5/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 49.87	−16 37.4	1.056	1.938	20.3	19.0
6 30	20 47.45	−16 48.0	0.994	1.936	15.9	18.7
7 10	20 41.71	−17 12.9	0.949	1.935	10.5	18.4
7 20	20 33.38	−17 48.3	0.924	1.935	4.6	18.1
7 30	20 23.81	−18 28.1	0.922	1.936	1.7	17.9
8 9	20 14.73	−19 5.5	0.941	1.938	7.8	18.3
8 19	20 7.67	−19 35.6	0.981	1.941	13.4	18.6
8 29	20 3.79	−19 55.2	1.041	1.945	18.2	18.9

448585 2010 TU_{44} 7 27.2 273°.93 4°.5/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 48.36	− 4 50.5	2.334	3.129	13.4	21.6
6 30	20 44.47	− 4 36.8	2.239	3.119	11.0	21.4
7 10	20 38.86	− 4 36.2	2.165	3.109	8.4	21.2
7 20	20 31.95	− 4 49.2	2.116	3.099	5.8	21.0
7 30	20 24.38	− 5 14.8	2.092	3.088	4.5	20.9
8 9	20 16.90	− 5 50.7	2.096	3.078	5.7	21.0
8 19	20 10.26	− 6 33.6	2.127	3.068	8.4	21.2
8 29	20 5.11	− 7 19.8	2.182	3.057	11.2	21.3

352246 2007 TB_{161} 7 27.2 268°.28 8°.4/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 49.40	+ 3 52.9	2.053	2.811	16.2	20.9
6 30	20 45.51	+ 4 38.0	1.963	2.803	14.0	20.7
7 10	20 39.67	+ 5 4.4	1.892	2.794	11.7	20.5
7 20	20 32.34	+ 5 9.3	1.843	2.786	9.6	20.4
7 30	20 24.23	+ 4 51.6	1.817	2.777	8.4	20.3
8 9	20 16.21	+ 4 12.9	1.816	2.768	8.9	20.3
8 19	20 9.13	+ 3 16.9	1.839	2.759	10.7	20.4
8 29	20 3.78	+ 2 9.3	1.886	2.751	13.2	20.5

379362 2009 WE_{188} 7 27.2 178°.79 4°.2/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.52	− 7 34.8	2.011	2.817	14.9	22.1
6 30	20 48.60	− 7 13.1	1.928	2.819	12.1	21.9
7 10	20 41.64	− 7 4.1	1.867	2.819	8.9	21.7
7 20	20 33.15	− 7 7.8	1.829	2.820	5.7	21.5
7 30	20 23.93	− 7 23.2	1.818	2.820	4.2	21.4
8 9	20 14.93	− 7 47.7	1.834	2.819	6.0	21.5
8 19	20 7.04	− 8 18.1	1.877	2.819	9.2	21.7
8 29	20 1.02	− 8 50.9	1.944	2.817	12.4	21.9

512875 2016 WY_{12} 7 27.2 156°.14 0°.3/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.88	−18 12.5	2.408	3.238	12.1	21.5
6 30	20 47.78	−18 6.1	2.327	3.241	9.3	21.3
7 10	20 40.91	−18 4.2	2.269	3.244	6.1	21.1
7 20	20 32.78	−18 5.1	2.238	3.246	2.7	20.9
7 30	20 24.10	−18 6.6	2.234	3.248	1.0	20.8
8 9	20 15.67	−18 7.0	2.259	3.250	4.5	21.0
8 19	20 8.25	−18 5.0	2.312	3.252	7.8	21.2
8 29	20 2.46	−17 59.9	2.389	3.254	10.7	21.4

212850 2007 VL_{54} 7 27.2 185°.03 0°.4/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.20	−15 51.1	2.454	3.280	12.0	21.9
6 30	20 46.54	−16 13.8	2.369	3.280	9.3	21.7
7 10	20 40.15	−16 44.1	2.307	3.280	6.1	21.5
7 20	20 32.48	−17 19.4	2.271	3.279	2.7	21.2
7 30	20 24.21	−17 56.9	2.264	3.278	1.0	21.1
8 9	20 16.09	−18 33.3	2.285	3.276	4.5	21.4
8 19	20 8.88	−19 5.9	2.334	3.274	7.8	21.6
8 29	20 3.22	−19 32.9	2.408	3.272	10.7	21.8

506284 2016 UC_{145} 7 27.2 20°.42 2°.0/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.77	−22 57.4	1.744	2.601	14.8	20.9
6 30	20 48.45	−23 19.5	1.673	2.603	11.3	20.7
7 10	20 41.72	−23 45.6	1.624	2.605	7.4	20.5
7 20	20 33.22	−24 11.4	1.599	2.607	3.4	20.2
7 30	20 23.93	−24 32.4	1.599	2.610	2.6	20.2
8 9	20 15.01	−24 44.9	1.626	2.613	6.5	20.4
8 19	20 7.51	−24 47.6	1.678	2.617	10.4	20.7
8 29	20 2.27	−24 40.2	1.753	2.620	13.9	20.9

383198 2005 YV_{29} 7 27.2 219°.24 2°.4/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.47	−23 16.3	2.222	3.062	12.6	22.2
6 30	20 49.46	−24 6.8	2.132	3.053	9.7	22.0
7 10	20 42.30	−25 2.2	2.066	3.043	6.4	21.8
7 20	20 33.50	−25 57.9	2.026	3.033	3.2	21.6
7 30	20 23.82	−26 48.7	2.014	3.021	3.0	21.5
8 9	20 14.24	−27 30.2	2.031	3.009	6.1	21.7
8 19	20 5.71	−27 59.8	2.074	2.997	9.5	21.9
8 29	19 59.06	−28 16.9	2.141	2.983	12.6	22.1

333460 2004 PD_{73} 7 27.2 321°.35 0°.8/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 47.30	−17 52.1	1.316	2.191	17.6	20.1
6 30	20 45.29	−18 24.8	1.224	2.163	13.8	19.8
7 10	20 40.35	−19 11.5	1.151	2.137	9.2	19.5
7 20	20 32.93	−20 8.6	1.100	2.110	3.9	19.1
7 30	20 24.02	−21 9.5	1.071	2.085	2.0	18.9
8 9	20 15.06	−22 6.7	1.067	2.061	7.7	19.2
8 19	20 7.55	−22 54.1	1.084	2.037	13.1	19.4
8 29	20 2.80	−23 27.7	1.121	2.015	18.0	19.6

88141 2000 WE_{174} 7 27.2 158°.56 6°.2/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.82	−33 53.1	2.257	3.104	12.2	19.0
6 30	20 48.38	−35 29.7	2.190	3.105	9.7	18.8
7 10	20 41.69	−37 4.6	2.146	3.106	7.5	18.7
7 20	20 33.26	−38 30.7	2.129	3.106	6.2	18.6
7 30	20 23.94	−39 41.1	2.139	3.107	6.8	18.6
8 9	20 14.79	−40 31.7	2.176	3.107	8.8	18.7
8 19	20 6.80	−41 0.8	2.236	3.108	11.2	18.9
8 29	20 0.85	−41 9.9	2.319	3.108	13.5	19.1

19449 1998 FE_{125} 7 27.2 44°.48 5°.6/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 48.91	− 2 53.6	1.537	2.353	18.3	17.8
6 30	20 45.54	− 2 59.8	1.473	2.365	15.0	17.6
7 10	20 39.84	− 3 28.7	1.428	2.377	11.3	17.5
7 20	20 32.45	− 4 19.7	1.404	2.390	7.7	17.3
7 30	20 24.31	− 5 29.5	1.405	2.404	5.6	17.2
8 9	20 16.53	− 6 52.0	1.430	2.417	7.1	17.3
8 19	20 10.12	− 8 19.8	1.480	2.432	10.5	17.5
8 29	20 5.88	− 9 45.9	1.553	2.446	13.9	17.8

346668 2008 YP_{26} 7 27.2 319°.96 3°.0/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.69	−11 3.7	1.896	2.722	15.0	20.6
6 30	20 47.36	−10 47.1	1.815	2.721	11.9	20.4
7 10	20 40.92	−10 41.6	1.755	2.720	8.4	20.2
7 20	20 32.91	−10 46.6	1.719	2.719	4.8	20.0
7 30	20 24.14	−11 0.4	1.710	2.718	3.0	19.8
8 9	20 15.61	−11 20.3	1.727	2.717	5.7	20.0
8 19	20 8.25	−11 43.2	1.769	2.717	9.3	20.2
8 29	20 2.82	−12 6.3	1.836	2.716	12.7	20.4

135573 2002 GH_{42} 7 27.2 2°.95 6°.4/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 44.78	−28 37.3	0.828	1.743	21.2	18.5
6 30	20 44.44	−29 15.4	0.780	1.739	16.6	18.3
7 10	20 40.15	−29 53.3	0.748	1.738	11.5	18.0
7 20	20 32.83	−30 21.6	0.734	1.740	7.2	17.8
7 30	20 24.19	−30 30.9	0.738	1.744	7.2	17.8
8 9	20 16.36	−30 16.5	0.762	1.750	11.4	18.0
8 19	20 11.08	−29 39.1	0.804	1.758	16.3	18.3
8 29	20 9.49	−28 43.1	0.862	1.769	20.7	18.6

143746 2003 UD_{259} 7 27.2 126°.36 3°.7/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.52	−10 11.8	1.563	2.394	17.4	20.3
6 30	20 49.92	− 9 51.3	1.491	2.399	13.9	20.1
7 10	20 42.78	− 9 44.8	1.438	2.403	9.9	19.8
7 20	20 33.74	− 9 51.8	1.408	2.407	5.8	19.6
7 30	20 23.82	−10 10.3	1.403	2.411	3.8	19.5
8 9	20 14.26	−10 36.8	1.424	2.414	6.6	19.7
8 19	20 6.17	−11 7.2	1.469	2.418	10.7	19.9
8 29	20 0.45	−11 37.9	1.537	2.421	14.5	20.2

168761 2000 QQ_{212} 7 27.2 253°.96 1°.6/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.23	−21 25.1	1.646	2.496	15.8	20.3
6 30	20 52.36	−21 45.6	1.553	2.479	12.3	20.1
7 10	20 44.66	−22 12.4	1.482	2.461	8.2	19.8
7 20	20 34.67	−22 41.3	1.434	2.443	3.6	19.5
7 30	20 23.41	−23 6.9	1.412	2.424	2.4	19.3
8 9	20 12.26	−23 24.6	1.417	2.405	7.0	19.6
8 19	20 2.53	−23 32.1	1.447	2.386	11.7	19.8
8 29	19 55.36	−23 28.7	1.498	2.366	15.8	20.0

323678 2005 EN_{221} 7 27.2 92°.60 2°.0/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.11	−21 41.1	1.505	2.361	16.7	21.1
6 30	20 51.99	−22 17.3	1.448	2.377	12.8	20.9
7 10	20 44.12	−22 59.6	1.412	2.393	8.3	20.7
7 20	20 34.27	−23 42.4	1.400	2.409	3.7	20.5
7 30	20 23.64	−24 19.4	1.414	2.425	2.8	20.5
8 9	20 13.59	−24 46.2	1.453	2.440	7.0	20.8
8 19	20 5.32	−25 0.7	1.517	2.455	11.3	21.1
8 29	19 59.68	−25 3.1	1.602	2.470	14.9	21.3

42434 2121 $T\text{-}_3$ 7 27.2 185°.65 5°.6/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.92	−36 52.4	2.593	3.426	11.2	19.6
6 30	20 50.33	−37 36.4	2.521	3.426	9.1	19.5
7 10	20 42.71	−38 14.9	2.473	3.425	7.0	19.4
7 20	20 33.62	−38 43.1	2.450	3.425	5.7	19.3
7 30	20 23.89	−38 56.8	2.455	3.424	6.0	19.3
8 9	20 14.48	−38 54.0	2.487	3.423	7.7	19.4
8 19	20 6.26	−38 34.9	2.544	3.421	9.8	19.5
8 29	19 59.94	−38 1.4	2.624	3.420	11.9	19.7

381741 2009 SN_{34} 7 27.2 300°.19 4°.1/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.03	−26 54.6	1.481	2.347	16.4	21.5
6 30	20 51.05	−27 25.2	1.395	2.328	12.8	21.2
7 10	20 43.99	−27 58.1	1.328	2.309	8.8	20.9
7 20	20 34.43	−28 27.0	1.285	2.290	5.0	20.7
7 30	20 23.52	−28 45.2	1.266	2.271	4.8	20.6
8 9	20 12.79	−28 47.8	1.271	2.253	8.6	20.8
8 19	20 3.72	−28 33.5	1.300	2.234	13.1	21.0
8 29	19 57.52	−28 3.8	1.349	2.216	17.2	21.2

444966 2008 DL_{87} 7 27.2 94°.48 1°.0/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.03	−20 17.5	2.244	3.086	12.4	21.7
6 30	20 46.55	−20 45.2	2.172	3.094	9.5	21.6
7 10	20 40.22	−21 17.9	2.123	3.102	6.2	21.4
7 20	20 32.56	−21 52.3	2.100	3.110	2.6	21.2
7 30	20 24.31	−22 24.8	2.105	3.118	1.6	21.1
8 9	20 16.34	−22 52.2	2.138	3.126	5.0	21.3
8 19	20 9.43	−23 12.5	2.197	3.134	8.4	21.6
8 29	20 4.24	−23 24.7	2.281	3.141	11.3	21.8

23318 Salvadorsanchez 7 27.2 42°.19 2°.7/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 47.56	− 8 16.8	2.210	3.025	13.5	17.3
6 30	20 43.90	− 8 39.8	2.131	3.030	10.7	17.1
7 10	20 38.51	− 9 16.4	2.074	3.035	7.6	16.9
7 20	20 31.85	−10 5.1	2.042	3.040	4.4	16.8
7 30	20 24.59	−11 2.7	2.036	3.045	2.7	16.6
8 9	20 17.52	−12 5.2	2.059	3.050	4.8	16.8
8 19	20 11.38	−13 8.3	2.108	3.055	8.0	17.0
8 29	20 6.81	−14 8.2	2.182	3.061	11.0	17.2

241714 2000 TX_{27} 7 27.2 11°.14 5°.9/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 48.51	− 2 11.4	2.044	2.836	15.2	20.0
6 30	20 44.76	− 1 45.8	1.963	2.836	12.7	19.8
7 10	20 39.14	− 1 36.5	1.903	2.837	9.9	19.6
7 20	20 32.14	− 1 44.2	1.865	2.838	7.3	19.4
7 30	20 24.47	− 2 8.6	1.852	2.840	5.9	19.4
8 9	20 17.00	− 2 47.0	1.866	2.841	6.9	19.4
8 19	20 10.52	− 3 35.5	1.904	2.843	9.3	19.6
8 29	20 5.74	− 4 29.4	1.967	2.845	12.1	19.8

519082 2010 LZ_{46} 7 27.2 98°.77 5°.7/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 50.95	− 2 35.6	2.256	3.038	14.2	20.9
6 30	20 46.38	− 1 54.3	2.179	3.045	11.9	20.7
7 10	20 40.06	− 1 26.7	2.122	3.052	9.3	20.6
7 20	20 32.49	− 1 13.9	2.089	3.059	6.9	20.4
7 30	20 24.35	− 1 16.0	2.083	3.066	5.7	20.4
8 9	20 16.44	− 1 31.3	2.103	3.073	6.7	20.5
8 19	20 9.49	− 1 57.1	2.149	3.079	8.9	20.6
8 29	20 4.13	− 2 29.7	2.219	3.086	11.4	20.8

295565 Hannover 7 27.2 311°.61 4°.3/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.38	−27 47.6	1.542	2.407	15.9	20.1
6 30	20 50.37	−28 16.8	1.460	2.392	12.4	19.9
7 10	20 43.41	−28 47.1	1.398	2.377	8.6	19.6
7 20	20 34.13	−29 12.1	1.359	2.362	5.0	19.4
7 30	20 23.67	−29 25.8	1.344	2.348	4.9	19.3
8 9	20 13.47	−29 23.8	1.355	2.334	8.4	19.5
8 19	20 4.91	−29 5.4	1.389	2.321	12.6	19.7
8 29	19 59.08	−28 32.3	1.443	2.308	16.5	19.9

169758 2002 PF_{34} 7 27.2 359°.19 2°.9/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.53	−25 52.8	1.420	2.290	16.7	19.1
6 30	20 49.60	−25 54.6	1.352	2.288	13.0	18.8
7 10	20 42.77	−25 56.9	1.303	2.286	8.6	18.6
7 20	20 33.78	−25 55.2	1.277	2.285	4.3	18.3
7 30	20 23.85	−25 44.9	1.275	2.285	3.5	18.3
8 9	20 14.44	−25 23.8	1.298	2.286	7.6	18.5
8 19	20 6.82	−24 51.9	1.344	2.288	12.0	18.8
8 29	20 1.95	−24 11.0	1.412	2.291	15.9	19.0

342110 2008 SB_{87} 7 27.2 353°.35 11°.1/24.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.92	−41 18.7	1.165	2.038	19.5	20.2
6 30	20 54.25	−41 56.5	1.107	2.030	16.4	19.9
7 10	20 46.41	−42 19.3	1.065	2.023	13.3	19.7
7 20	20 35.45	−42 16.1	1.043	2.018	11.3	19.6
7 30	20 23.23	−41 38.7	1.041	2.014	11.5	19.6
8 9	20 12.01	−40 25.8	1.061	2.012	13.8	19.7
8 19	20 3.59	−38 43.2	1.101	2.012	17.0	19.9
8 29	19 59.08	−36 40.3	1.158	2.013	20.3	20.1

397748 2008 FQ_{55} 7 27.2 338°.75 4°.6/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 47.58	− 5 9.1	2.032	2.840	14.8	20.4
6 30	20 44.12	− 4 59.3	1.947	2.835	12.1	20.2
7 10	20 38.77	− 5 4.7	1.882	2.831	9.1	20.0
7 20	20 32.01	− 5 25.5	1.841	2.827	6.1	19.9
7 30	20 24.55	− 6 0.3	1.825	2.823	4.6	19.8
8 9	20 17.24	− 6 45.8	1.835	2.820	6.1	19.8
8 19	20 10.91	− 7 38.0	1.871	2.817	9.0	20.0
8 29	20 6.26	− 8 32.4	1.931	2.814	12.1	20.2

503650 2016 GM_{192} 7 27.2 96°.90 2°.1/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.10	−11 11.1	1.496	2.336	17.6	21.2
6 30	20 48.93	−11 35.7	1.430	2.346	13.9	21.0
7 10	20 42.19	−12 16.9	1.383	2.355	9.5	20.8
7 20	20 33.52	−13 11.7	1.359	2.364	4.8	20.5
7 30	20 23.97	−14 15.1	1.361	2.373	2.3	20.4
8 9	20 14.81	−15 20.6	1.388	2.382	6.2	20.7
8 19	20 7.16	−16 22.6	1.440	2.391	10.7	21.0
8 29	20 1.94	−17 16.6	1.514	2.400	14.6	21.2

408509 2013 JW_{30} 7 27.2 30°.28 5°.2/30.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 48.70	− 5 1.8	1.151	1.998	21.3	19.9
6 30	20 46.14	− 5 16.0	1.092	2.005	17.3	19.6
7 10	20 40.66	− 5 57.7	1.048	2.013	12.7	19.4
7 20	20 32.95	− 7 5.6	1.025	2.021	8.0	19.1
7 30	20 24.20	− 8 34.5	1.023	2.030	5.2	19.0
8 9	20 15.89	−10 15.1	1.045	2.040	7.7	19.2
8 19	20 9.32	−11 57.2	1.090	2.050	12.3	19.5
8 29	20 5.55	−13 32.0	1.155	2.061	16.6	19.8

175718 Wuzhengyi 7 27.2 167°.98 1°.1/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 56.67	−20 21.8	1.854	2.696	14.6	21.1
6 30	20 51.33	−20 47.7	1.779	2.700	11.3	20.9
7 10	20 43.60	−21 19.6	1.726	2.704	7.4	20.7
7 20	20 34.09	−21 53.6	1.697	2.706	3.2	20.4
7 30	20 23.77	−22 25.0	1.696	2.709	1.9	20.3
8 9	20 13.76	−22 49.9	1.722	2.710	6.0	20.6
8 19	20 5.13	−23 6.0	1.775	2.712	10.0	20.9
8 29	19 58.71	−23 12.7	1.850	2.712	13.5	21.1

122439 2000 QS_{123} 7 27.2 302°.72 2°.7/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.16	−24 12.9	1.569	2.431	15.9	19.6
6 30	20 50.32	−24 33.3	1.469	2.401	12.4	19.3
7 10	20 43.54	−24 58.1	1.389	2.371	8.4	19.0
7 20	20 34.30	−25 22.4	1.332	2.341	4.1	18.6
7 30	20 23.62	−25 40.4	1.301	2.311	3.4	18.5
8 9	20 12.90	−25 47.3	1.294	2.281	7.8	18.7
8 19	20 3.58	−25 40.9	1.311	2.251	12.6	18.9
8 29	19 56.91	−25 21.3	1.350	2.222	16.9	19.1

131308 2001 FN_{154} 7 27.2 64°.63 1°.7/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.68	−19 51.8	1.352	2.216	17.8	20.0
6 30	20 50.38	−20 37.3	1.299	2.233	13.6	19.8
7 10	20 43.20	−21 32.0	1.267	2.249	8.8	19.6
7 20	20 33.95	−22 29.6	1.256	2.266	3.8	19.3
7 30	20 23.85	−23 22.8	1.271	2.283	2.6	19.3
8 9	20 14.36	−24 5.8	1.311	2.300	7.3	19.6
8 19	20 6.72	−24 35.4	1.374	2.318	11.8	19.9
8 29	20 1.83	−24 51.0	1.459	2.335	15.6	20.2

162016 1994 TC_{12} 7 27.2 274°.67 0°.9/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.22	−15 13.8	1.895	2.734	14.5	20.7
6 30	20 47.16	−15 26.9	1.808	2.726	11.3	20.5
7 10	20 40.91	−15 49.8	1.743	2.718	7.6	20.2
7 20	20 32.98	−16 20.3	1.702	2.709	3.5	20.0
7 30	20 24.20	−16 54.9	1.687	2.701	1.3	19.8
8 9	20 15.57	−17 29.7	1.699	2.693	5.4	20.0
8 19	20 8.08	−18 1.3	1.738	2.684	9.5	20.3
8 29	20 2.57	−18 27.3	1.799	2.676	13.1	20.5

468631 2008 RW_{34} 7 27.2 19°.71 8°.8/ 1.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 44.42	+ 1 17.6	1.142	1.972	22.5	20.2
6 30	20 42.73	+ 1 36.4	1.089	1.983	19.0	20.0
7 10	20 38.33	+ 1 23.4	1.052	1.995	15.1	19.8
7 20	20 31.93	+ 0 36.8	1.032	2.008	11.3	19.7
7 30	20 24.64	− 0 40.9	1.033	2.023	9.0	19.6
8 9	20 17.83	− 2 21.7	1.056	2.039	9.7	19.7
8 19	20 12.67	− 4 14.6	1.101	2.057	12.6	19.9
8 29	20 10.08	− 6 8.6	1.166	2.076	16.2	20.2

183929 2004 DL_{2} 7 27.2 55°.99 3°.5/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.33	−24 40.3	1.390	2.258	17.2	20.1
6 30	20 50.97	−25 22.9	1.333	2.268	13.2	19.9
7 10	20 43.65	−26 9.4	1.297	2.279	8.8	19.6
7 20	20 34.17	−26 53.1	1.283	2.290	4.6	19.4
7 30	20 23.78	−27 27.1	1.293	2.301	4.2	19.4
8 9	20 13.99	−27 46.8	1.329	2.312	8.1	19.7
8 19	20 6.08	−27 50.7	1.388	2.324	12.3	20.0
8 29	20 0.99	−27 40.1	1.467	2.336	16.0	20.2

111522 2001 YG_{100} 7 27.2 258°.61 0°.2/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 50.21	−17 45.1	2.166	3.005	12.9	20.1
6 30	20 46.08	−18 11.4	2.084	3.004	9.9	19.9
7 10	20 40.03	−18 45.1	2.025	3.002	6.5	19.7
7 20	20 32.56	−19 23.2	1.991	3.000	2.8	19.5
7 30	20 24.39	−20 2.0	1.984	2.998	1.2	19.3
8 9	20 16.42	−20 37.9	2.006	2.997	5.0	19.6
8 19	20 9.47	−21 8.2	2.053	2.995	8.6	19.8
8 29	20 4.25	−21 31.0	2.125	2.993	11.8	20.0

316417 2010 TN_{115} 7 27.2 179°.23 1°.8/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 48.86	−10 53.9	3.114	3.917	10.2	21.9
6 30	20 44.38	−11 2.5	3.025	3.918	8.1	21.7
7 10	20 38.60	−11 18.9	2.959	3.919	5.6	21.6
7 20	20 31.86	−11 42.1	2.920	3.920	3.1	21.4
7 30	20 24.68	−12 10.3	2.910	3.920	1.8	21.3
8 9	20 17.63	−12 41.3	2.930	3.919	3.7	21.4
8 19	20 11.24	−13 13.1	2.977	3.918	6.3	21.6
8 29	20 6.01	−13 43.5	3.052	3.917	8.6	21.8

187581 2006 WP_{39} 7 27.2 251°.93 1°.6/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.62	−13 40.8	1.753	2.588	15.6	21.5
6 30	20 49.27	−13 48.0	1.660	2.575	12.3	21.3
7 10	20 42.47	−14 7.0	1.589	2.561	8.4	21.0
7 20	20 33.73	−14 35.7	1.541	2.547	4.1	20.7
7 30	20 23.93	−15 11.0	1.520	2.533	1.9	20.6
8 9	20 14.23	−15 48.6	1.525	2.518	5.9	20.8
8 19	20 5.74	−16 24.6	1.555	2.503	10.3	21.0
8 29	19 59.43	−16 55.8	1.609	2.487	14.3	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
379760 2011 HZ_5			7 27.2	71°.91	1°.2/27.9 18	
	h m	° ′			°	m
6 20	20 53.01	−13 23.3	1.653	2.493	16.2	20.2
6 30	20 48.51	−13 52.1	1.596	2.514	12.6	20.1
7 10	20 41.70	−14 33.6	1.561	2.535	8.4	19.9
7 20	20 33.26	−15 24.3	1.549	2.556	3.9	19.6
7 30	20 24.18	−16 19.2	1.563	2.577	1.5	19.5
8 9	20 15.57	−17 13.0	1.604	2.598	5.6	19.9
8 19	20 8.40	−18 1.5	1.671	2.619	9.7	20.1
8 29	20 3.44	−18 41.9	1.760	2.639	13.2	20.4
317353 2002 LL_{62}			7 27.2	46°.76	2°.5/26.1 17	
6 20	20 54.31	−21 37.8	1.190	2.066	18.9	20.7
6 30	20 50.44	−22 19.0	1.142	2.081	14.5	20.5
7 10	20 43.40	−23 7.8	1.113	2.098	9.4	20.3
7 20	20 34.08	−23 57.5	1.105	2.115	4.3	20.0
7 30	20 23.88	−24 40.4	1.121	2.132	3.3	20.0
8 9	20 14.41	−25 10.8	1.161	2.150	8.0	20.3
8 19	20 7.02	−25 26.3	1.223	2.169	12.7	20.7
8 29	20 2.66	−25 27.3	1.305	2.187	16.7	21.0
437119 2012 UT_{135}			7 27.2	301°.95	6°.6/22.5 18	
6 20	20 52.19	−29 34.7	1.633	2.499	15.1	20.7
6 30	20 48.97	−31 14.2	1.540	2.471	12.0	20.4
7 10	20 42.79	−33 0.1	1.468	2.442	8.8	20.2
7 20	20 34.07	−34 43.4	1.421	2.414	6.7	20.0
7 30	20 23.76	−36 13.6	1.399	2.386	7.5	20.0
8 9	20 13.29	−37 21.8	1.402	2.358	10.7	20.1
8 19	20 4.16	−38 3.8	1.428	2.330	14.5	20.2
8 29	19 57.72	−38 19.6	1.473	2.302	18.0	20.4
442981 2013 CB_{155}			7 27.2	278°.78	2°.4/25.9 18	
6 20	20 53.26	−25 7.6	2.147	2.993	12.7	21.1
6 30	20 48.52	−25 26.1	2.064	2.988	9.8	20.9
7 10	20 41.68	−25 46.2	2.004	2.982	6.5	20.7
7 20	20 33.29	−26 4.1	1.969	2.976	3.3	20.5
7 30	20 24.16	−26 16.0	1.962	2.970	2.8	20.4
8 9	20 15.28	−26 19.3	1.982	2.964	5.9	20.6
8 19	20 7.56	−26 13.0	2.028	2.958	9.3	20.8
8 29	20 1.77	−25 57.4	2.097	2.952	12.4	21.0
89740 2002 AB_9			7 27.2	124°.87	2°.8/29.4 18	
6 20	20 48.82	− 7 45.3	2.419	3.224	12.8	20.2
6 30	20 44.71	− 8 4.2	2.339	3.231	10.2	20.0
7 10	20 38.99	− 8 35.6	2.282	3.238	7.3	19.9
7 20	20 32.09	− 9 18.3	2.249	3.244	4.3	19.7
7 30	20 24.64	−10 9.6	2.244	3.251	2.8	19.6
8 9	20 17.38	−11 5.9	2.267	3.257	4.6	19.7
8 19	20 10.98	−12 3.6	2.318	3.263	7.6	19.9
8 29	20 6.04	−12 59.1	2.394	3.269	10.4	20.1
260336 2004 TF_{223}			7 27.2	248°.47	0°.4/27.6 18	
6 20	20 48.60	−14 40.4	2.741	3.564	11.0	20.6
6 30	20 44.53	−15 19.3	2.641	3.550	8.5	20.4
7 10	20 38.90	−16 7.0	2.565	3.537	5.7	20.2
7 20	20 32.08	−17 1.1	2.515	3.523	2.5	20.0
7 30	20 24.63	−17 58.3	2.495	3.509	0.9	19.9
8 9	20 17.21	−18 55.0	2.503	3.494	4.1	20.1
8 19	20 10.49	−19 48.2	2.540	3.480	7.3	20.3
8 29	20 5.08	−20 35.2	2.603	3.465	10.0	20.4
512922 2016 XQ_{11}			7 27.2	180°.80	4°.6/30.2 18	
6 20	20 49.95	− 4 26.8	2.618	3.401	12.5	21.0
6 30	20 45.45	− 3 54.0	2.531	3.401	10.3	20.8
7 10	20 39.41	− 3 32.1	2.465	3.401	7.9	20.7
7 20	20 32.26	− 3 21.8	2.425	3.401	5.6	20.5
7 30	20 24.59	− 3 23.0	2.412	3.401	4.6	20.5
8 9	20 17.07	− 3 34.2	2.426	3.401	5.6	20.5
8 19	20 10.34	− 3 53.4	2.468	3.401	7.8	20.7
8 29	20 4.98	− 4 17.7	2.534	3.400	10.2	20.8
350822 2002 EM_2			7 27.2	42°.70	9°.3/24.9 15	
6 20	21 9.79	−45 45.9	1.841	2.659	15.7	19.3
6 30	21 1.43	−46 5.1	1.798	2.680	13.2	19.2
7 10	20 49.99	−46 8.0	1.776	2.703	11.0	19.1
7 20	20 36.65	−45 47.6	1.777	2.726	9.5	19.1
7 30	20 23.01	−45 0.0	1.804	2.749	9.5	19.1
8 9	20 10.68	−43 46.5	1.855	2.773	10.9	19.2
8 19	20 0.87	−42 12.6	1.931	2.796	13.0	19.4
8 29	19 54.24	−40 25.3	2.028	2.821	15.0	19.6
87746 2000 SY_{70}			7 27.2	327°.37	2°.2/26.0 18	
6 20	20 49.00	−22 31.0	1.660	2.525	15.0	18.9
6 30	20 45.97	−23 1.8	1.571	2.506	11.6	18.7
7 10	20 40.44	−23 38.8	1.504	2.487	7.7	18.4
7 20	20 32.91	−24 17.6	1.460	2.469	3.6	18.1
7 30	20 24.32	−24 52.7	1.441	2.452	2.9	18.0
8 9	20 15.85	−25 19.3	1.447	2.435	7.0	18.3
8 19	20 8.67	−25 34.5	1.478	2.419	11.3	18.5
8 29	20 3.79	−25 37.2	1.530	2.404	15.1	18.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
513755 2012 VQ_{114}			7 27.2	285°.01	2°.7/25.5 18	
	h m	° ′			°	m
6 20	20 51.74	−23 15.9	1.887	2.742	13.9	21.4
6 30	20 47.70	−24 8.2	1.808	2.737	10.7	21.1
7 10	20 41.35	−25 6.1	1.752	2.732	7.1	20.9
7 20	20 33.23	−26 4.3	1.720	2.727	3.6	20.7
7 30	20 24.22	−26 57.0	1.714	2.722	3.3	20.7
8 9	20 15.41	−27 39.3	1.736	2.717	6.7	20.9
8 19	20 7.82	−28 8.3	1.783	2.712	10.4	21.1
8 29	20 2.35	−28 23.3	1.852	2.707	13.8	21.3
93716 2000 VP_{35}			7 27.2	155°.19	5°.6/31.2 18	
6 20	20 49.44	− 0 34.1	2.560	3.326	13.1	19.8
6 30	20 45.10	− 0 6.2	2.476	3.330	11.0	19.7
7 10	20 39.21	+ 0 8.1	2.413	3.333	8.7	19.5
7 20	20 32.19	+ 0 7.6	2.374	3.336	6.7	19.4
7 30	20 24.65	− 0 7.3	2.361	3.339	5.6	19.3
8 9	20 17.26	− 0 34.8	2.376	3.342	6.3	19.4
8 19	20 10.69	− 1 12.1	2.417	3.344	8.2	19.5
8 29	20 5.49	− 1 55.8	2.483	3.347	10.4	19.7
257776 2000 CT_{130}			7 27.2	317°.42	0°.5/27.5 18	
6 20	20 47.69	−15 39.7	2.001	2.845	13.6	20.6
6 30	20 44.46	−16 2.8	1.905	2.826	10.6	20.3
7 10	20 39.18	−16 36.0	1.830	2.807	7.1	20.1
7 20	20 32.31	−17 16.8	1.779	2.788	3.2	19.8
7 30	20 24.57	−18 1.8	1.755	2.770	1.2	19.6
8 9	20 16.88	−18 46.5	1.758	2.752	5.3	19.9
8 19	20 10.17	−19 27.4	1.787	2.734	9.2	20.1
8 29	20 5.25	−20 1.5	1.839	2.717	12.8	20.2
262394 2006 UO_{10}			7 27.2	312°.67	5°.5/24.6 17	
6 20	20 52.89	−27 36.4	1.318	2.195	17.4	20.4
6 30	20 49.80	−28 35.5	1.240	2.179	13.6	20.1
7 10	20 43.41	−29 39.0	1.182	2.163	9.5	19.9
7 20	20 34.33	−30 38.5	1.145	2.148	6.1	19.6
7 30	20 23.77	−31 24.8	1.132	2.133	6.3	19.6
8 9	20 13.42	−31 50.9	1.142	2.119	10.1	19.8
8 19	20 4.90	−31 54.3	1.174	2.105	14.5	20.0
8 29	19 59.50	−31 36.6	1.225	2.092	18.6	20.2
171689 2000 SQ_{28}			7 27.2	309°.70	3°.4/28.5 17	
6 20	20 51.72	−12 21.2	1.273	2.130	19.1	20.0
6 30	20 48.61	−11 58.3	1.190	2.115	15.3	19.7
7 10	20 42.48	−11 49.6	1.126	2.101	10.8	19.4
7 20	20 33.89	−11 54.7	1.082	2.086	5.9	19.1
7 30	20 23.95	−12 11.7	1.062	2.073	3.5	18.9
8 9	20 14.15	−12 36.6	1.064	2.060	7.5	19.1
8 19	20 5.95	−13 4.9	1.090	2.047	12.6	19.4
8 29	20 0.57	−13 32.2	1.135	2.035	17.4	19.6
351088 2003 UH_{137}			7 27.2	299°.36	3°.9/25.0 18	
6 20	20 52.48	−25 53.8	1.712	2.573	14.8	20.7
6 30	20 48.78	−26 43.6	1.619	2.550	11.5	20.5
7 10	20 42.40	−27 38.3	1.546	2.526	7.9	20.2
7 20	20 33.81	−28 31.9	1.498	2.503	4.6	20.0
7 30	20 23.98	−29 17.4	1.475	2.479	4.6	19.9
8 9	20 14.18	−29 49.3	1.478	2.456	8.1	20.1
8 19	20 5.68	−30 4.5	1.505	2.433	12.1	20.2
8 29	19 59.61	−30 3.1	1.553	2.410	15.9	20.4
100400 1995 YX_7			7 27.2	344°.28	5°.0/28.9 18	R
6 20	20 46.51	−10 43.0	1.078	1.950	20.7	18.9
6 30	20 44.88	− 9 59.2	1.006	1.937	16.8	18.6
7 10	20 40.14	− 9 31.7	0.950	1.926	12.2	18.3
7 20	20 32.90	− 9 22.1	0.914	1.916	7.4	18.1
7 30	20 24.35	− 9 29.7	0.898	1.907	5.1	17.9
8 9	20 16.07	− 9 51.1	0.904	1.900	8.4	18.1
8 19	20 9.55	−10 21.1	0.931	1.894	13.4	18.3
8 29	20 6.00	−10 53.8	0.976	1.891	18.1	18.6
384489 2010 CH_{65}			7 27.2	127°.64	1°.1/26.6 17	
6 20	20 53.69	−20 15.4	2.001	2.843	13.7	21.7
6 30	20 48.86	−20 43.6	1.929	2.851	10.5	21.5
7 10	20 41.90	−21 17.5	1.880	2.859	6.8	21.3
7 20	20 33.40	−21 53.4	1.857	2.866	2.9	21.0
7 30	20 24.21	−22 27.1	1.860	2.873	1.8	21.0
8 9	20 15.34	−22 54.8	1.892	2.880	5.6	21.2
8 19	20 7.70	−23 14.4	1.949	2.886	9.2	21.5
8 29	20 2.03	−23 25.1	2.030	2.893	12.4	21.7
5583 Braunerová			7 27.2	200°.81	1°.4/26.4 18	
6 20	20 51.82	−21 7.3	2.090	2.936	13.1	17.3
6 30	20 47.43	−21 37.5	2.012	2.935	10.0	17.1
7 10	20 40.99	−22 12.9	1.955	2.934	6.6	16.9
7 20	20 33.03	−22 49.8	1.925	2.934	2.9	16.7
7 30	20 24.35	−23 24.1	1.921	2.933	2.0	16.6
8 9	20 15.90	−23 52.2	1.945	2.932	5.6	16.8
8 19	20 8.57	−24 11.8	1.995	2.931	9.1	17.0
8 29	20 3.11	−24 22.0	2.069	2.931	12.3	17.2

475881 2007 CV_{50} 7 27.2 165°.75 0°.4/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 49.75	−15 28.7	2.866	3.686	10.6	22.2
6 30	20 45.22	−15 54.1	2.783	3.691	8.2	22.0
7 10	20 39.24	−16 26.1	2.723	3.695	5.4	21.9
7 20	20 32.21	−17 2.7	2.691	3.698	2.4	21.7
7 30	20 24.68	−17 41.2	2.687	3.701	0.9	21.5
8 9	20 17.31	−18 18.8	2.713	3.704	3.9	21.8
8 19	20 10.69	−18 53.2	2.767	3.706	6.8	22.0
8 29	20 5.37	−19 22.8	2.847	3.708	9.3	22.1

416517 2003 YK_{113} 7 27.2 225°.76 0°.8/26.7 17

6 20	20 54.27	−17 30.4	1.859	2.699	14.7	21.8
6 30	20 49.72	−18 22.2	1.769	2.689	11.4	21.6
7 10	20 42.77	−19 25.2	1.702	2.679	7.5	21.3
7 20	20 33.91	−20 35.0	1.659	2.669	3.2	21.0
7 30	20 24.00	−21 45.6	1.644	2.658	1.7	20.9
8 9	20 14.16	−22 50.9	1.657	2.646	6.1	21.2
8 19	20 5.50	−23 46.4	1.696	2.633	10.4	21.4
8 29	19 58.96	−24 29.4	1.758	2.620	14.1	21.6

167857 2005 EE_{10} 7 27.2 36°.67 3°.3/25.9 18

6 20	20 54.83	−26 19.5	1.542	2.406	16.0	19.1
6 30	20 50.26	−26 38.9	1.487	2.419	12.3	18.9
7 10	20 43.02	−26 58.9	1.452	2.433	8.2	18.7
7 20	20 33.90	−27 14.3	1.441	2.447	4.3	18.5
7 30	20 24.07	−27 20.5	1.454	2.462	3.8	18.5
8 9	20 14.87	−27 14.7	1.493	2.477	7.3	18.8
8 19	20 7.41	−26 56.8	1.557	2.493	11.2	19.0
8 29	20 2.51	−26 28.3	1.642	2.509	14.7	19.3

323251 2003 SL_{237} 7 27.2 201°.09 4°.4/25.2 17

6 20	20 57.91	−27 19.6	1.544	2.403	16.2	20.8
6 30	20 52.98	−28 3.3	1.473	2.402	12.6	20.6
7 10	20 45.08	−28 48.8	1.423	2.401	8.6	20.4
7 20	20 34.90	−29 29.2	1.396	2.399	5.1	20.2
7 30	20 23.65	−29 57.4	1.395	2.397	5.0	20.1
8 9	20 12.80	−30 9.2	1.419	2.395	8.5	20.3
8 19	20 3.72	−30 3.4	1.467	2.393	12.5	20.6
8 29	19 57.44	−29 41.9	1.536	2.391	16.1	20.8

287700 2003 QJ_{43} 7 27.2 311°.56 4°.0/29.2 18

6 20	20 48.29	− 8 44.1	1.568	2.405	17.0	20.2
6 30	20 45.56	− 8 37.7	1.466	2.377	13.9	19.9
7 10	20 40.31	− 8 48.0	1.382	2.348	10.1	19.6
7 20	20 32.96	− 9 15.5	1.321	2.320	6.2	19.3
7 30	20 24.34	− 9 58.5	1.284	2.292	4.0	19.1
8 9	20 15.62	−10 52.8	1.271	2.264	6.9	19.2
8 19	20 8.02	−11 52.9	1.282	2.237	11.4	19.4
8 29	20 2.65	−12 52.9	1.315	2.211	15.7	19.6

323716 2005 JW_{33} 7 27.2 3°.17 0°.9/27.6 17

6 20	20 47.38	−16 17.8	1.047	1.932	20.2	20.4
6 30	20 45.56	−16 18.3	0.987	1.930	15.8	20.2
7 10	20 40.53	−16 32.7	0.944	1.930	10.5	19.9
7 20	20 33.03	−16 58.0	0.921	1.931	4.7	19.6
7 30	20 24.38	−17 29.0	0.919	1.933	1.7	19.4
8 9	20 16.22	−17 59.7	0.939	1.937	7.5	19.7
8 19	20 10.02	−18 25.2	0.980	1.943	13.0	20.1
8 29	20 6.86	−18 42.3	1.040	1.950	17.7	20.4

128134 2003 QX_{46} 7 27.2 323°.23 1°.3/27.9 18

6 20	20 51.77	−15 41.4	2.280	3.109	12.7	19.4
6 30	20 47.13	−15 24.2	2.195	3.106	9.9	19.2
7 10	20 40.67	−15 12.9	2.132	3.104	6.7	19.0
7 20	20 32.87	−15 6.6	2.095	3.101	3.2	18.8
7 30	20 24.47	−15 3.5	2.086	3.098	1.5	18.7
8 9	20 16.28	−15 2.0	2.104	3.096	4.7	18.9
8 19	20 9.08	−15 0.7	2.149	3.094	8.1	19.1
8 29	20 3.55	−14 58.2	2.219	3.091	11.2	19.3

213366 2001 TS_{156} 7 27.2 205°.43 0°.1/27.2 18

6 20	20 51.28	−17 29.0	2.268	3.102	12.6	21.3
6 30	20 46.84	−17 47.9	2.184	3.100	9.7	21.1
7 10	20 40.53	−18 13.7	2.122	3.098	6.4	20.9
7 20	20 32.84	−18 43.7	2.087	3.095	2.7	20.6
7 30	20 24.48	−19 14.7	2.079	3.093	1.1	20.5
8 9	20 16.31	−19 43.6	2.099	3.090	4.8	20.8
8 19	20 9.12	−20 7.9	2.146	3.087	8.3	21.0
8 29	20 3.61	−20 26.0	2.217	3.084	11.4	21.2

9453 Mallorca 7 27.2 324°.67 3°.2/29.5 18

6 20	20 47.76	− 7 49.5	1.974	2.794	14.7	17.7
6 30	20 44.41	− 8 5.1	1.887	2.788	11.8	17.5
7 10	20 39.09	− 8 36.0	1.821	2.781	8.5	17.3
7 20	20 32.27	− 9 21.4	1.778	2.775	5.1	17.1
7 30	20 24.69	−10 18.2	1.762	2.769	3.2	17.0
8 9	20 17.23	−11 22.1	1.772	2.764	5.4	17.1
8 19	20 10.77	−12 28.2	1.808	2.758	9.0	17.3
8 29	20 6.06	−13 31.7	1.869	2.753	12.3	17.5

352418 2007 YN_{13} 7 27.2 149°.39 1°.1/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 53.87	−21 47.7	2.332	3.169	12.2	21.6
6 30	20 48.71	−21 58.5	2.255	3.174	9.3	21.4
7 10	20 41.67	−22 12.3	2.201	3.178	6.1	21.2
7 20	20 33.29	−22 26.3	2.174	3.183	2.7	21.0
7 30	20 24.33	−22 37.5	2.174	3.187	1.6	20.9
8 9	20 15.65	−22 43.7	2.203	3.190	5.0	21.2
8 19	20 8.05	−22 43.7	2.259	3.194	8.3	21.4
8 29	20 2.18	−22 37.1	2.340	3.197	11.2	21.6

498530 2008 FA_{84} 7 27.2 156°.37 5°.5/24.3 17

6 20	20 57.70	−30 3.1	1.692	2.547	15.2	21.8
6 30	20 52.63	−31 4.7	1.626	2.551	11.9	21.6
7 10	20 44.75	−32 6.0	1.581	2.554	8.5	21.4
7 20	20 34.74	−32 59.4	1.561	2.556	5.8	21.3
7 30	20 23.76	−33 37.9	1.566	2.559	6.1	21.3
8 9	20 13.19	−33 57.0	1.597	2.561	8.9	21.5
8 19	20 4.29	−33 56.0	1.652	2.563	12.3	21.7
8 29	19 58.05	−33 37.2	1.728	2.565	15.4	21.9

365608 2010 UV_{18} 7 27.2 311°.19 7°.9/31.4 18

6 20	20 48.44	+ 1 33.3	2.070	2.842	15.7	20.6
6 30	20 44.90	+ 2 28.3	1.972	2.824	13.5	20.4
7 10	20 39.43	+ 3 7.3	1.893	2.806	11.2	20.2
7 20	20 32.44	+ 3 27.5	1.836	2.788	9.0	20.1
7 30	20 24.62	+ 3 27.1	1.804	2.770	8.0	20.0
8 9	20 16.82	+ 3 7.1	1.796	2.753	8.6	20.0
8 19	20 9.90	+ 2 30.2	1.812	2.736	10.6	20.0
8 29	20 4.66	+ 1 41.1	1.851	2.720	13.2	20.2

521468 2015 OF_{92} 7 27.2 286°.54 4°.5/29.7 18

6 20	20 50.05	− 6 32.3	2.179	2.983	14.0	21.0
6 30	20 45.96	− 6 4.3	2.086	2.973	11.5	20.8
7 10	20 40.01	− 5 48.3	2.014	2.963	8.6	20.6
7 20	20 32.65	− 5 44.9	1.966	2.952	5.8	20.4
7 30	20 24.57	− 5 53.5	1.944	2.942	4.5	20.3
8 9	20 16.59	− 6 12.3	1.949	2.932	6.0	20.4
8 19	20 9.53	− 6 38.5	1.980	2.922	8.9	20.5
8 29	20 4.11	− 7 8.9	2.036	2.912	11.8	20.7

225856 2001 XN_{175} 7 27.2 169°.12 1°.2/27.9 17

6 20	20 53.83	−14 28.4	1.986	2.815	14.3	21.1
6 30	20 48.98	−14 36.0	1.906	2.818	11.1	20.9
7 10	20 42.03	−14 52.9	1.848	2.820	7.5	20.7
7 20	20 33.51	−15 17.1	1.816	2.822	3.6	20.5
7 30	20 24.25	−15 45.6	1.810	2.824	1.5	20.3
8 9	20 15.25	−16 14.8	1.832	2.825	5.2	20.6
8 19	20 7.41	−16 41.8	1.881	2.826	9.0	20.8
8 29	20 1.50	−17 4.5	1.953	2.826	12.4	21.1

178311 1994 SC_{3} 7 27.2 86°.66 4°.4/24.7 18

6 20	20 55.61	−31 27.0	2.212	3.056	12.5	20.2
6 30	20 50.23	−31 59.6	2.149	3.067	9.8	20.0
7 10	20 42.73	−32 29.2	2.108	3.077	6.9	19.9
7 20	20 33.75	−32 51.1	2.093	3.088	4.7	19.8
7 30	20 24.19	−33 1.2	2.106	3.098	4.8	19.8
8 9	20 15.05	−32 57.4	2.145	3.108	7.0	19.9
8 19	20 7.23	−32 39.8	2.210	3.119	9.7	20.1
8 29	20 1.44	−32 10.1	2.298	3.129	12.3	20.3

132360 2002 GB_{64} 7 27.2 17°.10 0°.8/27.7 18

6 20	20 48.87	−15 16.7	1.352	2.217	17.7	19.5
6 30	20 45.99	−15 34.6	1.290	2.222	13.8	19.3
7 10	20 40.44	−16 5.7	1.248	2.229	9.2	19.0
7 20	20 32.91	−16 46.6	1.227	2.236	4.1	18.8
7 30	20 24.49	−17 32.1	1.230	2.244	1.5	18.6
8 9	20 16.49	−18 16.5	1.257	2.253	6.5	19.0
8 19	20 10.09	−18 55.1	1.308	2.263	11.2	19.2
8 29	20 6.20	−19 24.8	1.380	2.274	15.2	19.5

91195 1998 SC_{90} 7 27.2 218°.52 0°.2/27.3 18

6 20	20 50.58	−17 47.6	2.586	3.416	11.3	19.5
6 30	20 46.06	−17 56.0	2.498	3.412	8.8	19.3
7 10	20 39.91	−18 9.6	2.434	3.408	5.8	19.2
7 20	20 32.55	−18 26.5	2.395	3.404	2.5	18.9
7 30	20 24.63	−18 44.3	2.386	3.400	0.9	18.8
8 9	20 16.87	−19 0.7	2.404	3.395	4.3	19.0
8 19	20 9.96	−19 13.8	2.451	3.391	7.4	19.2
8 29	20 4.52	−19 22.5	2.522	3.386	10.3	19.4

324924 2007 VR_{333} 7 27.2 99°.96 1°.4/26.5 17

6 20	20 56.49	−19 56.9	1.589	2.440	16.2	21.2
6 30	20 51.44	−20 35.6	1.530	2.456	12.4	21.0
7 10	20 43.80	−21 22.0	1.492	2.472	8.1	20.8
7 20	20 34.28	−22 10.7	1.478	2.487	3.5	20.6
7 30	20 23.99	−22 55.9	1.490	2.503	2.2	20.5
8 9	20 14.20	−23 32.6	1.529	2.518	6.6	20.8
8 19	20 6.04	−23 58.2	1.593	2.532	10.8	21.1
8 29	20 0.36	−24 12.0	1.679	2.546	14.4	21.4

342746 2008 WV_{62} 7 27.2 218.°26 0.°4/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 53.72	−16 41.5	2.420	3.245	12.2	22.1
6 30	20 48.64	−16 51.1	2.325	3.235	9.5	21.9
7 10	20 41.70	−17 7.1	2.253	3.226	6.3	21.7
7 20	20 33.37	−17 27.5	2.208	3.215	2.8	21.4
7 30	20 24.32	−17 49.7	2.190	3.204	1.0	21.3
8 9	20 15.39	−18 10.9	2.202	3.193	4.6	21.5
8 19	20 7.37	−18 28.9	2.241	3.181	8.1	21.7
8 29	20 0.98	−18 42.4	2.306	3.168	11.2	21.9

99411 2002 AH_{85} 7 27.2 92.°05 4.°3/29.1 17

6 20	20 56.47	− 9 36.7	1.427	2.260	18.7	19.7
6 30	20 51.55	− 9 8.9	1.366	2.273	14.9	19.5
7 10	20 43.94	− 8 56.6	1.323	2.287	10.7	19.3
7 20	20 34.36	− 8 59.3	1.302	2.300	6.4	19.1
7 30	20 23.97	− 9 15.2	1.306	2.313	4.3	19.0
8 9	20 14.09	− 9 40.5	1.335	2.325	7.0	19.2
8 19	20 5.89	−10 10.8	1.388	2.338	11.2	19.4
8 29	20 0.26	−10 42.0	1.464	2.350	15.0	19.7

376387 2012 DL_{60} 7 27.2 39.°59 0.°1/27.2 17

6 20	20 52.28	−16 51.0	1.242	2.110	18.8	21.1
6 30	20 48.79	−17 15.9	1.187	2.122	14.5	20.8
7 10	20 42.35	−17 53.4	1.151	2.134	9.5	20.6
7 20	20 33.73	−18 38.7	1.136	2.146	4.1	20.3
7 30	20 24.21	−19 25.7	1.145	2.159	1.6	20.2
8 9	20 15.25	−20 8.1	1.178	2.173	7.0	20.6
8 19	20 8.15	−20 41.6	1.234	2.187	11.9	20.9
8 29	20 3.85	−21 4.1	1.310	2.201	16.1	21.2

389805 2011 UZ_{314} 7 27.2 19.°39 1.°2/26.7 17

6 20	20 51.93	−18 14.5	1.110	1.988	19.8	20.7
6 30	20 49.03	−18 54.8	1.050	1.991	15.3	20.4
7 10	20 42.82	−19 48.9	1.008	1.994	10.0	20.2
7 20	20 34.06	−20 50.8	0.987	1.997	4.3	19.9
7 30	20 24.08	−21 52.1	0.988	2.002	2.3	19.7
8 9	20 14.59	−22 44.8	1.013	2.006	8.0	20.1
8 19	20 7.13	−23 23.7	1.059	2.012	13.4	20.4
8 29	20 2.81	−23 46.9	1.124	2.018	18.0	20.7

39636 1995 BQ_2 7 27.2 210.°79 8.°8/ 4.1 18 R

6 20	20 48.94	+14 19.6	3.081	3.734	13.2	19.6
6 30	20 44.61	+15 10.5	2.987	3.728	12.0	19.5
7 10	20 38.88	+15 44.6	2.912	3.722	10.7	19.3
7 20	20 32.12	+15 59.5	2.858	3.715	9.6	19.3
7 30	20 24.82	+15 53.6	2.826	3.708	8.9	19.2
8 9	20 17.58	+15 27.4	2.820	3.700	8.9	19.2
8 19	20 10.97	+14 43.1	2.837	3.692	9.6	19.2
8 29	20 5.52	+13 44.3	2.877	3.683	10.7	19.3

43224 Tonypensa 7 27.2 288.°92 7.°6/31.6 18

6 20	20 49.20	+ 0 55.9	1.873	2.655	16.7	18.7
6 30	20 45.72	+ 1 28.3	1.776	2.637	14.3	18.5
7 10	20 40.11	+ 1 41.5	1.697	2.620	11.6	18.3
7 20	20 32.80	+ 1 32.9	1.640	2.602	9.1	18.1
7 30	20 24.54	+ 1 2.0	1.607	2.585	7.6	17.9
8 9	20 16.29	+ 0 10.8	1.599	2.568	8.4	17.9
8 19	20 9.02	− 0 55.9	1.615	2.550	10.9	18.1
8 29	20 3.60	− 2 12.1	1.654	2.533	13.9	18.2

523098 2016 RM_{48} 7 27.2 235.°98 4.°1/24.1 18

6 20	20 52.84	−26 59.7	2.156	3.004	12.6	22.0
6 30	20 48.44	−28 15.1	2.073	2.997	9.8	21.8
7 10	20 41.84	−29 34.1	2.014	2.989	6.8	21.6
7 20	20 33.52	−30 50.5	1.982	2.981	4.4	21.4
7 30	20 24.28	−31 57.9	1.977	2.973	4.7	21.4
8 9	20 15.14	−32 51.3	1.999	2.964	7.3	21.6
8 19	20 7.09	−33 28.1	2.047	2.955	10.4	21.8
8 29	20 0.99	−33 47.9	2.118	2.946	13.3	21.9

328148 2008 CT_{29} 7 27.2 195.°75 2.°3/26.2 17

6 20	20 58.16	−23 41.9	1.679	2.529	15.5	21.7
6 30	20 52.86	−24 1.5	1.602	2.528	12.0	21.5
7 10	20 44.86	−24 24.4	1.547	2.526	8.0	21.2
7 20	20 34.82	−24 46.0	1.516	2.524	3.8	21.0
7 30	20 23.82	−25 1.3	1.512	2.522	2.9	20.9
8 9	20 13.18	−25 6.6	1.534	2.519	6.9	21.1
8 19	20 4.12	−25 0.9	1.581	2.516	11.1	21.4
8 29	19 57.57	−24 44.8	1.650	2.513	14.8	21.6

501939 2014 XB_{29} 7 27.2 205.°24 1.°6/26.3 17

6 20	20 53.61	−18 4.7	1.521	2.376	16.6	21.5
6 30	20 49.65	−19 10.6	1.446	2.375	12.8	21.2
7 10	20 42.95	−20 29.7	1.392	2.373	8.4	21.0
7 20	20 34.08	−21 55.9	1.362	2.371	3.6	20.7
7 30	20 24.08	−23 21.1	1.357	2.369	2.5	20.6
8 9	20 14.30	−24 37.4	1.379	2.367	7.2	20.9
8 19	20 6.01	−25 39.2	1.425	2.365	11.8	21.2
8 29	20 0.25	−26 24.3	1.493	2.362	15.7	21.4

443821 1999 UO_{34} 7 27.2 299.°37 6.°6/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 48.07	+ 0 17.7	2.218	2.993	14.7	21.3
6 30	20 44.45	+ 0 49.6	2.124	2.981	12.5	21.1
7 10	20 39.04	+ 1 5.5	2.049	2.969	10.0	21.0
7 20	20 32.28	+ 1 3.8	1.997	2.958	7.8	20.8
7 30	20 24.79	+ 0 44.2	1.970	2.946	6.6	20.7
8 9	20 17.38	+ 0 8.4	1.968	2.935	7.3	20.7
8 19	20 10.81	− 0 40.0	1.992	2.923	9.4	20.8
8 29	20 5.79	− 1 36.6	2.040	2.912	12.0	21.0

379783 2011 HV_{62} 7 27.2 105.°93 2.°7/28.8 17

6 20	20 54.08	−10 35.5	1.923	2.742	15.1	21.0
6 30	20 49.07	−10 34.9	1.857	2.759	11.9	20.9
7 10	20 42.01	−10 46.4	1.812	2.775	8.3	20.7
7 20	20 33.49	−11 8.6	1.791	2.791	4.6	20.5
7 30	20 24.36	−11 38.7	1.797	2.807	2.7	20.4
8 9	20 15.61	−12 13.2	1.831	2.822	5.4	20.6
8 19	20 8.09	−12 48.7	1.891	2.837	8.9	20.9
8 29	20 2.52	−13 22.1	1.976	2.852	12.1	21.1

311905 2007 AQ_7 7 27.3 81.°06 0.°3/26.9 16

6 20	20 50.48	−16 12.1	2.305	3.137	12.5	20.6
6 30	20 46.10	−17 9.5	2.242	3.157	9.5	20.5
7 10	20 39.98	−18 15.5	2.201	3.177	6.2	20.3
7 20	20 32.62	−19 25.9	2.188	3.197	2.6	20.1
7 30	20 24.72	−20 36.3	2.202	3.216	1.2	20.0
8 9	20 17.09	−21 42.0	2.246	3.236	4.7	20.3
8 19	20 10.45	−22 39.6	2.317	3.255	8.0	20.5
8 29	20 5.43	−23 27.1	2.413	3.274	10.8	20.8

380267 2001 YM_{68} 7 27.3 213.°18 2.°3/28.4 18

6 20	20 56.00	−12 39.4	2.267	3.078	13.3	21.7
6 30	20 50.47	−12 21.2	2.172	3.071	10.5	21.5
7 10	20 42.96	−12 10.9	2.099	3.062	7.4	21.3
7 20	20 33.96	−12 7.7	2.052	3.053	4.0	21.1
7 30	20 24.20	−12 10.2	2.033	3.043	2.4	20.9
8 9	20 14.58	−12 16.6	2.043	3.033	5.1	21.1
8 19	20 5.96	−12 25.0	2.081	3.022	8.5	21.3
8 29	19 59.08	−12 33.4	2.144	3.010	11.7	21.5

97196 1999 XR_1 7 27.3 86.°22 6.°2/22.3 18

6 20	20 57.34	−31 13.6	2.003	2.850	13.5	18.8
6 30	20 51.97	−33 14.5	1.958	2.875	10.6	18.6
7 10	20 44.14	−35 13.9	1.937	2.900	7.8	18.5
7 20	20 34.49	−37 2.8	1.943	2.925	6.2	18.5
7 30	20 24.01	−38 33.2	1.976	2.950	6.8	18.5
8 9	20 13.89	−39 40.3	2.037	2.974	9.0	18.7
8 19	20 5.21	−40 22.9	2.123	2.998	11.6	18.9
8 29	19 58.83	−40 43.3	2.230	3.021	13.9	19.1

435697 2008 TU_{139} 7 27.3 322.°01 1.°2/27.8 18

6 20	20 50.72	−15 53.4	1.490	2.347	16.8	20.7
6 30	20 47.46	−15 49.9	1.406	2.333	13.2	20.4
7 10	20 41.54	−15 56.9	1.341	2.319	8.9	20.2
7 20	20 33.50	−16 12.2	1.298	2.306	4.2	19.9
7 30	20 24.36	−16 32.8	1.280	2.294	1.7	19.6
8 9	20 15.38	−16 54.4	1.286	2.282	6.4	19.9
8 19	20 7.81	−17 13.6	1.317	2.270	11.2	20.2
8 29	20 2.69	−17 27.8	1.368	2.260	15.5	20.4

154947 2004 TH_{69} 7 27.3 314.°46 0.°1/27.3 18

6 20	20 48.47	−16 51.4	2.006	2.851	13.5	20.6
6 30	20 45.09	−17 16.9	1.912	2.835	10.5	20.3
7 10	20 39.65	−17 51.7	1.840	2.818	7.0	20.1
7 20	20 32.61	−18 32.9	1.793	2.802	3.0	19.8
7 30	20 24.71	−19 16.7	1.772	2.786	1.2	19.6
8 9	20 16.88	−19 58.8	1.778	2.771	5.3	19.9
8 19	20 10.06	−20 35.9	1.810	2.756	9.3	20.1
8 29	20 5.05	−21 5.3	1.866	2.741	12.8	20.3

377618 2005 SP_{102} 7 27.3 340.°33 4.°2/25.1 18

6 20	20 54.65	−30 9.1	2.031	2.881	13.2	21.1
6 30	20 49.80	−30 36.3	1.956	2.879	10.3	20.9
7 10	20 42.67	−31 1.5	1.904	2.876	7.2	20.7
7 20	20 33.84	−31 20.0	1.876	2.874	4.7	20.6
7 30	20 24.27	−31 27.2	1.875	2.872	4.7	20.6
8 9	20 15.05	−31 20.7	1.900	2.870	7.2	20.7
8 19	20 7.17	−31 0.4	1.951	2.869	10.3	20.9
8 29	20 1.43	−30 27.8	2.024	2.867	13.2	21.1

55939 1998 FD_{118} 7 27.3 155.°39 3.°8/29.9 18

6 20	20 50.25	− 6 7.2	2.508	3.301	12.7	19.5
6 30	20 45.79	− 5 56.0	2.425	3.305	10.3	19.4
7 10	20 39.73	− 5 56.3	2.364	3.310	7.6	19.2
7 20	20 32.52	− 6 8.2	2.327	3.314	5.1	19.1
7 30	20 24.78	− 6 30.3	2.319	3.317	3.8	19.0
8 9	20 17.20	− 7 0.3	2.338	3.321	5.1	19.1
8 19	20 10.48	− 7 35.5	2.384	3.324	7.6	19.2
8 29	20 5.18	− 8 12.8	2.455	3.327	10.3	19.4

116023 2003 WN_{87} 7 27.3 261.°56 3.°6/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 55.12	−23 46.7	1.703	2.558	15.1	20.2
6 30	20 50.89	−24 54.3	1.611	2.539	11.8	20.0
7 10	20 43.88	−26 10.1	1.540	2.519	7.9	19.7
7 20	20 34.58	−27 27.7	1.494	2.499	4.3	19.4
7 30	20 23.93	−28 39.0	1.474	2.479	4.3	19.4
8 9	20 13.26	−29 36.9	1.481	2.458	8.1	19.6
8 19	20 3.89	−30 17.2	1.512	2.437	12.3	19.8
8 29	19 56.98	−30 39.0	1.564	2.415	16.1	20.0

248400 2005 ST_{73} 7 27.3 340.°77 8.°8/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 47.33	− 0 49.1	1.601	2.407	18.1	19.8
6 30	20 44.57	+ 0 23.0	1.516	2.393	15.5	19.5
7 10	20 39.49	+ 1 17.8	1.449	2.380	12.7	19.3
7 20	20 32.60	+ 1 51.3	1.403	2.367	10.1	19.2
7 30	20 24.74	+ 2 1.1	1.379	2.356	8.8	19.1
8 9	20 17.00	+ 1 48.0	1.379	2.346	9.7	19.1
8 19	20 10.42	+ 1 15.4	1.401	2.337	12.2	19.2
8 29	20 5.93	+ 0 29.0	1.444	2.329	15.2	19.4

254601 2005 GK_{116} 7 27.3 203.°52 1.°7/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.36	−13 28.8	1.787	2.618	15.6	21.7
6 30	20 50.51	−13 34.3	1.703	2.615	12.3	21.5
7 10	20 43.26	−13 51.1	1.640	2.611	8.4	21.2
7 20	20 34.18	−14 17.3	1.601	2.606	4.2	21.0
7 30	20 24.17	−14 49.5	1.588	2.601	1.9	20.8
8 9	20 14.36	−15 23.8	1.603	2.596	5.8	21.1
8 19	20 5.81	−15 56.6	1.643	2.590	10.0	21.3
8 29	19 59.43	−16 25.0	1.707	2.583	13.7	21.5

346538 2008 UJ_{273} 7 27.3 109.°82 8.°9/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.47	+ 3 29.6	1.917	2.677	17.1	20.9
6 30	20 47.98	+ 4 33.7	1.842	2.682	14.8	20.7
7 10	20 41.42	+ 5 18.8	1.786	2.687	12.3	20.5
7 20	20 33.33	+ 5 41.7	1.751	2.693	10.1	20.4
7 30	20 24.51	+ 5 41.0	1.741	2.698	8.9	20.4
8 9	20 15.91	+ 5 18.1	1.754	2.703	9.4	20.4
8 19	20 8.44	+ 4 36.8	1.792	2.708	11.2	20.5
8 29	20 2.85	+ 3 42.6	1.853	2.713	13.6	20.7

476611 2008 SV_{135} 7 27.3 240.°28 8.°6/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.53	+10 59.5	2.525	3.216	15.0	22.2
6 30	20 47.00	+11 9.1	2.415	3.197	13.4	22.0
7 10	20 40.72	+10 57.2	2.322	3.178	11.6	21.8
7 20	20 33.05	+10 21.3	2.251	3.158	9.9	21.7
7 30	20 24.60	+ 9 20.5	2.205	3.137	8.8	21.6
8 9	20 16.11	+ 7 56.8	2.184	3.116	8.8	21.6
8 19	20 8.35	+ 6 14.5	2.191	3.093	10.1	21.6
8 29	20 2.03	+ 4 20.1	2.223	3.070	12.1	21.7

442156 2010 VC_{198} 7 27.3 314.°91 3.°2/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.80	−12 28.9	1.905	2.735	14.8	21.1
6 30	20 47.76	−11 48.5	1.803	2.711	11.8	20.9
7 10	20 41.49	−11 15.7	1.721	2.687	8.4	20.6
7 20	20 33.46	−10 50.7	1.664	2.664	4.9	20.3
7 30	20 24.45	−10 33.4	1.633	2.641	3.3	20.2
8 9	20 15.48	−10 22.5	1.628	2.618	6.0	20.3
8 19	20 7.56	−10 16.8	1.648	2.596	9.9	20.5
8 29	20 1.57	−10 14.1	1.692	2.574	13.6	20.7

128987 2004 TZ_{207} 7 27.3 177.°68 0.°6/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 49.95	−19 26.8	2.783	3.614	10.6	20.8
6 30	20 45.51	−19 51.7	2.700	3.615	8.1	20.6
7 10	20 39.54	−20 21.3	2.640	3.616	5.3	20.4
7 20	20 32.46	−20 52.9	2.607	3.617	2.2	20.2
7 30	20 24.87	−21 23.7	2.603	3.617	1.2	20.1
8 9	20 17.43	−21 51.2	2.628	3.617	4.2	20.4
8 19	20 10.78	−22 13.5	2.681	3.616	7.1	20.6
8 29	20 5.51	−22 29.5	2.759	3.616	9.7	20.7

15894 1997 JA_{13} 7 27.3 340.°12 1.°7/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 48.35	−13 46.5	1.241	2.109	18.8	18.4
6 30	20 46.04	−13 55.0	1.167	2.099	14.9	18.1
7 10	20 40.83	−14 19.4	1.110	2.090	10.1	17.8
7 20	20 33.28	−14 57.6	1.074	2.082	4.9	17.5
7 30	20 24.52	−15 44.9	1.061	2.075	2.0	17.3
8 9	20 16.00	−16 34.9	1.072	2.069	7.0	17.5
8 19	20 9.10	−17 21.6	1.104	2.064	12.3	17.8
8 29	20 4.94	−18 0.6	1.157	2.059	16.9	18.1

506656 2006 SJ_{148} 7 27.3 283.°87 1.°1/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.66	−14 34.1	1.537	2.386	16.8	22.2
6 30	20 49.07	−14 48.7	1.442	2.364	13.3	21.9
7 10	20 42.73	−15 16.7	1.366	2.343	9.1	21.6
7 20	20 34.12	−15 56.0	1.313	2.321	4.3	21.3
7 30	20 24.19	−16 42.3	1.285	2.299	1.6	21.1
8 9	20 14.22	−17 30.0	1.283	2.277	6.6	21.3
8 19	20 5.55	−18 14.2	1.304	2.255	11.6	21.6
8 29	19 59.33	−18 51.1	1.348	2.233	16.1	21.8

127981 2003 HS_{41} 7 27.3 93.°37 5.°7/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 50.53	− 1 55.2	2.294	3.073	14.1	19.7
6 30	20 46.12	− 1 18.5	2.217	3.080	11.8	19.6
7 10	20 40.02	− 0 55.9	2.161	3.088	9.3	19.4
7 20	20 32.69	− 0 48.5	2.128	3.095	6.9	19.3
7 30	20 24.80	− 0 56.2	2.121	3.103	5.8	19.3
8 9	20 17.12	− 1 17.1	2.141	3.110	6.6	19.3
8 19	20 10.38	− 1 48.3	2.187	3.118	8.7	19.5
8 29	20 5.19	− 2 26.1	2.257	3.125	11.2	19.6

33827 2000 ED 7 27.3 93.°71 3.°4/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.02	−23 32.6	1.639	2.494	15.6	18.2
6 30	20 51.18	−24 45.9	1.584	2.512	11.9	18.0
7 10	20 43.73	−26 4.6	1.550	2.529	7.9	17.8
7 20	20 34.37	−27 21.3	1.541	2.547	4.2	17.6
7 30	20 24.19	−28 28.5	1.558	2.563	4.1	17.7
8 9	20 14.48	−29 20.5	1.602	2.580	7.6	17.9
8 19	20 6.38	−29 54.9	1.671	2.596	11.3	18.2
8 29	20 0.75	−30 12.0	1.762	2.612	14.6	18.4

11012 Henning 7 27.3 32.°34 0.°8/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.26	−18 8.3	1.444	2.307	16.9	18.0
6 30	20 47.76	−18 43.3	1.382	2.314	13.0	17.8
7 10	20 41.61	−19 28.9	1.340	2.322	8.5	17.6
7 20	20 33.50	−20 20.1	1.321	2.331	3.6	17.3
7 30	20 24.51	−21 11.0	1.327	2.340	1.8	17.2
8 9	20 15.95	−21 55.8	1.357	2.350	6.6	17.5
8 19	20 8.97	−22 30.5	1.412	2.360	11.1	17.8
8 29	20 4.48	−22 53.4	1.488	2.371	15.0	18.1

510678 2012 UJ_{47} 7 27.3 196.°46 2.°0/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.65	−22 54.1	2.190	3.032	12.7	22.0
6 30	20 48.85	−23 31.5	2.109	3.030	9.7	21.8
7 10	20 42.00	−24 12.9	2.050	3.028	6.4	21.6
7 20	20 33.61	−24 54.4	2.018	3.025	3.1	21.3
7 30	20 24.47	−25 31.5	2.013	3.023	2.6	21.3
8 9	20 15.52	−26 0.4	2.037	3.019	5.8	21.5
8 19	20 7.68	−26 19.3	2.086	3.016	9.2	21.7
8 29	20 1.69	−26 27.5	2.160	3.012	12.2	21.9

139721 2001 QA_{243} 7 27.3 221.°84 1.°5/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.19	−21 36.3	2.111	2.956	13.0	19.6
6 30	20 47.76	−22 4.5	2.032	2.955	10.0	19.4
7 10	20 41.29	−22 37.4	1.975	2.953	6.5	19.2
7 20	20 33.30	−23 11.3	1.943	2.952	2.9	19.0
7 30	20 24.59	−23 42.4	1.938	2.950	2.1	18.9
8 9	20 16.09	−24 7.0	1.962	2.948	5.5	19.2
8 19	20 8.71	−24 23.1	2.011	2.946	9.1	19.4
8 29	20 3.19	−24 29.9	2.084	2.945	12.2	19.6

206609 2003 WC_{77} 7 27.3 313.°89 2.°1/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 47.66	−11 8.0	1.554	2.401	16.7	19.3
6 30	20 45.20	−11 33.5	1.452	2.372	13.4	19.0
7 10	20 40.20	−12 17.3	1.369	2.342	9.4	18.7
7 20	20 33.06	−13 18.2	1.308	2.314	4.9	18.3
7 30	20 24.62	−14 32.0	1.272	2.285	2.2	18.1
8 9	20 16.03	−15 52.4	1.261	2.257	6.4	18.3
8 19	20 8.56	−17 12.2	1.274	2.229	11.4	18.5
8 29	20 3.35	−18 25.1	1.309	2.203	15.9	18.7

172882 2005 EQ_{220} 7 27.3 183.°92 0.°6/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.48	−19 2.7	1.892	2.729	14.6	21.7
6 30	20 52.03	−19 24.4	1.812	2.729	11.3	21.5
7 10	20 44.21	−19 53.1	1.753	2.729	7.4	21.2
7 20	20 34.59	−20 25.1	1.720	2.729	3.2	21.0
7 30	20 24.11	−20 56.1	1.714	2.727	1.5	20.8
8 9	20 13.89	−21 22.3	1.736	2.725	5.8	21.1
8 19	20 4.97	−21 41.1	1.784	2.722	9.9	21.4
8 29	19 58.24	−21 51.4	1.856	2.719	13.4	21.6

244443 2002 RV_{56} 7 27.3 291.°70 5.°6/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 50.08	− 3 19.5	2.006	2.801	15.3	19.9
6 30	20 46.44	− 3 4.7	1.891	2.770	12.8	19.7
7 10	20 40.68	− 3 6.3	1.797	2.738	10.0	19.4
7 20	20 33.18	− 3 25.8	1.725	2.706	7.1	19.2
7 30	20 24.61	− 4 2.9	1.679	2.673	5.6	19.0
8 9	20 15.89	− 4 55.1	1.659	2.640	7.0	19.0
8 19	20 7.99	− 5 58.2	1.665	2.607	10.1	19.1
8 29	20 1.85	− 7 6.8	1.694	2.574	13.6	19.3

180104 2003 FN_{11} 7 27.3 197.°27 0.°8/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.54	−20 1.0	2.328	3.166	12.2	21.2
6 30	20 47.06	−20 25.6	2.246	3.165	9.3	21.0
7 10	20 40.73	−20 55.5	2.186	3.163	6.1	20.8
7 20	20 33.05	−21 27.5	2.153	3.162	2.6	20.5
7 30	20 24.71	−21 58.2	2.147	3.160	1.5	20.5
8 9	20 16.57	−22 24.5	2.170	3.159	4.9	20.7
8 19	20 9.40	−22 44.3	2.220	3.157	8.3	20.9
8 29	20 3.90	−22 56.4	2.293	3.154	11.3	21.1

359584 2010 UA_{46} 7 27.3 11°57 11°8/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 49.06	+11 9.7	1.970	2.687	18.0	19.8
6 30	20 45.41	+12 39.8	1.898	2.689	16.2	19.6
7 10	20 39.79	+13 47.9	1.843	2.692	14.4	19.5
7 20	20 32.68	+14 29.4	1.807	2.695	12.9	19.4
7 30	20 24.84	+14 41.2	1.793	2.699	11.9	19.3
8 9	20 17.17	+14 23.8	1.800	2.703	12.0	19.4
8 19	20 10.54	+13 40.7	1.829	2.708	12.9	19.4
8 29	20 5.69	+12 37.6	1.879	2.714	14.5	19.6

9074 Yosukeyoshida 7 27.3 49°32 2°0/26.3 18 R

6 20	20 53.63	−19 28.5	1.203	2.076	19.0	17.1
6 30	20 49.93	−20 26.5	1.157	2.095	14.5	16.8
7 10	20 43.16	−21 35.3	1.129	2.114	9.4	16.6
7 20	20 34.18	−22 47.4	1.124	2.134	4.1	16.4
7 30	20 24.32	−23 54.1	1.143	2.155	2.9	16.4
8 9	20 15.16	−24 48.2	1.186	2.176	7.8	16.7
8 19	20 7.98	−25 26.1	1.251	2.197	12.5	17.0
8 29	20 3.73	−25 47.1	1.337	2.219	16.4	17.3

434342 2004 QH_{17} 7 27.3 4°24 11°9/30.0 18

6 20	20 53.76	+ 1 12.2	1.499	2.289	19.9	18.8
6 30	20 49.52	+ 3 42.5	1.431	2.289	17.3	18.6
7 10	20 42.74	+ 5 56.6	1.382	2.290	14.8	18.4
7 20	20 34.01	+ 7 47.1	1.355	2.293	12.7	18.3
7 30	20 24.36	+ 9 7.8	1.350	2.297	11.9	18.3
8 9	20 14.99	+ 9 56.5	1.368	2.303	12.7	18.3
8 19	20 7.07	+10 14.8	1.407	2.310	14.6	18.5
8 29	20 1.51	+10 8.1	1.466	2.318	16.9	18.7

471733 2012 UH_{34} 7 27.3 265°63 7°6/ 1.4 18

6 20	20 50.58	+ 4 16.5	2.254	2.999	15.3	21.7
6 30	20 46.54	+ 4 38.0	2.142	2.975	13.3	21.5
7 10	20 40.58	+ 4 40.5	2.050	2.950	11.0	21.3
7 20	20 33.08	+ 4 21.8	1.980	2.925	8.9	21.1
7 30	20 24.68	+ 3 41.0	1.934	2.899	7.7	21.0
8 9	20 16.19	+ 2 40.0	1.915	2.872	8.2	21.0
8 19	20 8.47	+ 1 22.8	1.921	2.845	10.2	21.0
8 29	20 2.31	− 0 4.8	1.952	2.817	12.8	21.2

399062 2013 YW_{80} 7 27.3 217°97 2°3/25.6 18

6 20	20 53.43	−21 41.5	2.063	2.907	13.3	21.2
6 30	20 48.92	−22 45.8	1.978	2.901	10.2	20.9
7 10	20 42.21	−23 57.3	1.916	2.894	6.7	20.7
7 20	20 33.78	−25 10.9	1.880	2.887	3.3	20.5
7 30	20 24.43	−26 20.5	1.872	2.880	3.0	20.5
8 9	20 15.18	−27 20.7	1.891	2.872	6.3	20.7
8 19	20 7.01	−28 7.9	1.937	2.864	9.9	20.9
8 29	20 0.80	−28 40.9	2.007	2.855	13.2	21.1

87902 2000 SQ_{307} 7 27.3 2°43 8°0/24.8 18

6 20	20 57.66	−35 43.5	1.276	2.147	18.2	17.7
6 30	20 53.51	−36 15.0	1.216	2.146	14.7	17.5
7 10	20 45.77	−36 38.1	1.176	2.145	11.1	17.3
7 20	20 35.37	−36 43.9	1.156	2.146	8.4	17.2
7 30	20 23.89	−36 25.6	1.159	2.147	8.5	17.2
8 9	20 13.21	−35 41.1	1.185	2.150	11.2	17.3
8 19	20 4.89	−34 33.8	1.233	2.154	14.8	17.5
8 29	19 59.97	−33 9.8	1.299	2.158	18.2	17.8

261471 2005 VZ_{110} 7 27.3 324°82 5°1/23.9 18

6 20	20 52.01	−30 34.4	2.022	2.878	13.1	20.6
6 30	20 47.97	−31 34.9	1.947	2.871	10.3	20.4
7 10	20 41.63	−32 35.2	1.894	2.866	7.4	20.2
7 20	20 33.52	−33 29.1	1.866	2.860	5.3	20.1
7 30	20 24.55	−34 10.9	1.865	2.854	5.6	20.1
8 9	20 15.80	−34 36.3	1.889	2.849	8.0	20.2
8 19	20 8.29	−34 44.1	1.938	2.844	11.0	20.4
8 29	20 2.90	−34 35.2	2.008	2.840	13.8	20.6

184763 2005 SZ_{278} 7 27.3 147°51 1°0/27.9 18

6 20	20 51.04	−15 11.2	2.386	3.212	12.3	20.8
6 30	20 46.54	−15 16.6	2.305	3.215	9.5	20.6
7 10	20 40.33	−15 29.3	2.247	3.218	6.4	20.4
7 20	20 32.86	−15 47.5	2.214	3.221	3.0	20.2
7 30	20 24.82	−16 8.7	2.210	3.224	1.2	20.0
8 9	20 16.99	−16 30.4	2.234	3.226	4.4	20.3
8 19	20 10.09	−16 50.3	2.285	3.228	7.7	20.5
8 29	20 4.76	−17 6.8	2.361	3.231	10.6	20.7

231856 2000 SJ_{138} 7 27.3 251°77 0°6/27.6 18

6 20	20 54.71	−16 12.6	2.190	3.016	13.2	21.1
6 30	20 49.78	−16 20.7	2.085	2.996	10.4	20.8
7 10	20 42.73	−16 36.5	2.002	2.975	7.0	20.6
7 20	20 34.01	−16 58.0	1.945	2.953	3.2	20.3
7 30	20 24.35	−17 22.1	1.916	2.930	1.2	20.1
8 9	20 14.70	−17 45.9	1.915	2.907	5.1	20.4
8 19	20 6.00	−18 6.7	1.941	2.883	9.0	20.5
8 29	19 59.09	−18 22.7	1.992	2.858	12.5	20.7

386427 2008 VJ_{18} 7 27.3 205°44 1°6/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 53.47	−21 17.6	1.996	2.841	13.6	21.9
6 30	20 48.91	−21 54.0	1.916	2.839	10.5	21.6
7 10	20 42.15	−22 36.1	1.858	2.836	6.9	21.4
7 20	20 33.73	−23 19.9	1.825	2.834	3.1	21.2
7 30	20 24.49	−24 0.6	1.819	2.831	2.3	21.1
8 9	20 15.46	−24 34.0	1.841	2.827	5.9	21.3
8 19	20 7.61	−24 57.7	1.889	2.824	9.6	21.6
8 29	20 1.75	−25 10.6	1.960	2.820	12.9	21.8

172116 2002 GO_{113} 7 27.3 125°29 2°2/28.5 17

6 20	20 53.54	−11 21.5	1.499	2.338	17.6	20.0
6 30	20 49.45	−11 43.2	1.428	2.343	13.9	19.8
7 10	20 42.74	−12 21.3	1.376	2.348	9.6	19.6
7 20	20 34.04	−13 13.4	1.347	2.352	4.9	19.3
7 30	20 24.38	−14 14.3	1.343	2.356	2.3	19.2
8 9	20 15.03	−15 18.0	1.366	2.360	6.3	19.4
8 19	20 7.17	−16 18.5	1.412	2.364	10.8	19.7
8 29	20 1.74	−17 11.6	1.482	2.368	14.9	20.0

82052 2000 SR_{349} 7 27.3 8°33 7°4/22.9 18

6 20	20 53.38	−35 9.3	1.716	2.577	14.8	18.8
6 30	20 49.48	−36 21.2	1.656	2.578	11.9	18.6
7 10	20 42.81	−37 28.5	1.617	2.579	9.2	18.4
7 20	20 34.07	−38 23.4	1.601	2.582	7.5	18.3
7 30	20 24.38	−38 58.6	1.610	2.584	8.0	18.4
8 9	20 15.12	−39 10.5	1.643	2.588	10.2	18.5
8 19	20 7.51	−38 59.1	1.698	2.592	13.0	18.7
8 29	20 2.50	−38 27.5	1.774	2.596	15.7	18.9

312427 2008 GJ_{94} 7 27.3 286°21 0°2/27.2 18

6 20	20 50.06	−17 30.5	2.210	3.048	12.7	21.2
6 30	20 46.03	−17 56.8	2.127	3.046	9.8	21.0
7 10	20 40.13	−18 30.6	2.066	3.043	6.5	20.8
7 20	20 32.83	−19 9.0	2.031	3.040	2.8	20.5
7 30	20 24.85	−19 48.4	2.024	3.038	1.1	20.4
8 9	20 17.03	−20 25.2	2.044	3.035	4.9	20.7
8 19	20 10.20	−20 56.6	2.091	3.033	8.4	20.9
8 29	20 5.05	−21 20.8	2.161	3.030	11.6	21.1

82760 2001 QE_{9} 7 27.3 257°25 1°0/26.7 18

6 20	20 52.23	−20 17.3	2.080	2.923	13.2	19.9
6 30	20 47.86	−20 39.3	1.996	2.918	10.2	19.7
7 10	20 41.42	−21 6.9	1.934	2.912	6.7	19.5
7 20	20 33.41	−21 36.9	1.897	2.906	2.9	19.2
7 30	20 24.63	−22 5.4	1.887	2.900	1.6	19.1
8 9	20 16.04	−22 28.9	1.905	2.895	5.4	19.4
8 19	20 8.55	−22 45.3	1.950	2.889	9.1	19.6
8 29	20 2.93	−22 53.5	2.017	2.883	12.4	19.8

8694 1993 CO 7 27.3 229°98 1°2/26.5 18

6 20	20 52.02	−21 5.8	2.242	3.083	12.5	17.5
6 30	20 47.56	−21 32.9	2.157	3.078	9.6	17.3
7 10	20 41.14	−22 4.9	2.095	3.073	6.3	17.1
7 20	20 33.27	−22 38.4	2.060	3.068	2.8	16.9
7 30	20 24.69	−23 9.6	2.051	3.063	1.8	16.8
8 9	20 16.28	−23 35.3	2.071	3.058	5.3	17.0
8 19	20 8.89	−23 53.2	2.117	3.053	8.7	17.2
8 29	20 3.25	−24 2.6	2.188	3.047	11.8	17.4

481465 2006 YB_{35} 7 27.3 219°19 2°5/25.3 18

6 20	20 51.34	−24 19.8	2.507	3.349	11.3	21.7
6 30	20 46.92	−25 12.0	2.423	3.344	8.7	21.5
7 10	20 40.68	−26 7.8	2.362	3.338	5.8	21.3
7 20	20 33.07	−27 2.8	2.327	3.332	3.1	21.2
7 30	20 24.76	−27 52.8	2.321	3.326	3.0	21.1
8 9	20 16.56	−28 33.9	2.343	3.319	5.6	21.3
8 19	20 9.27	−29 4.0	2.392	3.313	8.6	21.5
8 29	20 3.57	−29 22.4	2.466	3.306	11.3	21.7

363698 2004 TA_{257} 7 27.3 248°04 9°9/ 4.7 18

6 20	20 48.09	+14 26.7	2.647	3.315	14.9	21.1
6 30	20 44.25	+15 17.9	2.557	3.308	13.5	21.0
7 10	20 38.84	+15 49.7	2.484	3.301	12.1	20.9
7 20	20 32.26	+15 59.0	2.431	3.295	10.8	20.8
7 30	20 25.06	+15 44.1	2.400	3.288	10.0	20.7
8 9	20 17.93	+15 5.7	2.392	3.281	10.0	20.7
8 19	20 11.54	+14 6.4	2.408	3.274	10.7	20.8
8 29	20 6.48	+12 51.1	2.446	3.267	12.0	20.8

92115 1999 XD_{74} 7 27.3 226°07 0°6/26.8 18

6 20	20 50.29	−19 26.2	2.754	3.585	10.7	20.0
6 30	20 45.87	−19 51.3	2.662	3.577	8.2	19.9
7 10	20 39.87	−20 21.3	2.593	3.569	5.4	19.7
7 20	20 32.68	−20 53.7	2.551	3.560	2.3	19.5
7 30	20 24.91	−21 25.5	2.538	3.551	1.2	19.3
8 9	20 17.24	−21 54.1	2.554	3.542	4.3	19.6
8 19	20 10.34	−22 17.4	2.597	3.533	7.3	19.7
8 29	20 4.83	−22 34.1	2.666	3.523	10.0	19.9

345043 2005 EH_{284} 7 27.3 280°.15 2°.1/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 50.95	−12 18.5	1.914	2.745	14.7	21.5
6 30	20 47.03	−12 23.0	1.824	2.735	11.6	21.3
7 10	20 40.97	−12 39.0	1.756	2.725	8.0	21.1
7 20	20 33.26	−13 5.2	1.711	2.715	4.2	20.8
7 30	20 24.69	−13 38.8	1.693	2.705	2.2	20.7
8 9	20 16.24	−14 16.1	1.701	2.695	5.4	20.8
8 19	20 8.87	−14 53.5	1.736	2.684	9.4	21.1
8 29	20 3.40	−15 27.8	1.793	2.674	12.9	21.3

93045 2000 SF_{6} 7 27.3 177°.86 6°.2/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.27	−33 23.9	2.091	2.935	13.1	19.3
6 30	20 52.05	−34 46.6	2.022	2.936	10.5	19.1
7 10	20 44.34	−36 7.3	1.976	2.938	7.9	19.0
7 20	20 34.72	−37 18.6	1.957	2.938	6.3	18.9
7 30	20 24.16	−38 13.8	1.964	2.938	6.8	18.9
8 9	20 13.84	−38 48.5	1.997	2.938	8.9	19.0
8 19	20 4.87	−39 1.8	2.055	2.937	11.6	19.2
8 29	19 58.18	−38 55.6	2.134	2.936	14.1	19.4

245831 2006 JG_{58} 7 27.3 127°.26 0°.1/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.99	−14 51.3	2.178	3.004	13.3	20.9
6 30	20 48.20	−15 43.4	2.106	3.018	10.2	20.7
7 10	20 41.50	−16 45.7	2.058	3.032	6.7	20.5
7 20	20 33.41	−17 54.3	2.036	3.044	2.9	20.3
7 30	20 24.67	−19 4.5	2.043	3.057	1.0	20.1
8 9	20 16.18	−20 11.4	2.078	3.069	4.9	20.4
8 19	20 8.74	−21 11.1	2.141	3.080	8.4	20.7
8 29	20 3.06	−22 1.1	2.228	3.091	11.5	20.9

175568 2006 TT_{17} 7 27.3 7°.45 0°.9/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 50.73	−19 17.7	1.874	2.724	14.2	20.4
6 30	20 46.88	−19 47.4	1.799	2.724	10.9	20.2
7 10	20 40.84	−20 24.5	1.745	2.725	7.1	20.0
7 20	20 33.19	−21 5.3	1.716	2.726	3.0	19.8
7 30	20 24.76	−21 45.1	1.714	2.727	1.6	19.7
8 9	20 16.58	−22 20.0	1.738	2.728	5.7	19.9
8 19	20 9.60	−22 46.8	1.787	2.730	9.6	20.2
8 29	20 4.63	−23 4.2	1.860	2.732	13.0	20.4

56304 1999 RB_{119} 7 27.3 357°.09 2°.9/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.58	−15 16.6	1.646	2.488	16.2	17.3
6 30	20 49.99	−14 14.3	1.568	2.485	12.8	17.1
7 10	20 42.95	−13 17.3	1.511	2.482	8.9	16.9
7 20	20 34.10	−12 26.4	1.477	2.480	4.8	16.6
7 30	20 24.43	−11 42.1	1.469	2.479	3.1	16.5
8 9	20 15.12	−11 4.1	1.488	2.479	6.3	16.7
8 19	20 7.24	−10 32.2	1.531	2.480	10.4	17.0
8 29	20 1.65	−10 5.4	1.598	2.482	14.1	17.2

466577 2014 UX_{41} 7 27.3 314°.57 5°.1/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 50.87	−25 26.5	1.079	1.970	19.3	21.2
6 30	20 49.07	−26 18.4	0.996	1.943	15.2	20.9
7 10	20 43.57	−27 19.1	0.930	1.917	10.5	20.5
7 20	20 34.81	−28 20.5	0.884	1.891	6.1	20.2
7 30	20 24.07	−29 11.9	0.860	1.867	6.0	20.1
8 9	20 13.28	−29 43.7	0.857	1.843	10.9	20.3
8 19	20 4.44	−29 51.5	0.874	1.820	16.4	20.5
8 29	19 59.22	−29 35.8	0.907	1.798	21.5	20.7

52134 6059 $P–L$ 7 27.3 246°.92 2°.0/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.45	−12 30.7	2.042	2.868	14.0	18.4
6 30	20 47.23	−12 32.3	1.956	2.864	11.1	18.2
7 10	20 41.01	−12 44.2	1.891	2.859	7.6	18.0
7 20	20 33.27	−13 5.2	1.851	2.855	4.0	17.8
7 30	20 24.78	−13 32.7	1.838	2.850	2.1	17.6
8 9	20 16.46	−14 3.5	1.852	2.845	5.1	17.8
8 19	20 9.18	−14 34.5	1.893	2.840	8.8	18.1
8 29	20 3.70	−15 2.8	1.957	2.835	12.2	18.3

300797 2007 VT_{331} 7 27.3 277°.06 0°.7/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.16	−18 26.4	1.983	2.827	13.7	20.6
6 30	20 47.22	−18 59.5	1.895	2.817	10.6	20.4
7 10	20 41.12	−19 41.1	1.829	2.807	7.0	20.2
7 20	20 33.37	−20 27.5	1.788	2.797	3.0	19.9
7 30	20 24.75	−21 14.3	1.774	2.787	1.5	19.8
8 9	20 16.25	−21 57.0	1.787	2.778	5.6	20.0
8 19	20 8.83	−22 32.2	1.826	2.768	9.5	20.2
8 29	20 3.32	−22 58.1	1.889	2.758	12.9	20.4

42489 1991 RL_{18} 7 27.3 283°.13 6°.5/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 49.69	− 0 59.0	1.846	2.638	16.6	18.8
6 30	20 46.24	− 0 46.2	1.746	2.618	14.0	18.6
7 10	20 40.61	− 0 53.3	1.664	2.599	11.1	18.4
7 20	20 33.21	− 1 21.9	1.605	2.579	8.2	18.2
7 30	20 24.79	− 2 11.6	1.570	2.559	6.5	18.0
8 9	20 16.35	− 3 19.2	1.560	2.539	7.6	18.0
8 19	20 8.88	− 4 39.1	1.576	2.519	10.6	18.2
8 29	20 3.30	− 6 4.7	1.615	2.499	13.9	18.3

86089 1999 RN_{89} 7 27.3 355°.30 4°.2/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 47.20	− 5 50.1	1.875	2.692	15.5	19.0
6 30	20 44.10	− 5 53.8	1.794	2.689	12.6	18.8
7 10	20 39.02	− 6 14.3	1.733	2.687	9.3	18.6
7 20	20 32.44	− 6 51.2	1.695	2.686	6.0	18.4
7 30	20 25.11	− 7 42.2	1.682	2.685	4.2	18.3
8 9	20 17.96	− 8 43.0	1.695	2.684	5.9	18.4
8 19	20 11.84	− 9 48.5	1.733	2.684	9.2	18.6
8 29	20 7.53	−10 53.6	1.796	2.685	12.5	18.8

239761 2010 CU_{18} 7 27.3 191°.72 4°.3/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.38	−31 9.4	2.388	3.223	12.0	21.8
6 30	20 52.45	−31 50.3	2.308	3.221	9.4	21.6
7 10	20 44.37	−32 29.2	2.252	3.219	6.7	21.4
7 20	20 34.70	−33 1.1	2.223	3.216	4.6	21.3
7 30	20 24.29	−33 21.6	2.221	3.212	4.7	21.3
8 9	20 14.13	−33 27.8	2.248	3.208	6.9	21.4
8 19	20 5.17	−33 19.4	2.301	3.203	9.7	21.6
8 29	19 58.19	−32 57.7	2.377	3.198	12.3	21.7

321938 2010 TQ_{124} 7 27.3 309°.03 0°.1/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.62	−16 2.0	1.400	2.258	17.6	20.8
6 30	20 49.10	−16 35.1	1.325	2.254	13.7	20.6
7 10	20 42.75	−17 22.1	1.270	2.250	9.1	20.3
7 20	20 34.18	−18 18.9	1.237	2.247	4.0	20.0
7 30	20 24.46	−19 19.2	1.229	2.243	1.5	19.8
8 9	20 14.99	−20 16.1	1.246	2.240	6.8	20.1
8 19	20 7.08	−21 4.5	1.286	2.237	11.8	20.4
8 29	20 1.82	−21 41.1	1.348	2.234	16.1	20.7

355023 2006 QP_{145} 7 27.3 244°.46 3°.0/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.02	−26 52.7	2.253	3.095	12.4	21.3
6 30	20 49.98	−27 18.5	2.165	3.085	9.6	21.1
7 10	20 42.81	−27 45.0	2.100	3.075	6.5	20.8
7 20	20 34.06	−28 8.1	2.061	3.064	3.6	20.6
7 30	20 24.52	−28 23.6	2.050	3.054	3.4	20.6
8 9	20 15.18	−28 28.8	2.066	3.043	6.2	20.8
8 19	20 6.95	−28 22.6	2.109	3.032	9.4	21.0
8 29	20 0.62	−28 5.7	2.175	3.020	12.4	21.1

479780 2014 EN_{36} 7 27.3 255°.58 0°.1/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.64	−16 26.4	2.109	2.943	13.4	22.3
6 30	20 48.32	−17 1.2	2.009	2.925	10.5	22.1
7 10	20 41.86	−17 45.9	1.931	2.906	7.0	21.9
7 20	20 33.72	−18 37.5	1.878	2.887	3.0	21.6
7 30	20 24.62	−19 31.8	1.853	2.867	1.1	21.4
8 9	20 15.52	−20 24.1	1.855	2.847	5.3	21.7
8 19	20 7.37	−21 10.6	1.885	2.826	9.3	21.8
8 29	20 1.03	−21 48.7	1.939	2.805	12.8	22.0

125279 2001 VE_{14} 7 27.3 103°.05 4°.0/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.40	−26 30.6	1.364	2.228	17.7	19.1
6 30	20 54.44	−27 2.4	1.301	2.233	13.7	18.9
7 10	20 46.25	−27 36.0	1.257	2.237	9.3	18.7
7 20	20 35.64	−28 4.6	1.236	2.242	5.1	18.4
7 30	20 23.97	−28 21.3	1.240	2.246	4.6	18.4
8 9	20 12.88	−28 22.0	1.268	2.250	8.5	18.7
8 19	20 3.81	−28 6.5	1.319	2.254	12.9	18.9
8 29	19 57.81	−27 37.1	1.391	2.258	16.8	19.2

292200 2006 SS_{34} 7 27.3 2°.37 0°.2/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 49.63	−18 24.3	1.048	1.934	20.1	19.5
6 30	20 47.44	−18 18.9	0.987	1.932	15.7	19.3
7 10	20 41.93	−18 24.2	0.944	1.931	10.4	19.0
7 20	20 33.87	−18 36.7	0.920	1.931	4.5	18.6
7 30	20 24.61	−18 51.8	0.919	1.933	1.6	18.5
8 9	20 15.88	−19 4.4	0.939	1.936	7.6	18.8
8 19	20 9.17	−19 11.1	0.979	1.941	13.2	19.2
8 29	20 5.61	−19 10.2	1.039	1.947	17.9	19.5

180428 2004 BR_{83} 7 27.3 166°.06 3°.3/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.94	− 8 57.7	1.670	2.496	16.7	20.3
6 30	20 48.77	− 9 5.9	1.593	2.497	13.4	20.1
7 10	20 42.23	− 9 30.3	1.535	2.499	9.5	19.8
7 20	20 33.87	−10 9.7	1.501	2.500	5.5	19.6
7 30	20 24.61	−11 0.7	1.492	2.501	3.3	19.5
8 9	20 15.60	−11 58.3	1.510	2.502	6.1	19.7
8 19	20 7.87	−12 57.2	1.552	2.503	10.1	19.9
8 29	20 2.33	−13 52.7	1.618	2.503	13.9	20.1

105533 2000 RB_{29} 7 27.3 324°.65 0°.8/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.59	−21 20.8	1.975	2.820	13.7	19.2
6 30	20 48.99	−21 18.3	1.892	2.815	10.6	19.0
7 10	20 42.21	−21 19.3	1.831	2.810	7.0	18.8
7 20	20 33.81	−21 21.0	1.795	2.805	3.0	18.5
7 30	20 24.65	−21 20.7	1.787	2.800	1.5	18.4
8 9	20 15.76	−21 16.0	1.805	2.795	5.5	18.7
8 19	20 8.08	−21 5.8	1.849	2.791	9.3	18.9
8 29	20 2.40	−20 49.9	1.917	2.787	12.7	19.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
400431 2008 CL_{204}			7 27.3	86°.29	5°.7/23.4 18	
	h m	° ′			°	m
6 20	20 54.83	−34 5.3	2.240	3.084	12.4	20.9
6 30	20 49.85	−35 9.7	2.183	3.097	9.8	20.8
7 10	20 42.70	−36 10.2	2.150	3.110	7.4	20.7
7 20	20 33.98	−37 0.9	2.142	3.123	5.8	20.6
7 30	20 24.61	−37 36.8	2.160	3.136	6.1	20.6
8 9	20 15.60	−37 54.8	2.205	3.149	8.0	20.8
8 19	20 7.89	−37 54.9	2.275	3.162	10.4	20.9
8 29	20 2.22	−37 39.0	2.367	3.175	12.7	21.1
271714 2004 RE_{203}			7 27.3	348°.07	0°.9/26.8 17	
6 20	20 53.42	−19 33.6	1.672	2.525	15.5	21.3
6 30	20 49.24	−19 57.8	1.598	2.524	12.0	21.1
7 10	20 42.58	−20 29.6	1.544	2.524	7.9	20.8
7 20	20 34.03	−21 5.1	1.514	2.523	3.4	20.5
7 30	20 24.57	−21 39.4	1.510	2.523	1.8	20.4
8 9	20 15.41	−22 8.1	1.532	2.523	6.2	20.7
8 19	20 7.65	−22 28.3	1.579	2.523	10.5	21.0
8 29	20 2.19	−22 38.8	1.648	2.523	14.2	21.2
423279 2004 XS_{78}			7 27.3	149°.65	2°.9/28.7 17	
6 20	20 57.01	−11 32.2	1.657	2.483	16.8	20.9
6 30	20 51.85	−11 19.2	1.583	2.490	13.3	20.7
7 10	20 44.21	−11 18.6	1.530	2.496	9.3	20.4
7 20	20 34.71	−11 29.4	1.501	2.502	5.1	20.2
7 30	20 24.36	−11 49.1	1.497	2.507	3.0	20.1
8 9	20 14.35	−12 14.2	1.520	2.512	6.2	20.3
8 19	20 5.79	−12 41.2	1.569	2.516	10.3	20.5
8 29	19 59.54	−13 6.9	1.640	2.520	14.0	20.8
254249 2004 RG_{156}			7 27.3	4°.83	5°.3/30.4 18	
6 20	20 46.72	− 5 20.9	1.657	2.481	16.9	19.8
6 30	20 43.95	− 5 0.3	1.583	2.481	13.8	19.6
7 10	20 39.02	− 4 57.3	1.529	2.482	10.4	19.4
7 20	20 32.48	− 5 12.3	1.496	2.484	7.1	19.2
7 30	20 25.17	− 5 44.0	1.488	2.487	5.3	19.1
8 9	20 18.11	− 6 28.6	1.504	2.491	6.8	19.2
8 19	20 12.24	− 7 21.3	1.545	2.496	10.1	19.4
8 29	20 8.35	− 8 16.5	1.608	2.502	13.4	19.6
181579 2006 VL_{73}			7 27.3	25°.15	4°.6/29.2 18	
6 20	20 52.65	− 9 41.5	1.339	2.183	19.0	19.5
6 30	20 48.98	− 9 8.4	1.273	2.187	15.3	19.3
7 10	20 42.55	− 8 51.0	1.225	2.192	11.0	19.0
7 20	20 34.06	− 8 49.8	1.199	2.197	6.7	18.8
7 30	20 24.62	− 9 3.1	1.196	2.203	4.6	18.7
8 9	20 15.58	− 9 27.3	1.217	2.209	7.3	18.9
8 19	20 8.18	− 9 57.9	1.262	2.216	11.6	19.1
8 29	20 3.36	−10 30.0	1.327	2.223	15.6	19.4
472216 2014 EH_{46}			7 27.3	337°.51	3°.3/25.3 18	
6 20	20 52.18	−24 47.9	1.835	2.692	14.1	20.7
6 30	20 48.22	−25 42.2	1.761	2.690	10.9	20.5
7 10	20 41.89	−26 40.8	1.709	2.688	7.3	20.2
7 20	20 33.75	−27 38.1	1.681	2.686	4.0	20.0
7 30	20 24.72	−28 27.9	1.679	2.684	3.9	20.0
8 9	20 15.93	−29 5.5	1.704	2.683	7.1	20.2
8 19	20 8.44	−29 28.3	1.754	2.681	10.7	20.4
8 29	20 3.12	−29 36.3	1.826	2.680	14.0	20.6
339298 2004 XV_{68}			7 27.3	287°.56	5°.8/29.7 18	
6 20	20 53.75	− 6 17.4	1.801	2.610	16.3	20.0
6 30	20 49.27	− 5 23.1	1.715	2.603	13.5	19.8
7 10	20 42.51	− 4 41.5	1.649	2.596	10.2	19.6
7 20	20 34.02	− 4 14.3	1.606	2.590	7.2	19.4
7 30	20 24.64	− 4 2.3	1.589	2.583	5.8	19.3
8 9	20 15.43	− 4 4.2	1.597	2.577	7.4	19.4
8 19	20 7.39	− 4 17.5	1.630	2.570	10.5	19.6
8 29	20 1.40	− 4 38.5	1.686	2.564	13.8	19.8
127022 2002 GQ_{18}			7 27.3	99°.41	7°.6/22.9 18	
6 20	21 0.60	−37 44.1	1.936	2.776	14.2	19.9
6 30	20 54.68	−38 58.6	1.888	2.795	11.5	19.7
7 10	20 46.05	−40 5.7	1.863	2.813	9.1	19.6
7 20	20 35.48	−40 57.5	1.862	2.830	7.7	19.6
7 30	20 24.16	−41 28.0	1.886	2.848	8.1	19.6
8 9	20 13.42	−41 34.5	1.936	2.865	9.9	19.8
8 19	20 4.43	−41 18.3	2.009	2.881	12.3	19.9
8 29	19 58.06	−40 43.2	2.104	2.898	14.5	20.1
36038 1999 PU_{3}			7 27.3	100°.86	1°.0/27.9 18	
6 20	20 50.71	−14 26.8	2.276	3.104	12.7	19.3
6 30	20 46.40	−14 42.8	2.201	3.112	9.9	19.1
7 10	20 40.33	−15 7.4	2.149	3.120	6.6	18.9
7 20	20 32.98	−15 38.4	2.122	3.129	3.1	18.7
7 30	20 25.06	−16 12.9	2.123	3.137	1.2	18.6
8 9	20 17.38	−16 47.6	2.152	3.145	4.5	18.8
8 19	20 10.67	−17 19.7	2.208	3.152	7.9	19.1
8 29	20 5.58	−17 47.2	2.288	3.160	10.9	19.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
358866 2008 FG_{107}			7 27.3	331°.63	4°.7/30.7 18	
	h m	° ′			°	m
6 20	20 48.47	− 3 39.9	2.211	3.005	14.1	21.1
6 30	20 44.78	− 3 34.9	2.126	3.003	11.7	20.9
7 10	20 39.34	− 3 45.3	2.061	3.002	8.9	20.8
7 20	20 32.59	− 4 11.1	2.020	3.001	6.2	20.6
7 30	20 25.20	− 4 50.7	2.005	3.000	4.7	20.5
8 9	20 17.95	− 5 41.2	2.016	2.998	5.8	20.6
8 19	20 11.59	− 6 38.6	2.054	2.997	8.5	20.7
8 29	20 6.79	− 7 38.3	2.117	2.996	11.3	20.9
177322 2003 YX_{43}			7 27.3	338°.77	0°.1/27.3 17	
6 20	20 48.32	−22 5.9	0.942	1.841	20.7	18.4
6 30	20 47.14	−21 20.5	0.865	1.817	16.3	18.1
7 10	20 42.25	−20 35.7	0.805	1.795	11.0	17.7
7 20	20 34.25	−19 49.2	0.763	1.775	4.9	17.3
7 30	20 24.54	−18 59.0	0.742	1.756	1.8	17.0
8 9	20 15.06	−18 4.6	0.740	1.740	8.5	17.3
8 19	20 7.71	−17 7.1	0.758	1.726	14.9	17.6
8 29	20 3.94	−16 8.3	0.793	1.715	20.4	17.9
288105 2003 WG_{40}			7 27.3	142°.29	4°.9/24.9 17	
6 20	20 59.55	−29 2.8	1.681	2.533	15.4	20.9
6 30	20 54.09	−29 55.0	1.617	2.541	12.0	20.7
7 10	20 45.82	−30 47.1	1.574	2.547	8.4	20.5
7 20	20 35.45	−31 31.9	1.555	2.554	5.4	20.3
7 30	20 24.17	−32 2.9	1.563	2.560	5.5	20.4
8 9	20 13.35	−32 16.1	1.596	2.565	8.4	20.5
8 19	20 4.26	−32 10.9	1.654	2.570	11.9	20.8
8 29	19 57.82	−31 49.7	1.733	2.575	15.2	21.0
7029 1993 XT_{2}			7 27.3	41°.01	3°.1/29.7 18	R
6 20	20 48.04	− 7 23.3	2.299	3.107	13.2	17.2
6 30	20 44.37	− 7 36.3	2.217	3.110	10.6	17.1
7 10	20 39.02	− 8 2.6	2.158	3.113	7.7	16.9
7 20	20 32.44	− 8 41.1	2.123	3.117	4.7	16.7
7 30	20 25.28	− 9 29.3	2.115	3.121	3.1	16.6
8 9	20 18.28	−10 23.6	2.135	3.125	4.9	16.7
8 19	20 12.16	−11 20.2	2.181	3.128	7.8	16.9
8 29	20 7.55	−12 15.4	2.253	3.132	10.7	17.1
438928 2010 DQ_{75}			7 27.3	31°.83	5°.5/24.9 16	
6 20	20 57.11	−31 42.1	1.626	2.485	15.5	20.9
6 30	20 52.26	−32 16.1	1.565	2.491	12.2	20.7
7 10	20 44.60	−32 46.6	1.525	2.497	8.7	20.5
7 20	20 34.91	−33 7.0	1.508	2.504	6.0	20.4
7 30	20 24.40	−33 11.8	1.517	2.511	6.0	20.4
8 9	20 14.46	−32 58.4	1.550	2.519	8.7	20.6
8 19	20 6.30	−32 27.5	1.607	2.526	12.1	20.8
8 29	20 0.81	−31 42.4	1.686	2.534	15.2	21.0
259692 2003 YG_{9}			7 27.3	119°.97	3°.3/25.3 17	
6 20	20 57.18	−23 30.3	1.785	2.633	14.8	20.9
6 30	20 51.98	−24 43.0	1.725	2.649	11.4	20.7
7 10	20 44.30	−26 0.8	1.687	2.664	7.5	20.5
7 20	20 34.78	−27 17.1	1.674	2.679	4.0	20.3
7 30	20 24.44	−28 24.5	1.689	2.693	3.9	20.3
8 9	20 14.48	−29 17.8	1.730	2.707	7.2	20.6
8 19	20 6.00	−29 54.3	1.798	2.720	10.8	20.8
8 29	19 59.86	−30 14.3	1.888	2.733	14.0	21.1
150744 2001 QE_{94}			7 27.3	310°.84	0°.5/27.6 18	
6 20	20 50.47	−16 10.6	1.411	2.273	17.3	20.4
6 30	20 47.64	−16 26.8	1.322	2.252	13.6	20.2
7 10	20 41.98	−16 55.9	1.251	2.232	9.2	19.8
7 20	20 33.99	−17 35.2	1.203	2.212	4.1	19.5
7 30	20 24.67	−18 19.9	1.178	2.193	1.4	19.3
8 9	20 15.37	−19 3.9	1.178	2.174	6.9	19.6
8 19	20 7.47	−19 42.4	1.201	2.155	12.0	19.8
8 29	20 2.17	−20 11.8	1.245	2.137	16.7	20.0
211929 2004 VB_{13}			7 27.3	335°.36	0°.8/27.7 18	
6 20	20 47.11	−14 42.6	1.055	1.937	20.3	19.6
6 30	20 45.69	−15 6.2	0.982	1.924	16.0	19.2
7 10	20 41.01	−15 48.8	0.926	1.911	10.8	18.9
7 20	20 33.65	−16 47.2	0.890	1.900	4.9	18.6
7 30	20 24.80	−17 54.5	0.875	1.890	1.7	18.3
8 9	20 16.14	−19 1.9	0.882	1.881	7.8	18.7
8 19	20 9.29	−20 1.5	0.910	1.873	13.7	18.9
8 29	20 5.59	−20 47.8	0.956	1.866	18.9	19.2
143698 2003 UB_{55}			7 27.3	270°.25	1°.3/27.9 18	
6 20	20 55.80	−15 51.0	1.588	2.432	16.6	20.2
6 30	20 51.44	−15 43.8	1.494	2.414	13.1	20.0
7 10	20 44.31	−15 46.2	1.420	2.395	8.9	19.7
7 20	20 34.95	−15 56.1	1.369	2.377	4.2	19.3
7 30	20 24.33	−16 10.7	1.344	2.358	1.7	19.1
8 9	20 13.77	−16 26.3	1.345	2.339	6.4	19.4
8 19	20 4.55	−16 39.9	1.370	2.319	11.3	19.6
8 29	19 57.80	−16 49.3	1.417	2.300	15.6	19.8

505946 2015 FV_{111} 7 27.3 26°.09 9°.2/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 49.50	+ 3 54.8	1.633	2.411	19.0	21.0
6 30	20 46.15	+ 4 33.6	1.560	2.413	16.4	20.9
7 10	20 40.53	+ 4 48.2	1.505	2.417	13.5	20.7
7 20	20 33.19	+ 4 35.8	1.469	2.420	10.9	20.5
7 30	20 25.02	+ 3 55.8	1.455	2.424	9.3	20.5
8 9	20 17.07	+ 2 51.8	1.466	2.428	9.7	20.5
8 19	20 10.36	+ 1 30.0	1.499	2.432	11.8	20.6
8 29	20 5.73	− 0 1.7	1.555	2.437	14.5	20.8

510091 2010 NH_{35} 7 27.3 266°.53 4°.7/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 49.18	− 3 58.8	2.309	3.100	13.7	21.8
6 30	20 45.27	− 3 42.5	2.220	3.096	11.3	21.6
7 10	20 39.64	− 3 39.9	2.152	3.091	8.6	21.4
7 20	20 32.74	− 3 51.5	2.108	3.087	6.1	21.2
7 30	20 25.20	− 4 16.4	2.090	3.083	4.8	21.2
8 9	20 17.78	− 4 52.2	2.099	3.079	5.9	21.2
8 19	20 11.21	− 5 35.6	2.134	3.075	8.4	21.4
8 29	20 6.15	− 6 22.9	2.194	3.070	11.1	21.5

261645 2005 YY_{79} 7 27.3 325°.21 1°.0/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 49.99	−19 55.4	2.266	3.108	12.3	20.9
6 30	20 46.02	−20 26.6	2.184	3.106	9.5	20.7
7 10	20 40.19	−21 3.7	2.125	3.103	6.2	20.5
7 20	20 32.99	−21 43.3	2.092	3.101	2.7	20.2
7 30	20 25.12	−22 21.8	2.086	3.099	1.6	20.2
8 9	20 17.42	−22 55.5	2.108	3.097	5.0	20.4
8 19	20 10.69	−23 22.0	2.157	3.095	8.4	20.6
8 29	20 5.62	−23 40.1	2.230	3.093	11.4	20.8

397768 2008 GZ_{85} 7 27.3 85°.34 4°.1/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 49.23	− 5 22.3	2.250	3.049	13.8	21.0
6 30	20 45.29	− 5 19.0	2.171	3.054	11.2	20.8
7 10	20 39.64	− 5 29.7	2.112	3.059	8.4	20.6
7 20	20 32.73	− 5 53.9	2.077	3.063	5.6	20.5
7 30	20 25.23	− 6 30.1	2.069	3.068	4.1	20.4
8 9	20 17.91	− 7 15.2	2.088	3.073	5.4	20.5
8 19	20 11.51	− 8 5.3	2.134	3.078	8.2	20.7
8 29	20 6.66	− 8 56.7	2.204	3.083	11.0	20.8

242251 2003 SU_{252} 7 27.3 263°.65 7°.8/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.23	−37 44.4	2.059	2.901	13.4	20.5
6 30	20 52.45	−39 9.7	1.979	2.886	11.0	20.3
7 10	20 44.93	−40 31.2	1.921	2.869	8.9	20.1
7 20	20 35.21	−41 40.7	1.887	2.853	7.8	20.0
7 30	20 24.28	−42 30.7	1.879	2.836	8.4	20.0
8 9	20 13.44	−42 56.6	1.897	2.819	10.4	20.1
8 19	20 4.00	−42 57.4	1.937	2.802	13.0	20.2
8 29	19 57.01	−42 35.6	1.998	2.785	15.4	20.4

309718 2008 GM_{122} 7 27.3 114°.81 2°.6/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.96	−25 33.5	2.459	3.300	11.5	21.6
6 30	20 48.09	−26 12.9	2.391	3.312	8.8	21.4
7 10	20 41.42	−26 53.7	2.348	3.323	5.9	21.2
7 20	20 33.48	−27 32.0	2.330	3.334	3.2	21.1
7 30	20 24.98	−28 3.9	2.341	3.346	3.0	21.1
8 9	20 16.75	−28 26.6	2.380	3.356	5.5	21.3
8 19	20 9.56	−28 38.8	2.446	3.367	8.4	21.5
8 29	20 4.04	−28 40.5	2.536	3.377	10.9	21.6

320521 2007 YM_{30} 7 27.3 73°.79 2°.5/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.61	−22 40.1	1.397	2.260	17.4	20.8
6 30	20 52.13	−23 13.0	1.335	2.267	13.4	20.6
7 10	20 44.68	−23 51.8	1.293	2.275	8.8	20.3
7 20	20 35.03	−24 30.4	1.275	2.283	4.1	20.1
7 30	20 24.41	−25 2.6	1.280	2.291	3.2	20.1
8 9	20 14.31	−25 23.4	1.311	2.299	7.5	20.3
8 19	20 6.04	−25 30.9	1.366	2.307	12.0	20.6
8 29	20 0.58	−25 25.6	1.442	2.315	15.9	20.9

121690 1999 XP_{64} 7 27.3 222°.72 4°.1/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 50.07	− 4 41.9	2.812	3.592	11.8	20.8
6 30	20 45.64	− 4 19.8	2.715	3.585	9.7	20.7
7 10	20 39.75	− 4 8.3	2.640	3.577	7.4	20.5
7 20	20 32.77	− 4 7.7	2.591	3.569	5.2	20.4
7 30	20 25.24	− 4 17.6	2.569	3.560	4.1	20.3
8 9	20 17.79	− 4 36.4	2.575	3.552	5.1	20.3
8 19	20 11.04	− 5 1.9	2.608	3.543	7.3	20.5
8 29	20 5.55	− 5 31.6	2.667	3.533	9.7	20.6

302243 2001 WK_{100} 7 27.3 145°.27 3°.3/25.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.97	−24 12.8	1.564	2.417	16.3	21.2
6 30	20 53.77	−25 0.3	1.498	2.425	12.6	20.9
7 10	20 45.70	−25 52.5	1.453	2.431	8.4	20.7
7 20	20 35.48	−26 42.8	1.432	2.438	4.3	20.5
7 30	20 24.28	−27 24.3	1.437	2.444	3.9	20.5
8 9	20 13.51	−27 51.9	1.468	2.449	7.7	20.7
8 19	20 4.47	−28 3.9	1.523	2.454	11.8	21.0
8 29	19 58.11	−28 1.1	1.600	2.458	15.4	21.2

280299 2003 PY_{6} 7 27.3 317°.21 7°.4/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 46.20	+ 0 3.4	1.521	2.329	18.8	19.9
6 30	20 44.12	+ 0 10.3	1.419	2.301	16.1	19.6
7 10	20 39.58	− 0 8.3	1.334	2.274	12.8	19.4
7 20	20 32.98	− 0 55.6	1.270	2.247	9.5	19.1
7 30	20 25.12	− 2 11.6	1.228	2.220	7.5	18.9
8 9	20 17.12	− 3 51.8	1.210	2.194	8.6	18.9
8 19	20 10.19	− 5 48.1	1.216	2.169	12.0	19.0
8 29	20 5.45	− 7 50.5	1.244	2.145	16.0	19.2

215115 1998 EO 7 27.3 217°.43 3°.8/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.47	− 8 26.5	1.597	2.422	17.3	21.1
6 30	20 49.39	− 8 25.7	1.516	2.419	14.0	20.9
7 10	20 42.80	− 8 41.7	1.454	2.416	10.1	20.7
7 20	20 34.25	− 9 13.9	1.415	2.412	6.0	20.4
7 30	20 24.70	− 9 59.5	1.401	2.409	3.8	20.3
8 9	20 15.34	−10 53.7	1.412	2.404	6.5	20.5
8 19	20 7.30	−11 51.1	1.449	2.400	10.7	20.7
8 29	20 1.54	−12 46.5	1.508	2.396	14.6	20.9

359553 2010 SP_{31} 7 27.3 5°.11 4°.4/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.87	−30 37.7	2.018	2.868	13.3	20.4
6 30	20 50.09	−31 7.4	1.946	2.868	10.4	20.2
7 10	20 43.00	−31 34.8	1.897	2.869	7.3	20.0
7 20	20 34.24	−31 55.0	1.872	2.869	4.9	19.9
7 30	20 24.74	−32 3.5	1.874	2.870	4.9	19.9
8 9	20 15.61	−31 57.8	1.902	2.871	7.3	20.0
8 19	20 7.84	−31 37.7	1.955	2.872	10.4	20.2
8 29	20 2.21	−31 5.0	2.031	2.874	13.2	20.4

248102 2004 RA_{92} 7 27.3 316°.75 2°.1/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.31	−13 40.9	2.056	2.886	13.8	20.2
6 30	20 47.19	−13 21.7	1.966	2.877	10.9	19.9
7 10	20 41.06	−13 10.5	1.898	2.867	7.6	19.7
7 20	20 33.43	−13 6.7	1.855	2.858	4.0	19.5
7 30	20 25.03	−13 8.6	1.838	2.849	2.2	19.3
8 9	20 16.80	−13 14.3	1.848	2.840	5.2	19.5
8 19	20 9.60	−13 21.7	1.884	2.832	8.8	19.7
8 29	20 4.18	−13 28.8	1.944	2.824	12.2	19.9

101530 1998 XO_{97} 7 27.4 261°.92 2°.0/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.67	−21 16.5	1.740	2.591	15.0	20.3
6 30	20 50.43	−21 56.6	1.649	2.575	11.7	20.1
7 10	20 43.59	−22 44.5	1.580	2.560	7.7	19.8
7 20	20 34.66	−23 35.4	1.535	2.544	3.6	19.5
7 30	20 24.57	−24 23.5	1.516	2.527	2.7	19.4
8 9	20 14.54	−25 3.2	1.524	2.511	6.8	19.6
8 19	20 5.79	−25 31.1	1.557	2.494	11.1	19.8
8 29	19 59.36	−25 46.1	1.612	2.477	15.0	20.0

92854 2000 QL_{204} 7 27.4 165°.86 5°.5/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.39	−31 58.0	1.875	2.723	14.2	19.2
6 30	20 53.07	−32 48.4	1.806	2.725	11.2	19.1
7 10	20 45.12	−33 36.3	1.759	2.727	8.1	18.9
7 20	20 35.21	−34 15.0	1.737	2.729	5.8	18.7
7 30	20 24.42	−34 38.7	1.741	2.730	6.0	18.8
8 9	20 14.02	−34 43.9	1.771	2.731	8.5	18.9
8 19	20 5.18	−34 30.6	1.826	2.732	11.6	19.1
8 29	19 58.79	−34 1.1	1.903	2.733	14.5	19.3

12565 Khege 7 27.4 188°.03 2°.5/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 49.44	− 9 22.4	2.677	3.482	11.7	18.8
6 30	20 45.23	− 9 24.2	2.589	3.481	9.3	18.6
7 10	20 39.51	− 9 35.8	2.523	3.480	6.6	18.4
7 20	20 32.69	− 9 56.2	2.483	3.479	3.9	18.2
7 30	20 25.33	−10 23.8	2.471	3.478	2.5	18.1
8 9	20 18.11	−10 56.2	2.488	3.477	4.3	18.3
8 19	20 11.64	−11 30.7	2.532	3.475	7.1	18.4
8 29	20 6.51	−12 4.9	2.601	3.474	9.7	18.6

5815 Shinsengumi 7 27.4 343°.90 4°.6/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.22	−27 53.3	2.225	3.076	12.2	17.0
6 30	20 47.28	−29 30.9	2.151	3.074	9.5	16.8
7 10	20 41.23	−31 11.8	2.101	3.073	6.7	16.7
7 20	20 33.55	−32 49.1	2.077	3.072	4.7	16.5
7 30	20 25.00	−34 16.0	2.082	3.071	5.2	16.6
8 9	20 16.53	−35 27.1	2.114	3.070	7.6	16.7
8 19	20 9.09	−36 19.5	2.172	3.069	10.4	16.9
8 29	20 3.51	−36 52.8	2.252	3.068	13.0	17.1

523199 2016 UM_{149} 7 27.4 256°.85 2°.4/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 49.47	− 9 40.7	2.332	3.145	12.9	21.7
6 30	20 45.58	− 9 56.9	2.237	3.135	10.3	21.5
7 10	20 39.93	−10 25.1	2.164	3.125	7.3	21.3
7 20	20 32.93	−11 4.2	2.115	3.114	4.1	21.1
7 30	20 25.23	−11 51.5	2.094	3.104	2.4	20.9
8 9	20 17.60	−12 43.6	2.101	3.093	4.7	21.1
8 19	20 10.80	−13 36.7	2.135	3.082	8.0	21.3
8 29	20 5.51	−14 27.4	2.195	3.071	11.1	21.4

521687 2015 RD_{262} 7 27.4 131.°99 0.°7/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 51.82	−20 25.9	2.394	3.230	11.9	21.9
6 30	20 47.26	−20 39.4	2.314	3.233	9.1	21.7
7 10	20 40.93	−20 57.1	2.258	3.235	6.0	21.5
7 20	20 33.32	−21 16.3	2.228	3.237	2.6	21.3
7 30	20 25.12	−21 34.1	2.225	3.239	1.3	21.2
8 9	20 17.14	−21 48.0	2.251	3.241	4.7	21.4
8 19	20 10.13	−21 56.4	2.304	3.243	8.0	21.6
8 29	20 4.75	−21 58.6	2.382	3.244	10.8	21.8

177328 2003 YC_{61} 7 27.4 265.°62 1.°3/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.43	−14 7.8	1.679	2.517	16.1	21.1
6 30	20 50.30	−14 21.3	1.581	2.497	12.7	20.8
7 10	20 43.56	−14 47.5	1.503	2.476	8.7	20.5
7 20	20 34.69	−15 24.3	1.448	2.455	4.2	20.2
7 30	20 24.56	−16 7.8	1.420	2.433	1.6	20.0
8 9	20 14.39	−16 53.1	1.417	2.411	6.2	20.2
8 19	20 5.42	−17 35.6	1.440	2.389	10.9	20.5
8 29	19 58.72	−18 11.8	1.486	2.366	15.2	20.7

131024 2000 XD_{39} 7 27.4 220.°36 5.°1/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.09	−32 26.0	2.124	2.964	13.1	20.0
6 30	20 53.40	−33 6.7	2.043	2.957	10.4	19.8
7 10	20 45.26	−33 44.6	1.984	2.950	7.6	19.6
7 20	20 35.28	−34 14.0	1.951	2.942	5.4	19.4
7 30	20 24.40	−34 29.6	1.945	2.933	5.6	19.4
8 9	20 13.79	−34 28.3	1.965	2.924	7.9	19.6
8 19	20 4.55	−34 10.1	2.012	2.915	10.8	19.7
8 29	19 57.55	−33 37.0	2.081	2.905	13.6	19.9

472556 2015 DO_{45} 7 27.4 26.°84 2.°7/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.01	−22 17.1	1.496	2.360	16.4	20.6
6 30	20 49.28	−23 6.2	1.430	2.363	12.6	20.4
7 10	20 42.82	−24 2.4	1.384	2.366	8.3	20.2
7 20	20 34.29	−24 59.6	1.361	2.370	4.0	19.9
7 30	20 24.78	−25 50.9	1.364	2.374	3.4	19.9
8 9	20 15.63	−26 30.6	1.392	2.378	7.4	20.1
8 19	20 8.08	−26 55.6	1.444	2.383	11.7	20.4
8 29	20 3.08	−27 5.6	1.517	2.388	15.4	20.6

26112 1991 PG_{18} 7 27.4 344.°94 0.°5/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 48.04	−17 7.7	1.716	2.571	15.0	17.8
6 30	20 45.12	−17 8.2	1.632	2.559	11.7	17.5
7 10	20 39.94	−17 16.9	1.569	2.548	7.8	17.3
7 20	20 33.02	−17 31.8	1.529	2.538	3.5	17.0
7 30	20 25.23	−17 49.7	1.515	2.529	1.2	16.8
8 9	20 17.62	−18 7.2	1.526	2.521	5.7	17.1
8 19	20 11.22	−18 21.6	1.561	2.514	9.9	17.3
8 29	20 6.87	−18 30.7	1.619	2.508	13.7	17.5

479850 2014 GZ_{22} 7 27.4 346.°95 6.°4/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.19	−35 1.3	1.846	2.696	14.3	20.9
6 30	20 52.25	−35 40.3	1.776	2.694	11.5	20.7
7 10	20 44.62	−36 13.9	1.728	2.691	8.7	20.5
7 20	20 35.01	−36 35.6	1.703	2.689	6.6	20.4
7 30	20 24.54	−36 39.7	1.704	2.687	6.8	20.4
8 9	20 14.51	−36 23.7	1.730	2.685	9.1	20.5
8 19	20 6.10	−35 48.6	1.781	2.684	12.0	20.7
8 29	20 0.21	−34 57.5	1.852	2.683	14.8	20.9

466069 2011 WC_{106} 7 27.4 90.°62 3.°5/25.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.89	−23 52.5	1.351	2.216	17.8	21.1
6 30	20 53.25	−24 43.7	1.294	2.227	13.7	20.9
7 10	20 45.50	−25 40.4	1.257	2.238	9.1	20.7
7 20	20 35.45	−26 35.3	1.242	2.249	4.7	20.4
7 30	20 24.39	−27 20.4	1.252	2.260	4.2	20.4
8 9	20 13.91	−27 50.3	1.287	2.271	8.2	20.7
8 19	20 5.38	−28 3.0	1.345	2.281	12.6	21.0
8 29	19 59.80	−27 59.6	1.424	2.292	16.5	21.3

221904 2008 KN_{42} 7 27.4 44.°45 4.°2/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 48.49	− 5 3.5	2.069	2.873	14.6	19.9
6 30	20 44.85	− 5 4.5	1.998	2.884	11.9	19.7
7 10	20 39.42	− 5 20.9	1.947	2.895	8.9	19.6
7 20	20 32.69	− 5 52.3	1.920	2.907	5.9	19.4
7 30	20 25.39	− 6 36.4	1.918	2.918	4.2	19.3
8 9	20 18.33	− 7 29.6	1.944	2.930	5.6	19.4
8 19	20 12.26	− 8 27.4	1.996	2.943	8.5	19.6
8 29	20 7.85	− 9 25.6	2.072	2.955	11.4	19.8

224192 2005 RO_{9} 7 27.4 308.°89 4.°0/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.05	−10 19.6	1.486	2.326	17.7	20.4
6 30	20 48.56	− 9 54.5	1.401	2.314	14.3	20.2
7 10	20 42.42	− 9 43.4	1.336	2.302	10.3	19.9
7 20	20 34.18	− 9 46.5	1.292	2.291	6.1	19.6
7 30	20 24.82	−10 2.4	1.272	2.280	4.0	19.5
8 9	20 15.60	−10 27.9	1.277	2.270	6.9	19.6
8 19	20 7.75	−10 58.8	1.306	2.260	11.3	19.8
8 29	20 2.31	−11 30.7	1.356	2.250	15.5	20.1

4546 Franck 7 27.4 203.°76 3.°9/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 53.55	− 8 12.7	1.676	2.497	16.8	17.4
6 30	20 49.33	− 8 8.2	1.595	2.495	13.6	17.2
7 10	20 42.71	− 8 19.8	1.533	2.493	9.8	17.0
7 20	20 34.23	− 8 46.8	1.495	2.491	6.0	16.7
7 30	20 24.82	− 9 26.9	1.481	2.488	3.9	16.6
8 9	20 15.60	−10 15.7	1.494	2.485	6.4	16.7
8 19	20 7.65	−11 8.3	1.533	2.482	10.3	17.0
8 29	20 1.88	−11 59.9	1.594	2.479	14.1	17.2

308589 2005 UC_{522} 7 27.4 136.°64 2.°3/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 49.38	− 9 37.0	2.340	3.153	12.9	20.8
6 30	20 45.42	− 9 55.7	2.258	3.156	10.2	20.6
7 10	20 39.76	−10 26.2	2.197	3.158	7.2	20.4
7 20	20 32.85	−11 7.1	2.162	3.161	4.0	20.2
7 30	20 25.34	−11 55.6	2.154	3.163	2.3	20.1
8 9	20 17.99	−12 48.1	2.174	3.166	4.6	20.3
8 19	20 11.51	−13 41.0	2.221	3.168	7.7	20.5
8 29	20 6.54	−14 30.9	2.294	3.170	10.7	20.7

371862 2008 BX_{24} 7 27.4 99.°44 0.°7/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.08	−17 12.5	1.591	2.437	16.4	21.4
6 30	20 51.27	−17 59.6	1.531	2.454	12.6	21.2
7 10	20 43.92	−18 57.3	1.493	2.471	8.3	21.0
7 20	20 34.71	−20 0.6	1.478	2.488	3.5	20.8
7 30	20 24.70	−21 3.0	1.490	2.504	1.6	20.7
8 9	20 15.14	−21 58.7	1.529	2.520	6.2	21.0
8 19	20 7.14	−22 43.6	1.593	2.535	10.5	21.3
8 29	20 1.55	−23 16.1	1.679	2.550	14.2	21.6

310699 2002 JU_{4} 7 27.4 154.°19 3.°4/30.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.70	− 4 24.1	1.974	2.764	15.7	20.6
6 30	20 50.57	− 5 15.9	1.894	2.774	12.7	20.5
7 10	20 43.31	− 6 27.7	1.834	2.784	9.2	20.3
7 20	20 34.44	− 7 57.3	1.799	2.792	5.6	20.1
7 30	20 24.77	− 9 39.8	1.793	2.799	3.4	19.9
8 9	20 15.29	−11 28.3	1.816	2.806	5.5	20.1
8 19	20 6.92	−13 15.7	1.867	2.812	9.1	20.3
8 29	20 0.48	−14 56.0	1.944	2.817	12.5	20.5

472345 2015 AA_{263} 7 27.4 284.°23 0.°1/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.76	−16 15.3	1.495	2.349	16.9	21.0
6 30	20 49.32	−16 45.3	1.405	2.331	13.3	20.7
7 10	20 43.08	−17 28.9	1.335	2.314	8.9	20.5
7 20	20 34.55	−18 22.4	1.287	2.297	3.9	20.1
7 30	20 24.70	−19 20.4	1.265	2.279	1.4	19.9
8 9	20 14.87	−20 16.2	1.268	2.262	6.8	20.2
8 19	20 6.40	−21 4.5	1.295	2.244	11.8	20.4
8 29	20 0.46	−21 41.8	1.343	2.227	16.2	20.7

434654 2005 YM_{65} 7 27.4 154.°37 1.°3/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.09	−20 0.7	1.852	2.698	14.5	21.9
6 30	20 49.59	−20 38.2	1.777	2.701	11.1	21.7
7 10	20 42.78	−21 22.9	1.724	2.703	7.3	21.5
7 20	20 34.24	−22 10.5	1.697	2.706	3.2	21.2
7 30	20 24.87	−22 55.8	1.696	2.708	2.0	21.1
8 9	20 15.76	−23 34.4	1.722	2.710	6.0	21.4
8 19	20 7.92	−24 3.2	1.773	2.712	9.9	21.7
8 29	20 2.21	−24 21.1	1.848	2.714	13.3	21.9

518187 2016 NH_{72} 7 27.4 29.°92 2.°5/26.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.47	−25 17.8	1.371	2.237	17.5	20.4
6 30	20 52.77	−25 14.1	1.312	2.245	13.5	20.1
7 10	20 45.07	−25 11.2	1.273	2.254	9.0	19.9
7 20	20 35.23	−25 4.5	1.256	2.264	4.3	19.7
7 30	20 24.56	−24 50.1	1.264	2.275	3.1	19.6
8 9	20 14.56	−24 25.9	1.296	2.286	7.4	19.9
8 19	20 6.52	−23 52.4	1.353	2.297	11.8	20.2
8 29	20 1.33	−23 11.5	1.430	2.310	15.7	20.5

346123 2007 VP_{156} 7 27.4 198.°54 0.°9/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.36	−20 13.6	2.560	3.390	11.4	22.5
6 30	20 48.42	−20 41.4	2.472	3.387	8.8	22.3
7 10	20 41.73	−21 14.1	2.407	3.383	5.8	22.1
7 20	20 33.72	−21 48.5	2.369	3.378	2.5	21.9
7 30	20 25.07	−22 21.4	2.360	3.373	1.5	21.8
8 9	20 16.55	−22 49.8	2.380	3.367	4.7	22.0
8 19	20 8.92	−23 11.5	2.428	3.361	7.8	22.2
8 29	20 2.83	−23 25.7	2.500	3.354	10.7	22.4

434644 2005 XZ_{17} 7 27.4 156.°54 3.°3/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.75	−23 55.9	1.974	2.821	13.7	21.5
6 30	20 50.09	−25 10.7	1.902	2.826	10.5	21.3
7 10	20 43.12	−26 30.9	1.853	2.830	7.0	21.1
7 20	20 34.41	−27 50.3	1.830	2.834	3.9	20.9
7 30	20 24.82	−29 2.1	1.834	2.838	3.9	20.9
8 9	20 15.44	−30 0.9	1.866	2.841	7.0	21.1
8 19	20 7.29	−30 43.6	1.924	2.844	10.4	21.4
8 29	20 1.23	−31 9.9	2.005	2.846	13.4	21.6

387298 2012 VC_4 7 27.4 358°.02 1°.0/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 49.66	−16 54.9	1.552	2.411	16.2	20.1
6 30	20 46.63	−17 54.6	1.479	2.409	12.5	19.9
7 10	20 41.09	−19 7.8	1.426	2.408	8.2	19.7
7 20	20 33.60	−20 29.2	1.397	2.407	3.5	19.4
7 30	20 25.11	−21 51.7	1.393	2.407	1.9	19.3
8 9	20 16.84	−23 7.7	1.416	2.407	6.6	19.6
8 19	20 9.92	−24 11.7	1.462	2.408	11.0	19.8
8 29	20 5.33	−25 0.6	1.531	2.409	14.9	20.1

98821 2000 YV_{131} 7 27.4 71°.64 0°.7/26.9 18

6 20	20 51.61	−15 43.8	1.765	2.609	15.2	19.0
6 30	20 47.75	−16 55.9	1.695	2.617	11.7	18.7
7 10	20 41.62	−18 21.2	1.647	2.626	7.6	18.5
7 20	20 33.76	−19 54.2	1.625	2.634	3.2	18.3
7 30	20 25.06	−21 27.7	1.630	2.643	1.6	18.2
8 9	20 16.61	−22 54.7	1.662	2.652	5.9	18.5
8 19	20 9.40	−24 9.7	1.720	2.661	10.0	18.7
8 29	20 4.28	−25 9.9	1.801	2.669	13.5	19.0

261409 2005 UZ_{477} 7 27.4 185°.39 0°.2/27.2 18

6 20	20 51.30	−18 21.1	2.723	3.550	10.9	21.7
6 30	20 46.69	−18 39.2	2.638	3.550	8.4	21.5
7 10	20 40.50	−19 2.4	2.576	3.550	5.5	21.4
7 20	20 33.17	−19 28.3	2.540	3.549	2.4	21.1
7 30	20 25.30	−19 54.5	2.534	3.548	0.9	21.0
8 9	20 17.57	−20 18.3	2.556	3.546	4.1	21.3
8 19	20 10.66	−20 37.8	2.606	3.544	7.2	21.5
8 29	20 5.14	−20 51.9	2.682	3.542	9.8	21.6

108627 2001 MU_{28} 7 27.4 314°.43 2°.8/28.9 18

6 20	20 48.37	−10 3.7	1.376	2.227	18.3	19.1
6 30	20 46.07	−10 21.5	1.286	2.207	14.7	18.8
7 10	20 41.02	−10 59.4	1.214	2.187	10.4	18.5
7 20	20 33.70	−11 56.5	1.164	2.168	5.7	18.2
7 30	20 25.05	−13 8.6	1.137	2.149	2.9	17.9
8 9	20 16.37	−14 28.7	1.134	2.131	6.8	18.1
8 19	20 9.02	−15 49.0	1.155	2.113	11.9	18.4
8 29	20 4.18	−17 2.7	1.196	2.097	16.6	18.6

287100 2002 RN_{135} 7 27.4 4°.32 0°.1/27.4 17

6 20	20 46.24	−14 59.5	1.060	1.944	20.1	19.5
6 30	20 44.86	−15 45.6	1.000	1.943	15.7	19.2
7 10	20 40.36	−16 51.0	0.957	1.943	10.4	18.9
7 20	20 33.39	−18 10.5	0.934	1.944	4.5	18.6
7 30	20 25.20	−19 35.2	0.933	1.947	1.6	18.4
8 9	20 17.41	−20 55.1	0.954	1.952	7.6	18.8
8 19	20 11.46	−22 2.3	0.997	1.957	13.1	19.1
8 29	20 8.50	−22 52.3	1.059	1.964	17.8	19.4

455311 2002 GO_4 7 27.4 62°.87 0°.4/27.2 16

6 20	21 3.97	−18 10.5	1.244	2.096	19.8	21.7
6 30	20 57.33	−18 32.8	1.214	2.139	15.1	21.5
7 10	20 47.72	−19 4.1	1.203	2.182	9.7	21.3
7 20	20 36.22	−19 38.9	1.215	2.225	4.1	21.1
7 30	20 24.31	−20 11.1	1.253	2.267	1.6	21.1
8 9	20 13.53	−20 36.2	1.316	2.308	6.8	21.5
8 19	20 5.04	−20 52.3	1.403	2.349	11.4	21.9
8 29	19 59.56	−20 59.1	1.512	2.389	15.1	22.2

222751 2002 CW_{16} 7 27.4 261°.44 0°.7/27.3 17

6 20	21 9.83	−24 41.6	1.179	2.035	20.4	20.3
6 30	21 3.10	−23 42.1	1.103	2.029	16.1	20.0
7 10	20 52.39	−22 38.0	1.045	2.024	10.8	19.7
7 20	20 38.59	−21 26.2	1.009	2.018	4.8	19.4
7 30	20 23.40	−20 5.7	0.998	2.013	1.9	19.1
8 9	20 8.92	−18 38.6	1.014	2.007	8.1	19.5
8 19	19 56.98	−17 9.8	1.053	2.001	14.0	19.8
8 29	19 48.85	−15 43.9	1.113	1.995	18.9	20.1

449527 2014 HK_{26} 7 27.4 18°.93 2°.1/25.8 18

6 20	20 48.90	−19 5.7	1.793	2.649	14.5	20.1
6 30	20 45.72	−20 29.5	1.724	2.654	11.1	19.9
7 10	20 40.32	−22 4.0	1.678	2.659	7.2	19.7
7 20	20 33.23	−23 42.8	1.656	2.665	3.3	19.4
7 30	20 25.30	−25 18.5	1.662	2.672	2.8	19.4
8 9	20 17.58	−26 44.0	1.695	2.679	6.5	19.7
8 19	20 11.05	−27 54.6	1.753	2.687	10.3	19.9
8 29	20 6.55	−28 47.9	1.834	2.695	13.6	20.2

40821 1999 TD_{90} 7 27.4 300°.93 3°.2/25.8 18

6 20	20 54.36	−25 23.3	1.698	2.556	15.0	19.3
6 30	20 50.23	−25 55.0	1.616	2.545	11.7	19.1
7 10	20 43.47	−26 29.8	1.555	2.534	7.9	18.8
7 20	20 34.65	−27 2.4	1.518	2.524	4.2	18.6
7 30	20 24.79	−27 27.3	1.506	2.513	3.8	18.5
8 9	20 15.15	−27 40.2	1.521	2.503	7.3	18.7
8 19	20 6.93	−27 39.5	1.559	2.493	11.4	18.9
8 29	20 1.12	−27 25.5	1.620	2.483	15.0	19.2

220149 2002 TQ_{170} 7 27.4 282°.25 4°.2/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 49.82	− 5 47.2	2.609	3.399	12.3	19.9
6 30	20 45.60	− 5 16.1	2.517	3.393	10.1	19.7
7 10	20 39.83	− 4 55.4	2.447	3.388	7.7	19.5
7 20	20 32.92	− 4 45.4	2.402	3.383	5.3	19.4
7 30	20 25.44	− 4 46.0	2.384	3.378	4.2	19.3
8 9	20 18.08	− 4 55.7	2.393	3.372	5.3	19.4
8 19	20 11.49	− 5 12.7	2.430	3.367	7.7	19.5
8 29	20 6.24	− 5 34.2	2.492	3.362	10.2	19.7

314286 2005 SS_{62} 7 27.4 281°.69 1°.6/26.4 18

6 20	20 51.82	−22 9.6	2.190	3.035	12.6	21.2
6 30	20 47.65	−22 37.3	2.099	3.022	9.7	20.9
7 10	20 41.45	−23 9.6	2.031	3.010	6.4	20.7
7 20	20 33.70	−23 42.9	1.989	2.997	3.0	20.5
7 30	20 25.15	−24 13.3	1.973	2.984	2.2	20.4
8 9	20 16.72	−24 37.1	1.985	2.972	5.5	20.6
8 19	20 9.29	−24 52.4	2.024	2.959	9.1	20.8
8 29	20 3.64	−24 58.2	2.086	2.946	12.2	21.0

387549 2001 BT_{18} 7 27.4 281°.86 0°.2/27.3 18

6 20	20 58.00	−20 48.3	1.810	2.651	14.9	20.6
6 30	20 52.83	−20 28.9	1.714	2.634	11.7	20.4
7 10	20 45.10	−20 12.4	1.639	2.616	7.8	20.1
7 20	20 35.35	−19 56.2	1.589	2.598	3.4	19.8
7 30	20 24.55	−19 38.0	1.566	2.580	1.3	19.6
8 9	20 13.91	−19 16.1	1.570	2.562	6.0	19.9
8 19	20 4.58	−18 49.9	1.600	2.544	10.4	20.1
8 29	19 57.54	−18 19.7	1.653	2.526	14.3	20.3

360122 2013 CH_{27} 7 27.4 48°.35 4°.3/30.3 18

6 20	20 49.27	− 5 24.2	2.074	2.878	14.6	21.0
6 30	20 45.51	− 5 19.1	1.998	2.884	11.9	20.8
7 10	20 39.92	− 5 28.9	1.942	2.891	8.9	20.6
7 20	20 32.98	− 5 53.4	1.911	2.898	5.9	20.5
7 30	20 25.43	− 6 30.6	1.905	2.905	4.3	20.4
8 9	20 18.10	− 7 17.4	1.926	2.912	5.7	20.5
8 19	20 11.75	− 8 9.4	1.973	2.919	8.6	20.7
8 29	20 7.08	− 9 2.6	2.044	2.927	11.5	20.9

123777 2001 BH_7 7 27.4 212°.32 1°.0/26.8 18

6 20	20 55.08	−22 41.1	2.647	3.476	11.1	20.4
6 30	20 49.64	−22 39.2	2.558	3.472	8.6	20.2
7 10	20 42.48	−22 38.8	2.492	3.467	5.6	20.0
7 20	20 34.06	−22 37.6	2.454	3.462	2.5	19.8
7 30	20 25.06	−22 33.4	2.444	3.457	1.5	19.7
8 9	20 16.27	−22 24.7	2.464	3.451	4.5	19.9
8 19	20 8.42	−22 10.7	2.511	3.445	7.6	20.1
8 29	20 2.12	−21 51.6	2.584	3.439	10.4	20.3

360720 2004 TG_{134} 7 27.4 316°.59 9°.2/ 1.3 18

6 20	20 48.18	+ 4 38.0	2.041	2.798	16.3	20.6
6 30	20 44.95	+ 5 39.6	1.942	2.777	14.3	20.4
7 10	20 39.77	+ 6 23.6	1.861	2.756	12.2	20.2
7 20	20 33.02	+ 6 46.3	1.800	2.735	10.3	20.0
7 30	20 25.40	+ 6 45.5	1.763	2.715	9.2	19.9
8 9	20 17.76	+ 6 21.5	1.750	2.696	9.7	19.9
8 19	20 10.97	+ 5 37.2	1.761	2.676	11.4	20.0
8 29	20 5.85	+ 4 37.7	1.793	2.658	13.7	20.1

432244 2009 QK_7 7 27.4 288°.65 4°.1/29.1 18

6 20	20 53.34	−10 6.4	1.574	2.407	17.2	21.2
6 30	20 49.57	− 9 38.4	1.479	2.387	14.0	20.9
7 10	20 43.16	− 9 23.3	1.404	2.368	10.1	20.7
7 20	20 34.60	− 9 21.8	1.350	2.348	6.1	20.4
7 30	20 24.82	− 9 32.9	1.322	2.329	4.1	20.2
8 9	20 15.05	− 9 53.8	1.318	2.310	7.0	20.3
8 19	20 6.53	−10 20.9	1.339	2.290	11.3	20.5
8 29	20 0.34	−10 50.3	1.382	2.271	15.5	20.7

443101 2013 JM_{31} 7 27.4 117°.53 4°.9/23.3 18

6 20	20 53.07	−31 52.4	2.438	3.282	11.5	20.7
6 30	20 48.49	−33 5.9	2.372	3.288	9.1	20.6
7 10	20 41.93	−34 18.0	2.330	3.294	6.7	20.4
7 20	20 33.88	−35 23.2	2.314	3.301	5.1	20.3
7 30	20 25.13	−36 16.0	2.326	3.307	5.4	20.4
8 9	20 16.59	−36 53.2	2.365	3.313	7.4	20.5
8 19	20 9.12	−37 13.4	2.430	3.319	9.8	20.7
8 29	20 3.44	−37 17.5	2.517	3.325	12.0	20.8

414040 2007 RA_{105} 7 27.4 274°.15 3°.5/29.3 17

6 20	20 52.27	− 8 45.7	1.425	2.262	18.5	21.6
6 30	20 48.94	− 8 56.4	1.339	2.251	14.9	21.3
7 10	20 42.84	− 9 27.0	1.273	2.240	10.7	21.0
7 20	20 34.50	−10 16.6	1.228	2.228	6.1	20.8
7 30	20 24.90	−11 21.4	1.207	2.217	3.6	20.6
8 9	20 15.37	−12 35.1	1.211	2.205	6.9	20.7
8 19	20 7.22	−13 50.6	1.239	2.194	11.6	21.0
8 29	20 1.59	−15 1.2	1.288	2.182	16.1	21.2

443079 2013 GH_{37} 7 27.4 170°.21 4°.6/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 53.06	−31 19.0	2.434	3.278	11.5	21.0
6 30	20 48.47	−32 17.0	2.362	3.279	9.0	20.9
7 10	20 41.91	−33 13.8	2.313	3.280	6.5	20.7
7 20	20 33.89	−34 4.2	2.290	3.280	4.8	20.6
7 30	20 25.16	−34 43.5	2.295	3.281	5.0	20.6
8 9	20 16.64	−35 8.5	2.326	3.281	7.1	20.7
8 19	20 9.19	−35 18.1	2.384	3.282	9.6	20.9
8 29	20 3.51	−35 13.2	2.464	3.282	12.0	21.1

256585 2007 TN_{383} 7 27.4 67°.78 5°.0/29.7 17

6 20	20 53.89	− 7 31.7	1.389	2.221	19.1	20.3
6 30	20 49.96	− 7 9.7	1.321	2.226	15.5	20.1
7 10	20 43.31	− 7 5.9	1.271	2.231	11.3	19.9
7 20	20 34.60	− 7 20.6	1.242	2.236	7.2	19.6
7 30	20 24.91	− 7 51.9	1.237	2.241	5.0	19.5
8 9	20 15.57	− 8 35.0	1.256	2.247	7.4	19.7
8 19	20 7.79	− 9 24.5	1.299	2.252	11.4	19.9
8 29	20 2.55	−10 14.7	1.363	2.257	15.4	20.2

384496 2010 CE_{82} 7 27.4 39°.84 4°.4/25.6 16

6 20	20 56.72	−28 10.4	1.418	2.285	16.9	20.1
6 30	20 52.03	−28 41.5	1.375	2.307	13.1	19.9
7 10	20 44.49	−29 11.6	1.352	2.331	8.9	19.7
7 20	20 34.98	−29 34.3	1.351	2.354	5.2	19.5
7 30	20 24.84	−29 44.1	1.376	2.379	4.9	19.6
8 9	20 15.48	−29 38.4	1.425	2.404	8.1	19.8
8 19	20 8.08	−29 17.7	1.497	2.429	11.9	20.1
8 29	20 3.43	−28 44.7	1.591	2.455	15.2	20.4

272818 2006 AK_{63} 7 27.4 25°.03 0°.1/27.4 16

6 20	20 57.45	−21 13.5	1.337	2.199	18.0	20.0
6 30	20 52.74	−20 39.3	1.276	2.207	14.0	19.7
7 10	20 45.08	−20 8.4	1.235	2.216	9.2	19.5
7 20	20 35.31	−19 38.7	1.216	2.226	4.0	19.2
7 30	20 24.71	−19 8.2	1.222	2.237	1.4	19.1
8 9	20 14.78	−18 35.7	1.253	2.248	6.7	19.5
8 19	20 6.76	−18 1.2	1.308	2.260	11.4	19.8
8 29	20 1.56	−17 25.4	1.384	2.273	15.5	20.0

254149 2004 PB_{77} 7 27.4 5°.61 4°.5/30.6 18

6 20	20 46.77	− 4 39.3	1.761	2.578	16.3	19.5
6 30	20 43.99	− 4 53.7	1.684	2.578	13.3	19.3
7 10	20 39.15	− 5 27.5	1.626	2.579	9.9	19.1
7 20	20 32.75	− 6 20.2	1.591	2.581	6.5	18.9
7 30	20 25.59	− 7 28.6	1.581	2.583	4.5	18.7
8 9	20 18.61	− 8 47.5	1.596	2.587	6.1	18.9
8 19	20 12.74	−10 10.4	1.637	2.591	9.5	19.1
8 29	20 8.74	−11 31.4	1.702	2.595	12.9	19.3

92976 2000 RP_{65} 7 27.4 226°.85 5°.2/30.9 18

6 20	20 51.57	− 2 19.6	2.116	2.900	15.0	19.6
6 30	20 47.41	− 2 18.2	2.021	2.892	12.5	19.4
7 10	20 41.30	− 2 34.0	1.947	2.883	9.6	19.2
7 20	20 33.68	− 3 7.5	1.895	2.873	6.8	19.0
7 30	20 25.25	− 3 57.4	1.870	2.863	5.2	18.9
8 9	20 16.88	− 5 0.2	1.872	2.853	6.4	18.9
8 19	20 9.42	− 6 11.1	1.901	2.843	9.2	19.1
8 29	20 3.65	− 7 24.8	1.954	2.832	12.2	19.2

521728 2015 RS_{269} 7 27.4 21°.26 2°.0/28.6 18

6 20	20 50.24	−12 27.3	2.202	3.027	13.2	21.2
6 30	20 46.20	−12 23.3	2.122	3.028	10.4	21.0
7 10	20 40.37	−12 28.6	2.063	3.030	7.2	20.8
7 20	20 33.21	−12 42.1	2.030	3.032	3.9	20.6
7 30	20 25.44	−13 1.7	2.023	3.034	2.1	20.5
8 9	20 17.87	−13 24.7	2.044	3.037	4.7	20.7
8 19	20 11.27	−13 48.5	2.091	3.039	8.1	20.9
8 29	20 6.30	−14 10.7	2.163	3.042	11.1	21.1

94009 2000 XZ_{26} 7 27.4 179°.45 2°.9/25.5 18

6 20	20 54.65	−28 3.4	2.663	3.499	10.9	19.7
6 30	20 49.38	−28 27.3	2.584	3.500	8.4	19.6
7 10	20 42.35	−28 50.6	2.528	3.500	5.7	19.4
7 20	20 34.04	−29 9.8	2.500	3.501	3.4	19.2
7 30	20 25.17	−29 21.7	2.499	3.501	3.2	19.2
8 9	20 16.53	−29 24.2	2.527	3.500	5.5	19.4
8 19	20 8.87	−29 16.7	2.582	3.500	8.2	19.6
8 29	20 2.83	−28 59.7	2.662	3.499	10.6	19.7

353719 2011 WM 7 27.4 325°.99 0°.2/27.3 18

6 20	20 51.25	−18 25.9	1.797	2.647	14.7	20.9
6 30	20 47.56	−18 38.5	1.713	2.638	11.4	20.7
7 10	20 41.58	−18 58.7	1.651	2.630	7.6	20.4
7 20	20 33.84	−19 23.7	1.613	2.622	3.3	20.2
7 30	20 25.22	−19 49.5	1.600	2.614	1.2	20.0
8 9	20 16.78	−20 12.5	1.614	2.607	5.7	20.3
8 19	20 9.55	−20 29.8	1.653	2.600	9.9	20.5
8 29	20 4.39	−20 39.9	1.715	2.594	13.5	20.7

178041 2006 RC_{75} 7 27.4 59°.69 4°.0/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 52.61	− 8 6.1	1.412	2.248	18.7	20.5
6 30	20 48.91	− 8 6.6	1.347	2.256	15.0	20.2
7 10	20 42.59	− 8 26.2	1.300	2.264	10.8	20.0
7 20	20 34.29	− 9 3.6	1.274	2.272	6.4	19.8
7 30	20 25.07	− 9 55.5	1.272	2.281	4.0	19.7
8 9	20 16.23	−10 55.9	1.296	2.289	6.7	19.9
8 19	20 8.91	−11 58.5	1.343	2.298	11.0	20.1
8 29	20 4.04	−12 57.7	1.413	2.307	14.9	20.4

256382 2006 YR_{26} 7 27.4 34°.12 2°.1/26.1 18

6 20	20 50.84	−22 1.4	1.888	2.742	13.9	20.5
6 30	20 47.05	−22 46.8	1.822	2.750	10.6	20.3
7 10	20 41.11	−23 37.7	1.778	2.759	7.0	20.1
7 20	20 33.58	−24 29.3	1.759	2.767	3.3	19.9
7 30	20 25.34	−25 16.4	1.767	2.777	2.7	19.8
8 9	20 17.41	−25 54.7	1.801	2.786	6.1	20.1
8 19	20 10.71	−26 21.6	1.860	2.796	9.7	20.3
8 29	20 6.00	−26 36.4	1.942	2.806	12.9	20.5

6607 Matsushima 7 27.4 275°.53 0°.4/27.2 18 R

6 20	20 52.22	−17 25.8	1.819	2.664	14.7	16.9
6 30	20 48.37	−17 58.3	1.730	2.652	11.5	16.6
7 10	20 42.18	−18 40.9	1.663	2.641	7.6	16.4
7 20	20 34.15	−19 30.0	1.619	2.629	3.3	16.1
7 30	20 25.12	−20 20.9	1.603	2.617	1.3	15.9
8 9	20 16.20	−21 8.4	1.613	2.605	5.8	16.2
8 19	20 8.42	−21 48.5	1.649	2.593	10.1	16.4
8 29	20 2.73	−22 18.9	1.707	2.581	13.8	16.6

64314 2001 UL_{34} 7 27.4 307°.73 5°.7/24.1 18

6 20	20 52.38	−27 17.4	1.432	2.304	16.5	18.7
6 30	20 49.55	−28 32.3	1.344	2.280	13.0	18.4
7 10	20 43.60	−29 54.0	1.276	2.256	9.2	18.1
7 20	20 34.99	−31 14.4	1.231	2.232	6.1	17.9
7 30	20 24.79	−32 23.5	1.210	2.208	6.5	17.8
8 9	20 14.54	−33 12.9	1.213	2.185	10.1	18.0
8 19	20 5.83	−33 38.5	1.238	2.162	14.4	18.2
8 29	20 0.01	−33 40.5	1.282	2.140	18.5	18.3

448722 2011 BZ_{26} 7 27.4 286°.54 1°.1/28.3 17

6 20	20 49.45	−12 27.3	2.460	3.280	12.1	21.4
6 30	20 45.69	−13 1.0	2.347	3.252	9.6	21.1
7 10	20 40.17	−13 46.1	2.257	3.225	6.6	20.9
7 20	20 33.22	−14 40.8	2.192	3.197	3.2	20.7
7 30	20 25.46	−15 42.0	2.156	3.170	1.3	20.5
8 9	20 17.61	−16 45.5	2.148	3.142	4.5	20.6
8 19	20 10.47	−17 47.3	2.168	3.113	8.0	20.8
8 29	20 4.75	−18 44.1	2.214	3.085	11.2	21.0

101556 1999 AW_{5} 7 27.4 189°.82 3°.1/25.4 18

6 20	20 56.03	−24 31.6	1.954	2.800	13.8	20.3
6 30	20 51.16	−25 27.7	1.876	2.799	10.7	20.1
7 10	20 43.92	−26 28.2	1.821	2.798	7.2	19.9
7 20	20 34.87	−27 27.5	1.792	2.797	3.9	19.7
7 30	20 24.90	−28 19.5	1.790	2.795	3.7	19.6
8 9	20 15.13	−28 59.4	1.815	2.792	6.9	19.8
8 19	20 6.63	−29 24.8	1.865	2.789	10.4	20.0
8 29	20 0.27	−29 35.6	1.939	2.785	13.6	20.2

137230 1999 RG_{22} 7 27.4 254°.02 10°.8/21.5 18

6 20	21 12.88	−46 47.7	1.959	2.766	15.3	19.9
6 30	21 5.34	−47 56.9	1.874	2.743	13.3	19.7
7 10	20 53.94	−48 54.3	1.809	2.720	11.7	19.6
7 20	20 39.42	−49 29.2	1.766	2.695	10.9	19.5
7 30	20 23.28	−49 32.3	1.749	2.670	11.3	19.4
8 9	20 7.54	−49 0.0	1.755	2.643	13.0	19.5
8 19	19 54.06	−47 54.6	1.784	2.616	15.3	19.6
8 29	19 44.19	−46 23.1	1.833	2.589	17.7	19.7

372823 2010 UZ_{32} 7 27.4 215°.05 3°.3/25.9 17

6 20	20 58.80	−25 36.5	1.694	2.544	15.4	22.0
6 30	20 53.65	−26 8.5	1.615	2.540	12.0	21.8
7 10	20 45.74	−26 43.1	1.558	2.535	8.1	21.5
7 20	20 35.70	−27 14.8	1.525	2.530	4.3	21.3
7 30	20 24.61	−27 37.6	1.518	2.524	3.8	21.3
8 9	20 13.82	−27 47.6	1.537	2.518	7.4	21.5
8 19	20 4.57	−27 43.5	1.581	2.512	11.5	21.7
8 29	19 57.87	−27 26.3	1.648	2.505	15.1	21.9

383965 2008 TE_{47} 7 27.4 15°.12 3°.3/25.4 17

6 20	20 53.63	−24 25.8	1.760	2.616	14.7	20.6
6 30	20 49.52	−25 21.4	1.688	2.616	11.3	20.4
7 10	20 42.93	−26 21.8	1.637	2.616	7.6	20.2
7 20	20 34.46	−27 21.1	1.611	2.617	4.1	20.0
7 30	20 25.05	−28 12.8	1.612	2.617	3.9	20.0
8 9	20 15.91	−28 51.8	1.638	2.617	7.3	20.2
8 19	20 8.14	−29 15.6	1.689	2.618	11.0	20.4
8 29	20 2.65	−29 24.1	1.763	2.618	14.3	20.6

277455 2005 UK_{512} 7 27.4 132°.36 2°.0/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 55.27	−12 11.6	2.090	2.906	14.1	22.0
6 30	20 50.08	−12 16.3	2.018	2.920	11.1	21.8
7 10	20 42.92	−12 31.2	1.967	2.933	7.6	21.7
7 20	20 34.34	−12 54.6	1.942	2.945	4.0	21.5
7 30	20 25.14	−13 23.9	1.945	2.956	2.0	21.3
8 9	20 16.23	−13 55.7	1.975	2.968	4.9	21.6
8 19	20 8.47	−14 27.1	2.033	2.978	8.5	21.8
8 29	20 2.53	−14 55.5	2.116	2.988	11.6	22.0

126953 2002 FM_9 7 27.4 191°.10 1°.1/28.0 18

6 20	20 55.09	−15 9.1	2.166	2.990	13.4	20.8
6 30	20 50.03	−15 11.7	2.081	2.989	10.5	20.6
7 10	20 42.97	−15 22.1	2.017	2.987	7.1	20.4
7 20	20 34.40	−15 38.4	1.979	2.985	3.4	20.2
7 30	20 25.11	−15 58.2	1.969	2.983	1.3	20.0
8 9	20 16.01	−16 18.6	1.987	2.979	4.9	20.3
8 19	20 7.96	−16 37.1	2.032	2.976	8.5	20.5
8 29	20 1.70	−16 52.0	2.102	2.972	11.8	20.7

445015 2008 HK_{51} 7 27.4 1°.09 4°.1/29.7 18

6 20	20 48.20	− 8 7.3	1.815	2.641	15.6	20.5
6 30	20 45.04	− 7 49.8	1.737	2.640	12.6	20.3
7 10	20 39.83	− 7 46.3	1.680	2.639	9.2	20.0
7 20	20 33.08	− 7 56.8	1.645	2.639	5.8	19.9
7 30	20 25.60	− 8 19.7	1.635	2.640	4.1	19.7
8 9	20 18.32	− 8 51.9	1.651	2.641	6.0	19.9
8 19	20 12.15	− 9 29.6	1.692	2.644	9.4	20.1
8 29	20 7.84	−10 8.6	1.756	2.647	12.7	20.3

115042 2003 QT_{112} 7 27.4 278°.39 9°.1/30.9 18

6 20	20 55.21	+ 1 34.3	1.928	2.692	16.9	19.0
6 30	20 50.40	+ 3 5.3	1.841	2.685	14.6	18.8
7 10	20 43.38	+ 4 21.4	1.773	2.678	12.2	18.6
7 20	20 34.67	+ 5 18.4	1.728	2.671	10.1	18.5
7 30	20 25.05	+ 5 53.3	1.707	2.664	9.1	18.4
8 9	20 15.52	+ 6 5.5	1.711	2.657	9.8	18.4
8 19	20 7.06	+ 5 57.0	1.739	2.649	11.8	18.5
8 29	20 0.53	+ 5 32.3	1.790	2.642	14.3	18.7

29608 1998 RP_{50} 7 27.4 298°.26 2°.1/26.6 18

6 20	20 54.70	−21 23.5	1.232	2.104	18.6	19.7
6 30	20 51.50	−21 49.5	1.151	2.089	14.6	19.4
7 10	20 44.94	−22 24.6	1.089	2.073	9.7	19.1
7 20	20 35.59	−23 3.5	1.048	2.058	4.4	18.8
7 30	20 24.69	−23 39.1	1.030	2.043	3.0	18.6
8 9	20 13.91	−24 4.8	1.036	2.028	8.3	18.9
8 19	20 4.94	−24 16.9	1.063	2.013	13.7	19.1
8 29	19 59.11	−24 14.8	1.111	1.999	18.5	19.4

404735 2014 JJ_{23} 7 27.4 358°.07 2°.2/25.8 18

6 20	20 50.06	−21 51.4	1.997	2.850	13.3	20.2
6 30	20 46.48	−22 47.5	1.921	2.849	10.2	19.9
7 10	20 40.79	−23 50.0	1.868	2.848	6.7	19.7
7 20	20 33.52	−24 54.1	1.840	2.847	3.3	19.5
7 30	20 25.46	−25 54.3	1.838	2.847	2.8	19.5
8 9	20 17.58	−26 45.5	1.864	2.847	6.1	19.7
8 19	20 10.80	−27 24.7	1.915	2.848	9.7	19.9
8 29	20 5.92	−27 50.6	1.989	2.848	12.8	20.1

42395 6193 *P–L* 7 27.4 341°.31 8°.2/ 1.3 18

6 20	20 47.95	+ 1 5.0	1.564	2.363	18.8	19.4
6 30	20 45.25	+ 1 35.9	1.484	2.356	16.1	19.2
7 10	20 40.21	+ 1 43.6	1.421	2.349	13.0	19.0
7 20	20 33.34	+ 1 25.4	1.377	2.344	10.0	18.8
7 30	20 25.51	+ 0 41.1	1.357	2.339	8.3	18.7
8 9	20 17.83	− 0 25.6	1.360	2.334	9.0	18.7
8 19	20 11.34	− 1 48.3	1.386	2.331	11.6	18.9
8 29	20 6.98	− 3 18.9	1.434	2.327	14.8	19.0

520459 2014 KY_{107} 7 27.4 77°.04 3°.7/29.6 17

6 20	20 51.78	− 8 9.1	2.194	3.000	13.8	21.1
6 30	20 47.33	− 7 46.6	2.120	3.010	11.2	20.9
7 10	20 41.09	− 7 35.4	2.067	3.020	8.1	20.7
7 20	20 33.57	− 7 35.4	2.039	3.030	5.2	20.6
7 30	20 25.48	− 7 45.6	2.038	3.040	3.7	20.5
8 9	20 17.66	− 8 3.6	2.064	3.050	5.3	20.6
8 19	20 10.83	− 8 26.7	2.116	3.060	8.2	20.8
8 29	20 5.64	− 8 52.1	2.193	3.070	11.1	21.0

442084 2010 SZ_{33} 7 27.4 298°.61 0°.2/27.3 15

6 20	20 50.36	−17 42.6	2.134	2.975	13.0	21.7
6 30	20 46.57	−18 6.3	2.044	2.964	10.1	21.5
7 10	20 40.80	−18 37.7	1.977	2.954	6.7	21.2
7 20	20 33.53	−19 14.0	1.934	2.943	2.9	21.0
7 30	20 25.48	−19 51.6	1.919	2.933	1.1	20.8
8 9	20 17.54	−20 26.8	1.931	2.923	5.0	21.1
8 19	20 10.57	−20 56.6	1.969	2.913	8.7	21.3
8 29	20 5.33	−21 19.1	2.031	2.903	12.0	21.5

306628 2000 QA_{154} 7 27.4 347°.36 9°.6/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 43.31	− 0 57.8	1.142	1.983	21.8	19.7
6 30	20 42.42	− 0 1.7	1.068	1.969	18.7	19.5
7 10	20 38.75	+ 0 28.8	1.010	1.957	15.1	19.2
7 20	20 32.84	+ 0 28.9	0.970	1.947	11.7	19.0
7 30	20 25.71	− 0 3.3	0.949	1.938	9.7	18.9
8 9	20 18.73	− 1 4.1	0.949	1.931	10.6	18.9
8 19	20 13.25	− 2 26.0	0.969	1.926	13.8	19.0
8 29	20 10.42	− 3 58.6	1.008	1.923	17.6	19.3

40456 1999 RV_{41} 7 27.4 307°.30 1°.1/26.8 18 R

6 20	20 50.80	−20 24.9	2.026	2.874	13.3	18.8
6 30	20 47.10	−20 48.3	1.932	2.857	10.3	18.6
7 10	20 41.28	−21 18.0	1.860	2.839	6.8	18.3
7 20	20 33.79	−21 50.6	1.813	2.822	3.0	18.1
7 30	20 25.40	−22 22.1	1.792	2.805	1.7	17.9
8 9	20 17.10	−22 48.8	1.798	2.788	5.6	18.2
8 19	20 9.82	−23 8.0	1.830	2.772	9.5	18.4
8 29	20 4.41	−23 18.2	1.885	2.755	12.9	18.5

258645 2002 EP_{46} 7 27.4 138°.73 0°.2/27.5 17

6 20	20 57.57	−17 17.0	1.569	2.413	16.7	21.1
6 30	20 52.63	−17 29.0	1.499	2.420	13.0	20.9
7 10	20 45.02	−17 50.3	1.449	2.426	8.6	20.6
7 20	20 35.41	−18 17.4	1.423	2.432	3.8	20.4
7 30	20 24.88	−18 46.1	1.423	2.438	1.3	20.2
8 9	20 14.74	−19 11.8	1.449	2.443	6.2	20.5
8 19	20 6.17	−19 31.6	1.501	2.448	10.7	20.8
8 29	20 0.08	−19 43.9	1.574	2.452	14.6	21.1

218807 2006 DM_{44} 7 27.4 251°.39 1°.7/28.7 18

6 20	20 49.40	−11 58.2	2.594	3.409	11.7	20.9
6 30	20 45.42	−12 9.5	2.499	3.400	9.2	20.8
7 10	20 39.85	−12 30.0	2.426	3.391	6.4	20.6
7 20	20 33.07	−12 58.3	2.380	3.382	3.4	20.4
7 30	20 25.69	−13 32.2	2.361	3.372	1.7	20.2
8 9	20 18.38	−14 8.8	2.371	3.363	4.2	20.4
8 19	20 11.84	−14 45.6	2.408	3.353	7.3	20.6
8 29	20 6.65	−15 19.9	2.470	3.344	10.1	20.7

395244 2010 NM_{83} 7 27.4 347°.12 6°.9/22.5 18

6 20	20 52.85	−34 11.7	1.900	2.756	13.7	20.0
6 30	20 49.08	−35 35.0	1.832	2.752	11.0	19.8
7 10	20 42.76	−36 56.0	1.787	2.749	8.5	19.6
7 20	20 34.48	−38 6.9	1.766	2.746	7.0	19.5
7 30	20 25.20	−39 0.6	1.770	2.743	7.5	19.6
8 9	20 16.16	−39 32.5	1.799	2.741	9.7	19.7
8 19	20 8.51	−39 41.5	1.852	2.739	12.4	19.9
8 29	20 3.19	−39 29.5	1.925	2.738	15.0	20.0

93096 2000 SN_{39} 7 27.4 295°.89 3°.3/25.5 18

6 20	20 53.05	−23 51.2	1.630	2.491	15.4	18.9
6 30	20 49.49	−24 44.1	1.544	2.475	12.0	18.6
7 10	20 43.22	−25 44.0	1.479	2.460	8.1	18.4
7 20	20 34.76	−26 44.7	1.437	2.444	4.3	18.1
7 30	20 25.08	−27 39.3	1.421	2.428	4.0	18.1
8 9	20 15.48	−28 21.5	1.431	2.413	7.8	18.2
8 19	20 7.24	−28 47.8	1.464	2.397	12.0	18.5
8 29	20 1.45	−28 57.5	1.519	2.382	15.8	18.7

428820 2008 TD_{91} 7 27.4 351°.36 8°.7/29.9 17

6 20	20 53.10	− 4 28.7	1.378	2.201	19.7	19.3
6 30	20 49.49	− 2 50.1	1.303	2.195	16.6	19.1
7 10	20 43.14	− 1 26.1	1.247	2.190	13.2	18.9
7 20	20 34.68	− 0 21.7	1.212	2.186	10.1	18.7
7 30	20 25.13	+ 0 19.6	1.199	2.183	8.7	18.6
8 9	20 15.84	+ 0 37.5	1.209	2.181	10.1	18.7
8 19	20 8.05	+ 0 34.3	1.241	2.180	13.2	18.8
8 29	20 2.77	+ 0 15.4	1.294	2.180	16.6	19.0

17962 Andrewherron 7 27.4 147°.87 3°.7/29.3 18

6 20	20 56.41	− 9 20.7	1.627	2.449	17.2	18.7
6 30	20 51.58	− 9 9.0	1.554	2.455	13.8	18.5
7 10	20 44.27	− 9 12.0	1.500	2.461	9.9	18.3
7 20	20 35.08	− 9 29.2	1.469	2.467	5.8	18.1
7 30	20 25.01	− 9 58.0	1.464	2.472	3.7	17.9
8 9	20 15.25	−10 34.6	1.485	2.477	6.4	18.1
8 19	20 6.90	−11 14.5	1.532	2.481	10.4	18.4
8 29	20 0.84	−11 53.7	1.601	2.484	14.1	18.6

86096 1999 RB_{103} 7 27.4 317°.98 9°.7/ 1.8 18

6 20	20 47.80	+ 5 22.0	1.930	2.688	17.1	18.7
6 30	20 44.84	+ 6 20.3	1.831	2.666	15.1	18.5
7 10	20 39.84	+ 6 59.2	1.750	2.644	12.9	18.3
7 20	20 33.21	+ 7 14.8	1.689	2.623	10.9	18.1
7 30	20 25.64	+ 7 4.6	1.651	2.603	9.8	18.0
8 9	20 18.03	+ 6 29.3	1.636	2.583	10.1	18.0
8 19	20 11.32	+ 5 32.1	1.644	2.563	11.9	18.0
8 29	20 6.35	+ 4 19.1	1.674	2.544	14.3	18.2

489781 2008 CH_{34} 7 27.4 82°.87 2°.3/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 56.13	−25 37.8	2.135	2.978	13.0	21.7
6 30	20 50.84	−25 47.4	2.065	2.986	10.0	21.5
7 10	20 43.48	−25 57.4	2.018	2.994	6.6	21.3
7 20	20 34.64	−26 4.3	1.996	3.002	3.4	21.1
7 30	20 25.20	−26 4.9	2.001	3.010	2.7	21.1
8 9	20 16.14	−25 57.2	2.034	3.018	5.7	21.3
8 19	20 8.34	−25 40.7	2.094	3.026	9.0	21.5
8 29	20 2.49	−25 16.3	2.178	3.033	12.0	21.7

43110 1999 XH_{29} 7 27.4 111°.48 2°.4/25.5 18

6 20	20 51.85	−24 23.8	2.563	3.403	11.1	18.4
6 30	20 47.31	−25 15.4	2.495	3.415	8.5	18.2
7 10	20 41.07	−26 9.6	2.451	3.427	5.7	18.1
7 20	20 33.59	−27 2.2	2.434	3.438	3.0	17.9
7 30	20 25.55	−27 49.3	2.445	3.449	2.8	17.9
8 9	20 17.73	−28 27.5	2.484	3.461	5.3	18.1
8 19	20 10.85	−28 55.0	2.550	3.471	8.1	18.3
8 29	20 5.52	−29 11.4	2.641	3.482	10.6	18.5

78387 2002 PD_{156} 7 27.4 80°.65 1°.3/26.8 18

6 20	20 54.95	−21 26.8	1.860	2.706	14.4	19.7
6 30	20 50.25	−21 42.0	1.789	2.712	11.1	19.5
7 10	20 43.26	−22 1.8	1.739	2.718	7.3	19.3
7 20	20 34.61	−22 22.6	1.715	2.723	3.2	19.1
7 30	20 25.21	−22 40.3	1.717	2.729	1.9	19.0
8 9	20 16.16	−22 52.0	1.745	2.735	5.8	19.3
8 19	20 8.44	−22 55.8	1.800	2.741	9.6	19.5
8 29	20 2.85	−22 51.4	1.878	2.747	13.0	19.7

458224 2010 RL_{148} 7 27.4 24°.79 2°.3/28.3 17

6 20	20 52.60	−14 24.5	1.080	1.952	20.7	20.1
6 30	20 49.62	−14 9.2	1.025	1.959	16.3	19.9
7 10	20 43.42	−14 8.6	0.987	1.967	11.1	19.6
7 20	20 34.81	−14 20.7	0.969	1.976	5.5	19.4
7 30	20 25.15	−14 41.6	0.973	1.986	2.5	19.2
8 9	20 16.07	−15 6.1	0.999	1.997	7.3	19.5
8 19	20 9.01	−15 29.7	1.047	2.009	12.5	19.9
8 29	20 4.98	−15 48.7	1.115	2.021	17.1	20.2

368520 2003 UL_{382} 7 27.4 208°.14 2°.0/26.4 17

6 20	20 57.26	−21 33.2	1.790	2.635	14.9	22.4
6 30	20 52.34	−22 13.1	1.708	2.630	11.6	22.2
7 10	20 44.87	−22 59.7	1.647	2.625	7.7	21.9
7 20	20 35.40	−23 48.2	1.611	2.620	3.5	21.7
7 30	20 24.91	−24 32.7	1.602	2.613	2.6	21.6
8 9	20 14.60	−25 8.3	1.620	2.606	6.6	21.8
8 19	20 5.64	−25 32.1	1.664	2.599	10.7	22.1
8 29	19 58.98	−25 43.5	1.730	2.591	14.3	22.3

513321 2007 EJ_{19} 7 27.4 124°.80 3°.6/25.1 18

6 20	20 54.70	−29 46.7	2.482	3.322	11.4	22.2
6 30	20 49.59	−30 17.8	2.411	3.328	8.9	22.0
7 10	20 42.60	−30 47.4	2.364	3.334	6.2	21.9
7 20	20 34.26	−31 11.4	2.343	3.340	4.0	21.7
7 30	20 25.34	−31 26.2	2.349	3.345	4.0	21.7
8 9	20 16.72	−31 29.6	2.383	3.351	6.1	21.9
8 19	20 9.19	−31 21.0	2.444	3.356	8.8	22.1
8 29	20 3.40	−31 1.5	2.528	3.361	11.2	22.2

326247 2012 DS_{25} 7 27.4 214°.80 1°.9/26.4 17

6 20	20 57.02	−21 19.0	1.716	2.564	15.4	21.3
6 30	20 52.27	−21 58.6	1.635	2.559	11.9	21.0
7 10	20 44.88	−22 45.4	1.574	2.553	7.9	20.8
7 20	20 35.43	−23 34.5	1.538	2.546	3.6	20.5
7 30	20 24.91	−24 19.8	1.528	2.539	2.6	20.4
8 9	20 14.57	−24 56.3	1.545	2.532	6.7	20.7
8 19	20 5.61	−25 20.7	1.588	2.524	11.0	20.9
8 29	19 59.05	−25 32.5	1.652	2.516	14.8	21.1

157045 2003 SZ_{53} 7 27.4 332°.76 0°.9/26.9 18

6 20	20 50.12	−19 52.0	2.142	2.987	12.8	19.8
6 30	20 46.36	−20 16.0	2.058	2.981	9.9	19.6
7 10	20 40.65	−20 45.9	1.997	2.976	6.5	19.4
7 20	20 33.48	−21 18.7	1.961	2.970	2.8	19.1
7 30	20 25.60	−21 50.6	1.952	2.965	1.5	19.0
8 9	20 17.87	−22 18.2	1.970	2.961	5.1	19.3
8 19	20 11.16	−22 39.0	2.015	2.956	8.7	19.5
8 29	20 6.19	−22 51.8	2.083	2.952	11.9	19.7

171768 2001 AW_{22} 7 27.4 200°.48 2°.2/26.2 18

6 20	20 58.04	−22 32.0	1.853	2.696	14.6	21.1
6 30	20 52.86	−23 11.3	1.771	2.692	11.3	20.9
7 10	20 45.16	−23 56.1	1.711	2.688	7.5	20.7
7 20	20 35.52	−24 41.5	1.676	2.684	3.6	20.4
7 30	20 24.89	−25 21.8	1.669	2.678	2.8	20.3
8 9	20 14.47	−25 52.5	1.688	2.672	6.6	20.6
8 19	20 5.37	−26 11.0	1.734	2.666	10.5	20.8
8 29	19 58.55	−26 17.2	1.802	2.659	14.0	21.0

274602 2008 TS_{37} 7 27.4 348°.87 1°.5/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 49.09	−13 23.4	2.508	3.331	11.9	21.1
6 30	20 45.19	−13 26.9	2.423	3.330	9.3	21.0
7 10	20 39.68	−13 38.5	2.361	3.329	6.4	20.8
7 20	20 33.01	−13 56.8	2.324	3.328	3.2	20.6
7 30	20 25.78	−14 19.6	2.314	3.327	1.5	20.4
8 9	20 18.70	−14 44.4	2.333	3.326	4.2	20.6
8 19	20 12.44	−15 9.1	2.379	3.326	7.3	20.8
8 29	20 7.60	−15 31.4	2.450	3.325	10.1	21.0

342144 2008 SE_{130} 7 27.4 307°.19 11°.4/ 1.8 18

6 20	20 48.98	+ 5 56.6	1.631	2.398	19.4	20.3
6 30	20 46.24	+ 7 4.0	1.529	2.370	17.3	20.1
7 10	20 41.08	+ 7 49.7	1.445	2.342	14.9	19.9
7 20	20 33.88	+ 8 7.8	1.379	2.315	12.7	19.7
7 30	20 25.41	+ 7 54.3	1.334	2.287	11.5	19.5
8 9	20 16.78	+ 7 9.1	1.311	2.260	11.9	19.5
8 19	20 9.15	+ 5 55.9	1.310	2.234	13.9	19.5
8 29	20 3.61	+ 4 22.5	1.330	2.208	16.8	19.6

508999 2005 GW_{19} 7 27.4 171°.10 3°.3/29.9 17

6 20	20 52.28	− 6 30.5	2.632	3.419	12.3	22.9
6 30	20 47.49	− 6 30.1	2.545	3.423	10.0	22.7
7 10	20 41.14	− 6 41.1	2.481	3.427	7.3	22.6
7 20	20 33.63	− 7 3.0	2.442	3.430	4.7	22.4
7 30	20 25.57	− 7 34.2	2.431	3.432	3.3	22.3
8 9	20 17.65	− 8 12.2	2.448	3.434	4.7	22.4
8 19	20 10.53	− 8 54.1	2.494	3.435	7.3	22.6
8 29	20 4.79	− 9 36.7	2.566	3.435	9.9	22.8

328136 2008 BC_{30} 7 27.4 125°.11 0°.9/27.9 15

6 20	20 58.26	−16 4.1	1.751	2.584	15.7	22.0
6 30	20 52.79	−16 6.6	1.683	2.597	12.2	21.8
7 10	20 44.93	−16 17.7	1.637	2.610	8.2	21.6
7 20	20 35.33	−16 34.9	1.615	2.622	3.7	21.4
7 30	20 25.00	−16 54.8	1.620	2.634	1.3	21.2
8 9	20 15.08	−17 13.9	1.652	2.645	5.6	21.6
8 19	20 6.61	−17 29.8	1.710	2.656	9.7	21.8
8 29	20 0.39	−17 40.8	1.792	2.666	13.3	22.1

248109 2004 RN_{137} 7 27.4 294°.81 6°.5/31.5 18

6 20	20 49.37	− 0 10.9	2.226	3.000	14.6	20.4
6 30	20 45.67	+ 0 24.4	2.131	2.988	12.4	20.3
7 10	20 40.17	+ 0 44.2	2.056	2.977	10.0	20.1
7 20	20 33.29	+ 0 47.0	2.004	2.965	7.7	19.9
7 30	20 25.68	+ 0 32.3	1.976	2.954	6.5	19.8
8 9	20 18.13	+ 0 1.8	1.975	2.942	7.2	19.8
8 19	20 11.41	− 0 41.3	1.999	2.931	9.4	20.0
8 29	20 6.24	− 1 32.7	2.047	2.920	11.9	20.1

172875 2005 EW_{165} 7 27.4 359°.54 0°.7/27.1 18

6 20	20 52.28	−19 7.5	1.772	2.622	14.8	20.5
6 30	20 48.38	−19 30.7	1.696	2.621	11.5	20.2
7 10	20 42.16	−20 1.5	1.641	2.621	7.6	20.0
7 20	20 34.19	−20 36.2	1.611	2.621	3.3	19.7
7 30	20 25.38	−21 10.5	1.607	2.621	1.5	19.6
8 9	20 16.83	−21 40.1	1.629	2.621	5.8	19.9
8 19	20 9.55	−22 2.2	1.676	2.622	9.9	20.2
8 29	20 4.40	−22 15.3	1.747	2.622	13.5	20.4

511698 2015 CN_{10} 7 27.4 127°.32 2°.0/28.8 17

6 20	20 54.63	−10 8.9	1.930	2.746	15.1	21.8
6 30	20 49.83	−10 43.4	1.859	2.760	11.9	21.6
7 10	20 42.92	−11 32.4	1.810	2.774	8.2	21.4
7 20	20 34.48	−12 33.0	1.785	2.787	4.3	21.2
7 30	20 25.32	−13 40.8	1.788	2.800	2.1	21.0
8 9	20 16.44	−14 50.4	1.819	2.812	5.2	21.3
8 19	20 8.74	−15 57.0	1.877	2.823	8.9	21.5
8 29	20 2.98	−16 56.7	1.959	2.834	12.3	21.8

208017 1998 TX_{20} 7 27.4 192°.63 4°.3/24.6 18

6 20	20 56.66	−30 33.8	2.352	3.191	12.0	21.3
6 30	20 51.35	−31 19.9	2.275	3.190	9.4	21.1
7 10	20 43.92	−32 4.9	2.220	3.188	6.7	21.0
7 20	20 34.92	−32 43.6	2.192	3.186	4.6	20.8
7 30	20 25.17	−33 11.4	2.191	3.183	4.7	20.8
8 9	20 15.64	−33 25.2	2.218	3.180	6.9	21.0
8 19	20 7.26	−33 24.3	2.271	3.176	9.7	21.1
8 29	20 0.79	−33 9.7	2.347	3.172	12.3	21.3

120783 1998 EN_{19} 7 27.4 197°.66 1°.6/26.5 18 R

6 20	20 56.79	−22 22.9	2.179	3.014	13.0	20.8
6 30	20 51.47	−22 45.9	2.094	3.012	10.0	20.6
7 10	20 44.02	−23 12.7	2.032	3.008	6.6	20.4
7 20	20 34.98	−23 39.5	1.997	3.004	3.0	20.2
7 30	20 25.15	−24 2.6	1.989	3.000	2.1	20.1
8 9	20 15.52	−24 18.6	2.009	2.995	5.5	20.3
8 19	20 7.02	−24 26.0	2.056	2.989	9.1	20.6
8 29	20 0.43	−24 24.5	2.128	2.983	12.2	20.7

444414 2006 AQ_{56} 7 27.5 38.°27 1.°9/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 53.99	−14 48.2	2.145	2.970	13.5	20.2
6 30	20 49.11	−14 17.7	2.069	2.976	10.6	20.0
7 10	20 42.32	−13 53.6	2.014	2.983	7.3	19.8
7 20	20 34.18	−13 35.1	1.985	2.989	3.8	19.6
7 30	20 25.44	−13 21.4	1.984	2.996	2.0	19.5
8 9	20 17.01	−13 10.9	2.010	3.002	4.9	19.7
8 19	20 9.67	−13 2.5	2.064	3.009	8.3	19.9
8 29	20 4.10	−12 54.8	2.141	3.017	11.4	20.2

177031 2003 BM_{92} 7 27.5 86.°66 3.°2/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.43	−10 16.6	2.153	2.965	13.9	20.0
6 30	20 48.64	− 9 51.2	2.079	2.975	11.1	19.8
7 10	20 42.00	− 9 35.8	2.027	2.985	7.9	19.7
7 20	20 34.04	− 9 30.0	2.000	2.996	4.7	19.5
7 30	20 25.49	− 9 32.7	2.000	3.006	3.2	19.4
8 9	20 17.23	− 9 41.8	2.028	3.016	5.2	19.6
8 19	20 10.04	− 9 55.1	2.082	3.027	8.3	19.8
8 29	20 4.55	−10 10.1	2.161	3.037	11.3	20.0

23879 Demura 7 27.5 311.°42 4.°4/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 47.95	− 4 9.3	2.216	3.013	14.0	18.5
6 30	20 44.59	− 4 10.7	2.123	3.003	11.6	18.3
7 10	20 39.47	− 4 27.6	2.050	2.994	8.7	18.1
7 20	20 33.00	− 4 59.9	2.001	2.985	6.0	18.0
7 30	20 25.83	− 5 46.1	1.978	2.976	4.4	17.8
8 9	20 18.74	− 6 42.8	1.982	2.968	5.7	17.9
8 19	20 12.48	− 7 46.0	2.013	2.959	8.4	18.1
8 29	20 7.75	− 8 50.9	2.068	2.951	11.4	18.2

359431 2010 LB_{118} 7 27.5 270.°15 3.°3/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.17	−28 0.9	2.213	3.056	12.5	21.1
6 30	20 50.25	−28 23.5	2.131	3.052	9.7	20.9
7 10	20 43.22	−28 45.6	2.073	3.047	6.7	20.7
7 20	20 34.63	−29 3.3	2.040	3.042	3.9	20.5
7 30	20 25.30	−29 12.4	2.035	3.038	3.7	20.5
8 9	20 16.23	−29 10.7	2.057	3.033	6.3	20.7
8 19	20 8.33	−28 57.3	2.105	3.028	9.4	20.8
8 29	20 2.36	−28 33.3	2.176	3.023	12.3	21.0

68566 2001 XT_{243} 7 27.5 92.°35 2.°8/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.22	−12 33.9	1.437	2.275	18.3	19.5
6 30	20 53.15	−12 16.1	1.376	2.290	14.5	19.3
7 10	20 45.36	−12 11.2	1.335	2.304	10.0	19.1
7 20	20 35.59	−12 17.9	1.316	2.319	5.3	18.9
7 30	20 25.00	−12 33.3	1.322	2.333	2.9	18.7
8 9	20 14.93	−12 53.8	1.354	2.347	6.5	19.0
8 19	20 6.58	−13 15.7	1.410	2.361	10.9	19.3
8 29	20 0.81	−13 35.8	1.488	2.375	14.8	19.6

425703 2011 BW_{7} 7 27.5 198.°96 0.°5/27.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.58	−17 11.5	1.802	2.643	15.0	21.3
6 30	20 50.19	−17 54.4	1.721	2.641	11.7	21.1
7 10	20 43.42	−18 47.8	1.662	2.639	7.7	20.9
7 20	20 34.81	−19 47.8	1.627	2.636	3.3	20.6
7 30	20 25.24	−20 48.7	1.619	2.633	1.4	20.4
8 9	20 15.84	−21 44.9	1.639	2.630	5.9	20.7
8 19	20 7.68	−22 32.3	1.684	2.626	10.1	21.0
8 29	20 1.66	−23 8.6	1.752	2.622	13.8	21.2

361524 2007 FN_{35} 7 27.5 212.°80 0.°6/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 49.66	−14 18.1	2.440	3.265	12.1	20.6
6 30	20 45.75	−14 53.8	2.353	3.263	9.4	20.4
7 10	20 40.14	−15 39.0	2.290	3.262	6.3	20.3
7 20	20 33.28	−16 31.1	2.253	3.260	2.9	20.0
7 30	20 25.78	−17 26.5	2.244	3.258	0.9	19.9
8 9	20 18.40	−18 21.4	2.263	3.256	4.3	20.1
8 19	20 11.85	−19 12.5	2.310	3.254	7.6	20.3
8 29	20 6.76	−19 57.0	2.382	3.252	10.6	20.5

392817 2012 TZ_{283} 7 27.5 234.°49 1.°0/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.11	−14 30.4	2.206	3.030	13.2	22.7
6 30	20 48.64	−14 46.4	2.111	3.020	10.4	22.5
7 10	20 42.20	−15 11.7	2.038	3.009	7.0	22.3
7 20	20 34.23	−15 44.2	1.991	2.997	3.3	22.0
7 30	20 25.45	−16 21.0	1.971	2.985	1.2	21.8
8 9	20 16.75	−16 58.3	1.980	2.973	4.8	22.1
8 19	20 8.98	−17 33.2	2.015	2.960	8.5	22.3
8 29	20 2.92	−18 3.1	2.075	2.947	11.9	22.5

399215 2014 GT_{33} 7 27.5 14.°07 6.°8/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.95	−33 22.3	1.674	2.537	14.9	19.4
6 30	20 49.33	−34 31.9	1.615	2.541	11.9	19.2
7 10	20 42.99	−35 38.3	1.578	2.546	8.9	19.0
7 20	20 34.63	−36 33.7	1.564	2.551	7.0	18.9
7 30	20 25.35	−37 11.2	1.575	2.557	7.4	19.0
8 9	20 16.49	−37 26.7	1.610	2.564	9.7	19.1
8 19	20 9.24	−37 20.1	1.668	2.571	12.7	19.3
8 29	20 4.52	−36 53.8	1.746	2.579	15.5	19.5

511687 2015 BM_{513} 7 27.5 157.°69 1.°8/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 57.45	−13 48.9	1.907	2.730	15.0	22.0
6 30	20 52.07	−13 42.0	1.830	2.736	11.8	21.8
7 10	20 44.46	−13 44.4	1.774	2.742	8.1	21.6
7 20	20 35.20	−13 54.6	1.743	2.747	4.1	21.4
7 30	20 25.17	−14 10.1	1.739	2.752	1.9	21.2
8 9	20 15.44	−14 27.9	1.763	2.756	5.4	21.5
8 19	20 6.97	−14 45.4	1.814	2.759	9.2	21.7
8 29	20 0.56	−15 0.4	1.888	2.762	12.7	21.9

93583 2000 UC_{51} 7 27.5 115.°71 2.°5/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.61	− 9 57.3	2.559	3.363	12.2	19.6
6 30	20 46.98	− 9 55.3	2.484	3.377	9.7	19.5
7 10	20 40.80	−10 2.8	2.432	3.390	6.8	19.3
7 20	20 33.52	−10 18.8	2.406	3.403	4.0	19.1
7 30	20 25.77	−10 41.6	2.408	3.416	2.5	19.0
8 9	20 18.23	−11 8.8	2.438	3.428	4.3	19.2
8 19	20 11.56	−11 37.8	2.496	3.440	7.1	19.4
8 29	20 6.31	−12 6.2	2.580	3.452	9.8	19.6

320375 2007 TJ_{449} 7 27.5 16.°43 3.°7/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.07	−26 1.1	1.580	2.445	15.6	20.0
6 30	20 49.34	−26 41.4	1.516	2.448	12.1	19.8
7 10	20 42.96	−27 24.3	1.472	2.452	8.2	19.6
7 20	20 34.62	−28 3.9	1.452	2.457	4.6	19.4
7 30	20 25.38	−28 33.9	1.457	2.462	4.3	19.4
8 9	20 16.55	−28 50.4	1.487	2.468	7.6	19.6
8 19	20 9.29	−28 51.7	1.541	2.474	11.5	19.8
8 29	20 4.48	−28 38.9	1.616	2.481	14.9	20.0

168880 2000 WJ_{48} 7 27.5 242.°76 2.°1/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.11	−12 21.2	1.840	2.664	15.4	21.2
6 30	20 51.45	−12 27.1	1.741	2.648	12.3	21.0
7 10	20 44.35	−12 45.3	1.663	2.631	8.6	20.7
7 20	20 35.29	−13 14.3	1.609	2.613	4.5	20.4
7 30	20 25.12	−13 51.2	1.582	2.594	2.2	20.2
8 9	20 14.93	−14 31.8	1.582	2.575	5.8	20.4
8 19	20 5.84	−15 12.2	1.608	2.555	10.1	20.6
8 29	19 58.84	−15 48.9	1.658	2.535	14.0	20.8

477937 2011 QU_{78} 7 27.5 325.°21 4.°0/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.11	−27 58.4	1.671	2.531	15.1	20.8
6 30	20 50.96	−28 20.5	1.591	2.520	11.9	20.5
7 10	20 44.11	−28 42.6	1.532	2.509	8.2	20.3
7 20	20 35.16	−28 59.5	1.496	2.499	4.8	20.1
7 30	20 25.19	−29 5.7	1.485	2.489	4.4	20.0
8 9	20 15.50	−28 58.0	1.500	2.480	7.7	20.2
8 19	20 7.32	−28 35.9	1.539	2.471	11.6	20.4
8 29	20 1.64	−28 0.9	1.599	2.463	15.2	20.6

130792 2000 TW_{27} 7 27.5 158.°66 10.°3/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.15	+19 36.2	2.845	3.452	14.9	21.2
6 30	20 48.15	+20 21.6	2.766	3.462	13.8	21.1
7 10	20 41.59	+20 46.1	2.703	3.470	12.5	21.0
7 20	20 33.89	+20 46.7	2.659	3.478	11.4	20.9
7 30	20 25.64	+20 21.9	2.637	3.485	10.6	20.9
8 9	20 17.53	+19 32.8	2.638	3.491	10.4	20.9
8 19	20 10.21	+18 22.3	2.663	3.497	10.8	20.9
8 29	20 4.25	+16 55.4	2.711	3.501	11.7	21.0

480187 2015 FV_{333} 7 27.5 7.°01 6.°9/31.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 50.67	− 1 7.6	1.772	2.565	17.1	21.2
6 30	20 47.05	− 0 37.7	1.693	2.566	14.4	21.0
7 10	20 41.27	− 0 26.9	1.633	2.566	11.4	20.8
7 20	20 33.86	− 0 36.9	1.595	2.566	8.5	20.6
7 30	20 25.64	− 1 7.2	1.581	2.567	6.9	20.6
8 9	20 17.60	− 1 54.8	1.592	2.568	7.8	20.6
8 19	20 10.69	− 2 54.7	1.627	2.569	10.4	20.8
8 29	20 5.73	− 4 1.0	1.686	2.570	13.5	21.0

61252 2000 OK_{24} 7 27.5 333.°56 3.°4/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.68	−24 28.9	1.367	2.240	17.1	18.3
6 30	20 49.59	−25 1.6	1.292	2.230	13.3	18.1
7 10	20 43.49	−25 39.3	1.236	2.220	9.0	17.8
7 20	20 34.99	−26 16.2	1.203	2.210	4.6	17.5
7 30	20 25.26	−26 45.3	1.193	2.202	4.0	17.5
8 9	20 15.80	−27 1.3	1.207	2.194	8.2	17.7
8 19	20 8.02	−27 2.1	1.244	2.187	12.8	17.9
8 29	20 3.06	−26 47.9	1.300	2.181	16.9	18.2

127495 2002 TW_{30} 7 27.5 310.°91 3.°2/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 50.83	− 9 41.3	1.876	2.700	15.2	20.0
6 30	20 47.14	− 9 36.5	1.790	2.694	12.2	19.7
7 10	20 41.34	− 9 44.9	1.725	2.688	8.7	19.5
7 20	20 33.91	−10 5.8	1.683	2.682	5.1	19.3
7 30	20 25.65	−10 37.1	1.667	2.676	3.2	19.2
8 9	20 17.54	−11 15.3	1.678	2.670	5.6	19.3
8 19	20 10.49	−11 56.5	1.714	2.665	9.3	19.5
8 29	20 5.34	−12 36.9	1.774	2.659	12.8	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
13981 1992 OT_9			7 27.5 315°.43		1°.7/26.4 18	R
	h m	° ′			°	m
6 20	20 51.56	−20 10.3	1.857	2.707	14.2	17.5
6 30	20 47.86	−20 59.1	1.777	2.703	11.0	17.3
7 10	20 41.89	−21 56.2	1.719	2.699	7.2	17.1
7 20	20 34.17	−22 56.9	1.685	2.694	3.3	16.8
7 30	20 25.56	−23 55.5	1.679	2.690	2.3	16.7
8 9	20 17.11	−24 46.7	1.699	2.686	6.1	17.0
8 19	20 9.83	−25 26.9	1.744	2.683	10.0	17.2
8 29	20 4.59	−25 54.5	1.812	2.679	13.5	17.4
62733 2000 TX_{59}			7 27.5 120°.25		2°.3/25.5 18	
6 20	20 52.45	−22 47.5	2.479	3.317	11.5	18.9
6 30	20 47.90	−23 54.1	2.410	3.329	8.8	18.7
7 10	20 41.57	−25 5.0	2.364	3.340	5.8	18.5
7 20	20 33.93	−26 15.7	2.346	3.351	3.0	18.4
7 30	20 25.67	−27 21.1	2.356	3.362	2.8	18.4
8 9	20 17.59	−28 17.4	2.396	3.373	5.4	18.6
8 19	20 10.45	−29 1.8	2.462	3.383	8.3	18.8
8 29	20 4.91	−29 33.6	2.553	3.393	10.9	19.0
127096 2002 GJ_{83}			7 27.5 204°.26		1°.3/26.5 18	
6 20	20 55.08	−20 39.0	2.389	3.220	12.1	20.8
6 30	20 50.06	−21 19.3	2.299	3.214	9.3	20.6
7 10	20 43.09	−22 5.2	2.233	3.208	6.1	20.4
7 20	20 34.64	−22 53.1	2.193	3.201	2.8	20.1
7 30	20 25.42	−23 38.7	2.182	3.194	1.9	20.0
8 9	20 16.30	−24 18.4	2.200	3.186	5.1	20.3
8 19	20 8.12	−24 49.4	2.245	3.177	8.5	20.5
8 29	20 1.63	−25 10.7	2.315	3.167	11.5	20.6
199118 2005 YV_{75}			7 27.5 31°.28		2°.5/26.3 17	
6 20	20 53.25	−22 18.8	1.351	2.221	17.4	20.3
6 30	20 49.71	−22 53.9	1.295	2.231	13.4	20.1
7 10	20 43.31	−23 35.3	1.259	2.242	8.8	19.9
7 20	20 34.80	−24 17.2	1.245	2.254	4.1	19.6
7 30	20 25.40	−24 53.1	1.255	2.266	3.1	19.6
8 9	20 16.52	−25 18.0	1.290	2.279	7.4	19.9
8 19	20 9.42	−25 29.6	1.347	2.292	11.8	20.2
8 29	20 5.01	−25 28.0	1.426	2.307	15.7	20.4
414403 2009 BY_{46}			7 27.5 131°.81		1°.6/28.4 17	
6 20	20 56.57	−12 44.4	1.579	2.413	17.1	21.8
6 30	20 51.84	−13 4.0	1.510	2.423	13.4	21.6
7 10	20 44.55	−13 37.7	1.461	2.432	9.1	21.4
7 20	20 35.32	−14 22.6	1.436	2.441	4.5	21.1
7 30	20 25.21	−15 13.9	1.436	2.450	1.8	21.0
8 9	20 15.44	−16 6.2	1.463	2.458	6.0	21.2
8 19	20 7.15	−16 54.8	1.516	2.465	10.4	21.5
8 29	20 1.25	−17 36.1	1.591	2.472	14.3	21.8
424416 2008 AH_{80}			7 27.5 273°.30		1°.7/28.1 18	
6 20	20 56.55	−15 36.1	1.522	2.366	17.1	21.4
6 30	20 52.20	−15 18.5	1.434	2.354	13.6	21.1
7 10	20 45.04	−15 10.1	1.367	2.341	9.3	20.8
7 20	20 35.66	−15 9.3	1.322	2.329	4.6	20.5
7 30	20 25.07	−15 13.6	1.303	2.316	2.0	20.3
8 9	20 14.63	−15 20.1	1.309	2.304	6.5	20.6
8 19	20 5.64	−15 26.2	1.340	2.291	11.3	20.8
8 29	19 59.18	−15 29.7	1.392	2.278	15.6	21.1
219935 2002 GH_{128}			7 27.5 43°.98		2°.8/29.3 18	
6 20	20 50.10	− 9 52.0	2.026	2.847	14.3	20.6
6 30	20 46.27	− 9 51.2	1.956	2.858	11.4	20.4
7 10	20 40.56	−10 2.5	1.907	2.869	8.1	20.3
7 20	20 33.51	−10 24.9	1.882	2.880	4.7	20.1
7 30	20 25.85	−10 55.9	1.884	2.892	2.8	20.0
8 9	20 18.47	−11 32.3	1.912	2.904	5.1	20.1
8 19	20 12.14	−12 10.4	1.967	2.917	8.4	20.4
8 29	20 7.52	−12 47.1	2.046	2.929	11.5	20.6
509781 2008 US_{176}			7 27.5 211°.20		1°.8/28.6 17	
6 20	20 53.81	−12 44.9	2.139	2.958	13.7	22.5
6 30	20 49.18	−12 46.6	2.050	2.954	10.8	22.3
7 10	20 42.55	−12 58.0	1.982	2.949	7.5	22.1
7 20	20 34.42	−13 17.8	1.940	2.943	3.9	21.8
7 30	20 25.53	−13 43.5	1.926	2.938	1.9	21.7
8 9	20 16.77	−14 12.1	1.939	2.931	4.9	21.9
8 19	20 9.01	−14 40.7	1.979	2.925	8.6	22.1
8 29	20 3.00	−15 6.7	2.043	2.918	11.9	22.3
459440 2012 TU_{297}			7 27.5 329°.64		21°.6/ 8.3 17	
6 20	20 50.21	+18 36.8	1.145	1.873	28.0	21.3
6 30	20 48.06	+21 8.1	1.085	1.867	26.4	21.1
7 10	20 42.75	+23 3.8	1.035	1.861	24.7	21.0
7 20	20 34.81	+24 12.1	0.998	1.856	23.1	20.8
7 30	20 25.36	+24 23.5	0.974	1.851	22.0	20.7
8 9	20 15.97	+23 35.2	0.964	1.846	21.6	20.7
8 19	20 8.21	+21 52.1	0.970	1.842	22.1	20.7
8 29	20 3.44	+19 26.2	0.990	1.839	23.4	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
430943 2005 UP_{236}			7 27.5 331°.30		10°.8/20.4 17	
	h m	° ′			°	m
6 20	20 53.60	−37 4.6	1.338	2.211	17.4	20.4
6 30	20 51.09	−39 8.8	1.274	2.200	14.4	20.2
7 10	20 44.97	−41 10.2	1.231	2.189	11.9	20.0
7 20	20 35.83	−42 55.7	1.209	2.178	10.8	19.9
7 30	20 25.02	−44 12.7	1.209	2.169	11.8	19.9
8 9	20 14.42	−44 53.5	1.231	2.160	14.3	20.0
8 19	20 5.87	−44 57.4	1.272	2.152	17.4	20.2
8 29	20 0.79	−44 28.8	1.330	2.144	20.4	20.4
277081 2005 EK_{169}			7 27.5 259°.39		12°.1/ 5.2 16	
6 20	20 52.00	+11 19.8	1.316	2.069	23.9	20.5
6 30	20 49.09	+11 22.1	1.230	2.059	21.3	20.3
7 10	20 43.26	+10 44.5	1.157	2.049	18.2	20.0
7 20	20 35.00	+ 9 20.2	1.102	2.039	15.0	19.8
7 30	20 25.30	+ 7 7.5	1.066	2.029	12.6	19.6
8 9	20 15.57	+ 4 12.7	1.054	2.019	12.3	19.6
8 19	20 7.24	+ 0 49.7	1.065	2.008	14.5	19.7
8 29	20 1.57	− 2 43.5	1.100	1.997	18.0	19.8
180258 2003 WT_5			7 27.5 309°.42		1°.9/28.3 17	
6 20	20 51.61	−13 41.4	1.319	2.177	18.5	20.3
6 30	20 48.81	−13 45.1	1.235	2.162	14.7	20.1
7 10	20 43.06	−14 3.9	1.169	2.146	10.1	19.7
7 20	20 34.90	−14 36.0	1.124	2.131	5.1	19.4
7 30	20 25.36	−15 17.5	1.102	2.116	2.1	19.2
8 9	20 15.90	−16 2.6	1.105	2.102	6.9	19.4
8 19	20 7.93	−16 45.8	1.130	2.088	12.2	19.7
8 29	20 2.67	−17 22.6	1.176	2.075	16.9	19.9
257920 2000 WT_{27}			7 27.5 277°.69		0°.3/27.3 18	
6 20	20 51.63	−18 23.3	2.242	3.078	12.6	21.5
6 30	20 47.55	−18 42.7	2.146	3.064	9.8	21.3
7 10	20 41.53	−19 8.8	2.073	3.049	6.5	21.1
7 20	20 34.01	−19 39.0	2.025	3.034	2.8	20.8
7 30	20 25.70	−20 9.8	2.005	3.019	1.1	20.7
8 9	20 17.46	−20 38.1	2.013	3.004	4.9	20.9
8 19	20 10.13	−21 1.2	2.047	2.989	8.6	21.1
8 29	20 4.49	−21 17.4	2.105	2.974	11.8	21.3
357942 2005 YO_{51}			7 27.5 339°.31		4°.2/24.4 18	
6 20	20 50.54	−26 27.5	1.941	2.799	13.4	20.1
6 30	20 47.14	−27 42.8	1.864	2.793	10.4	19.8
7 10	20 41.48	−29 2.2	1.810	2.787	7.2	19.6
7 20	20 34.05	−30 19.6	1.782	2.782	4.6	19.5
7 30	20 25.69	−31 27.9	1.779	2.777	4.8	19.5
8 9	20 17.48	−32 21.8	1.804	2.773	7.6	19.6
8 19	20 10.42	−32 58.3	1.852	2.769	10.9	19.8
8 29	20 5.41	−33 17.2	1.923	2.766	13.9	20.0
472067 2013 YB_{83}			7 27.5 272°.52		0°.9/28.0 18	
6 20	20 52.63	−14 26.8	1.785	2.623	15.3	22.0
6 30	20 48.82	−14 48.1	1.693	2.610	12.0	21.8
7 10	20 42.64	−15 21.5	1.622	2.596	8.1	21.5
7 20	20 34.59	−16 4.6	1.575	2.582	3.8	21.2
7 30	20 25.50	−16 53.2	1.554	2.568	1.3	21.0
8 9	20 16.47	−17 42.4	1.560	2.554	5.7	21.3
8 19	20 8.57	−18 27.9	1.591	2.540	10.0	21.5
8 29	20 2.74	−19 6.3	1.645	2.526	13.9	21.7
150611 2000 YR_{12}			7 27.5 151°.20		2°.0/29.0 18	
6 20	20 51.63	−11 5.6	3.040	3.839	10.5	20.8
6 30	20 46.80	−11 1.5	2.957	3.848	8.3	20.7
7 10	20 40.62	−11 4.7	2.898	3.856	5.8	20.5
7 20	20 33.49	−11 14.4	2.866	3.864	3.3	20.3
7 30	20 25.92	−11 29.1	2.863	3.871	2.0	20.3
8 9	20 18.52	−11 47.1	2.889	3.878	3.8	20.4
8 19	20 11.84	−12 6.5	2.943	3.885	6.3	20.6
8 29	20 6.36	−12 25.6	3.024	3.891	8.7	20.7
73911 1997 GD_{22}			7 27.5 105°.32		2°.0/26.4 18	
6 20	20 57.37	−21 43.0	1.628	2.478	15.9	19.9
6 30	20 52.47	−22 21.2	1.565	2.491	12.2	19.7
7 10	20 44.95	−23 5.4	1.524	2.503	8.0	19.5
7 20	20 35.52	−23 50.3	1.506	2.515	3.7	19.2
7 30	20 25.25	−24 30.1	1.515	2.526	2.7	19.2
8 9	20 15.43	−25 0.0	1.550	2.538	6.7	19.5
8 19	20 7.17	−25 18.0	1.611	2.549	10.8	19.7
8 29	20 1.37	−25 23.7	1.693	2.559	14.3	20.0
371605 2006 WZ_{161}			7 27.5 203°.11		0°.5/27.8 17	
6 20	20 55.92	−15 59.6	1.912	2.744	14.6	22.4
6 30	20 51.10	−16 17.2	1.827	2.740	11.4	22.2
7 10	20 44.00	−16 44.2	1.763	2.736	7.7	22.0
7 20	20 35.14	−17 17.8	1.724	2.732	3.5	21.7
7 30	20 25.37	−17 54.1	1.712	2.727	1.1	21.5
8 9	20 15.77	−18 29.2	1.728	2.721	5.4	21.8
8 19	20 7.35	−18 59.7	1.770	2.715	9.5	22.0
8 29	20 0.97	−19 23.5	1.836	2.708	13.1	22.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
449320 2013 FP_{10}			7 27.5	18°.99	2°.6/29.2	18
	h m	° ′			°	m
6 20	20 49.94	−10 10.3	2.284	3.099	13.1	21.3
6 30	20 46.03	−10 8.3	2.201	3.100	10.4	21.1
7 10	20 40.39	−10 17.0	2.140	3.101	7.4	20.9
7 20	20 33.47	−10 35.4	2.104	3.102	4.3	20.8
7 30	20 25.95	−11 1.6	2.094	3.103	2.6	20.6
8 9	20 18.59	−11 32.9	2.113	3.104	4.7	20.8
8 19	20 12.12	−12 6.2	2.158	3.106	7.9	21.0
8 29	20 7.20	−12 38.8	2.227	3.107	10.8	21.2
82721 2001 PE_{50}			7 27.5	90°.02	0°.7/27.1	18
6 20	20 54.15	−16 56.9	1.591	2.440	16.3	19.7
6 30	20 50.06	−17 47.2	1.525	2.449	12.6	19.5
7 10	20 43.44	−18 49.3	1.479	2.458	8.3	19.3
7 20	20 34.90	−19 58.2	1.458	2.467	3.6	19.0
7 30	20 25.47	−21 7.1	1.462	2.476	1.6	18.9
8 9	20 16.36	−22 9.8	1.493	2.485	6.2	19.2
8 19	20 8.71	−23 1.6	1.549	2.494	10.6	19.5
8 29	20 3.40	−23 40.2	1.628	2.503	14.4	19.8
337316 2001 BF_{13}			7 27.5	231°.74	0°.2/27.4	18
6 20	20 55.01	−18 19.3	2.189	3.020	13.1	21.6
6 30	20 50.19	−18 35.6	2.095	3.009	10.2	21.4
7 10	20 43.30	−18 58.4	2.023	2.998	6.8	21.1
7 20	20 34.81	−19 25.1	1.977	2.986	3.0	20.9
7 30	20 25.49	−19 52.2	1.959	2.973	1.1	20.7
8 9	20 16.26	−20 16.5	1.969	2.960	5.1	21.0
8 19	20 8.03	−20 35.6	2.006	2.947	8.8	21.2
8 29	20 1.59	−20 48.0	2.067	2.933	12.1	21.3
123325 2000 VV_{20}			7 27.5	141°.76	5°.9/23.6	18
6 20	20 59.62	−34 20.6	2.213	3.049	12.8	20.3
6 30	20 53.82	−35 26.0	2.151	3.060	10.2	20.1
7 10	20 45.68	−36 27.6	2.113	3.071	7.7	20.0
7 20	20 35.81	−37 18.8	2.100	3.081	6.0	19.9
7 30	20 25.18	−37 54.2	2.115	3.090	6.3	20.0
8 9	20 14.91	−38 10.6	2.156	3.099	8.3	20.1
8 19	20 6.02	−38 8.0	2.222	3.107	10.7	20.3
8 29	19 59.31	−37 48.7	2.311	3.115	13.1	20.5
470835 2008 WA_{115}			7 27.5	268°.81	3°.4/25.4	17
6 20	20 54.10	−25 3.7	1.850	2.703	14.2	21.6
6 30	20 49.95	−25 55.8	1.772	2.698	11.0	21.4
7 10	20 43.37	−26 52.1	1.715	2.693	7.4	21.2
7 20	20 34.91	−27 47.1	1.683	2.688	4.1	21.0
7 30	20 25.50	−28 34.5	1.678	2.683	3.9	20.9
8 9	20 16.27	−29 9.5	1.699	2.678	7.1	21.1
8 19	20 8.33	−29 29.8	1.745	2.672	10.8	21.3
8 29	20 2.58	−29 35.1	1.814	2.667	14.1	21.5
27095 Girardiwanda			7 27.5	314°.39	4°.0/26.1	18
6 20	20 55.03	−25 29.4	1.126	2.008	19.3	17.8
6 30	20 52.26	−25 51.8	1.048	1.990	15.2	17.4
7 10	20 45.81	−26 18.5	0.986	1.971	10.4	17.1
7 20	20 36.28	−26 42.7	0.946	1.953	5.5	16.8
7 30	20 25.00	−26 56.4	0.927	1.936	4.7	16.7
8 9	20 13.91	−26 53.8	0.930	1.920	9.5	16.9
8 19	20 4.84	−26 33.2	0.954	1.904	14.9	17.1
8 29	19 59.26	−25 56.5	0.997	1.889	19.9	17.4
77561 2001 KS_{1}			7 27.5	336°.28	2°.4/25.9	18
6 20	20 46.42	−19 0.2	1.372	2.247	16.9	17.8
6 30	20 44.79	−20 14.2	1.290	2.229	13.1	17.6
7 10	20 40.43	−21 44.0	1.227	2.213	8.7	17.3
7 20	20 33.79	−23 23.2	1.187	2.197	4.0	16.9
7 30	20 25.85	−25 2.5	1.171	2.182	3.3	16.9
8 9	20 17.94	−26 32.4	1.179	2.168	8.0	17.1
8 19	20 11.42	−27 45.5	1.210	2.156	12.8	17.3
8 29	20 7.47	−28 38.0	1.262	2.145	17.1	17.6
50417 2000 DY_{6}			7 27.5	225°.17	0°.8/27.9	18
6 20	20 55.91	−15 29.8	1.936	2.765	14.6	20.8
6 30	20 51.14	−15 43.3	1.844	2.756	11.4	20.5
7 10	20 44.08	−16 6.5	1.774	2.746	7.7	20.3
7 20	20 35.22	−16 36.7	1.729	2.736	3.6	20.0
7 30	20 25.41	−17 10.5	1.711	2.725	1.2	19.8
8 9	20 15.69	−17 44.0	1.720	2.713	5.4	20.1
8 19	20 7.09	−18 13.9	1.756	2.701	9.5	20.3
8 29	20 0.51	−18 37.9	1.816	2.688	13.2	20.5
193611 2001 CQ_{12}			7 27.5	154°.75	0°.5/27.1	18
6 20	20 54.67	−18 19.4	2.456	3.281	12.0	21.1
6 30	20 49.56	−18 53.4	2.379	3.290	9.2	20.9
7 10	20 42.67	−19 33.5	2.325	3.298	6.1	20.7
7 20	20 34.48	−20 16.7	2.298	3.306	2.6	20.5
7 30	20 25.69	−20 59.3	2.299	3.313	1.1	20.4
8 9	20 17.09	−21 37.9	2.330	3.319	4.6	20.6
8 19	20 9.45	−22 10.0	2.389	3.325	7.8	20.9
8 29	20 3.41	−22 34.3	2.473	3.330	10.7	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
400879 2010 PU_{21}			7 27.5	33°.01	3°.2/29.3	18
	h m	° ′			°	m
6 20	20 51.21	−10 21.5	1.939	2.763	14.8	20.4
6 30	20 47.23	−10 1.9	1.868	2.771	11.8	20.2
7 10	20 41.28	− 9 53.6	1.818	2.780	8.4	20.0
7 20	20 33.91	− 9 56.2	1.792	2.789	5.0	19.8
7 30	20 25.90	−10 8.0	1.791	2.799	3.2	19.7
8 9	20 18.17	−10 26.4	1.818	2.809	5.4	19.9
8 19	20 11.57	−10 48.5	1.870	2.819	8.7	20.1
8 29	20 6.78	−11 11.3	1.946	2.830	11.9	20.3
319550 2006 RM_{106}			7 27.5	88°.36	0°.6/27.2	17
6 20	20 57.98	−18 53.8	1.522	2.371	16.9	21.5
6 30	20 52.97	−19 13.0	1.464	2.388	13.0	21.3
7 10	20 45.30	−19 40.3	1.426	2.404	8.6	21.1
7 20	20 35.70	−20 11.3	1.411	2.420	3.7	20.8
7 30	20 25.32	−20 41.1	1.422	2.436	1.5	20.7
8 9	20 15.46	−21 5.4	1.459	2.452	6.3	21.1
8 19	20 7.28	−21 21.7	1.522	2.467	10.7	21.3
8 29	20 1.63	−21 29.0	1.606	2.483	14.4	21.6
167904 2005 EP_{91}			7 27.5	294°.46	4°.0/25.8	18
6 20	20 58.95	−28 33.5	1.810	2.658	14.6	19.8
6 30	20 54.06	−28 50.0	1.707	2.629	11.6	19.6
7 10	20 46.35	−29 6.0	1.626	2.600	8.1	19.3
7 20	20 36.35	−29 16.0	1.569	2.571	4.8	19.0
7 30	20 25.04	−29 14.8	1.538	2.542	4.4	18.9
8 9	20 13.75	−28 58.7	1.533	2.512	7.7	19.1
8 19	20 3.82	−28 27.3	1.554	2.482	11.8	19.2
8 29	19 56.36	−27 42.5	1.597	2.453	15.6	19.4
60006 Holgermandel			7 27.5	33°.83	9°.9/22.2	18
6 20	20 59.56	−43 44.6	1.813	2.651	15.1	18.1
6 30	20 54.54	−44 56.1	1.768	2.662	12.8	18.0
7 10	20 46.48	−45 55.3	1.744	2.674	10.9	17.9
7 20	20 36.24	−46 33.8	1.742	2.687	9.9	17.9
7 30	20 25.15	−46 45.7	1.763	2.700	10.3	17.9
8 9	20 14.76	−46 29.0	1.808	2.713	11.8	18.1
8 19	20 6.36	−45 46.3	1.874	2.727	13.8	18.2
8 29	20 0.84	−44 42.8	1.959	2.742	15.8	18.4
523176 2016 TN_{99}			7 27.5	358°.98	6°.2/24.7	18
6 20	20 57.98	−34 8.9	1.762	2.614	14.8	20.8
6 30	20 53.13	−34 45.0	1.694	2.613	11.8	20.6
7 10	20 45.51	−35 16.1	1.647	2.612	8.8	20.5
7 20	20 35.85	−35 35.6	1.624	2.612	6.6	20.3
7 30	20 25.31	−35 37.9	1.625	2.612	6.6	20.3
8 9	20 15.23	−35 20.5	1.652	2.612	9.0	20.5
8 19	20 6.82	−34 44.1	1.703	2.613	12.1	20.7
8 29	20 0.99	−33 52.2	1.776	2.614	15.0	20.9
287899 2003 SL_{401}			7 27.5	333°.65	7°.2/ 1.5	17
6 20	20 47.71	+ 1 2.0	1.621	2.417	18.4	20.3
6 30	20 45.13	+ 1 2.6	1.535	2.408	15.6	20.1
7 10	20 40.27	+ 0 38.0	1.467	2.400	12.4	19.9
7 20	20 33.63	− 0 13.4	1.420	2.392	9.2	19.7
7 30	20 26.01	− 1 30.1	1.396	2.385	7.3	19.5
8 9	20 18.48	− 3 7.0	1.397	2.378	8.0	19.6
8 19	20 12.07	− 4 56.3	1.422	2.372	10.9	19.7
8 29	20 7.70	− 6 49.0	1.470	2.366	14.3	19.9
129569 1997 GJ_{21}			7 27.5	34°.35	10°.6/ 3.5	18
6 20	20 49.89	+ 6 47.0	1.632	2.393	19.6	19.4
6 30	20 46.60	+ 7 43.8	1.567	2.402	17.2	19.3
7 10	20 41.08	+ 8 15.2	1.519	2.412	14.6	19.1
7 20	20 33.90	+ 8 17.4	1.489	2.422	12.2	19.0
7 30	20 25.95	+ 7 49.4	1.482	2.433	10.7	19.0
8 9	20 18.27	+ 6 54.0	1.496	2.444	10.8	19.0
8 19	20 11.84	+ 5 37.3	1.534	2.456	12.4	19.1
8 29	20 7.45	+ 4 7.1	1.593	2.468	14.6	19.3
304487 2006 UJ_{113}			7 27.5	84°.59	5°.1/24.5	18
6 20	20 56.05	−31 43.5	2.064	2.911	13.2	20.8
6 30	20 51.21	−32 30.9	1.995	2.914	10.4	20.6
7 10	20 44.04	−33 16.0	1.950	2.917	7.5	20.4
7 20	20 35.17	−33 53.1	1.929	2.921	5.4	20.3
7 30	20 25.54	−34 17.1	1.935	2.924	5.5	20.3
8 9	20 16.23	−34 24.9	1.967	2.927	7.8	20.5
8 19	20 8.26	−34 16.2	2.024	2.931	10.6	20.6
8 29	20 2.44	−33 52.6	2.104	2.934	13.3	20.8
435162 2007 NM_{3}			7 27.5	32°.19	3°.4/28.6	16
6 20	20 56.93	−13 48.3	1.477	2.319	17.7	20.4
6 30	20 52.18	−12 53.1	1.413	2.328	14.0	20.2
7 10	20 44.79	−12 6.8	1.368	2.338	9.8	20.0
7 20	20 35.51	−11 30.0	1.346	2.348	5.5	19.7
7 30	20 25.44	−11 2.4	1.349	2.359	3.4	19.6
8 9	20 15.88	−10 42.8	1.378	2.371	6.6	19.9
8 19	20 7.94	−10 29.5	1.431	2.383	10.7	20.1
8 29	20 2.48	−10 20.4	1.506	2.395	14.5	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
67945 2000 WW_{152}			7 27.5 325°.79		2°.0/26.9 18	
	h m	° ′			°	m
6 20	20 52.42	−22 54.6	1.079	1.965	19.7	18.2
6 30	20 50.28	−22 50.7	0.998	1.943	15.5	17.9
7 10	20 44.54	−22 51.4	0.935	1.922	10.4	17.5
7 20	20 35.78	−22 52.4	0.891	1.901	4.8	17.2
7 30	20 25.28	−22 47.9	0.869	1.882	2.8	17.0
8 9	20 14.91	−22 33.6	0.868	1.864	8.6	17.2
8 19	20 6.50	−22 8.0	0.889	1.848	14.5	17.5
8 29	20 1.51	−21 32.0	0.927	1.833	19.7	17.7
139858 2001 RW_{61}			7 27.5 193°.97		1°.0/26.9 18	
6 20	20 52.81	−20 1.2	2.129	2.969	13.0	20.4
6 30	20 48.50	−20 30.9	2.048	2.969	10.1	20.2
7 10	20 42.19	−21 6.7	1.991	2.968	6.6	20.0
7 20	20 34.37	−21 45.0	1.959	2.967	2.9	19.7
7 30	20 25.81	−22 21.8	1.954	2.967	1.6	19.6
8 9	20 17.44	−22 53.5	1.976	2.966	5.2	19.9
8 19	20 10.13	−23 17.5	2.026	2.965	8.8	20.1
8 29	20 4.63	−23 32.5	2.099	2.964	12.0	20.3
260620 2005 GX_{48}			7 27.5 63°.31		1°.2/28.1 17	
6 20	20 55.47	−14 11.9	1.339	2.191	18.6	20.9
6 30	20 51.30	−14 29.3	1.285	2.208	14.5	20.7
7 10	20 44.33	−15 0.8	1.250	2.226	9.7	20.5
7 20	20 35.34	−15 42.7	1.236	2.244	4.6	20.2
7 30	20 25.52	−16 29.6	1.248	2.262	1.6	20.1
8 9	20 16.24	−17 15.5	1.284	2.280	6.4	20.4
8 19	20 8.72	−17 56.0	1.345	2.299	11.1	20.7
8 29	20 3.84	−18 28.0	1.427	2.317	15.1	21.0
81448 2000 GV_{123}			7 27.5 359°.96		3°.5/29.5 18	
6 20	20 46.98	− 8 51.8	1.209	2.067	19.8	17.6
6 30	20 45.21	− 9 8.1	1.141	2.064	15.9	17.3
7 10	20 40.64	− 9 47.1	1.090	2.063	11.3	17.1
7 20	20 33.87	−10 47.1	1.059	2.062	6.4	16.8
7 30	20 25.98	−12 3.0	1.051	2.063	3.5	16.6
8 9	20 18.35	−13 26.8	1.066	2.064	6.9	16.8
8 19	20 12.28	−14 49.7	1.104	2.067	11.8	17.1
8 29	20 8.84	−16 4.6	1.162	2.071	16.3	17.4
213572 2002 NC_9			7 27.5 352°.55		4°.2/25.5 17	
6 20	20 41.30	−22 15.7	0.875	1.787	20.6	18.7
6 30	20 41.94	−23 16.6	0.815	1.775	16.0	18.4
7 10	20 39.10	−24 30.7	0.772	1.765	10.7	18.0
7 20	20 33.37	−25 49.5	0.747	1.757	5.5	17.7
7 30	20 26.13	−27 1.2	0.742	1.752	5.1	17.7
8 9	20 19.25	−27 55.3	0.756	1.749	10.2	18.0
8 19	20 14.47	−28 25.7	0.788	1.748	15.7	18.3
8 29	20 13.11	−28 31.1	0.837	1.750	20.6	18.5
12022 Hilbert			7 27.5 219°.03		0°.4/27.7 18	
6 20	20 56.17	−16 25.4	1.723	2.562	15.7	19.6
6 30	20 51.60	−16 41.8	1.639	2.557	12.3	19.3
7 10	20 44.53	−17 8.1	1.576	2.551	8.2	19.1
7 20	20 35.49	−17 41.5	1.537	2.545	3.7	18.8
7 30	20 25.44	−18 17.6	1.524	2.538	1.2	18.6
8 9	20 15.56	−18 52.0	1.538	2.531	5.9	18.9
8 19	20 6.98	−19 21.1	1.577	2.524	10.3	19.2
8 29	20 0.65	−19 42.8	1.640	2.516	14.2	19.4
462217 2007 VQ_{260}			7 27.5 118°.89		8°.7/21.3 15	
6 20	21 4.42	−38 11.0	1.894	2.729	14.6	21.2
6 30	20 58.22	−40 13.0	1.850	2.750	12.0	21.1
7 10	20 48.99	−42 7.9	1.829	2.770	9.8	21.0
7 20	20 37.45	−43 45.4	1.833	2.790	8.7	20.9
7 30	20 24.82	−44 57.1	1.864	2.809	9.3	21.0
8 9	20 12.62	−45 39.0	1.920	2.827	11.2	21.2
8 19	20 2.23	−45 51.8	1.998	2.844	13.4	21.3
8 29	19 54.69	−45 40.0	2.097	2.860	15.5	21.5
215610 2003 SA_{83}			7 27.5 275°.47		2°.0/28.5 18	
6 20	20 53.85	−12 51.9	1.474	2.318	17.6	20.6
6 30	20 50.21	−12 59.9	1.391	2.309	14.0	20.3
7 10	20 43.84	−13 22.5	1.327	2.300	9.7	20.1
7 20	20 35.27	−13 57.9	1.286	2.291	4.9	19.8
7 30	20 25.51	−14 42.1	1.269	2.282	2.1	19.6
8 9	20 15.89	−15 29.8	1.277	2.273	6.4	19.8
8 19	20 7.67	−16 15.7	1.310	2.264	11.3	20.1
8 29	20 1.94	−16 55.7	1.364	2.255	15.6	20.3
12357 Toyako			7 27.5 290°.41		4°.0/30.5 18	R
6 20	20 48.86	− 5 8.6	2.294	3.091	13.6	17.8
6 30	20 45.31	− 5 12.2	2.201	3.083	11.1	17.6
7 10	20 40.03	− 5 30.3	2.128	3.074	8.3	17.5
7 20	20 33.43	− 6 2.5	2.080	3.066	5.5	17.3
7 30	20 26.15	− 6 47.2	2.058	3.058	4.0	17.2
8 9	20 18.95	− 7 41.2	2.063	3.050	5.3	17.2
8 19	20 12.55	− 8 40.5	2.095	3.042	8.1	17.4
8 29	20 7.65	− 9 40.8	2.152	3.034	11.1	17.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
441386 2008 FD_{13}			7 27.5 51°.02		7°.5/ 2.8 15	
	h m	° ′			°	m
6 20	20 49.28	+ 4 32.8	2.002	2.759	16.6	21.4
6 30	20 45.65	+ 4 45.1	1.938	2.778	14.2	21.3
7 10	20 40.21	+ 4 35.6	1.892	2.797	11.6	21.1
7 20	20 33.47	+ 4 3.2	1.868	2.816	9.2	21.0
7 30	20 26.17	+ 3 9.0	1.868	2.835	7.7	21.0
8 9	20 19.14	+ 1 57.2	1.893	2.855	7.9	21.0
8 19	20 13.16	+ 0 33.3	1.943	2.875	9.6	21.2
8 29	20 8.85	− 0 56.3	2.018	2.895	11.9	21.4
249527 2010 FQ_{91}			7 27.5 24°.96		0°.6/27.2 16	
6 20	20 50.89	−18 2.6	1.486	2.348	16.6	20.1
6 30	20 47.69	−18 33.6	1.425	2.356	12.8	19.9
7 10	20 41.95	−19 14.6	1.384	2.366	8.4	19.7
7 20	20 34.34	−20 1.3	1.366	2.376	3.6	19.4
7 30	20 25.89	−20 48.0	1.373	2.387	1.5	19.3
8 9	20 17.83	−21 29.4	1.405	2.399	6.2	19.6
8 19	20 11.27	−22 1.7	1.461	2.411	10.6	19.9
8 29	20 7.07	−22 23.2	1.539	2.424	14.4	20.2
406817 2008 WB_{105}			7 27.5 296°.44		1°.6/26.8 17	
6 20	20 55.55	−19 38.4	1.279	2.145	18.5	21.3
6 30	20 51.97	−20 15.7	1.208	2.141	14.4	21.1
7 10	20 45.21	−21 4.2	1.155	2.138	9.5	20.8
7 20	20 35.93	−21 58.2	1.125	2.135	4.2	20.5
7 30	20 25.34	−22 50.4	1.118	2.132	2.5	20.4
8 9	20 15.04	−23 33.7	1.136	2.128	7.7	20.7
8 19	20 6.53	−24 3.8	1.177	2.125	12.8	20.9
8 29	20 0.97	−24 19.3	1.238	2.122	17.3	21.2
164334 2005 BF_2			7 27.5 47°.84		0°.5/27.2 17	
6 20	20 51.44	−15 31.2	1.713	2.559	15.5	19.6
6 30	20 47.87	−16 33.7	1.643	2.565	12.0	19.3
7 10	20 42.00	−17 49.5	1.594	2.572	7.9	19.1
7 20	20 34.37	−19 13.5	1.570	2.579	3.4	18.9
7 30	20 25.87	−20 39.1	1.572	2.586	1.4	18.7
8 9	20 17.61	−21 59.3	1.601	2.593	5.9	19.1
8 19	20 10.61	−23 8.9	1.656	2.601	10.0	19.3
8 29	20 5.71	−24 4.7	1.734	2.608	13.6	19.6
142455 2002 TT_2			7 27.5 139°.22		4°.5/25.4 17	
6 20	20 58.89	−27 56.0	1.629	2.484	15.7	19.9
6 30	20 53.92	−28 40.5	1.562	2.487	12.2	19.7
7 10	20 46.12	−29 26.0	1.515	2.491	8.5	19.5
7 20	20 36.20	−30 5.7	1.493	2.494	5.2	19.3
7 30	20 25.29	−30 33.1	1.496	2.497	5.0	19.3
8 9	20 14.79	−30 44.2	1.525	2.500	8.1	19.5
8 19	20 5.97	−30 38.2	1.578	2.503	11.9	19.7
8 29	19 59.79	−30 16.9	1.653	2.505	15.3	19.9
55977 1998 RJ_{19}			7 27.5 349°.05		2°.0/26.7 18	
6 20	20 48.06	−20 23.5	1.078	1.967	19.4	18.7
6 30	20 46.62	−20 53.7	1.011	1.957	15.1	18.4
7 10	20 41.89	−21 35.2	0.961	1.949	10.0	18.1
7 20	20 34.53	−22 22.4	0.932	1.942	4.5	17.8
7 30	20 25.81	−23 7.8	0.924	1.937	2.8	17.7
8 9	20 17.40	−23 43.9	0.938	1.933	8.3	18.0
8 19	20 10.87	−24 6.1	0.973	1.931	13.7	18.3
8 29	20 7.45	−24 12.8	1.026	1.930	18.4	18.5
358222 2006 SA_{234}			7 27.5 296°.99		0°.2/27.4 18	
6 20	20 53.38	−18 47.7	1.993	2.834	13.8	21.5
6 30	20 49.09	−18 55.3	1.910	2.829	10.7	21.2
7 10	20 42.66	−19 9.2	1.848	2.825	7.1	21.0
7 20	20 34.63	−19 26.5	1.811	2.820	3.1	20.8
7 30	20 25.81	−19 44.1	1.801	2.816	1.1	20.6
8 9	20 17.19	−19 59.0	1.819	2.811	5.2	20.9
8 19	20 9.69	−20 9.0	1.862	2.807	9.1	21.1
8 29	20 4.11	−20 12.9	1.929	2.803	12.5	21.3
89735 Tommei			7 27.5 78°.17		1°.6/26.5 18	
6 20	20 52.31	−21 1.9	2.159	3.002	12.8	19.2
6 30	20 48.03	−21 44.3	2.092	3.014	9.8	19.0
7 10	20 41.82	−22 32.1	2.048	3.026	6.4	18.9
7 20	20 34.20	−23 21.0	2.030	3.038	2.9	18.7
7 30	20 25.97	−24 6.7	2.039	3.050	2.1	18.6
8 9	20 18.00	−24 45.3	2.076	3.062	5.3	18.9
8 19	20 11.11	−25 14.5	2.139	3.074	8.7	19.1
8 29	20 6.00	−25 33.3	2.226	3.086	11.6	19.3
69885 1998 SD_{100}			7 27.5 123°.95		8°.4/22.2 18	
6 20	21 2.94	−46 11.8	2.477	3.286	12.4	18.8
6 30	20 56.48	−47 1.2	2.417	3.288	10.7	18.7
7 10	20 47.48	−47 39.2	2.379	3.291	9.2	18.6
7 20	20 36.69	−47 59.7	2.365	3.294	8.4	18.5
7 30	20 25.18	−47 58.0	2.375	3.297	8.7	18.6
8 9	20 14.21	−47 32.8	2.411	3.299	9.9	18.6
8 19	20 4.85	−46 45.9	2.470	3.302	11.6	18.8
8 29	19 57.92	−45 41.3	2.551	3.304	13.3	18.9

511317 2014 DP_{118} 7 27.5 257°.48 3°.3/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 55.25	−25 37.9	2.005	2.853	13.5	21.6
6 30	20 50.77	−26 21.8	1.917	2.840	10.5	21.3
7 10	20 43.94	−27 9.0	1.851	2.827	7.1	21.1
7 20	20 35.27	−27 54.5	1.810	2.814	4.0	20.9
7 30	20 25.61	−28 32.8	1.795	2.800	3.8	20.9
8 9	20 16.05	−28 59.6	1.808	2.786	6.8	21.0
8 19	20 7.66	−29 12.7	1.847	2.772	10.4	21.2
8 29	20 1.34	−29 12.1	1.908	2.758	13.7	21.4

471508 2012 BT_{47} 7 27.5 95°.24 1°.7/28.4 16

6 20	20 56.34	−13 4.6	1.519	2.357	17.5	22.2
6 30	20 51.74	−13 19.2	1.457	2.372	13.7	22.0
7 10	20 44.56	−13 47.6	1.414	2.386	9.3	21.8
7 20	20 35.48	−14 26.8	1.395	2.400	4.6	21.5
7 30	20 25.58	−15 12.2	1.401	2.414	1.8	21.4
8 9	20 16.10	−15 58.5	1.433	2.428	6.0	21.7
8 19	20 8.17	−16 41.2	1.490	2.441	10.4	22.0
8 29	20 2.67	−17 17.1	1.570	2.454	14.3	22.2

476196 2007 UB_{43} 7 27.5 241°.30 1°.8/28.6 18

6 20	20 52.38	−12 36.2	2.088	2.912	13.9	21.9
6 30	20 48.22	−12 43.2	1.999	2.905	11.0	21.7
7 10	20 42.06	−13 0.7	1.932	2.899	7.6	21.5
7 20	20 34.38	−13 27.2	1.889	2.892	3.9	21.2
7 30	20 25.92	−14 0.0	1.873	2.886	1.9	21.1
8 9	20 17.58	−14 35.8	1.885	2.879	5.0	21.3
8 19	20 10.23	−15 11.1	1.924	2.872	8.6	21.5
8 29	20 4.62	−15 43.1	1.986	2.865	12.0	21.7

35978 Arlington 7 27.5 38°.43 1°.1/28.2 18

6 20	20 52.02	−13 3.7	1.187	2.050	19.8	17.8
6 30	20 49.09	−13 39.3	1.130	2.060	15.5	17.6
7 10	20 43.17	−14 33.5	1.091	2.070	10.4	17.3
7 20	20 34.97	−15 41.8	1.073	2.081	4.9	17.1
7 30	20 25.74	−16 56.9	1.079	2.093	1.6	16.9
8 9	20 16.98	−18 10.3	1.108	2.105	6.8	17.3
8 19	20 10.02	−19 15.1	1.160	2.118	12.0	17.6
8 29	20 5.87	−20 6.9	1.233	2.132	16.4	17.9

454853 2015 RG_{244} 7 27.5 221°.91 7°.0/ 3.7 18

6 20	20 48.92	+ 9 47.5	3.158	3.845	12.3	22.1
6 30	20 44.88	+ 9 59.9	3.056	3.836	10.9	21.9
7 10	20 39.53	+ 9 55.9	2.972	3.826	9.4	21.8
7 20	20 33.19	+ 9 34.0	2.911	3.815	8.0	21.7
7 30	20 26.33	+ 8 54.0	2.875	3.804	7.1	21.6
8 9	20 19.50	+ 7 57.5	2.865	3.793	7.1	21.6
8 19	20 13.25	+ 6 47.2	2.883	3.781	8.1	21.7
8 29	20 8.09	+ 5 27.4	2.925	3.769	9.6	21.7

183912 2004 CS_{100} 7 27.5 143°.67 1°.9/26.5 17

6 20	20 57.84	−21 40.2	1.832	2.675	14.7	20.9
6 30	20 52.67	−22 16.6	1.762	2.683	11.4	20.7
7 10	20 45.09	−22 58.5	1.714	2.691	7.5	20.5
7 20	20 35.71	−23 41.3	1.691	2.699	3.5	20.2
7 30	20 25.51	−24 19.5	1.695	2.706	2.4	20.2
8 9	20 15.65	−24 49.1	1.726	2.713	6.2	20.4
8 19	20 7.17	−25 7.8	1.783	2.719	10.1	20.7
8 29	20 0.92	−25 15.1	1.863	2.724	13.5	20.9

59869 1999 RC_{108} 7 27.5 282°.44 5°.0/30.8 18

6 20	20 50.07	− 3 43.1	2.276	3.064	13.9	19.0
6 30	20 46.25	− 3 21.5	2.183	3.056	11.6	18.8
7 10	20 40.67	− 3 13.7	2.112	3.049	8.9	18.6
7 20	20 33.75	− 3 20.4	2.064	3.041	6.4	18.5
7 30	20 26.15	− 3 40.9	2.042	3.034	5.0	18.4
8 9	20 18.63	− 4 13.2	2.047	3.026	6.0	18.4
8 19	20 11.95	− 4 54.0	2.078	3.018	8.6	18.6
8 29	20 6.79	− 5 39.5	2.133	3.011	11.3	18.7

121516 1999 UG_{11} 7 27.5 226°.62 2°.3/25.9 17

6 20	20 57.02	−27 54.5	3.258	4.079	9.4	20.1
6 30	20 51.08	−28 3.7	3.158	4.066	7.3	20.0
7 10	20 43.59	−28 11.6	3.083	4.052	5.0	19.8
7 20	20 34.96	−28 15.8	3.036	4.038	2.8	19.6
7 30	20 25.77	−28 13.8	3.020	4.023	2.5	19.6
8 9	20 16.72	−28 4.1	3.033	4.008	4.6	19.7
8 19	20 8.45	−27 46.4	3.075	3.992	7.0	19.9
8 29	20 1.54	−27 21.2	3.143	3.975	9.3	20.0

86225 1999 TV_{97} 7 27.5 272°.68 6°.2/ 1.4 18

6 20	20 48.83	+ 1 55.0	2.415	3.173	14.0	19.2
6 30	20 45.24	+ 2 5.6	2.315	3.160	12.0	19.0
7 10	20 39.99	+ 1 59.2	2.236	3.148	9.7	18.9
7 20	20 33.46	+ 1 34.5	2.179	3.135	7.5	18.7
7 30	20 26.25	+ 0 51.9	2.148	3.123	6.3	18.6
8 9	20 19.06	− 0 6.0	2.143	3.110	6.8	18.6
8 19	20 12.61	− 1 15.5	2.165	3.098	8.7	18.7
8 29	20 7.57	− 2 31.6	2.211	3.085	11.1	18.9

446135 2013 ET_{55} 7 27.5 61°.76 3°.8/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 49.42	− 5 25.1	2.238	3.036	13.8	21.3
6 30	20 45.71	− 5 32.3	2.156	3.040	11.3	21.1
7 10	20 40.27	− 5 54.1	2.096	3.044	8.4	20.9
7 20	20 33.56	− 6 29.8	2.060	3.048	5.5	20.7
7 30	20 26.23	− 7 17.3	2.051	3.052	3.8	20.6
8 9	20 19.06	− 8 13.1	2.069	3.056	5.2	20.7
8 19	20 12.77	− 9 13.0	2.113	3.061	8.0	20.9
8 29	20 8.02	−10 12.9	2.183	3.065	10.9	21.1

79657 1998 SR_{24} 7 27.5 357°.64 3°.0/29.1 18

6 20	20 40.02	−10 33.8	0.900	1.794	22.0	17.6
6 30	20 40.57	−10 47.6	0.840	1.785	17.6	17.3
7 10	20 37.98	−11 27.1	0.796	1.780	12.4	17.0
7 20	20 32.86	−12 30.7	0.769	1.776	6.6	16.7
7 30	20 26.44	−13 51.8	0.762	1.775	3.1	16.5
8 9	20 20.35	−15 19.9	0.775	1.777	7.6	16.7
8 19	20 16.10	−16 44.4	0.808	1.781	13.3	17.1
8 29	20 14.89	−17 56.4	0.858	1.787	18.4	17.4

500070 2011 VW_{15} 7 27.5 269°.68 0°.8/27.9 17

6 20	20 55.83	−15 51.6	1.358	2.212	18.3	22.2
6 30	20 52.10	−16 1.3	1.275	2.201	14.4	22.0
7 10	20 45.31	−16 23.7	1.211	2.189	9.8	21.7
7 20	20 36.04	−16 56.1	1.169	2.178	4.5	21.3
7 30	20 25.40	−17 33.6	1.152	2.166	1.4	21.1
8 9	20 14.87	−18 10.7	1.158	2.154	6.9	21.4
8 19	20 5.92	−18 42.5	1.189	2.142	12.2	21.7
8 29	19 59.75	−19 6.2	1.240	2.130	16.9	21.9

246335 2007 TJ_{244} 7 27.5 303°.61 5°.4/29.9 18

6 20	20 51.85	− 6 50.3	1.752	2.568	16.4	20.1
6 30	20 48.35	− 6 11.4	1.650	2.544	13.6	19.9
7 10	20 42.49	− 5 45.8	1.569	2.521	10.3	19.6
7 20	20 34.73	− 5 35.1	1.509	2.497	7.0	19.4
7 30	20 25.84	− 5 39.6	1.474	2.474	5.4	19.2
8 9	20 16.90	− 5 57.6	1.465	2.451	7.2	19.3
8 19	20 8.98	− 6 25.9	1.480	2.428	10.7	19.5
8 29	20 3.09	− 7 0.3	1.517	2.405	14.5	19.6

502878 2015 DQ_{211} 7 27.5 145°.80 4°.6/30.8 18

6 20	20 52.65	− 3 39.0	2.027	2.818	15.3	22.0
6 30	20 48.36	− 3 45.1	1.948	2.825	12.6	21.8
7 10	20 42.12	− 4 8.4	1.889	2.831	9.5	21.7
7 20	20 34.41	− 4 48.6	1.853	2.836	6.4	21.5
7 30	20 25.99	− 5 43.5	1.844	2.842	4.6	21.4
8 9	20 17.75	− 6 48.7	1.862	2.847	6.0	21.5
8 19	20 10.54	− 7 59.4	1.906	2.852	8.9	21.7
8 29	20 5.09	− 9 10.3	1.975	2.856	12.0	21.9

45843 2000 RL_{73} 7 27.6 31°.63 4°.7/29.8 18

6 20	20 52.35	− 7 52.5	1.231	2.076	20.3	19.1
6 30	20 49.26	− 7 42.5	1.168	2.081	16.4	18.9
7 10	20 43.27	− 7 53.4	1.121	2.087	11.9	18.7
7 20	20 35.06	− 8 24.9	1.095	2.093	7.3	18.4
7 30	20 25.78	− 9 13.6	1.092	2.099	4.7	18.3
8 9	20 16.88	−10 13.4	1.112	2.106	7.4	18.5
8 19	20 9.66	−11 17.1	1.155	2.114	11.9	18.8
8 29	20 5.14	−12 18.1	1.219	2.122	16.2	19.0

388623 2007 TA_{44} 7 27.6 302°.35 3°.7/25.4 18

6 20	20 54.17	−26 26.4	1.871	2.725	14.0	20.6
6 30	20 50.03	−27 13.0	1.793	2.720	10.9	20.4
7 10	20 43.49	−28 2.2	1.738	2.714	7.4	20.2
7 20	20 35.09	−28 48.6	1.706	2.709	4.4	20.0
7 30	20 25.76	−29 26.3	1.701	2.704	4.2	20.0
8 9	20 16.65	−29 51.0	1.722	2.699	7.2	20.2
8 19	20 8.83	−30 0.9	1.769	2.694	10.7	20.4
8 29	20 3.18	−29 56.3	1.837	2.690	14.0	20.6

143774 2003 WF_{43} 7 27.6 138°.83 2°.8/29.1 18

6 20	20 54.41	−10 6.9	1.574	2.404	17.3	20.2
6 30	20 50.33	−10 17.6	1.500	2.408	13.8	20.0
7 10	20 43.73	−10 44.6	1.445	2.411	9.7	19.7
7 20	20 35.21	−11 26.0	1.413	2.415	5.4	19.5
7 30	20 25.73	−12 18.2	1.407	2.418	2.9	19.4
8 9	20 16.51	−13 15.5	1.426	2.421	6.1	19.6
8 19	20 8.67	−14 12.7	1.471	2.423	10.4	19.8
8 29	20 3.12	−15 5.0	1.538	2.426	14.3	20.1

387980 2005 NZ_{26} 7 27.6 56°.93 0°.7/28.0 15

6 20	20 52.59	−14 12.4	1.775	2.613	15.3	21.3
6 30	20 48.46	−14 47.0	1.719	2.636	11.9	21.1
7 10	20 42.20	−15 33.1	1.684	2.658	7.9	20.9
7 20	20 34.42	−16 26.9	1.674	2.681	3.6	20.7
7 30	20 26.02	−17 23.7	1.690	2.705	1.1	20.6
8 9	20 18.02	−18 18.3	1.733	2.728	5.2	20.9
8 19	20 11.32	−19 6.8	1.802	2.751	9.1	21.2
8 29	20 6.63	−19 46.6	1.895	2.774	12.4	21.4

104110 2000 EA_{47} 7 27.6 129°.73 2°.4/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 55.67	−11 0.6	1.839	2.660	15.6	20.5
6 30	20 50.85	−11 6.6	1.767	2.670	12.3	20.3
7 10	20 43.82	−11 25.4	1.717	2.681	8.6	20.1
7 20	20 35.16	−11 55.3	1.690	2.691	4.7	19.9
7 30	20 25.76	−12 33.1	1.690	2.701	2.5	19.8
8 9	20 16.66	−13 14.8	1.717	2.710	5.4	20.0
8 19	20 8.81	−13 56.3	1.770	2.718	9.2	20.2
8 29	20 2.98	−14 34.4	1.847	2.727	12.7	20.5

515417 2013 HM_{88} 7 27.6 318°.87 2°.9/25.7 18

6 20	20 52.67	−26 0.6	2.178	3.025	12.5	21.5
6 30	20 48.49	−26 32.6	2.096	3.019	9.7	21.3
7 10	20 42.27	−27 6.4	2.037	3.014	6.6	21.1
7 20	20 34.50	−27 37.7	2.004	3.008	3.6	20.9
7 30	20 25.97	−28 2.4	1.997	3.003	3.3	20.9
8 9	20 17.64	−28 17.2	2.018	2.997	6.1	21.1
8 19	20 10.39	−28 20.7	2.064	2.992	9.3	21.3
8 29	20 4.98	−28 13.1	2.134	2.987	12.3	21.5

70349 1999 RV_{180} 7 27.6 242°.14 1°.2/26.9 18 R

6 20	20 56.81	−19 37.2	1.819	2.660	14.9	19.9
6 30	20 52.20	−20 13.2	1.725	2.646	11.6	19.6
7 10	20 45.05	−20 57.8	1.653	2.631	7.7	19.3
7 20	20 35.85	−21 46.9	1.606	2.615	3.4	19.0
7 30	20 25.51	−22 35.1	1.586	2.599	1.9	18.9
8 9	20 15.18	−23 17.1	1.592	2.582	6.3	19.2
8 19	20 6.05	−23 49.2	1.625	2.564	10.6	19.4
8 29	19 59.13	−24 9.9	1.680	2.546	14.4	19.6

250759 2005 SD_{217} 7 27.6 252°.22 4°.8/30.9 18

6 20	20 50.34	− 2 45.0	2.543	3.319	13.0	20.9
6 30	20 46.31	− 2 28.2	2.442	3.306	10.8	20.7
7 10	20 40.67	− 2 24.7	2.362	3.293	8.4	20.5
7 20	20 33.78	− 2 34.9	2.306	3.279	6.1	20.4
7 30	20 26.22	− 2 58.4	2.277	3.265	4.9	20.3
8 9	20 18.69	− 3 33.2	2.275	3.251	5.8	20.3
8 19	20 11.88	− 4 16.5	2.300	3.237	8.0	20.4
8 29	20 6.43	− 5 4.5	2.351	3.223	10.6	20.6

110585 2001 TZ_{121} 7 27.6 16°.62 2°.9/28.7 18

6 20	20 54.25	−13 28.0	1.699	2.535	16.0	19.0
6 30	20 49.93	−12 48.0	1.626	2.538	12.7	18.8
7 10	20 43.30	−12 16.8	1.574	2.542	8.9	18.6
7 20	20 34.96	−11 54.3	1.545	2.547	4.9	18.4
7 30	20 25.86	−11 39.6	1.542	2.552	2.9	18.3
8 9	20 17.10	−11 31.0	1.565	2.558	5.9	18.5
8 19	20 9.67	−11 26.8	1.614	2.565	9.8	18.7
8 29	20 4.39	−11 24.7	1.685	2.571	13.3	19.0

314065 2005 BP_{6} 7 27.6 168°.40 1°.3/27.0 17

6 20	21 0.31	−21 35.1	1.620	2.466	16.2	20.9
6 30	20 54.92	−21 43.6	1.546	2.468	12.6	20.7
7 10	20 46.76	−21 56.8	1.493	2.471	8.3	20.4
7 20	20 36.54	−22 10.7	1.464	2.473	3.7	20.1
7 30	20 25.35	−22 21.0	1.461	2.474	2.0	20.0
8 9	20 14.54	−22 24.2	1.485	2.475	6.5	20.3
8 19	20 5.34	−22 19.0	1.533	2.476	10.9	20.6
8 29	19 58.69	−22 5.6	1.605	2.476	14.7	20.8

469911 2005 YR_{51} 7 27.6 140°.89 3°.5/29.2 17

6 20	20 56.81	−10 24.0	1.949	2.761	15.1	21.7
6 30	20 51.60	− 9 52.9	1.871	2.767	12.1	21.5
7 10	20 44.27	− 9 32.2	1.815	2.773	8.7	21.3
7 20	20 35.36	− 9 21.8	1.783	2.779	5.2	21.1
7 30	20 25.74	− 9 20.7	1.778	2.785	3.5	21.0
8 9	20 16.39	− 9 27.0	1.801	2.790	5.7	21.2
8 19	20 8.24	− 9 38.1	1.850	2.795	9.2	21.4
8 29	20 2.04	− 9 51.6	1.923	2.799	12.4	21.6

137993 2000 CH_{66} 7 27.6 164°.09 1°.9/26.5 18

6 20	20 56.70	−21 8.1	1.802	2.647	14.9	20.7
6 30	20 51.93	−21 52.6	1.728	2.651	11.5	20.5
7 10	20 44.71	−22 43.9	1.676	2.654	7.6	20.3
7 20	20 35.63	−23 37.1	1.649	2.657	3.5	20.0
7 30	20 25.64	−24 26.4	1.648	2.659	2.5	20.0
8 9	20 15.91	−25 6.8	1.675	2.661	6.3	20.2
8 19	20 7.52	−25 35.5	1.727	2.663	10.3	20.5
8 29	20 1.36	−25 51.6	1.802	2.664	13.8	20.7

397592 2007 VF_{46} 7 27.6 218°.83 3°.2/29.6 18

6 20	20 53.26	− 8 36.2	2.473	3.270	12.7	21.7
6 30	20 48.57	− 8 22.8	2.376	3.262	10.3	21.5
7 10	20 42.16	− 8 19.4	2.302	3.254	7.5	21.3
7 20	20 34.43	− 8 26.0	2.253	3.245	4.7	21.1
7 30	20 26.03	− 8 41.2	2.232	3.236	3.2	21.0
8 9	20 17.71	− 9 3.2	2.239	3.226	4.9	21.1
8 19	20 10.20	− 9 29.3	2.273	3.216	7.8	21.3
8 29	20 4.17	− 9 56.9	2.333	3.205	10.7	21.4

387917 2004 YH_{22} 7 27.6 241°.53 1°.4/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 54.30	−19 29.3	2.306	3.139	12.4	22.0
6 30	20 49.76	−20 25.3	2.206	3.122	9.6	21.8
7 10	20 43.18	−21 29.6	2.129	3.105	6.4	21.6
7 20	20 34.98	−22 38.3	2.079	3.087	2.9	21.3
7 30	20 25.83	−23 46.3	2.057	3.069	2.0	21.2
8 9	20 16.64	−24 48.5	2.064	3.050	5.4	21.4
8 19	20 8.32	−25 41.1	2.099	3.030	9.0	21.6
8 29	20 1.68	−26 22.1	2.158	3.010	12.2	21.8

215165 2000 CG_{22} 7 27.6 134°.78 0°.1/27.6 17

6 20	20 55.82	−18 7.1	2.383	3.207	12.3	21.0
6 30	20 50.47	−18 16.3	2.309	3.220	9.5	20.8
7 10	20 43.32	−18 30.7	2.259	3.232	6.3	20.6
7 20	20 34.89	−18 48.0	2.235	3.243	2.8	20.4
7 30	20 25.91	−19 5.5	2.240	3.254	0.9	20.3
8 9	20 17.21	−19 20.8	2.273	3.265	4.5	20.5
8 19	20 9.53	−19 32.0	2.334	3.275	7.8	20.8
8 29	20 3.52	−19 38.2	2.421	3.284	10.6	21.0

478678 2012 TA_{295} 7 27.6 289°.18 1°.7/28.4 18

6 20	20 53.04	−13 53.7	1.814	2.649	15.2	21.8
6 30	20 49.25	−13 53.6	1.714	2.627	12.1	21.6
7 10	20 43.08	−14 4.2	1.634	2.605	8.3	21.3
7 20	20 35.01	−14 24.0	1.577	2.583	4.2	21.0
7 30	20 25.83	−14 50.5	1.547	2.560	1.8	20.8
8 9	20 16.62	−15 20.1	1.543	2.538	5.7	21.0
8 19	20 8.48	−15 49.1	1.565	2.516	10.0	21.2
8 29	20 2.36	−16 14.6	1.609	2.493	14.0	21.4

230331 2002 CC_{109} 7 27.6 188°.68 0°.4/27.3 18

6 20	20 54.73	−17 43.2	2.059	2.893	13.7	21.6
6 30	20 50.10	−18 14.4	1.977	2.893	10.6	21.4
7 10	20 43.36	−18 53.6	1.917	2.892	7.0	21.1
7 20	20 35.02	−19 37.7	1.882	2.890	3.1	20.9
7 30	20 25.87	−20 22.3	1.875	2.889	1.2	20.7
8 9	20 16.89	−21 3.2	1.895	2.887	5.2	21.0
8 19	20 9.00	−21 37.3	1.943	2.884	9.0	21.2
8 29	20 2.99	−22 2.8	2.014	2.881	12.3	21.5

178838 2001 HA_{21} 7 27.6 130°.77 1°.8/26.6 17

6 20	20 58.59	−21 33.9	1.759	2.603	15.2	20.7
6 30	20 53.33	−22 9.5	1.693	2.614	11.7	20.5
7 10	20 45.58	−22 50.7	1.648	2.625	7.7	20.3
7 20	20 35.99	−23 32.7	1.628	2.636	3.5	20.1
7 30	20 25.59	−24 10.0	1.635	2.646	2.4	20.0
8 9	20 15.58	−24 38.4	1.669	2.656	6.3	20.3
8 19	20 7.03	−24 55.8	1.728	2.665	10.2	20.6
8 29	20 0.80	−25 1.8	1.811	2.673	13.7	20.8

250757 2005 SS_{215} 7 27.6 334°.82 5°.5/24.7 18

6 20	20 54.28	−31 39.8	1.780	2.639	14.4	20.1
6 30	20 50.38	−32 20.9	1.703	2.628	11.4	19.9
7 10	20 43.86	−33 0.1	1.647	2.618	8.3	19.7
7 20	20 35.32	−33 31.0	1.615	2.609	5.9	19.5
7 30	20 25.79	−33 47.8	1.608	2.600	6.0	19.5
8 9	20 16.54	−33 46.8	1.626	2.592	8.6	19.6
8 19	20 8.73	−33 27.5	1.668	2.585	11.8	19.8
8 29	20 3.33	−32 52.1	1.731	2.578	15.0	20.0

18388 1992 GX_{4} 7 27.6 77°.03 3°.4/26.1 18

6 20	20 58.31	−23 58.3	1.353	2.217	17.8	17.9
6 30	20 53.81	−24 42.3	1.296	2.228	13.7	17.7
7 10	20 46.23	−25 31.4	1.259	2.239	9.1	17.5
7 20	20 36.36	−26 18.6	1.243	2.250	4.7	17.2
7 30	20 25.48	−26 56.6	1.253	2.262	4.0	17.2
8 9	20 15.17	−27 20.2	1.288	2.273	8.0	17.5
8 19	20 6.77	−27 27.7	1.345	2.284	12.4	17.8
8 29	20 1.27	−27 20.1	1.424	2.295	16.2	18.0

101329 1998 SZ_{162} 7 27.6 318°.95 6°.9/ 1.4 18

6 20	20 48.27	+ 1 37.8	2.190	2.958	15.0	19.7
6 30	20 44.99	+ 2 3.8	2.097	2.948	12.9	19.5
7 10	20 39.94	+ 2 12.4	2.024	2.939	10.5	19.3
7 20	20 33.52	+ 2 1.8	1.973	2.929	8.2	19.2
7 30	20 26.39	+ 1 32.0	1.947	2.920	6.9	19.1
8 9	20 19.32	+ 0 45.1	1.946	2.912	7.4	19.1
8 19	20 13.08	− 0 15.0	1.970	2.903	9.4	19.2
8 29	20 8.37	− 1 23.2	2.018	2.895	11.9	19.4

188851 2006 SJ_{97} 7 27.6 205°.13 1°.0/27.0 17

6 20	20 57.26	−19 42.0	1.859	2.699	14.7	22.0
6 30	20 52.34	−20 8.0	1.776	2.695	11.4	21.8
7 10	20 45.01	−20 41.1	1.714	2.690	7.6	21.6
7 20	20 35.81	−21 17.4	1.677	2.686	3.3	21.3
7 30	20 25.65	−21 52.3	1.667	2.680	1.7	21.2
8 9	20 15.67	−22 21.5	1.684	2.674	5.9	21.4
8 19	20 6.96	−22 42.4	1.727	2.668	10.0	21.7
8 29	20 0.41	−22 53.7	1.794	2.661	13.6	21.9

346489 2008 UN_{52} 7 27.6 13°.04 5°.1/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 53.89	−27 56.8	1.510	2.377	16.1	19.9
6 30	20 50.34	−28 56.0	1.446	2.379	12.5	19.7
7 10	20 43.94	−29 57.1	1.403	2.381	8.7	19.5
7 20	20 35.39	−30 52.6	1.384	2.384	5.6	19.3
7 30	20 25.81	−31 35.2	1.389	2.388	5.6	19.4
8 9	20 16.62	−31 59.8	1.418	2.392	8.8	19.5
8 19	20 9.08	−32 4.8	1.470	2.397	12.5	19.8
8 29	20 4.18	−31 51.8	1.544	2.402	15.9	20.0

75765 2000 AT_{184} 7 27.6 257°.02 2°.5/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.72	− 9 47.0	1.770	2.593	16.0	19.3
6 30	20 49.82	−10 8.9	1.672	2.576	12.9	19.0
7 10	20 43.51	−10 47.3	1.595	2.559	9.1	18.8
7 20	20 35.24	−11 41.0	1.540	2.542	5.0	18.5
7 30	20 25.82	−12 46.2	1.512	2.524	2.6	18.3
8 9	20 16.36	−13 57.5	1.511	2.505	5.8	18.5
8 19	20 7.95	−15 9.0	1.536	2.486	10.2	18.7
8 29	20 1.62	−16 15.4	1.584	2.467	14.2	18.9

46536 1981 EJ_{40} 7 27.6 285°.51 13°.1/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 23.87	−56 46.6	2.169	2.926	15.5	19.2
6 30	21 14.62	−57 51.7	2.083	2.895	14.3	19.0
7 10	21 0.65	−58 39.2	2.015	2.863	13.4	18.9
7 20	20 42.91	−58 57.5	1.968	2.830	13.1	18.8
7 30	20 23.41	−58 36.8	1.944	2.797	13.5	18.8
8 9	20 4.77	−57 34.2	1.942	2.764	14.7	18.8
8 19	19 49.28	−55 53.4	1.961	2.730	16.3	18.8
8 29	19 38.33	−53 43.5	1.999	2.696	18.1	18.9

509749 2008 TC_{83} 7 27.6 183°.96 0°.8/27.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.09	−19 57.7	2.140	2.973	13.2	22.4
6 30	20 51.05	−20 15.0	2.058	2.974	10.2	22.2
7 10	20 43.94	−20 37.6	1.998	2.974	6.8	22.0
7 20	20 35.28	−21 2.3	1.965	2.973	3.0	21.7
7 30	20 25.87	−21 25.7	1.959	2.972	1.4	21.6
8 9	20 16.66	−21 44.5	1.981	2.971	5.2	21.9
8 19	20 8.57	−21 56.7	2.030	2.969	8.8	22.1
8 29	20 2.35	−22 1.6	2.103	2.967	12.0	22.3

274055 2007 TW_{18} 7 27.6 331°.91 16°.8/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 19.40	−49 42.0	1.007	1.852	23.9	19.9
6 30	21 13.11	−50 46.4	0.955	1.848	21.1	19.7
7 10	21 0.46	−51 26.6	0.918	1.844	18.6	19.5
7 20	20 42.88	−51 24.0	0.898	1.840	17.0	19.4
7 30	20 23.52	−50 24.6	0.896	1.837	17.0	19.4
8 9	20 6.16	−48 28.2	0.913	1.835	18.8	19.5
8 19	19 53.54	−45 47.4	0.948	1.832	21.5	19.6
8 29	19 46.83	−42 40.3	1.000	1.831	24.5	19.9

326129 2012 AM_{14} 7 27.6 105°.36 0°.5/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.19	−18 31.2	2.496	3.328	11.6	20.8
6 30	20 46.95	−19 3.5	2.422	3.337	8.9	20.6
7 10	20 41.06	−19 41.8	2.371	3.346	5.9	20.5
7 20	20 33.96	−20 23.1	2.346	3.355	2.5	20.3
7 30	20 26.30	−21 4.0	2.350	3.363	1.1	20.2
8 9	20 18.84	−21 41.2	2.381	3.372	4.4	20.4
8 19	20 12.27	−22 12.4	2.441	3.380	7.5	20.6
8 29	20 7.19	−22 36.2	2.525	3.388	10.3	20.8

90998 1998 BU 7 27.6 98°.20 2°.1/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.35	−23 7.1	1.836	2.679	14.7	19.4
6 30	20 52.95	−23 35.3	1.776	2.697	11.3	19.2
7 10	20 45.21	−24 6.9	1.738	2.715	7.4	19.0
7 20	20 35.81	−24 37.3	1.725	2.732	3.5	18.8
7 30	20 25.73	−25 2.0	1.739	2.749	2.6	18.8
8 9	20 16.12	−25 17.5	1.780	2.766	6.1	19.0
8 19	20 7.96	−25 22.6	1.847	2.783	9.8	19.3
8 29	20 2.04	−25 17.6	1.938	2.799	13.0	19.5

508953 2004 TD_{44} 7 27.6 324°.44 6°.4/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 49.71	− 5 29.4	1.450	2.279	18.6	21.4
6 30	20 47.08	− 4 49.9	1.363	2.263	15.5	21.1
7 10	20 41.86	− 4 27.9	1.294	2.247	11.9	20.8
7 20	20 34.55	− 4 25.9	1.245	2.232	8.3	20.6
7 30	20 26.07	− 4 44.0	1.219	2.218	6.4	20.5
8 9	20 17.62	− 5 19.4	1.217	2.204	8.1	20.5
8 19	20 10.44	− 6 7.3	1.238	2.191	11.8	20.7
8 29	20 5.59	− 7 1.6	1.279	2.179	15.8	20.9

5584 Izenberg 7 27.6 55°.69 7°.9/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.31	+ 1 49.3	1.701	2.482	18.2	17.1
6 30	20 47.64	+ 2 19.4	1.635	2.494	15.5	16.9
7 10	20 41.80	+ 2 27.1	1.586	2.506	12.5	16.7
7 20	20 34.37	+ 2 10.8	1.558	2.518	9.6	16.6
7 30	20 26.19	+ 1 30.9	1.553	2.530	8.0	16.5
8 9	20 18.30	+ 0 31.4	1.573	2.543	8.5	16.6
8 19	20 11.63	− 0 42.0	1.617	2.555	10.7	16.8
8 29	20 6.95	− 2 2.1	1.685	2.568	13.5	17.0

478550 2012 TR_{34} 7 27.6 275°.14 0°.3/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 54.90	−17 18.4	1.952	2.788	14.2	21.8
6 30	20 50.57	−17 25.5	1.850	2.766	11.2	21.5
7 10	20 43.92	−17 40.4	1.769	2.743	7.5	21.3
7 20	20 35.40	−18 0.7	1.713	2.721	3.4	21.0
7 30	20 25.82	−18 23.3	1.683	2.697	1.1	20.7
8 9	20 16.22	−18 44.6	1.681	2.674	5.5	21.0
8 19	20 7.65	−19 1.8	1.704	2.650	9.7	21.2
8 29	20 1.06	−19 13.2	1.752	2.626	13.5	21.4

146882 2002 CV_{21} 7 27.6 206°.14 0°.3/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.95	−16 29.3	2.502	3.327	11.8	20.8
6 30	20 47.59	−16 46.5	2.414	3.324	9.2	20.6
7 10	20 41.52	−17 10.6	2.349	3.321	6.1	20.4
7 20	20 34.20	−17 39.4	2.310	3.318	2.8	20.2
7 30	20 26.24	−18 9.9	2.300	3.314	0.8	20.0
8 9	20 18.41	−18 39.4	2.318	3.310	4.3	20.3
8 19	20 11.43	−19 5.5	2.363	3.306	7.5	20.5
8 29	20 5.93	−19 26.5	2.433	3.302	10.4	20.7

376690 2013 QG_{68} 7 27.6 289°.19 2°.9/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.06	−10 1.9	1.496	2.334	17.7	21.2
6 30	20 48.89	−10 15.7	1.408	2.321	14.2	21.0
7 10	20 43.08	−10 47.6	1.339	2.307	10.1	20.7
7 20	20 35.10	−11 36.4	1.292	2.294	5.6	20.4
7 30	20 25.91	−12 38.2	1.269	2.281	2.9	20.2
8 9	20 16.74	−13 47.0	1.272	2.268	6.4	20.4
8 19	20 8.86	−14 56.2	1.299	2.255	11.2	20.6
8 29	20 3.35	−16 0.0	1.348	2.242	15.5	20.9

250715 2005 SO_{7} 7 27.6 351°.06 3°.7/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 49.27	− 8 49.1	1.761	2.589	15.9	20.6
6 30	20 46.16	− 8 37.3	1.680	2.585	12.8	20.3
7 10	20 40.91	− 8 39.9	1.619	2.581	9.3	20.1
7 20	20 34.01	− 8 56.3	1.581	2.578	5.7	19.9
7 30	20 26.29	− 9 25.0	1.568	2.575	3.7	19.8
8 9	20 18.75	−10 2.2	1.580	2.573	5.9	19.9
8 19	20 12.32	−10 43.8	1.618	2.571	9.5	20.1
8 29	20 7.81	−11 25.7	1.678	2.570	13.1	20.3

107708 2001 FD_{19} 7 27.6 150°.17 0°.1/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.45	−18 2.6	2.107	2.939	13.5	20.2
6 30	20 50.52	−18 12.2	2.030	2.944	10.4	20.0
7 10	20 43.56	−18 28.0	1.975	2.949	6.9	19.8
7 20	20 35.11	−18 47.6	1.945	2.954	3.1	19.6
7 30	20 25.96	−19 7.7	1.943	2.958	1.0	19.4
8 9	20 17.07	−19 25.4	1.969	2.962	4.9	19.7
8 19	20 9.31	−19 38.6	2.022	2.965	8.6	20.0
8 29	20 3.39	−19 46.1	2.099	2.969	11.8	20.2

175506 2006 SO_{2} 7 27.6 266°.47 0°.4/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.73	−16 43.6	2.079	2.913	13.5	20.9
6 30	20 48.57	−16 55.9	1.992	2.907	10.5	20.7
7 10	20 42.37	−17 16.1	1.926	2.901	7.1	20.5
7 20	20 34.63	−17 41.7	1.886	2.894	3.2	20.2
7 30	20 26.10	−18 9.5	1.873	2.888	1.0	20.0
8 9	20 17.71	−18 36.2	1.887	2.881	5.0	20.3
8 19	20 10.35	−18 59.2	1.928	2.874	8.7	20.5
8 29	20 4.79	−19 16.4	1.993	2.868	12.1	20.7

439320 2012 VM_{102} 7 27.6 339°.74 3°.5/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.45	−25 14.3	1.585	2.449	15.6	20.8
6 30	20 49.89	−25 54.7	1.511	2.443	12.1	20.6
7 10	20 43.63	−26 39.0	1.457	2.437	8.2	20.3
7 20	20 35.28	−27 21.5	1.427	2.432	4.5	20.1
7 30	20 25.89	−27 55.8	1.421	2.428	4.1	20.1
8 9	20 16.76	−28 17.0	1.441	2.424	7.6	20.3
8 19	20 9.12	−28 23.2	1.485	2.421	11.7	20.5
8 29	20 3.96	−28 14.7	1.550	2.418	15.3	20.7

417989 2007 TN_{275} 7 27.6 319°.88 5°.8/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.95	−26 37.2	1.160	2.044	18.7	20.5
6 30	20 50.67	−27 43.6	1.086	2.029	14.7	20.2
7 10	20 44.85	−28 57.0	1.031	2.014	10.3	19.9
7 20	20 36.07	−30 8.2	0.996	2.000	6.4	19.7
7 30	20 25.60	−31 6.4	0.983	1.986	6.5	19.7
8 9	20 15.30	−31 43.0	0.993	1.973	10.6	19.8
8 19	20 6.94	−31 54.3	1.024	1.961	15.4	20.1
8 29	20 1.95	−31 41.7	1.072	1.950	19.9	20.3

262144 2006 SO_{71} 7 27.6 243°.97 1°.7/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.30	−21 15.6	1.832	2.675	14.7	21.3
6 30	20 52.61	−21 48.9	1.739	2.661	11.5	21.0
7 10	20 45.36	−22 29.2	1.668	2.646	7.6	20.8
7 20	20 36.07	−23 12.0	1.622	2.630	3.5	20.5
7 30	20 25.65	−23 52.0	1.602	2.614	2.3	20.4
8 9	20 15.27	−24 24.2	1.610	2.597	6.4	20.6
8 19	20 6.11	−24 45.8	1.643	2.580	10.6	20.8
8 29	19 59.18	−24 55.6	1.699	2.563	14.4	21.0

342874 2008 YP_{42} 7 27.6 31°.80 5°.6/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 54.79	− 8 3.3	1.542	2.367	17.9	19.8
6 30	20 50.52	− 7 3.7	1.476	2.375	14.6	19.6
7 10	20 43.80	− 6 17.9	1.429	2.384	10.8	19.4
7 20	20 35.27	− 5 47.4	1.405	2.394	7.3	19.3
7 30	20 25.95	− 5 32.7	1.405	2.404	5.6	19.2
8 9	20 17.02	− 5 31.9	1.430	2.415	7.4	19.3
8 19	20 9.54	− 5 42.0	1.479	2.426	10.8	19.6
8 29	20 4.34	− 5 59.1	1.550	2.438	14.2	19.8

185340 2006 VT_{37} 7 27.6 251°.46 1°.4/26.5 18

6 20	20 52.76	−20 48.9	2.422	3.257	11.8	21.1
6 30	20 48.46	−21 30.6	2.324	3.242	9.2	20.9
7 10	20 42.27	−22 18.3	2.250	3.226	6.1	20.7
7 20	20 34.61	−23 8.5	2.202	3.210	2.8	20.4
7 30	20 26.13	−23 57.1	2.183	3.194	1.9	20.3
8 9	20 17.68	−24 40.0	2.191	3.177	5.1	20.5
8 19	20 10.06	−25 14.5	2.227	3.160	8.5	20.7
8 29	20 4.04	−25 39.0	2.288	3.143	11.5	20.9

300671 2007 VE_{7} 7 27.6 263°.55 6°.2/31.3 18

6 20	20 51.43	− 1 33.3	2.057	2.840	15.4	20.8
6 30	20 47.52	− 1 2.5	1.969	2.834	13.0	20.6
7 10	20 41.67	− 0 47.7	1.901	2.829	10.2	20.4
7 20	20 34.34	− 0 50.5	1.855	2.824	7.6	20.2
7 30	20 26.23	− 1 10.7	1.834	2.819	6.2	20.2
8 9	20 18.23	− 1 46.2	1.840	2.814	7.1	20.2
8 19	20 11.17	− 2 33.2	1.871	2.808	9.5	20.3
8 29	20 5.81	− 3 26.9	1.926	2.803	12.3	20.5

264824 2002 PR_{161} 7 27.6 303°.34 0°.4/27.4 17

6 20	20 52.61	−17 39.7	1.382	2.244	17.6	20.6
6 30	20 49.75	−18 3.1	1.291	2.222	13.8	20.3
7 10	20 43.92	−18 39.0	1.219	2.200	9.3	20.0
7 20	20 35.59	−19 24.0	1.168	2.178	4.1	19.6
7 30	20 25.78	−20 12.3	1.142	2.157	1.5	19.4
8 9	20 15.92	−20 57.4	1.140	2.135	7.1	19.7
8 19	20 7.48	−21 34.1	1.162	2.115	12.5	19.9
8 29	20 1.73	−21 59.4	1.203	2.094	17.2	20.1

148429 2000 WM_{165} 7 27.6 254°.91 0°.3/27.8 18

6 20	20 51.08	−15 22.0	2.474	3.298	11.9	20.6
6 30	20 47.06	−15 55.5	2.374	3.284	9.3	20.4
7 10	20 41.29	−16 38.0	2.298	3.270	6.2	20.2
7 20	20 34.16	−17 27.0	2.248	3.255	2.8	19.9
7 30	20 26.29	−18 19.1	2.226	3.241	0.8	19.7
8 9	20 18.43	−19 10.4	2.233	3.226	4.4	20.0
8 19	20 11.35	−19 57.7	2.267	3.210	7.8	20.2
8 29	20 5.74	−20 38.5	2.327	3.195	10.9	20.3

208488 2001 VT_{63} 7 27.6 269°.91 5°.9/29.9 17

6 20	20 55.99	− 7 9.6	1.386	2.213	19.4	20.3
6 30	20 51.94	− 6 24.3	1.310	2.211	15.9	20.1
7 10	20 45.07	− 5 55.6	1.253	2.209	11.9	19.8
7 20	20 35.98	− 5 45.2	1.216	2.207	8.0	19.6
7 30	20 25.75	− 5 52.9	1.203	2.204	5.9	19.5
8 9	20 15.75	− 6 15.8	1.214	2.202	8.0	19.6
8 19	20 7.28	− 6 49.5	1.249	2.200	12.0	19.8
8 29	20 1.41	− 7 28.4	1.304	2.197	16.0	20.1

288304 2004 BS_{22} 7 27.6 213°.25 0°.4/27.4 18

6 20	20 54.39	−18 57.3	2.195	3.028	12.9	21.2
6 30	20 49.74	−19 11.9	2.109	3.025	10.0	21.0
7 10	20 43.10	−19 32.3	2.046	3.021	6.6	20.8
7 20	20 34.97	−19 55.8	2.008	3.016	2.9	20.5
7 30	20 26.09	−20 19.2	1.998	3.012	1.1	20.4
8 9	20 17.37	−20 39.3	2.015	3.007	4.9	20.6
8 19	20 9.68	−20 54.1	2.060	3.002	8.5	20.8
8 29	20 3.75	−21 2.4	2.129	2.997	11.7	21.0

173890 2001 UM_{90} 7 27.6 256°.68 0°.6/27.9 18

6 20	20 52.03	−15 43.5	2.181	3.012	13.1	21.4
6 30	20 47.95	−16 0.6	2.093	3.006	10.2	21.1
7 10	20 41.95	−16 26.3	2.026	2.999	6.9	20.9
7 20	20 34.47	−16 58.1	1.985	2.992	3.2	20.7
7 30	20 26.24	−17 33.0	1.971	2.985	1.0	20.5
8 9	20 18.13	−18 7.4	1.984	2.978	4.7	20.8
8 19	20 10.96	−18 38.4	2.025	2.971	8.4	21.0
8 29	20 5.49	−19 3.8	2.089	2.963	11.7	21.2

100590 1997 NP_{1} 7 27.6 177°.37 2°.0/29.5 18

6 20	20 54.27	− 6 19.2	2.340	3.129	13.6	19.7
6 30	20 49.54	− 7 36.6	2.247	3.131	10.9	19.5
7 10	20 42.94	− 9 12.0	2.177	3.132	7.7	19.3
7 20	20 34.91	−11 2.4	2.134	3.133	4.2	19.1
7 30	20 26.10	−13 2.3	2.122	3.133	2.0	18.9
8 9	20 17.32	−15 5.1	2.140	3.133	4.6	19.1
8 19	20 9.39	−17 4.0	2.189	3.132	8.0	19.3
8 29	20 3.02	−18 53.4	2.265	3.131	11.2	19.5

382564 2001 YA_{37} 7 27.6 320°.56 2°.7/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 50.39	−21 58.7	1.286	2.163	17.7	20.2
6 30	20 48.36	−22 35.3	1.195	2.136	13.9	19.9
7 10	20 43.20	−23 21.9	1.124	2.109	9.4	19.6
7 20	20 35.36	−24 13.3	1.074	2.083	4.5	19.2
7 30	20 25.90	−25 1.8	1.046	2.058	3.5	19.1
8 9	20 16.36	−25 40.1	1.042	2.033	8.4	19.3
8 19	20 8.35	−26 3.2	1.060	2.010	13.7	19.5
8 29	20 3.24	−26 9.5	1.096	1.988	18.5	19.7

384986 2012 TM_{188} 7 27.6 80°.26 3°.5/25.7 17

6 20	20 56.01	−25 58.1	1.785	2.638	14.6	20.8
6 30	20 51.47	−26 41.4	1.719	2.644	11.3	20.6
7 10	20 44.45	−27 27.1	1.673	2.650	7.7	20.4
7 20	20 35.60	−28 9.5	1.653	2.657	4.3	20.2
7 30	20 25.91	−28 42.9	1.658	2.663	4.0	20.2
8 9	20 16.57	−29 3.4	1.690	2.669	7.1	20.4
8 19	20 8.66	−29 9.6	1.747	2.675	10.7	20.6
8 29	20 3.04	−29 2.0	1.826	2.681	13.9	20.8

121277 1999 RX_{136} 7 27.6 0°.92 6°.0/25.8 17

6 20	21 1.87	−33 30.2	1.493	2.349	16.8	18.5
6 30	20 56.59	−33 41.5	1.425	2.348	13.4	18.3
7 10	20 48.10	−33 46.4	1.378	2.347	9.7	18.1
7 20	20 37.24	−33 37.9	1.353	2.347	6.7	17.9
7 30	20 25.41	−33 10.8	1.352	2.348	6.4	17.9
8 9	20 14.23	−32 23.6	1.377	2.349	9.2	18.1
8 19	20 5.09	−31 18.9	1.425	2.351	12.9	18.3
8 29	19 58.99	−30 1.7	1.495	2.353	16.3	18.5

335491 2005 XR_{24} 7 27.6 152°.34 10°.2/29.2 17 R

6 20	21 7.43	− 5 44.3	1.169	1.985	22.9	19.9
6 30	21 1.22	− 3 28.4	1.101	1.989	19.2	19.7
7 10	20 51.43	− 1 25.0	1.050	1.993	15.2	19.4
7 20	20 38.84	+ 0 18.4	1.021	1.996	11.6	19.3
7 30	20 24.87	+ 1 35.1	1.015	1.998	10.2	19.2
8 9	20 11.37	+ 2 22.3	1.033	2.001	12.0	19.3
8 19	19 59.99	+ 2 41.6	1.072	2.003	15.6	19.5
8 29	19 51.98	+ 2 38.9	1.131	2.004	19.4	19.8

498211 2007 TP_{433} 7 27.6 310°.69 7°.1/24.2 17

6 20	20 54.04	−29 8.7	1.180	2.063	18.6	20.9
6 30	20 51.75	−30 20.6	1.099	2.039	14.8	20.6
7 10	20 45.77	−31 38.0	1.036	2.016	10.7	20.3
7 20	20 36.60	−32 50.8	0.994	1.994	7.5	20.0
7 30	20 25.51	−33 47.2	0.975	1.972	7.9	20.0
8 9	20 14.40	−34 18.0	0.977	1.950	11.8	20.1
8 19	20 5.22	−34 19.7	0.999	1.929	16.5	20.3
8 29	19 59.56	−33 54.5	1.038	1.910	20.9	20.5

72298 2001 BT_{28} 7 27.6 285°.95 0°.3/27.8 18

6 20	20 52.92	−14 42.8	1.456	2.308	17.4	19.5
6 30	20 49.72	−15 21.2	1.371	2.296	13.7	19.3
7 10	20 43.73	−16 15.8	1.306	2.284	9.2	19.0
7 20	20 35.46	−17 22.7	1.263	2.272	4.2	18.7
7 30	20 25.91	−18 35.7	1.245	2.260	1.3	18.4
8 9	20 16.41	−19 47.5	1.253	2.248	6.6	18.7
8 19	20 8.28	−20 51.5	1.284	2.236	11.6	19.0
8 29	20 2.67	−21 43.4	1.337	2.225	16.1	19.2

308095 2004 VD_{21} 7 27.6 232°.82 6°.5/22.4 18

6 20	20 55.23	−37 31.6	2.463	3.299	11.6	20.3
6 30	20 50.57	−38 41.9	2.393	3.297	9.5	20.1
7 10	20 43.74	−39 47.6	2.347	3.295	7.6	20.0
7 20	20 35.28	−40 42.6	2.327	3.293	6.5	19.9
7 30	20 26.01	−41 21.6	2.332	3.291	6.9	19.9
8 9	20 16.93	−41 41.7	2.364	3.289	8.5	20.0
8 19	20 9.00	−41 42.3	2.420	3.287	10.6	20.2
8 29	20 3.00	−41 25.2	2.498	3.285	12.7	20.3

443818 1999 TS_{299} 7 27.6 285°.56 0°.5/27.3 17

6 20	20 51.87	−19 2.1	2.283	3.120	12.4	22.4
6 30	20 47.86	−19 21.4	2.184	3.102	9.7	22.2
7 10	20 41.93	−19 47.0	2.108	3.084	6.4	22.0
7 20	20 34.49	−20 16.2	2.057	3.066	2.8	21.7
7 30	20 26.25	−20 45.6	2.034	3.048	1.2	21.5
8 9	20 18.04	−21 11.9	2.038	3.030	4.9	21.8
8 19	20 10.72	−21 32.8	2.069	3.011	8.5	22.0
8 29	20 5.04	−21 46.6	2.125	2.993	11.7	22.1

227342 2005 UX_{58} 7 27.6 152°.16 2°.6/29.1 18

6 20	20 55.69	−10 49.2	2.038	2.850	14.5	21.3
6 30	20 50.74	−10 44.2	1.959	2.857	11.6	21.1
7 10	20 43.75	−10 50.4	1.903	2.864	8.1	21.0
7 20	20 35.25	−11 6.7	1.871	2.870	4.6	20.7
7 30	20 26.04	−11 30.8	1.866	2.875	2.7	20.6
8 9	20 17.06	−11 59.7	1.889	2.880	5.2	20.8
8 19	20 9.20	−12 30.2	1.938	2.885	8.7	21.0
8 29	20 3.18	−12 59.4	2.012	2.889	11.9	21.2

327188 2005 MQ_5 7 27.6 347°.78 3°.6/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 49.75	−22 39.7	1.143	2.029	18.8	19.9
6 30	20 47.93	−23 34.3	1.076	2.021	14.6	19.6
7 10	20 42.85	−24 39.1	1.027	2.014	9.8	19.3
7 20	20 35.13	−25 46.4	0.999	2.008	5.0	19.0
7 30	20 26.04	−26 47.0	0.993	2.003	4.4	19.0
8 9	20 17.23	−27 32.6	1.010	1.999	9.0	19.2
8 19	20 10.28	−27 58.8	1.048	1.997	14.0	19.5
8 29	20 6.42	−28 5.1	1.105	1.995	18.4	19.8

454071 2012 TH_{20} 7 27.6 189°.52 4°.9/25.9 15

6 20	21 6.75	−28 41.1	1.429	2.280	17.7	22.0
6 30	21 0.60	−29 14.0	1.357	2.280	14.0	21.7
7 10	20 50.96	−29 46.8	1.305	2.279	9.7	21.5
7 20	20 38.61	−30 11.6	1.276	2.277	5.8	21.3
7 30	20 24.97	−30 21.0	1.272	2.274	5.4	21.2
8 9	20 11.81	−30 10.9	1.293	2.271	9.0	21.4
8 19	20 0.76	−29 42.0	1.339	2.267	13.4	21.7
8 29	19 52.98	−28 58.0	1.406	2.262	17.3	21.9

507073 2008 XZ_{52} 7 27.6 217°.33 2°.1/28.9 18

6 20	20 55.21	−12 2.8	2.502	3.307	12.4	22.7
6 30	20 50.12	−11 52.9	2.404	3.298	9.8	22.5
7 10	20 43.25	−11 51.2	2.328	3.288	6.9	22.3
7 20	20 35.03	−11 56.6	2.278	3.278	3.8	22.1
7 30	20 26.11	−12 7.8	2.257	3.267	2.2	22.0
8 9	20 17.26	−12 22.6	2.265	3.256	4.5	22.1
8 19	20 9.25	−12 39.0	2.300	3.243	7.7	22.3
8 29	20 2.76	−12 55.0	2.361	3.231	10.7	22.5

24047 1999 TD_6 7 27.6 287°.72 0°.1/27.5 18

6 20	20 52.48	−16 48.0	1.785	2.629	15.0	18.5
6 30	20 48.83	−17 18.0	1.697	2.618	11.7	18.3
7 10	20 42.83	−17 58.6	1.630	2.607	7.8	18.0
7 20	20 34.97	−18 46.6	1.587	2.596	3.5	17.7
7 30	20 26.11	−19 37.1	1.571	2.585	1.2	17.5
8 9	20 17.33	−20 25.1	1.581	2.575	5.7	17.8
8 19	20 9.71	−21 6.4	1.617	2.564	10.0	18.0
8 29	20 4.17	−21 38.4	1.675	2.553	13.8	18.2

58904 1998 KV_{10} 7 27.6 168°.17 0°.2/27.7 18

6 20	20 51.08	−15 25.3	2.317	3.146	12.5	19.7
6 30	20 47.09	−16 4.8	2.235	3.147	9.7	19.5
7 10	20 41.30	−16 53.7	2.175	3.148	6.5	19.3
7 20	20 34.18	−17 48.8	2.141	3.149	2.9	19.0
7 30	20 26.38	−18 46.2	2.135	3.149	0.9	18.9
8 9	20 18.72	−19 41.8	2.157	3.150	4.5	19.2
8 19	20 11.94	−20 32.1	2.207	3.150	8.0	19.4
8 29	20 6.73	−21 14.7	2.281	3.151	11.0	19.6

113433 2002 SR_{39} 7 27.6 17°.54 3°.1/26.1 18

6 20	20 47.21	−20 0.3	0.939	1.838	20.8	18.2
6 30	20 46.16	−21 9.0	0.894	1.846	16.0	18.0
7 10	20 41.67	−22 31.5	0.866	1.856	10.5	17.7
7 20	20 34.56	−23 58.5	0.857	1.867	4.9	17.4
7 30	20 26.29	−25 18.7	0.869	1.881	3.9	17.4
8 9	20 18.63	−26 22.3	0.903	1.896	9.0	17.8
8 19	20 13.10	−27 4.3	0.957	1.913	14.2	18.1
8 29	20 10.77	−27 23.9	1.029	1.931	18.6	18.4

148393 2000 UV_{12} 7 27.6 184°.83 4°.4/24.1 18

6 20	20 57.24	−34 49.0	3.100	3.923	9.8	21.3
6 30	20 51.48	−35 26.7	3.022	3.923	7.8	21.1
7 10	20 44.02	−36 0.7	2.968	3.923	5.9	21.0
7 20	20 35.32	−36 26.9	2.941	3.922	4.5	20.9
7 30	20 26.06	−36 42.2	2.943	3.920	4.7	20.9
8 9	20 17.00	−36 44.5	2.974	3.918	6.2	21.0
8 19	20 8.86	−36 33.7	3.031	3.915	8.2	21.1
8 29	20 2.26	−36 10.9	3.112	3.912	10.1	21.3

205128 1999 VV_{152} 7 27.6 125°.09 2°.7/25.7 17

6 20	20 56.62	−25 3.4	2.328	3.164	12.2	21.7
6 30	20 51.30	−25 52.9	2.263	3.180	9.4	21.5
7 10	20 44.02	−26 44.5	2.222	3.196	6.3	21.3
7 20	20 35.35	−27 33.6	2.208	3.211	3.4	21.2
7 30	20 26.06	−28 15.7	2.222	3.226	3.2	21.2
8 9	20 17.05	−28 47.3	2.264	3.240	5.8	21.4
8 19	20 9.17	−29 7.0	2.333	3.254	8.7	21.6
8 29	20 3.09	−29 14.7	2.427	3.267	11.4	21.8

471268 2011 EP_{71} 7 27.6 294°.07 3°.9/25.4 17

6 20	20 55.42	−25 35.0	1.674	2.531	15.2	21.3
6 30	20 51.32	−26 30.3	1.601	2.529	11.8	21.1
7 10	20 44.56	−27 29.8	1.549	2.527	8.0	20.8
7 20	20 35.75	−28 27.0	1.522	2.525	4.6	20.6
7 30	20 25.91	−29 15.1	1.520	2.524	4.4	20.6
8 9	20 16.31	−29 48.8	1.544	2.522	7.7	20.8
8 19	20 8.17	−30 5.8	1.592	2.520	11.6	21.0
8 29	20 2.45	−30 6.4	1.662	2.518	15.0	21.2

127556 2002 YW_{11} 7 27.6 94°.98 2°.3/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 58.05	−14 0.2	1.302	2.151	19.2	19.6
6 30	20 53.66	−13 45.6	1.235	2.156	15.2	19.4
7 10	20 46.24	−13 43.8	1.187	2.161	10.4	19.1
7 20	20 36.50	−13 53.1	1.160	2.166	5.3	18.8
7 30	20 25.68	−14 10.4	1.158	2.171	2.4	18.7
8 9	20 15.29	−14 31.2	1.180	2.176	6.8	19.0
8 19	20 6.68	−14 51.9	1.226	2.181	11.8	19.3
8 29	20 0.90	−15 9.3	1.292	2.185	16.1	19.5

254302 2004 RA_{293} 7 27.6 197°.26 0°.5/27.2 18

6 20	20 52.80	−19 53.5	2.766	3.593	10.8	21.1
6 30	20 48.11	−20 7.6	2.678	3.590	8.3	20.9
7 10	20 41.82	−20 25.7	2.614	3.588	5.5	20.7
7 20	20 34.38	−20 45.4	2.576	3.585	2.4	20.5
7 30	20 26.37	−21 4.2	2.568	3.581	1.0	20.4
8 9	20 18.50	−21 20.0	2.588	3.578	4.1	20.6
8 19	20 11.43	−21 31.0	2.636	3.574	7.1	20.8
8 29	20 5.75	−21 36.5	2.710	3.570	9.8	21.0

311122 2004 PN_{92} 7 27.6 0°.74 4°.3/29.6 18

6 20	20 51.60	− 8 59.3	1.856	2.677	15.5	19.6
6 30	20 47.82	− 8 20.5	1.777	2.675	12.5	19.4
7 10	20 41.95	− 7 53.3	1.718	2.675	9.2	19.2
7 20	20 34.51	− 7 38.2	1.682	2.675	5.9	19.0
7 30	20 26.33	− 7 34.9	1.672	2.675	4.3	18.9
8 9	20 18.35	− 7 41.5	1.688	2.676	6.1	19.1
8 19	20 11.50	− 7 55.3	1.729	2.678	9.4	19.3
8 29	20 6.53	− 8 13.1	1.794	2.680	12.7	19.5

152876 2000 AZ_{82} 7 27.6 275°.59 1°.4/28.6 18 R

6 20	20 50.86	−13 16.9	2.440	3.260	12.2	20.1
6 30	20 46.91	−13 23.7	2.339	3.244	9.7	19.9
7 10	20 41.22	−13 39.2	2.261	3.228	6.7	19.7
7 20	20 34.19	−14 2.1	2.209	3.213	3.4	19.5
7 30	20 26.44	−14 30.1	2.184	3.197	1.5	19.3
8 9	20 18.72	−15 0.5	2.187	3.181	4.4	19.5
8 19	20 11.79	−15 30.5	2.217	3.164	7.7	19.7
8 29	20 6.33	−15 57.9	2.273	3.148	10.8	19.9

181215 2005 SM_{198} 7 27.6 202°.62 0°.3/27.4 18

6 20	20 53.03	−18 43.6	2.319	3.151	12.4	20.8
6 30	20 48.59	−18 59.1	2.235	3.150	9.6	20.6
7 10	20 42.31	−19 20.3	2.174	3.148	6.3	20.4
7 20	20 34.65	−19 44.6	2.138	3.147	2.8	20.1
7 30	20 26.32	−20 8.9	2.131	3.145	1.0	20.0
8 9	20 18.16	−20 30.4	2.151	3.143	4.6	20.3
8 19	20 10.96	−20 47.0	2.199	3.141	8.1	20.5
8 29	20 5.39	−20 57.4	2.271	3.139	11.1	20.7

372788 2010 OR_{125} 7 27.6 229°.62 1°.9/26.7 17

6 20	20 59.31	−22 26.2	1.885	2.724	14.5	22.2
6 30	20 54.08	−22 50.5	1.794	2.713	11.3	21.9
7 10	20 46.32	−23 19.6	1.725	2.701	7.6	21.7
7 20	20 36.55	−23 49.3	1.680	2.688	3.6	21.4
7 30	20 25.70	−24 14.6	1.663	2.674	2.4	21.3
8 9	20 14.97	−24 31.6	1.673	2.660	6.3	21.5
8 19	20 5.50	−24 38.3	1.710	2.645	10.4	21.7
8 29	19 58.26	−24 34.4	1.769	2.630	14.1	21.9

51134 2000 HG_{44} 7 27.6 175°.73 7°.4/23.2 18

6 20	21 1.06	−39 12.7	2.135	2.967	13.3	19.7
6 30	20 55.35	−40 9.3	2.069	2.968	11.0	19.5
7 10	20 47.03	−40 58.6	2.024	2.969	8.8	19.4
7 20	20 36.78	−41 33.8	2.005	2.969	7.5	19.3
7 30	20 25.66	−41 49.0	2.011	2.970	7.8	19.3
8 9	20 14.94	−41 41.9	2.042	2.970	9.5	19.4
8 19	20 5.77	−41 13.2	2.098	2.970	11.8	19.6
8 29	19 59.02	−40 26.5	2.175	2.969	14.1	19.8

354325 2002 WM_1 7 27.6 285°.28 3°.5/29.3 18

6 20	20 53.22	− 9 56.0	2.015	2.831	14.6	21.5
6 30	20 49.14	− 9 33.3	1.912	2.810	11.8	21.3
7 10	20 42.94	− 9 21.3	1.830	2.789	8.6	21.0
7 20	20 35.04	− 9 20.1	1.771	2.767	5.2	20.8
7 30	20 26.18	− 9 28.8	1.739	2.746	3.5	20.6
8 9	20 17.30	− 9 45.2	1.734	2.724	5.7	20.7
8 19	20 9.35	−10 6.7	1.755	2.703	9.3	20.9
8 29	20 3.20	−10 30.3	1.799	2.681	12.9	21.1

153173 2000 TJ_{64} 7 27.6 75°.16 6°.9/24.0 18

6 20	20 59.35	−33 38.0	1.659	2.512	15.5	19.0
6 30	20 54.40	−34 45.7	1.605	2.525	12.4	18.8
7 10	20 46.56	−35 49.4	1.572	2.537	9.2	18.6
7 20	20 36.60	−36 40.9	1.563	2.549	7.1	18.5
7 30	20 25.73	−37 13.0	1.579	2.561	7.4	18.6
8 9	20 15.40	−37 22.4	1.620	2.573	9.7	18.7
8 19	20 6.87	−37 9.3	1.685	2.586	12.7	18.9
8 29	20 1.07	−36 37.4	1.770	2.598	15.5	19.2

482159 2010 TN_{79} 7 27.6 170°.27 4°.4/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 54.66	−30 52.9	2.394	3.236	11.7	21.1
6 30	20 49.97	−31 40.3	2.321	3.237	9.2	20.9
7 10	20 43.27	−32 26.3	2.270	3.238	6.6	20.7
7 20	20 35.09	−33 6.2	2.246	3.238	4.6	20.6
7 30	20 26.21	−33 35.4	2.248	3.239	4.7	20.6
8 9	20 17.55	−33 51.0	2.278	3.239	6.8	20.8
8 19	20 9.97	−33 52.2	2.334	3.239	9.4	20.9
8 29	20 4.20	−33 39.8	2.413	3.240	11.9	21.1

436551 2011 GD_{83} 7 27.6 106°.99 6°.3/23.8 17

6 20	20 57.19	−31 26.3	1.716	2.571	15.0	21.1
6 30	20 52.78	−32 43.4	1.651	2.574	11.9	20.9
7 10	20 45.58	−34 0.0	1.607	2.576	8.7	20.7
7 20	20 36.24	−35 7.9	1.588	2.578	6.5	20.6
7 30	20 25.84	−35 59.3	1.595	2.580	6.9	20.6
8 9	20 15.75	−36 29.1	1.626	2.583	9.4	20.7
8 19	20 7.25	−36 36.5	1.681	2.585	12.6	20.9
8 29	20 1.31	−36 23.6	1.757	2.587	15.5	21.1

431242 2006 TE_{39} 7 27.6 191°.38 1°.1/27.0 17

6 20	20 57.82	−20 0.9	2.014	2.848	13.9	22.6
6 30	20 52.63	−20 28.9	1.931	2.847	10.8	22.4
7 10	20 45.17	−21 3.1	1.870	2.845	7.1	22.2
7 20	20 35.98	−21 39.9	1.834	2.842	3.2	21.9
7 30	20 25.92	−22 14.8	1.826	2.839	1.7	21.8
8 9	20 16.04	−22 43.9	1.846	2.835	5.6	22.0
8 19	20 7.34	−23 4.7	1.893	2.831	9.4	22.3
8 29	20 0.66	−23 16.2	1.963	2.825	12.8	22.5

41648 2000 SP_{276} 7 27.6 211°.45 3°.6/29.8 18

6 20	20 54.14	− 7 48.8	2.169	2.970	14.2	19.8
6 30	20 49.56	− 7 39.9	2.077	2.964	11.5	19.7
7 10	20 43.04	− 7 43.5	2.006	2.958	8.4	19.4
7 20	20 35.02	− 7 59.3	1.960	2.952	5.3	19.2
7 30	20 26.22	− 8 25.7	1.940	2.945	3.6	19.1
8 9	20 17.52	− 9 0.0	1.949	2.937	5.4	19.2
8 19	20 9.75	− 9 38.9	1.984	2.929	8.6	19.4
8 29	20 3.67	−10 18.7	2.044	2.921	11.8	19.6

45797 2000 PK_{1} 7 27.6 236°.93 2°.5/26.6 18

6 20	21 0.43	−23 55.1	1.549	2.401	16.5	19.4
6 30	20 55.43	−24 11.7	1.468	2.393	12.9	19.2
7 10	20 47.44	−24 32.0	1.407	2.385	8.7	18.9
7 20	20 37.10	−24 50.8	1.370	2.377	4.2	18.6
7 30	20 25.57	−25 2.9	1.358	2.369	3.0	18.5
8 9	20 14.29	−25 4.1	1.372	2.360	7.3	18.8
8 19	20 4.65	−24 53.2	1.411	2.351	11.8	19.0
8 29	19 57.74	−24 31.3	1.471	2.341	15.9	19.2

198420 2004 VL_{73} 7 27.6 248°.76 4°.4/30.5 18

6 20	20 52.36	− 4 47.6	2.074	2.869	14.9	20.6
6 30	20 48.37	− 4 47.9	1.975	2.855	12.3	20.4
7 10	20 42.37	− 5 4.2	1.896	2.842	9.3	20.2
7 20	20 34.78	− 5 36.8	1.842	2.827	6.2	20.0
7 30	20 26.30	− 6 23.9	1.813	2.813	4.5	19.8
8 9	20 17.82	− 7 22.1	1.812	2.798	5.9	19.9
8 19	20 10.24	− 8 26.9	1.837	2.783	9.1	20.1
8 29	20 4.36	− 9 33.2	1.886	2.767	12.4	20.2

506013 2015 HH_{61} 7 27.6 50°.57 7°.6/31.2 17

6 20	20 54.51	− 2 21.3	1.593	2.393	18.5	21.0
6 30	20 50.26	− 1 18.9	1.529	2.405	15.5	20.8
7 10	20 43.64	− 0 34.9	1.483	2.417	12.2	20.6
7 20	20 35.29	− 0 11.7	1.459	2.429	9.2	20.5
7 30	20 26.17	− 0 10.0	1.458	2.442	7.6	20.4
8 9	20 17.40	− 0 27.7	1.482	2.455	8.6	20.5
8 19	20 10.01	− 1 0.5	1.530	2.469	11.2	20.7
8 29	20 4.80	− 1 42.7	1.600	2.482	14.2	20.9

514490 2016 WQ_{11} 7 27.6 211°.13 4°.0/24.4 18

6 20	20 54.55	−31 14.3	2.773	3.608	10.5	22.2
6 30	20 49.67	−32 2.2	2.690	3.602	8.3	22.0
7 10	20 42.99	−32 48.8	2.632	3.597	6.0	21.9
7 20	20 34.96	−33 29.9	2.600	3.591	4.3	21.7
7 30	20 26.27	−34 1.5	2.596	3.584	4.4	21.7
8 9	20 17.70	−34 20.7	2.621	3.578	6.3	21.8
8 19	20 10.03	−34 26.7	2.672	3.571	8.6	22.0
8 29	20 3.94	−34 19.8	2.746	3.563	10.9	22.1

440845 2006 SK_{109} 7 27.6 328°.06 0°.7/28.0 18

6 20	20 51.34	−15 26.3	1.874	2.714	14.6	21.4
6 30	20 47.76	−15 42.3	1.790	2.708	11.4	21.2
7 10	20 42.02	−16 8.3	1.728	2.703	7.7	21.0
7 20	20 34.62	−16 41.9	1.690	2.697	3.6	20.7
7 30	20 26.37	−17 19.4	1.678	2.692	1.1	20.5
8 9	20 18.27	−17 56.7	1.693	2.688	5.2	20.8
8 19	20 11.28	−18 30.3	1.733	2.683	9.3	21.1
8 29	20 6.21	−18 57.7	1.797	2.679	12.9	21.3

72113 2000 YO_{58} 7 27.6 252°.33 0°.5/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 56.77	−16 19.3	1.672	2.511	16.1	20.1
6 30	20 52.40	−16 31.7	1.579	2.497	12.7	19.8
7 10	20 45.38	−16 54.5	1.507	2.482	8.6	19.6
7 20	20 36.22	−17 25.0	1.458	2.466	3.9	19.2
7 30	20 25.85	−17 59.0	1.436	2.450	1.2	19.0
8 9	20 15.51	−18 32.0	1.439	2.434	6.1	19.3
8 19	20 6.43	−19 0.2	1.468	2.417	10.8	19.5
8 29	19 59.69	−19 21.2	1.520	2.399	14.9	19.7

401171 2011 WD_{65} 7 27.6 307°.12 5°.2/23.8 17

6 20	20 52.87	−29 28.3	1.956	2.811	13.4	20.6
6 30	20 49.22	−30 45.2	1.875	2.799	10.6	20.4
7 10	20 43.16	−32 4.3	1.816	2.788	7.6	20.2
7 20	20 35.19	−33 18.9	1.783	2.777	5.5	20.0
7 30	20 26.18	−34 21.7	1.776	2.766	5.8	20.0
8 9	20 17.24	−35 7.5	1.795	2.755	8.4	20.2
8 19	20 9.49	−35 33.8	1.838	2.744	11.5	20.3
8 29	20 3.87	−35 40.8	1.902	2.734	14.4	20.5

160464 2006 BQ_{145} 7 27.6 83°.22 2°.1/26.9 18

6 20	21 2.73	−25 29.0	1.798	2.638	15.1	19.4
6 30	20 56.34	−25 20.5	1.736	2.654	11.7	19.2
7 10	20 47.47	−25 11.6	1.696	2.671	7.7	19.0
7 20	20 36.90	−24 58.9	1.681	2.688	3.7	18.8
7 30	20 25.72	−24 39.4	1.694	2.704	2.5	18.8
8 9	20 15.15	−24 11.8	1.734	2.721	6.1	19.0
8 19	20 6.23	−23 36.8	1.800	2.737	9.9	19.3
8 29	19 59.73	−22 56.1	1.890	2.753	13.2	19.6

420442 2012 DU_{37} 7 27.6 58°.43 1°.8/26.8 17

6 20	20 57.02	−20 40.8	1.295	2.159	18.4	21.1
6 30	20 52.84	−21 13.1	1.242	2.174	14.2	20.9
7 10	20 45.65	−21 53.7	1.207	2.189	9.3	20.6
7 20	20 36.24	−22 36.5	1.195	2.205	4.2	20.4
7 30	20 25.91	−23 15.0	1.208	2.221	2.5	20.3
8 9	20 16.17	−23 43.6	1.245	2.236	7.2	20.7
8 19	20 8.34	−23 59.9	1.305	2.253	11.9	21.0
8 29	20 3.36	−24 3.6	1.386	2.269	15.9	21.3

470657 2008 SC_{150} 7 27.6 323°.55 1°.9/26.8 18

6 20	20 50.08	−21 5.6	1.295	2.171	17.7	20.7
6 30	20 48.12	−21 27.4	1.201	2.141	13.9	20.3
7 10	20 43.08	−21 58.6	1.126	2.111	9.4	20.0
7 20	20 35.40	−22 34.9	1.072	2.082	4.3	19.6
7 30	20 26.10	−23 10.1	1.042	2.054	2.7	19.4
8 9	20 16.69	−23 37.6	1.034	2.028	7.9	19.7
8 19	20 8.74	−23 53.1	1.048	2.002	13.4	19.9
8 29	20 3.65	−23 54.8	1.081	1.978	18.3	20.1

128862 2004 SY_{30} 7 27.6 246°.00 0°.2/27.8 18

6 20	20 51.61	−16 54.7	2.631	3.456	11.3	21.3
6 30	20 47.35	−17 10.6	2.535	3.445	8.8	21.1
7 10	20 41.45	−17 32.7	2.461	3.433	5.9	20.9
7 20	20 34.30	−17 59.0	2.414	3.422	2.6	20.7
7 30	20 26.51	−18 27.0	2.396	3.410	0.8	20.5
8 9	20 18.78	−18 54.0	2.406	3.398	4.1	20.7
8 19	20 11.82	−19 17.7	2.443	3.386	7.3	20.9
8 29	20 6.25	−19 36.5	2.506	3.374	10.2	21.1

105554 2000 RJ_{53} 7 27.6 209°.75 3°.2/25.1 18

6 20	20 54.20	−28 13.8	2.831	3.665	10.3	19.8
6 30	20 49.33	−28 57.9	2.745	3.659	8.1	19.7
7 10	20 42.74	−29 42.4	2.682	3.652	5.6	19.5
7 20	20 34.87	−30 23.6	2.647	3.645	3.5	19.4
7 30	20 26.34	−30 57.5	2.640	3.638	3.5	19.4
8 9	20 17.91	−31 21.3	2.662	3.630	5.6	19.5
8 19	20 10.31	−31 33.8	2.711	3.621	8.1	19.6
8 29	20 4.20	−31 34.9	2.785	3.613	10.5	19.8

76901 2000 YE_{110} 7 27.6 94°.66 2°.2/26.6 17

6 20	20 58.76	−21 44.8	1.514	2.367	16.8	19.8
6 30	20 53.85	−22 24.0	1.456	2.382	12.9	19.6
7 10	20 46.17	−23 9.7	1.418	2.398	8.5	19.3
7 20	20 36.45	−23 55.9	1.404	2.412	4.0	19.1
7 30	20 25.88	−24 36.3	1.416	2.427	2.8	19.1
8 9	20 15.80	−25 6.2	1.453	2.441	6.9	19.4
8 19	20 7.44	−25 23.1	1.515	2.455	11.2	19.6
8 29	20 1.68	−25 27.3	1.600	2.469	14.8	19.9

387475 2013 YF_{10} 7 27.6 230°.64 3°.6/29.5 18

6 20	20 55.18	− 8 58.7	2.072	2.879	14.6	21.0
6 30	20 50.51	− 8 38.9	1.978	2.869	11.8	20.8
7 10	20 43.76	− 8 30.5	1.905	2.859	8.6	20.6
7 20	20 35.40	− 8 33.3	1.856	2.849	5.3	20.4
7 30	20 26.18	− 8 46.5	1.833	2.838	3.6	20.2
8 9	20 17.03	− 9 7.5	1.839	2.827	5.6	20.3
8 19	20 8.88	− 9 33.5	1.870	2.816	9.0	20.5
8 29	20 2.51	−10 1.4	1.926	2.804	12.4	20.7

386824 2010 GS_{120} 7 27.6 192°.39 2°.2/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 54.55	−22 33.6	2.087	2.929	13.2	21.2
6 30	20 50.09	−23 18.6	2.007	2.929	10.2	21.0
7 10	20 43.49	−24 8.6	1.951	2.928	6.8	20.8
7 20	20 35.26	−24 59.2	1.919	2.926	3.3	20.6
7 30	20 26.23	−25 45.5	1.916	2.925	2.7	20.5
8 9	20 17.36	−26 23.0	1.939	2.923	5.9	20.7
8 19	20 9.60	−26 49.5	1.989	2.921	9.4	20.9
8 29	20 3.74	−27 4.0	2.063	2.919	12.5	21.1

175174 2005 EA_{141} 7 27.6 248°.47 3°.6/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.47	−10 52.6	1.548	2.379	17.6	20.7
6 30	20 52.18	−10 28.5	1.465	2.372	14.1	20.4
7 10	20 45.22	−10 17.3	1.400	2.365	10.1	20.2
7 20	20 36.14	−10 19.0	1.358	2.357	5.9	19.9
7 30	20 25.94	−10 32.1	1.340	2.349	3.6	19.7
8 9	20 15.90	−10 53.3	1.349	2.341	6.6	19.9
8 19	20 7.22	−11 19.0	1.382	2.333	11.0	20.1
8 29	20 0.95	−11 45.3	1.437	2.325	15.1	20.4

212274 2005 JK_{148} 7 27.6 104°.74 3°.2/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.06	− 6 17.9	2.185	2.983	14.1	20.7
6 30	20 47.82	− 6 42.2	2.112	2.998	11.4	20.5
7 10	20 41.78	− 7 21.4	2.060	3.012	8.2	20.3
7 20	20 34.45	− 8 14.1	2.033	3.026	5.1	20.2
7 30	20 26.51	− 9 17.0	2.034	3.039	3.2	20.1
8 9	20 18.79	−10 25.8	2.062	3.053	4.9	20.2
8 19	20 12.04	−11 35.7	2.118	3.066	8.0	20.4
8 29	20 6.91	−12 42.6	2.199	3.079	10.9	20.6

311420 2005 UP_{93} 7 27.6 184°.46 1°.5/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.59	−22 47.5	2.675	3.507	10.9	21.5
6 30	20 48.81	−23 9.8	2.592	3.507	8.4	21.4
7 10	20 42.37	−23 34.8	2.532	3.507	5.6	21.2
7 20	20 34.70	−23 59.6	2.499	3.506	2.6	21.0
7 30	20 26.44	−24 21.2	2.495	3.505	1.8	20.9
8 9	20 18.35	−24 37.1	2.519	3.504	4.6	21.1
8 19	20 11.13	−24 45.9	2.571	3.503	7.5	21.3
8 29	20 5.38	−24 47.0	2.648	3.501	10.2	21.5

472155 2014 DM_{11} 7 27.6 243°.81 2°.3/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.26	−23 20.5	2.091	2.931	13.3	22.3
6 30	20 51.54	−23 56.6	1.998	2.918	10.3	22.1
7 10	20 44.56	−24 37.3	1.928	2.904	6.9	21.9
7 20	20 35.80	−25 18.1	1.882	2.889	3.4	21.6
7 30	20 26.07	−25 54.4	1.865	2.874	2.8	21.5
8 9	20 16.41	−26 21.9	1.875	2.858	6.1	21.7
8 19	20 7.82	−26 38.4	1.911	2.842	9.8	21.9
8 29	20 1.19	−26 43.2	1.971	2.826	13.1	22.1

322559 2011 YH_{55} 7 27.6 59°.51 2°.0/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.10	−22 36.3	2.213	3.057	12.5	20.5
6 30	20 47.98	−23 16.0	2.144	3.066	9.6	20.3
7 10	20 41.96	−23 59.9	2.097	3.074	6.3	20.1
7 20	20 34.54	−24 43.8	2.075	3.083	3.1	19.9
7 30	20 26.49	−25 23.5	2.082	3.091	2.4	19.9
8 9	20 18.68	−25 55.5	2.115	3.100	5.4	20.1
8 19	20 11.91	−26 17.7	2.175	3.109	8.6	20.3
8 29	20 6.87	−26 29.5	2.259	3.118	11.5	20.5

279718 1579 $T\text{-}_2$ 7 27.6 337°.82 6°.8/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 40.58	− 7 58.9	0.894	1.781	22.7	19.9
6 30	20 41.31	− 7 15.0	0.817	1.755	18.9	19.5
7 10	20 38.85	− 6 53.4	0.755	1.731	14.3	19.2
7 20	20 33.63	− 6 58.3	0.710	1.709	9.5	18.8
7 30	20 26.72	− 7 30.7	0.682	1.689	6.8	18.6
8 9	20 19.79	− 8 26.1	0.673	1.672	9.4	18.7
8 19	20 14.57	− 9 36.3	0.682	1.657	14.7	18.9
8 29	20 12.59	−10 50.5	0.708	1.645	20.1	19.1

512367 2016 NA_{54} 7 27.6 271°.34 7°.2/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.44	− 1 13.9	1.935	2.717	16.3	20.7
6 30	20 49.29	− 0 19.7	1.846	2.709	13.8	20.5
7 10	20 43.02	+ 0 19.1	1.776	2.701	11.1	20.3
7 20	20 35.10	+ 0 39.9	1.729	2.693	8.5	20.1
7 30	20 26.32	+ 0 41.6	1.706	2.685	7.2	20.0
8 9	20 17.61	+ 0 25.5	1.709	2.677	8.1	20.1
8 19	20 9.91	− 0 5.6	1.736	2.669	10.5	20.2
8 29	20 4.05	− 0 46.8	1.787	2.661	13.3	20.4

198333 2004 UA 7 27.6 16°.62 3°.3/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.49	−24 29.1	1.491	2.355	16.4	19.3
6 30	20 50.79	−25 7.5	1.425	2.358	12.7	19.1
7 10	20 44.31	−25 50.3	1.380	2.361	8.5	18.8
7 20	20 35.72	−26 31.5	1.357	2.364	4.5	18.6
7 30	20 26.14	−27 4.7	1.360	2.368	3.8	18.6
8 9	20 16.95	−27 25.1	1.387	2.372	7.6	18.8
8 19	20 9.37	−27 30.8	1.438	2.377	11.7	19.1
8 29	20 4.38	−27 22.4	1.510	2.383	15.4	19.3

326381 2001 FS_{175} 7 27.6 176°.33 5°.5/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 55.11	+ 0 31.7	2.070	2.834	15.9	21.6
6 30	20 50.40	+ 0 7.5	1.982	2.837	13.3	21.4
7 10	20 43.66	− 0 38.0	1.914	2.839	10.3	21.2
7 20	20 35.36	− 1 44.6	1.869	2.841	7.4	21.1
7 30	20 26.25	− 3 9.9	1.851	2.842	5.5	21.0
8 9	20 17.25	− 4 48.6	1.861	2.841	6.4	21.0
8 19	20 9.23	− 6 34.1	1.899	2.841	9.1	21.2
8 29	20 2.98	− 8 19.6	1.962	2.839	12.2	21.4

470642 2008 SK_{103} 7 27.6 304°.81 5°.4/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.47	−28 30.7	1.571	2.433	15.8	20.7
6 30	20 52.07	−29 24.7	1.472	2.402	12.6	20.4
7 10	20 45.61	−30 22.7	1.394	2.370	9.0	20.1
7 20	20 36.53	−31 17.4	1.339	2.339	5.9	19.8
7 30	20 25.84	−32 0.4	1.308	2.307	6.0	19.8
8 9	20 15.00	−32 25.1	1.302	2.276	9.4	19.9
8 19	20 5.54	−32 28.4	1.319	2.245	13.7	20.0
8 29	19 58.81	−32 11.0	1.356	2.214	17.7	20.2

270691 2002 QK_{53} 7 27.6 323°.31 2°.0/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.09	−21 4.9	1.193	2.073	18.6	20.2
6 30	20 49.07	−21 27.6	1.110	2.051	14.6	19.9
7 10	20 43.78	−22 0.0	1.045	2.031	9.8	19.6
7 20	20 35.75	−22 37.4	1.000	2.010	4.5	19.2
7 30	20 26.11	−23 12.8	0.978	1.991	2.8	19.0
8 9	20 16.52	−23 39.7	0.979	1.973	8.2	19.3
8 19	20 8.60	−23 53.7	1.001	1.956	13.7	19.5
8 29	20 3.74	−23 53.4	1.041	1.940	18.6	19.8

442043 2010 RX_{10} 7 27.6 355°.94 2°.0/26.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 49.62	−23 5.7	1.348	2.225	17.1	20.1
6 30	20 47.29	−23 10.7	1.278	2.218	13.2	19.8
7 10	20 42.13	−23 20.0	1.228	2.212	8.8	19.6
7 20	20 34.81	−23 29.3	1.198	2.208	4.1	19.3
7 30	20 26.46	−23 34.0	1.193	2.205	2.6	19.2
8 9	20 18.45	−23 30.7	1.211	2.204	7.1	19.5
8 19	20 12.06	−23 17.7	1.251	2.205	11.7	19.7
8 29	20 8.26	−22 55.2	1.313	2.207	15.8	20.0

71023 1999 XT_{60} 7 27.6 148°.18 3°.7/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.28	− 6 39.3	2.430	3.218	13.2	20.2
6 30	20 49.35	− 6 27.1	2.350	3.228	10.7	20.1
7 10	20 42.73	− 6 26.6	2.291	3.236	7.9	19.9
7 20	20 34.88	− 6 37.3	2.258	3.245	5.1	19.8
7 30	20 26.46	− 6 58.1	2.253	3.253	3.7	19.7
8 9	20 18.23	− 7 26.6	2.275	3.260	5.1	19.8
8 19	20 10.90	− 7 59.9	2.325	3.267	7.7	20.0
8 29	20 5.07	− 8 35.0	2.401	3.273	10.4	20.1

383231 2006 BL_{27} 7 27.6 162°.74 4°.3/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.96	− 8 38.8	1.960	2.765	15.3	20.9
6 30	20 51.85	− 7 59.2	1.878	2.768	12.4	20.7
7 10	20 44.61	− 7 30.7	1.818	2.770	9.1	20.5
7 20	20 35.78	− 7 13.9	1.782	2.772	5.9	20.3
7 30	20 26.18	− 7 8.3	1.773	2.774	4.3	20.2
8 9	20 16.80	− 7 12.3	1.790	2.776	6.1	20.4
8 19	20 8.57	− 7 23.5	1.834	2.777	9.3	20.6
8 29	20 2.27	− 7 38.9	1.902	2.779	12.5	20.8

182902 2002 EP_{39} 7 27.6 88°.43 1°.4/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.85	−13 7.2	2.311	3.132	12.8	21.0
6 30	20 47.59	−13 19.6	2.239	3.144	10.0	20.8
7 10	20 41.61	−13 41.1	2.189	3.156	6.8	20.6
7 20	20 34.39	−14 9.9	2.164	3.168	3.4	20.4
7 30	20 26.62	−14 43.2	2.167	3.180	1.5	20.3
8 9	20 19.08	−15 17.9	2.198	3.192	4.3	20.5
8 19	20 12.49	−15 51.2	2.256	3.204	7.6	20.7
8 29	20 7.45	−16 20.7	2.339	3.215	10.5	20.9

336281 2008 SA_{250} 7 27.7 241°.81 2°.7/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.62	− 9 4.7	1.995	2.809	14.8	21.3
6 30	20 48.67	− 9 20.6	1.902	2.800	11.9	21.1
7 10	20 42.63	− 9 51.0	1.831	2.791	8.5	20.8
7 20	20 34.97	−10 34.7	1.783	2.782	4.9	20.6
7 30	20 26.42	−11 28.7	1.762	2.772	2.8	20.4
8 9	20 17.93	−12 28.8	1.769	2.762	5.3	20.6
8 19	20 10.41	−13 30.0	1.802	2.752	9.0	20.8
8 29	20 4.68	−14 28.2	1.859	2.741	12.5	21.0

46443 2002 LW_{43} 7 27.7 318°.90 6°.6/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.19	− 4 32.4	1.704	2.513	17.1	18.5
6 30	20 48.64	− 3 39.5	1.616	2.501	14.3	18.2
7 10	20 42.77	− 3 1.4	1.547	2.490	11.1	18.0
7 20	20 35.07	− 2 40.5	1.500	2.479	8.1	17.8
7 30	20 26.39	− 2 37.7	1.476	2.468	6.6	17.7
8 9	20 17.78	− 2 51.4	1.478	2.458	7.9	17.8
8 19	20 10.30	− 3 18.6	1.504	2.448	10.9	17.9
8 29	20 4.87	− 3 54.4	1.552	2.438	14.3	18.1

269867 2000 ES_{65} 7 27.7 199°.18 14°.4/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 54.81	+15 18.4	1.434	2.147	23.8	20.9
6 30	20 51.18	+15 59.9	1.356	2.145	21.7	20.7
7 10	20 44.75	+16 5.5	1.291	2.143	19.2	20.5
7 20	20 36.04	+15 28.1	1.241	2.140	16.7	20.3
7 30	20 26.08	+14 4.1	1.211	2.137	14.9	20.2
8 9	20 16.20	+11 56.5	1.201	2.133	14.4	20.2
8 19	20 7.72	+ 9 14.7	1.214	2.128	15.6	20.2
8 29	20 1.76	+ 6 13.1	1.249	2.123	17.9	20.3

46561 1991 RQ 7 27.7 339°.04 7°.1/ 1.3 18

6 20	20 39.46	− 1 19.5	1.006	1.865	22.9	17.7
6 30	20 40.09	− 1 31.8	0.924	1.841	19.4	17.3
7 10	20 37.86	− 2 21.7	0.857	1.819	15.1	17.0
7 20	20 33.16	− 3 53.0	0.807	1.799	10.5	16.7
7 30	20 26.94	− 6 3.9	0.777	1.781	7.2	16.4
8 9	20 20.68	− 8 43.9	0.767	1.765	8.7	16.5
8 19	20 15.92	−11 36.6	0.778	1.751	13.6	16.7
8 29	20 14.06	−14 24.3	0.807	1.740	18.8	16.9

511166 2013 YJ_{49} 7 27.7 181°.51 1°.3/26.7 18

6 20	20 53.83	−18 12.4	2.001	2.840	13.8	21.7
6 30	20 49.64	−19 18.0	1.921	2.840	10.7	21.5
7 10	20 43.29	−20 33.8	1.863	2.840	7.0	21.2
7 20	20 35.26	−21 54.8	1.832	2.840	3.1	21.0
7 30	20 26.36	−23 14.9	1.828	2.840	1.9	20.9
8 9	20 17.56	−24 28.1	1.852	2.839	5.7	21.2
8 19	20 9.84	−25 30.0	1.902	2.838	9.5	21.4
8 29	20 4.03	−26 18.3	1.977	2.837	12.8	21.6

273803 2007 FX_{24} 7 27.7 176°.78 0°.4/27.4 17

6 20	20 55.46	−18 22.7	1.741	2.585	15.3	21.3
6 30	20 51.12	−18 43.7	1.664	2.585	11.9	21.1
7 10	20 44.35	−19 13.0	1.609	2.586	7.9	20.9
7 20	20 35.74	−19 47.0	1.577	2.586	3.5	20.6
7 30	20 26.22	−20 21.3	1.572	2.586	1.3	20.4
8 9	20 16.94	−20 51.5	1.593	2.586	5.8	20.7
8 19	20 8.98	−21 14.5	1.640	2.586	10.0	21.0
8 29	20 3.21	−21 29.0	1.709	2.585	13.7	21.2

130566 2000 RW_{38} 7 27.7 241°.60 4°.4/29.9 18

6 20	20 54.38	− 7 22.0	1.982	2.786	15.2	19.9
6 30	20 49.99	− 6 55.5	1.890	2.778	12.4	19.6
7 10	20 43.49	− 6 41.7	1.819	2.770	9.2	19.4
7 20	20 35.35	− 6 40.9	1.772	2.761	6.0	19.2
7 30	20 26.34	− 6 52.6	1.751	2.752	4.4	19.1
8 9	20 17.42	− 7 14.5	1.756	2.743	6.1	19.2
8 19	20 9.52	− 7 43.5	1.788	2.733	9.4	19.4
8 29	20 3.45	− 8 15.8	1.844	2.724	12.7	19.6

261614 2005 XJ_{115} 7 27.7 318°.70 6°.2/22.0 18

6 20	20 54.13	−34 35.2	2.367	3.209	11.8	19.9
6 30	20 49.89	−36 9.8	2.298	3.209	9.5	19.8
7 10	20 43.46	−37 42.4	2.254	3.209	7.4	19.6
7 20	20 35.35	−39 6.3	2.235	3.209	6.2	19.6
7 30	20 26.34	−40 15.0	2.244	3.208	6.8	19.6
8 9	20 17.42	−41 4.4	2.279	3.208	8.6	19.7
8 19	20 9.57	−41 33.1	2.338	3.208	10.9	19.9
8 29	20 3.63	−41 41.9	2.419	3.208	13.0	20.0

107524 2001 DB_{61} 7 27.7 198°.11 0°.8/28.1 18

6 20	20 56.63	−14 43.1	1.794	2.625	15.5	20.9
6 30	20 51.99	−15 3.7	1.710	2.622	12.2	20.7
7 10	20 44.94	−15 35.6	1.648	2.620	8.2	20.4
7 20	20 36.02	−16 16.1	1.610	2.616	3.9	20.2
7 30	20 26.14	−17 0.9	1.598	2.613	1.2	20.0
8 9	20 16.41	−17 45.3	1.614	2.608	5.6	20.3
8 19	20 7.91	−18 25.4	1.656	2.603	9.8	20.5
8 29	20 1.55	−18 58.3	1.721	2.598	13.6	20.7

249059 2007 TP_{249} 7 27.7 162°.56 0°.9/27.2 18

6 20	20 55.10	−20 25.7	1.951	2.792	14.0	21.2
6 30	20 50.58	−20 40.4	1.872	2.793	10.8	21.0
7 10	20 43.86	−21 0.5	1.816	2.793	7.2	20.8
7 20	20 35.49	−21 22.6	1.785	2.793	3.2	20.5
7 30	20 26.33	−21 43.0	1.780	2.794	1.5	20.4
8 9	20 17.41	−21 58.5	1.803	2.794	5.4	20.7
8 19	20 9.69	−22 7.1	1.851	2.794	9.3	20.9
8 29	20 3.97	−22 8.0	1.924	2.794	12.7	21.1

294371 2007 VZ_{122} 7 27.7 176°.33 1°.7/28.8 17

6 20	20 53.21	−12 11.9	2.262	3.078	13.2	22.1
6 30	20 48.77	−12 22.2	2.178	3.079	10.4	21.9
7 10	20 42.50	−12 42.6	2.115	3.080	7.2	21.7
7 20	20 34.85	−13 11.5	2.078	3.081	3.8	21.5
7 30	20 26.53	−13 46.1	2.069	3.081	1.8	21.3
8 9	20 18.35	−14 23.3	2.088	3.081	4.6	21.5
8 19	20 11.11	−15 0.0	2.134	3.081	8.0	21.8
8 29	20 5.49	−15 33.4	2.205	3.081	11.1	21.9

472963 2015 GL_{38} 7 27.7 241°.49 5°.8/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 51.62	− 1 27.4	1.774	2.567	17.1	21.1
6 30	20 48.07	− 1 30.7	1.691	2.565	14.3	20.9
7 10	20 42.32	− 1 55.3	1.626	2.563	11.1	20.7
7 20	20 34.86	− 2 41.7	1.583	2.561	7.8	20.5
7 30	20 26.51	− 3 48.1	1.565	2.559	5.9	20.4
8 9	20 18.28	− 5 9.4	1.572	2.557	7.0	20.4
8 19	20 11.14	− 6 39.2	1.606	2.554	10.0	20.6
8 29	20 5.94	− 8 10.5	1.663	2.552	13.4	20.8

307133 2002 CF_{164} 7 27.7 118°.12 2°.7/25.5 18

6 20	20 53.00	−24 26.1	2.321	3.163	12.0	20.8
6 30	20 48.70	−25 22.6	2.248	3.169	9.3	20.6
7 10	20 42.49	−26 22.6	2.199	3.175	6.2	20.4
7 20	20 34.86	−27 21.4	2.176	3.180	3.4	20.2
7 30	20 26.54	−28 14.1	2.181	3.186	3.2	20.2
8 9	20 18.40	−28 56.9	2.214	3.191	5.8	20.4
8 19	20 11.27	−29 27.4	2.274	3.197	8.8	20.6
8 29	20 5.84	−29 45.2	2.357	3.202	11.6	20.8

178036 2006 RW_{63} 7 27.7 283°.51 5°.3/25.2 18

6 20	20 58.36	−28 56.7	1.510	2.370	16.4	19.8
6 30	20 54.19	−29 43.9	1.429	2.357	13.0	19.5
7 10	20 46.88	−30 32.6	1.369	2.344	9.2	19.2
7 20	20 37.04	−31 15.3	1.331	2.331	5.9	19.0
7 30	20 25.84	−31 44.3	1.319	2.318	5.9	19.0
8 9	20 14.84	−31 54.1	1.331	2.305	9.2	19.1
8 19	20 5.51	−31 43.6	1.366	2.292	13.2	19.3
8 29	19 59.06	−31 14.9	1.421	2.279	17.0	19.6

43498 2001 CT_{19} 7 27.7 249°.89 5°.6/23.1 18

6 20	20 55.73	−35 41.9	2.603	3.437	11.1	18.9
6 30	20 50.92	−36 41.2	2.520	3.425	9.0	18.8
7 10	20 44.04	−37 37.4	2.460	3.413	7.0	18.6
7 20	20 35.59	−38 24.9	2.426	3.401	5.7	18.5
7 30	20 26.31	−38 58.9	2.420	3.389	6.1	18.5
8 9	20 17.13	−39 16.3	2.440	3.376	7.8	18.6
8 19	20 8.97	−39 16.3	2.485	3.363	10.0	18.8
8 29	20 2.60	−39 0.2	2.553	3.350	12.2	18.9

62376 2000 SU_{153} 7 27.7 333°.75 4°.9/30.8 18

6 20	20 49.44	− 4 46.9	1.919	2.725	15.5	18.8
6 30	20 46.23	− 4 33.6	1.832	2.718	12.8	18.6
7 10	20 41.02	− 4 36.4	1.765	2.711	9.7	18.4
7 20	20 34.27	− 4 55.8	1.720	2.705	6.7	18.2
7 30	20 26.71	− 5 30.6	1.701	2.699	5.0	18.1
8 9	20 19.26	− 6 17.5	1.707	2.693	6.3	18.2
8 19	20 12.79	− 7 12.2	1.739	2.688	9.3	18.4
8 29	20 8.07	− 8 9.7	1.794	2.684	12.5	18.6

354746 2005 TM_{90} 7 27.7 86°.79 5°.4/24.1 18

6 20	20 56.33	−33 8.9	2.177	3.020	12.7	20.8
6 30	20 51.50	−34 3.9	2.113	3.028	10.1	20.7
7 10	20 44.43	−34 55.8	2.072	3.035	7.5	20.5
7 20	20 35.73	−35 38.9	2.057	3.043	5.6	20.4
7 30	20 26.29	−36 8.0	2.068	3.050	5.8	20.5
8 9	20 17.18	−36 20.1	2.105	3.057	7.8	20.6
8 19	20 9.36	−36 15.1	2.167	3.065	10.4	20.8
8 29	20 3.58	−35 54.4	2.252	3.072	12.9	21.0

328093 2007 YH_{64} 7 27.7 111°.17 0°.3/27.5 17

6 20	20 57.97	−17 15.5	1.684	2.523	16.0	21.7
6 30	20 52.97	−17 47.7	1.621	2.539	12.4	21.5
7 10	20 45.50	−18 29.4	1.579	2.555	8.2	21.3
7 20	20 36.23	−19 16.5	1.561	2.570	3.6	21.1
7 30	20 26.16	−20 3.5	1.570	2.585	1.2	20.9
8 9	20 16.50	−20 45.7	1.606	2.599	5.8	21.3
8 19	20 8.30	−21 19.7	1.668	2.613	10.0	21.5
8 29	20 2.39	−21 43.7	1.753	2.626	13.6	21.8

23404 Bomans 7 27.7 275°.44 11°.1/ 3.8 18

6 20	20 52.57	+ 9 28.5	1.710	2.445	19.8	18.2
6 30	20 49.24	+ 9 55.1	1.603	2.420	17.7	18.0
7 10	20 43.44	+ 9 53.7	1.512	2.394	15.3	17.7
7 20	20 35.54	+ 9 18.8	1.440	2.367	12.9	17.5
7 30	20 26.31	+ 8 7.4	1.389	2.340	11.3	17.4
8 9	20 16.84	+ 6 21.5	1.361	2.313	11.3	17.3
8 19	20 8.31	+ 4 7.5	1.358	2.285	13.3	17.3
8 29	20 1.83	+ 1 36.2	1.378	2.256	16.2	17.4

128648 2004 RT_{42} 7 27.7 283°.34 3°.5/29.6 18 R

6 20	20 52.49	− 9 3.4	2.283	3.089	13.4	20.1
6 30	20 48.28	− 8 36.3	2.186	3.076	10.9	19.9
7 10	20 42.23	− 8 18.8	2.111	3.064	7.9	19.7
7 20	20 34.79	− 8 11.4	2.060	3.052	5.0	19.5
7 30	20 26.60	− 8 13.2	2.036	3.040	3.5	19.4
8 9	20 18.48	− 8 22.8	2.040	3.027	5.3	19.5
8 19	20 11.22	− 8 37.8	2.070	3.015	8.3	19.7
8 29	20 5.52	− 8 55.7	2.125	3.003	11.3	19.8

46739 1997 WH_{10} 7 27.7 231.°92 0.°3/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 52.61	−16 11.1	2.044	2.878	13.7	19.5
6 30	20 48.57	−16 33.3	1.962	2.878	10.7	19.3
7 10	20 42.51	−17 4.3	1.903	2.877	7.1	19.1
7 20	20 34.92	−17 41.5	1.869	2.876	3.2	18.9
7 30	20 26.57	−18 21.1	1.861	2.876	0.9	18.7
8 9	20 18.38	−18 59.2	1.881	2.875	4.9	19.0
8 19	20 11.24	−19 32.7	1.928	2.875	8.7	19.2
8 29	20 5.91	−19 59.4	1.998	2.874	12.1	19.4

510928 2013 EW_{49} 7 27.7 88.°80 2.°0/29.1 18

6 20	20 51.35	−11 21.2	2.311	3.127	12.9	21.6
6 30	20 47.25	−11 29.5	2.235	3.135	10.2	21.4
7 10	20 41.44	−11 48.0	2.180	3.144	7.1	21.2
7 20	20 34.38	−12 15.2	2.151	3.152	3.9	21.0
7 30	20 26.75	−12 48.6	2.149	3.160	2.0	20.9
8 9	20 19.31	−13 25.2	2.175	3.169	4.4	21.1
8 19	20 12.78	−14 2.0	2.229	3.177	7.6	21.3
8 29	20 7.79	−14 36.1	2.307	3.185	10.5	21.5

36806 2000 SD_{63} 7 27.7 296.°74 1.°7/28.7 18

6 20	20 51.65	−13 12.5	2.085	2.912	13.8	19.6
6 30	20 47.83	−13 15.3	1.995	2.904	10.9	19.4
7 10	20 42.04	−13 28.0	1.927	2.895	7.5	19.2
7 20	20 34.73	−13 49.1	1.882	2.886	3.9	18.9
7 30	20 26.63	−14 16.1	1.865	2.878	1.8	18.8
8 9	20 18.64	−14 46.0	1.875	2.869	4.9	19.0
8 19	20 11.61	−15 15.5	1.911	2.861	8.6	19.2
8 29	20 6.30	−15 42.2	1.971	2.853	11.9	19.4

288241 2003 YL_{94} 7 27.7 124.°35 3.°2/29.3 18

6 20	20 56.04	−10 30.7	2.164	2.971	14.0	20.1
6 30	20 50.93	− 9 58.4	2.086	2.979	11.2	20.0
7 10	20 43.90	− 9 35.3	2.029	2.985	8.0	19.8
7 20	20 35.48	− 9 21.4	1.997	2.992	4.9	19.6
7 30	20 26.43	− 9 15.9	1.993	2.999	3.3	19.5
8 9	20 17.62	− 9 17.0	2.017	3.005	5.2	19.6
8 19	20 9.88	− 9 23.0	2.067	3.011	8.4	19.9
8 29	20 3.87	− 9 31.5	2.142	3.017	11.4	20.1

47086 Shinseiko 7 27.7 217.°01 5.°4/31.1 18

6 20	20 53.73	− 1 56.4	2.536	3.301	13.3	18.9
6 30	20 49.02	− 1 21.7	2.438	3.293	11.2	18.7
7 10	20 42.62	− 0 59.6	2.362	3.285	8.8	18.5
7 20	20 34.94	− 0 51.1	2.310	3.276	6.6	18.4
7 30	20 26.58	− 0 56.4	2.285	3.267	5.4	18.3
8 9	20 18.27	− 1 14.3	2.288	3.257	6.2	18.3
8 19	20 10.73	− 1 42.3	2.317	3.247	8.4	18.5
8 29	20 4.60	− 2 17.2	2.371	3.236	10.8	18.6

188180 2002 JC_{84} 7 27.7 94.°39 4.°3/30.8 18

6 20	20 51.42	− 4 40.5	2.426	3.211	13.3	20.2
6 30	20 47.18	− 4 22.6	2.349	3.222	10.9	20.1
7 10	20 41.33	− 4 17.3	2.294	3.233	8.2	19.9
7 20	20 34.32	− 4 24.8	2.264	3.244	5.7	19.8
7 30	20 26.79	− 4 43.9	2.260	3.254	4.3	19.7
8 9	20 19.45	− 5 12.6	2.284	3.265	5.4	19.8
8 19	20 12.96	− 5 47.8	2.334	3.275	7.7	20.0
8 29	20 7.92	− 6 26.1	2.410	3.285	10.3	20.2

115861 2003 UE_{274} 7 27.7 164.°28 3.°2/29.9 18

6 20	20 53.23	− 7 30.2	2.397	3.192	13.1	20.7
6 30	20 48.65	− 7 29.9	2.313	3.197	10.6	20.5
7 10	20 42.37	− 7 41.5	2.251	3.201	7.7	20.3
7 20	20 34.81	− 8 4.4	2.213	3.205	4.8	20.2
7 30	20 26.64	− 8 36.8	2.204	3.208	3.2	20.1
8 9	20 18.62	− 9 15.7	2.222	3.210	4.8	20.2
8 19	20 11.47	− 9 58.0	2.268	3.213	7.7	20.4
8 29	20 5.83	−10 40.4	2.339	3.215	10.5	20.5

146476 2001 RK_{96} 7 27.7 32.°37 0.°4/27.5 17

6 20	20 55.23	−19 2.5	1.290	2.155	18.4	20.1
6 30	20 51.55	−19 8.2	1.232	2.164	14.3	19.8
7 10	20 44.91	−19 22.7	1.192	2.173	9.5	19.6
7 20	20 36.07	−19 42.0	1.174	2.183	4.2	19.3
7 30	20 26.29	−20 1.3	1.180	2.194	1.4	19.2
8 9	20 17.02	−20 16.2	1.210	2.205	6.7	19.5
8 19	20 9.56	−20 24.1	1.263	2.217	11.6	19.8
8 29	20 4.85	−20 23.9	1.337	2.230	15.7	20.1

421438 2014 FB_{50} 7 27.7 203.°33 0.°5/28.0 18

6 20	20 52.29	−13 57.4	2.168	2.994	13.4	20.8
6 30	20 48.26	−14 42.7	2.082	2.992	10.4	20.6
7 10	20 42.30	−15 39.6	2.018	2.989	7.0	20.4
7 20	20 34.85	−16 44.8	1.980	2.987	3.2	20.2
7 30	20 26.63	−17 54.0	1.970	2.984	0.9	20.0
8 9	20 18.50	−19 2.1	1.988	2.982	4.8	20.3
8 19	20 11.30	−20 4.9	2.033	2.979	8.4	20.5
8 29	20 5.78	−20 59.0	2.104	2.975	11.7	20.7

58401 1995 VV_{13} 7 27.7 3.°52 1.°0/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 50.86	−14 23.7	1.902	2.740	14.5	19.9
6 30	20 47.36	−14 42.4	1.824	2.739	11.3	19.7
7 10	20 41.78	−15 11.9	1.766	2.739	7.7	19.5
7 20	20 34.64	−15 49.7	1.733	2.740	3.7	19.2
7 30	20 26.72	−16 32.1	1.727	2.741	1.2	19.0
8 9	20 18.98	−17 14.9	1.747	2.742	5.1	19.3
8 19	20 12.33	−17 54.5	1.792	2.743	9.0	19.6
8 29	20 7.54	−18 27.9	1.862	2.745	12.4	19.8

247159 2000 YK_{51} 7 27.7 307.°58 5.°8/22.7 18

6 20	20 54.77	−25 20.9	1.695	2.552	15.1	19.2
6 30	20 51.22	−27 45.3	1.618	2.546	11.7	19.0
7 10	20 44.90	−30 20.4	1.565	2.540	8.3	18.8
7 20	20 36.24	−32 55.5	1.539	2.534	5.9	18.6
7 30	20 26.18	−35 18.1	1.540	2.528	6.7	18.7
8 9	20 16.02	−37 18.0	1.568	2.523	9.9	18.8
8 19	20 7.10	−38 49.4	1.621	2.517	13.4	19.0
8 29	20 0.64	−39 51.6	1.696	2.512	16.6	19.2

74379 1998 XU_{12} 7 27.7 255.°69 3.°3/29.6 18

6 20	20 52.81	− 9 15.5	2.012	2.826	14.7	19.7
6 30	20 48.75	− 9 4.6	1.925	2.822	11.8	19.5
7 10	20 42.66	− 9 5.9	1.859	2.818	8.5	19.3
7 20	20 35.03	− 9 18.9	1.818	2.813	5.2	19.1
7 30	20 26.61	− 9 42.1	1.802	2.809	3.3	18.9
8 9	20 18.33	−10 12.5	1.814	2.805	5.4	19.1
8 19	20 11.05	−10 46.7	1.851	2.801	8.9	19.3
8 29	20 5.56	−11 21.2	1.913	2.796	12.2	19.5

459656 2013 KO_{4} 7 27.7 43.°25 1.°1/27.2 17

6 20	20 54.83	−18 11.0	1.154	2.026	19.7	20.8
6 30	20 51.58	−18 49.8	1.100	2.036	15.2	20.6
7 10	20 45.13	−19 41.5	1.064	2.047	10.0	20.3
7 20	20 36.24	−20 40.0	1.048	2.058	4.4	20.1
7 30	20 26.27	−21 37.3	1.056	2.070	2.0	19.9
8 9	20 16.83	−22 26.1	1.088	2.083	7.5	20.3
8 19	20 9.36	−23 1.9	1.142	2.095	12.6	20.6
8 29	20 4.89	−23 23.0	1.216	2.108	16.9	20.9

113694 2002 TB_{121} 7 27.7 351.°39 0.°9/27.2 18

6 20	20 55.51	−20 53.6	1.904	2.747	14.2	19.8
6 30	20 50.98	−20 59.9	1.826	2.746	11.0	19.6
7 10	20 44.19	−21 10.8	1.769	2.746	7.3	19.4
7 20	20 35.71	−21 23.2	1.737	2.746	3.2	19.1
7 30	20 26.43	−21 33.7	1.732	2.745	1.5	19.0
8 9	20 17.41	−21 39.4	1.753	2.745	5.5	19.3
8 19	20 9.64	−21 38.7	1.801	2.745	9.4	19.5
8 29	20 3.91	−21 31.1	1.872	2.745	12.9	19.7

514253 2015 PO_{121} 7 27.7 305.°98 0.°5/27.3 18

6 20	20 50.61	−16 40.1	1.988	2.829	13.8	20.9
6 30	20 47.26	−17 29.2	1.898	2.818	10.7	20.7
7 10	20 41.81	−18 29.4	1.830	2.807	7.1	20.5
7 20	20 34.71	−19 37.0	1.787	2.796	3.1	20.2
7 30	20 26.71	−20 46.9	1.771	2.785	1.3	20.0
8 9	20 18.74	−21 53.5	1.782	2.774	5.4	20.3
8 19	20 11.76	−22 52.2	1.819	2.764	9.3	20.5
8 29	20 6.59	−23 40.0	1.880	2.753	12.8	20.7

507175 2010 GB_{149} 7 27.7 149.°60 1.°0/27.2 18

6 20	20 58.76	−21 44.1	1.913	2.751	14.4	21.3
6 30	20 53.42	−21 45.3	1.837	2.755	11.1	21.1
7 10	20 45.76	−21 49.9	1.783	2.758	7.4	20.9
7 20	20 36.39	−21 54.7	1.753	2.762	3.3	20.6
7 30	20 26.24	−21 56.5	1.751	2.764	1.6	20.5
8 9	20 16.41	−21 52.9	1.776	2.767	5.6	20.8
8 19	20 7.92	−21 42.9	1.828	2.770	9.5	21.0
8 29	20 1.57	−21 26.5	1.904	2.772	12.9	21.3

18355 1990 RN_{9} 7 27.7 310.°73 0.°1/27.7 18

6 20	20 56.91	−20 18.9	1.569	2.420	16.4	17.6
6 30	20 52.87	−19 54.4	1.469	2.394	12.9	17.3
7 10	20 45.96	−19 33.2	1.389	2.367	8.8	17.0
7 20	20 36.70	−19 13.1	1.332	2.341	4.0	16.6
7 30	20 26.09	−18 51.7	1.301	2.315	1.2	16.4
8 9	20 15.47	−18 26.9	1.295	2.290	6.5	16.7
8 19	20 6.20	−17 58.1	1.314	2.265	11.5	16.9
8 29	19 59.44	−17 25.4	1.354	2.241	15.9	17.1

231338 2006 DW_{200} 7 27.7 160.°02 1.°3/26.8 18

6 20	20 54.72	−18 48.4	2.115	2.950	13.3	20.6
6 30	20 50.20	−19 45.9	2.038	2.955	10.3	20.5
7 10	20 43.61	−20 51.8	1.983	2.959	6.8	20.2
7 20	20 35.46	−22 1.6	1.954	2.963	3.0	20.0
7 30	20 26.51	−23 9.8	1.954	2.966	1.8	19.9
8 9	20 17.71	−24 11.4	1.982	2.969	5.4	20.2
8 19	20 9.97	−25 2.7	2.036	2.972	9.0	20.4
8 29	20 4.05	−25 42.0	2.115	2.974	12.2	20.6

337332 2001 DC_{78} 7 27.7 268°.55 2°.5/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 52.43	− 8 26.4	2.000	2.812	14.8	21.1
6 30	20 48.70	− 8 59.4	1.895	2.792	11.9	20.8
7 10	20 42.83	− 9 49.5	1.811	2.771	8.5	20.6
7 20	20 35.21	−10 55.1	1.752	2.751	4.8	20.3
7 30	20 26.56	−12 12.8	1.719	2.730	2.5	20.1
8 9	20 17.81	−13 37.1	1.714	2.708	5.3	20.3
8 19	20 9.94	−15 2.1	1.736	2.686	9.3	20.5
8 29	20 3.84	−16 22.2	1.783	2.664	13.0	20.6

47417 1999 XL_{160} 7 27.7 62°.37 0°.1/27.8 18 R

6 20	20 54.16	−15 17.7	1.462	2.313	17.4	18.0
6 30	20 50.50	−15 57.6	1.396	2.320	13.5	17.7
7 10	20 44.17	−16 51.5	1.349	2.327	9.0	17.5
7 20	20 35.79	−17 55.0	1.325	2.334	4.0	17.2
7 30	20 26.42	−19 1.5	1.326	2.341	1.2	17.0
8 9	20 17.37	−20 4.4	1.353	2.348	6.2	17.4
8 19	20 9.83	−20 58.3	1.405	2.356	10.9	17.7
8 29	20 4.75	−21 40.2	1.478	2.363	14.9	17.9

222489 2001 SO_{181} 7 27.7 334°.00 0°.1/27.7 17

6 20	20 48.96	−16 39.3	1.208	2.083	18.8	20.4
6 30	20 47.22	−16 57.5	1.129	2.066	14.8	20.1
7 10	20 42.47	−17 29.9	1.068	2.051	10.0	19.7
7 20	20 35.21	−18 13.5	1.027	2.037	4.5	19.4
7 30	20 26.56	−19 2.2	1.009	2.024	1.3	19.1
8 9	20 18.00	−19 49.3	1.014	2.012	7.2	19.5
8 19	20 11.02	−20 29.0	1.040	2.001	12.7	19.7
8 29	20 6.88	−20 57.3	1.086	1.991	17.5	20.0

361491 2007 DP_{117} 7 27.7 262°.29 3°.1/25.7 18

6 20	20 54.80	−27 43.1	2.390	3.231	11.8	21.1
6 30	20 50.12	−28 10.2	2.306	3.225	9.2	20.9
7 10	20 43.48	−28 37.5	2.246	3.218	6.3	20.7
7 20	20 35.37	−29 1.0	2.211	3.212	3.7	20.5
7 30	20 26.55	−29 16.9	2.203	3.205	3.5	20.5
8 9	20 17.91	−29 22.6	2.223	3.199	5.9	20.6
8 19	20 10.30	−29 17.2	2.270	3.192	8.9	20.8
8 29	20 4.43	−29 1.0	2.340	3.186	11.6	21.0

476129 2007 TS_{228} 7 27.7 282°.96 0°.5/27.9 18

6 20	20 53.75	−16 17.3	1.982	2.817	14.1	21.6
6 30	20 49.77	−16 29.1	1.879	2.794	11.1	21.4
7 10	20 43.55	−16 49.9	1.797	2.771	7.5	21.1
7 20	20 35.53	−17 17.3	1.740	2.748	3.5	20.8
7 30	20 26.47	−17 48.3	1.710	2.724	1.0	20.6
8 9	20 17.37	−18 18.9	1.707	2.701	5.3	20.9
8 19	20 9.23	−18 46.0	1.729	2.677	9.5	21.1
8 29	20 2.99	−19 7.2	1.776	2.653	13.2	21.2

334383 2002 BL_{24} 7 27.7 240°.25 4°.3/29.5 18

6 20	20 58.40	− 8 44.7	2.114	2.911	14.6	21.4
6 30	20 53.06	− 8 0.5	2.013	2.897	11.9	21.2
7 10	20 45.55	− 7 25.5	1.933	2.882	8.8	20.9
7 20	20 36.36	− 7 0.6	1.878	2.867	5.8	20.7
7 30	20 26.24	− 6 45.9	1.851	2.851	4.3	20.6
8 9	20 16.15	− 6 40.5	1.851	2.835	6.1	20.7
8 19	20 7.03	− 6 42.8	1.879	2.818	9.4	20.8
8 29	19 59.74	− 6 50.2	1.930	2.801	12.6	21.0

445006 2008 GQ_{137} 7 27.7 1°.68 3°.0/25.5 18

6 20	20 51.07	−23 36.9	1.996	2.849	13.3	20.3
6 30	20 47.61	−24 39.9	1.922	2.848	10.3	20.1
7 10	20 42.00	−25 48.4	1.870	2.848	6.9	19.9
7 20	20 34.78	−26 56.9	1.843	2.848	3.7	19.8
7 30	20 26.73	−27 59.6	1.843	2.849	3.5	19.7
8 9	20 18.84	−28 51.4	1.870	2.850	6.5	19.9
8 19	20 12.04	−29 29.3	1.923	2.851	9.9	20.1
8 29	20 7.16	−29 52.4	1.998	2.853	12.9	20.3

293489 2007 FS_{31} 7 27.7 81°.43 3°.2/30.1 18

6 20	20 50.24	− 7 33.5	2.433	3.233	12.8	20.9
6 30	20 46.37	− 7 30.6	2.348	3.235	10.4	20.8
7 10	20 40.88	− 7 39.2	2.285	3.236	7.6	20.6
7 20	20 34.19	− 7 59.0	2.246	3.237	4.8	20.4
7 30	20 26.91	− 8 28.2	2.235	3.239	3.2	20.3
8 9	20 19.77	− 9 4.2	2.251	3.240	4.7	20.4
8 19	20 13.44	− 9 43.9	2.295	3.241	7.5	20.6
8 29	20 8.52	−10 24.3	2.363	3.243	10.3	20.8

134215 2005 TD_{164} 7 27.7 32°.42 1°.1/28.4 18

6 20	20 52.26	−14 52.3	2.040	2.872	13.8	19.9
6 30	20 48.25	−14 55.5	1.963	2.876	10.8	19.7
7 10	20 42.27	−15 7.3	1.908	2.879	7.3	19.5
7 20	20 34.84	−15 25.9	1.878	2.883	3.6	19.3
7 30	20 26.72	−15 48.6	1.874	2.888	1.3	19.1
8 9	20 18.83	−16 12.3	1.897	2.892	4.8	19.4
8 19	20 11.99	−16 34.3	1.947	2.896	8.5	19.6
8 29	20 6.93	−16 52.5	2.021	2.901	11.7	19.9

249583 1995 TB_{12} 7 27.7 0°.95 1°.3/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 52.90	−21 15.0	1.820	2.671	14.5	20.3
6 30	20 49.09	−21 32.1	1.744	2.670	11.2	20.1
7 10	20 43.01	−21 54.3	1.691	2.670	7.4	19.9
7 20	20 35.21	−22 18.3	1.661	2.670	3.3	19.7
7 30	20 26.61	−22 39.8	1.657	2.670	1.9	19.6
8 9	20 18.25	−22 55.4	1.680	2.671	5.8	19.8
8 19	20 11.15	−23 3.0	1.728	2.672	9.7	20.1
8 29	20 6.11	−23 1.9	1.798	2.674	13.2	20.3

511108 2013 WE 7 27.7 299°.76 3°.6/24.9 18

6 20	20 54.09	−18 11.4	1.481	2.337	16.9	21.4
6 30	20 51.35	−20 13.6	1.370	2.300	13.3	21.1
7 10	20 45.53	−22 41.8	1.281	2.262	9.0	20.7
7 20	20 36.82	−25 28.7	1.216	2.224	4.6	20.4
7 30	20 25.99	−28 21.7	1.179	2.186	4.7	20.3
8 9	20 14.41	−31 5.3	1.169	2.147	9.6	20.4
8 19	20 3.76	−33 26.4	1.183	2.108	14.9	20.6
8 29	19 55.70	−35 18.0	1.219	2.070	19.7	20.8

520984 2015 AS_{285} 7 27.7 157°.32 0°.6/28.0 17

6 20	20 56.51	−15 25.6	1.744	2.579	15.7	22.2
6 30	20 51.91	−15 45.2	1.668	2.583	12.3	22.0
7 10	20 44.91	−16 15.6	1.614	2.587	8.2	21.8
7 20	20 36.08	−16 53.7	1.583	2.590	3.8	21.5
7 30	20 26.35	−17 35.0	1.579	2.593	1.1	21.3
8 9	20 16.88	−18 15.1	1.602	2.596	5.6	21.6
8 19	20 8.70	−18 50.3	1.650	2.598	9.8	21.9
8 29	20 2.71	−19 18.0	1.722	2.600	13.5	22.1

217675 1998 WL_{42} 7 27.7 210°.26 1°.0/28.4 18

6 20	20 51.21	−14 25.9	2.767	3.584	11.0	21.3
6 30	20 46.96	−14 35.6	2.676	3.580	8.6	21.1
7 10	20 41.21	−14 52.3	2.608	3.576	5.9	20.9
7 20	20 34.33	−15 14.4	2.567	3.572	2.9	20.7
7 30	20 26.89	−15 39.8	2.554	3.567	1.1	20.6
8 9	20 19.55	−16 6.1	2.569	3.562	3.8	20.8
8 19	20 12.94	−16 31.1	2.613	3.558	6.8	21.0
8 29	20 7.63	−16 53.1	2.682	3.552	9.5	21.1

26341 1998 XK_{9} 7 27.7 296°.86 2°.4/26.2 18

6 20	20 53.15	−22 16.7	1.862	2.713	14.2	18.7
6 30	20 49.40	−23 5.9	1.779	2.705	11.0	18.5
7 10	20 43.32	−24 1.8	1.719	2.698	7.3	18.3
7 20	20 35.41	−24 59.3	1.683	2.690	3.6	18.0
7 30	20 26.54	−25 52.8	1.674	2.683	2.9	18.0
8 9	20 17.79	−26 36.9	1.691	2.676	6.5	18.2
8 19	20 10.21	−27 8.5	1.733	2.668	10.3	18.4
8 29	20 4.71	−27 26.5	1.798	2.662	13.8	18.6

496215 2011 UA_{299} 7 27.7 324°.63 3°.0/26.5 17

6 20	20 50.07	−21 43.4	0.997	1.890	20.3	21.3
6 30	20 48.90	−22 17.7	0.921	1.870	16.0	20.9
7 10	20 44.08	−23 4.0	0.862	1.850	10.8	20.6
7 20	20 36.12	−23 55.9	0.821	1.832	5.2	20.2
7 30	20 26.28	−24 44.5	0.802	1.814	3.8	20.1
8 9	20 16.49	−25 20.8	0.803	1.798	9.4	20.3
8 19	20 8.66	−25 39.4	0.824	1.782	15.4	20.6
8 29	20 4.35	−25 38.9	0.862	1.769	20.7	20.8

286568 2002 CP_{205} 7 27.7 264°.00 1°.9/29.1 18

6 20	20 50.54	−10 36.5	2.288	3.103	13.1	20.6
6 30	20 46.82	−10 59.3	2.196	3.096	10.4	20.4
7 10	20 41.31	−11 34.1	2.126	3.090	7.3	20.2
7 20	20 34.44	−12 19.3	2.082	3.083	3.9	20.0
7 30	20 26.86	−13 11.9	2.065	3.076	1.9	19.8
8 9	20 19.34	−14 8.1	2.075	3.069	4.5	20.0
8 19	20 12.66	−15 3.9	2.113	3.062	7.9	20.2
8 29	20 7.51	−15 55.9	2.176	3.055	11.1	20.4

198126 2004 TS_{18} 7 27.7 322°.88 3°.1/29.4 18

6 20	20 49.69	− 9 39.7	1.477	2.319	17.7	20.0
6 30	20 47.19	− 9 50.9	1.391	2.305	14.2	19.7
7 10	20 42.12	−10 20.6	1.323	2.292	10.2	19.5
7 20	20 34.98	−11 7.6	1.277	2.278	5.8	19.2
7 30	20 26.67	−12 8.5	1.255	2.266	3.1	19.0
8 9	20 18.41	−13 17.2	1.257	2.254	6.3	19.1
8 19	20 11.38	−14 27.2	1.284	2.243	11.0	19.4
8 29	20 6.67	−15 32.4	1.332	2.232	15.3	19.6

28954 Feiyiou 7 27.7 264°.42 0°.2/27.6 18

6 20	20 54.33	−17 31.1	1.904	2.743	14.4	18.9
6 30	20 50.26	−17 55.4	1.811	2.729	11.3	18.7
7 10	20 43.89	−18 28.9	1.739	2.715	7.5	18.4
7 20	20 35.69	−19 8.3	1.692	2.700	3.4	18.1
7 30	20 26.47	−19 49.5	1.671	2.686	1.1	17.9
8 9	20 17.30	−20 28.0	1.678	2.671	5.5	18.2
8 19	20 9.21	−21 0.3	1.710	2.656	9.7	18.4
8 29	20 3.12	−21 24.2	1.766	2.640	13.4	18.6

85425 1997 AM_3 7 27.7 97°.11 0°.9/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 56.76	−18 1.9	1.546	2.395	16.7	19.5
6 30	20 52.35	−18 45.2	1.484	2.407	12.9	19.3
7 10	20 45.29	−19 38.9	1.441	2.419	8.5	19.1
7 20	20 36.27	−20 37.9	1.422	2.432	3.7	18.8
7 30	20 26.34	−21 35.8	1.430	2.443	1.7	18.7
8 9	20 16.79	−22 26.6	1.463	2.455	6.3	19.1
8 19	20 8.78	−23 6.4	1.521	2.467	10.7	19.3
8 29	20 3.22	−23 33.7	1.602	2.478	14.5	19.6

448527 2010 OO_{99} 7 27.7 265°.48 9°.5/21.2 18

6 20	21 8.02	−49 57.9	2.532	3.322	12.7	21.6
6 30	21 0.95	−50 50.9	2.456	3.306	11.2	21.4
7 10	20 50.96	−51 31.2	2.401	3.291	10.1	21.3
7 20	20 38.77	−51 51.8	2.369	3.275	9.5	21.3
7 30	20 25.59	−51 47.0	2.362	3.258	9.9	21.3
8 9	20 12.86	−51 14.9	2.379	3.242	11.0	21.3
8 19	20 1.89	−50 17.4	2.419	3.226	12.6	21.4
8 29	19 53.67	−48 59.0	2.480	3.209	14.2	21.5

242839 2006 DD_{95} 7 27.7 273°.65 1°.3/28.5 18

6 20	20 53.10	−13 38.3	1.830	2.664	15.1	20.5
6 30	20 49.30	−13 53.3	1.741	2.654	11.9	20.2
7 10	20 43.24	−14 20.3	1.674	2.645	8.2	20.0
7 20	20 35.39	−14 57.0	1.630	2.635	4.0	19.7
7 30	20 26.59	−15 39.9	1.612	2.626	1.5	19.5
8 9	20 17.86	−16 24.6	1.621	2.616	5.4	19.8
8 19	20 10.25	−17 6.9	1.655	2.606	9.6	20.0
8 29	20 4.62	−17 43.5	1.713	2.597	13.3	20.2

426089 2012 DQ_{52} 7 27.7 218°.56 2°.3/26.7 17

6 20	21 0.70	−23 26.8	1.666	2.512	15.8	21.6
6 30	20 55.52	−23 47.5	1.584	2.506	12.3	21.3
7 10	20 47.52	−24 12.3	1.522	2.499	8.3	21.1
7 20	20 37.33	−24 36.4	1.485	2.493	4.0	20.8
7 30	20 26.01	−24 54.4	1.474	2.485	2.8	20.7
8 9	20 14.93	−25 2.3	1.490	2.477	6.9	20.9
8 19	20 5.35	−24 58.7	1.531	2.469	11.2	21.2
8 29	19 58.32	−24 43.9	1.594	2.460	15.1	21.4

233584 2007 RQ_2 7 27.7 14°.83 3°.9/26.5 17

6 20	20 55.29	−27 23.8	1.206	2.085	18.5	19.1
6 30	20 51.91	−27 26.8	1.152	2.092	14.4	18.8
7 10	20 45.28	−27 29.1	1.117	2.100	9.8	18.6
7 20	20 36.30	−27 25.0	1.103	2.109	5.3	18.4
7 30	20 26.38	−27 9.7	1.112	2.120	4.3	18.3
8 9	20 17.16	−26 41.1	1.144	2.132	8.2	18.6
8 19	20 10.01	−26 0.1	1.198	2.146	12.7	18.9
8 29	20 5.87	−25 9.5	1.272	2.161	16.6	19.2

191086 2002 CB_{280} 7 27.7 277°.67 3°.3/29.2 18

6 20	20 55.06	−10 40.8	1.829	2.650	15.6	20.4
6 30	20 50.95	−10 22.4	1.725	2.627	12.7	20.1
7 10	20 44.45	−10 15.6	1.642	2.604	9.1	19.9
7 20	20 36.00	−10 20.2	1.582	2.580	5.4	19.6
7 30	20 26.40	−10 35.0	1.548	2.556	3.3	19.4
8 9	20 16.73	−10 57.4	1.540	2.532	6.0	19.5
8 19	20 8.07	−11 24.0	1.558	2.508	10.1	19.7
8 29	20 1.43	−11 51.5	1.599	2.483	14.1	19.9

391655 2007 WO_{21} 7 27.7 2°.30 7°.6/30.5 17

6 20	20 51.46	− 5 19.5	1.388	2.217	19.3	19.7
6 30	20 48.45	− 4 2.4	1.318	2.215	16.1	19.5
7 10	20 42.85	− 3 1.3	1.266	2.215	12.5	19.3
7 20	20 35.25	− 2 19.8	1.235	2.215	9.2	19.1
7 30	20 26.67	− 1 59.7	1.226	2.217	7.6	19.0
8 9	20 18.37	− 1 59.9	1.240	2.220	8.9	19.1
8 19	20 11.50	− 2 16.7	1.277	2.225	12.1	19.3
8 29	20 7.01	− 2 44.9	1.334	2.230	15.5	19.5

86807 2000 GE_{116} 7 27.7 186°.34 0°.3/27.5 18

6 20	20 56.73	−17 22.5	1.975	2.807	14.3	20.3
6 30	20 51.90	−17 52.2	1.893	2.807	11.1	20.1
7 10	20 44.84	−18 30.7	1.832	2.806	7.4	19.9
7 20	20 36.07	−19 14.3	1.797	2.805	3.3	19.6
7 30	20 26.43	−19 58.9	1.789	2.803	1.1	19.5
8 9	20 16.96	−20 39.8	1.809	2.801	5.3	19.8
8 19	20 8.63	−21 14.0	1.856	2.798	9.3	20.0
8 29	20 2.28	−21 39.5	1.926	2.795	12.7	20.2

91946 1999 VM_{65} 7 27.7 8°.88 10°.5/20.7 18

6 20	20 54.71	−41 45.0	1.630	2.485	15.7	17.9
6 30	20 51.50	−43 26.7	1.581	2.487	13.3	17.7
7 10	20 45.13	−44 58.4	1.552	2.491	11.4	17.6
7 20	20 36.33	−46 10.3	1.545	2.495	10.5	17.6
7 30	20 26.36	−46 54.1	1.561	2.501	11.2	17.6
8 9	20 16.85	−47 6.1	1.599	2.507	12.9	17.8
8 19	20 9.22	−46 47.5	1.657	2.514	15.1	17.9
8 29	20 4.53	−46 3.1	1.733	2.522	17.3	18.1

165965 2001 XT_{184} 7 27.7 227°.94 1°.0/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 58.15	−16 3.8	1.505	2.349	17.3	20.4
6 30	20 53.68	−16 1.9	1.425	2.344	13.7	20.1
7 10	20 46.39	−16 10.3	1.365	2.339	9.3	19.8
7 20	20 36.89	−16 26.5	1.327	2.334	4.4	19.5
7 30	20 26.23	−16 46.8	1.315	2.329	1.4	19.3
8 9	20 15.79	−17 7.1	1.328	2.324	6.3	19.6
8 19	20 6.86	−17 24.2	1.366	2.318	11.1	19.9
8 29	20 0.47	−17 35.9	1.427	2.312	15.4	20.1

445480 2010 VM_{138} 7 27.7 220°.28 2°.6/29.3 18

6 20	20 52.73	−10 49.6	2.448	3.255	12.5	20.8
6 30	20 48.31	−10 31.4	2.359	3.253	10.0	20.6
7 10	20 42.20	−10 21.9	2.293	3.251	7.1	20.4
7 20	20 34.84	−10 20.5	2.253	3.249	4.2	20.2
7 30	20 26.87	−10 26.1	2.240	3.247	2.6	20.1
8 9	20 19.04	−10 37.0	2.254	3.245	4.6	20.2
8 19	20 12.05	−10 51.0	2.297	3.243	7.6	20.4
8 29	20 6.54	−11 5.9	2.364	3.240	10.4	20.6

130945 2000 WC_{55} 7 27.7 223°.84 1°.7/26.5 18

6 20	20 55.85	−21 35.4	2.318	3.151	12.4	20.6
6 30	20 51.05	−22 16.5	2.225	3.140	9.6	20.4
7 10	20 44.23	−23 3.1	2.154	3.129	6.4	20.1
7 20	20 35.82	−23 51.4	2.110	3.117	3.0	19.9
7 30	20 26.56	−24 36.9	2.094	3.105	2.2	19.8
8 9	20 17.35	−25 15.5	2.107	3.092	5.4	20.0
8 19	20 9.06	−25 44.6	2.147	3.079	8.8	20.2
8 29	20 2.50	−26 3.2	2.211	3.065	11.9	20.4

385472 2003 UP_{193} 7 27.7 247°.80 7°.3/ 1.5 16

6 20	20 51.81	+ 1 57.1	2.028	2.793	16.2	20.9
6 30	20 48.03	+ 2 25.0	1.937	2.786	13.8	20.8
7 10	20 42.26	+ 2 33.9	1.865	2.779	11.3	20.6
7 20	20 34.96	+ 2 22.0	1.816	2.771	8.8	20.4
7 30	20 26.82	+ 1 48.9	1.790	2.764	7.4	20.3
8 9	20 18.74	+ 0 57.1	1.790	2.756	7.9	20.3
8 19	20 11.59	− 0 9.0	1.815	2.749	10.1	20.4
8 29	20 6.15	− 1 23.6	1.865	2.741	12.7	20.6

342269 2008 SX_{309} 7 27.7 308°.27 1°.5/26.9 18

6 20	20 52.34	−19 27.8	1.626	2.482	15.7	20.3
6 30	20 49.17	−20 10.0	1.540	2.468	12.2	20.0
7 10	20 43.42	−21 2.6	1.474	2.454	8.1	19.8
7 20	20 35.59	−22 0.9	1.431	2.440	3.7	19.5
7 30	20 26.61	−22 58.8	1.414	2.427	2.2	19.3
8 9	20 17.69	−23 50.1	1.423	2.414	6.6	19.6
8 19	20 10.02	−24 30.4	1.456	2.402	11.1	19.8
8 29	20 4.65	−24 57.5	1.511	2.389	15.1	20.0

377978 2006 PZ_{17} 7 27.7 346°.38 1°.9/28.4 17

6 20	20 43.48	−15 54.0	0.893	1.793	21.5	20.0
6 30	20 43.70	−15 34.0	0.825	1.776	17.1	19.6
7 10	20 40.52	−15 28.1	0.772	1.761	11.8	19.3
7 20	20 34.51	−15 35.6	0.738	1.747	5.8	18.9
7 30	20 26.94	−15 52.8	0.722	1.736	2.1	18.6
8 9	20 19.59	−16 14.3	0.726	1.728	7.9	19.0
8 19	20 14.16	−16 34.5	0.748	1.722	14.0	19.3
8 29	20 12.02	−16 48.8	0.788	1.718	19.4	19.5

6466 Drewesquivel 7 27.7 92°.25 0°.2/27.8 18

6 20	20 54.23	−13 53.8	1.735	2.570	15.7	17.7
6 30	20 50.15	−14 54.6	1.667	2.583	12.2	17.5
7 10	20 43.76	−16 9.6	1.621	2.595	8.1	17.3
7 20	20 35.63	−17 33.9	1.599	2.607	3.6	17.0
7 30	20 26.66	−19 1.0	1.605	2.619	1.0	16.9
8 9	20 17.94	−20 24.1	1.638	2.631	5.6	17.2
8 19	20 10.50	−21 37.5	1.697	2.643	9.7	17.5
8 29	20 5.16	−22 38.0	1.779	2.655	13.3	17.7

202242 2005 AB_{11} 7 27.7 99°.05 0°.6/28.0 18

6 20	20 58.44	−17 42.3	1.973	2.802	14.4	19.9
6 30	20 52.97	−17 28.3	1.904	2.815	11.2	19.7
7 10	20 45.37	−17 20.1	1.856	2.828	7.5	19.5
7 20	20 36.25	−17 15.6	1.834	2.841	3.4	19.3
7 30	20 26.50	−17 12.6	1.839	2.853	1.1	19.2
8 9	20 17.12	−17 9.2	1.872	2.866	5.0	19.5
8 19	20 9.03	−17 3.9	1.932	2.878	8.8	19.7
8 29	20 2.93	−16 56.0	2.016	2.890	12.0	20.0

105550 2000 RY_{45} 7 27.7 313°.25 4°.3/25.5 18

6 20	20 55.88	−29 27.0	1.935	2.786	13.8	19.1
6 30	20 51.55	−29 55.0	1.850	2.773	10.8	18.9
7 10	20 44.78	−30 22.2	1.787	2.760	7.6	18.7
7 20	20 36.12	−30 43.5	1.748	2.747	4.8	18.5
7 30	20 26.51	−30 54.0	1.735	2.735	4.7	18.5
8 9	20 17.09	−30 50.4	1.748	2.723	7.4	18.6
8 19	20 8.96	−30 32.1	1.787	2.711	10.8	18.8
8 29	20 3.02	−30 0.4	1.847	2.699	13.9	19.0

452075 2014 OW_{365} 7 27.7 297°.18 0°.5/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 49.68	−15 19.0	2.558	3.384	11.6	21.7
6 30	20 46.00	−15 42.4	2.468	3.378	9.0	21.5
7 10	20 40.71	−16 13.6	2.400	3.371	6.1	21.3
7 20	20 34.21	−16 50.6	2.358	3.365	2.8	21.1
7 30	20 27.09	−17 30.5	2.344	3.358	0.8	20.9
8 9	20 20.05	−18 10.1	2.358	3.352	4.1	21.2
8 19	20 13.77	−18 46.7	2.400	3.346	7.3	21.4
8 29	20 8.87	−19 18.2	2.466	3.340	10.1	21.5

349754 2008 YP_{171} 7 27.7 282°.96 1°.1/27.3 18

6 20	20 58.46	−22 15.2	1.880	2.721	14.5	21.1
6 30	20 53.61	−22 11.2	1.780	2.700	11.4	20.8
7 10	20 46.22	−22 10.1	1.702	2.678	7.6	20.5
7 20	20 36.81	−22 8.6	1.648	2.656	3.5	20.2
7 30	20 26.30	−22 3.7	1.620	2.634	1.7	20.1
8 9	20 15.83	−21 52.5	1.621	2.612	5.9	20.3
8 19	20 6.56	−21 34.2	1.647	2.589	10.2	20.5
8 29	19 59.49	−21 8.9	1.696	2.567	14.1	20.7

15947 Milligan 7 27.7 274°.61 0°.9/28.3 18

6 20	20 53.64	−14 16.1	1.768	2.604	15.5	18.6
6 30	20 49.94	−14 39.0	1.673	2.588	12.2	18.3
7 10	20 43.83	−15 14.6	1.598	2.571	8.3	18.0
7 20	20 35.77	−16 0.5	1.548	2.555	4.0	17.8
7 30	20 26.60	−16 52.4	1.524	2.538	1.2	17.5
8 9	20 17.42	−17 45.3	1.526	2.521	5.7	17.8
8 19	20 9.33	−18 34.4	1.553	2.504	10.1	18.0
8 29	20 3.32	−19 16.2	1.604	2.487	14.1	18.2

332295 2006 UG_{24} 7 27.7 303°.58 6°.8/30.4 17

6 20	20 52.08	− 5 21.7	1.400	2.227	19.3	20.5
6 30	20 49.36	− 4 39.4	1.303	2.202	16.1	20.3
7 10	20 43.83	− 4 14.7	1.224	2.177	12.5	20.0
7 20	20 35.92	− 4 10.5	1.165	2.152	8.8	19.7
7 30	20 26.53	− 4 27.9	1.129	2.127	6.8	19.5
8 9	20 16.97	− 5 4.7	1.115	2.103	8.6	19.5
8 19	20 8.62	− 5 55.9	1.125	2.079	12.7	19.7
8 29	20 2.74	− 6 54.9	1.155	2.055	17.0	19.9

315438 2007 VP_{326} 7 27.7 130°.21 0°.6/27.5 17

6 20	21 0.63	−19 14.2	1.762	2.597	15.6	21.4
6 30	20 54.99	−19 28.5	1.695	2.611	12.0	21.2
7 10	20 46.89	−19 49.3	1.649	2.624	8.0	20.9
7 20	20 36.98	−20 13.1	1.628	2.636	3.5	20.7
7 30	20 26.30	−20 35.4	1.634	2.648	1.3	20.6
8 9	20 16.02	−20 52.9	1.667	2.659	5.7	20.9
8 19	20 7.21	−21 3.5	1.727	2.669	9.8	21.2
8 29	20 0.71	−21 6.4	1.809	2.679	13.4	21.4

349302 2007 UF_{9} 7 27.7 257°.09 3°.6/25.4 18

6 20	20 55.47	−26 25.6	2.050	2.897	13.3	20.8
6 30	20 51.11	−27 14.2	1.964	2.886	10.3	20.6
7 10	20 44.45	−28 5.8	1.901	2.875	7.1	20.4
7 20	20 35.98	−28 55.1	1.862	2.864	4.2	20.2
7 30	20 26.56	−29 36.4	1.851	2.853	4.0	20.2
8 9	20 17.24	−30 5.5	1.866	2.841	6.9	20.3
8 19	20 9.05	−30 20.3	1.907	2.830	10.3	20.5
8 29	20 2.88	−30 20.7	1.971	2.818	13.4	20.7

415763 2000 SQ_{69} 7 27.7 301°.85 6°.8/24.4 17

6 20	20 57.11	−29 58.3	1.308	2.180	17.8	20.2
6 30	20 53.84	−31 6.8	1.232	2.166	14.2	19.9
7 10	20 47.07	−32 17.9	1.176	2.152	10.3	19.7
7 20	20 37.41	−33 22.0	1.141	2.138	7.3	19.5
7 30	20 26.12	−34 8.9	1.130	2.125	7.5	19.4
8 9	20 15.01	−34 31.3	1.142	2.112	10.9	19.6
8 19	20 5.79	−34 27.2	1.175	2.099	15.1	19.8
8 29	19 59.82	−33 59.5	1.226	2.087	19.0	20.0

50139 2000 AH_{129} 7 27.7 291°.73 3°.5/29.1 18

6 20	20 55.93	−11 51.1	1.521	2.357	17.6	18.6
6 30	20 51.96	−11 18.2	1.435	2.346	14.1	18.3
7 10	20 45.27	−10 56.8	1.369	2.335	10.1	18.1
7 20	20 36.44	−10 47.0	1.324	2.324	5.9	17.8
7 30	20 26.44	−10 47.6	1.304	2.314	3.6	17.6
8 9	20 16.56	−10 56.3	1.310	2.303	6.7	17.8
8 19	20 8.04	−11 10.0	1.339	2.293	11.1	18.0
8 29	20 1.93	−11 25.3	1.391	2.283	15.3	18.3

143863 2003 YC_{15} 7 27.7 149°.22 1°.5/27.1 17

6 20	20 59.82	−21 50.5	1.624	2.471	16.1	20.0
6 30	20 54.72	−22 0.8	1.552	2.474	12.5	19.8
7 10	20 46.92	−22 15.8	1.500	2.477	8.3	19.5
7 20	20 37.07	−22 31.4	1.472	2.480	3.8	19.3
7 30	20 26.28	−22 43.1	1.470	2.483	2.0	19.2
8 9	20 15.86	−22 47.6	1.495	2.486	6.4	19.4
8 19	20 7.00	−22 43.3	1.545	2.488	10.7	19.7
8 29	20 0.64	−22 30.5	1.617	2.490	14.5	19.9

152493 2005 WE_{92} 7 27.7 162°.49 0°.7/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 52.72	−19 39.6	2.689	3.516	11.0	21.3
6 30	20 48.20	−20 3.2	2.607	3.520	8.5	21.1
7 10	20 42.09	−20 31.3	2.549	3.523	5.6	20.9
7 20	20 34.80	−21 1.4	2.518	3.526	2.5	20.7
7 30	20 26.96	−21 30.6	2.515	3.529	1.1	20.6
8 9	20 19.27	−21 56.2	2.541	3.531	4.2	20.8
8 19	20 12.40	−22 16.4	2.595	3.533	7.2	21.0
8 29	20 6.94	−22 29.9	2.674	3.535	9.9	21.2

78001 2002 JP_{49} 7 27.7 310°.22 6°.2/24.9 18

6 20	20 56.73	−29 21.5	1.306	2.178	17.8	18.9
6 30	20 53.48	−30 17.7	1.230	2.164	14.1	18.6
7 10	20 46.79	−31 16.2	1.173	2.151	10.1	18.4
7 20	20 37.26	−32 8.0	1.138	2.137	6.8	18.1
7 30	20 26.19	−32 43.9	1.126	2.124	6.8	18.1
8 9	20 15.31	−32 57.4	1.137	2.111	10.3	18.3
8 19	20 6.32	−32 46.7	1.169	2.099	14.7	18.5
8 29	20 0.54	−32 14.6	1.221	2.088	18.7	18.7

198288 2004 TF_{299} 7 27.7 36°.71 6°.2/29.4 18

6 20	21 0.07	− 9 5.8	1.484	2.305	18.6	19.2
6 30	20 54.83	− 7 35.2	1.417	2.314	15.2	19.0
7 10	20 46.92	− 6 15.5	1.370	2.323	11.4	18.8
7 20	20 37.04	− 5 10.0	1.346	2.333	7.8	18.6
7 30	20 26.31	− 4 20.8	1.347	2.344	6.2	18.6
8 9	20 16.03	− 3 48.0	1.373	2.354	8.1	18.7
8 19	20 7.37	− 3 30.1	1.423	2.366	11.5	18.9
8 29	20 1.21	− 3 23.8	1.496	2.377	15.0	19.2

130734 2000 SW_{233} 7 27.7 239°.86 2°.2/26.2 18

6 20	20 56.77	−22 46.2	2.290	3.123	12.5	20.5
6 30	20 51.91	−23 33.9	2.190	3.106	9.7	20.3
7 10	20 44.92	−24 27.1	2.114	3.088	6.5	20.1
7 20	20 36.21	−25 21.5	2.063	3.069	3.3	19.8
7 30	20 26.53	−26 12.1	2.041	3.050	2.7	19.8
8 9	20 16.81	−26 54.4	2.048	3.030	5.8	19.9
8 19	20 8.01	−27 25.6	2.082	3.009	9.3	20.1
8 29	20 0.99	−27 44.7	2.139	2.987	12.5	20.3

441701 2008 YH_{171} 7 27.7 114°.47 5°.8/23.6 17

6 20	20 58.62	−16 59.1	1.021	1.893	21.6	20.5
6 30	20 55.62	−20 19.8	0.959	1.898	16.7	20.2
7 10	20 48.68	−24 11.7	0.919	1.903	11.0	19.9
7 20	20 38.30	−28 16.1	0.902	1.908	6.3	19.7
7 30	20 25.86	−32 7.3	0.912	1.913	7.3	19.7
8 9	20 13.43	−35 22.3	0.946	1.917	12.4	20.0
8 19	20 3.14	−37 49.4	1.004	1.922	17.6	20.3
8 29	19 56.69	−39 28.3	1.079	1.926	22.0	20.7

380243 2001 UX_{32} 7 27.7 315°.03 3°.3/25.8 18

6 20	20 52.90	−22 28.0	1.458	2.324	16.6	20.0
6 30	20 49.97	−23 30.1	1.379	2.313	12.9	19.8
7 10	20 44.17	−24 41.9	1.319	2.301	8.7	19.5
7 20	20 36.03	−25 56.7	1.283	2.290	4.5	19.2
7 30	20 26.58	−27 6.3	1.271	2.279	4.0	19.2
8 9	20 17.23	−28 3.0	1.284	2.269	8.1	19.4
8 19	20 9.33	−28 42.2	1.320	2.259	12.6	19.6
8 29	20 4.06	−29 2.8	1.377	2.249	16.6	19.8

258472 2001 YT_{153} 7 27.7 178°.50 1°.4/26.9 18

6 20	20 56.00	−23 2.4	2.436	3.268	11.9	20.6
6 30	20 50.90	−23 11.7	2.354	3.269	9.2	20.4
7 10	20 43.96	−23 23.0	2.295	3.270	6.1	20.3
7 20	20 35.66	−23 33.7	2.263	3.270	2.8	20.0
7 30	20 26.74	−23 40.8	2.258	3.270	1.8	20.0
8 9	20 18.03	−23 42.3	2.283	3.270	4.8	20.2
8 19	20 10.32	−23 37.0	2.334	3.269	8.0	20.4
8 29	20 4.27	−23 24.9	2.410	3.269	10.9	20.6

166898 2003 AQ_{2} 7 27.7 255°.50 5°.6/31.6 17

6 20	20 55.10	+ 0 52.5	1.241	2.048	22.4	19.5
6 30	20 52.12	− 0 13.8	1.149	2.035	18.8	19.2
7 10	20 45.95	− 2 1.6	1.073	2.021	14.3	18.9
7 20	20 36.99	− 4 32.4	1.018	2.007	9.3	18.6
7 30	20 26.25	− 7 40.1	0.987	1.993	5.7	18.3
8 9	20 15.24	−11 9.8	0.983	1.978	7.9	18.4
8 19	20 5.61	−14 42.3	1.004	1.963	13.2	18.6
8 29	19 58.84	−17 59.9	1.048	1.948	18.5	18.9

225959 2002 CM_{62} 7 27.7 157°.57 4°.1/25.1 18

6 20	20 58.37	−28 6.7	2.104	2.944	13.2	20.9
6 30	20 53.17	−29 2.6	2.033	2.950	10.3	20.7
7 10	20 45.69	−29 59.4	1.985	2.956	7.1	20.6
7 20	20 36.50	−30 51.4	1.963	2.961	4.5	20.4
7 30	20 26.49	−31 32.9	1.968	2.965	4.5	20.4
8 9	20 16.73	−32 0.3	2.001	2.969	7.0	20.6
8 19	20 8.22	−32 12.0	2.059	2.973	10.1	20.8
8 29	20 1.79	−32 8.9	2.141	2.976	12.9	21.0

181986 1999 VR_{104} 7 27.7 341.°35 1.°3/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 50.94	−20 30.4	1.804	2.658	14.4	19.9
6 30	20 47.74	−20 54.6	1.722	2.649	11.2	19.7
7 10	20 42.26	−21 25.6	1.661	2.641	7.4	19.4
7 20	20 35.04	−21 59.7	1.625	2.634	3.3	19.2
7 30	20 26.91	−22 32.3	1.614	2.627	1.8	19.1
8 9	20 18.95	−22 59.3	1.629	2.621	5.8	19.3
8 19	20 12.15	−23 17.9	1.669	2.615	9.9	19.5
8 29	20 7.38	−23 26.8	1.732	2.610	13.5	19.8

177659 Paolacel 7 27.7 87.°05 3.°8/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.72	− 9 20.9	1.525	2.352	18.0	20.2
6 30	20 52.23	− 9 5.1	1.461	2.365	14.4	20.0
7 10	20 45.20	− 9 4.7	1.416	2.377	10.3	19.8
7 20	20 36.30	− 9 19.2	1.393	2.390	6.2	19.6
7 30	20 26.56	− 9 45.9	1.395	2.403	3.9	19.5
8 9	20 17.21	−10 20.7	1.423	2.415	6.4	19.7
8 19	20 9.35	−10 59.2	1.475	2.428	10.4	19.9
8 29	20 3.85	−11 37.0	1.550	2.440	14.1	20.2

492255 2013 VN_{20} 7 27.7 276.°40 1.°2/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.88	−19 57.8	1.739	2.584	15.3	22.2
6 30	20 52.72	−20 23.8	1.636	2.558	12.0	21.9
7 10	20 45.88	−20 58.3	1.555	2.532	8.1	21.6
7 20	20 36.80	−21 37.4	1.497	2.505	3.7	21.3
7 30	20 26.36	−22 15.9	1.465	2.478	1.9	21.1
8 9	20 15.79	−22 48.8	1.460	2.451	6.5	21.4
8 19	20 6.36	−23 12.3	1.480	2.423	11.1	21.6
8 29	19 59.23	−23 24.8	1.522	2.395	15.3	21.8

16193 Nickaiser 7 27.7 153.°94 0.°6/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.16	−18 9.3	1.916	2.757	14.3	19.0
6 30	20 49.99	−18 39.8	1.839	2.758	11.1	18.8
7 10	20 43.63	−19 18.5	1.783	2.759	7.3	18.6
7 20	20 35.61	−20 2.0	1.751	2.760	3.2	18.3
7 30	20 26.76	−20 45.8	1.747	2.761	1.3	18.2
8 9	20 18.10	−21 25.3	1.770	2.762	5.4	18.5
8 19	20 10.60	−21 57.4	1.818	2.763	9.3	18.7
8 29	20 5.06	−22 20.4	1.891	2.764	12.8	18.9

510430 2011 UV_{340} 7 27.7 327.°39 0.°9/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.38	−15 26.3	1.861	2.700	14.7	21.6
6 30	20 48.69	−15 35.3	1.778	2.695	11.5	21.4
7 10	20 42.82	−15 53.9	1.716	2.689	7.8	21.2
7 20	20 35.27	−16 19.8	1.678	2.685	3.7	20.9
7 30	20 26.86	−16 49.9	1.666	2.680	1.2	20.7
8 9	20 18.61	−17 20.2	1.680	2.675	5.2	21.0
8 19	20 11.47	−17 47.7	1.720	2.671	9.3	21.2
8 29	20 6.27	−18 9.7	1.784	2.667	12.9	21.4

138863 2000 WO_{119} 7 27.7 119.°55 6.°4/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.78	+ 2 17.4	2.797	3.530	12.9	20.2
6 30	20 49.56	+ 3 11.6	2.721	3.545	11.0	20.1
7 10	20 42.87	+ 3 52.5	2.667	3.560	9.0	20.0
7 20	20 35.14	+ 4 18.8	2.636	3.574	7.3	19.9
7 30	20 26.93	+ 4 29.6	2.633	3.588	6.4	19.9
8 9	20 18.90	+ 4 25.9	2.656	3.602	6.8	19.9
8 19	20 11.65	+ 4 9.7	2.707	3.615	8.2	20.0
8 29	20 5.71	+ 3 44.1	2.782	3.628	10.0	20.2

102251 1999 TD_{28} 7 27.7 335.°06 2.°5/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.23	−22 15.1	1.111	1.997	19.3	18.9
6 30	20 49.40	−22 34.4	1.037	1.981	15.1	18.6
7 10	20 44.17	−23 1.8	0.980	1.966	10.2	18.3
7 20	20 36.15	−23 31.9	0.943	1.953	4.8	17.9
7 30	20 26.58	−23 57.6	0.928	1.941	3.1	17.8
8 9	20 17.20	−24 12.9	0.935	1.930	8.4	18.1
8 19	20 9.69	−24 14.3	0.963	1.920	13.9	18.3
8 29	20 5.37	−24 1.5	1.009	1.912	18.8	18.6

115919 2003 WS_{10} 7 27.7 238.°62 0.°3/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.93	−19 12.3	1.954	2.792	14.1	20.3
6 30	20 51.33	−19 16.6	1.871	2.789	11.0	20.1
7 10	20 44.51	−19 26.7	1.811	2.786	7.3	19.8
7 20	20 36.02	−19 39.8	1.775	2.783	3.3	19.6
7 30	20 26.70	−19 52.7	1.766	2.780	1.1	19.4
8 9	20 17.59	−20 2.5	1.784	2.777	5.3	19.7
8 19	20 9.66	−20 7.4	1.829	2.774	9.2	19.9
8 29	20 3.71	−20 6.2	1.897	2.771	12.7	20.2

91754 1999 TO_{189} 7 27.7 307.°80 4.°4/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.89	−31 3.9	2.163	3.006	12.8	19.1
6 30	20 52.05	−31 30.4	2.082	2.999	10.1	18.9
7 10	20 44.97	−31 54.5	2.024	2.993	7.2	18.7
7 20	20 36.21	−32 11.6	1.991	2.986	4.8	18.6
7 30	20 26.65	−32 17.3	1.985	2.980	4.7	18.6
8 9	20 17.35	−32 9.2	2.006	2.974	7.0	18.7
8 19	20 9.28	−31 46.9	2.052	2.968	10.0	18.9
8 29	20 3.23	−31 12.2	2.121	2.962	12.8	19.0

103047 1999 XV_{128} 7 27.7 268.°60 7.°0/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 58.40	−35 2.5	1.937	2.782	13.9	19.3
6 30	20 53.85	−36 14.4	1.856	2.769	11.3	19.1
7 10	20 46.55	−37 23.8	1.797	2.755	8.8	18.9
7 20	20 37.06	−38 23.1	1.763	2.741	7.1	18.7
7 30	20 26.38	−39 4.6	1.754	2.727	7.6	18.7
8 9	20 15.82	−39 24.0	1.771	2.713	9.8	18.8
8 19	20 6.66	−39 20.1	1.811	2.699	12.6	19.0
8 29	19 59.94	−38 55.2	1.872	2.685	15.4	19.2

476066 2007 SY_{19} 7 27.7 260.°89 2.°8/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.24	−11 15.5	2.184	2.995	13.8	21.3
6 30	20 50.67	−10 57.1	2.081	2.977	11.1	21.0
7 10	20 44.06	−10 47.9	1.999	2.958	7.9	20.8
7 20	20 35.85	−10 47.6	1.941	2.939	4.6	20.6
7 30	20 26.74	−10 55.0	1.911	2.920	2.8	20.4
8 9	20 17.64	−11 7.9	1.909	2.900	5.2	20.5
8 19	20 9.41	−11 24.1	1.933	2.880	8.7	20.7
8 29	20 2.88	−11 41.2	1.982	2.859	12.1	20.9

230393 2002 GP_{169} 7 27.7 126.°44 0.°1/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.39	−17 17.6	2.017	2.848	14.0	21.4
6 30	20 51.49	−17 34.1	1.945	2.858	10.9	21.2
7 10	20 44.49	−17 58.2	1.895	2.868	7.2	21.0
7 20	20 35.97	−18 26.7	1.870	2.878	3.2	20.8
7 30	20 26.75	−18 56.2	1.873	2.888	0.9	20.6
8 9	20 17.81	−19 23.2	1.904	2.897	5.0	20.9
8 19	20 10.04	−19 45.1	1.961	2.906	8.7	21.2
8 29	20 4.18	−20 0.5	2.042	2.914	12.0	21.4

126863 2002 EU_{83} 7 27.7 188.°23 0.°5/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.43	−18 42.2	2.410	3.242	12.0	20.3
6 30	20 48.23	−19 9.2	2.326	3.241	9.3	20.1
7 10	20 42.26	−19 42.2	2.266	3.241	6.1	19.9
7 20	20 34.97	−20 18.5	2.232	3.240	2.7	19.7
7 30	20 27.03	−20 54.7	2.226	3.240	1.1	19.6
8 9	20 19.23	−21 27.5	2.248	3.239	4.5	19.8
8 19	20 12.32	−21 54.5	2.297	3.238	7.8	20.0
8 29	20 6.95	−22 14.2	2.371	3.237	10.8	20.2

218193 2002 TQ_{91} 7 27.8 327.°85 3.°5/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 50.88	−13 3.9	1.188	2.053	19.7	19.6
6 30	20 48.83	−12 29.3	1.104	2.033	15.9	19.3
7 10	20 43.68	−12 7.5	1.038	2.014	11.3	19.0
7 20	20 35.95	−11 58.9	0.991	1.995	6.4	18.7
7 30	20 26.72	−12 2.3	0.967	1.978	3.6	18.4
8 9	20 17.52	−12 14.6	0.964	1.962	7.5	18.6
8 19	20 9.88	−12 31.7	0.984	1.947	12.8	18.9
8 29	20 5.09	−12 49.6	1.022	1.933	17.8	19.1

296490 2009 JD_{1} 7 27.8 22.°45 2.°2/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 49.38	−17 58.9	1.001	1.890	20.7	19.2
6 30	20 47.83	−19 9.6	0.953	1.899	15.9	19.0
7 10	20 42.95	−20 36.8	0.923	1.910	10.4	18.7
7 20	20 35.51	−22 11.6	0.912	1.923	4.7	18.4
7 30	20 26.91	−23 42.9	0.924	1.936	3.0	18.4
8 9	20 18.84	−25 0.3	0.957	1.951	8.3	18.7
8 19	20 12.80	−25 57.5	1.012	1.967	13.6	19.1
8 29	20 9.87	−26 32.6	1.085	1.985	18.0	19.4

91806 1999 TJ_{244} 7 27.8 113.°25 6.°5/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 50.65	+ 4 33.6	2.569	3.303	13.9	19.9
6 30	20 46.61	+ 4 45.9	2.491	3.315	11.9	19.8
7 10	20 41.06	+ 4 40.9	2.433	3.327	9.8	19.7
7 20	20 34.40	+ 4 17.7	2.398	3.338	7.8	19.6
7 30	20 27.24	+ 3 36.9	2.387	3.349	6.6	19.5
8 9	20 20.23	+ 2 41.1	2.404	3.360	6.8	19.5
8 19	20 14.00	+ 1 34.0	2.447	3.371	8.3	19.7
8 29	20 9.11	+ 0 20.4	2.516	3.381	10.2	19.8

388648 2007 TJ_{199} 7 27.8 102.°73 0.°6/27.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.05	−19 20.0	1.978	2.817	14.0	21.4
6 30	20 50.57	−19 38.1	1.904	2.822	10.8	21.2
7 10	20 43.96	−20 2.4	1.852	2.828	7.1	21.0
7 20	20 35.77	−20 29.8	1.824	2.833	3.1	20.8
7 30	20 26.85	−20 56.3	1.824	2.838	1.3	20.6
8 9	20 18.17	−21 18.6	1.851	2.843	5.2	20.9
8 19	20 10.67	−21 34.5	1.904	2.848	9.0	21.2
8 29	20 5.10	−21 42.8	1.980	2.852	12.3	21.4

264924 2002 TJ_{358} 7 27.8 266.°80 0.°4/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.54	−18 15.8	1.661	2.506	15.9	21.5
6 30	20 52.42	−18 32.7	1.569	2.491	12.5	21.2
7 10	20 45.64	−18 58.7	1.498	2.475	8.4	20.9
7 20	20 36.71	−19 30.6	1.450	2.459	3.8	20.6
7 30	20 26.55	−20 3.7	1.428	2.442	1.3	20.4
8 9	20 16.42	−20 33.3	1.432	2.426	6.2	20.7
8 19	20 7.56	−20 55.9	1.461	2.409	10.9	20.9
8 29	20 1.04	−21 9.6	1.513	2.392	15.0	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
305367 2008 BL_{53}			7 27.8	13°.56	7°.1/23.6	18
	h m	° ′			°	m
6 20	20 56.69	−35 34.8	1.845	2.696	14.3	19.7
6 30	20 52.41	−36 36.9	1.782	2.698	11.6	19.5
7 10	20 45.46	−37 34.2	1.741	2.700	8.9	19.4
7 20	20 36.51	−38 19.5	1.723	2.703	7.2	19.3
7 30	20 26.65	−38 46.2	1.731	2.706	7.5	19.3
8 9	20 17.15	−38 51.1	1.763	2.709	9.6	19.4
8 19	20 9.20	−38 34.3	1.818	2.713	12.3	19.6
8 29	20 3.70	−37 58.8	1.895	2.717	14.9	19.8
516682 2008 TT_{1}			7 27.8	256°.84	12°.3/ 6.2	18
6 20	20 53.79	+20 18.0	2.511	3.123	16.7	22.3
6 30	20 49.51	+21 14.6	2.401	3.099	15.6	22.1
7 10	20 43.31	+21 49.0	2.306	3.073	14.4	22.0
7 20	20 35.57	+21 56.5	2.229	3.047	13.3	21.8
7 30	20 26.89	+21 33.5	2.172	3.020	12.5	21.7
8 9	20 18.06	+20 39.3	2.137	2.992	12.4	21.7
8 19	20 9.91	+19 16.2	2.124	2.963	13.0	21.7
8 29	20 3.25	+17 29.5	2.133	2.934	14.1	21.7
353766 2012 FQ_{28}			7 27.8	28°.61	2°.3/26.7	17
6 20	20 53.44	−20 45.9	1.135	2.014	19.4	20.1
6 30	20 50.66	−21 26.5	1.084	2.024	15.0	19.8
7 10	20 44.65	−22 16.7	1.050	2.035	9.9	19.6
7 20	20 36.23	−23 10.0	1.038	2.047	4.5	19.3
7 30	20 26.75	−23 58.4	1.048	2.060	3.0	19.3
8 9	20 17.84	−24 35.1	1.082	2.074	7.8	19.6
8 19	20 10.91	−24 56.9	1.137	2.089	12.8	19.9
8 29	20 6.97	−25 3.2	1.212	2.105	17.0	20.2
90732 Opdebeeck			7 27.8	312°.84	0°.6/27.5	18
6 20	20 54.92	−21 6.8	2.028	2.869	13.6	19.1
6 30	20 50.65	−20 57.0	1.929	2.849	10.6	18.9
7 10	20 44.17	−20 50.3	1.852	2.828	7.1	18.6
7 20	20 35.95	−20 44.3	1.799	2.808	3.2	18.3
7 30	20 26.81	−20 36.6	1.774	2.788	1.2	18.1
8 9	20 17.74	−20 25.0	1.775	2.768	5.3	18.4
8 19	20 9.73	−20 8.6	1.803	2.749	9.3	18.6
8 29	20 3.63	−19 47.0	1.855	2.730	12.8	18.8
393130 2013 BY_{43}			7 27.8	244°.87	1°.0/27.1	18
6 20	20 53.42	−19 43.1	2.135	2.974	13.1	21.9
6 30	20 49.29	−20 13.3	2.051	2.970	10.1	21.7
7 10	20 43.14	−20 49.9	1.990	2.966	6.7	21.5
7 20	20 35.45	−21 29.5	1.954	2.962	3.0	21.2
7 30	20 26.98	−22 8.2	1.945	2.958	1.5	21.1
8 9	20 18.65	−22 42.0	1.964	2.954	5.2	21.3
8 19	20 11.33	−23 8.2	2.009	2.950	8.8	21.6
8 29	20 5.78	−23 25.5	2.079	2.946	12.0	21.8
507393 2012 HB_{35}			7 27.8	78°.31	2°.0/28.9	17
6 20	20 54.48	−11 16.6	1.503	2.340	17.7	21.7
6 30	20 50.70	−11 41.2	1.435	2.348	14.0	21.4
7 10	20 44.35	−12 22.3	1.386	2.356	9.7	21.2
7 20	20 36.05	−13 17.3	1.360	2.365	5.0	21.0
7 30	20 26.81	−14 20.9	1.360	2.373	2.1	20.8
8 9	20 17.86	−15 26.9	1.385	2.381	5.9	21.1
8 19	20 10.34	−16 29.3	1.435	2.389	10.4	21.3
8 29	20 5.18	−17 23.8	1.507	2.397	14.4	21.6
256415 2007 BT_{9}			7 27.8	293°.11	2°.5/26.5	18
6 20	20 56.48	−25 55.5	2.156	2.997	12.9	20.8
6 30	20 51.68	−26 5.7	2.069	2.989	10.0	20.6
7 10	20 44.72	−26 16.5	2.006	2.980	6.8	20.4
7 20	20 36.15	−26 24.3	1.967	2.972	3.5	20.2
7 30	20 26.79	−26 25.6	1.956	2.964	2.8	20.1
8 9	20 17.63	−26 18.1	1.972	2.956	5.8	20.3
8 19	20 9.61	−26 1.0	2.015	2.948	9.2	20.5
8 29	20 3.51	−25 35.1	2.081	2.940	12.3	20.7
33228 1998 FZ_{121}			7 27.8	334°.97	3°.8/30.4	18
6 20	20 49.64	− 6 22.2	1.935	2.747	15.2	17.5
6 30	20 46.50	− 6 30.3	1.848	2.741	12.4	17.3
7 10	20 41.36	− 6 54.7	1.782	2.736	9.1	17.1
7 20	20 34.68	− 7 35.0	1.738	2.730	5.8	16.8
7 30	20 27.20	− 8 28.6	1.721	2.726	3.8	16.7
8 9	20 19.81	− 9 31.4	1.730	2.721	5.6	16.8
8 19	20 13.39	−10 38.3	1.764	2.717	8.9	17.0
8 29	20 8.71	−11 44.2	1.823	2.713	12.3	17.2
359545 2010 RS_{179}			7 27.8	286°.60	4°.4/25.0	18
6 20	20 55.73	−30 36.6	2.229	3.073	12.4	20.6
6 30	20 51.13	−31 16.1	2.151	3.068	9.8	20.4
7 10	20 44.37	−31 54.3	2.095	3.064	7.0	20.3
7 20	20 35.99	−32 26.3	2.065	3.059	4.8	20.1
7 30	20 26.83	−32 47.5	2.061	3.055	4.8	20.1
8 9	20 17.88	−32 54.8	2.084	3.050	7.0	20.2
8 19	20 10.08	−32 47.5	2.133	3.046	9.9	20.4
8 29	20 4.21	−32 26.7	2.205	3.041	12.6	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
385054 2012 UM_{41}			7 27.8	6°.05	2°.5/26.6	16
	h m	° ′			°	m
6 20	20 50.91	−21 52.1	1.262	2.139	18.0	19.9
6 30	20 48.56	−22 26.9	1.199	2.139	13.9	19.6
7 10	20 43.24	−23 9.7	1.156	2.141	9.2	19.4
7 20	20 35.63	−23 54.6	1.134	2.143	4.4	19.1
7 30	20 26.94	−24 34.7	1.135	2.147	3.1	19.0
8 9	20 18.62	−25 4.1	1.160	2.152	7.6	19.3
8 19	20 12.03	−25 19.6	1.207	2.158	12.3	19.6
8 29	20 8.18	−25 20.7	1.274	2.165	16.4	19.9
91017 1998 DA_{16}			7 27.8	188°.06	4°.6/30.9	18
6 20	20 54.14	− 3 36.6	2.256	3.036	14.3	20.3
6 30	20 49.62	− 3 33.9	2.167	3.036	11.8	20.1
7 10	20 43.25	− 3 46.4	2.098	3.035	9.0	19.9
7 20	20 35.48	− 4 14.1	2.053	3.033	6.2	19.8
7 30	20 26.98	− 4 55.6	2.035	3.031	4.6	19.6
8 9	20 18.58	− 5 47.7	2.045	3.028	5.7	19.7
8 19	20 11.06	− 6 46.3	2.082	3.024	8.4	19.9
8 29	20 5.13	− 7 47.1	2.144	3.020	11.3	20.1
244780 2003 SY_{169}			7 27.8	341°.09	3°.2/29.3	17
6 20	20 53.03	−11 25.8	1.609	2.445	16.8	20.0
6 30	20 49.51	−11 5.2	1.529	2.440	13.4	19.7
7 10	20 43.56	−10 57.0	1.468	2.435	9.6	19.5
7 20	20 35.72	−11 0.9	1.430	2.431	5.5	19.3
7 30	20 26.91	−11 15.1	1.417	2.427	3.2	19.1
8 9	20 18.29	−11 36.3	1.429	2.424	6.1	19.3
8 19	20 10.95	−12 1.1	1.466	2.421	10.2	19.5
8 29	20 5.79	−12 25.8	1.525	2.419	14.1	19.7
218935 2008 CG_{66}			7 27.8	16°.82	1°.7/27.0	17
6 20	20 52.65	−20 27.0	1.121	2.001	19.5	19.7
6 30	20 50.14	−20 52.2	1.065	2.006	15.1	19.5
7 10	20 44.39	−21 27.0	1.026	2.012	10.0	19.2
7 20	20 36.16	−22 5.9	1.009	2.019	4.5	18.9
7 30	20 26.81	−22 41.8	1.013	2.027	2.4	18.8
8 9	20 17.96	−23 8.6	1.041	2.036	7.7	19.2
8 19	20 11.07	−23 23.1	1.090	2.046	12.8	19.5
8 29	20 7.19	−23 24.4	1.158	2.057	17.2	19.8
42496 1991 XB_{1}			7 27.8	235°.46	4°.4/24.4	18
6 20	20 56.80	−28 0.4	2.216	3.057	12.6	18.7
6 30	20 52.16	−29 15.4	2.127	3.044	9.9	18.5
7 10	20 45.24	−30 33.7	2.061	3.031	7.0	18.3
7 20	20 36.49	−31 49.1	2.021	3.017	4.7	18.1
7 30	20 26.69	−32 55.0	2.010	3.003	4.9	18.1
8 9	20 16.88	−33 46.3	2.026	2.988	7.4	18.2
8 19	20 8.09	−34 20.4	2.068	2.973	10.5	18.4
8 29	20 1.23	−34 37.0	2.132	2.957	13.3	18.6
169608 2002 GA_{102}			7 27.8	45°.90	4°.1/25.7	18
6 20	20 56.09	−23 45.2	1.294	2.164	18.1	19.6
6 30	20 52.60	−24 52.9	1.235	2.171	14.0	19.3
7 10	20 45.95	−26 8.2	1.196	2.177	9.4	19.1
7 20	20 36.87	−27 22.5	1.178	2.184	5.1	18.9
7 30	20 26.61	−28 26.8	1.185	2.192	4.7	18.9
8 9	20 16.78	−29 13.7	1.216	2.199	8.7	19.1
8 19	20 8.80	−29 40.4	1.270	2.207	13.1	19.4
8 29	20 3.75	−29 47.2	1.343	2.215	17.0	19.7
445018 2008 JJ_{24}			7 27.8	29°.86	13°.7/ 5.8	18
6 20	20 53.46	+16 7.8	2.006	2.677	19.0	19.7
6 30	20 49.36	+18 6.8	1.944	2.687	17.5	19.6
7 10	20 43.21	+19 41.9	1.898	2.698	16.0	19.5
7 20	20 35.50	+20 47.7	1.871	2.709	14.7	19.4
7 30	20 27.02	+21 20.3	1.863	2.721	13.9	19.4
8 9	20 18.70	+21 19.4	1.876	2.733	13.7	19.4
8 19	20 11.43	+20 48.1	1.909	2.746	14.3	19.5
8 29	20 5.98	+19 52.3	1.961	2.760	15.3	19.6
198588 2004 YP_{32}			7 27.8	297°.81	3°.3/25.9	18
6 20	20 54.80	−23 47.2	1.688	2.544	15.2	19.7
6 30	20 51.35	−24 35.9	1.587	2.515	11.9	19.4
7 10	20 45.15	−25 32.2	1.506	2.485	8.1	19.1
7 20	20 36.62	−26 30.6	1.449	2.455	4.4	18.8
7 30	20 26.64	−27 24.2	1.418	2.425	3.9	18.7
8 9	20 16.50	−28 6.4	1.412	2.395	7.7	18.9
8 19	20 7.52	−28 33.3	1.430	2.365	12.1	19.1
8 29	20 0.91	−28 43.5	1.470	2.336	16.2	19.3
260167 2004 RR_{69}			7 27.8	304°.97	2°.6/29.7	18
6 20	20 49.84	− 8 44.8	2.170	2.983	13.8	20.3
6 30	20 46.48	− 9 3.8	2.077	2.974	11.1	20.1
7 10	20 41.28	− 9 36.7	2.005	2.964	7.9	19.9
7 20	20 34.65	−10 22.1	1.957	2.955	4.6	19.7
7 30	20 27.26	−11 17.5	1.936	2.946	2.6	19.6
8 9	20 19.92	−12 18.7	1.943	2.937	4.8	19.7
8 19	20 13.42	−13 21.2	1.976	2.928	8.2	19.9
8 29	20 8.50	−14 21.0	2.034	2.919	11.5	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
384009 2008 UV_{64}			7 27.8	73°.73	1°.5/28.5	18
	h m	° ′			°	m
6 20	20 55.91	−14 56.0	1.795	2.628	15.4	20.9
6 30	20 51.41	−14 45.5	1.720	2.632	12.1	20.7
7 10	20 44.63	−14 43.9	1.665	2.636	8.3	20.5
7 20	20 36.14	−14 49.6	1.635	2.640	4.1	20.2
7 30	20 26.85	−15 0.2	1.631	2.644	1.7	20.1
8 9	20 17.84	−15 12.6	1.653	2.648	5.3	20.3
8 19	20 10.09	−15 24.5	1.702	2.652	9.4	20.6
8 29	20 4.42	−15 33.9	1.773	2.657	13.0	20.8
366746 2004 LJ			7 27.8	143°.40	26°.0/ 4.4	13 C
6 20	21 46.46	+16 11.1	0.727	1.446	41.0	21.9
6 30	21 33.57	+19 45.2	0.693	1.483	36.8	21.8
7 10	21 14.35	+22 33.9	0.667	1.515	32.4	21.6
7 20	20 49.84	+24 12.4	0.654	1.540	28.6	21.5
7 30	20 22.93	+24 21.5	0.656	1.560	26.4	21.4
8 9	19 57.65	+23 2.4	0.676	1.575	26.2	21.5
8 19	19 37.33	+20 36.2	0.713	1.584	28.0	21.7
8 29	19 23.67	+17 33.5	0.764	1.588	30.7	21.9
504345 2007 TX_{255}			7 27.8	248°.04	0°.7/28.1	18
6 20	20 54.57	−16 16.5	2.023	2.855	14.0	21.4
6 30	20 50.25	−16 21.4	1.937	2.850	10.9	21.2
7 10	20 43.82	−16 34.1	1.872	2.845	7.4	21.0
7 20	20 35.79	−16 52.7	1.833	2.840	3.5	20.7
7 30	20 26.95	−17 14.1	1.820	2.834	1.0	20.5
8 9	20 18.25	−17 35.1	1.835	2.829	5.0	20.8
8 19	20 10.62	−17 53.3	1.876	2.824	8.8	21.0
8 29	20 4.84	−18 6.7	1.941	2.818	12.3	21.2
278571 2008 HZ_{8}			7 27.8	127°.00	1°.5/26.6	18
6 20	20 52.21	−20 28.7	2.326	3.164	12.2	20.7
6 30	20 48.19	−21 20.0	2.248	3.166	9.4	20.5
7 10	20 42.34	−22 17.6	2.193	3.169	6.2	20.3
7 20	20 35.10	−23 17.3	2.164	3.171	2.9	20.1
7 30	20 27.16	−24 14.7	2.163	3.174	2.0	20.0
8 9	20 19.35	−25 5.6	2.190	3.176	5.1	20.2
8 19	20 12.47	−25 47.0	2.244	3.179	8.3	20.4
8 29	20 7.20	−26 17.5	2.323	3.181	11.2	20.6
334017 2000 WP_{5}			7 27.8	292°.59	1°.3/27.2	18
6 20	20 57.26	−21 11.2	1.745	2.591	15.2	21.0
6 30	20 53.13	−21 23.4	1.636	2.559	12.0	20.7
7 10	20 46.26	−21 41.5	1.549	2.526	8.1	20.4
7 20	20 37.10	−22 2.2	1.485	2.493	3.7	20.1
7 30	20 26.53	−22 20.8	1.447	2.460	1.9	19.9
8 9	20 15.77	−22 33.2	1.435	2.427	6.5	20.1
8 19	20 6.14	−22 36.6	1.449	2.393	11.2	20.3
8 29	19 58.80	−22 30.2	1.485	2.360	15.5	20.5
211640 2003 UV_{180}			7 27.8	333°.72	3°.8/25.8	18
6 20	20 51.46	−22 13.2	1.179	2.060	18.7	19.5
6 30	20 49.48	−23 18.1	1.107	2.049	14.6	19.2
7 10	20 44.22	−24 34.9	1.054	2.039	9.8	18.9
7 20	20 36.26	−25 55.8	1.022	2.030	5.1	18.6
7 30	20 26.79	−27 10.7	1.012	2.021	4.5	18.5
8 9	20 17.48	−28 10.4	1.026	2.014	9.1	18.8
8 19	20 9.94	−28 49.4	1.061	2.007	14.1	19.0
8 29	20 5.47	−29 6.5	1.114	2.001	18.6	19.3
59843 1999 RD_{59}			7 27.8	81°.27	2°.5/26.5	18
6 20	20 57.51	−26 11.6	2.178	3.017	12.8	18.5
6 30	20 52.28	−26 23.5	2.109	3.027	9.9	18.4
7 10	20 44.99	−26 35.5	2.063	3.037	6.7	18.2
7 20	20 36.24	−26 44.0	2.042	3.046	3.5	18.0
7 30	20 26.88	−26 45.9	2.048	3.056	2.9	18.0
8 9	20 17.87	−26 38.9	2.083	3.065	5.7	18.2
8 19	20 10.08	−26 22.8	2.144	3.075	8.8	18.4
8 29	20 4.21	−25 58.4	2.229	3.084	11.7	18.6
247057 2000 QO_{40}			7 27.8	306°.94	0°.8/28.1	18
6 20	20 52.95	−16 5.7	1.236	2.102	19.0	20.6
6 30	20 50.65	−16 11.0	1.142	2.074	15.2	20.3
7 10	20 45.12	−16 30.1	1.065	2.046	10.4	20.0
7 20	20 36.77	−17 1.0	1.009	2.018	4.9	19.6
7 30	20 26.63	−17 39.0	0.976	1.990	1.4	19.2
8 9	20 16.26	−18 18.0	0.965	1.963	7.4	19.5
8 19	20 7.33	−18 52.4	0.977	1.937	13.4	19.8
8 29	20 1.33	−19 18.1	1.008	1.911	18.7	20.0
474556 2003 YJ_{147}			7 27.8	284°.03	6°.0/24.2	18
6 20	20 58.66	−32 30.8	1.945	2.791	13.9	21.1
6 30	20 54.11	−33 25.5	1.849	2.766	11.2	20.8
7 10	20 46.84	−34 19.6	1.775	2.740	8.3	20.6
7 20	20 37.33	−35 6.1	1.726	2.714	6.2	20.4
7 30	20 26.53	−35 38.2	1.702	2.688	6.4	20.4
8 9	20 15.71	−35 51.0	1.704	2.662	8.9	20.5
8 19	20 6.16	−35 43.0	1.731	2.636	12.2	20.6
8 29	19 58.99	−35 15.9	1.779	2.609	15.3	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
102097 1999 RZ_{157}			7 27.8	295°.24	2°.8/26.5	18
	h m	° ′			°	m
6 20	20 55.56	−22 24.3	1.406	2.270	17.2	19.1
6 30	20 52.28	−23 3.0	1.320	2.253	13.5	18.8
7 10	20 45.93	−23 50.3	1.254	2.235	9.1	18.5
7 20	20 37.01	−24 40.4	1.209	2.217	4.5	18.2
7 30	20 26.62	−25 26.0	1.189	2.200	3.4	18.1
8 9	20 16.24	−26 0.5	1.194	2.183	7.9	18.3
8 19	20 7.38	−26 20.1	1.221	2.166	12.8	18.6
8 29	20 1.31	−26 23.7	1.269	2.149	17.3	18.8
516915 2011 UU_{246}			7 27.8	209°.95	4°.9/31.7	18
6 20	20 52.07	− 0 31.2	2.994	3.744	11.8	22.8
6 30	20 47.61	− 0 10.5	2.894	3.737	9.9	22.6
7 10	20 41.73	− 0 1.9	2.815	3.729	7.9	22.5
7 20	20 34.80	− 0 6.1	2.761	3.721	6.0	22.3
7 30	20 27.31	− 0 22.7	2.735	3.712	4.9	22.2
8 9	20 19.86	− 0 50.5	2.736	3.703	5.5	22.3
8 19	20 13.03	− 1 27.0	2.765	3.693	7.2	22.4
8 29	20 7.35	− 2 9.2	2.820	3.682	9.3	22.5
39784 1997 LB_{2}			7 27.8	199°.68	4°.9/31.9	18
6 20	20 50.29	− 0 49.6	2.626	3.390	12.9	20.2
6 30	20 46.43	− 0 47.6	2.534	3.388	10.8	20.0
7 10	20 41.04	− 1 0.4	2.463	3.386	8.5	19.9
7 20	20 34.52	− 1 28.0	2.416	3.384	6.2	19.7
7 30	20 27.41	− 2 9.6	2.396	3.381	4.9	19.7
8 9	20 20.38	− 3 2.4	2.403	3.378	5.5	19.7
8 19	20 14.05	− 4 3.0	2.437	3.376	7.6	19.8
8 29	20 9.02	− 5 7.3	2.498	3.372	10.0	20.0
294982 2008 EL_{16}			7 27.8	243°.69	0°.4/27.6	18
6 20	20 57.82	−18 9.1	1.818	2.654	15.1	22.3
6 30	20 53.23	−18 30.7	1.723	2.640	11.8	22.0
7 10	20 46.11	−19 1.0	1.650	2.625	7.9	21.7
7 20	20 36.97	−19 36.7	1.601	2.609	3.6	21.4
7 30	20 26.68	−20 13.5	1.579	2.593	1.2	21.2
8 9	20 16.41	−20 46.6	1.584	2.577	5.8	21.5
8 19	20 7.30	−21 12.8	1.615	2.559	10.3	21.7
8 29	20 0.36	−21 30.1	1.669	2.542	14.2	21.9
155855 2001 BV_{38}			7 27.8	229°.43	0°.1/27.8	18
6 20	20 52.28	−17 18.5	2.525	3.352	11.7	21.3
6 30	20 48.10	−17 39.7	2.435	3.346	9.1	21.1
7 10	20 42.23	−18 7.4	2.368	3.340	6.0	20.9
7 20	20 35.07	−18 39.3	2.327	3.334	2.7	20.6
7 30	20 27.26	−19 12.5	2.313	3.328	0.8	20.5
8 9	20 19.54	−19 43.9	2.329	3.322	4.2	20.7
8 19	20 12.63	−20 11.1	2.372	3.315	7.5	20.9
8 29	20 7.18	−20 32.5	2.440	3.308	10.4	21.1
387821 2004 FM_{84}			7 27.8	79°.16	5°.9/24.1	18
6 20	20 57.55	−33 4.9	1.994	2.841	13.6	20.0
6 30	20 52.78	−34 9.1	1.936	2.851	10.8	19.9
7 10	20 45.59	−35 10.2	1.899	2.862	8.0	19.7
7 20	20 36.61	−36 1.7	1.888	2.873	6.1	19.6
7 30	20 26.84	−36 37.6	1.902	2.884	6.3	19.7
8 9	20 17.43	−36 54.6	1.943	2.895	8.4	19.8
8 19	20 9.43	−36 52.4	2.008	2.905	11.1	20.0
8 29	20 3.66	−36 33.0	2.094	2.916	13.6	20.2
107969 2001 FM_{125}			7 27.8	324°.97	1°.0/28.3	18
6 20	20 52.59	−15 3.5	1.665	2.509	15.9	19.9
6 30	20 49.21	−15 13.0	1.582	2.501	12.5	19.6
7 10	20 43.42	−15 33.7	1.519	2.494	8.5	19.4
7 20	20 35.74	−16 3.3	1.479	2.486	4.1	19.1
7 30	20 27.06	−16 38.1	1.465	2.479	1.3	18.9
8 9	20 18.52	−17 13.6	1.477	2.473	5.6	19.2
8 19	20 11.21	−17 45.9	1.513	2.467	10.1	19.4
8 29	20 6.04	−18 12.2	1.572	2.461	14.0	19.6
63158 2000 YA_{4}			7 27.8	128°.10	0°.8/28.2	17 R
6 20	20 54.73	−15 25.1	1.841	2.676	15.0	20.4
6 30	20 50.54	−15 36.9	1.763	2.677	11.7	20.2
7 10	20 44.10	−15 58.5	1.706	2.679	7.9	20.0
7 20	20 35.97	−16 27.3	1.674	2.680	3.7	19.7
7 30	20 27.01	−16 59.8	1.668	2.682	1.1	19.5
8 9	20 18.26	−17 32.0	1.688	2.683	5.2	19.8
8 19	20 10.70	−18 0.7	1.735	2.685	9.3	20.1
8 29	20 5.14	−18 23.6	1.805	2.686	12.9	20.3
346600 2008 WX_{24}			7 27.8	313°.63	2°.2/28.8	18
6 20	20 51.35	−13 5.1	1.489	2.338	17.2	20.6
6 30	20 48.74	−13 3.6	1.391	2.312	13.8	20.3
7 10	20 43.45	−13 16.0	1.312	2.286	9.7	20.0
7 20	20 35.91	−13 41.3	1.255	2.260	5.1	19.7
7 30	20 26.99	−14 16.5	1.222	2.235	2.2	19.4
8 9	20 17.95	−14 57.1	1.214	2.211	6.4	19.6
8 19	20 10.11	−15 38.0	1.228	2.187	11.4	19.8
8 29	20 4.63	−16 14.9	1.265	2.164	16.0	20.1

519445 2011 YB_9 7 27.8 347°.09 3°.8/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 53.05	− 8 17.4	2.154	2.959	14.1	20.9
6 30	20 48.87	− 7 51.5	2.069	2.959	11.4	20.7
7 10	20 42.81	− 7 36.8	2.006	2.958	8.4	20.5
7 20	20 35.35	− 7 33.4	1.967	2.958	5.4	20.4
7 30	20 27.20	− 7 40.4	1.955	2.957	3.8	20.3
8 9	20 19.21	− 7 55.9	1.969	2.957	5.4	20.4
8 19	20 12.16	− 8 17.1	2.010	2.957	8.4	20.6
8 29	20 6.76	− 8 41.1	2.075	2.956	11.4	20.7

506562 2005 TA_{136} 7 27.8 222°.84 0°.4/28.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.18	−15 51.8	1.979	2.808	14.3	22.5
6 30	20 51.64	−16 12.5	1.889	2.800	11.2	22.3
7 10	20 44.87	−16 42.9	1.820	2.792	7.6	22.1
7 20	20 36.36	−17 20.1	1.776	2.783	3.5	21.8
7 30	20 26.90	−18 0.4	1.759	2.774	1.0	21.6
8 9	20 17.52	−18 39.7	1.770	2.764	5.2	21.9
8 19	20 9.20	−19 14.3	1.807	2.753	9.2	22.1
8 29	20 2.82	−19 42.0	1.869	2.743	12.8	22.3

317283 2002 ED_{162} 7 27.8 240°.47 0°.1/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.54	−16 39.0	1.634	2.475	16.3	21.7
6 30	20 53.25	−17 2.7	1.545	2.464	12.8	21.5
7 10	20 46.26	−17 37.7	1.477	2.452	8.7	21.2
7 20	20 37.09	−18 20.6	1.432	2.440	3.9	20.9
7 30	20 26.69	−19 6.5	1.413	2.427	1.1	20.6
8 9	20 16.33	−19 49.9	1.420	2.414	6.1	21.0
8 19	20 7.27	−20 26.5	1.452	2.400	10.9	21.2
8 29	20 0.58	−20 53.8	1.507	2.386	15.1	21.4

439240 2012 TJ_{169} 7 27.8 256°.85 1°.3/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.16	−12 52.9	1.991	2.817	14.4	21.5
6 30	20 49.30	−13 18.0	1.898	2.807	11.4	21.2
7 10	20 43.33	−13 55.5	1.827	2.796	7.8	21.0
7 20	20 35.68	−14 43.2	1.779	2.784	3.9	20.7
7 30	20 27.11	−15 37.3	1.759	2.773	1.4	20.5
8 9	20 18.57	−16 33.3	1.766	2.761	5.0	20.8
8 19	20 11.01	−17 26.6	1.800	2.749	9.0	21.0
8 29	20 5.26	−18 13.9	1.857	2.737	12.6	21.2

360749 2004 VE_{76} 7 27.8 317°.50 7°.5/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.90	−31 24.6	1.170	2.048	19.0	20.1
6 30	20 54.91	−32 19.2	1.098	2.034	15.3	19.8
7 10	20 48.10	−33 13.6	1.044	2.020	11.2	19.5
7 20	20 38.11	−33 57.6	1.010	2.007	8.0	19.3
7 30	20 26.41	−34 20.9	0.999	1.994	8.1	19.3
8 9	20 14.98	−34 17.1	1.009	1.982	11.5	19.4
8 19	20 5.74	−33 45.8	1.040	1.971	15.9	19.6
8 29	20 0.09	−32 51.6	1.089	1.960	20.1	19.8

231281 2006 BW_{32} 7 27.8 18°.42 1°.6/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.40	−21 9.1	1.692	2.543	15.4	20.4
6 30	20 51.34	−21 36.4	1.619	2.544	11.9	20.2
7 10	20 44.79	−22 10.0	1.566	2.545	7.9	20.0
7 20	20 36.33	−22 45.7	1.538	2.546	3.6	19.7
7 30	20 26.95	−23 18.4	1.535	2.547	2.2	19.6
8 9	20 17.84	−23 43.7	1.558	2.549	6.2	19.9
8 19	20 10.08	−23 59.0	1.606	2.550	10.4	20.1
8 29	20 4.60	−24 3.6	1.677	2.552	14.0	20.4

299678 2006 QG_{46} 7 27.8 325°.89 1°.6/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 48.36	−11 55.9	1.538	2.386	16.8	20.1
6 30	20 46.28	−12 25.7	1.444	2.365	13.4	19.8
7 10	20 41.71	−13 13.2	1.369	2.343	9.3	19.6
7 20	20 35.10	−14 16.5	1.317	2.323	4.7	19.2
7 30	20 27.27	−15 30.8	1.290	2.303	1.7	19.0
8 9	20 19.38	−16 49.5	1.287	2.285	6.0	19.2
8 19	20 12.63	−18 5.6	1.309	2.267	10.8	19.4
8 29	20 8.08	−19 13.1	1.352	2.250	15.2	19.7

182324 2001 PP_4 7 27.8 18°.60 12°.7/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.44	+ 3 6.7	1.161	1.970	23.4	18.3
6 30	20 48.88	+ 4 58.7	1.107	1.977	20.5	18.1
7 10	20 43.43	+ 6 23.8	1.069	1.986	17.3	17.9
7 20	20 35.79	+ 7 15.3	1.047	1.996	14.5	17.8
7 30	20 27.12	+ 7 29.1	1.046	2.007	12.9	17.8
8 9	20 18.84	+ 7 6.9	1.064	2.020	13.2	17.8
8 19	20 12.23	+ 6 15.1	1.102	2.034	15.1	18.0
8 29	20 8.29	+ 5 3.5	1.158	2.049	17.8	18.2

309455 2007 UE_{132} 7 27.8 78°.88 2°.2/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.01	−19 43.4	1.395	2.255	17.6	20.1
6 30	20 52.38	−20 42.9	1.327	2.257	13.6	19.9
7 10	20 45.79	−21 54.0	1.278	2.259	9.0	19.6
7 20	20 36.90	−23 10.1	1.253	2.261	4.2	19.3
7 30	20 26.81	−24 23.0	1.252	2.264	2.9	19.3
8 9	20 16.99	−25 24.9	1.276	2.266	7.4	19.5
8 19	20 8.79	−26 11.0	1.324	2.268	12.1	19.8
8 29	20 3.29	−26 40.0	1.394	2.270	16.2	20.1

276853 2004 RA_{93} 7 27.8 318°.37 5°.9/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 53.20	− 4 37.6	1.660	2.469	17.5	20.3
6 30	20 49.60	− 4 6.2	1.578	2.465	14.5	20.1
7 10	20 43.64	− 3 52.0	1.516	2.461	11.1	19.8
7 20	20 35.86	− 3 56.3	1.475	2.457	7.8	19.6
7 30	20 27.11	− 4 18.6	1.458	2.454	5.9	19.5
8 9	20 18.50	− 4 56.0	1.466	2.451	7.3	19.6
8 19	20 11.07	− 5 43.8	1.499	2.447	10.5	19.8
8 29	20 5.73	− 6 36.5	1.554	2.444	14.0	20.0

237144 2008 UN_{67} 7 27.8 264°.61 0°.2/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.65	−18 12.9	1.910	2.748	14.4	20.8
6 30	20 51.36	−18 24.2	1.818	2.735	11.3	20.6
7 10	20 44.77	−18 42.9	1.748	2.722	7.6	20.3
7 20	20 36.36	−19 6.2	1.701	2.710	3.4	20.0
7 30	20 26.97	−19 30.6	1.682	2.696	1.0	19.8
8 9	20 17.65	−19 52.4	1.690	2.683	5.4	20.1
8 19	20 9.44	−20 8.9	1.723	2.670	9.6	20.3
8 29	20 3.24	−20 18.5	1.780	2.656	13.3	20.5

397761 2008 GD_{13} 7 27.8 23°.70 4°.2/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.77	−29 13.8	2.019	2.868	13.4	20.5
6 30	20 51.32	−29 50.1	1.949	2.870	10.4	20.3
7 10	20 44.60	−30 25.7	1.901	2.873	7.3	20.1
7 20	20 36.20	−30 55.6	1.877	2.876	4.7	20.0
7 30	20 27.04	−31 14.9	1.881	2.879	4.5	20.0
8 9	20 18.17	−31 20.8	1.910	2.882	7.0	20.1
8 19	20 10.58	−31 12.4	1.965	2.886	10.1	20.3
8 29	20 5.06	−30 51.0	2.042	2.890	13.0	20.5

162148 1998 XJ_{80} 7 27.8 208°.88 2°.4/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.48	− 9 6.0	2.713	3.507	11.8	20.7
6 30	20 48.89	− 9 13.0	2.615	3.500	9.5	20.5
7 10	20 42.71	− 9 30.1	2.539	3.492	6.8	20.3
7 20	20 35.32	− 9 56.5	2.489	3.484	4.0	20.2
7 30	20 27.29	−10 30.3	2.467	3.475	2.4	20.0
8 9	20 19.30	−11 9.0	2.475	3.465	4.2	20.1
8 19	20 12.03	−11 49.6	2.511	3.455	7.1	20.3
8 29	20 6.07	−12 29.5	2.573	3.444	9.8	20.5

67197 2000 CU_{79} 7 27.8 252°.61 0°.5/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.72	−16 2.8	2.647	3.469	11.3	19.8
6 30	20 47.63	−16 17.2	2.551	3.458	8.8	19.6
7 10	20 41.92	−16 38.3	2.477	3.448	6.0	19.4
7 20	20 34.98	−17 4.3	2.430	3.437	2.8	19.2
7 30	20 27.39	−17 32.7	2.411	3.426	0.8	19.0
8 9	20 19.86	−18 0.8	2.421	3.414	4.0	19.3
8 19	20 13.07	−18 26.3	2.458	3.403	7.2	19.4
8 29	20 7.64	−18 47.3	2.521	3.391	10.0	19.6

326659 2002 TO_{224} 7 27.8 339°.62 3°.8/26.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 47.65	−23 44.6	1.017	1.914	19.7	19.6
6 30	20 47.01	−24 17.7	0.944	1.894	15.5	19.3
7 10	20 42.89	−24 59.0	0.888	1.876	10.5	19.0
7 20	20 35.83	−25 42.0	0.851	1.860	5.5	18.6
7 30	20 27.11	−26 18.0	0.835	1.845	4.5	18.5
8 9	20 18.54	−26 39.3	0.839	1.833	9.4	18.8
8 19	20 11.90	−26 41.9	0.864	1.822	14.9	19.0
8 29	20 8.60	−26 25.6	0.905	1.813	19.9	19.3

67097 2000 AF_{71} 7 27.8 241°.87 1°.0/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.28	−14 55.1	1.941	2.773	14.5	19.1
6 30	20 50.14	−15 4.7	1.857	2.769	11.4	18.9
7 10	20 43.85	−15 24.0	1.795	2.766	7.7	18.6
7 20	20 35.92	−15 50.8	1.756	2.762	3.7	18.4
7 30	20 27.14	−16 21.9	1.745	2.759	1.2	18.2
8 9	20 18.50	−16 53.5	1.760	2.755	5.1	18.5
8 19	20 10.95	−17 22.5	1.802	2.751	9.0	18.7
8 29	20 5.31	−17 46.4	1.867	2.747	12.5	18.9

19185 Guarneri 7 27.8 322°.11 6°.8/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.50	−32 45.8	1.511	2.374	16.3	18.2
6 30	20 53.76	−33 36.2	1.435	2.361	13.1	17.9
7 10	20 46.85	−34 24.4	1.380	2.349	9.7	17.7
7 20	20 37.43	−35 2.2	1.346	2.338	7.2	17.5
7 30	20 26.70	−35 21.8	1.337	2.326	7.3	17.5
8 9	20 16.24	−35 18.5	1.351	2.316	10.1	17.6
8 19	20 7.53	−34 52.1	1.388	2.306	13.7	17.8
8 29	20 1.72	−34 5.9	1.445	2.296	17.1	18.0

478404 2012 BJ_{132} 7 27.8 174°.43 7°.9/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 2.36	−49 22.2	3.220	4.007	10.3	21.9
6 30	20 56.18	−50 38.6	3.164	4.010	9.1	21.8
7 10	20 47.76	−51 45.2	3.130	4.012	8.2	21.8
7 20	20 37.64	−52 36.4	3.122	4.014	7.9	21.7
7 30	20 26.67	−53 8.0	3.138	4.015	8.3	21.8
8 9	20 15.88	−53 18.0	3.179	4.016	9.2	21.8
8 19	20 6.27	−53 7.0	3.243	4.016	10.4	21.9
8 29	19 58.66	−52 37.7	3.326	4.016	11.6	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
217602 2008 JH_{15}			7 27.8	276°.90	3°.7/29.9	17
	h m	° ′			°	m
6 20	20 53.25	− 8 4.3	1.642	2.465	17.0	20.3
6 30	20 49.85	− 8 8.8	1.550	2.452	13.9	20.1
7 10	20 43.97	− 8 30.8	1.478	2.438	10.1	19.8
7 20	20 36.10	− 9 10.0	1.428	2.424	6.1	19.6
7 30	20 27.08	−10 3.7	1.402	2.410	3.7	19.4
8 9	20 18.06	−11 6.9	1.403	2.397	6.2	19.5
8 19	20 10.17	−12 13.8	1.428	2.383	10.4	19.7
8 29	20 4.43	−13 18.7	1.476	2.369	14.5	19.9
478970 2012 XK_{97}			7 27.8	310°.82	3°.9/25.6	18
6 20	20 55.43	−26 39.6	1.804	2.657	14.5	21.5
6 30	20 51.43	−27 24.6	1.726	2.651	11.3	21.3
7 10	20 44.92	−28 12.2	1.669	2.645	7.8	21.1
7 20	20 36.46	−28 56.7	1.637	2.639	4.6	20.9
7 30	20 27.01	−29 32.2	1.631	2.634	4.3	20.8
8 9	20 17.75	−29 54.2	1.650	2.628	7.4	21.0
8 19	20 9.81	−30 0.8	1.695	2.623	11.0	21.2
8 29	20 4.12	−29 52.6	1.761	2.618	14.3	21.4
446223 2013 GJ_{64}			7 27.8	68°.27	0°.2/27.7	18
6 20	20 51.70	−17 15.1	2.307	3.140	12.4	21.2
6 30	20 47.77	−17 45.6	2.231	3.146	9.6	21.1
7 10	20 42.07	−18 23.5	2.178	3.152	6.4	20.9
7 20	20 35.06	−19 5.8	2.150	3.158	2.8	20.7
7 30	20 27.42	−19 49.0	2.149	3.164	0.9	20.5
8 9	20 19.96	−20 29.5	2.177	3.170	4.5	20.8
8 19	20 13.42	−21 4.4	2.232	3.176	7.8	21.0
8 29	20 8.44	−21 32.0	2.311	3.182	10.8	21.2
97362 2000 AR_{34}			7 27.8	250°.60	1°.4/27.0	18
6 20	20 56.85	−24 1.1	2.594	3.423	11.3	19.6
6 30	20 51.61	−24 0.6	2.500	3.413	8.8	19.5
7 10	20 44.57	−24 1.1	2.429	3.402	5.9	19.3
7 20	20 36.17	−23 59.9	2.385	3.392	2.8	19.0
7 30	20 27.12	−23 54.7	2.370	3.381	1.8	18.9
8 9	20 18.21	−23 43.8	2.383	3.370	4.7	19.1
8 19	20 10.23	−23 26.5	2.425	3.360	7.8	19.3
8 29	20 3.82	−23 3.0	2.491	3.348	10.6	19.5
92224 2000 AR_{87}			7 27.8	206°.97	0°.7/28.4	18
6 20	20 51.56	−14 49.9	2.812	3.628	10.9	20.2
6 30	20 47.38	−15 8.2	2.720	3.624	8.5	20.1
7 10	20 41.68	−15 33.5	2.652	3.619	5.8	19.9
7 20	20 34.87	−16 4.1	2.610	3.615	2.8	19.7
7 30	20 27.49	−16 37.6	2.596	3.610	0.9	19.5
8 9	20 20.19	−17 11.4	2.612	3.605	3.8	19.7
8 19	20 13.59	−17 42.9	2.655	3.600	6.7	19.9
8 29	20 8.26	−18 10.4	2.725	3.595	9.4	20.1
210523 1998 SB_{171}			7 27.8	293°.98	3°.4/29.6	18
6 20	20 53.48	− 9 18.8	1.907	2.724	15.3	21.2
6 30	20 49.87	− 9 11.5	1.793	2.691	12.5	21.0
7 10	20 43.97	− 9 17.5	1.698	2.658	9.1	20.7
7 20	20 36.13	− 9 37.0	1.627	2.624	5.5	20.4
7 30	20 27.08	−10 8.6	1.582	2.590	3.4	20.2
8 9	20 17.82	−10 49.0	1.564	2.556	5.9	20.3
8 19	20 9.40	−11 34.3	1.571	2.522	10.0	20.4
8 29	20 2.84	−12 20.2	1.601	2.488	13.9	20.6
278295 2007 GX_{60}			7 27.8	141°.30	1°.6/28.7	17
6 20	20 56.91	−13 32.3	2.002	2.823	14.5	21.8
6 30	20 51.97	−13 36.3	1.927	2.831	11.4	21.6
7 10	20 44.95	−13 50.1	1.873	2.840	7.8	21.4
7 20	20 36.37	−14 11.8	1.844	2.848	4.0	21.2
7 30	20 27.08	−14 38.6	1.842	2.855	1.6	21.0
8 9	20 18.02	−15 7.0	1.868	2.862	4.9	21.3
8 19	20 10.11	−15 34.2	1.921	2.869	8.7	21.5
8 29	20 4.09	−15 57.8	1.998	2.875	12.0	21.7
481303 2005 YD_{222}			7 27.8	184°.17	2°.8/29.7	18
6 20	20 53.67	− 9 23.0	2.855	3.646	11.3	22.1
6 30	20 48.87	− 9 2.2	2.764	3.646	9.1	21.9
7 10	20 42.61	− 8 49.3	2.696	3.646	6.6	21.8
7 20	20 35.26	− 8 44.2	2.654	3.645	4.1	21.6
7 30	20 27.39	− 8 46.0	2.640	3.644	2.8	21.5
8 9	20 19.63	− 8 53.3	2.656	3.643	4.3	21.6
8 19	20 12.60	− 9 4.4	2.699	3.641	6.8	21.8
8 29	20 6.83	− 9 17.5	2.769	3.639	9.3	21.9
250791 2005 TU_{95}			7 27.8	293°.99	5°.1/24.5	18
6 20	20 55.82	−31 43.0	2.132	2.978	12.8	20.4
6 30	20 51.48	−32 32.1	2.051	2.968	10.2	20.2
7 10	20 44.82	−33 19.9	1.992	2.958	7.5	20.0
7 20	20 36.40	−34 0.8	1.958	2.949	5.4	19.8
7 30	20 27.07	−34 29.3	1.950	2.939	5.5	19.8
8 9	20 17.89	−34 41.8	1.969	2.930	7.7	20.0
8 19	20 9.90	−34 37.4	2.013	2.920	10.6	20.1
8 29	20 3.95	−34 17.2	2.079	2.911	13.4	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
70076 1999 JD_{57}			7 27.8	12°.74	1°.3/27.2	17
	h m	° ′			°	m
6 20	20 50.02	−17 4.3	1.044	1.927	20.4	18.5
6 30	20 48.39	−17 58.4	0.987	1.930	15.8	18.3
7 10	20 43.48	−19 9.7	0.948	1.934	10.5	18.0
7 20	20 35.97	−20 31.4	0.928	1.938	4.6	17.7
7 30	20 27.19	−21 53.9	0.931	1.944	2.2	17.5
8 9	20 18.80	−23 7.1	0.955	1.952	7.9	17.9
8 19	20 12.34	−24 4.2	1.002	1.960	13.3	18.2
8 29	20 8.94	−24 42.1	1.067	1.969	18.0	18.5
385588 2004 XK_{102}			7 27.8	191°.53	4°.9/23.9	18
6 20	20 58.33	−31 20.9	2.417	3.252	11.9	21.8
6 30	20 53.15	−32 31.1	2.339	3.250	9.4	21.6
7 10	20 45.81	−33 41.0	2.285	3.248	6.9	21.5
7 20	20 36.82	−34 44.5	2.258	3.245	5.1	21.3
7 30	20 26.95	−35 36.1	2.258	3.242	5.3	21.4
8 9	20 17.20	−36 11.9	2.286	3.238	7.4	21.5
8 19	20 8.50	−36 30.3	2.340	3.233	9.9	21.6
8 29	20 1.67	−36 32.3	2.418	3.228	12.4	21.8
519271 2011 AZ_{82}			7 27.8	207°.74	1°.1/27.2	17
6 20	20 58.01	−19 54.8	1.928	2.764	14.4	22.8
6 30	20 53.16	−20 21.3	1.843	2.759	11.2	22.6
7 10	20 45.95	−20 54.7	1.779	2.754	7.4	22.4
7 20	20 36.92	−21 31.0	1.741	2.749	3.3	22.1
7 30	20 26.93	−22 5.9	1.729	2.743	1.6	22.0
8 9	20 17.09	−22 35.0	1.746	2.736	5.7	22.3
8 19	20 8.42	−22 55.8	1.788	2.729	9.7	22.5
8 29	20 1.83	−23 7.0	1.854	2.721	13.2	22.7
233551 2007 LD_{13}			7 27.8	306°.74	2°.6/29.5	18
6 20	20 50.46	− 9 15.9	1.578	2.413	17.1	19.3
6 30	20 47.94	− 9 44.2	1.478	2.388	13.8	19.0
7 10	20 42.89	−10 32.7	1.396	2.363	9.9	18.7
7 20	20 35.72	−11 40.3	1.337	2.339	5.5	18.4
7 30	20 27.23	−13 2.9	1.303	2.315	2.6	18.2
8 9	20 18.59	−14 33.9	1.294	2.291	6.1	18.3
8 19	20 10.99	−16 5.4	1.310	2.267	10.9	18.5
8 29	20 5.58	−17 30.5	1.348	2.244	15.4	18.8
399843 2005 UG_{85}			7 27.8	303°.30	2°.4/26.3	15
6 20	20 53.06	−23 25.5	2.042	2.890	13.2	21.3
6 30	20 49.33	−24 2.7	1.952	2.876	10.3	21.1
7 10	20 43.41	−24 44.7	1.885	2.862	6.9	20.9
7 20	20 35.79	−25 27.1	1.842	2.849	3.5	20.6
7 30	20 27.26	−26 5.2	1.826	2.835	2.8	20.6
8 9	20 18.79	−26 34.8	1.837	2.822	6.1	20.7
8 19	20 11.36	−26 53.4	1.874	2.809	9.7	20.9
8 29	20 5.83	−27 0.1	1.933	2.796	13.0	21.1
215876 2005 EO_{207}			7 27.8	71°.72	2°.3/26.6	18
6 20	20 56.55	−20 51.3	1.440	2.298	17.2	20.3
6 30	20 52.72	−21 40.1	1.371	2.300	13.3	20.1
7 10	20 46.00	−22 38.1	1.322	2.303	8.9	19.8
7 20	20 37.03	−23 39.4	1.296	2.305	4.2	19.6
7 30	20 26.92	−24 36.5	1.296	2.307	2.9	19.5
8 9	20 17.10	−25 22.8	1.320	2.309	7.3	19.8
8 19	20 8.88	−25 54.7	1.368	2.312	11.8	20.0
8 29	20 3.32	−26 11.2	1.438	2.314	15.8	20.3
398502 2011 UX_{196}			7 27.8	76°.04	4°.9/30.7	18
6 20	20 53.44	− 5 13.5	2.139	2.932	14.6	20.6
6 30	20 49.16	− 4 40.1	2.061	2.937	12.0	20.4
7 10	20 43.02	− 4 19.7	2.003	2.943	9.1	20.3
7 20	20 35.52	− 4 13.1	1.968	2.948	6.4	20.1
7 30	20 27.36	− 4 19.7	1.960	2.954	4.9	20.0
8 9	20 19.39	− 4 37.7	1.979	2.960	6.0	20.1
8 19	20 12.39	− 5 4.0	2.023	2.965	8.7	20.3
8 29	20 7.03	− 5 35.2	2.092	2.971	11.5	20.5
358884 2008 GJ_{19}			7 27.8	106°.96	1°.8/26.5	18
6 20	20 53.40	−21 50.0	2.355	3.192	12.1	21.3
6 30	20 49.10	−22 37.2	2.284	3.202	9.3	21.1
7 10	20 42.97	−23 29.0	2.236	3.211	6.1	21.0
7 20	20 35.49	−24 21.4	2.214	3.220	2.9	20.8
7 30	20 27.38	−25 10.2	2.220	3.230	2.2	20.7
8 9	20 19.46	−25 51.7	2.254	3.238	5.1	20.9
8 19	20 12.50	−26 23.4	2.315	3.247	8.2	21.2
8 29	20 7.17	−26 44.4	2.400	3.256	11.0	21.4
352861 2008 WB_{98}			7 27.8	342°.97	3°.3/28.6	18
6 20	20 51.61	−16 17.7	1.125	2.000	19.9	19.2
6 30	20 49.58	−15 11.1	1.046	1.982	15.9	18.8
7 10	20 44.32	−14 10.2	0.985	1.965	11.2	18.5
7 20	20 36.42	−13 15.9	0.944	1.950	6.1	18.2
7 30	20 27.09	−12 29.0	0.925	1.937	3.4	18.0
8 9	20 17.93	−11 49.6	0.927	1.925	7.7	18.2
8 19	20 10.51	−11 17.2	0.951	1.916	13.0	18.5
8 29	20 6.07	−10 50.4	0.994	1.908	17.9	18.7

284536 2007 RJ_{189} 7 27.8 302.°95 2.°3/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 51.77	−11 21.2	1.748	2.580	15.8	20.3
6 30	20 48.60	−11 29.3	1.652	2.562	12.7	20.1
7 10	20 43.11	−11 51.6	1.577	2.545	8.9	19.8
7 20	20 35.74	−12 26.8	1.525	2.527	4.9	19.5
7 30	20 27.29	−13 12.0	1.498	2.510	2.4	19.3
8 9	20 18.83	−14 2.6	1.497	2.493	5.6	19.5
8 19	20 11.41	−14 53.9	1.521	2.476	9.9	19.7
8 29	20 6.00	−15 41.4	1.569	2.460	13.9	19.9

103314 2000 AY_{56} 7 27.8 133.°24 0.°7/27.4 18

6 20	20 56.12	−19 28.6	2.185	3.017	13.1	20.3
6 30	20 51.26	−19 50.6	2.112	3.026	10.1	20.1
7 10	20 44.43	−20 18.2	2.060	3.035	6.7	19.9
7 20	20 36.16	−20 48.3	2.035	3.043	3.0	19.7
7 30	20 27.22	−21 17.2	2.037	3.051	1.2	19.5
8 9	20 18.52	−21 41.7	2.068	3.059	4.9	19.8
8 19	20 10.90	−21 59.7	2.125	3.066	8.4	20.0
8 29	20 5.07	−22 10.2	2.207	3.073	11.4	20.3

270575 2002 JY_{78} 7 27.8 26.°23 4.°5/29.6 17

6 20	20 54.16	−10 34.7	1.138	1.994	20.9	19.9
6 30	20 51.14	− 9 59.4	1.080	2.001	16.8	19.7
7 10	20 45.03	− 9 41.4	1.040	2.010	12.1	19.4
7 20	20 36.60	− 9 40.9	1.019	2.019	7.2	19.2
7 30	20 27.10	− 9 55.8	1.020	2.029	4.5	19.1
8 9	20 18.08	−10 21.5	1.044	2.040	7.5	19.3
8 19	20 10.89	−10 53.0	1.090	2.051	12.1	19.6
8 29	20 6.56	−11 25.0	1.156	2.064	16.5	19.9

425544 2010 RL_{55} 7 27.8 304.°22 3.°3/29.2 18

6 20	20 53.39	−11 46.7	1.302	2.153	19.1	21.0
6 30	20 50.71	−11 31.2	1.213	2.133	15.4	20.7
7 10	20 45.01	−11 31.0	1.140	2.112	11.0	20.4
7 20	20 36.77	−11 46.2	1.089	2.092	6.2	20.1
7 30	20 27.00	−12 14.3	1.061	2.072	3.3	19.8
8 9	20 17.14	−12 51.0	1.056	2.053	7.2	20.0
8 19	20 8.70	−13 30.9	1.073	2.034	12.4	20.2
8 29	20 2.96	−14 8.9	1.111	2.015	17.3	20.5

35036 1981 EC_{30} 7 27.8 104.°44 3.°6/26.2 18

6 20	21 0.67	−30 13.6	2.245	3.079	12.7	19.2
6 30	20 54.80	−30 19.3	2.168	3.080	9.9	19.1
7 10	20 46.78	−30 21.9	2.114	3.082	6.9	18.9
7 20	20 37.20	−30 17.6	2.085	3.084	4.3	18.7
7 30	20 26.96	−30 3.1	2.085	3.085	3.9	18.7
8 9	20 17.08	−29 36.9	2.112	3.087	6.2	18.9
8 19	20 8.48	−28 59.6	2.166	3.089	9.2	19.0
8 29	20 1.90	−28 13.2	2.245	3.090	12.0	19.2

275565 1999 SZ_{9} 7 27.8 332.°20 9.°1/ 1.6 18

6 20	20 47.87	+ 0 46.9	1.413	2.221	20.0	19.8
6 30	20 46.00	+ 1 32.8	1.327	2.204	17.3	19.5
7 10	20 41.60	+ 1 55.1	1.257	2.188	14.1	19.3
7 20	20 35.14	+ 1 49.9	1.206	2.173	11.1	19.1
7 30	20 27.47	+ 1 15.4	1.176	2.159	9.2	18.9
8 9	20 19.80	+ 0 14.3	1.169	2.145	9.9	18.9
8 19	20 13.32	− 1 7.1	1.184	2.133	12.6	19.1
8 29	20 9.12	− 2 40.0	1.219	2.122	16.1	19.2

150099 1137 $T\text{-}_{3}$ 7 27.8 247.°53 2.°5/26.3 18

6 20	20 55.83	−26 4.6	2.386	3.224	11.9	20.4
6 30	20 51.05	−26 23.6	2.302	3.218	9.3	20.2
7 10	20 44.31	−26 43.5	2.240	3.213	6.3	20.0
7 20	20 36.13	−27 0.7	2.204	3.208	3.4	19.8
7 30	20 27.24	−27 11.7	2.196	3.202	2.8	19.7
8 9	20 18.54	−27 14.1	2.216	3.197	5.5	19.9
8 19	20 10.84	−27 7.0	2.262	3.191	8.6	20.1
8 29	20 4.86	−26 50.6	2.333	3.186	11.4	20.3

92910 2000 RJ_{10} 7 27.8 234.°77 5.°5/31.3 18

6 20	20 54.04	− 2 14.8	2.219	2.994	14.7	19.7
6 30	20 49.76	− 1 55.6	2.119	2.982	12.3	19.5
7 10	20 43.56	− 1 51.5	2.040	2.969	9.6	19.3
7 20	20 35.85	− 2 3.7	1.984	2.956	7.0	19.2
7 30	20 27.31	− 2 31.7	1.954	2.943	5.5	19.0
8 9	20 18.76	− 3 13.3	1.951	2.929	6.5	19.1
8 19	20 11.04	− 4 4.7	1.975	2.914	9.0	19.2
8 29	20 4.92	− 5 1.6	2.023	2.899	11.9	19.4

437061 2012 UQ_{42} 7 27.8 27.°78 8.°5/ 1.8 16

6 20	20 51.63	+ 1 10.6	1.574	2.365	19.1	20.5
6 30	20 48.41	+ 1 58.0	1.506	2.371	16.3	20.3
7 10	20 42.86	+ 2 23.1	1.455	2.378	13.2	20.2
7 20	20 35.57	+ 2 23.3	1.425	2.385	10.3	20.0
7 30	20 27.42	+ 1 58.2	1.417	2.394	8.6	19.9
8 9	20 19.51	+ 1 10.9	1.432	2.402	9.1	20.0
8 19	20 12.86	+ 0 7.1	1.471	2.411	11.4	20.2
8 29	20 8.31	− 1 5.9	1.532	2.421	14.3	20.4

22374 1993 TX_{33} 7 27.8 178.°17 3.°2/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 50.86	− 5 49.0	2.779	3.563	11.8	19.6
6 30	20 46.82	− 5 54.9	2.689	3.564	9.6	19.4
7 10	20 41.32	− 6 12.5	2.621	3.565	7.1	19.3
7 20	20 34.76	− 6 41.0	2.579	3.565	4.7	19.1
7 30	20 27.65	− 7 19.0	2.564	3.565	3.2	19.0
8 9	20 20.63	− 8 3.8	2.578	3.565	4.4	19.1
8 19	20 14.30	− 8 52.3	2.620	3.565	6.8	19.3
8 29	20 9.21	− 9 41.6	2.688	3.564	9.3	19.4

519151 2010 NR_{43} 7 27.8 268.°43 3.°5/25.9 17

6 20	20 59.06	−29 42.9	2.470	3.302	11.7	21.6
6 30	20 53.64	−29 58.7	2.371	3.283	9.3	21.4
7 10	20 46.12	−30 12.8	2.295	3.263	6.5	21.2
7 20	20 37.00	−30 21.3	2.245	3.243	4.1	21.0
7 30	20 27.05	−30 20.5	2.224	3.223	3.8	20.9
8 9	20 17.20	−30 8.1	2.230	3.203	6.1	21.0
8 19	20 8.38	−29 43.7	2.264	3.182	9.1	21.2
8 29	20 1.36	−29 8.6	2.321	3.162	11.9	21.3

399034 2013 HM_{23} 7 27.8 178.°01 9.°0/ 5.2 18

6 20	20 51.55	+14 28.7	2.994	3.643	13.6	21.4
6 30	20 47.30	+15 20.0	2.907	3.644	12.3	21.3
7 10	20 41.63	+15 53.8	2.838	3.645	11.0	21.2
7 20	20 34.91	+16 7.8	2.790	3.646	9.9	21.1
7 30	20 27.63	+16 0.5	2.765	3.646	9.1	21.0
8 9	20 20.42	+15 32.5	2.763	3.646	9.0	21.0
8 19	20 13.85	+14 46.1	2.786	3.645	9.6	21.1
8 29	20 8.47	+13 45.1	2.832	3.645	10.7	21.1

270373 William 7 27.8 271.°58 18.°9/15.6 15

6 20	21 13.15	−53 15.4	1.198	2.028	21.7	20.3
6 30	21 9.41	−55 51.6	1.152	2.018	20.1	20.1
7 10	20 59.44	−58 7.7	1.123	2.009	19.1	20.0
7 20	20 43.84	−59 44.9	1.110	1.999	19.0	20.0
7 30	20 25.09	−60 27.0	1.115	1.989	20.0	20.0
8 9	20 7.10	−60 8.5	1.136	1.979	21.6	20.1
8 19	19 53.39	−58 55.8	1.171	1.969	23.7	20.2
8 29	19 45.95	−57 1.8	1.219	1.959	25.7	20.4

472038 2013 YQ_{31} 7 27.8 7.°08 4.°7/29.2 17

6 20	20 56.95	−12 13.0	1.387	2.229	18.6	19.8
6 30	20 52.87	−10 58.5	1.317	2.230	15.0	19.6
7 10	20 46.00	− 9 53.3	1.266	2.231	10.9	19.3
7 20	20 37.02	− 8 59.3	1.236	2.233	6.8	19.1
7 30	20 27.06	− 8 17.8	1.231	2.237	4.8	19.0
8 9	20 17.47	− 7 48.4	1.250	2.241	7.4	19.2
8 19	20 9.48	− 7 29.8	1.293	2.246	11.5	19.4
8 29	20 4.04	− 7 19.3	1.358	2.252	15.4	19.7

312747 2010 TR_{57} 7 27.8 282.°91 3.°7/30.2 18

6 20	20 51.74	− 7 25.3	2.274	3.075	13.6	20.6
6 30	20 47.88	− 7 11.1	2.182	3.068	11.1	20.4
7 10	20 42.25	− 7 8.7	2.111	3.060	8.2	20.2
7 20	20 35.25	− 7 18.2	2.064	3.053	5.3	20.0
7 30	20 27.55	− 7 38.3	2.044	3.046	3.7	19.9
8 9	20 19.92	− 8 6.8	2.051	3.039	5.2	20.0
8 19	20 13.13	− 8 40.5	2.084	3.032	8.1	20.2
8 29	20 7.86	− 9 16.3	2.143	3.025	11.1	20.3

404775 2014 JH_{46} 7 27.8 332.°75 3.°8/25.2 18

6 20	20 51.01	−24 34.1	1.789	2.649	14.3	20.0
6 30	20 48.13	−25 44.0	1.707	2.637	11.1	19.8
7 10	20 42.85	−27 0.6	1.647	2.626	7.6	19.5
7 20	20 35.66	−28 17.6	1.611	2.615	4.4	19.3
7 30	20 27.42	−29 27.8	1.602	2.605	4.3	19.3
8 9	20 19.24	−30 24.9	1.618	2.595	7.5	19.5
8 19	20 12.22	−31 5.2	1.658	2.587	11.2	19.7
8 29	20 7.32	−31 27.7	1.720	2.578	14.5	19.9

449022 2012 BA_{138} 7 27.8 336.°97 1.°3/28.5 18

6 20	20 53.78	−16 7.3	1.921	2.757	14.4	20.5
6 30	20 49.82	−15 46.9	1.834	2.749	11.4	20.3
7 10	20 43.70	−15 33.2	1.769	2.741	7.8	20.1
7 20	20 35.94	−15 25.1	1.728	2.734	3.8	19.8
7 30	20 27.36	−15 20.8	1.713	2.727	1.5	19.6
8 9	20 18.95	−15 18.2	1.726	2.721	5.1	19.9
8 19	20 11.63	−15 15.6	1.764	2.715	9.0	20.1
8 29	20 6.22	−15 11.5	1.825	2.710	12.6	20.3

62154 2000 SH_{22} 7 27.8 241.°69 1.°1/28.7 18

6 20	20 51.87	−12 37.9	2.434	3.250	12.4	19.9
6 30	20 47.96	−13 11.2	2.338	3.240	9.8	19.7
7 10	20 42.29	−13 55.4	2.264	3.231	6.7	19.5
7 20	20 35.29	−14 48.1	2.217	3.221	3.3	19.3
7 30	20 27.55	−15 46.2	2.197	3.211	1.2	19.1
8 9	20 19.83	−16 45.6	2.206	3.201	4.3	19.3
8 19	20 12.88	−17 42.5	2.243	3.190	7.6	19.5
8 29	20 7.39	−18 33.8	2.305	3.179	10.7	19.7

61723 2000 QJ_{145} 7 27.8 25.°96 0.°5/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 50.86	−14 20.5	1.212	2.078	19.3	18.1
6 30	20 48.48	−14 58.7	1.157	2.089	15.0	17.9
7 10	20 43.23	−15 53.7	1.121	2.102	10.1	17.6
7 20	20 35.82	−17 0.6	1.106	2.115	4.6	17.3
7 30	20 27.42	−18 12.0	1.115	2.130	1.2	17.1
8 9	20 19.46	−19 20.0	1.147	2.145	6.5	17.6
8 19	20 13.20	−20 18.4	1.202	2.161	11.5	17.9
8 29	20 9.58	−21 3.3	1.278	2.179	15.8	18.2

516148 2015 XW_{89} 7 27.8 256.°08 2.°1/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 50.55	− 8 37.5	2.773	3.570	11.5	21.3
6 30	20 46.73	− 9 7.1	2.667	3.554	9.2	21.1
7 10	20 41.39	− 9 48.4	2.583	3.539	6.6	20.9
7 20	20 34.86	−10 40.1	2.526	3.523	3.8	20.7
7 30	20 27.67	−11 39.9	2.497	3.506	2.1	20.6
8 9	20 20.46	−12 44.3	2.497	3.490	4.0	20.7
8 19	20 13.87	−13 49.6	2.526	3.473	6.9	20.8
8 29	20 8.51	−14 52.4	2.581	3.456	9.7	21.0

149763 2004 PH_{75} 7 27.8 329.°65 0.°7/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 50.65	−13 48.4	2.065	2.897	13.7	19.9
6 30	20 47.30	−14 25.8	1.979	2.892	10.8	19.7
7 10	20 42.00	−15 14.9	1.915	2.887	7.3	19.4
7 20	20 35.19	−16 13.1	1.876	2.882	3.5	19.2
7 30	20 27.58	−17 16.1	1.863	2.878	1.0	19.0
8 9	20 20.06	−18 19.0	1.878	2.874	4.8	19.3
8 19	20 13.48	−19 17.4	1.920	2.870	8.5	19.5
8 29	20 8.59	−20 8.1	1.986	2.866	11.9	19.7

120992 1998 XS_{23} 7 27.9 236.°95 1.°5/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.28	−12 37.0	2.529	3.344	12.0	20.5
6 30	20 47.35	−12 46.8	2.440	3.341	9.5	20.3
7 10	20 41.80	−13 5.5	2.374	3.338	6.5	20.1
7 20	20 35.03	−13 31.5	2.333	3.335	3.4	19.9
7 30	20 27.65	−14 2.6	2.319	3.332	1.5	19.7
8 9	20 20.36	−14 36.1	2.334	3.329	4.1	19.9
8 19	20 13.86	−15 9.2	2.377	3.325	7.2	20.1
8 29	20 8.74	−15 39.6	2.445	3.322	10.1	20.3

58423 1996 BW_{11} 7 27.9 24.°22 3.°3/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.31	−21 20.1	1.122	2.001	19.6	18.0
6 30	20 51.68	−22 22.6	1.064	2.005	15.2	17.8
7 10	20 45.68	−23 36.5	1.025	2.010	10.1	17.5
7 20	20 37.04	−24 53.6	1.007	2.016	5.0	17.3
7 30	20 27.10	−26 3.8	1.011	2.022	4.0	17.2
8 9	20 17.59	−26 58.6	1.039	2.029	8.7	17.5
8 19	20 10.06	−27 33.5	1.088	2.036	13.7	17.8
8 29	20 5.68	−27 48.1	1.156	2.044	18.0	18.1

98201 2000 SJ_{122} 7 27.9 131.°50 3.°2/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.44	−23 26.1	1.564	2.416	16.4	18.4
6 30	20 54.78	−24 21.9	1.499	2.424	12.7	18.2
7 10	20 47.29	−25 23.8	1.454	2.431	8.5	17.9
7 20	20 37.64	−26 25.0	1.433	2.439	4.4	17.7
7 30	20 26.95	−27 18.2	1.438	2.445	3.8	17.7
8 9	20 16.60	−27 57.7	1.469	2.452	7.5	17.9
8 19	20 7.86	−28 20.9	1.524	2.458	11.6	18.2
8 29	20 1.71	−28 28.0	1.601	2.464	15.2	18.4

174935 2004 CT_{62} 7 27.9 38.°89 5.°4/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.13	−29 11.5	1.658	2.518	15.2	19.4
6 30	20 51.32	−30 21.8	1.604	2.531	11.9	19.3
7 10	20 44.89	−31 32.3	1.571	2.544	8.4	19.1
7 20	20 36.52	−32 35.6	1.562	2.558	5.8	19.0
7 30	20 27.27	−33 24.6	1.579	2.572	5.9	19.0
8 9	20 18.44	−33 54.9	1.620	2.587	8.5	19.2
8 19	20 11.14	−34 5.2	1.685	2.602	11.7	19.4
8 29	20 6.27	−33 57.1	1.772	2.617	14.7	19.7

362521 2010 TQ_{112} 7 27.9 120.°07 0.°6/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.77	−19 41.9	2.456	3.286	11.8	21.7
6 30	20 49.28	−20 0.9	2.380	3.293	9.1	21.5
7 10	20 43.06	−20 24.6	2.326	3.300	6.0	21.3
7 20	20 35.59	−20 50.3	2.299	3.307	2.7	21.1
7 30	20 27.54	−21 15.2	2.299	3.313	1.1	21.0
8 9	20 19.67	−21 36.3	2.328	3.319	4.4	21.2
8 19	20 12.73	−21 51.9	2.385	3.326	7.6	21.4
8 29	20 7.33	−22 1.0	2.466	3.332	10.4	21.6

357875 2005 UL_{384} 7 27.9 331.°88 5.°8/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.23	−32 33.4	1.963	2.814	13.6	19.8
6 30	20 51.26	−33 29.6	1.888	2.808	10.8	19.6
7 10	20 44.83	−34 23.9	1.835	2.801	8.0	19.4
7 20	20 36.52	−35 10.2	1.806	2.795	6.0	19.3
7 30	20 27.26	−35 42.1	1.804	2.789	6.2	19.3
8 9	20 18.21	−35 56.0	1.826	2.784	8.5	19.4
8 19	20 10.46	−35 51.0	1.873	2.778	11.4	19.6
8 29	20 4.90	−35 28.6	1.941	2.774	14.1	19.8

438149 2005 ST_{102} 7 27.9 344.°80 3.°8/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 56.40	−28 26.5	1.947	2.796	13.8	21.2
6 30	20 51.97	−28 51.1	1.871	2.793	10.8	21.0
7 10	20 45.18	−29 15.3	1.816	2.790	7.5	20.8
7 20	20 36.63	−29 34.3	1.786	2.787	4.5	20.6
7 30	20 27.25	−29 43.6	1.782	2.785	4.2	20.6
8 9	20 18.13	−29 40.3	1.805	2.783	6.9	20.7
8 19	20 10.32	−29 23.8	1.853	2.781	10.2	20.9
8 29	20 4.64	−28 55.4	1.924	2.779	13.3	21.1

5935 Ostankino 7 27.9 78.°04 7.°4/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.74	+ 1 54.0	1.777	2.551	17.8	17.1
6 30	20 49.02	+ 2 10.7	1.706	2.561	15.1	16.9
7 10	20 43.17	+ 2 5.1	1.652	2.571	12.1	16.8
7 20	20 35.72	+ 1 35.8	1.620	2.581	9.2	16.6
7 30	20 27.50	+ 0 44.0	1.612	2.591	7.5	16.5
8 9	20 19.50	− 0 26.4	1.629	2.601	8.0	16.6
8 19	20 12.64	− 1 49.0	1.670	2.611	10.2	16.8
8 29	20 7.69	− 3 16.9	1.736	2.621	13.1	17.0

431210 2006 SA_{187} 7 27.9 256.°01 1.°9/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.25	−21 25.9	1.780	2.623	15.1	22.1
6 30	20 53.80	−21 58.0	1.685	2.606	11.8	21.8
7 10	20 46.70	−22 37.3	1.611	2.588	7.9	21.6
7 20	20 37.46	−23 19.2	1.562	2.570	3.7	21.3
7 30	20 26.99	−23 58.3	1.539	2.551	2.4	21.1
8 9	20 16.49	−24 29.4	1.543	2.532	6.5	21.4
8 19	20 7.21	−24 49.5	1.572	2.512	10.9	21.6
8 29	20 0.19	−24 57.6	1.624	2.492	14.8	21.8

509504 2007 UX_{134} 7 27.9 320.°87 3.°0/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.70	−24 22.4	1.779	2.633	14.6	21.4
6 30	20 50.90	−25 0.8	1.700	2.626	11.4	21.1
7 10	20 44.64	−25 43.5	1.642	2.620	7.7	20.9
7 20	20 36.46	−26 25.5	1.608	2.614	4.1	20.7
7 30	20 27.29	−27 1.1	1.600	2.608	3.4	20.6
8 9	20 18.31	−27 25.8	1.618	2.603	6.8	20.8
8 19	20 10.60	−27 37.3	1.661	2.597	10.6	21.0
8 29	20 5.09	−27 35.6	1.727	2.592	14.1	21.3

367069 2006 PK_{9} 7 27.9 334.°27 2.°3/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 54.40	−23 39.3	1.106	1.988	19.6	20.1
6 30	20 52.06	−23 35.7	1.031	1.973	15.4	19.8
7 10	20 46.18	−23 35.9	0.973	1.958	10.4	19.5
7 20	20 37.39	−23 35.1	0.935	1.944	5.0	19.1
7 30	20 27.03	−23 27.9	0.919	1.932	2.9	18.9
8 9	20 16.90	−23 10.1	0.925	1.921	8.2	19.2
8 19	20 8.73	−22 41.0	0.952	1.911	13.8	19.5
8 29	20 3.86	−22 1.7	0.998	1.902	18.8	19.8

183547 2003 HR_{38} 7 27.9 92.°23 2.°4/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.91	−10 17.5	2.275	3.085	13.3	20.8
6 30	20 48.66	−10 20.4	2.202	3.097	10.6	20.6
7 10	20 42.68	−10 34.1	2.150	3.109	7.5	20.5
7 20	20 35.44	−10 57.3	2.123	3.121	4.3	20.3
7 30	20 27.62	−11 27.8	2.123	3.133	2.4	20.2
8 9	20 20.01	−12 2.5	2.151	3.144	4.5	20.3
8 19	20 13.33	−12 38.4	2.207	3.156	7.6	20.6
8 29	20 8.22	−13 12.6	2.287	3.167	10.6	20.8

171572 1999 UJ_{42} 7 27.9 251.°55 20.°8/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.25	+20 43.4	1.377	2.055	26.0	20.0
6 30	20 52.99	+23 5.5	1.303	2.044	24.6	19.9
7 10	20 46.64	+24 57.0	1.240	2.031	23.2	19.7
7 20	20 37.63	+26 6.7	1.190	2.018	21.9	19.6
7 30	20 26.94	+26 25.0	1.154	2.005	21.0	19.5
8 9	20 16.02	+25 48.0	1.134	1.991	20.8	19.4
8 19	20 6.43	+24 18.1	1.130	1.977	21.4	19.4
8 29	19 59.57	+22 5.0	1.142	1.963	22.7	19.4

185579 2008 BS_{16} 7 27.9 133.°44 1.°6/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.59	−12 3.1	1.581	2.416	17.1	20.5
6 30	20 51.64	−12 29.4	1.508	2.420	13.5	20.3
7 10	20 45.16	−13 11.3	1.454	2.424	9.3	20.1
7 20	20 36.71	−14 5.9	1.423	2.427	4.7	19.8
7 30	20 27.27	−15 8.2	1.417	2.431	1.8	19.6
8 9	20 18.04	−16 12.1	1.438	2.434	5.8	19.9
8 19	20 10.17	−17 12.1	1.484	2.437	10.3	20.1
8 29	20 4.57	−18 3.9	1.553	2.440	14.2	20.4

392008 2008 YC_{158} 7 27.9 244.°50 1.°4/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.78	−21 46.2	2.124	2.960	13.2	21.7
6 30	20 52.08	−22 2.7	2.033	2.949	10.3	21.4
7 10	20 45.22	−22 23.5	1.964	2.939	6.9	21.2
7 20	20 36.68	−22 45.2	1.921	2.928	3.2	21.0
7 30	20 27.28	−23 4.2	1.905	2.918	1.8	20.8
8 9	20 17.98	−23 17.2	1.917	2.906	5.4	21.1
8 19	20 9.74	−23 22.5	1.956	2.895	9.1	21.3
8 29	20 3.37	−23 19.4	2.018	2.883	12.4	21.5

491119 2011 SW_{102} 7 27.9 303°.51 6°.2/24.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 58.15	−32 28.2	1.794	2.645	14.6	21.3
6 30	20 54.10	−33 17.7	1.695	2.614	11.8	21.1
7 10	20 47.14	−34 6.5	1.617	2.584	8.8	20.8
7 20	20 37.76	−34 47.6	1.563	2.553	6.5	20.6
7 30	20 26.95	−35 13.4	1.533	2.522	6.7	20.5
8 9	20 16.06	−35 18.9	1.529	2.492	9.4	20.6
8 19	20 6.49	−35 2.4	1.549	2.461	12.9	20.8
8 29	19 59.46	−34 26.0	1.590	2.431	16.4	20.9

162840 2001 DE_{3} 7 27.9 42°.42 3°.7/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.65	+ 0 30.3	0.987	1.819	25.1	19.4
6 30	20 51.50	− 1 30.7	0.918	1.823	20.7	19.1
7 10	20 45.88	− 4 23.6	0.865	1.827	15.0	18.8
7 20	20 37.32	− 8 4.4	0.833	1.832	8.7	18.5
7 30	20 27.07	−12 17.0	0.825	1.837	3.7	18.3
8 9	20 16.93	−16 35.9	0.843	1.842	7.8	18.5
8 19	20 8.67	−20 35.2	0.885	1.848	14.0	18.9
8 29	20 3.75	−23 57.8	0.950	1.854	19.6	19.2

75143 1999 VF_{90} 7 27.9 166°.41 4°.8/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.91	− 5 9.8	1.909	2.702	16.1	20.0
6 30	20 52.17	− 4 55.5	1.828	2.707	13.2	19.8
7 10	20 45.25	− 4 57.1	1.767	2.710	9.9	19.6
7 20	20 36.69	− 5 14.7	1.729	2.714	6.7	19.5
7 30	20 27.29	− 5 46.9	1.718	2.716	4.8	19.4
8 9	20 18.06	− 6 30.2	1.733	2.719	6.3	19.4
8 19	20 9.95	− 7 20.4	1.775	2.720	9.4	19.6
8 29	20 3.75	− 8 12.8	1.840	2.721	12.7	19.8

382101 2011 GY_{66} 7 27.9 40°.44 10°.6/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 59.14	−38 41.8	1.365	2.228	17.7	20.0
6 30	20 55.39	−40 36.1	1.328	2.245	14.6	19.9
7 10	20 48.08	−42 20.9	1.311	2.262	12.0	19.8
7 20	20 38.09	−43 44.2	1.316	2.280	10.7	19.8
7 30	20 26.94	−44 36.2	1.343	2.298	11.2	19.8
8 9	20 16.49	−44 53.4	1.392	2.317	13.3	20.0
8 19	20 8.30	−44 37.8	1.461	2.337	15.8	20.2
8 29	20 3.42	−43 55.5	1.549	2.356	18.3	20.5

391850 2008 SL_{286} 7 27.9 283°.01 8°.9/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.73	+ 3 16.5	1.859	2.622	17.5	20.8
6 30	20 49.15	+ 4 9.6	1.769	2.612	15.2	20.6
7 10	20 43.40	+ 4 43.3	1.697	2.601	12.7	20.4
7 20	20 35.93	+ 4 54.1	1.645	2.591	10.3	20.2
7 30	20 27.50	+ 4 40.4	1.616	2.580	9.0	20.1
8 9	20 19.08	+ 4 3.6	1.612	2.570	9.4	20.1
8 19	20 11.64	+ 3 7.6	1.632	2.559	11.4	20.2
8 29	20 6.06	+ 1 58.5	1.674	2.549	14.0	20.3

45473 2000 AG_{212} 7 27.9 307°.60 0°.1/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.70	−18 1.3	1.698	2.546	15.5	18.8
6 30	20 50.29	−18 9.9	1.604	2.526	12.2	18.6
7 10	20 44.38	−18 27.0	1.529	2.506	8.2	18.3
7 20	20 36.44	−18 50.0	1.478	2.487	3.7	18.0
7 30	20 27.35	−19 15.0	1.453	2.467	1.0	17.7
8 9	20 18.25	−19 38.0	1.453	2.448	5.9	18.0
8 19	20 10.32	−19 55.6	1.478	2.429	10.4	18.2
8 29	20 4.57	−20 5.9	1.525	2.411	14.5	18.4

270227 2001 TD_{191} 7 27.9 314°.07 0°.7/28.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.50	−17 14.6	1.486	2.337	17.1	19.6
6 30	20 51.92	−17 5.7	1.402	2.325	13.5	19.3
7 10	20 45.57	−17 5.4	1.337	2.314	9.2	19.1
7 20	20 36.99	−17 11.7	1.295	2.302	4.3	18.8
7 30	20 27.22	−17 21.2	1.277	2.292	1.2	18.5
8 9	20 17.58	−17 30.4	1.284	2.281	6.2	18.8
8 19	20 9.36	−17 36.6	1.316	2.271	11.1	19.1
8 29	20 3.63	−17 38.0	1.369	2.261	15.4	19.3

288528 2004 FM_{166} 7 27.9 44°.21 6°.0/25.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 3.97	−34 19.0	1.628	2.476	16.1	20.2
6 30	20 57.90	−34 37.3	1.584	2.501	12.7	20.0
7 10	20 49.02	−34 48.4	1.561	2.526	9.3	19.9
7 20	20 38.26	−34 46.5	1.562	2.552	6.6	19.8
7 30	20 26.96	−34 27.2	1.588	2.578	6.3	19.8
8 9	20 16.53	−33 49.8	1.639	2.605	8.5	20.0
8 19	20 8.09	−32 56.8	1.715	2.632	11.6	20.3
8 29	20 2.39	−31 52.6	1.813	2.659	14.4	20.5

511895 2015 HP_{15} 7 27.9 40°.03 7°.7/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.20	+ 1 44.0	1.607	2.394	18.9	20.9
6 30	20 48.06	+ 2 1.8	1.540	2.403	16.0	20.7
7 10	20 42.65	+ 1 55.4	1.489	2.414	12.8	20.5
7 20	20 35.55	+ 1 23.2	1.460	2.424	9.8	20.4
7 30	20 27.64	+ 0 26.5	1.453	2.435	7.8	20.3
8 9	20 19.97	− 0 49.8	1.471	2.447	8.3	20.4
8 19	20 13.53	− 2 18.9	1.513	2.458	10.7	20.5
8 29	20 9.14	− 3 52.7	1.578	2.471	13.7	20.7

116106 2003 WC_{134} 7 27.9 182°.13 4°.3/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 58.64	−25 44.8	1.594	2.449	16.0	19.7
6 30	20 54.30	−26 46.9	1.523	2.449	12.5	19.5
7 10	20 47.09	−27 53.7	1.473	2.449	8.5	19.3
7 20	20 37.65	−28 58.0	1.447	2.449	5.0	19.1
7 30	20 27.06	−29 51.9	1.446	2.449	4.8	19.1
8 9	20 16.71	−30 29.7	1.471	2.449	8.1	19.3
8 19	20 7.92	−30 48.8	1.520	2.448	12.0	19.5
8 29	20 1.72	−30 50.0	1.591	2.447	15.6	19.7

31945 2000 GQ_{108} 7 27.9 120°.58 0°.1/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.23	−15 37.4	1.389	2.239	18.2	18.0
6 30	20 53.30	−16 17.6	1.321	2.244	14.2	17.8
7 10	20 46.47	−17 12.4	1.272	2.249	9.5	17.5
7 20	20 37.38	−18 16.9	1.246	2.254	4.3	17.2
7 30	20 27.16	−19 24.4	1.245	2.259	1.2	17.0
8 9	20 17.23	−20 27.5	1.269	2.264	6.5	17.4
8 19	20 8.90	−21 20.7	1.317	2.269	11.5	17.7
8 29	20 3.22	−22 1.0	1.387	2.273	15.7	18.0

390980 2005 SX_{7} 7 27.9 327°.62 6°.8/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.71	−34 11.1	1.815	2.669	14.4	20.1
6 30	20 51.97	−35 13.4	1.739	2.658	11.6	19.9
7 10	20 45.52	−36 13.0	1.685	2.648	8.9	19.7
7 20	20 36.95	−37 2.7	1.654	2.638	7.0	19.6
7 30	20 27.28	−37 35.3	1.648	2.628	7.3	19.6
8 9	20 17.80	−37 46.6	1.666	2.619	9.6	19.7
8 19	20 9.76	−37 35.9	1.708	2.610	12.5	19.9
8 29	20 4.15	−37 5.4	1.771	2.602	15.4	20.1

441336 2008 CM_{130} 7 27.9 21°.10 1°.5/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.95	−22 47.5	1.864	2.711	14.4	20.5
6 30	20 51.55	−22 51.7	1.792	2.714	11.1	20.3
7 10	20 44.88	−22 58.8	1.741	2.718	7.4	20.1
7 20	20 36.53	−23 5.7	1.715	2.723	3.4	19.9
7 30	20 27.43	−23 8.8	1.715	2.727	1.9	19.8
8 9	20 18.65	−23 5.6	1.742	2.733	5.6	20.0
8 19	20 11.16	−22 55.2	1.794	2.738	9.5	20.3
8 29	20 5.75	−22 37.5	1.870	2.744	12.8	20.5

60189 1999 VM_{27} 7 27.9 27°.76 7°.3/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.34	+ 0 47.4	1.994	2.768	16.1	18.1
6 30	20 47.75	+ 1 32.1	1.920	2.774	13.7	17.9
7 10	20 42.26	+ 1 59.1	1.864	2.780	11.1	17.8
7 20	20 35.35	+ 2 6.7	1.830	2.787	8.7	17.6
7 30	20 27.75	+ 1 54.3	1.820	2.794	7.3	17.6
8 9	20 20.33	+ 1 24.1	1.836	2.801	7.8	17.6
8 19	20 13.90	+ 0 39.8	1.876	2.809	9.8	17.7
8 29	20 9.16	− 0 13.4	1.939	2.817	12.3	17.9

125333 2001 VN_{48} 7 27.9 176°.02 2°.9/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.69	− 9 40.1	2.204	3.006	13.9	20.1
6 30	20 51.74	− 9 31.9	2.119	3.008	11.2	19.9
7 10	20 44.85	− 9 34.8	2.055	3.010	8.0	19.7
7 20	20 36.50	− 9 47.9	2.016	3.011	4.8	19.5
7 30	20 27.44	−10 9.5	2.005	3.012	2.9	19.4
8 9	20 18.51	−10 37.0	2.021	3.012	5.0	19.5
8 19	20 10.56	−11 7.3	2.065	3.012	8.3	19.7
8 29	20 4.30	−11 37.5	2.134	3.011	11.4	19.9

273799 2007 FW_{21} 7 27.9 24°.47 6°.0/25.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.27	−30 11.2	1.288	2.161	18.0	19.9
6 30	20 53.67	−30 55.4	1.235	2.169	14.1	19.6
7 10	20 46.80	−31 37.9	1.202	2.178	10.0	19.4
7 20	20 37.51	−32 10.7	1.190	2.188	6.7	19.3
7 30	20 27.19	−32 26.6	1.201	2.199	6.5	19.3
8 9	20 17.49	−32 21.6	1.235	2.211	9.5	19.5
8 19	20 9.84	−31 56.5	1.292	2.223	13.4	19.8
8 29	20 5.20	−31 14.5	1.368	2.237	16.9	20.0

253858 2003 YS_{181} 7 27.9 71°.42 1°.8/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.48	−20 32.8	1.442	2.297	17.4	20.6
6 30	20 54.00	−21 12.2	1.388	2.315	13.4	20.4
7 10	20 46.72	−21 59.4	1.354	2.334	8.8	20.2
7 20	20 37.40	−22 48.7	1.343	2.352	4.0	20.0
7 30	20 27.22	−23 33.4	1.358	2.370	2.4	19.9
8 9	20 17.56	−24 8.4	1.398	2.389	6.7	20.2
8 19	20 9.62	−24 30.8	1.462	2.407	11.1	20.5
8 29	20 4.28	−24 40.5	1.548	2.425	14.9	20.8

210873 2001 RN_{138} 7 27.9 293°.32 0°.6/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.83	−15 35.7	1.975	2.809	14.1	20.6
6 30	20 49.17	−15 53.6	1.884	2.798	11.1	20.4
7 10	20 43.38	−16 21.3	1.815	2.788	7.5	20.2
7 20	20 35.93	−16 56.4	1.770	2.777	3.5	19.9
7 30	20 27.58	−17 35.2	1.751	2.766	0.9	19.7
8 9	20 19.30	−18 13.7	1.760	2.755	5.0	20.0
8 19	20 12.02	−18 48.5	1.795	2.745	9.0	20.2
8 29	20 6.57	−19 17.0	1.853	2.735	12.6	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
245328 2005 EQ_{107}			7 27.9	79°.73	3°.6/29.9	17
	h m	° ′			°	m
6 20	20 55.32	− 8 37.4	1.914	2.724	15.4	20.1
6 30	20 50.80	− 8 21.9	1.848	2.741	12.4	20.0
7 10	20 44.24	− 8 19.4	1.802	2.757	9.0	19.8
7 20	20 36.21	− 8 29.3	1.779	2.773	5.5	19.6
7 30	20 27.54	− 8 50.0	1.783	2.789	3.6	19.5
8 9	20 19.17	− 9 18.1	1.814	2.805	5.5	19.7
8 19	20 11.97	− 9 50.3	1.871	2.820	8.8	19.9
8 29	20 6.63	−10 23.1	1.952	2.836	11.9	20.1
291613 2006 GX_{46}			7 27.9	174°.05	3°.8/26.0	17
6 20	21 0.62	−25 10.3	1.529	2.382	16.6	20.9
6 30	20 55.91	−25 59.8	1.458	2.384	13.0	20.7
7 10	20 48.21	−26 53.9	1.408	2.385	8.8	20.4
7 20	20 38.18	−27 45.7	1.382	2.386	4.9	20.2
7 30	20 26.98	−28 27.8	1.381	2.386	4.3	20.2
8 9	20 16.10	−28 54.7	1.405	2.387	8.0	20.4
8 19	20 6.87	−29 4.3	1.454	2.386	12.1	20.6
8 29	20 0.38	−28 57.7	1.524	2.386	15.9	20.9
361160 2006 JP_{62}			7 27.9	45°.34	4°.3/30.1	17
6 20	20 54.19	− 7 43.8	1.242	2.083	20.4	20.6
6 30	20 51.09	− 7 44.9	1.178	2.089	16.5	20.3
7 10	20 45.06	− 8 7.7	1.131	2.096	12.0	20.1
7 20	20 36.77	− 8 51.6	1.105	2.103	7.2	19.9
7 30	20 27.37	− 9 52.2	1.101	2.110	4.3	19.7
8 9	20 18.29	−11 2.7	1.122	2.117	7.1	19.9
8 19	20 10.86	−12 15.3	1.165	2.125	11.7	20.2
8 29	20 6.12	−13 23.2	1.229	2.133	16.0	20.5
516951 2012 BG_{157}			7 27.9	232°.18	3°.3/25.7	18
6 20	20 57.15	−29 18.9	2.679	3.510	10.9	22.2
6 30	20 51.97	−29 42.6	2.589	3.501	8.6	22.0
7 10	20 44.94	−30 5.3	2.523	3.491	6.0	21.8
7 20	20 36.54	−30 23.2	2.484	3.482	3.8	21.6
7 30	20 27.44	−30 33.0	2.473	3.472	3.6	21.6
8 9	20 18.50	−30 32.3	2.491	3.462	5.7	21.7
8 19	20 10.48	−30 20.7	2.535	3.451	8.3	21.9
8 29	20 4.08	−29 58.7	2.604	3.441	10.8	22.0
98212 2000 SC_{138}			7 27.9	165°.65	0°.2/27.9	18
6 20	21 0.55	−17 46.4	1.653	2.489	16.4	19.7
6 30	20 55.42	−17 49.2	1.577	2.493	12.8	19.4
7 10	20 47.64	−18 0.0	1.522	2.496	8.6	19.2
7 20	20 37.85	−18 15.8	1.491	2.498	3.9	18.9
7 30	20 27.09	−18 32.7	1.486	2.500	1.0	18.7
8 9	20 16.62	−18 47.2	1.508	2.502	5.8	19.0
8 19	20 7.61	−18 56.8	1.555	2.503	10.3	19.3
8 29	20 1.00	−19 0.3	1.625	2.504	14.2	19.6
99139 2001 FX_{103}			7 27.9	54°.96	2°.5/26.9	17
6 20	21 0.63	−25 8.4	1.605	2.455	16.1	18.8
6 30	20 55.32	−25 14.5	1.551	2.475	12.4	18.7
7 10	20 47.38	−25 21.7	1.518	2.495	8.3	18.5
7 20	20 37.62	−25 25.6	1.509	2.515	4.1	18.3
7 30	20 27.19	−25 22.3	1.526	2.536	2.9	18.2
8 9	20 17.39	−25 9.5	1.569	2.557	6.5	18.5
8 19	20 9.29	−24 47.3	1.637	2.578	10.4	18.8
8 29	20 3.69	−24 17.1	1.728	2.599	13.8	19.1
483251 2015 SR_{7}			7 27.9	284°.86	1°.0/27.5	17
6 20	21 0.55	−23 37.6	2.357	3.183	12.4	20.5
6 30	20 54.77	−23 16.1	2.256	3.166	9.7	20.3
7 10	20 46.90	−22 54.4	2.177	3.149	6.5	20.1
7 20	20 37.47	−22 30.3	2.125	3.133	3.0	19.8
7 30	20 27.24	−22 1.7	2.102	3.116	1.4	19.7
8 9	20 17.15	−21 27.9	2.109	3.099	4.9	19.9
8 19	20 8.10	−20 48.8	2.143	3.082	8.4	20.1
8 29	20 0.86	−20 5.5	2.203	3.065	11.6	20.3
327214 2005 ON_{2}			7 27.9	353°.01	7°.5/24.3	17
6 20	20 48.98	−28 59.5	1.029	1.927	19.5	19.6
6 30	20 48.18	−30 17.6	0.970	1.918	15.4	19.3
7 10	20 43.77	−31 39.4	0.928	1.911	11.2	19.0
7 20	20 36.41	−32 54.1	0.906	1.906	7.9	18.8
7 30	20 27.51	−33 49.8	0.904	1.902	8.2	18.8
8 9	20 18.97	−34 18.3	0.923	1.900	11.8	19.0
8 19	20 12.53	−34 17.4	0.961	1.900	16.1	19.3
8 29	20 9.51	−33 49.9	1.017	1.901	20.2	19.5
17246 Christophedumas			7 27.9	39°.58	1°.4/27.1	18
6 20	20 54.90	−21 0.3	1.943	2.787	14.0	18.4
6 30	20 50.74	−21 26.7	1.867	2.788	10.8	18.2
7 10	20 44.39	−21 58.8	1.813	2.790	7.2	17.9
7 20	20 36.37	−22 32.8	1.783	2.791	3.3	17.7
7 30	20 27.56	−23 4.3	1.780	2.793	1.9	17.6
8 9	20 18.95	−23 29.4	1.804	2.795	5.6	17.9
8 19	20 11.51	−23 46.0	1.854	2.796	9.3	18.1
8 29	20 6.03	−23 53.1	1.928	2.798	12.7	18.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
104434 2000 FT_{66}			7 27.9	31°.84	4°.2/26.3	17
	h m	° ′			°	m
6 20	20 59.31	−27 12.1	1.370	2.234	17.6	19.7
6 30	20 55.05	−27 37.3	1.309	2.240	13.7	19.4
7 10	20 47.66	−28 3.3	1.268	2.246	9.4	19.2
7 20	20 37.92	−28 23.7	1.248	2.253	5.3	19.0
7 30	20 27.16	−28 32.4	1.254	2.260	4.6	19.0
8 9	20 16.92	−28 25.6	1.283	2.267	8.2	19.2
8 19	20 8.59	−28 3.4	1.336	2.275	12.4	19.5
8 29	20 3.17	−27 28.0	1.409	2.283	16.2	19.7
381707 2009 PL_{4}			7 27.9	297°.35	0°.9/28.3	18
6 20	20 56.11	−16 44.8	1.487	2.336	17.2	21.3
6 30	20 52.64	−16 37.7	1.390	2.312	13.7	21.0
7 10	20 46.27	−16 40.0	1.312	2.288	9.4	20.7
7 20	20 37.47	−16 49.7	1.256	2.264	4.5	20.4
7 30	20 27.21	−17 3.6	1.225	2.240	1.3	20.1
8 9	20 16.86	−17 17.8	1.219	2.216	6.5	20.4
8 19	20 7.79	−17 29.1	1.237	2.192	11.7	20.6
8 29	20 1.27	−17 35.1	1.276	2.169	16.3	20.8
119533 2001 VV_{9}			7 27.9	23°.37	6°.0/24.8	18
6 20	20 56.30	−29 5.1	1.391	2.260	17.1	18.9
6 30	20 52.85	−30 12.9	1.332	2.264	13.4	18.7
7 10	20 46.30	−31 22.0	1.293	2.269	9.5	18.5
7 20	20 37.37	−32 23.8	1.277	2.275	6.5	18.3
7 30	20 27.30	−33 9.5	1.284	2.281	6.5	18.3
8 9	20 17.66	−33 33.8	1.316	2.287	9.6	18.5
8 19	20 9.84	−33 35.5	1.370	2.294	13.3	18.8
8 29	20 4.87	−33 17.0	1.444	2.302	16.8	19.0
98241 2000 SL_{158}			7 27.9	275°.81	2°.2/28.9	18
6 20	20 55.62	−12 25.0	1.503	2.341	17.6	20.1
6 30	20 52.14	−12 30.6	1.410	2.324	14.1	19.8
7 10	20 45.86	−12 51.3	1.336	2.306	9.9	19.5
7 20	20 37.27	−13 25.5	1.284	2.288	5.2	19.2
7 30	20 27.30	−14 9.9	1.256	2.270	2.2	18.9
8 9	20 17.26	−14 59.1	1.254	2.251	6.4	19.1
8 19	20 8.48	−15 47.8	1.277	2.232	11.3	19.4
8 29	20 2.12	−16 31.4	1.321	2.214	15.9	19.6
71777 2000 SM_{128}			7 27.9	127°.35	1°.7/28.9	17
6 20	20 57.15	−12 4.1	1.580	2.411	17.2	19.4
6 30	20 52.84	−12 28.6	1.510	2.420	13.6	19.2
7 10	20 45.97	−13 8.2	1.459	2.428	9.4	19.0
7 20	20 37.15	−14 0.2	1.432	2.436	4.7	18.7
7 30	20 27.38	−14 59.5	1.430	2.443	1.8	18.5
8 9	20 17.87	−16 0.2	1.455	2.451	5.7	18.8
8 19	20 9.77	−16 56.9	1.505	2.458	10.2	19.1
8 29	20 3.98	−17 45.8	1.578	2.464	14.1	19.4
95161 2002 AS_{178}			7 27.9	1°.91	4°.4/26.7	18
6 20	20 59.42	−29 14.1	1.314	2.181	18.0	18.1
6 30	20 55.34	−29 13.9	1.248	2.180	14.1	17.9
7 10	20 47.96	−29 10.7	1.201	2.179	9.8	17.6
7 20	20 38.11	−28 58.7	1.176	2.179	5.7	17.4
7 30	20 27.16	−28 33.1	1.174	2.181	4.8	17.4
8 9	20 16.78	−27 51.9	1.197	2.183	8.4	17.6
8 19	20 8.41	−26 56.9	1.243	2.186	12.7	17.8
8 29	20 3.09	−25 51.8	1.309	2.191	16.7	18.1
435756 2008 UH_{192}			7 27.9	314°.23	1°.6/27.1	18
6 20	20 52.60	−19 53.3	1.507	2.368	16.4	20.5
6 30	20 49.87	−20 28.1	1.416	2.347	12.9	20.3
7 10	20 44.38	−21 13.2	1.346	2.327	8.7	20.0
7 20	20 36.61	−22 4.4	1.298	2.307	4.0	19.6
7 30	20 27.51	−22 55.4	1.274	2.287	2.2	19.5
8 9	20 18.36	−23 39.8	1.276	2.269	6.9	19.7
8 19	20 10.52	−24 13.2	1.301	2.250	11.8	19.9
8 29	20 5.12	−24 33.1	1.347	2.233	16.1	20.2
15477 1999 CG_{1}			7 27.9	174°.82	0°.3/27.7	18
6 20	20 53.83	−17 9.2	2.169	3.000	13.2	18.2
6 30	20 49.69	−17 42.9	2.087	3.001	10.2	18.0
7 10	20 43.60	−18 24.9	2.028	3.002	6.8	17.8
7 20	20 36.03	−19 12.1	1.994	3.002	3.0	17.6
7 30	20 27.71	−20 0.4	1.988	3.003	0.9	17.4
8 9	20 19.52	−20 45.6	2.010	3.003	4.8	17.7
8 19	20 12.30	−21 24.5	2.059	3.003	8.4	17.9
8 29	20 6.79	−21 55.2	2.132	3.003	11.6	18.1
295724 2008 UD_{53}			7 27.9	21°.76	2°.8/26.4	18
6 20	20 55.28	−23 25.4	1.633	2.490	15.6	20.4
6 30	20 51.50	−24 6.7	1.564	2.492	12.1	20.2
7 10	20 45.14	−24 53.4	1.516	2.495	8.1	20.0
7 20	20 36.80	−25 39.9	1.491	2.498	4.1	19.7
7 30	20 27.50	−26 20.1	1.492	2.501	3.3	19.7
8 9	20 18.49	−26 49.2	1.519	2.505	6.9	19.9
8 19	20 10.90	−27 4.7	1.570	2.509	10.9	20.2
8 29	20 5.66	−27 6.6	1.642	2.513	14.5	20.4

159615 2002 AA_{57} 7 27.9 135°.09 0°.1/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 55.85	−16 14.3	1.882	2.715	14.8	20.5
6 30	20 51.49	−16 42.2	1.807	2.721	11.5	20.3
7 10	20 44.90	−17 20.0	1.753	2.727	7.7	20.0
7 20	20 36.64	−18 4.2	1.725	2.732	3.5	19.8
7 30	20 27.55	−18 50.4	1.723	2.737	0.9	19.6
8 9	20 18.68	−19 34.0	1.748	2.742	5.2	19.9
8 19	20 10.98	−20 11.6	1.800	2.747	9.2	20.2
8 29	20 5.28	−20 40.9	1.875	2.751	12.7	20.4

507241 2011 BS_{26} 7 27.9 240°.42 0°.3/27.7 18

6 20	20 57.21	−17 18.8	1.831	2.666	15.1	22.1
6 30	20 52.86	−17 47.2	1.738	2.654	11.8	21.8
7 10	20 46.04	−18 25.6	1.667	2.641	7.9	21.6
7 20	20 37.26	−19 10.6	1.620	2.628	3.6	21.3
7 30	20 27.36	−19 57.5	1.600	2.614	1.1	21.1
8 9	20 17.48	−20 41.2	1.607	2.600	5.7	21.4
8 19	20 8.72	−21 17.9	1.639	2.585	10.0	21.6
8 29	20 2.07	−21 45.2	1.696	2.570	13.9	21.8

14509 Lučenec 7 27.9 189°.90 1°.3/28.6 18

6 20	20 57.11	−14 37.6	1.727	2.559	15.9	19.2
6 30	20 52.69	−14 40.2	1.647	2.559	12.6	19.0
7 10	20 45.83	−14 53.2	1.588	2.559	8.6	18.7
7 20	20 37.10	−15 14.7	1.552	2.558	4.2	18.5
7 30	20 27.43	−15 41.3	1.543	2.557	1.5	18.3
8 9	20 17.95	−16 9.0	1.560	2.556	5.5	18.5
8 19	20 9.73	−16 34.6	1.603	2.554	9.8	18.8
8 29	20 3.69	−16 55.6	1.669	2.553	13.6	19.0

191134 2002 GH_{33} 7 27.9 137°.03 6°.5/24.5 18

6 20	21 3.46	−35 37.9	1.963	2.800	14.2	20.6
6 30	20 57.57	−36 26.6	1.900	2.807	11.4	20.4
7 10	20 49.01	−37 9.7	1.858	2.814	8.7	20.3
7 20	20 38.48	−37 40.5	1.841	2.820	6.8	20.2
7 30	20 27.09	−37 53.2	1.850	2.827	6.9	20.2
8 9	20 16.16	−37 45.2	1.884	2.833	8.9	20.3
8 19	20 6.83	−37 17.3	1.944	2.839	11.6	20.5
8 29	20 0.01	−36 32.9	2.026	2.844	14.2	20.7

47038 Majoni 7 27.9 223°.89 4°.3/31.0 18

6 20	20 53.81	− 3 46.2	2.606	3.378	12.8	20.1
6 30	20 49.35	− 3 34.8	2.504	3.367	10.6	19.9
7 10	20 43.24	− 3 36.1	2.423	3.355	8.1	19.7
7 20	20 35.86	− 3 50.2	2.366	3.343	5.7	19.5
7 30	20 27.77	− 4 16.5	2.337	3.330	4.4	19.4
8 9	20 19.70	− 4 52.9	2.336	3.316	5.3	19.5
8 19	20 12.32	− 5 36.4	2.363	3.302	7.7	19.6
8 29	20 6.29	− 6 23.5	2.415	3.288	10.4	19.8

167885 2005 EA_{47} 7 27.9 215°.98 2°.5/29.5 18

6 20	20 53.37	−10 7.2	2.011	2.827	14.6	20.3
6 30	20 49.45	−10 15.2	1.926	2.825	11.7	20.1
7 10	20 43.51	−10 36.0	1.862	2.823	8.3	19.9
7 20	20 36.02	−11 8.5	1.823	2.822	4.7	19.7
7 30	20 27.73	−11 49.9	1.810	2.820	2.6	19.5
8 9	20 19.56	−12 36.3	1.824	2.818	5.0	19.7
8 19	20 12.39	−13 23.7	1.864	2.816	8.6	19.9
8 29	20 6.97	−14 8.6	1.929	2.813	12.0	20.1

436466 2011 DZ_{14} 7 27.9 170°.02 0°.8/28.4 17

6 20	20 57.52	−14 57.9	1.991	2.814	14.5	22.9
6 30	20 52.66	−15 13.3	1.910	2.818	11.3	22.7
7 10	20 45.64	−15 38.3	1.851	2.821	7.7	22.4
7 20	20 36.97	−16 10.3	1.817	2.823	3.7	22.2
7 30	20 27.49	−16 45.9	1.810	2.825	1.1	22.0
8 9	20 18.18	−17 21.1	1.832	2.826	5.0	22.3
8 19	20 10.00	−17 52.9	1.880	2.827	8.9	22.5
8 29	20 3.74	−18 18.8	1.952	2.827	12.3	22.7

336752 2010 HQ_{61} 7 27.9 224°.12 4°.5/30.6 17

6 20	20 54.77	− 5 33.0	2.067	2.860	15.0	21.8
6 30	20 50.52	− 5 19.3	1.974	2.853	12.3	21.6
7 10	20 44.24	− 5 20.1	1.901	2.845	9.3	21.4
7 20	20 36.37	− 5 35.7	1.852	2.837	6.3	21.2
7 30	20 27.65	− 6 4.8	1.830	2.829	4.5	21.1
8 9	20 18.98	− 6 44.7	1.834	2.820	5.9	21.1
8 19	20 11.24	− 7 31.5	1.865	2.811	9.0	21.3
8 29	20 5.23	− 8 21.0	1.920	2.802	12.2	21.5

249336 2008 VQ_2 7 27.9 205°.68 6°.2/31.6 18

6 20	20 55.80	− 0 31.6	2.393	3.150	14.2	20.8
6 30	20 50.99	+ 0 11.8	2.299	3.145	12.0	20.6
7 10	20 44.37	+ 0 41.5	2.225	3.140	9.7	20.5
7 20	20 36.38	+ 0 56.1	2.176	3.134	7.4	20.3
7 30	20 27.66	+ 0 54.7	2.152	3.127	6.2	20.2
8 9	20 18.99	+ 0 38.6	2.156	3.121	6.9	20.3
8 19	20 11.14	+ 0 10.3	2.186	3.113	8.9	20.4
8 29	20 4.79	− 0 26.5	2.241	3.105	11.4	20.5

476822 2008 UG_{245} 7 27.9 196°.88 4°.3/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 55.99	− 5 38.5	2.471	3.250	13.2	21.8
6 30	20 51.05	− 5 12.7	2.377	3.247	10.9	21.6
7 10	20 44.36	− 4 58.1	2.305	3.243	8.2	21.4
7 20	20 36.36	− 4 55.1	2.259	3.239	5.6	21.3
7 30	20 27.67	− 5 3.3	2.239	3.235	4.3	21.2
8 9	20 19.07	− 5 20.9	2.248	3.229	5.4	21.2
8 19	20 11.28	− 5 45.6	2.284	3.223	8.0	21.4
8 29	20 4.97	− 6 14.3	2.346	3.217	10.7	21.6

106944 2000 YA_{73} 7 27.9 222°.31 1°.9/26.5 18

6 20	20 53.80	−22 46.0	2.586	3.419	11.2	20.1
6 30	20 49.47	−23 25.6	2.497	3.413	8.7	19.9
7 10	20 43.37	−24 9.2	2.432	3.406	5.8	19.8
7 20	20 35.93	−24 53.3	2.393	3.399	2.9	19.5
7 30	20 27.79	−25 34.0	2.383	3.392	2.2	19.5
8 9	20 19.73	−26 8.0	2.401	3.384	4.9	19.7
8 19	20 12.48	−26 33.1	2.446	3.376	7.9	19.8
8 29	20 6.73	−26 48.5	2.516	3.368	10.7	20.0

187424 2005 VL_{119} 7 27.9 327°.11 13°.5/17.9 18

6 20	20 53.42	−40 23.4	1.219	2.095	18.5	18.8
6 30	20 52.22	−42 51.3	1.152	2.073	16.0	18.6
7 10	20 47.01	−45 15.9	1.104	2.051	14.1	18.4
7 20	20 38.19	−47 21.6	1.077	2.031	13.5	18.3
7 30	20 27.11	−48 52.6	1.070	2.012	14.8	18.3
8 9	20 15.95	−49 39.2	1.082	1.993	17.4	18.4
8 19	20 7.00	−49 39.8	1.111	1.976	20.4	18.5
8 29	20 2.04	−49 0.0	1.155	1.961	23.3	18.7

357792 2005 TX_{24} 7 27.9 137°.74 1°.7/26.7 18

6 20	20 54.55	−22 51.8	2.558	3.391	11.4	21.7
6 30	20 49.93	−23 22.5	2.483	3.398	8.8	21.5
7 10	20 43.59	−23 56.2	2.431	3.405	5.8	21.4
7 20	20 35.99	−24 29.7	2.405	3.411	2.8	21.2
7 30	20 27.80	−24 59.6	2.408	3.418	2.0	21.1
8 9	20 19.79	−25 22.9	2.439	3.424	4.8	21.3
8 19	20 12.69	−25 38.1	2.497	3.430	7.7	21.5
8 29	20 7.11	−25 44.7	2.580	3.435	10.4	21.7

437053 2012 UT_{35} 7 27.9 329°.82 1°.2/28.5 18

6 20	20 51.21	−15 25.8	1.401	2.260	17.6	20.7
6 30	20 48.83	−15 25.3	1.315	2.243	13.9	20.4
7 10	20 43.70	−15 36.8	1.248	2.226	9.6	20.1
7 20	20 36.32	−15 58.4	1.202	2.210	4.7	19.8
7 30	20 27.67	−16 26.6	1.181	2.195	1.5	19.6
8 9	20 19.07	−16 56.6	1.183	2.181	6.3	19.8
8 19	20 11.82	−17 24.1	1.208	2.168	11.4	20.1
8 29	20 7.04	−17 45.7	1.254	2.156	15.9	20.3

32322 2000 QS_{57} 7 27.9 128°.76 2°.5/26.6 18

6 20	20 58.80	−23 40.7	1.818	2.662	14.8	19.0
6 30	20 53.92	−24 13.2	1.748	2.669	11.4	18.8
7 10	20 46.59	−24 49.5	1.700	2.676	7.7	18.6
7 20	20 37.44	−25 24.8	1.676	2.682	3.8	18.4
7 30	20 27.42	−25 53.9	1.679	2.688	2.9	18.4
8 9	20 17.72	−26 13.0	1.709	2.694	6.4	18.6
8 19	20 9.39	−26 20.3	1.764	2.700	10.1	18.8
8 29	20 3.30	−26 16.1	1.843	2.705	13.5	19.1

507436 2012 SW_1 7 27.9 246°.70 6°.9/23.9 18

6 20	21 2.21	−36 46.0	2.065	2.899	13.6	22.0
6 30	20 56.79	−37 38.6	1.984	2.889	11.1	21.8
7 10	20 48.67	−38 26.3	1.925	2.877	8.7	21.6
7 20	20 38.44	−39 2.0	1.891	2.866	7.1	21.5
7 30	20 27.15	−39 19.4	1.883	2.854	7.3	21.5
8 9	20 16.07	−39 15.2	1.900	2.842	9.3	21.6
8 19	20 6.43	−38 49.5	1.942	2.830	11.9	21.7
8 29	19 59.22	−38 5.2	2.006	2.817	14.5	21.9

201773 2003 WO_{85} 7 27.9 162°.19 3°.2/29.9 18

6 20	20 55.72	− 8 59.0	2.345	3.143	13.3	20.8
6 30	20 50.88	− 8 43.3	2.262	3.147	10.7	20.6
7 10	20 44.26	− 8 38.0	2.200	3.151	7.8	20.5
7 20	20 36.32	− 8 42.6	2.163	3.155	4.8	20.3
7 30	20 27.74	− 8 55.9	2.154	3.159	3.2	20.2
8 9	20 19.31	− 9 15.7	2.172	3.161	4.9	20.3
8 19	20 11.79	− 9 39.4	2.219	3.164	7.8	20.5
8 29	20 5.84	−10 4.4	2.290	3.166	10.7	20.7

2940 Bacon 7 27.9 299°.71 2°.3/28.9 18

6 20	20 54.72	−13 32.0	1.842	2.672	15.2	18.5
6 30	20 50.95	−13 14.0	1.738	2.647	12.2	18.2
7 10	20 44.82	−13 5.2	1.655	2.623	8.6	18.0
7 20	20 36.78	−13 4.9	1.595	2.598	4.6	17.7
7 30	20 27.61	−13 11.5	1.562	2.574	2.3	17.5
8 9	20 18.37	−13 22.6	1.554	2.549	5.6	17.6
8 19	20 10.13	−13 35.4	1.573	2.525	9.8	17.8
8 29	20 3.87	−13 47.5	1.614	2.501	13.8	18.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
387899 2004 VB_{59}			7 27.9 298°.17		1°.9/28.8 18	
	h m	° ′			°	m
6 20	20 54.37	−13 42.1	1.661	2.498	16.2	21.0
6 30	20 50.97	−13 36.7	1.560	2.474	13.0	20.7
7 10	20 45.01	−13 42.8	1.479	2.449	9.1	20.4
7 20	20 36.92	−13 59.2	1.420	2.425	4.8	20.1
7 30	20 27.56	−14 23.4	1.387	2.400	2.0	19.9
8 9	20 18.10	−14 51.6	1.380	2.376	5.9	20.0
8 19	20 9.72	−15 20.0	1.397	2.352	10.6	20.3
8 29	20 3.53	−15 45.3	1.436	2.328	14.9	20.5
156361 2001 XU_{217}			7 27.9 198°.86		0°.2/28.1 18	
6 20	20 56.39	−16 45.2	1.874	2.708	14.8	20.5
6 30	20 52.01	−17 1.5	1.793	2.707	11.6	20.2
7 10	20 45.34	−17 26.7	1.732	2.705	7.8	20.0
7 20	20 36.92	−17 57.9	1.696	2.704	3.6	19.7
7 30	20 27.61	−18 31.3	1.687	2.702	0.9	19.5
8 9	20 18.46	−19 2.8	1.705	2.699	5.3	19.8
8 19	20 10.47	−19 29.3	1.749	2.697	9.4	20.1
8 29	20 4.51	−19 48.9	1.816	2.694	13.0	20.3
232210 2002 GP_{144}			7 27.9 158°.52		3°.2/30.5 18	
6 20	20 54.88	− 5 51.0	2.403	3.187	13.4	21.2
6 30	20 50.22	− 6 13.0	2.319	3.195	10.9	21.0
7 10	20 43.83	− 6 49.1	2.256	3.202	8.0	20.9
7 20	20 36.15	− 7 38.2	2.219	3.208	5.0	20.7
7 30	20 27.82	− 8 37.5	2.210	3.214	3.2	20.6
8 9	20 19.62	− 9 43.2	2.230	3.219	4.7	20.7
8 19	20 12.26	−10 51.1	2.277	3.224	7.6	20.9
8 29	20 6.40	−11 57.0	2.351	3.228	10.5	21.1
289095 2004 TF_{279}			7 27.9 231°.20		2°.1/26.3 18	
6 20	20 53.48	−24 3.0	2.674	3.508	10.9	21.3
6 30	20 49.18	−24 40.0	2.585	3.501	8.4	21.2
7 10	20 43.17	−25 20.0	2.520	3.493	5.7	21.0
7 20	20 35.87	−25 59.4	2.481	3.486	2.9	20.8
7 30	20 27.90	−26 34.7	2.471	3.478	2.4	20.7
8 9	20 20.01	−27 2.9	2.489	3.471	4.9	20.9
8 19	20 12.91	−27 22.0	2.535	3.463	7.8	21.1
8 29	20 7.27	−27 31.4	2.605	3.454	10.4	21.2
38910 2000 SA_{178}			7 27.9 245°.55		4°.6/30.9 18	
6 20	20 52.70	− 4 50.2	2.366	3.152	13.6	19.1
6 30	20 48.64	− 4 26.8	2.274	3.146	11.2	19.0
7 10	20 42.84	− 4 15.9	2.202	3.140	8.6	18.8
7 20	20 35.74	− 4 17.8	2.154	3.134	6.0	18.6
7 30	20 27.94	− 4 32.2	2.133	3.127	4.6	18.5
8 9	20 20.20	− 4 57.1	2.139	3.121	5.6	18.6
8 19	20 13.27	− 5 29.7	2.172	3.114	8.1	18.7
8 29	20 7.81	− 6 6.6	2.230	3.108	10.9	18.9
33773 1999 RL_{145}			7 27.9 45°.94		0°.9/27.7 18	
6 20	21 2.62	−22 18.9	1.352	2.207	18.3	17.7
6 30	20 57.14	−21 57.4	1.305	2.231	14.1	17.5
7 10	20 48.73	−21 39.2	1.278	2.256	9.3	17.3
7 20	20 38.34	−21 21.2	1.273	2.282	4.2	17.1
7 30	20 27.31	−21 0.4	1.293	2.308	1.5	17.0
8 9	20 17.10	−20 35.2	1.339	2.334	6.4	17.4
8 19	20 8.89	−20 5.9	1.409	2.360	10.9	17.7
8 29	20 3.48	−19 33.1	1.502	2.387	14.7	18.0
474732 2005 NT_{1}			7 27.9 333°.00		1°.9/26.5 18	
6 20	20 50.53	−17 48.2	1.668	2.523	15.4	20.1
6 30	20 47.95	−19 10.1	1.584	2.512	12.0	19.8
7 10	20 42.94	−20 46.6	1.521	2.501	7.9	19.6
7 20	20 35.96	−22 31.8	1.483	2.492	3.7	19.3
7 30	20 27.85	−24 17.6	1.471	2.483	2.5	19.2
8 9	20 19.74	−25 55.4	1.485	2.474	6.7	19.4
8 19	20 12.76	−27 18.5	1.525	2.466	11.0	19.7
8 29	20 7.92	−28 23.3	1.587	2.459	14.8	19.9
399825 2005 TJ_{8}			7 27.9 343°.06		4°.5/31.0 18	
6 20	20 51.08	− 4 47.5	2.103	2.900	14.7	21.3
6 30	20 47.59	− 4 40.9	2.017	2.898	12.1	21.2
7 10	20 42.25	− 4 49.6	1.952	2.896	9.1	21.0
7 20	20 35.49	− 5 13.5	1.910	2.894	6.2	20.8
7 30	20 28.00	− 5 51.2	1.894	2.893	4.5	20.7
8 9	20 20.62	− 6 39.4	1.905	2.891	5.7	20.8
8 19	20 14.14	− 7 34.1	1.941	2.890	8.5	20.9
8 29	20 9.26	− 8 30.7	2.003	2.889	11.5	21.1
191679 2004 RV_{63}			7 27.9 335°.97		0°.7/27.6 17	
6 20	20 53.50	−19 1.4	1.418	2.280	17.2	20.5
6 30	20 50.56	−19 17.2	1.340	2.271	13.5	20.2
7 10	20 44.81	−19 42.5	1.282	2.262	9.0	19.9
7 20	20 36.82	−20 13.5	1.245	2.255	4.1	19.6
7 30	20 27.64	−20 44.9	1.233	2.247	1.5	19.4
8 9	20 18.64	−21 11.8	1.246	2.241	6.6	19.7
8 19	20 11.11	−21 30.4	1.281	2.235	11.4	20.0
8 29	20 6.13	−21 39.1	1.338	2.230	15.7	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
515105 2010 VD_{209}			7 27.9 230°.97		9°.4/19.4 18	
	h m	° ′			°	m
6 20	21 4.79	−50 45.1	2.703	3.492	12.0	22.2
6 30	20 58.75	−52 0.5	2.640	3.484	10.7	22.1
7 10	20 49.96	−53 4.2	2.598	3.476	9.8	22.0
7 20	20 39.05	−53 49.6	2.580	3.468	9.4	22.0
7 30	20 27.08	−54 11.2	2.585	3.460	9.9	22.0
8 9	20 15.38	−54 6.8	2.613	3.452	10.9	22.1
8 19	20 5.19	−53 37.5	2.664	3.443	12.2	22.1
8 29	19 57.49	−52 46.9	2.733	3.434	13.6	22.2
383092 2005 ST_{101}			7 27.9 247°.58		0°.9/28.4 18	
6 20	20 57.42	−15 38.8	1.887	2.716	14.9	21.9
6 30	20 52.92	−15 41.3	1.792	2.703	11.8	21.6
7 10	20 46.05	−15 52.8	1.719	2.690	8.1	21.4
7 20	20 37.31	−16 11.2	1.670	2.676	3.9	21.1
7 30	20 27.53	−16 33.5	1.647	2.662	1.2	20.9
8 9	20 17.78	−16 56.3	1.652	2.647	5.3	21.1
8 19	20 9.13	−17 16.5	1.683	2.632	9.6	21.4
8 29	20 2.51	−17 32.1	1.738	2.617	13.4	21.6
418983 2009 KS_{1}			7 27.9 47°.93		2°.3/26.9 17	
6 20	20 57.53	−21 3.7	1.175	2.046	19.5	20.7
6 30	20 53.86	−21 44.4	1.127	2.063	15.0	20.5
7 10	20 46.98	−22 33.8	1.098	2.081	9.9	20.2
7 20	20 37.73	−23 25.1	1.091	2.099	4.6	20.0
7 30	20 27.50	−24 10.3	1.106	2.119	2.9	20.0
8 9	20 17.92	−24 43.5	1.146	2.138	7.6	20.3
8 19	20 10.37	−25 1.9	1.208	2.158	12.4	20.6
8 29	20 5.81	−25 5.5	1.290	2.178	16.5	20.9
386769 2010 CB_{180}			7 27.9 247°.30		6°.4/23.5 18	
6 20	21 1.26	−34 21.5	2.153	2.988	13.1	21.0
6 30	20 56.10	−35 31.5	2.062	2.970	10.6	20.8
7 10	20 48.31	−36 40.0	1.995	2.951	8.2	20.6
7 20	20 38.40	−37 39.9	1.952	2.932	6.5	20.5
7 30	20 27.27	−38 24.3	1.937	2.911	6.9	20.5
8 9	20 16.13	−38 48.3	1.948	2.891	9.0	20.6
8 19	20 6.18	−38 50.7	1.983	2.869	11.8	20.7
8 29	19 58.48	−38 33.1	2.041	2.848	14.5	20.8
153276 2001 DC_{32}			7 27.9 134°.18		3°.6/25.5 18	
6 20	20 55.98	−29 15.9	2.439	3.277	11.7	19.9
6 30	20 51.25	−29 50.7	2.364	3.279	9.1	19.8
7 10	20 44.60	−30 24.8	2.313	3.282	6.4	19.6
7 20	20 36.53	−30 53.9	2.287	3.284	4.1	19.5
7 30	20 27.80	−31 14.2	2.289	3.286	4.0	19.4
8 9	20 19.29	−31 23.0	2.318	3.288	6.1	19.6
8 19	20 11.80	−31 19.4	2.374	3.290	8.8	19.8
8 29	20 6.04	−31 4.3	2.454	3.292	11.4	19.9
424480 2008 CW_{213}			7 27.9 67°.88		1°.9/27.2 17	
6 20	21 0.37	−22 31.4	1.453	2.307	17.3	20.5
6 30	20 55.58	−22 42.6	1.392	2.318	13.4	20.3
7 10	20 47.90	−22 58.3	1.351	2.330	8.9	20.1
7 20	20 38.11	−23 13.9	1.334	2.342	4.2	19.8
7 30	20 27.41	−23 24.5	1.341	2.354	2.3	19.8
8 9	20 17.23	−23 26.6	1.374	2.366	6.7	20.1
8 19	20 8.81	−23 19.0	1.431	2.378	11.1	20.4
8 29	20 3.07	−23 2.3	1.510	2.390	15.0	20.6
509382 2007 CO_{1}			7 27.9 126°.05		1°.3/27.1 18	
6 20	20 56.25	−22 38.6	2.644	3.471	11.2	22.2
6 30	20 51.12	−22 50.8	2.570	3.482	8.6	22.0
7 10	20 44.33	−23 5.2	2.520	3.493	5.7	21.9
7 20	20 36.36	−23 19.2	2.497	3.503	2.7	21.7
7 30	20 27.87	−23 30.1	2.502	3.514	1.6	21.6
8 9	20 19.61	−23 35.9	2.536	3.523	4.4	21.8
8 19	20 12.28	−23 35.4	2.597	3.533	7.3	22.0
8 29	20 6.46	−23 28.6	2.685	3.542	9.9	22.2
100774 1998 FV_{37}			7 27.9 57°.58		2°.6/29.3 18	
6 20	20 55.76	−10 55.1	1.294	2.139	19.5	19.5
6 30	20 52.15	−11 8.5	1.237	2.154	15.5	19.3
7 10	20 45.71	−11 40.1	1.199	2.169	10.8	19.1
7 20	20 37.16	−12 27.0	1.182	2.185	5.7	18.8
7 30	20 27.66	−13 24.1	1.189	2.202	2.6	18.7
8 9	20 18.62	−14 24.5	1.221	2.218	6.3	18.9
8 19	20 11.25	−15 22.2	1.276	2.234	11.0	19.3
8 29	20 6.51	−16 12.3	1.353	2.251	15.2	19.6
152293 2005 TJ_{28}			7 27.9 222°.96		6°.5/ 2.0 18	
6 20	20 51.78	+ 3 38.4	2.731	3.464	13.2	19.9
6 30	20 47.73	+ 4 8.1	2.634	3.456	11.4	19.8
7 10	20 42.16	+ 4 23.0	2.556	3.449	9.4	19.6
7 20	20 35.44	+ 4 21.5	2.502	3.441	7.6	19.5
7 30	20 28.09	+ 4 3.3	2.474	3.433	6.6	19.4
8 9	20 20.78	+ 3 29.9	2.471	3.424	6.8	19.4
8 19	20 14.12	+ 2 43.7	2.496	3.415	8.3	19.5
8 29	20 8.71	+ 1 48.8	2.545	3.406	10.3	19.6

404790 2014 JB_{54} 7 27.9 241.°50 4.°5/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 50.95	− 2 21.9	2.320	3.099	14.0	21.3
6 30	20 47.35	− 2 32.4	2.229	3.096	11.6	21.1
7 10	20 42.03	− 2 59.2	2.159	3.093	8.9	20.9
7 20	20 35.41	− 3 42.4	2.112	3.090	6.2	20.8
7 30	20 28.10	− 4 40.0	2.092	3.087	4.6	20.6
8 9	20 20.86	− 5 48.5	2.100	3.084	5.5	20.7
8 19	20 14.41	− 7 3.2	2.134	3.081	8.0	20.9
8 29	20 9.41	− 8 19.4	2.194	3.077	10.8	21.0

138949 2001 BS_{58} 7 27.9 189.°80 0.°7/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.60	−14 39.5	1.777	2.607	15.7	20.6
6 30	20 53.11	−15 5.6	1.695	2.607	12.3	20.4
7 10	20 46.19	−15 43.6	1.634	2.605	8.4	20.1
7 20	20 37.39	−16 30.5	1.598	2.604	4.0	19.9
7 30	20 27.59	−17 21.7	1.587	2.602	1.0	19.6
8 9	20 17.93	−18 12.1	1.604	2.599	5.5	19.9
8 19	20 9.48	−18 57.3	1.647	2.596	9.8	20.2
8 29	20 3.16	−19 34.5	1.714	2.593	13.6	20.4

358384 2006 YT_{29} 7 27.9 233.°33 1.°0/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.05	−21 1.1	2.456	3.286	11.8	21.8
6 30	20 50.51	−21 18.2	2.365	3.279	9.2	21.6
7 10	20 44.12	−21 39.4	2.297	3.271	6.1	21.4
7 20	20 36.36	−22 2.0	2.256	3.263	2.8	21.1
7 30	20 27.88	−22 22.7	2.242	3.255	1.4	21.0
8 9	20 19.49	−22 39.0	2.256	3.246	4.6	21.2
8 19	20 11.99	−22 49.0	2.298	3.238	7.9	21.4
8 29	20 6.06	−22 51.9	2.365	3.229	10.9	21.6

86586 2000 EQ_{58} 7 27.9 190.°04 0.°5/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.48	−15 20.1	1.974	2.799	14.5	20.8
6 30	20 52.77	−15 42.5	1.889	2.798	11.4	20.6
7 10	20 45.84	−16 14.9	1.826	2.797	7.7	20.4
7 20	20 37.19	−16 54.5	1.788	2.795	3.6	20.1
7 30	20 27.66	−17 37.3	1.778	2.792	0.9	19.9
8 9	20 18.25	−18 19.1	1.795	2.789	5.1	20.2
8 19	20 9.94	−18 56.3	1.839	2.786	9.1	20.5
8 29	20 3.56	−19 26.6	1.907	2.781	12.6	20.7

209292 2003 YZ_{77} 7 27.9 275.°59 2.°2/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 57.39	−14 9.8	1.966	2.788	14.7	20.4
6 30	20 52.71	−13 40.4	1.873	2.777	11.7	20.2
7 10	20 45.81	−13 18.2	1.801	2.766	8.2	20.0
7 20	20 37.19	−13 2.6	1.754	2.756	4.4	19.7
7 30	20 27.66	−12 52.6	1.733	2.745	2.3	19.5
8 9	20 18.23	−12 46.5	1.740	2.734	5.3	19.7
8 19	20 9.88	−12 42.6	1.774	2.723	9.1	19.9
8 29	20 3.45	−12 39.4	1.831	2.712	12.7	20.1

231223 2005 WD_{159} 7 27.9 210.°47 7.°8/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 1.16	−37 8.2	2.032	2.869	13.7	20.6
6 30	20 56.21	−38 43.3	1.961	2.865	11.3	20.4
7 10	20 48.47	−40 14.9	1.913	2.860	9.1	20.3
7 20	20 38.50	−41 34.4	1.889	2.854	7.9	20.2
7 30	20 27.31	−42 33.8	1.891	2.848	8.4	20.2
8 9	20 16.22	−43 8.3	1.919	2.842	10.3	20.3
8 19	20 6.53	−43 17.2	1.970	2.835	12.8	20.5
8 29	19 59.30	−43 3.0	2.042	2.828	15.2	20.6

100754 1998 FP_{2} 7 27.9 12.°24 23.°8/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 46.84	+27 4.4	0.932	1.641	34.3	18.8
6 30	20 46.46	+28 44.0	0.883	1.641	32.7	18.7
7 10	20 42.68	+29 30.5	0.838	1.643	30.7	18.5
7 20	20 36.08	+29 10.7	0.801	1.645	28.5	18.4
7 30	20 27.93	+27 33.6	0.773	1.648	26.4	18.2
8 9	20 19.97	+24 37.7	0.758	1.652	24.6	18.1
8 19	20 13.91	+20 32.7	0.757	1.657	23.8	18.1
8 29	20 11.14	+15 40.4	0.773	1.663	24.3	18.2

149134 2002 ES_{64} 7 27.9 197.°55 1.°3/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 53.02	−13 8.9	2.654	3.464	11.6	21.5
6 30	20 48.72	−13 18.4	2.563	3.462	9.2	21.4
7 10	20 42.83	−13 36.1	2.495	3.459	6.3	21.2
7 20	20 35.74	−14 0.4	2.454	3.456	3.3	21.0
7 30	20 28.06	−14 29.0	2.440	3.453	1.4	20.8
8 9	20 20.46	−14 59.4	2.456	3.450	3.9	21.0
8 19	20 13.61	−15 29.2	2.499	3.446	7.0	21.2
8 29	20 8.12	−15 56.1	2.568	3.442	9.8	21.4

252879 2002 JE_{60} 7 27.9 65.°38 0.°7/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.28	−17 36.8	1.302	2.158	18.8	20.7
6 30	20 54.15	−18 10.7	1.249	2.177	14.5	20.5
7 10	20 47.05	−18 56.1	1.216	2.195	9.6	20.3
7 20	20 37.78	−19 47.8	1.205	2.214	4.3	20.0
7 30	20 27.58	−20 38.9	1.218	2.233	1.5	19.9
8 9	20 17.93	−21 23.1	1.256	2.251	6.6	20.3
8 19	20 10.10	−21 56.6	1.318	2.270	11.4	20.6
8 29	20 5.03	−22 17.8	1.401	2.289	15.5	20.9

214880 2007 RP_{157} 7 27.9 272.°69 6.°1/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	21 0.34	−29 11.8	1.475	2.334	16.8	20.8
6 30	20 56.38	−30 17.7	1.389	2.316	13.4	20.5
7 10	20 49.09	−31 27.3	1.323	2.296	9.7	20.2
7 20	20 38.98	−32 32.1	1.280	2.277	6.6	20.0
7 30	20 27.20	−33 22.3	1.261	2.257	6.7	20.0
8 9	20 15.39	−33 50.8	1.267	2.237	10.0	20.1
8 19	20 5.19	−33 54.9	1.295	2.217	14.2	20.3
8 29	19 57.99	−33 36.3	1.344	2.196	18.1	20.5

218947 2008 DN_{33} 7 27.9 16.°72 14.°7/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	21 23.02	−50 55.1	1.090	1.922	23.3	18.7
6 30	21 15.05	−51 4.1	1.044	1.929	20.4	18.5
7 10	21 1.44	−50 44.5	1.013	1.936	17.5	18.4
7 20	20 44.10	−49 42.2	1.000	1.946	15.3	18.3
7 30	20 26.11	−47 49.8	1.008	1.957	14.8	18.3
8 9	20 10.57	−45 12.4	1.037	1.969	16.0	18.4
8 19	19 59.44	−42 4.6	1.087	1.983	18.5	18.6
8 29	19 53.40	−38 43.4	1.157	1.997	21.2	18.9

445841 2012 DT_{25} 7 27.9 262.°85 3.°8/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 51.63	− 3 51.8	2.779	3.552	12.1	22.4
6 30	20 47.71	− 4 0.6	2.664	3.530	10.0	22.2
7 10	20 42.24	− 4 22.6	2.571	3.506	7.6	22.0
7 20	20 35.54	− 4 57.7	2.503	3.483	5.2	21.8
7 30	20 28.14	− 5 44.8	2.462	3.458	3.8	21.7
8 9	20 20.66	− 6 41.1	2.449	3.434	4.8	21.7
8 19	20 13.76	− 7 43.3	2.465	3.409	7.2	21.9
8 29	20 8.06	− 8 47.7	2.507	3.383	9.9	22.0

36683 2000 RG_{2} 7 27.9 359.°59 2.°1/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.63	−13 26.1	1.373	2.226	18.2	19.3
6 30	20 49.81	−13 22.1	1.301	2.224	14.4	19.0
7 10	20 44.27	−13 31.8	1.248	2.223	10.0	18.8
7 20	20 36.61	−13 53.7	1.217	2.222	5.2	18.5
7 30	20 27.87	−14 24.3	1.209	2.222	2.2	18.3
8 9	20 19.37	−14 58.6	1.225	2.223	6.2	18.6
8 19	20 12.34	−15 32.1	1.265	2.225	11.0	18.8
8 29	20 7.79	−16 0.9	1.326	2.228	15.2	19.1

267063 1999 FC_{77} 7 27.9 152.°48 0.°4/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 56.47	−15 28.6	1.897	2.727	14.8	21.1
6 30	20 52.03	−15 56.0	1.820	2.732	11.6	20.9
7 10	20 45.35	−16 33.8	1.765	2.736	7.8	20.7
7 20	20 36.99	−17 18.7	1.734	2.741	3.6	20.4
7 30	20 27.79	−18 6.5	1.730	2.745	0.9	20.2
8 9	20 18.77	−18 52.5	1.754	2.748	5.1	20.5
8 19	20 10.92	−19 33.0	1.803	2.751	9.1	20.8
8 29	20 5.04	−20 5.6	1.877	2.754	12.7	21.0

230847 2004 RQ_{37} 7 27.9 307.°27 3.°2/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.60	−24 9.7	1.523	2.384	16.3	20.4
6 30	20 52.31	−24 43.7	1.434	2.365	12.8	20.1
7 10	20 46.12	−25 23.5	1.366	2.346	8.7	19.8
7 20	20 37.55	−26 3.6	1.321	2.328	4.6	19.5
7 30	20 27.61	−26 37.3	1.300	2.309	3.7	19.4
8 9	20 17.70	−26 59.1	1.305	2.292	7.7	19.6
8 19	20 9.20	−27 6.1	1.332	2.274	12.2	19.8
8 29	20 3.28	−26 58.0	1.381	2.257	16.3	20.0

240950 2006 HX_{10} 7 27.9 53.°72 6.°6/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 52.38	− 0 26.6	1.736	2.525	17.6	20.7
6 30	20 48.91	− 0 13.6	1.666	2.534	14.8	20.6
7 10	20 43.29	− 0 21.8	1.613	2.544	11.6	20.4
7 20	20 36.05	− 0 52.0	1.582	2.554	8.5	20.2
7 30	20 28.04	− 1 42.7	1.576	2.564	6.6	20.1
8 9	20 20.24	− 2 49.7	1.594	2.574	7.4	20.2
8 19	20 13.58	− 4 6.8	1.637	2.584	10.0	20.4
8 29	20 8.86	− 5 27.4	1.704	2.595	13.0	20.6

510731 2012 VG_{99} 7 27.9 300.°74 6.°6/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 55.50	−30 15.4	1.659	2.519	15.2	20.8
6 30	20 52.30	−31 44.3	1.573	2.499	12.2	20.6
7 10	20 46.18	−33 17.3	1.508	2.478	9.0	20.4
7 20	20 37.62	−34 45.9	1.467	2.458	6.8	20.2
7 30	20 27.59	−36 0.3	1.451	2.438	7.2	20.2
8 9	20 17.47	−36 53.1	1.460	2.418	10.1	20.3
8 19	20 8.68	−37 20.9	1.491	2.398	13.6	20.5
8 29	20 2.47	−37 24.4	1.543	2.379	17.0	20.6

360048 2013 AN_{59} 7 27.9 47.°18 3.°2/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 20	20 58.37	−27 49.1	2.048	2.890	13.4	20.5
6 30	20 53.38	−28 4.6	1.977	2.895	10.5	20.4
7 10	20 46.15	−28 19.4	1.927	2.900	7.2	20.2
7 20	20 37.31	−28 29.4	1.903	2.905	4.1	20.0
7 30	20 27.74	−28 30.7	1.905	2.910	3.6	20.0
8 9	20 18.51	−28 21.2	1.935	2.915	6.3	20.1
8 19	20 10.57	−28 0.5	1.991	2.920	9.5	20.3
8 29	20 4.67	−27 29.9	2.070	2.926	12.5	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
325894 2010 UO_{27}			7 27.9	95°.65	3°.5/29.7	17
	h m	° ′			°	m
6 20	20 57.25	− 9 52.3	1.552	2.378	17.7	21.2
6 30	20 52.95	− 9 41.2	1.483	2.387	14.2	21.0
7 10	20 46.12	− 9 45.3	1.434	2.396	10.2	20.7
7 20	20 37.38	−10 3.5	1.407	2.405	5.9	20.5
7 30	20 27.73	−10 33.3	1.405	2.414	3.5	20.4
8 9	20 18.39	−11 10.4	1.429	2.423	6.1	20.6
8 19	20 10.47	−11 50.1	1.478	2.432	10.2	20.8
8 29	20 4.85	−12 28.4	1.549	2.440	14.0	21.1
313910 2004 PO_{63}			7 27.9	321°.53	2°.9/29.5	18
6 20	20 53.34	−11 25.4	2.030	2.850	14.3	20.6
6 30	20 49.50	−11 2.7	1.940	2.841	11.5	20.4
7 10	20 43.64	−10 49.7	1.871	2.832	8.2	20.2
7 20	20 36.23	−10 46.1	1.826	2.824	4.8	20.0
7 30	20 28.01	−10 50.6	1.807	2.816	2.9	19.8
8 9	20 19.89	−11 1.3	1.816	2.809	5.2	20.0
8 19	20 12.75	−11 15.6	1.850	2.801	8.7	20.2
8 29	20 7.34	−11 30.9	1.908	2.794	12.0	20.4
342873 2008 YS_{40}			7 27.9	194°.42	1°.5/26.9	18
6 20	20 56.77	−22 0.2	2.577	3.403	11.5	22.6
6 30	20 51.77	−22 30.9	2.489	3.401	8.9	22.4
7 10	20 44.95	−23 5.5	2.425	3.397	5.9	22.2
7 20	20 36.77	−23 40.7	2.387	3.394	2.8	22.0
7 30	20 27.90	−24 12.9	2.378	3.389	1.8	22.0
8 9	20 19.12	−24 39.1	2.398	3.385	4.7	22.2
8 19	20 11.22	−24 57.4	2.446	3.379	7.8	22.3
8 29	20 4.86	−25 6.9	2.519	3.373	10.6	22.5
474476 2003 SB_{235}			7 27.9	290°.90	0°.3/27.8	18
6 20	20 57.59	−19 18.5	1.853	2.691	14.8	21.8
6 30	20 53.37	−19 19.7	1.744	2.661	11.7	21.5
7 10	20 46.61	−19 27.1	1.657	2.631	7.9	21.3
7 20	20 37.75	−19 38.1	1.593	2.601	3.6	20.9
7 30	20 27.61	−19 49.2	1.556	2.570	1.1	20.7
8 9	20 17.32	−19 57.0	1.545	2.539	5.8	20.9
8 19	20 8.07	−19 59.3	1.561	2.508	10.3	21.1
8 29	20 0.93	−19 54.8	1.599	2.477	14.4	21.3
379672 2011 FT_{11}			7 27.9	155°.78	0°.9/28.6	17
6 20	20 56.93	−13 54.3	2.155	2.972	13.7	21.9
6 30	20 52.08	−14 18.7	2.076	2.980	10.8	21.7
7 10	20 45.24	−14 53.1	2.020	2.987	7.3	21.5
7 20	20 36.92	−15 35.0	1.988	2.993	3.6	21.3
7 30	20 27.87	−16 20.8	1.985	2.999	1.1	21.1
8 9	20 18.99	−17 6.4	2.010	3.004	4.6	21.4
8 19	20 11.12	−17 48.4	2.062	3.009	8.2	21.6
8 29	20 5.01	−18 24.5	2.140	3.013	11.5	21.9
211620 2003 UK_{63}			7 27.9	3°.98	0°.8/28.4	17
6 20	20 48.31	−13 6.6	1.025	1.904	21.0	19.1
6 30	20 47.26	−13 47.2	0.964	1.903	16.6	18.8
7 10	20 43.01	−14 50.2	0.920	1.903	11.3	18.5
7 20	20 36.19	−16 11.0	0.895	1.904	5.4	18.2
7 30	20 28.04	−17 41.1	0.892	1.907	1.3	17.9
8 9	20 20.17	−19 9.7	0.911	1.911	7.2	18.3
8 19	20 14.11	−20 27.6	0.951	1.916	12.9	18.7
8 29	20 11.03	−21 28.9	1.010	1.923	17.8	19.0
505715 2015 AA_{150}			7 27.9	52°.20	2°.2/27.1	17
6 20	20 59.94	−23 18.2	1.435	2.292	17.3	20.8
6 30	20 55.38	−23 28.6	1.372	2.299	13.5	20.6
7 10	20 47.89	−23 42.9	1.328	2.307	9.0	20.3
7 20	20 38.21	−23 56.3	1.308	2.315	4.3	20.1
7 30	20 27.56	−24 3.8	1.312	2.324	2.6	20.0
8 9	20 17.39	−24 2.0	1.341	2.332	6.9	20.3
8 19	20 8.98	−23 49.9	1.394	2.341	11.4	20.6
8 29	20 3.29	−23 28.3	1.469	2.350	15.3	20.8
39413 3113 $T\text{-}_{1}$			7 27.9	127°.33	1°.0/27.5	18
6 20	21 0.43	−19 26.6	1.592	2.435	16.6	19.5
6 30	20 55.48	−19 53.4	1.525	2.445	12.9	19.3
7 10	20 47.84	−20 28.2	1.479	2.455	8.6	19.1
7 20	20 38.18	−21 6.5	1.456	2.465	3.8	18.8
7 30	20 27.57	−21 42.9	1.460	2.474	1.6	18.7
8 9	20 17.32	−22 12.6	1.490	2.482	6.2	19.0
8 19	20 8.61	−22 32.9	1.545	2.490	10.6	19.3
8 29	20 2.37	−22 42.7	1.623	2.498	14.4	19.6
386473 2008 YV_{94}			7 27.9	160°.61	0°.8/27.4	16
6 20	20 55.33	−18 43.5	2.207	3.038	13.0	21.7
6 30	20 50.89	−19 21.4	2.128	3.042	10.0	21.5
7 10	20 44.48	−20 6.6	2.071	3.045	6.7	21.3
7 20	20 36.60	−20 55.3	2.040	3.048	3.0	21.1
7 30	20 27.97	−21 43.4	2.038	3.051	1.3	21.0
8 9	20 19.49	−22 26.7	2.063	3.054	4.9	21.2
8 19	20 12.00	−23 2.4	2.115	3.056	8.4	21.4
8 29	20 6.23	−23 28.8	2.192	3.058	11.5	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
328171 2008 CE_{215}			7 27.9	185°.91	3°.3/26.3	17
	h m	° ′			°	m
6 20	21 1.17	−25 20.7	1.771	2.614	15.1	21.7
6 30	20 56.03	−25 57.3	1.695	2.614	11.8	21.4
7 10	20 48.23	−26 37.0	1.640	2.614	8.0	21.2
7 20	20 38.38	−27 14.2	1.609	2.613	4.4	21.0
7 30	20 27.51	−27 43.0	1.605	2.612	3.7	21.0
8 9	20 16.88	−27 59.3	1.628	2.610	7.0	21.2
8 19	20 7.69	−28 1.6	1.676	2.608	10.9	21.4
8 29	20 0.91	−27 50.4	1.747	2.605	14.3	21.6
146930 2002 CH_{300}			7 27.9	122°.44	0°.5/28.3	18
6 20	20 53.27	−15 52.5	2.242	3.069	12.9	20.5
6 30	20 49.23	−16 9.6	2.160	3.070	10.1	20.4
7 10	20 43.34	−16 34.9	2.100	3.071	6.8	20.2
7 20	20 36.07	−17 5.8	2.066	3.073	3.2	19.9
7 30	20 28.11	−17 39.3	2.059	3.074	0.8	19.7
8 9	20 20.28	−18 12.1	2.080	3.075	4.4	20.0
8 19	20 13.39	−18 41.4	2.128	3.076	7.9	20.2
8 29	20 8.12	−19 5.2	2.201	3.077	11.1	20.4
427612 2003 SQ_{408}			7 27.9	255°.90	1°.4/27.3	17
6 20	21 0.72	−20 59.2	1.753	2.592	15.5	22.9
6 30	20 55.92	−21 16.9	1.654	2.572	12.2	22.7
7 10	20 48.38	−21 41.1	1.576	2.551	8.2	22.4
7 20	20 38.57	−22 7.7	1.522	2.530	3.8	22.1
7 30	20 27.43	−22 32.0	1.495	2.508	1.9	21.9
8 9	20 16.23	−22 49.5	1.494	2.485	6.4	22.1
8 19	20 6.25	−22 57.6	1.519	2.462	10.9	22.3
8 29	19 58.62	−22 55.5	1.567	2.438	15.0	22.5
236740 2007 JL_{27}			7 27.9	86°.16	0°.4/27.8	17
6 20	20 58.03	−16 40.9	1.273	2.130	19.1	20.4
6 30	20 54.24	−17 17.5	1.211	2.138	14.9	20.2
7 10	20 47.34	−18 8.0	1.167	2.146	10.0	19.9
7 20	20 38.05	−19 7.3	1.145	2.154	4.5	19.7
7 30	20 27.60	−20 8.1	1.147	2.162	1.3	19.5
8 9	20 17.52	−21 3.0	1.174	2.169	6.9	19.8
8 19	20 9.21	−21 47.0	1.224	2.177	12.0	20.2
8 29	20 3.76	−22 17.6	1.295	2.185	16.3	20.4
315348 2007 UB_{11}			7 27.9	225°.39	2°.6/26.6	17
6 20	20 59.24	−22 17.5	1.634	2.482	16.0	21.2
6 30	20 54.83	−23 2.6	1.552	2.475	12.5	21.0
7 10	20 47.63	−23 55.1	1.491	2.468	8.4	20.7
7 20	20 38.20	−24 49.3	1.454	2.461	4.2	20.4
7 30	20 27.54	−25 38.6	1.443	2.453	3.1	20.4
8 9	20 17.00	−26 17.1	1.458	2.445	7.1	20.6
8 19	20 7.86	−26 41.5	1.498	2.436	11.4	20.8
8 29	20 1.20	−26 51.2	1.560	2.427	15.3	21.0
447135 2004 XG_{112}			7 27.9	309°.75	10°.3/17.3	18
6 20	20 57.93	−44 17.0	2.113	2.943	13.5	20.1
6 30	20 54.26	−46 28.6	2.041	2.924	11.8	20.0
7 10	20 47.59	−48 34.2	1.992	2.905	10.6	19.9
7 20	20 38.34	−50 23.7	1.967	2.887	10.4	19.8
7 30	20 27.46	−51 48.1	1.966	2.869	11.2	19.9
8 9	20 16.38	−52 41.8	1.989	2.851	12.8	19.9
8 19	20 6.61	−53 3.8	2.032	2.834	14.8	20.0
8 29	19 59.47	−52 56.9	2.092	2.817	16.7	20.1
286201 2001 UK_{70}			7 27.9	12°.77	4°.4/26.4	17
6 20	20 54.49	−24 49.7	0.964	1.857	21.0	20.1
6 30	20 52.44	−25 27.4	0.912	1.859	16.3	19.8
7 10	20 46.61	−26 11.0	0.876	1.862	11.1	19.6
7 20	20 37.83	−26 52.2	0.859	1.867	6.0	19.3
7 30	20 27.67	−27 21.9	0.864	1.873	4.9	19.3
8 9	20 18.10	−27 33.6	0.889	1.880	9.5	19.5
8 19	20 10.85	−27 25.9	0.935	1.888	14.6	19.9
8 29	20 7.09	−27 0.7	0.998	1.898	19.2	20.2
475536 2006 TO_{11}			7 27.9	219°.47	6°.9/23.5	18
6 20	21 2.56	−39 42.5	2.425	3.247	12.2	21.7
6 30	20 56.72	−40 32.2	2.349	3.241	10.1	21.6
7 10	20 48.48	−41 15.1	2.295	3.234	8.2	21.4
7 20	20 38.44	−41 45.2	2.266	3.228	7.0	21.3
7 30	20 27.52	−41 57.3	2.264	3.221	7.2	21.3
8 9	20 16.87	−41 48.9	2.288	3.213	8.8	21.4
8 19	20 7.53	−41 20.6	2.337	3.206	10.9	21.6
8 29	20 0.36	−40 35.1	2.408	3.198	13.0	21.7
280103 2002 FD_{20}			7 27.9	119°.77	0°.5/27.7	18
6 20	20 56.33	−16 57.4	1.971	2.802	14.3	20.8
6 30	20 51.82	−17 42.3	1.901	2.814	11.1	20.6
7 10	20 45.17	−18 36.6	1.852	2.826	7.3	20.4
7 20	20 36.93	−19 36.2	1.830	2.837	3.3	20.2
7 30	20 27.92	−20 36.1	1.834	2.848	1.1	20.1
8 9	20 19.14	−21 31.2	1.867	2.859	5.1	20.4
8 19	20 11.51	−22 18.0	1.926	2.869	8.9	20.6
8 29	20 5.79	−22 54.4	2.009	2.879	12.2	20.8

357102 2001 TR_{171} 7 27.9 277°.09 4°.4/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 55.00	−27 47.0	2.129	2.975	12.8	20.7
6 30	20 51.11	−29 0.8	2.039	2.960	10.1	20.5
7 10	20 44.95	−30 18.4	1.973	2.944	7.1	20.2
7 20	20 36.95	−31 33.6	1.932	2.928	4.8	20.1
7 30	20 27.89	−32 39.9	1.918	2.912	4.9	20.1
8 9	20 18.80	−33 31.9	1.931	2.896	7.5	20.2
8 19	20 10.71	−34 6.5	1.969	2.880	10.6	20.3
8 29	20 4.54	−34 23.5	2.030	2.864	13.6	20.5

300733 2007 VE_{145} 7 27.9 280°.95 0°.4/27.7 18

6 20	20 54.02	−17 46.8	1.977	2.814	14.0	20.8
6 30	20 50.16	−18 16.6	1.894	2.811	10.9	20.6
7 10	20 44.16	−18 55.0	1.833	2.808	7.3	20.4
7 20	20 36.52	−19 38.6	1.796	2.804	3.3	20.1
7 30	20 28.03	−20 23.1	1.787	2.801	1.1	20.0
8 9	20 19.66	−21 4.2	1.804	2.798	5.2	20.2
8 19	20 12.34	−21 38.6	1.848	2.794	9.1	20.5
8 29	20 6.88	−22 4.2	1.915	2.791	12.5	20.7

173622 2001 FT_{49} 7 27.9 133°.63 1°.1/28.6 17

6 20	20 59.13	−14 8.4	1.806	2.631	15.7	21.1
6 30	20 54.10	−14 23.4	1.736	2.643	12.3	20.9
7 10	20 46.75	−14 49.4	1.686	2.654	8.4	20.7
7 20	20 37.66	−15 23.6	1.660	2.665	4.1	20.5
7 30	20 27.76	−16 2.2	1.662	2.676	1.3	20.3
8 9	20 18.14	−16 40.7	1.691	2.686	5.2	20.6
8 19	20 9.82	−17 15.8	1.746	2.695	9.3	20.9
8 29	20 3.61	−17 44.8	1.825	2.704	12.9	21.1

252827 2002 GJ_{96} 7 27.9 169°.11 6°.7/ 2.9 18

6 20	20 51.71	+ 5 42.3	2.842	3.558	13.0	20.8
6 30	20 47.60	+ 6 9.6	2.753	3.561	11.3	20.7
7 10	20 42.05	+ 6 21.4	2.685	3.564	9.5	20.5
7 20	20 35.45	+ 6 16.4	2.640	3.566	7.8	20.4
7 30	20 28.32	+ 5 54.3	2.619	3.568	6.8	20.4
8 9	20 21.26	+ 5 16.6	2.625	3.569	6.9	20.4
8 19	20 14.87	+ 4 26.2	2.658	3.571	8.1	20.5
8 29	20 9.68	+ 3 26.9	2.716	3.572	9.9	20.6

339321 2004 XZ_{118} 7 27.9 339°.56 3°.1/25.9 18

6 20	20 52.38	−21 27.1	1.532	2.395	16.1	19.6
6 30	20 49.66	−22 39.9	1.456	2.388	12.5	19.3
7 10	20 44.26	−24 3.3	1.401	2.382	8.4	19.1
7 20	20 36.70	−25 30.6	1.369	2.376	4.3	18.8
7 30	20 27.97	−26 53.4	1.363	2.371	3.7	18.8
8 9	20 19.33	−28 3.9	1.381	2.367	7.6	19.0
8 19	20 12.04	−28 57.1	1.424	2.363	11.8	19.3
8 29	20 7.16	−29 31.1	1.488	2.359	15.7	19.5

341167 2007 QA_{14} 7 27.9 280°.93 0°.8/28.4 18

6 20	20 54.62	−15 26.9	1.876	2.710	14.8	21.0
6 30	20 50.74	−15 37.6	1.789	2.702	11.6	20.7
7 10	20 44.62	−15 58.0	1.723	2.695	7.9	20.5
7 20	20 36.76	−16 25.8	1.681	2.687	3.8	20.2
7 30	20 27.97	−16 57.8	1.665	2.680	1.1	20.0
8 9	20 19.27	−17 29.9	1.677	2.672	5.2	20.3
8 19	20 11.66	−17 58.8	1.714	2.665	9.3	20.5
8 29	20 6.00	−18 22.1	1.774	2.657	13.0	20.7

321809 2010 RP_{3} 7 27.9 266°.00 1°.5/27.2 17

6 20	20 57.71	−19 41.8	1.542	2.392	16.7	21.7
6 30	20 53.88	−20 16.0	1.452	2.377	13.1	21.5
7 10	20 47.17	−21 0.3	1.383	2.361	8.8	21.2
7 20	20 38.08	−21 50.2	1.337	2.345	4.0	20.9
7 30	20 27.61	−22 39.4	1.316	2.329	2.1	20.7
8 9	20 17.11	−23 21.6	1.321	2.313	6.8	20.9
8 19	20 7.97	−23 52.7	1.350	2.296	11.7	21.2
8 29	20 1.35	−24 10.7	1.400	2.279	16.0	21.4

455010 2015 TA_{281} 7 27.9 323°.70 4°.8/31.0 18

6 20	20 51.07	− 4 44.2	2.182	2.976	14.3	20.9
6 30	20 47.61	− 4 23.3	2.091	2.969	11.8	20.7
7 10	20 42.33	− 4 16.1	2.021	2.962	9.0	20.5
7 20	20 35.66	− 4 23.2	1.974	2.955	6.3	20.3
7 30	20 28.26	− 4 44.0	1.953	2.948	4.8	20.2
8 9	20 20.93	− 5 16.1	1.958	2.942	5.8	20.3
8 19	20 14.44	− 5 56.2	1.990	2.936	8.5	20.4
8 29	20 9.49	− 6 40.4	2.045	2.930	11.4	20.6

501702 2014 UD_{12} 7 27.9 170°.92 1°.5/28.7 17

6 20	21 0.28	−14 30.5	1.668	2.497	16.6	21.9
6 30	20 55.29	−14 29.2	1.591	2.500	13.1	21.7
7 10	20 47.72	−14 38.6	1.533	2.502	9.0	21.4
7 20	20 38.17	−14 56.5	1.500	2.504	4.5	21.2
7 30	20 27.64	−15 19.6	1.492	2.506	1.6	21.0
8 9	20 17.33	−15 44.0	1.511	2.507	5.7	21.2
8 19	20 8.40	−16 6.6	1.556	2.507	10.1	21.5
8 29	20 1.79	−16 24.8	1.625	2.507	14.0	21.7

133980 2004 TF_{255} 7 27.9 221°.92 2°.1/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 20	20 58.02	−23 3.4	2.230	3.063	12.8	21.5
6 30	20 53.14	−23 39.4	2.139	3.054	9.9	21.3
7 10	20 46.11	−24 19.7	2.070	3.044	6.7	21.1
7 20	20 37.42	−25 0.3	2.028	3.034	3.3	20.9
7 30	20 27.82	−25 36.7	2.013	3.023	2.5	20.8
8 9	20 18.29	−26 5.0	2.026	3.011	5.6	21.0
8 19	20 9.75	−26 22.9	2.067	2.999	9.1	21.2
8 29	20 3.03	−26 29.9	2.131	2.986	12.2	21.4

423984 2006 VF_{52} 7 27.9 251°.82 1°.2/28.5 17

6 20	20 58.49	−15 59.6	1.641	2.478	16.4	21.4
6 30	20 54.07	−15 50.6	1.556	2.471	13.0	21.2
7 10	20 47.02	−15 50.5	1.492	2.464	8.9	20.9
7 20	20 37.91	−15 57.5	1.450	2.456	4.3	20.6
7 30	20 27.70	−16 8.6	1.434	2.448	1.4	20.4
8 9	20 17.62	−16 20.6	1.445	2.441	5.8	20.7
8 19	20 8.88	−16 30.7	1.480	2.433	10.4	20.9
8 29	20 2.45	−16 37.0	1.539	2.424	14.4	21.2

146112 2000 QW_{176} 7 27.9 125°.88 2°.9/26.8 18

6 20	21 3.14	−26 37.8	1.833	2.672	14.9	19.2
6 30	20 57.30	−26 45.4	1.762	2.679	11.6	19.0
7 10	20 48.89	−26 52.7	1.713	2.686	7.9	18.8
7 20	20 38.63	−26 55.4	1.689	2.693	4.2	18.6
7 30	20 27.56	−26 49.5	1.691	2.699	3.2	18.5
8 9	20 16.92	−26 32.7	1.721	2.706	6.4	18.7
8 19	20 7.80	−26 5.3	1.777	2.712	10.2	19.0
8 29	20 1.06	−25 29.0	1.857	2.717	13.5	19.2

387369 2012 XC_{94} 7 27.9 275°.49 0°.2/28.1 18

6 20	20 53.64	−15 37.5	1.938	2.772	14.4	20.7
6 30	20 49.91	−16 10.7	1.855	2.769	11.2	20.4
7 10	20 44.02	−16 54.6	1.793	2.766	7.6	20.2
7 20	20 36.48	−17 46.0	1.756	2.764	3.5	20.0
7 30	20 28.08	−18 40.5	1.746	2.761	0.8	19.8
8 9	20 19.77	−19 33.3	1.763	2.758	5.1	20.1
8 19	20 12.52	−20 20.3	1.807	2.756	9.1	20.3
8 29	20 7.13	−20 58.6	1.874	2.753	12.6	20.5

119028 2001 CB_{33} 7 27.9 206°.35 5°.7/22.6 18

6 20	20 58.47	−38 55.0	3.080	3.898	10.0	21.4
6 30	20 53.14	−39 57.5	3.002	3.892	8.2	21.3
7 10	20 45.93	−40 55.3	2.948	3.885	6.7	21.2
7 20	20 37.28	−41 43.6	2.920	3.878	5.8	21.1
7 30	20 27.89	−42 18.1	2.921	3.871	6.1	21.1
8 9	20 18.58	−42 36.1	2.948	3.863	7.4	21.2
8 19	20 10.16	−42 37.3	3.000	3.854	9.2	21.3
8 29	20 3.35	−42 22.9	3.076	3.845	10.9	21.4

208853 2002 RF_{265} 7 27.9 175°.23 0°.4/28.3 18

6 20	20 55.03	−15 34.0	2.345	3.165	12.6	21.5
6 30	20 50.53	−15 56.4	2.261	3.167	9.9	21.3
7 10	20 44.20	−16 26.9	2.199	3.169	6.7	21.1
7 20	20 36.50	−17 3.1	2.164	3.170	3.1	20.9
7 30	20 28.10	−17 41.8	2.156	3.170	0.8	20.7
8 9	20 19.83	−18 19.5	2.177	3.171	4.3	21.0
8 19	20 12.45	−18 53.5	2.225	3.171	7.8	21.2
8 29	20 6.66	−19 21.6	2.298	3.170	10.8	21.4

72409 2001 CV_{27} 7 27.9 57°.82 5°.0/24.9 18

6 20	20 56.86	−27 32.0	1.644	2.501	15.5	18.4
6 30	20 52.82	−28 49.8	1.589	2.516	12.0	18.2
7 10	20 46.13	−30 9.7	1.557	2.531	8.4	18.1
7 20	20 37.45	−31 23.9	1.548	2.546	5.5	17.9
7 30	20 27.87	−32 24.7	1.565	2.561	5.5	18.0
8 9	20 18.66	−33 6.9	1.607	2.577	8.3	18.2
8 19	20 10.99	−33 28.9	1.674	2.593	11.7	18.4
8 29	20 5.76	−33 31.7	1.762	2.609	14.7	18.6

256831 2008 CM_{147} 7 27.9 197°.26 2°.6/29.6 17

6 20	20 57.49	− 9 44.4	1.966	2.773	15.2	22.0
6 30	20 52.83	− 9 55.2	1.877	2.771	12.2	21.8
7 10	20 45.97	−10 19.7	1.809	2.767	8.7	21.6
7 20	20 37.39	−10 56.6	1.765	2.763	4.9	21.4
7 30	20 27.89	−11 43.0	1.748	2.758	2.6	21.2
8 9	20 18.46	−12 34.6	1.759	2.753	5.2	21.4
8 19	20 10.07	−13 27.0	1.797	2.747	9.0	21.6
8 29	20 3.56	−14 16.5	1.859	2.740	12.6	21.8

355826 2008 TJ_{127} 7 27.9 9°.09 0°.5/27.9 17

6 20	20 58.69	−19 40.1	1.105	1.976	20.4	20.7
6 30	20 55.26	−19 34.5	1.042	1.977	16.0	20.4
7 10	20 48.32	−19 37.6	0.995	1.977	10.8	20.1
7 20	20 38.63	−19 45.5	0.969	1.978	4.9	19.8
7 30	20 27.59	−19 53.3	0.966	1.980	1.4	19.6
8 9	20 16.99	−19 56.3	0.985	1.982	7.4	20.0
8 19	20 8.46	−19 52.4	1.026	1.985	13.0	20.3
8 29	20 3.16	−19 40.8	1.087	1.988	17.8	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
361466 2007 DV_{14}			7 27.9	27°.83	0°.1/27.9 18	
	h m	° ′			°	m
6 20	20 51.77	−15 55.8	2.127	2.960	13.3	21.1
6 30	20 48.23	−16 38.0	2.048	2.963	10.3	20.9
7 10	20 42.79	−17 30.1	1.992	2.966	6.9	20.7
7 20	20 35.90	−18 28.7	1.962	2.969	3.1	20.4
7 30	20 28.28	−19 29.3	1.958	2.973	0.8	20.3
8 9	20 20.79	−20 27.3	1.982	2.976	4.7	20.6
8 19	20 14.25	−21 18.8	2.033	2.980	8.3	20.8
8 29	20 9.38	−22 1.3	2.108	2.984	11.5	21.0
9258 Johnpauljones			7 27.9	335°.38	1°.7/28.7 18	
6 20	20 53.52	−14 47.2	1.085	1.956	20.7	18.4
6 30	20 51.36	−14 43.1	1.014	1.948	16.5	18.1
7 10	20 45.85	−14 54.5	0.960	1.940	11.4	17.8
7 20	20 37.59	−15 19.3	0.925	1.932	5.7	17.4
7 30	20 27.83	−15 53.0	0.912	1.926	1.9	17.1
8 9	20 18.24	−16 29.4	0.921	1.920	7.3	17.5
8 19	20 10.46	−17 2.8	0.951	1.915	13.0	17.8
8 29	20 5.78	−17 29.0	1.000	1.911	18.1	18.0
74665 1999 RA_{94}			7 27.9	308°.92	0°.4/27.8 18	
6 20	20 52.48	−16 35.9	1.296	2.161	18.4	18.9
6 30	20 50.36	−17 8.7	1.204	2.136	14.6	18.6
7 10	20 45.18	−17 57.7	1.130	2.111	9.9	18.2
7 20	20 37.35	−18 59.2	1.078	2.087	4.5	17.9
7 30	20 27.86	−20 6.8	1.049	2.063	1.4	17.6
8 9	20 18.17	−21 12.4	1.043	2.040	7.3	17.9
8 19	20 9.84	−22 8.7	1.060	2.017	12.9	18.1
8 29	20 4.29	−22 51.3	1.097	1.995	17.9	18.3
42653 1998 FE_{88}			7 27.9	230°.03	4°.9/25.6 18	R
6 20	21 1.41	−28 18.3	1.601	2.452	16.1	18.9
6 30	20 56.71	−29 7.0	1.524	2.447	12.7	18.7
7 10	20 48.99	−29 57.4	1.467	2.440	8.9	18.5
7 20	20 38.89	−30 42.5	1.435	2.434	5.6	18.3
7 30	20 27.52	−31 14.8	1.427	2.427	5.4	18.2
8 9	20 16.38	−31 29.3	1.445	2.420	8.5	18.4
8 19	20 6.84	−31 24.6	1.488	2.413	12.4	18.6
8 29	20 0.03	−31 2.7	1.551	2.405	16.0	18.8
476723 2008 UG_{12}			7 27.9	0°.93	1°.2/27.6 16	
6 20	20 54.63	−21 27.3	1.267	2.138	18.3	20.8
6 30	20 51.70	−21 23.3	1.200	2.135	14.3	20.6
7 10	20 45.72	−21 25.1	1.152	2.134	9.6	20.3
7 20	20 37.39	−21 28.8	1.125	2.134	4.4	20.0
7 30	20 27.92	−21 30.1	1.121	2.135	1.8	19.8
8 9	20 18.84	−21 25.5	1.141	2.137	6.9	20.1
8 19	20 11.50	−21 13.3	1.183	2.140	11.9	20.4
8 29	20 6.95	−20 53.3	1.246	2.145	16.2	20.7
373694 2002 RC_{115}			7 28.0	341°.46	0°.4/28.1 17	
6 20	20 54.12	−19 4.7	1.137	2.012	19.7	20.5
6 30	20 51.74	−18 42.1	1.063	2.000	15.5	20.2
7 10	20 46.03	−18 26.8	1.007	1.990	10.6	19.9
7 20	20 37.65	−18 16.7	0.971	1.980	4.9	19.5
7 30	20 27.84	−18 8.6	0.957	1.972	1.2	19.3
8 9	20 18.26	−17 59.2	0.966	1.965	7.2	19.6
8 19	20 10.49	−17 46.4	0.996	1.959	12.8	19.9
8 29	20 5.78	−17 29.1	1.046	1.955	17.7	20.2
335064 2004 RC_{220}			7 28.0	328°.08	2°.8/27.5 18	
6 20	20 59.34	−27 13.5	1.221	2.093	18.8	20.0
6 30	20 56.12	−26 41.3	1.127	2.063	15.0	19.7
7 10	20 49.24	−26 4.2	1.052	2.033	10.4	19.3
7 20	20 39.24	−25 17.2	0.997	2.004	5.3	18.9
7 30	20 27.41	−24 16.2	0.964	1.977	3.2	18.7
8 9	20 15.58	−23 0.2	0.956	1.951	8.2	18.9
8 19	20 5.61	−21 32.2	0.970	1.926	13.9	19.2
8 29	19 58.97	−19 57.1	1.003	1.903	19.1	19.4
91638 1999 TQ_{82}			7 28.0	330°.45	4°.2/25.7 18	R
6 20	20 53.49	−27 26.0	1.744	2.604	14.6	19.0
6 30	20 50.33	−28 5.2	1.659	2.587	11.5	18.8
7 10	20 44.61	−28 46.7	1.595	2.571	8.0	18.5
7 20	20 36.87	−29 24.9	1.554	2.556	4.9	18.3
7 30	20 28.04	−29 53.7	1.539	2.542	4.6	18.3
8 9	20 19.30	−30 8.7	1.549	2.528	7.6	18.4
8 19	20 11.84	−30 8.0	1.583	2.515	11.3	18.6
8 29	20 6.63	−29 51.9	1.638	2.503	14.8	18.8
121421 1999 TR_{148}			7 28.0	359°.85	1°.3/28.8 18	
6 20	20 51.33	−14 10.2	1.773	2.613	15.3	19.2
6 30	20 48.25	−14 17.5	1.695	2.611	12.0	19.0
7 10	20 42.98	−14 35.8	1.638	2.610	8.2	18.7
7 20	20 36.05	−15 3.1	1.604	2.610	4.1	18.5
7 30	20 28.27	−15 36.1	1.596	2.610	1.4	18.3
8 9	20 20.68	−16 10.7	1.614	2.611	5.1	18.6
8 19	20 14.20	−16 43.4	1.657	2.613	9.2	18.8
8 29	20 9.66	−17 11.2	1.723	2.615	12.8	19.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
431869 2008 SV_{142}			7 28.0	339°.56	10°.9/22.1 18	
	h m	° ′			°	m
6 20	20 55.50	−38 24.4	1.301	2.173	17.9	19.7
6 30	20 53.24	−39 57.4	1.236	2.159	15.0	19.5
7 10	20 47.30	−41 24.5	1.190	2.147	12.4	19.3
7 20	20 38.31	−42 34.0	1.165	2.136	10.9	19.2
7 30	20 27.68	−43 14.4	1.161	2.125	11.6	19.2
8 9	20 17.35	−43 19.8	1.178	2.116	13.9	19.3
8 19	20 9.12	−42 50.3	1.214	2.108	17.0	19.4
8 29	20 4.34	−41 51.4	1.268	2.102	20.1	19.6
25379 1999 TL_{210}			7 28.0	261°.64	4°.6/25.6 18	
6 20	21 1.36	−30 39.9	2.075	2.912	13.5	18.0
6 30	20 56.10	−31 11.0	1.981	2.895	10.7	17.8
7 10	20 48.31	−31 40.9	1.909	2.876	7.7	17.5
7 20	20 38.52	−32 4.0	1.862	2.858	5.1	17.4
7 30	20 27.65	−32 15.0	1.843	2.838	4.9	17.3
8 9	20 16.87	−32 10.6	1.850	2.819	7.5	17.4
8 19	20 7.32	−31 50.1	1.883	2.799	10.7	17.6
8 29	19 59.97	−31 15.1	1.939	2.779	13.8	17.8
95699 2002 JA_{84}			7 28.0	303°.81	4°.7/24.9 18	
6 20	20 55.83	−31 5.1	2.217	3.061	12.5	19.7
6 30	20 51.57	−31 50.6	2.136	3.053	9.9	19.5
7 10	20 45.13	−32 35.1	2.078	3.045	7.2	19.3
7 20	20 37.01	−33 13.3	2.045	3.037	5.0	19.2
7 30	20 28.04	−33 40.3	2.039	3.030	5.1	19.2
8 9	20 19.23	−33 52.7	2.059	3.022	7.3	19.3
8 19	20 11.51	−33 49.5	2.104	3.015	10.1	19.5
8 29	20 5.72	−33 31.6	2.172	3.008	12.8	19.6
441446 2008 HS_{57}			7 28.0	93°.80	0°.5/27.6 18	
6 20	20 52.61	−17 8.1	2.300	3.131	12.5	21.3
6 30	20 48.74	−17 54.4	2.223	3.136	9.7	21.2
7 10	20 43.06	−18 49.0	2.167	3.141	6.4	21.0
7 20	20 36.02	−19 48.5	2.138	3.146	2.9	20.7
7 30	20 28.31	−20 48.6	2.137	3.151	1.0	20.6
8 9	20 20.71	−21 45.0	2.164	3.156	4.6	20.9
8 19	20 14.01	−22 34.2	2.218	3.161	8.0	21.1
8 29	20 8.89	−23 14.1	2.297	3.166	11.0	21.3
254336 2004 SS_{42}			7 28.0	254°.73	6°.1/ 1.9 18	
6 20	20 50.84	+ 1 57.5	2.501	3.252	13.8	20.4
6 30	20 47.22	+ 2 12.4	2.406	3.245	11.8	20.3
7 10	20 42.00	+ 2 11.2	2.330	3.238	9.6	20.1
7 20	20 35.54	+ 1 52.7	2.277	3.230	7.4	20.0
7 30	20 28.43	+ 1 17.1	2.250	3.223	6.2	19.9
8 9	20 21.34	+ 0 26.6	2.249	3.215	6.5	19.9
8 19	20 14.97	− 0 35.1	2.275	3.208	8.3	20.0
8 29	20 9.93	− 1 43.5	2.326	3.200	10.6	20.1
93803 2000 WL_{49}			7 28.0	270°.06	2°.1/28.9 18	
6 20	20 58.75	−13 59.3	2.008	2.826	14.6	19.1
6 30	20 53.96	−13 35.5	1.901	2.803	11.7	18.8
7 10	20 46.86	−13 19.1	1.815	2.780	8.2	18.6
7 20	20 37.89	−13 9.5	1.754	2.756	4.4	18.3
7 30	20 27.83	−13 5.2	1.720	2.732	2.2	18.1
8 9	20 17.70	−13 4.5	1.714	2.708	5.4	18.3
8 19	20 8.53	−13 5.5	1.734	2.683	9.4	18.5
8 29	20 1.27	−13 6.4	1.779	2.658	13.1	18.6
444977 2008 EH_{115}			7 28.0	44°.86	4°.3/26.2 15	
6 20	21 0.66	−30 6.0	1.796	2.642	14.8	20.9
6 30	20 55.26	−30 23.4	1.747	2.666	11.5	20.7
7 10	20 47.43	−30 37.8	1.720	2.690	8.0	20.6
7 20	20 37.94	−30 44.4	1.717	2.715	5.0	20.5
7 30	20 27.88	−30 39.2	1.740	2.740	4.5	20.5
8 9	20 18.45	−30 20.5	1.789	2.765	7.1	20.7
8 19	20 10.63	−29 49.3	1.864	2.791	10.2	20.9
8 29	20 5.15	−29 7.8	1.962	2.817	13.1	21.2
46165 2001 FF_{80}			7 28.0	143°.07	0°.9/28.6 18	
6 20	20 57.99	−15 31.1	2.385	3.199	12.7	19.9
6 30	20 52.67	−15 31.8	2.308	3.210	9.9	19.7
7 10	20 45.54	−15 39.2	2.254	3.220	6.7	19.5
7 20	20 37.11	−15 51.5	2.226	3.230	3.3	19.3
7 30	20 28.07	−16 6.5	2.226	3.240	1.0	19.1
8 9	20 19.25	−16 21.6	2.255	3.249	4.2	19.4
8 19	20 11.42	−16 34.9	2.312	3.257	7.6	19.6
8 29	20 5.20	−16 45.1	2.394	3.265	10.5	19.8
162359 1999 YH_{22}			7 28.0	292°.62	0°.1/27.9 18	
6 20	20 55.19	−17 57.8	1.808	2.649	15.0	21.1
6 30	20 51.48	−18 9.8	1.710	2.629	11.8	20.9
7 10	20 45.34	−18 30.1	1.633	2.609	8.0	20.6
7 20	20 37.24	−18 56.2	1.581	2.589	3.7	20.3
7 30	20 28.00	−19 24.2	1.554	2.568	1.0	20.1
8 9	20 18.73	−19 49.9	1.553	2.548	5.6	20.3
8 19	20 10.54	−20 10.2	1.578	2.528	10.0	20.6
8 29	20 4.42	−20 23.1	1.626	2.508	14.0	20.8