2020	α_{2000}	δ_{2000}	Δ	r	β	V
261671	2005 YH_{163}		10	3.9	148.°77	5.°0/27.2 18
	h m	° ′			°	m
8 29	1 1.87	−11 40.2	2.674	3.531	10.0	20.5
9 8	0 57.31	−12 47.9	2.618	3.538	7.7	20.4
9 18	0 51.36	−13 53.8	2.587	3.544	5.8	20.3
9 28	0 44.50	−14 52.5	2.584	3.550	5.0	20.2
10 8	0 37.35	−15 38.8	2.610	3.556	6.0	20.3
10 18	0 30.56	−16 9.4	2.663	3.562	8.0	20.4
10 28	0 24.74	−16 22.3	2.742	3.567	10.2	20.6
11 7	0 20.35	−16 17.5	2.843	3.572	12.1	20.8
477176	2009 FX_{34}		10	3.9	292.°37	2.°9/ 1.8 18
8 29	1 8.46	− 2 59.4	1.837	2.693	13.9	20.8
9 8	1 3.03	− 3 11.3	1.759	2.684	10.5	20.5
9 18	0 55.37	− 3 26.9	1.703	2.676	6.8	20.3
9 28	0 46.12	− 3 41.5	1.673	2.668	3.3	20.1
10 8	0 36.25	− 3 50.4	1.671	2.659	4.0	20.1
10 18	0 26.80	− 3 49.2	1.697	2.651	7.8	20.3
10 28	0 18.81	− 3 35.1	1.749	2.643	11.6	20.5
11 7	0 13.00	− 3 6.7	1.824	2.635	14.9	20.7
296463	2009 HT_{83}		10	3.9	84.°48	0.°8/ 4.9 18
8 29	1 0.76	+11 11.2	2.003	2.830	14.0	20.6
9 8	0 56.97	+10 18.2	1.930	2.837	10.8	20.4
9 18	0 51.37	+ 9 8.3	1.880	2.844	7.1	20.2
9 28	0 44.55	+ 7 45.7	1.856	2.850	3.0	19.9
10 8	0 37.32	+ 6 16.6	1.859	2.857	1.5	19.8
10 18	0 30.52	+ 4 48.5	1.892	2.863	5.5	20.1
10 28	0 24.95	+ 3 28.8	1.952	2.870	9.2	20.4
11 7	0 21.19	+ 2 23.0	2.037	2.876	12.5	20.6
22427	1996 DB		10	3.9	114.°93	4.°3/ 9.4 18
8 29	1 8.56	+21 21.1	2.991	3.727	11.9	19.7
9 8	1 2.27	+21 49.0	2.916	3.749	9.8	19.5
9 18	0 54.48	+22 2.7	2.865	3.771	7.6	19.4
9 28	0 45.70	+22 1.7	2.839	3.791	5.5	19.3
10 8	0 36.57	+21 47.0	2.843	3.812	4.3	19.3
10 18	0 27.80	+21 21.3	2.877	3.831	4.9	19.3
10 28	0 20.05	+20 48.4	2.941	3.851	6.8	19.5
11 7	0 13.81	+20 13.1	3.032	3.869	8.9	19.6
267775	2003 SH_{82}		10	3.9	305.°39	1.°6/ 5.1 17
8 29	1 11.46	+ 7 14.4	2.119	2.936	13.7	20.0
9 8	1 5.38	+ 7 55.5	2.010	2.910	10.7	19.7
9 18	0 57.00	+ 8 29.5	1.924	2.883	7.3	19.5
9 28	0 46.83	+ 8 56.2	1.865	2.857	3.5	19.2
10 8	0 35.73	+ 9 16.9	1.835	2.831	2.1	19.0
10 18	0 24.71	+ 9 33.4	1.836	2.805	5.8	19.2
10 28	0 14.86	+ 9 49.0	1.864	2.779	9.8	19.4
11 7	0 7.05	+10 7.0	1.919	2.754	13.3	19.6
204785	2006 KT_{102}		10	3.9	189.°02	1.°8/ 6.0 18 R
8 29	1 2.65	+13 51.2	2.091	2.901	14.1	20.5
9 8	0 58.42	+13 9.5	2.007	2.900	11.1	20.3
9 18	0 52.32	+12 9.6	1.944	2.899	7.6	20.1
9 28	0 44.94	+10 54.2	1.908	2.898	3.8	19.9
10 8	0 37.07	+ 9 28.6	1.901	2.896	2.0	19.7
10 18	0 29.57	+ 7 59.7	1.922	2.894	5.3	20.0
10 28	0 23.29	+ 6 35.3	1.972	2.892	9.0	20.2
11 7	0 18.83	+ 5 21.9	2.046	2.889	12.3	20.4
383129	2005 TZ_{154}		10	4.0	304.°14	2.°1/ 5.4 18
8 29	1 6.71	+ 9 38.0	1.468	2.310	17.4	20.8
9 8	1 2.46	+ 9 54.1	1.382	2.295	13.8	20.5
9 18	0 55.43	+ 9 54.4	1.316	2.281	9.3	20.2
9 28	0 46.28	+ 9 39.8	1.273	2.266	4.5	19.9
10 8	0 36.13	+ 9 13.9	1.256	2.252	2.5	19.7
10 18	0 26.32	+ 8 42.4	1.264	2.239	7.1	20.0
10 28	0 18.20	+ 8 12.7	1.298	2.225	12.0	20.2
11 7	0 12.77	+ 7 51.6	1.353	2.212	16.4	20.5
316131	2009 SW_{15}		10	4.0	42.°94	2.°4/ 6.4 18
8 29	1 3.58	+12 45.2	2.091	2.904	14.0	20.2
9 8	0 59.08	+12 50.2	2.016	2.910	11.0	20.0
9 18	0 52.73	+12 40.8	1.963	2.916	7.6	19.8
9 28	0 45.09	+12 18.2	1.936	2.923	4.2	19.6
10 8	0 36.99	+11 45.6	1.935	2.929	2.5	19.5
10 18	0 29.29	+11 7.5	1.963	2.936	5.2	19.7
10 28	0 22.82	+10 29.5	2.019	2.943	8.6	20.0
11 7	0 18.20	+ 9 56.7	2.099	2.950	11.7	20.2
325072	2008 DD_1		10	4.0	128.°77	2.°5/ 1.7 17
8 29	1 7.30	+ 1 17.4	1.789	2.640	14.4	21.3
9 8	1 1.95	+ 0 14.8	1.731	2.655	10.7	21.1
9 18	0 54.53	− 0 57.1	1.696	2.670	6.7	20.9
9 28	0 45.75	− 2 11.6	1.688	2.684	3.0	20.7
10 8	0 36.59	− 3 21.3	1.708	2.697	3.8	20.8
10 18	0 28.04	− 4 19.3	1.756	2.710	7.6	21.0
10 28	0 21.03	− 5 0.4	1.831	2.722	11.3	21.3
11 7	0 16.14	− 5 22.4	1.928	2.733	14.5	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
327590	2006 DQ_{166}		10	4.0	310.°78	0.°0/ 4.1 18
	h m	° ′			°	m
8 29	1 4.78	+ 5 10.2	2.229	3.063	12.5	20.7
9 8	0 59.91	+ 5 10.2	2.146	3.058	9.6	20.5
9 18	0 53.23	+ 5 1.8	2.085	3.053	6.1	20.3
9 28	0 45.30	+ 4 47.1	2.052	3.049	2.4	20.0
10 8	0 36.86	+ 4 29.6	2.047	3.044	1.5	20.0
10 18	0 28.75	+ 4 13.0	2.071	3.039	5.4	20.2
10 28	0 21.76	+ 4 1.2	2.123	3.035	8.9	20.4
11 7	0 16.52	+ 3 57.4	2.199	3.030	12.0	20.6
71040	1999 XG_{74}		10	4.0	275.°54	1.°3/ 5.3 18
8 29	1 3.81	+10 44.6	1.986	2.810	14.2	19.5
9 8	0 59.62	+10 23.4	1.882	2.786	11.2	19.3
9 18	0 53.32	+ 9 46.0	1.800	2.762	7.5	19.0
9 28	0 45.42	+ 8 54.4	1.744	2.737	3.5	18.7
10 8	0 36.74	+ 7 53.0	1.715	2.712	1.8	18.6
10 18	0 28.25	+ 6 47.9	1.715	2.687	5.9	18.8
10 28	0 20.94	+ 5 46.3	1.742	2.661	10.0	19.0
11 7	0 15.60	+ 4 54.6	1.793	2.635	13.8	19.2
224642	2005 YK_{190}		10	4.0	54.°24	1.°6/ 5.7 18
8 29	1 2.55	+10 59.6	2.137	2.957	13.5	20.5
9 8	0 58.25	+10 49.3	2.062	2.963	10.5	20.3
9 18	0 52.17	+10 25.4	2.010	2.969	7.0	20.1
9 28	0 44.88	+ 9 50.0	1.984	2.976	3.4	19.9
10 8	0 37.17	+ 9 7.1	1.986	2.982	1.8	19.8
10 18	0 29.84	+ 8 21.4	2.016	2.988	5.1	20.0
10 28	0 23.71	+ 7 38.6	2.074	2.995	8.6	20.3
11 7	0 19.33	+ 7 3.3	2.156	3.001	11.7	20.5
511428	2014 HM_{188}		10	4.0	101.°57	2.°4/ 1.8 18
8 29	1 4.40	− 0 5.5	1.922	2.777	13.3	21.7
9 8	0 59.75	− 0 45.4	1.856	2.782	10.0	21.5
9 18	0 53.16	− 1 32.3	1.813	2.787	6.3	21.3
9 28	0 45.26	− 2 21.1	1.796	2.792	2.9	21.1
10 8	0 36.93	− 3 5.8	1.807	2.797	3.6	21.2
10 18	0 29.07	− 3 40.9	1.846	2.801	7.2	21.4
10 28	0 22.56	− 4 2.2	1.911	2.806	10.7	21.6
11 7	0 17.98	− 4 7.6	1.999	2.810	13.8	21.8
161624	2005 WB_{202}		10	4.0	195.°74	0.°3/ 3.6 18
8 29	1 2.28	+ 5 11.6	2.725	3.554	10.6	21.8
9 8	0 57.69	+ 4 43.5	2.641	3.552	8.1	21.6
9 18	0 51.67	+ 4 7.1	2.581	3.549	5.1	21.4
9 28	0 44.68	+ 3 25.3	2.549	3.546	1.9	21.2
10 8	0 37.32	+ 2 41.8	2.547	3.543	1.5	21.2
10 18	0 30.22	+ 2 0.6	2.575	3.539	4.7	21.4
10 28	0 24.03	+ 1 25.8	2.631	3.535	7.8	21.6
11 7	0 19.24	+ 1 0.3	2.713	3.530	10.4	21.8
25522	Roisen		10	4.0	291.°98	2.°7/ 1.7 18
8 29	1 4.25	− 0 25.5	1.767	2.628	14.1	18.7
9 8	0 59.94	− 1 4.5	1.690	2.619	10.6	18.5
9 18	0 53.46	− 1 51.4	1.635	2.611	6.7	18.3
9 28	0 45.44	− 2 40.7	1.606	2.602	3.1	18.0
10 8	0 36.80	− 3 25.8	1.605	2.594	4.0	18.1
10 18	0 28.57	− 4 0.7	1.630	2.586	7.9	18.3
10 28	0 21.74	− 4 20.3	1.681	2.577	11.8	18.5
11 7	0 17.02	− 4 22.2	1.753	2.569	15.2	18.7
509190	2006 KT_{112}		10	4.0	52.°48	8.°7/25.2 18
8 29	1 2.45	−13 20.3	1.512	2.394	14.9	20.7
9 8	0 58.58	−15 25.2	1.483	2.413	11.7	20.6
9 18	0 52.48	−17 24.1	1.476	2.432	9.3	20.5
9 28	0 44.98	−19 5.3	1.494	2.452	8.8	20.5
10 8	0 37.17	−20 19.3	1.537	2.472	10.4	20.7
10 18	0 30.11	−21 1.1	1.604	2.492	13.0	20.9
10 28	0 24.74	−21 10.2	1.692	2.513	15.6	21.1
11 7	0 21.60	−20 49.6	1.798	2.533	17.9	21.3
46950	1998 SA_{118}		10	4.0	308.°19	0.°7/ 4.5 18
8 29	1 6.51	+ 6 35.8	1.723	2.564	15.3	17.7
9 8	1 1.82	+ 6 42.9	1.638	2.553	11.8	17.4
9 18	0 54.77	+ 6 38.4	1.575	2.543	7.7	17.2
9 28	0 45.99	+ 6 24.3	1.537	2.533	3.2	16.9
10 8	0 36.44	+ 6 4.6	1.526	2.523	1.8	16.8
10 18	0 27.26	+ 5 44.0	1.542	2.513	6.4	17.0
10 28	0 19.54	+ 5 28.0	1.584	2.504	10.8	17.3
11 7	0 14.10	+ 5 21.3	1.650	2.495	14.6	17.5
41367	2000 AP_{99}		10	4.0	295.°56	1.°7/ 6.0 18
8 29	0 59.76	+13 17.7	2.159	2.975	13.5	18.4
9 8	0 56.25	+12 41.8	2.068	2.966	10.6	18.2
9 18	0 50.99	+11 48.7	2.000	2.956	7.3	18.0
9 28	0 44.48	+10 40.9	1.957	2.947	3.7	17.8
10 8	0 37.46	+ 9 23.1	1.942	2.938	1.9	17.6
10 18	0 30.74	+ 8 1.7	1.956	2.930	5.1	17.8
10 28	0 25.10	+ 6 43.8	1.998	2.921	8.7	18.0
11 7	0 21.17	+ 5 35.7	2.065	2.912	12.0	18.2

72458 2001 DA_{16} 10 4.0 52.°29 7.°8/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.39	−12 27.6	1.614	2.492	14.3	19.1
9 8	0 59.28	−14 4.1	1.570	2.500	11.2	19.0
9 18	0 52.97	−15 37.3	1.548	2.508	8.7	18.8
9 28	0 45.21	−16 57.1	1.552	2.516	7.9	18.8
10 8	0 37.04	−17 54.8	1.580	2.525	9.3	18.9
10 18	0 29.53	−18 25.0	1.633	2.534	12.0	19.1
10 28	0 23.60	−18 26.3	1.708	2.543	14.9	19.3
11 7	0 19.89	−18 0.7	1.802	2.552	17.4	19.5

352890 2008 YJ_{37} 10 4.0 315.°52 2.°6/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.61	+ 1 26.2	1.492	2.363	15.7	20.8
9 8	0 58.44	+ 0 39.2	1.409	2.343	11.9	20.5
9 18	0 52.79	− 0 20.4	1.346	2.324	7.5	20.2
9 28	0 45.29	− 1 26.5	1.308	2.305	3.3	19.9
10 8	0 36.95	− 2 30.7	1.296	2.287	4.1	19.9
10 18	0 28.95	− 3 24.4	1.309	2.269	8.8	20.2
10 28	0 22.48	− 4 0.4	1.346	2.252	13.4	20.4
11 7	0 18.42	− 4 14.6	1.403	2.236	17.4	20.6

15663 Periphas 10 4.0 338.°74 0.°3/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.27	+ 2 35.1	3.885	4.707	7.9	17.7
9 8	0 57.26	+ 2 43.5	3.796	4.703	5.9	17.5
9 18	0 51.23	+ 2 48.4	3.732	4.699	3.7	17.4
9 28	0 44.51	+ 2 51.1	3.699	4.696	1.4	17.2
10 8	0 37.52	+ 2 53.4	3.696	4.692	1.1	17.2
10 18	0 30.71	+ 2 56.8	3.725	4.689	3.5	17.3
10 28	0 24.53	+ 3 3.2	3.785	4.686	5.7	17.5
11 7	0 19.34	+ 3 14.0	3.871	4.683	7.7	17.6

136125 2003 QU_{65} 10 4.0 334.°91 3.°8/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.75	− 1 57.2	1.579	2.451	14.9	19.7
9 8	0 58.99	− 2 57.2	1.512	2.447	11.2	19.4
9 18	0 52.93	− 4 5.2	1.466	2.443	7.2	19.2
9 28	0 45.27	− 5 13.9	1.446	2.439	4.0	19.0
10 8	0 37.01	− 6 14.6	1.451	2.435	5.3	19.1
10 18	0 29.25	− 7 0.2	1.483	2.432	9.1	19.3
10 28	0 23.03	− 7 25.3	1.538	2.429	13.1	19.5
11 7	0 19.05	− 7 28.1	1.615	2.427	16.5	19.8

249044 Barrymarshall 10 4.0 38.°17 2.°2/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.93	+12 47.9	0.967	1.834	22.4	19.5
9 8	0 59.99	+12 19.4	0.926	1.852	17.4	19.3
9 18	0 53.86	+11 22.0	0.902	1.872	11.7	19.0
9 28	0 45.62	+10 1.3	0.898	1.892	5.5	18.8
10 8	0 36.86	+ 8 28.2	0.916	1.913	2.7	18.7
10 18	0 29.17	+ 6 56.1	0.958	1.936	8.0	19.1
10 28	0 23.87	+ 5 37.6	1.022	1.959	13.4	19.5
11 7	0 21.65	+ 4 40.9	1.105	1.982	17.9	19.8

430699 2004 BM_{100} 10 4.0 168.°15 2.°0/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.29	+11 58.0	1.930	2.742	15.0	22.5
9 8	1 2.83	+11 47.8	1.851	2.747	11.8	22.2
9 18	0 55.23	+11 21.7	1.795	2.750	8.0	22.0
9 28	0 46.13	+10 41.4	1.764	2.754	4.0	21.8
10 8	0 36.46	+ 9 51.2	1.761	2.756	2.2	21.7
10 18	0 27.25	+ 8 56.9	1.787	2.758	5.7	21.9
10 28	0 19.47	+ 8 5.1	1.840	2.759	9.6	22.2
11 7	0 13.80	+ 7 21.8	1.918	2.760	13.1	22.4

389497 2010 FG_{22} 10 4.0 12.°91 2.°6/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.31	+ 0 10.1	1.508	2.377	15.7	20.6
9 8	1 0.21	− 0 26.6	1.445	2.378	11.8	20.4
9 18	0 53.71	− 1 12.1	1.403	2.380	7.4	20.2
9 28	0 45.57	− 2 0.4	1.386	2.382	3.3	19.9
10 8	0 36.84	− 2 44.1	1.394	2.385	4.0	20.0
10 18	0 28.71	− 3 16.5	1.428	2.388	8.3	20.2
10 28	0 22.22	− 3 32.5	1.487	2.392	12.5	20.5
11 7	0 18.11	− 3 30.0	1.567	2.396	16.1	20.7

143907 2003 YV_{63} 10 4.0 284.°88 5.°4/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.16	− 4 48.1	1.427	2.304	15.9	19.6
9 8	1 1.11	− 5 58.8	1.358	2.295	12.1	19.4
9 18	0 54.45	− 7 16.1	1.311	2.286	8.1	19.2
9 28	0 45.90	− 8 30.8	1.288	2.277	5.5	19.0
10 8	0 36.60	− 9 32.9	1.291	2.268	7.0	19.1
10 18	0 27.83	−10 14.1	1.318	2.259	10.9	19.3
10 28	0 20.81	−10 29.4	1.369	2.250	15.0	19.5
11 7	0 16.35	−10 18.3	1.439	2.242	18.6	19.7

31777 Amywinegar 10 4.0 61.°99 1.°6/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.68	+ 2 19.5	1.965	2.817	13.2	18.5
9 8	0 58.44	+ 1 38.5	1.897	2.822	9.9	18.3
9 18	0 52.35	+ 0 48.5	1.853	2.827	6.2	18.1
9 28	0 45.00	− 0 5.6	1.835	2.832	2.5	17.8
10 8	0 37.23	− 0 58.0	1.845	2.837	2.9	17.9
10 18	0 29.90	− 1 43.0	1.882	2.842	6.6	18.1
10 28	0 23.84	− 2 15.7	1.946	2.848	10.2	18.4
11 7	0 19.64	− 2 33.2	2.034	2.853	13.3	18.6

256607 2007 VW_{52} 10 4.0 45.°16 0.°7/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.65	+10 39.8	1.025	1.893	21.4	20.1
9 8	1 0.33	+ 9 49.5	0.984	1.913	16.3	19.9
9 18	0 53.98	+ 8 33.7	0.961	1.935	10.5	19.6
9 28	0 45.65	+ 6 59.6	0.960	1.957	4.3	19.4
10 8	0 36.88	+ 5 19.4	0.982	1.979	2.3	19.3
10 18	0 29.15	+ 3 46.2	1.028	2.003	8.2	19.7
10 28	0 23.72	+ 2 31.0	1.096	2.027	13.4	20.1
11 7	0 21.24	+ 1 40.3	1.185	2.051	17.8	20.5

261425 2005 UN_{510} 10 4.0 108.°21 4.°2/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.39	− 7 24.6	2.201	3.058	11.8	20.6
9 8	1 0.24	− 8 3.0	2.139	3.064	9.0	20.4
9 18	0 53.37	− 8 41.8	2.101	3.070	6.1	20.2
9 28	0 45.37	− 9 15.7	2.091	3.075	4.2	20.1
10 8	0 37.02	− 9 39.8	2.109	3.081	5.2	20.2
10 18	0 29.12	− 9 50.4	2.155	3.087	7.8	20.4
10 28	0 22.45	− 9 45.3	2.226	3.092	10.7	20.6
11 7	0 17.54	− 9 24.3	2.321	3.098	13.2	20.8

295520 2008 RP_{112} 10 4.0 327.°04 1.°6/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 55.78	+14 5.0	4.014	4.802	8.2	20.8
9 8	0 52.47	+13 55.0	3.919	4.797	6.5	20.7
9 18	0 48.24	+13 36.2	3.848	4.792	4.6	20.5
9 28	0 43.40	+13 9.9	3.805	4.787	2.6	20.4
10 8	0 38.30	+12 37.7	3.790	4.782	1.6	20.3
10 18	0 33.36	+12 2.1	3.806	4.777	3.0	20.4
10 28	0 28.96	+11 25.8	3.852	4.773	5.0	20.5
11 7	0 25.45	+10 51.7	3.925	4.768	6.9	20.7

95556 2002 EA_{97} 10 4.0 156.°18 1.°8/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.08	+13 33.2	2.344	3.151	12.8	19.8
9 8	0 57.05	+13 1.7	2.261	3.153	10.1	19.6
9 18	0 51.40	+12 14.8	2.202	3.155	6.9	19.4
9 28	0 44.65	+11 14.8	2.168	3.157	3.6	19.2
10 8	0 37.48	+10 6.0	2.163	3.159	1.9	19.1
10 18	0 30.66	+ 8 53.9	2.188	3.160	4.7	19.3
10 28	0 24.89	+ 7 44.7	2.241	3.162	8.0	19.5
11 7	0 20.72	+ 6 43.9	2.319	3.163	11.0	19.7

67378 2000 OC_3 10 4.0 127.°66 16.°5/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.60	+39 28.9	1.347	2.030	26.0	19.1
9 8	1 8.99	+41 27.0	1.280	2.035	23.9	18.9
9 18	1 0.34	+42 49.3	1.225	2.039	21.5	18.7
9 28	0 48.42	+43 24.7	1.185	2.043	19.1	18.6
10 8	0 34.90	+43 6.4	1.162	2.047	17.3	18.5
10 18	0 21.98	+41 55.2	1.158	2.051	16.5	18.5
10 28	0 11.80	+40 1.4	1.175	2.055	17.1	18.5
11 7	0 5.68	+37 42.5	1.210	2.058	18.7	18.6

513748 2012 UJ_{133} 10 4.0 296.°28 4.°0/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.91	+14 40.1	1.692	2.504	16.7	20.9
9 8	1 2.34	+15 9.1	1.603	2.494	13.5	20.7
9 18	0 55.25	+15 20.7	1.535	2.483	9.8	20.4
9 28	0 46.26	+15 14.3	1.490	2.472	6.0	20.2
10 8	0 36.38	+14 51.6	1.472	2.462	4.1	20.1
10 18	0 26.82	+14 17.2	1.480	2.451	6.7	20.2
10 28	0 18.77	+13 38.0	1.514	2.441	10.7	20.4
11 7	0 13.14	+13 1.5	1.571	2.431	14.5	20.6

9463 Criscione 10 4.0 94.°29 0.°4/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.80	+ 7 50.0	2.119	2.951	13.1	18.9
9 8	0 58.45	+ 7 24.5	2.046	2.956	10.1	18.8
9 18	0 52.33	+ 6 47.0	1.995	2.962	6.5	18.6
9 28	0 45.01	+ 6 0.5	1.971	2.967	2.6	18.3
10 8	0 37.27	+ 5 9.8	1.975	2.972	1.5	18.2
10 18	0 29.93	+ 4 20.3	2.008	2.977	5.4	18.5
10 28	0 23.78	+ 3 37.3	2.068	2.983	9.0	18.8
11 7	0 19.39	+ 3 5.0	2.153	2.988	12.1	19.0

157821 1996 TA_{24} 10 4.0 76.°97 0.°1/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.73	+ 7 0.1	1.623	2.468	15.9	20.5
9 8	1 1.12	+ 6 36.7	1.559	2.477	12.1	20.3
9 18	0 54.22	+ 5 59.1	1.516	2.486	7.8	20.0
9 28	0 45.77	+ 5 11.3	1.498	2.495	3.0	19.8
10 8	0 36.80	+ 4 19.3	1.507	2.504	1.9	19.7
10 18	0 28.42	+ 3 30.2	1.543	2.513	6.6	20.0
10 28	0 21.65	+ 2 50.3	1.605	2.522	10.9	20.3
11 7	0 17.17	+ 2 24.3	1.689	2.531	14.5	20.6

137458 1999 TD_{290} 10 4.0 283.°42 0.°8/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.05	+ 6 32.0	1.467	2.324	16.6	19.6
9 8	0 59.56	+ 5 39.7	1.386	2.312	12.7	19.3
9 18	0 53.52	+ 4 28.7	1.325	2.299	8.1	19.0
9 28	0 45.60	+ 3 4.5	1.289	2.287	3.0	18.7
10 8	0 36.85	+ 1 35.7	1.279	2.275	2.7	18.6
10 18	0 28.52	+ 0 12.5	1.295	2.262	8.0	18.9
10 28	0 21.81	− 0 55.8	1.335	2.250	12.9	19.1
11 7	0 17.57	− 1 42.8	1.397	2.238	17.1	19.4

130214 2000 AC_{227} 10 4.0 251.°00 0.°0/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.46	+ 6 43.5	2.535	3.364	11.3	21.8
9 8	0 57.27	+ 6 16.2	2.444	3.354	8.7	21.6
9 18	0 51.53	+ 5 38.9	2.377	3.344	5.6	21.3
9 28	0 44.72	+ 4 54.2	2.337	3.333	2.1	21.1
10 8	0 37.46	+ 4 6.3	2.326	3.322	1.4	21.0
10 18	0 30.44	+ 3 19.6	2.344	3.312	4.9	21.3
10 28	0 24.35	+ 2 38.6	2.391	3.301	8.2	21.5
11 7	0 19.74	+ 2 7.1	2.463	3.289	11.0	21.6

20375 Sherrigerten 10 4.0 249.°66 3.°9/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.20	+17 27.0	1.883	2.681	15.9	18.6
9 8	0 59.98	+17 25.5	1.794	2.674	12.9	18.4
9 18	0 53.57	+17 3.8	1.726	2.667	9.4	18.1
9 28	0 45.57	+16 22.0	1.681	2.659	5.9	17.9
10 8	0 36.89	+15 23.3	1.663	2.652	3.9	17.8
10 18	0 28.54	+14 13.5	1.673	2.645	6.0	17.9
10 28	0 21.56	+13 0.7	1.709	2.637	9.6	18.1
11 7	0 16.68	+11 52.9	1.770	2.629	13.2	18.3

41856 2000 WL_{90} 10 4.0 299.°30 1.°0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.58	+ 3 26.8	2.106	2.952	12.7	19.2
9 8	0 58.34	+ 2 55.8	2.028	2.949	9.6	19.0
9 18	0 52.30	+ 2 15.6	1.974	2.947	6.0	18.8
9 28	0 45.03	+ 1 30.1	1.946	2.944	2.3	18.5
10 8	0 37.28	+ 0 44.3	1.947	2.941	2.3	18.5
10 18	0 29.89	+ 0 3.5	1.975	2.938	6.1	18.8
10 28	0 23.66	− 0 27.5	2.031	2.936	9.6	19.0
11 7	0 19.19	− 0 45.6	2.110	2.933	12.7	19.2

13583 Bosret 10 4.0 91.°42 1.°5/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.59	+ 2 15.4	1.874	2.725	13.8	18.0
9 8	1 0.00	+ 1 42.5	1.805	2.729	10.4	17.8
9 18	0 53.41	+ 1 0.6	1.759	2.733	6.5	17.6
9 28	0 45.45	+ 0 14.2	1.739	2.736	2.5	17.4
10 8	0 37.02	− 0 30.7	1.746	2.740	2.8	17.4
10 18	0 29.06	− 1 8.5	1.782	2.743	6.8	17.7
10 28	0 22.46	− 1 34.4	1.844	2.747	10.6	17.9
11 7	0 17.86	− 1 45.6	1.928	2.750	13.8	18.1

397929 2008 WA_{60} 10 4.0 332.°74 2.°3/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.54	+13 50.4	1.529	2.363	17.2	20.1
9 8	0 57.55	+13 20.6	1.449	2.356	13.6	19.9
9 18	0 52.18	+12 27.6	1.389	2.349	9.4	19.6
9 28	0 45.07	+11 13.8	1.352	2.343	4.8	19.3
10 8	0 37.24	+ 9 45.8	1.341	2.337	2.5	19.2
10 18	0 29.85	+ 8 12.7	1.356	2.332	6.5	19.4
10 28	0 24.02	+ 6 44.9	1.397	2.327	11.1	19.6
11 7	0 20.52	+ 5 31.2	1.460	2.323	15.2	19.9

117227 2004 RG_{326} 10 4.0 241.°57 1.°2/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.30	+ 8 58.2	2.432	3.248	12.2	19.5
9 8	1 0.24	+ 9 4.5	2.343	3.242	9.5	19.3
9 18	0 53.46	+ 9 0.9	2.278	3.237	6.3	19.1
9 28	0 45.47	+ 8 48.5	2.239	3.232	2.9	18.9
10 8	0 36.99	+ 8 30.1	2.230	3.226	1.6	18.8
10 18	0 28.78	+ 8 9.1	2.250	3.220	4.8	19.0
10 28	0 21.61	+ 7 49.5	2.298	3.215	8.1	19.2
11 7	0 16.08	+ 7 35.1	2.372	3.209	11.1	19.4

253482 2003 SM_{75} 10 4.0 0.°82 1.°0/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.76	+ 7 5.0	0.964	1.855	20.5	18.9
9 8	0 55.57	+ 6 10.6	0.907	1.851	15.6	18.6
9 18	0 51.29	+ 4 51.3	0.869	1.849	9.9	18.3
9 28	0 44.79	+ 3 15.2	0.850	1.849	3.6	17.9
10 8	0 37.46	+ 1 35.3	0.854	1.850	3.3	17.9
10 18	0 30.85	+ 0 5.7	0.880	1.853	9.5	18.3
10 28	0 26.38	− 1 1.3	0.926	1.857	15.2	18.6
11 7	0 24.91	− 1 39.5	0.991	1.863	19.9	18.9

330627 2008 ED_{74} 10 4.0 116.°53 1.°9/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.20	+ 1 36.4	1.699	2.549	15.1	20.9
9 8	1 3.53	+ 1 0.2	1.641	2.564	11.3	20.7
9 18	0 55.64	+ 0 15.1	1.606	2.579	7.1	20.5
9 28	0 46.29	− 0 33.5	1.596	2.593	2.9	20.3
10 8	0 36.52	− 1 19.1	1.614	2.607	3.3	20.3
10 18	0 27.42	− 1 55.6	1.661	2.620	7.4	20.6
10 28	0 19.97	− 2 18.4	1.733	2.633	11.3	20.9
11 7	0 14.79	− 2 25.0	1.828	2.645	14.6	21.1

144152 2004 BY_{96} 10 4.0 183.°43 3.°6/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.56	− 1 16.6	1.674	2.537	14.6	20.1
9 8	1 0.98	− 2 25.9	1.607	2.537	11.0	19.8
9 18	0 54.16	− 3 43.8	1.563	2.538	7.0	19.6
9 28	0 45.78	− 5 2.8	1.544	2.537	3.9	19.4
10 8	0 36.84	− 6 14.4	1.553	2.537	5.0	19.5
10 18	0 28.42	− 7 10.9	1.589	2.536	8.8	19.7
10 28	0 21.53	− 7 47.1	1.649	2.534	12.7	20.0
11 7	0 16.87	− 8 0.9	1.731	2.533	16.0	20.2

296219 2009 CY_{27} 10 4.0 314.°57 6.°6/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.08	+19 20.5	1.682	2.472	17.8	20.2
9 8	1 3.42	+20 21.4	1.592	2.460	14.9	20.0
9 18	0 56.08	+21 3.7	1.521	2.448	11.5	19.8
9 28	0 46.66	+21 24.1	1.473	2.437	8.3	19.6
10 8	0 36.19	+21 22.0	1.450	2.426	6.6	19.4
10 18	0 25.97	+21 0.1	1.453	2.415	7.9	19.5
10 28	0 17.31	+20 25.0	1.481	2.405	11.1	19.6
11 7	0 11.20	+19 45.1	1.532	2.395	14.6	19.8

405886 2006 EU_{67} 10 4.0 228.°17 1.°8/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.21	+ 0 59.3	2.423	3.271	11.2	21.7
9 8	0 57.09	+ 0 13.4	2.344	3.267	8.4	21.5
9 18	0 51.42	− 0 39.7	2.289	3.263	5.2	21.3
9 28	0 44.69	− 1 35.6	2.262	3.259	2.3	21.1
10 8	0 37.56	− 2 29.2	2.264	3.254	2.9	21.1
10 18	0 30.73	− 3 15.7	2.295	3.250	6.0	21.3
10 28	0 24.89	− 3 51.0	2.354	3.245	9.1	21.5
11 7	0 20.57	− 4 12.5	2.436	3.241	11.8	21.7

228122 2008 UH_{11} 10 4.0 310.°93 0.°1/ 4.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 55.82	+ 6 10.5	4.314	5.134	7.2	20.8
9 8	0 52.42	+ 5 54.5	4.226	5.132	5.4	20.6
9 18	0 48.19	+ 5 33.1	4.164	5.129	3.5	20.5
9 28	0 43.41	+ 5 8.1	4.131	5.127	1.4	20.3
10 8	0 38.42	+ 4 41.5	4.128	5.124	0.8	20.3
10 18	0 33.58	+ 4 15.4	4.155	5.122	3.0	20.4
10 28	0 29.24	+ 3 52.0	4.211	5.120	5.0	20.6
11 7	0 25.71	+ 3 33.2	4.295	5.117	6.8	20.7

497218 2004 XX_{102} 10 4.0 317.°77 18.°7/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.63	+40 26.4	1.133	1.845	28.7	20.7
9 8	1 2.73	+42 26.7	1.061	1.836	26.7	20.5
9 18	0 56.72	+43 47.4	1.000	1.827	24.4	20.2
9 28	0 47.20	+44 15.2	0.950	1.818	22.0	20.0
10 8	0 35.79	+43 40.8	0.916	1.810	19.9	19.9
10 18	0 24.80	+42 2.4	0.897	1.803	18.8	19.8
10 28	0 16.64	+39 30.5	0.896	1.796	19.1	19.8
11 7	0 12.82	+36 25.7	0.914	1.790	20.9	19.9

388177 2006 BM_{130} 10 4.0 97.°96 3.°6/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.20	+14 53.6	1.844	2.646	16.0	21.2
9 8	1 3.58	+15 13.4	1.776	2.660	12.8	21.0
9 18	0 55.74	+15 16.1	1.729	2.675	9.1	20.8
9 28	0 46.38	+15 1.7	1.707	2.689	5.4	20.7
10 8	0 36.50	+14 33.4	1.712	2.702	3.6	20.6
10 18	0 27.18	+13 55.8	1.746	2.716	5.9	20.7
10 28	0 19.41	+13 15.5	1.806	2.729	9.5	21.0
11 7	0 13.87	+12 38.9	1.891	2.742	12.8	21.2

513905 2013 YE_{30} 10 4.0 271.°27 1.°7/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.04	+11 17.6	1.752	2.579	15.7	22.4
9 8	1 0.86	+11 0.8	1.654	2.559	12.4	22.2
9 18	0 54.31	+10 26.0	1.578	2.539	8.4	21.9
9 28	0 45.96	+ 9 34.9	1.526	2.518	4.0	21.6
10 8	0 36.72	+ 8 32.1	1.501	2.497	2.1	21.4
10 18	0 27.72	+ 7 24.6	1.503	2.476	6.4	21.6
10 28	0 20.10	+ 6 20.6	1.532	2.455	10.9	21.9
11 7	0 14.72	+ 5 27.5	1.584	2.433	15.0	22.1

29035 2214 $T\text{-}_1$ 10 4.1 33.°11 0.°7/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.02	+ 6 35.9	1.320	2.183	17.7	18.0
9 8	0 59.54	+ 5 48.2	1.260	2.189	13.5	17.8
9 18	0 53.45	+ 4 42.5	1.220	2.195	8.5	17.5
9 28	0 45.56	+ 3 25.1	1.203	2.201	3.1	17.2
10 8	0 37.06	+ 2 5.1	1.212	2.208	2.6	17.2
10 18	0 29.24	+ 0 52.6	1.246	2.215	7.9	17.6
10 28	0 23.24	− 0 4.0	1.304	2.223	12.7	17.9
11 7	0 19.82	− 0 39.5	1.383	2.231	16.8	18.1

302727 2002 TG_{317} 10 4.1 295.°84 5.°3/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.02	+18 41.1	1.833	2.625	16.4	21.2
9 8	1 0.95	+19 9.0	1.728	2.600	13.7	20.9
9 18	0 54.45	+19 17.6	1.643	2.576	10.4	20.7
9 28	0 46.05	+19 5.2	1.581	2.552	7.1	20.5
10 8	0 36.65	+18 32.5	1.545	2.527	5.3	20.3
10 18	0 27.37	+17 43.4	1.535	2.503	6.9	20.3
10 28	0 19.41	+16 45.2	1.552	2.479	10.5	20.5
11 7	0 13.71	+15 46.3	1.592	2.455	14.2	20.7

81360 2000 GL_{58} 10 4.1 173.°72 1.°5/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.59	+12 31.0	2.203	3.015	13.4	20.2
9 8	0 58.31	+11 56.4	2.121	3.017	10.4	20.0
9 18	0 52.29	+11 6.1	2.061	3.018	7.1	19.8
9 28	0 45.06	+10 2.5	2.028	3.019	3.4	19.6
10 8	0 37.38	+ 8 50.6	2.023	3.020	1.7	19.4
10 18	0 30.06	+ 7 36.2	2.048	3.020	5.0	19.7
10 28	0 23.88	+ 6 26.1	2.101	3.020	8.6	19.9
11 7	0 19.43	+ 5 25.9	2.179	3.020	11.7	20.1

92955 2000 RK_{44} 10 4.1 126.°31 3.°6/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.94	+14 18.9	1.827	2.631	16.1	18.7
9 8	1 4.28	+14 46.4	1.752	2.637	12.9	18.5
9 18	0 56.28	+14 57.6	1.697	2.643	9.2	18.3
9 28	0 46.63	+14 52.2	1.668	2.649	5.5	18.1
10 8	0 36.35	+14 32.5	1.665	2.655	3.7	18.0
10 18	0 26.54	+14 2.9	1.690	2.661	6.1	18.1
10 28	0 18.27	+13 29.7	1.743	2.666	9.8	18.4
11 7	0 12.30	+12 59.1	1.820	2.671	13.2	18.6

315987 2009 DA_{16} 10 4.1 190.°31 0.°7/ 4.6 17

8 29	1 8.04	+ 8 47.8	1.521	2.361	17.0	21.8
9 8	1 3.21	+ 8 24.5	1.446	2.360	13.2	21.5
9 18	0 55.78	+ 7 43.7	1.392	2.359	8.6	21.3
9 28	0 46.48	+ 6 48.7	1.362	2.358	3.6	21.0
10 8	0 36.45	+ 5 46.2	1.359	2.357	1.9	20.9
10 18	0 26.95	+ 4 43.9	1.383	2.354	7.0	21.2
10 28	0 19.19	+ 3 50.3	1.432	2.352	11.8	21.5
11 7	0 13.97	+ 3 11.6	1.504	2.349	15.8	21.7

81278 2000 FK_{56} 10 4.1 332.°53 1.°8/ 2.5 18

8 29	1 4.95	+ 1 14.6	1.769	2.625	14.3	19.4
9 8	1 0.47	+ 0 49.6	1.695	2.621	10.8	19.2
9 18	0 53.84	+ 0 16.2	1.644	2.619	6.8	19.0
9 28	0 45.69	− 0 21.1	1.619	2.616	2.7	18.7
10 8	0 36.97	− 0 56.3	1.620	2.613	3.1	18.7
10 18	0 28.70	− 1 24.0	1.649	2.611	7.2	19.0
10 28	0 21.85	− 1 39.5	1.704	2.608	11.2	19.2
11 7	0 17.12	− 1 40.0	1.781	2.606	14.6	19.5

252868 2002 JR_5 10 4.1 160.°78 4.°4/28.5 18

8 29	1 1.90	− 7 57.8	2.484	3.343	10.6	20.4
9 8	0 57.52	− 9 4.2	2.421	3.346	8.0	20.2
9 18	0 51.65	−10 11.6	2.383	3.349	5.6	20.1
9 28	0 44.79	−11 14.2	2.373	3.352	4.4	20.0
10 8	0 37.59	−12 6.6	2.392	3.355	5.4	20.1
10 18	0 30.75	−12 44.5	2.439	3.357	7.7	20.2
10 28	0 24.92	−13 5.2	2.511	3.359	10.2	20.4
11 7	0 20.59	−13 8.1	2.606	3.361	12.5	20.6

374741 2006 SH_{130} 10 4.1 9.°26 3.°2/ 6.3 18

8 29	1 0.64	+12 53.7	1.042	1.906	21.4	20.5
9 8	0 58.43	+12 55.2	0.984	1.907	16.9	20.3
9 18	0 53.11	+12 30.0	0.943	1.910	11.7	20.0
9 28	0 45.53	+11 40.2	0.921	1.913	6.1	19.7
10 8	0 37.11	+10 33.0	0.922	1.919	3.3	19.6
10 18	0 29.43	+ 9 19.3	0.946	1.925	7.9	19.9
10 28	0 23.93	+ 8 11.2	0.992	1.933	13.2	20.2
11 7	0 21.50	+ 7 18.7	1.057	1.942	18.0	20.5

291751 2006 KF_5 10 4.1 60.°89 1.°4/ 5.4 18

8 29	1 3.54	+10 58.8	1.701	2.534	15.8	20.8
9 8	0 59.44	+10 33.8	1.633	2.542	12.3	20.6
9 18	0 53.17	+ 9 51.4	1.587	2.550	8.2	20.4
9 28	0 45.43	+ 8 54.7	1.565	2.558	3.8	20.2
10 8	0 37.18	+ 7 49.6	1.569	2.566	1.9	20.1
10 18	0 29.46	+ 6 43.3	1.602	2.575	6.0	20.3
10 28	0 23.23	+ 5 43.5	1.660	2.583	10.2	20.6
11 7	0 19.15	+ 4 56.2	1.742	2.592	13.8	20.9

317334 2002 JH_{87} 10 4.1 131.°58 3.°6/ 7.4 17

8 29	1 5.94	+17 2.9	1.576	2.385	17.9	21.0
9 8	1 1.52	+16 41.9	1.504	2.392	14.4	20.8
9 18	0 54.63	+15 56.4	1.451	2.399	10.3	20.6
9 28	0 46.02	+14 48.1	1.422	2.406	6.0	20.3
10 8	0 36.79	+13 22.5	1.420	2.412	3.6	20.2
10 18	0 28.14	+11 48.5	1.444	2.418	6.4	20.4
10 28	0 21.20	+10 16.4	1.495	2.424	10.6	20.7
11 7	0 16.70	+ 8 55.6	1.569	2.429	14.5	20.9

456622 2007 HW_{41} 10 4.1 136.°12 0.°0/ 3.9 18

8 29	1 2.51	+ 6 21.0	2.522	3.351	11.4	22.1
9 8	0 57.97	+ 5 52.9	2.448	3.358	8.7	22.0
9 18	0 51.93	+ 5 15.5	2.398	3.365	5.5	21.8
9 28	0 44.90	+ 4 31.7	2.375	3.372	2.1	21.6
10 8	0 37.53	+ 3 45.6	2.382	3.379	1.4	21.5
10 18	0 30.50	+ 3 1.5	2.418	3.385	4.8	21.8
10 28	0 24.46	+ 2 23.8	2.483	3.391	8.0	22.0
11 7	0 19.92	+ 1 55.7	2.573	3.397	10.7	22.2

147090 2002 SZ_{53} 10 4.1 341.°87 5.°6/ 8.9 18

8 29	0 56.55	+19 47.0	1.154	1.990	21.5	18.8
9 8	0 55.32	+19 42.0	1.077	1.978	17.8	18.5
9 18	0 51.19	+19 2.8	1.017	1.967	13.4	18.2
9 28	0 44.85	+17 48.2	0.977	1.957	8.6	17.9
10 8	0 37.52	+16 3.5	0.958	1.948	5.6	17.7
10 18	0 30.66	+14 0.3	0.962	1.940	7.9	17.8
10 28	0 25.74	+11 54.3	0.990	1.934	12.7	18.1
11 7	0 23.73	+10 0.9	1.037	1.930	17.5	18.3

43845 1993 OS_9 10 4.1 142.°50 4.°9/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.84	− 5 6.4	1.686	2.554	14.3	18.8
9 8	1 1.13	− 6 20.1	1.627	2.559	10.8	18.6
9 18	0 54.22	− 7 38.1	1.591	2.563	7.2	18.4
9 28	0 45.83	− 8 52.2	1.581	2.568	5.0	18.3
10 8	0 36.96	− 9 54.0	1.598	2.572	6.3	18.4
10 18	0 28.65	−10 37.1	1.641	2.576	9.6	18.6
10 28	0 21.90	−10 57.6	1.709	2.580	13.1	18.8
11 7	0 17.35	−10 55.0	1.798	2.583	16.1	19.0

136584 1992 EE_{28} 10 4.1 267.°84 3.°4/ 6.4 18

8 29	1 10.08	+12 30.5	1.684	2.500	16.7	19.9
9 8	1 4.85	+13 1.7	1.592	2.486	13.4	19.7
9 18	0 56.96	+13 17.7	1.520	2.472	9.5	19.4
9 28	0 47.02	+13 17.8	1.472	2.458	5.4	19.1
10 8	0 36.09	+13 3.8	1.451	2.444	3.5	19.0
10 18	0 25.43	+12 39.8	1.458	2.430	6.7	19.2
10 28	0 16.32	+12 12.2	1.491	2.415	11.0	19.4
11 7	0 9.71	+11 48.0	1.547	2.400	15.0	19.6

153254 2001 BF_{47} 10 4.1 286.°50 0.°2/ 3.8 18

8 29	1 0.13	+ 7 29.0	2.175	3.011	12.7	19.9
9 8	0 56.52	+ 6 39.8	2.090	3.005	9.7	19.7
9 18	0 51.20	+ 5 37.3	2.028	2.998	6.2	19.5
9 28	0 44.68	+ 4 25.5	1.994	2.991	2.3	19.2
10 8	0 37.69	+ 3 9.9	1.987	2.984	1.7	19.2
10 18	0 31.00	+ 1 57.0	2.010	2.977	5.6	19.4
10 28	0 25.39	+ 0 53.0	2.060	2.970	9.2	19.6
11 7	0 21.43	+ 0 2.7	2.134	2.964	12.4	19.8

168739 2000 QG_{57} 10 4.1 81.°94 3.°2/ 1.6 18

8 29	1 7.70	+ 1 8.8	1.298	2.168	17.6	19.7
9 8	1 2.91	+ 0 0.7	1.252	2.186	13.1	19.5
9 18	0 55.46	− 1 18.8	1.227	2.204	8.2	19.2
9 28	0 46.30	− 2 40.7	1.226	2.222	3.8	19.0
10 8	0 36.71	− 3 54.7	1.251	2.240	4.8	19.1
10 18	0 28.02	− 4 52.1	1.301	2.258	9.3	19.5
10 28	0 21.33	− 5 27.2	1.375	2.275	13.7	19.8
11 7	0 17.32	− 5 38.3	1.470	2.293	17.3	20.0

514809 2007 TF_{245} 10 4.1 5.°67 5.°6/ 7.3 18

8 29	1 7.55	+14 5.7	1.284	2.119	19.9	20.2
9 8	1 3.39	+15 18.8	1.218	2.119	16.1	19.9
9 18	0 56.20	+16 13.7	1.169	2.120	11.8	19.7
9 28	0 46.74	+16 47.5	1.142	2.123	7.6	19.5
10 8	0 36.34	+17 0.5	1.139	2.127	5.6	19.4
10 18	0 26.51	+16 56.2	1.161	2.132	8.1	19.5
10 28	0 18.73	+16 42.0	1.206	2.139	12.2	19.8
11 7	0 13.94	+16 26.1	1.272	2.147	16.2	20.1

352393 2007 WV_{36} 10 4.1 247.°09 2.°9/ 6.9 18

8 29	1 4.40	+14 29.1	2.012	2.818	14.7	21.6
9 8	0 59.98	+14 28.2	1.925	2.813	11.7	21.4
9 18	0 53.53	+14 10.5	1.858	2.807	8.3	21.2
9 28	0 45.61	+13 36.9	1.817	2.802	4.8	20.9
10 8	0 37.09	+12 50.7	1.804	2.796	2.9	20.8
10 18	0 28.88	+11 57.0	1.818	2.790	5.5	21.0
10 28	0 21.94	+11 2.4	1.860	2.784	9.1	21.2
11 7	0 16.96	+10 13.4	1.926	2.778	12.5	21.4

253466 2003 SS_{25} 10 4.1 352.°77 1.°5/ 2.9 17

8 29	0 57.99	+ 4 48.6	0.961	1.856	20.2	19.7
9 8	0 56.61	+ 4 10.2	0.901	1.847	15.4	19.4
9 18	0 52.07	+ 3 11.2	0.859	1.841	9.8	19.0
9 28	0 45.19	+ 1 58.9	0.837	1.836	3.6	18.7
10 8	0 37.38	+ 0 44.7	0.837	1.833	3.7	18.7
10 18	0 30.23	− 0 19.0	0.858	1.831	9.8	19.0
10 28	0 25.27	− 1 1.8	0.900	1.831	15.5	19.3
11 7	0 23.41	− 1 18.1	0.959	1.833	20.3	19.6

220182 2002 UD_{34} 10 4.1 11.°15 6.°1/10.1 18

8 29	0 50.47	+23 28.0	0.924	1.771	24.8	19.2
9 8	0 50.99	+22 48.6	0.870	1.775	20.6	19.0
9 18	0 48.46	+21 21.8	0.831	1.781	15.5	18.7
9 28	0 43.77	+19 9.2	0.810	1.789	10.1	18.5
10 8	0 38.34	+16 22.6	0.809	1.799	6.2	18.3
10 18	0 33.67	+13 21.2	0.831	1.812	8.0	18.5
10 28	0 31.10	+10 27.6	0.875	1.827	12.9	18.8
11 7	0 31.40	+ 7 59.9	0.939	1.843	17.8	19.1

236522 2006 HQ_4 10 4.1 71.°95 1.°2/ 2.9 18

8 29	1 4.67	+ 4 23.2	1.682	2.534	15.1	20.7
9 8	1 0.17	+ 3 38.5	1.627	2.550	11.3	20.5
9 18	0 53.56	+ 2 42.0	1.593	2.567	7.1	20.3
9 28	0 45.57	+ 1 39.1	1.585	2.583	2.6	20.0
10 8	0 37.19	+ 0 37.1	1.604	2.599	2.6	20.1
10 18	0 29.44	− 0 17.3	1.651	2.615	6.9	20.4
10 28	0 23.21	− 0 58.3	1.723	2.631	10.9	20.7
11 7	0 19.13	− 1 22.5	1.818	2.647	14.2	20.9

7955 Ogiwara 10 4.1 240.°29 0.°8/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.89	+ 9 4.5	2.155	2.979	13.2	18.6
9 8	0 59.43	+ 8 43.6	2.065	2.971	10.2	18.4
9 18	0 53.11	+ 8 9.7	1.998	2.961	6.7	18.2
9 28	0 45.45	+ 7 25.1	1.957	2.952	2.9	17.9
10 8	0 37.22	+ 6 34.2	1.945	2.942	1.5	17.8
10 18	0 29.29	+ 5 42.2	1.962	2.932	5.4	18.0
10 28	0 22.50	+ 4 55.1	2.006	2.922	9.1	18.3
11 7	0 17.49	+ 4 17.5	2.075	2.912	12.4	18.4

476807 2008 UP_{188} 10 4.1 20.°28 15.°8/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 18.54	−27 59.3	0.798	1.681	24.5	18.7
9 8	1 11.68	−27 52.9	0.787	1.703	20.9	18.6
9 18	1 0.91	−27 13.4	0.790	1.729	17.7	18.5
9 28	0 48.17	−25 51.2	0.811	1.757	15.9	18.5
10 8	0 35.79	−23 46.1	0.851	1.788	16.2	18.7
10 18	0 25.69	−21 6.7	0.912	1.821	18.2	18.9
10 28	0 19.05	−18 5.3	0.991	1.856	20.8	19.2
11 7	0 16.18	−14 54.3	1.088	1.893	23.3	19.6

230332 2002 CT_{119} 10 4.1 151.°51 7.°1/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.17	−11 26.0	1.826	2.696	13.3	20.0
9 8	0 59.77	−13 10.4	1.773	2.700	10.4	19.9
9 18	0 53.33	−14 53.8	1.745	2.704	7.9	19.7
9 28	0 45.52	−16 26.4	1.743	2.708	7.1	19.7
10 8	0 37.26	−17 39.6	1.767	2.711	8.6	19.8
10 18	0 29.52	−18 27.6	1.817	2.714	11.2	20.0
10 28	0 23.21	−18 47.8	1.890	2.717	14.0	20.2
11 7	0 18.93	−18 41.4	1.983	2.719	16.4	20.3

224134 2005 QU_{33} 10 4.1 65.°27 0.°2/ 4.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.61	+ 7 27.4	1.373	2.224	17.9	20.9
9 8	1 2.79	+ 7 3.2	1.323	2.244	13.6	20.6
9 18	0 55.39	+ 6 22.7	1.292	2.263	8.7	20.4
9 28	0 46.31	+ 5 30.7	1.286	2.282	3.4	20.2
10 8	0 36.78	+ 4 34.4	1.305	2.302	2.0	20.1
10 18	0 28.08	+ 3 41.9	1.350	2.322	7.2	20.5
10 28	0 21.32	+ 3 0.5	1.421	2.341	11.7	20.8
11 7	0 17.15	+ 2 34.8	1.513	2.361	15.6	21.1

408290 2013 GX_{12} 10 4.1 151.°57 5.°2/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.50	− 9 55.5	2.333	3.194	11.1	21.7
9 8	0 58.09	−11 8.7	2.274	3.198	8.5	21.5
9 18	0 52.08	−12 21.4	2.240	3.202	6.2	21.4
9 28	0 45.01	−13 27.4	2.233	3.205	5.2	21.3
10 8	0 37.59	−14 20.6	2.254	3.209	6.3	21.4
10 18	0 30.56	−14 56.7	2.303	3.212	8.6	21.5
10 28	0 24.63	−15 13.3	2.377	3.215	11.1	21.7
11 7	0 20.30	−15 10.2	2.473	3.218	13.3	21.9

283861 2003 WB_{39} 10 4.1 4.°80 3.°8/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.36	+14 26.1	1.449	2.280	18.2	20.6
9 8	0 59.84	+14 42.4	1.378	2.280	14.6	20.4
9 18	0 53.74	+14 37.8	1.326	2.280	10.4	20.2
9 28	0 45.78	+14 12.8	1.296	2.281	6.1	19.9
10 8	0 37.08	+13 31.0	1.291	2.283	3.8	19.8
10 18	0 28.89	+12 39.2	1.311	2.286	6.8	20.0
10 28	0 22.42	+11 46.1	1.356	2.290	11.1	20.2
11 7	0 18.48	+10 59.8	1.423	2.294	15.0	20.5

431664 2008 CX_{75} 10 4.1 218.°29 2.°0/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.46	+ 2 0.6	1.760	2.611	14.6	22.0
9 8	1 2.49	+ 1 17.1	1.681	2.604	11.1	21.8
9 18	0 55.22	+ 0 22.9	1.623	2.596	7.0	21.5
9 28	0 46.32	− 0 36.7	1.592	2.588	2.9	21.3
10 8	0 36.74	− 1 34.8	1.588	2.580	3.4	21.3
10 18	0 27.58	− 2 24.3	1.612	2.571	7.6	21.5
10 28	0 19.88	− 2 59.5	1.662	2.561	11.8	21.8
11 7	0 14.39	− 3 16.8	1.735	2.551	15.3	22.0

76525 2000 GO_{53} 10 4.1 277.°36 0.°3/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.25	+ 7 41.1	2.420	3.248	11.8	20.1
9 8	0 57.24	+ 7 17.0	2.330	3.239	9.1	19.9
9 18	0 51.62	+ 6 42.1	2.263	3.229	5.9	19.7
9 28	0 44.88	+ 5 58.8	2.224	3.220	2.4	19.4
10 8	0 37.68	+ 5 11.2	2.213	3.210	1.3	19.3
10 18	0 30.73	+ 4 24.0	2.231	3.201	4.9	19.6
10 28	0 24.75	+ 3 42.0	2.277	3.191	8.3	19.8
11 7	0 20.30	+ 3 9.2	2.348	3.182	11.3	20.0

191538 2003 UR_{227} 10 4.1 297.°07 1.°3/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.34	+ 9 49.3	2.280	3.101	12.7	20.1
9 8	0 58.21	+ 9 41.9	2.187	3.089	9.9	19.9
9 18	0 52.32	+ 9 22.4	2.116	3.077	6.6	19.7
9 28	0 45.18	+ 8 52.5	2.072	3.065	3.1	19.4
10 8	0 37.49	+ 8 15.7	2.056	3.052	1.6	19.3
10 18	0 30.05	+ 7 36.2	2.068	3.041	5.0	19.5
10 28	0 23.64	+ 6 59.2	2.109	3.029	8.5	19.7
11 7	0 18.89	+ 6 29.2	2.174	3.017	11.7	19.9

210138 2006 SW_{19} 10 4.1 20.°43 0.°2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.45	+ 7 22.4	1.485	2.343	16.4	19.8
9 8	0 57.36	+ 6 39.2	1.424	2.350	12.5	19.6
9 18	0 51.99	+ 5 39.4	1.383	2.357	7.9	19.3
9 28	0 45.06	+ 4 28.1	1.367	2.365	3.0	19.1
10 8	0 37.62	+ 3 13.5	1.377	2.374	2.1	19.0
10 18	0 30.74	+ 2 4.1	1.412	2.383	7.0	19.4
10 28	0 25.45	+ 1 7.6	1.473	2.393	11.4	19.6
11 7	0 22.40	+ 0 29.3	1.555	2.404	15.2	19.9

50444 2000 DG_{34} 10 4.1 40.°43 4.°0/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.52	+15 0.7	1.654	2.468	17.0	18.7
9 8	1 1.88	+15 25.5	1.586	2.477	13.7	18.5
9 18	0 54.86	+15 31.6	1.538	2.486	9.8	18.3
9 28	0 46.18	+15 19.2	1.514	2.495	6.0	18.1
10 8	0 36.89	+14 51.1	1.515	2.505	4.0	18.0
10 18	0 28.14	+14 12.5	1.544	2.516	6.4	18.1
10 28	0 21.02	+13 30.8	1.598	2.526	10.1	18.4
11 7	0 16.25	+12 52.9	1.675	2.537	13.6	18.6

339266 2004 VD_{91} 10 4.1 12.°69 7.°9/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.29	+24 18.7	1.300	2.099	21.5	19.7
9 8	0 57.89	+24 44.4	1.234	2.102	18.2	19.5
9 18	0 52.67	+24 37.6	1.183	2.107	14.4	19.3
9 28	0 45.41	+23 56.1	1.153	2.112	10.6	19.1
10 8	0 37.37	+22 42.6	1.144	2.119	8.1	19.0
10 18	0 29.93	+21 5.3	1.159	2.126	8.7	19.1
10 28	0 24.42	+19 17.1	1.197	2.135	11.8	19.3
11 7	0 21.68	+17 31.8	1.257	2.144	15.5	19.5

255478 2005 YR_{181} 10 4.1 184.°31 4.°2/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.27	−11 30.6	3.169	4.017	8.8	21.0
9 8	0 58.28	−12 18.1	3.102	4.017	6.8	20.9
9 18	0 52.04	−13 4.0	3.060	4.017	5.0	20.8
9 28	0 44.99	−13 44.1	3.047	4.016	4.2	20.7
10 8	0 37.66	−14 14.6	3.063	4.014	5.0	20.8
10 18	0 30.61	−14 32.7	3.109	4.012	6.8	20.9
10 28	0 24.38	−14 36.7	3.181	4.010	8.8	21.0
11 7	0 19.40	−14 26.5	3.276	4.007	10.6	21.2

513825 2013 EC_{35} 10 4.1 118.°60 2.°5/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.97	− 1 17.9	2.624	3.471	10.4	22.6
9 8	0 57.45	− 2 24.2	2.566	3.489	7.7	22.4
9 18	0 51.56	− 3 35.3	2.533	3.505	4.9	22.3
9 28	0 44.81	− 4 46.3	2.529	3.522	2.7	22.1
10 8	0 37.80	− 5 51.7	2.555	3.538	3.5	22.2
10 18	0 31.17	− 6 47.1	2.611	3.553	6.1	22.4
10 28	0 25.51	− 7 29.1	2.694	3.568	8.7	22.6
11 7	0 21.25	− 7 55.8	2.802	3.583	11.1	22.8

483406 1999 RK_{30} 10 4.1 346.°13 27.°2/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 19.03	+32 6.7	0.967	1.731	29.6	19.6
9 8	1 16.47	+38 9.6	0.889	1.697	28.4	19.3
9 18	1 8.20	+44 14.2	0.830	1.665	27.5	19.1
9 28	0 53.09	+49 52.2	0.791	1.637	27.2	19.0
10 8	0 31.24	+54 31.3	0.770	1.613	27.8	18.9
10 18	0 5.16	+57 45.9	0.764	1.593	29.1	18.9
10 28	23 40.27	+59 31.4	0.772	1.577	30.7	18.9
11 7	23 22.23	+60 6.5	0.790	1.565	32.2	19.0

110952 2001 UV_{160} 10 4.1 191.°56 1.°4/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.83	+ 2 45.7	2.056	2.904	12.9	19.7
9 8	0 58.60	+ 2 5.2	1.982	2.904	9.7	19.5
9 18	0 52.55	+ 1 15.4	1.931	2.904	6.1	19.3
9 28	0 45.25	+ 0 21.0	1.907	2.904	2.4	19.1
10 8	0 37.49	− 0 32.6	1.911	2.904	2.7	19.1
10 18	0 30.12	− 1 19.6	1.943	2.904	6.4	19.3
10 28	0 23.95	− 1 55.1	2.002	2.903	9.9	19.6
11 7	0 19.56	− 2 16.0	2.084	2.903	13.0	19.8

260412 2004 XS_{27} 10 4.1 229.°18 1.°0/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.77	+ 2 59.9	2.630	3.468	10.7	21.2
9 8	0 57.46	+ 2 25.6	2.544	3.461	8.1	21.0
9 18	0 51.69	+ 1 43.7	2.482	3.453	5.1	20.8
9 28	0 44.91	+ 0 57.6	2.448	3.446	1.9	20.6
10 8	0 37.72	+ 0 11.6	2.444	3.438	2.1	20.6
10 18	0 30.78	− 0 30.2	2.469	3.430	5.2	20.8
10 28	0 24.75	− 1 3.7	2.523	3.421	8.3	21.0
11 7	0 20.13	− 1 26.0	2.601	3.413	10.9	21.1

112035 2002 HW_{10} 10 4.1 65.°68 5.°3/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.57	−11 24.7	2.103	2.958	12.4	19.0
9 8	1 2.63	−11 55.0	2.057	2.977	9.5	18.9
9 18	0 54.90	−12 21.8	2.034	2.995	6.8	18.7
9 28	0 46.08	−12 39.7	2.039	3.014	5.3	18.7
10 8	0 37.02	−12 44.4	2.071	3.033	6.2	18.8
10 18	0 28.60	−12 33.3	2.131	3.052	8.6	19.0
10 28	0 21.57	−12 5.6	2.217	3.071	11.2	19.2
11 7	0 16.45	−11 22.5	2.326	3.090	13.5	19.4

477010 2008 YO_{146} 10 4.1 334.°14 1.°6/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.49	+ 3 20.5	1.575	2.437	15.4	21.0
9 8	0 58.93	+ 2 40.1	1.501	2.431	11.7	20.7
9 18	0 53.05	+ 1 47.1	1.449	2.425	7.4	20.5
9 28	0 45.51	+ 0 46.9	1.421	2.419	2.8	20.2
10 8	0 37.32	− 0 13.0	1.420	2.414	3.1	20.2
10 18	0 29.58	− 1 5.2	1.444	2.409	7.7	20.5
10 28	0 23.35	− 1 42.9	1.494	2.405	12.0	20.7
11 7	0 19.38	− 2 2.2	1.565	2.401	15.8	20.9

226452 2003 SV_{98} 10 4.1 14.°79 9.°0/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.27	+29 5.5	1.716	2.461	19.1	19.0
9 8	0 58.12	+29 52.0	1.646	2.467	16.6	18.8
9 18	0 52.59	+30 10.8	1.592	2.475	13.9	18.7
9 28	0 45.35	+29 58.9	1.558	2.484	11.2	18.5
10 8	0 37.43	+29 16.6	1.546	2.493	9.3	18.4
10 18	0 29.98	+28 8.5	1.559	2.504	9.2	18.5
10 28	0 24.13	+26 43.2	1.596	2.515	10.8	18.6
11 7	0 20.63	+25 11.4	1.656	2.528	13.2	18.8

33274 Beaubingham 10 4.1 164.°25 4.°2/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.56	− 5 16.4	1.950	2.808	13.0	18.8
9 8	1 1.45	− 6 9.9	1.885	2.812	9.9	18.6
9 18	0 54.37	− 7 6.7	1.844	2.815	6.5	18.4
9 28	0 45.95	− 8 0.1	1.830	2.817	4.3	18.2
10 8	0 37.09	− 8 43.8	1.843	2.819	5.3	18.3
10 18	0 28.71	− 9 12.7	1.884	2.821	8.4	18.5
10 28	0 21.70	− 9 23.4	1.951	2.823	11.7	18.7
11 7	0 16.67	− 9 15.3	2.040	2.824	14.5	18.9

383173 2005 VW_{118} 10 4.1 345.°36 23.°0/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.34	+42 35.5	1.158	1.855	28.9	19.3
9 8	1 1.46	+45 59.2	1.089	1.837	27.6	19.1
9 18	0 56.42	+48 51.2	1.031	1.820	26.2	19.0
9 28	0 47.42	+50 56.7	0.985	1.806	24.9	18.8
10 8	0 35.83	+52 3.5	0.952	1.794	23.8	18.7
10 18	0 24.03	+52 4.8	0.932	1.784	23.1	18.6
10 28	0 14.97	+51 3.7	0.926	1.776	23.1	18.6
11 7	0 10.80	+49 14.1	0.933	1.771	23.7	18.6

389826 2012 BU_{60} 10 4.1 315.°89 3.°1/27.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 54.63	− 8 30.3	4.050	4.907	6.9	20.5
9 8	0 51.65	− 9 38.1	3.976	4.900	5.2	20.4
9 18	0 47.81	−10 46.5	3.929	4.893	3.7	20.3
9 28	0 43.38	−11 52.1	3.912	4.886	3.1	20.2
10 8	0 38.74	−12 51.3	3.924	4.879	3.9	20.3
10 18	0 34.24	−13 41.4	3.966	4.873	5.4	20.4
10 28	0 30.26	−14 20.1	4.035	4.866	7.0	20.5
11 7	0 27.12	−14 46.2	4.128	4.860	8.6	20.6

180262 2003 WH_{18} 10 4.1 320.°09 4.°6/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.66	+14 31.7	1.344	2.173	19.4	20.3
9 8	1 3.51	+15 6.1	1.266	2.166	15.7	20.0
9 18	0 56.35	+15 19.7	1.207	2.160	11.4	19.8
9 28	0 46.91	+15 11.4	1.169	2.153	6.9	19.5
10 8	0 36.43	+14 43.4	1.156	2.147	4.6	19.4
10 18	0 26.40	+14 1.6	1.168	2.142	7.6	19.5
10 28	0 18.30	+13 15.1	1.204	2.136	12.3	19.8
11 7	0 13.12	+12 33.1	1.261	2.131	16.6	20.0

407649 2011 FK_{70} 10 4.1 291.°09 0.°7/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.58	+ 5 27.4	2.314	3.133	12.6	20.9
9 8	1 4.55	+ 5 53.2	2.207	3.110	9.8	20.7
9 18	0 56.47	+ 6 12.3	2.125	3.088	6.4	20.5
9 28	0 46.86	+ 6 25.8	2.070	3.065	2.7	20.2
10 8	0 36.47	+ 6 35.6	2.045	3.042	1.5	20.1
10 18	0 26.23	+ 6 43.9	2.050	3.019	5.4	20.3
10 28	0 17.07	+ 6 54.0	2.085	2.996	9.1	20.5
11 7	0 9.73	+ 7 8.8	2.145	2.973	12.4	20.7

266993 2010 XV_{44} 10 4.1 351.°05 9.°1/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.90	−18 55.3	1.841	2.710	13.2	19.6
9 8	0 58.15	−20 21.7	1.791	2.706	11.0	19.4
9 18	0 52.37	−21 40.0	1.763	2.702	9.4	19.3
9 28	0 45.21	−22 41.3	1.760	2.699	9.2	19.3
10 8	0 37.60	−23 18.3	1.781	2.696	10.5	19.4
10 18	0 30.49	−23 27.1	1.826	2.694	12.6	19.5
10 28	0 24.79	−23 7.1	1.892	2.693	15.0	19.7
11 7	0 21.10	−22 20.8	1.976	2.692	17.1	19.8

198166 2004 TP_{77} 10 4.1 181.°13 0.°6/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.56	+ 3 49.1	1.923	2.761	14.0	20.7
9 8	1 3.09	+ 3 37.1	1.846	2.762	10.7	20.5
9 18	0 55.50	+ 3 15.8	1.792	2.762	6.8	20.3
9 28	0 46.43	+ 2 48.6	1.765	2.762	2.5	20.0
10 8	0 36.81	+ 2 19.9	1.766	2.762	2.1	20.0
10 18	0 27.62	+ 1 54.8	1.795	2.761	6.3	20.3
10 28	0 19.83	+ 1 37.9	1.852	2.760	10.2	20.5
11 7	0 14.12	+ 1 32.3	1.932	2.759	13.6	20.7

442047 2010 RG_{30} 10 4.1 12.°57 2.°5/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.03	+11 44.7	1.886	2.705	15.0	21.0
9 8	1 1.30	+12 1.6	1.808	2.706	11.9	20.8
9 18	0 54.43	+12 4.2	1.752	2.707	8.2	20.6
9 28	0 46.04	+11 53.3	1.721	2.709	4.4	20.3
10 8	0 37.06	+11 31.8	1.716	2.710	2.6	20.2
10 18	0 28.47	+11 4.0	1.740	2.712	5.7	20.4
10 28	0 21.27	+10 35.6	1.790	2.715	9.5	20.7
11 7	0 16.15	+10 12.0	1.864	2.717	12.9	20.9

70531 1999 TT_{119} 10 4.1 49.°02 1.°1/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.98	+ 6 4.6	1.571	2.409	16.6	18.5
9 8	1 6.03	+ 6 34.2	1.506	2.418	12.8	18.3
9 18	0 57.52	+ 6 53.0	1.462	2.428	8.4	18.0
9 28	0 47.23	+ 7 2.4	1.443	2.438	3.6	17.8
10 8	0 36.33	+ 7 5.4	1.451	2.448	1.9	17.7
10 18	0 26.09	+ 7 6.1	1.487	2.459	6.6	18.0
10 28	0 17.65	+ 7 9.0	1.549	2.470	11.0	18.3
11 7	0 11.78	+ 7 18.3	1.634	2.480	14.7	18.6

185117 2006 SP_{54} 10 4.1 326.°80 5.°4/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.49	− 5 2.7	1.100	1.991	18.5	19.7
9 8	1 2.34	− 5 30.1	1.026	1.969	14.3	19.3
9 18	0 55.87	− 6 2.4	0.970	1.949	9.5	19.0
9 28	0 46.80	− 6 31.1	0.936	1.929	5.7	18.7
10 8	0 36.52	− 6 46.6	0.925	1.911	7.0	18.8
10 18	0 26.71	− 6 41.2	0.936	1.893	11.9	19.0
10 28	0 19.03	− 6 10.4	0.967	1.877	17.0	19.2
11 7	0 14.59	− 5 14.4	1.017	1.863	21.6	19.4

7255 1993 VY_1 10 4.1 96.°65 1.°5/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.05	+ 2 33.6	1.448	2.302	17.0	17.3
9 8	1 5.34	+ 2 10.3	1.393	2.318	12.8	17.1
9 18	0 57.03	+ 1 36.3	1.359	2.333	8.0	16.9
9 28	0 47.01	+ 0 57.1	1.350	2.348	3.1	16.6
10 8	0 36.51	+ 0 19.3	1.368	2.363	3.0	16.7
10 18	0 26.81	− 0 10.5	1.413	2.377	7.8	17.0
10 28	0 19.04	− 0 27.1	1.482	2.391	12.2	17.3
11 7	0 13.90	− 0 27.9	1.574	2.405	15.9	17.6

448606 2010 UG_{25} 10 4.1 357.°26 10.°1/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.60	−17 32.4	1.275	2.160	16.8	18.7
9 8	1 0.95	−18 16.3	1.224	2.153	13.8	18.5
9 18	0 54.48	−18 49.4	1.192	2.148	11.2	18.3
9 28	0 46.09	−19 1.3	1.182	2.144	10.1	18.3
10 8	0 37.10	−18 44.6	1.195	2.143	11.4	18.3
10 18	0 28.89	−17 56.3	1.230	2.143	14.1	18.5
10 28	0 22.69	−16 38.1	1.285	2.145	17.3	18.7
11 7	0 19.23	−14 55.1	1.358	2.148	20.2	18.9

184805 2005 TX_{115} 10 4.1 75.°01 0.°5/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.37	+ 8 21.4	2.022	2.854	13.7	20.5
9 8	0 59.01	+ 7 57.4	1.953	2.863	10.5	20.3
9 18	0 52.81	+ 7 20.7	1.907	2.872	6.8	20.1
9 28	0 45.38	+ 6 34.3	1.886	2.882	2.8	19.9
10 8	0 37.53	+ 5 43.2	1.894	2.891	1.5	19.8
10 18	0 30.13	+ 4 53.0	1.929	2.900	5.4	20.1
10 28	0 23.97	+ 4 9.2	1.992	2.909	9.1	20.3
11 7	0 19.66	+ 3 36.3	2.080	2.919	12.3	20.6

521505 2015 OC_{96} 10 4.1 83.°92 1.°0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.72	+ 5 28.4	2.023	2.867	13.2	21.5
9 8	0 57.71	+ 4 25.4	1.961	2.880	9.9	21.3
9 18	0 51.95	+ 3 10.5	1.921	2.893	6.2	21.1
9 28	0 45.04	+ 1 49.2	1.909	2.906	2.3	20.9
10 8	0 37.78	+ 0 28.1	1.925	2.919	2.3	20.9
10 18	0 30.97	− 0 45.9	1.969	2.932	6.1	21.2
10 28	0 25.39	− 1 47.0	2.041	2.944	9.7	21.4
11 7	0 21.57	− 2 31.5	2.137	2.957	12.7	21.7

49239 1998 SE_{164} 10 4.1 53.°06 5.°8/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 12.31	− 9 38.8	1.513	2.378	15.8	16.9
9 8	1 5.97	−10 3.9	1.474	2.400	12.1	16.8
9 18	0 57.23	−10 26.0	1.456	2.423	8.3	16.6
9 28	0 47.02	−10 38.2	1.464	2.447	5.9	16.5
10 8	0 36.58	−10 35.2	1.498	2.470	6.8	16.7
10 18	0 27.10	−10 14.1	1.558	2.494	9.9	16.9
10 28	0 19.57	− 9 34.6	1.643	2.518	13.3	17.2
11 7	0 14.58	− 8 38.8	1.749	2.542	16.2	17.4

478885 2012 WD_8 10 4.1 338.°55 8.°5/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.48	−13 55.3	1.341	2.219	16.6	20.0
9 8	1 3.91	−14 35.1	1.278	2.208	13.2	19.7
9 18	0 56.43	−15 8.9	1.234	2.197	10.1	19.5
9 28	0 46.89	−15 27.0	1.214	2.187	8.5	19.4
10 8	0 36.59	−15 21.3	1.218	2.177	9.8	19.5
10 18	0 26.95	−14 47.6	1.244	2.169	13.0	19.6
10 28	0 19.30	−13 45.8	1.293	2.162	16.6	19.8
11 7	0 14.49	−12 19.7	1.361	2.156	19.9	20.0

494196 2016 HQ_1 10 4.1 69.°00 0.°3/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.67	+ 7 49.4	1.245	2.099	19.2	21.2
9 8	1 4.53	+ 7 24.4	1.200	2.122	14.6	21.0
9 18	0 56.59	+ 6 41.4	1.175	2.145	9.4	20.7
9 28	0 46.85	+ 5 45.7	1.172	2.169	3.7	20.5
10 8	0 36.69	+ 4 45.4	1.195	2.192	2.1	20.4
10 18	0 27.52	+ 3 49.5	1.243	2.215	7.5	20.8
10 28	0 20.50	+ 3 5.9	1.316	2.238	12.4	21.2
11 7	0 16.32	+ 2 39.2	1.410	2.261	16.3	21.5

328599 2009 SH_{87} 10 4.1 332.°58 1.°4/ 2.5 18

8 29	0 59.92	+ 4 7.0	2.063	2.913	12.8	20.8
9 8	0 56.46	+ 3 10.0	1.986	2.909	9.6	20.6
9 18	0 51.24	+ 2 1.7	1.932	2.906	6.0	20.4
9 28	0 44.81	+ 0 47.0	1.904	2.902	2.3	20.2
10 8	0 37.92	− 0 27.7	1.905	2.899	2.6	20.2
10 18	0 31.37	− 1 35.6	1.934	2.896	6.4	20.4
10 28	0 25.95	− 2 31.1	1.990	2.893	9.9	20.6
11 7	0 22.23	− 3 10.2	2.069	2.890	13.0	20.8

1827 Atkinson 10 4.1 290.°22 1.°3/ 5.4 18

8 29	1 2.49	+10 54.3	1.850	2.680	14.9	16.7
9 8	0 58.82	+10 29.7	1.754	2.661	11.7	16.4
9 18	0 53.00	+ 9 47.8	1.679	2.642	7.9	16.2
9 28	0 45.58	+ 8 50.8	1.629	2.622	3.7	15.9
10 8	0 37.40	+ 7 43.6	1.606	2.603	1.8	15.7
10 18	0 29.46	+ 6 33.2	1.611	2.584	6.0	16.0
10 28	0 22.79	+ 5 27.2	1.642	2.565	10.3	16.2
11 7	0 18.15	+ 4 32.7	1.697	2.546	14.1	16.4

256664 2007 XY_{27} 10 4.1 290.°52 3.°3/ 6.6 18

8 29	1 5.53	+13 40.6	1.406	2.239	18.5	20.4
9 8	1 1.81	+13 44.6	1.321	2.225	14.9	20.2
9 18	0 55.27	+13 26.6	1.255	2.212	10.5	19.9
9 28	0 46.55	+12 47.0	1.211	2.199	5.8	19.6
10 8	0 36.80	+11 49.9	1.192	2.186	3.4	19.4
10 18	0 27.41	+10 43.0	1.198	2.173	7.2	19.6
10 28	0 19.77	+ 9 36.3	1.229	2.161	12.1	19.8
11 7	0 14.88	+ 8 39.4	1.281	2.148	16.6	20.1

266826 2009 TX_{35} 10 4.1 357.°79 1.°9/ 2.3 18

8 29	1 3.02	+ 0 26.1	1.908	2.765	13.3	20.2
9 8	0 58.91	+ 0 2.2	1.837	2.764	10.0	20.0
9 18	0 52.85	− 0 28.8	1.788	2.762	6.3	19.8
9 28	0 45.45	− 1 2.3	1.765	2.761	2.7	19.5
10 8	0 37.56	− 1 33.2	1.769	2.761	3.1	19.6
10 18	0 30.08	− 1 56.5	1.801	2.761	6.8	19.8
10 28	0 23.89	− 2 8.1	1.859	2.762	10.5	20.0
11 7	0 19.60	− 2 5.7	1.939	2.763	13.7	20.2

461209 2015 VV_{126} 10 4.1 101.°48 3.°9/30.1 18

8 29	1 4.80	− 6 47.8	2.287	3.143	11.5	20.5
9 8	0 59.87	− 7 24.3	2.222	3.146	8.7	20.3
9 18	0 53.27	− 8 1.7	2.181	3.149	5.9	20.1
9 28	0 45.57	− 8 35.0	2.167	3.153	4.0	20.0
10 8	0 37.51	− 8 59.4	2.182	3.156	4.8	20.1
10 18	0 29.85	− 9 11.4	2.225	3.159	7.5	20.3
10 28	0 23.34	− 9 8.5	2.294	3.163	10.3	20.5
11 7	0 18.51	− 8 50.4	2.386	3.166	12.8	20.6

195094 2002 CR_{119} 10 4.1 111.°65 1.°6/ 5.6 18

8 29	1 4.79	+11 16.9	1.701	2.530	16.0	20.2
9 8	1 0.54	+10 57.5	1.626	2.532	12.5	20.0
9 18	0 54.04	+10 20.5	1.572	2.534	8.4	19.8
9 28	0 45.95	+ 9 28.3	1.543	2.535	4.0	19.5
10 8	0 37.25	+ 8 26.5	1.540	2.537	2.0	19.4
10 18	0 29.03	+ 7 22.0	1.565	2.539	6.1	19.7
10 28	0 22.30	+ 6 22.8	1.616	2.540	10.3	19.9
11 7	0 17.78	+ 5 35.2	1.691	2.542	14.1	20.2

257938 2000 WS_{184} 10 4.1 9.°49 6.°0/27.4 18

8 29	1 2.82	−11 34.5	2.112	2.977	11.9	20.4
9 8	0 58.55	−12 44.0	2.053	2.978	9.3	20.2
9 18	0 52.52	−13 51.8	2.018	2.978	7.0	20.1
9 28	0 45.30	−14 50.8	2.009	2.978	6.0	20.1
10 8	0 37.68	−15 34.9	2.028	2.978	7.2	20.1
10 18	0 30.49	−15 59.5	2.073	2.979	9.6	20.3
10 28	0 24.50	−16 2.6	2.142	2.979	12.1	20.5
11 7	0 20.28	−15 44.8	2.231	2.980	14.5	20.6

481048 2005 GA_{10} 10 4.1 129.°02 5.°7/12.4 16

8 29	1 4.93	+29 5.1	2.467	3.173	14.8	21.5
9 8	1 0.01	+28 36.3	2.385	3.189	12.6	21.4
9 18	0 53.37	+27 43.7	2.322	3.204	10.1	21.2
9 28	0 45.61	+26 27.1	2.284	3.218	7.6	21.1
10 8	0 37.50	+24 49.5	2.273	3.232	5.9	21.0
10 18	0 29.87	+22 56.7	2.291	3.246	6.0	21.0
10 28	0 23.47	+20 56.8	2.339	3.258	7.8	21.2
11 7	0 18.84	+18 58.4	2.416	3.271	10.2	21.3

481945 2009 CL_{49} 10 4.1 283.°03 3.°3/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.30	+12 16.9	1.863	2.672	15.6	21.3
9 8	1 4.82	+12 56.3	1.770	2.660	12.5	21.1
9 18	0 56.89	+13 22.6	1.698	2.648	8.9	20.9
9 28	0 47.12	+13 35.1	1.652	2.636	5.1	20.6
10 8	0 36.46	+13 35.0	1.633	2.624	3.4	20.5
10 18	0 26.04	+13 25.4	1.642	2.612	6.2	20.6
10 28	0 17.04	+13 11.3	1.678	2.600	10.1	20.9
11 7	0 10.31	+12 58.6	1.738	2.588	13.8	21.1

91941 1999 VR_{63} 10 4.1 47.°68 3.°4/ 1.1 18

8 29	1 6.05	− 4 27.0	1.941	2.800	13.1	18.5
9 8	1 1.02	− 4 53.6	1.884	2.810	9.8	18.4
9 18	0 54.08	− 5 22.6	1.849	2.821	6.4	18.2
9 28	0 45.89	− 5 48.9	1.840	2.832	3.7	18.0
10 8	0 37.33	− 6 7.6	1.860	2.843	4.5	18.1
10 18	0 29.32	− 6 14.6	1.907	2.854	7.6	18.3
10 28	0 22.67	− 6 7.5	1.980	2.865	10.8	18.5
11 7	0 17.97	− 5 45.6	2.075	2.877	13.7	18.8

114909 2003 QD_{28} 10 4.1 112.°61 4.°8/ 9.9 18

8 29	1 2.88	+22 9.9	2.385	3.142	14.0	19.6
9 8	0 58.60	+22 17.3	2.300	3.146	11.7	19.4
9 18	0 52.58	+22 6.1	2.236	3.150	9.0	19.2
9 28	0 45.35	+21 36.0	2.196	3.154	6.4	19.1
10 8	0 37.64	+20 49.2	2.183	3.157	4.9	19.0
10 18	0 30.26	+19 49.6	2.199	3.161	5.6	19.1
10 28	0 23.99	+18 43.2	2.242	3.165	7.9	19.2
11 7	0 19.41	+17 36.8	2.311	3.168	10.5	19.4

192248 2008 EK_{99} 10 4.1 310.°48 6.°0/28.4 18

8 29	1 5.81	−11 42.0	2.007	2.869	12.6	20.0
9 8	1 0.91	−12 32.1	1.943	2.866	9.8	19.9
9 18	0 54.07	−13 19.8	1.903	2.863	7.2	19.7
9 28	0 45.92	−13 58.5	1.889	2.861	6.0	19.6
10 8	0 37.31	−14 22.2	1.902	2.858	7.1	19.7
10 18	0 29.17	−14 27.0	1.941	2.856	9.6	19.9
10 28	0 22.36	−14 11.1	2.005	2.853	12.4	20.0
11 7	0 17.48	−13 35.5	2.090	2.851	14.9	20.2

234325 2001 DR_{55} 10 4.1 116.°63 1.°2/ 5.3 18

8 29	1 7.20	+10 3.6	2.148	2.963	13.6	21.1
9 8	1 1.76	+ 9 48.7	2.082	2.980	10.5	20.9
9 18	0 54.50	+ 9 21.0	2.038	2.997	6.9	20.7
9 28	0 46.05	+ 8 42.7	2.021	3.014	3.2	20.5
10 8	0 37.24	+ 7 58.2	2.033	3.030	1.6	20.5
10 18	0 28.91	+ 7 12.4	2.074	3.045	5.1	20.7
10 28	0 21.88	+ 6 30.7	2.143	3.060	8.6	21.0
11 7	0 16.69	+ 5 57.4	2.238	3.074	11.6	21.2

470562 2008 FH_{106} 10 4.1 217.°19 2.°7/ 1.7 17

8 29	1 7.75	− 0 2.6	1.792	2.645	14.3	22.1
9 8	1 2.70	− 0 50.1	1.714	2.638	10.8	21.9
9 18	0 55.40	− 1 46.5	1.658	2.631	6.8	21.6
9 28	0 46.49	− 2 45.8	1.628	2.623	3.2	21.4
10 8	0 36.92	− 3 41.1	1.626	2.615	4.0	21.4
10 18	0 27.77	− 4 25.7	1.652	2.606	8.0	21.6
10 28	0 20.06	− 4 54.3	1.704	2.596	11.9	21.9
11 7	0 14.53	− 5 4.3	1.778	2.586	15.4	22.1

160677 2000 CP_{81} 10 4.1 340.°85 9.°3/24.7 18

8 29	0 52.23	− 8 28.9	1.092	2.005	16.8	17.8
9 8	0 52.04	−10 46.8	1.027	1.981	13.1	17.5
9 18	0 49.15	−13 13.9	0.983	1.958	10.1	17.3
9 28	0 44.21	−15 34.1	0.961	1.937	9.5	17.2
10 8	0 38.35	−17 29.8	0.960	1.917	12.1	17.3
10 18	0 32.93	−18 47.5	0.980	1.900	16.1	17.4
10 28	0 29.31	−19 20.3	1.018	1.886	20.1	17.6
11 7	0 28.38	−19 8.8	1.071	1.873	23.7	17.8

45611 2000 DV_{54} 10 4.1 344.°80 0.°0/ 3.9 18

8 29	1 1.29	+ 6 42.5	2.164	3.001	12.7	19.0
9 8	0 57.43	+ 6 15.2	2.085	2.999	9.7	18.8
9 18	0 51.85	+ 5 36.6	2.028	2.997	6.2	18.6
9 28	0 45.07	+ 4 50.0	1.998	2.995	2.4	18.4
10 8	0 37.84	+ 4 0.1	1.996	2.993	1.5	18.3
10 18	0 30.94	+ 3 12.0	2.023	2.992	5.4	18.6
10 28	0 25.14	+ 2 31.1	2.076	2.990	9.0	18.8
11 7	0 21.01	+ 2 1.3	2.154	2.989	12.1	19.0

223469 2003 UB_{208} 10 4.1 287.°91 3.°0/ 7.8 18

8 29	1 0.24	+17 20.5	2.392	3.181	13.1	20.5
9 8	0 56.67	+16 59.8	2.288	3.164	10.6	20.3
9 18	0 51.41	+16 21.4	2.207	3.147	7.7	20.1
9 28	0 44.93	+15 26.4	2.151	3.130	4.7	19.8
10 8	0 37.91	+14 17.8	2.123	3.113	3.0	19.7
10 18	0 31.10	+13 0.8	2.123	3.095	4.9	19.8
10 28	0 25.26	+11 41.9	2.152	3.078	8.0	20.0
11 7	0 21.01	+10 27.8	2.207	3.061	11.1	20.1

46691 1997 BK_3 10 4.1 203.°65 0.°5/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.68	+ 5 34.0	1.838	2.676	14.6	19.8
9 8	1 2.61	+ 5 1.8	1.757	2.672	11.2	19.6
9 18	0 55.32	+ 4 16.9	1.698	2.668	7.1	19.3
9 28	0 46.46	+ 3 23.2	1.666	2.663	2.7	19.0
10 8	0 36.96	+ 2 26.8	1.661	2.657	2.1	19.0
10 18	0 27.87	+ 1 34.1	1.685	2.651	6.6	19.3
10 28	0 20.19	+ 0 51.4	1.736	2.645	10.8	19.5
11 7	0 14.66	+ 0 23.2	1.810	2.637	14.3	19.7

384429 2009 XY_{20} 10 4.1 267.°79 0.°4/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.62	+ 7 48.0	1.731	2.570	15.3	21.5
9 8	1 1.29	+ 7 28.4	1.642	2.556	11.9	21.2
9 18	0 54.64	+ 6 53.9	1.575	2.543	7.8	21.0
9 28	0 46.24	+ 6 7.5	1.533	2.529	3.2	20.7
10 8	0 37.07	+ 5 14.4	1.518	2.515	1.8	20.5
10 18	0 28.21	+ 4 21.3	1.530	2.501	6.5	20.8
10 28	0 20.77	+ 3 35.4	1.568	2.487	11.0	21.0
11 7	0 15.55	+ 3 2.3	1.629	2.472	14.9	21.3

483899 2006 AM_{42} 10 4.1 189.°65 1.°6/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.43	+ 0 43.7	2.942	3.781	9.7	22.6
9 8	0 57.05	− 0 1.6	2.861	3.780	7.2	22.4
9 18	0 51.39	− 0 52.6	2.807	3.778	4.5	22.2
9 28	0 44.86	− 1 45.6	2.781	3.776	2.0	22.0
10 8	0 38.00	− 2 36.6	2.784	3.774	2.5	22.1
10 18	0 31.39	− 3 21.6	2.818	3.771	5.2	22.3
10 28	0 25.60	− 3 57.2	2.881	3.767	7.8	22.4
11 7	0 21.07	− 4 21.1	2.968	3.764	10.1	22.6

454031 2012 FS_{17} 10 4.1 6.°82 0.°8/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.47	+ 4 3.8	2.171	3.014	12.5	21.5
9 8	0 58.29	+ 3 37.0	2.096	3.015	9.4	21.3
9 18	0 52.37	+ 3 1.2	2.044	3.015	5.9	21.1
9 28	0 45.28	+ 2 19.8	2.018	3.015	2.2	20.9
10 8	0 37.74	+ 1 37.5	2.020	3.016	2.0	20.9
10 18	0 30.56	+ 0 59.4	2.051	3.016	5.7	21.1
10 28	0 24.50	+ 0 29.8	2.109	3.017	9.2	21.3
11 7	0 20.14	+ 0 12.1	2.192	3.018	12.2	21.5

220969 2005 MG_{43} 10 4.1 13.°56 2.°1/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 54.13	+12 45.8	0.873	1.758	22.6	18.3
9 8	0 53.77	+12 13.8	0.828	1.765	17.7	18.0
9 18	0 50.28	+11 9.8	0.800	1.774	11.9	17.8
9 28	0 44.59	+ 9 39.6	0.790	1.785	5.6	17.5
10 8	0 38.21	+ 7 55.7	0.801	1.799	2.6	17.4
10 18	0 32.67	+ 6 13.2	0.834	1.815	8.2	17.8
10 28	0 29.34	+ 4 46.6	0.888	1.833	13.8	18.1
11 7	0 28.95	+ 3 45.2	0.960	1.852	18.6	18.5

149072 2002 CV_{76} 10 4.1 85.°11 3.°7/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.41	+16 26.1	2.173	2.963	14.2	20.1
9 8	1 0.62	+16 42.8	2.093	2.967	11.5	19.9
9 18	0 53.92	+16 43.5	2.034	2.972	8.4	19.7
9 28	0 45.90	+16 28.5	2.001	2.977	5.3	19.5
10 8	0 37.35	+16 0.0	1.995	2.981	3.7	19.4
10 18	0 29.16	+15 21.9	2.017	2.986	5.4	19.5
10 28	0 22.19	+14 39.9	2.067	2.991	8.4	19.7
11 7	0 17.07	+13 59.8	2.142	2.995	11.4	19.9

412680 2014 OL_{226} 10 4.1 123.°49 5.°3/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.44	−10 42.5	2.332	3.194	11.1	21.3
9 8	0 58.10	−11 50.1	2.274	3.198	8.6	21.2
9 18	0 52.16	−12 56.6	2.241	3.202	6.3	21.1
9 28	0 45.17	−13 55.7	2.235	3.205	5.3	21.0
10 8	0 37.84	−14 41.7	2.256	3.209	6.4	21.1
10 18	0 30.90	−15 10.6	2.305	3.213	8.7	21.2
10 28	0 25.05	−15 20.1	2.379	3.216	11.1	21.4
11 7	0 20.80	−15 10.5	2.474	3.220	13.3	21.6

444274 2005 UP_{335} 10 4.1 15.°49 5.°2/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.56	+20 57.4	1.817	2.604	16.7	20.7
9 8	0 58.09	+21 3.6	1.740	2.607	13.8	20.5
9 18	0 52.49	+20 46.9	1.682	2.610	10.6	20.3
9 28	0 45.38	+20 7.1	1.647	2.614	7.3	20.1
10 8	0 37.69	+19 7.1	1.638	2.619	5.3	20.0
10 18	0 30.42	+17 52.9	1.655	2.624	6.4	20.1
10 28	0 24.55	+16 33.0	1.698	2.629	9.4	20.3
11 7	0 20.78	+15 16.1	1.765	2.635	12.7	20.5

383561 2007 EV_{104} 10 4.1 235.°81 0.°4/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.12	+ 5 35.0	1.826	2.666	14.6	22.4
9 8	1 2.27	+ 5 10.7	1.740	2.656	11.2	22.1
9 18	0 55.17	+ 4 34.0	1.677	2.646	7.2	21.9
9 28	0 46.44	+ 3 48.4	1.639	2.636	2.7	21.6
10 8	0 37.01	+ 2 59.3	1.628	2.625	2.0	21.5
10 18	0 27.92	+ 2 13.0	1.646	2.614	6.6	21.8
10 28	0 20.21	+ 1 35.7	1.691	2.602	10.8	22.0
11 7	0 14.66	+ 1 11.9	1.758	2.590	14.5	22.2

263794 2008 QQ_{37} 10 4.1 15.°60 0.°3/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.94	+ 7 3.2	4.024	4.841	7.7	20.5
9 8	0 53.39	+ 6 50.0	3.939	4.842	5.9	20.4
9 18	0 48.95	+ 6 31.0	3.880	4.843	3.8	20.2
9 28	0 43.91	+ 6 7.6	3.849	4.844	1.6	20.1
10 8	0 38.65	+ 5 42.1	3.848	4.845	0.8	20.0
10 18	0 33.56	+ 5 16.6	3.878	4.847	3.1	20.2
10 28	0 29.01	+ 4 53.6	3.936	4.848	5.2	20.3
11 7	0 25.34	+ 4 35.2	4.022	4.849	7.1	20.5

517217 2014 AK_{57} 10 4.1 144.°76 4.°9/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.82	− 7 1.2	1.845	2.706	13.6	21.4
9 8	1 2.53	− 7 53.6	1.785	2.711	10.3	21.2
9 18	0 55.14	− 8 47.5	1.748	2.716	7.0	21.0
9 28	0 46.36	− 9 35.9	1.737	2.721	4.9	20.9
10 8	0 37.13	−10 12.4	1.753	2.726	6.0	21.0
10 18	0 28.45	−10 31.9	1.797	2.730	9.1	21.2
10 28	0 21.25	−10 31.9	1.866	2.734	12.3	21.4
11 7	0 16.15	−10 12.4	1.956	2.737	15.1	21.6

515703 2014 QB_{340} 10 4.1 60.°30 4.°2/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.02	− 4 14.6	1.993	2.857	12.5	21.1
9 8	0 57.85	− 5 44.3	1.954	2.885	9.3	21.0
9 18	0 51.99	− 7 16.8	1.940	2.912	6.2	20.8
9 28	0 45.09	− 8 44.6	1.953	2.939	4.3	20.8
10 8	0 37.97	−10 0.5	1.995	2.966	5.5	20.9
10 18	0 31.40	−10 59.0	2.063	2.994	8.2	21.1
10 28	0 26.11	−11 36.8	2.158	3.021	11.1	21.4
11 7	0 22.55	−11 53.5	2.274	3.048	13.5	21.6

125002 2001 TJ_{154} 10 4.1 14.°34 5.°9/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.74	− 5 45.9	1.219	2.106	17.3	18.5
9 8	1 1.08	− 6 42.6	1.168	2.109	13.2	18.2
9 18	0 54.62	− 7 43.1	1.137	2.113	8.8	18.0
9 28	0 46.23	− 8 37.7	1.128	2.117	6.0	17.9
10 8	0 37.24	− 9 16.6	1.144	2.123	7.3	18.0
10 18	0 29.02	− 9 33.0	1.183	2.129	11.3	18.2
10 28	0 22.80	− 9 23.7	1.243	2.136	15.4	18.5
11 7	0 19.33	− 8 49.7	1.323	2.143	19.0	18.7

114037 2002 VH_{10} 10 4.1 65.°53 8.°8/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 19.57	−17 1.3	1.433	2.288	17.1	19.3
9 8	1 11.86	−17 22.0	1.383	2.296	13.7	19.1
9 18	1 1.22	−17 31.6	1.354	2.304	10.6	18.9
9 28	0 48.70	−17 21.6	1.348	2.313	8.8	18.9
10 8	0 35.76	−16 46.4	1.369	2.321	9.7	18.9
10 18	0 23.91	−15 44.8	1.416	2.330	12.5	19.1
10 28	0 14.39	−14 19.8	1.486	2.339	15.7	19.4
11 7	0 7.89	−12 36.6	1.577	2.348	18.6	19.6

323008 2002 PX_{125} 10 4.1 9.°24 1.°9/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.80	+ 7 8.2	0.862	1.754	22.3	18.8
9 8	0 59.78	+ 7 44.8	0.815	1.756	17.3	18.5
9 18	0 54.25	+ 8 2.5	0.783	1.760	11.5	18.2
9 28	0 46.21	+ 8 3.0	0.770	1.767	5.2	17.9
10 8	0 37.27	+ 7 52.1	0.778	1.776	2.7	17.8
10 18	0 29.26	+ 7 37.3	0.807	1.787	8.6	18.2
10 28	0 23.77	+ 7 27.4	0.856	1.800	14.3	18.6
11 7	0 21.69	+ 7 29.1	0.924	1.816	19.2	18.9

220465 2004 BF_{52} 10 4.1 146.°18 0.°6/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.30	+ 8 30.0	1.851	2.678	14.9	21.3
9 8	1 2.95	+ 8 4.8	1.780	2.688	11.5	21.1
9 18	0 55.46	+ 7 25.5	1.732	2.696	7.5	20.9
9 28	0 46.52	+ 6 35.2	1.709	2.704	3.1	20.6
10 8	0 37.07	+ 5 39.4	1.715	2.712	1.6	20.5
10 18	0 28.14	+ 4 44.6	1.749	2.719	6.0	20.9
10 28	0 20.69	+ 3 57.0	1.810	2.725	10.0	21.1
11 7	0 15.36	+ 3 21.6	1.896	2.731	13.5	21.3

428643 2008 GL_4 10 4.1 153.°28 0.°1/ 4.0 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.79	+ 6 32.8	1.847	2.679	14.8	21.7
9 8	1 3.32	+ 6 5.3	1.776	2.687	11.3	21.5
9 18	0 55.71	+ 5 25.0	1.727	2.695	7.2	21.3
9 28	0 46.62	+ 4 35.8	1.705	2.701	2.8	21.0
10 8	0 37.02	+ 3 43.2	1.711	2.707	1.8	21.0
10 18	0 27.93	+ 2 53.4	1.745	2.713	6.2	21.3
10 28	0 20.32	+ 2 12.6	1.807	2.718	10.3	21.5
11 7	0 14.85	+ 1 44.8	1.892	2.722	13.7	21.7

75310 1999 XA_{39} 10 4.1 247.°57 6.°0/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.27	+25 3.8	2.307	3.045	14.9	20.0
9 8	1 0.73	+25 17.0	2.200	3.029	12.8	19.8
9 18	0 54.17	+25 9.5	2.114	3.012	10.2	19.6
9 28	0 46.09	+24 39.5	2.050	2.995	7.7	19.4
10 8	0 37.30	+23 47.9	2.013	2.978	6.1	19.3
10 18	0 28.69	+22 38.1	2.004	2.960	6.6	19.3
10 28	0 21.22	+21 16.9	2.022	2.941	8.9	19.4
11 7	0 15.62	+19 52.3	2.066	2.922	11.7	19.5

27589 Paigegentry 10 4.1 317.°52 0.°6/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.17	+ 8 7.0	1.597	2.442	16.1	19.1
9 8	1 0.30	+ 7 49.9	1.518	2.435	12.5	18.9
9 18	0 54.05	+ 7 17.1	1.459	2.428	8.2	18.6
9 28	0 46.07	+ 6 31.6	1.425	2.421	3.4	18.3
10 8	0 37.35	+ 5 39.1	1.417	2.415	1.8	18.2
10 18	0 29.04	+ 4 46.8	1.436	2.408	6.7	18.5
10 28	0 22.26	+ 4 2.0	1.480	2.402	11.2	18.7
11 7	0 17.79	+ 3 30.5	1.546	2.397	15.2	19.0

186777 2004 DY_{32} 10 4.1 90.°57 0.°7/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.18	+ 4 32.3	1.536	2.385	16.4	20.2
9 8	1 3.90	+ 4 11.9	1.477	2.398	12.5	20.0
9 18	0 56.17	+ 3 39.5	1.440	2.411	7.9	19.8
9 28	0 46.81	+ 2 59.5	1.427	2.424	2.9	19.5
10 8	0 36.94	+ 2 18.3	1.441	2.437	2.3	19.5
10 18	0 27.77	+ 1 42.2	1.482	2.450	7.1	19.8
10 28	0 20.37	+ 1 17.1	1.549	2.463	11.5	20.1
11 7	0 15.44	+ 1 6.5	1.639	2.475	15.2	20.4

449974 2015 PW_{37} 10 4.1 66.°88 4.°9/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.73	+17 37.0	1.844	2.634	16.4	21.2
9 8	1 3.46	+18 14.1	1.772	2.644	13.4	21.0
9 18	0 55.90	+18 32.9	1.721	2.655	10.0	20.8
9 28	0 46.73	+18 32.4	1.694	2.665	6.6	20.7
10 8	0 36.95	+18 14.3	1.693	2.676	4.9	20.6
10 18	0 27.66	+17 42.7	1.720	2.687	6.4	20.7
10 28	0 19.90	+17 4.1	1.773	2.698	9.6	20.9
11 7	0 14.39	+16 25.5	1.851	2.709	12.7	21.2

180947 2005 MQ_{13} 10 4.1 44.°33 1.°3/ 5.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.06	+ 9 10.6	1.168	2.026	19.9	19.9
9 8	1 2.82	+ 9 1.5	1.123	2.046	15.3	19.7
9 18	0 55.67	+ 8 32.7	1.096	2.066	10.0	19.4
9 28	0 46.63	+ 7 48.1	1.092	2.087	4.3	19.2
10 8	0 37.09	+ 6 55.4	1.111	2.109	2.1	19.1
10 18	0 28.50	+ 6 3.5	1.156	2.131	7.4	19.5
10 28	0 22.09	+ 5 21.0	1.224	2.154	12.4	19.8
11 7	0 18.54	+ 4 53.7	1.313	2.177	16.5	20.2

45105 1999 XU_{74} 10 4.1 199.°11 4.°3/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.99	− 7 57.9	2.408	3.266	10.9	19.0
9 8	0 58.51	− 8 51.7	2.340	3.265	8.3	18.8
9 18	0 52.45	− 9 46.1	2.297	3.263	5.8	18.6
9 28	0 45.34	−10 36.0	2.282	3.262	4.3	18.5
10 8	0 37.85	−11 16.0	2.294	3.261	5.3	18.6
10 18	0 30.70	−11 42.0	2.335	3.259	7.7	18.8
10 28	0 24.60	−11 51.5	2.401	3.257	10.4	18.9
11 7	0 20.06	−11 44.0	2.491	3.255	12.7	19.1

479873 2014 GR_{44} 10 4.1 294.°34 8.°8/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 14.13	−19 10.5	1.781	2.630	14.5	20.3
9 8	1 7.52	−19 47.4	1.718	2.624	11.9	20.1
9 18	0 58.43	−20 14.3	1.677	2.617	9.7	19.9
9 28	0 47.68	−20 22.9	1.661	2.611	8.8	19.9
10 8	0 36.40	−20 7.4	1.671	2.605	9.8	19.9
10 18	0 25.79	−19 25.4	1.707	2.598	12.1	20.1
10 28	0 16.96	−18 17.9	1.767	2.592	14.8	20.2
11 7	0 10.60	−16 49.0	1.847	2.586	17.4	20.4

482436 2012 CC_{56} 10 4.1 282.°71 6.°2/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.01	+23 41.0	2.192	2.943	15.3	21.4
9 8	1 0.58	+24 14.4	2.096	2.933	13.0	21.2
9 18	0 54.10	+24 28.5	2.020	2.924	10.4	21.0
9 28	0 46.08	+24 21.4	1.967	2.914	7.8	20.8
10 8	0 37.34	+23 53.4	1.940	2.904	6.3	20.7
10 18	0 28.82	+23 7.6	1.939	2.895	6.8	20.8
10 28	0 21.50	+22 10.1	1.966	2.885	9.1	20.9
11 7	0 16.11	+21 8.2	2.018	2.876	11.8	21.0

261570 2005 WY_{186} 10 4.1 223.°38 0.°3/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.33	+ 5 8.4	2.646	3.475	10.9	21.8
9 8	0 58.72	+ 4 43.3	2.556	3.466	8.3	21.6
9 18	0 52.59	+ 4 9.7	2.490	3.458	5.3	21.4
9 28	0 45.42	+ 3 30.4	2.452	3.449	2.0	21.2
10 8	0 37.80	+ 2 49.1	2.443	3.439	1.5	21.1
10 18	0 30.43	+ 2 9.9	2.464	3.430	4.9	21.3
10 28	0 23.96	+ 1 36.9	2.514	3.419	8.0	21.5
11 7	0 18.93	+ 1 13.3	2.589	3.409	10.8	21.7

264913 2002 TD_{228} 10 4.1 299.°26 3.°1/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.86	+ 3 15.5	1.414	2.285	16.3	20.2
9 8	0 58.08	+ 1 43.6	1.334	2.270	12.3	19.9
9 18	0 52.79	− 0 7.2	1.277	2.255	7.8	19.6
9 28	0 45.63	− 2 8.5	1.243	2.240	3.5	19.4
10 8	0 37.65	− 4 8.1	1.236	2.226	4.9	19.4
10 18	0 30.05	− 5 53.6	1.255	2.211	9.6	19.6
10 28	0 24.05	− 7 14.9	1.298	2.197	14.3	19.9
11 7	0 20.49	− 8 6.7	1.360	2.184	18.4	20.1

405441 2004 TD_{83} 10 4.1 43.°66 0.°5/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.35	+ 8 18.9	1.959	2.795	13.9	21.4
9 8	0 58.35	+ 7 53.3	1.892	2.804	10.7	21.2
9 18	0 52.50	+ 7 14.7	1.846	2.813	6.9	21.0
9 28	0 45.40	+ 6 26.2	1.826	2.822	2.8	20.8
10 8	0 37.87	+ 5 33.1	1.834	2.831	1.5	20.7
10 18	0 30.78	+ 4 41.1	1.870	2.841	5.5	21.0
10 28	0 24.96	+ 3 56.1	1.933	2.851	9.3	21.2
11 7	0 20.98	+ 3 22.4	2.019	2.861	12.5	21.5

285496 2000 DZ_9 10 4.1 279.°00 1.°1/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.86	+ 4 52.0	1.531	2.387	16.1	21.2
9 8	1 0.98	+ 4 11.5	1.450	2.375	12.3	20.9
9 18	0 54.58	+ 3 15.8	1.389	2.363	7.8	20.6
9 28	0 46.33	+ 2 10.0	1.352	2.350	3.0	20.3
10 8	0 37.25	+ 1 1.5	1.342	2.338	2.8	20.3
10 18	0 28.55	− 0 1.0	1.359	2.325	7.8	20.6
10 28	0 21.43	− 0 49.6	1.400	2.313	12.5	20.8
11 7	0 16.73	− 1 19.2	1.462	2.300	16.6	21.0

269630 2011 AO_{28} 10 4.1 303.°71 8.°5/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.14	−20 28.1	2.247	3.106	11.5	19.7
9 8	0 57.35	−22 14.1	2.197	3.101	9.8	19.6
9 18	0 51.84	−23 52.7	2.171	3.097	8.7	19.5
9 28	0 45.14	−25 15.5	2.172	3.092	8.8	19.5
10 8	0 38.03	−26 15.8	2.197	3.088	10.0	19.6
10 18	0 31.28	−26 49.8	2.247	3.083	11.8	19.7
10 28	0 25.68	−26 56.3	2.318	3.079	13.7	19.9
11 7	0 21.78	−26 37.2	2.407	3.075	15.5	20.0

324114 2005 XU_{109} 10 4.1 276.°42 4.°7/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.80	− 7 49.8	2.242	3.105	11.4	20.2
9 8	0 57.79	− 8 56.4	2.172	3.099	8.7	20.0
9 18	0 52.09	−10 4.6	2.126	3.093	6.1	19.9
9 28	0 45.25	−11 8.2	2.107	3.087	4.7	19.8
10 8	0 37.97	−12 1.0	2.116	3.080	5.9	19.8
10 18	0 31.02	−12 38.2	2.152	3.074	8.4	20.0
10 28	0 25.15	−12 56.5	2.214	3.068	11.2	20.2
11 7	0 20.92	−12 55.4	2.297	3.062	13.7	20.3

444938 2008 CU_{23} 10 4.2 324.°57 2.°0/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.67	+10 36.5	1.604	2.443	16.3	21.3
9 8	0 59.32	+10 38.7	1.515	2.426	12.9	21.1
9 18	0 53.54	+10 24.2	1.446	2.410	8.8	20.8
9 28	0 45.95	+ 9 54.3	1.401	2.394	4.3	20.5
10 8	0 37.49	+ 9 13.1	1.382	2.378	2.3	20.3
10 18	0 29.31	+ 8 26.9	1.388	2.364	6.5	20.6
10 28	0 22.59	+ 7 43.0	1.420	2.349	11.0	20.8
11 7	0 18.19	+ 7 8.5	1.474	2.336	15.1	21.0

21602 Ialmenus 10 4.2 235.°88 1.°6/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.24	+14 55.0	4.632	5.409	7.4	19.6
9 8	0 52.82	+14 48.9	4.536	5.406	5.9	19.5
9 18	0 48.60	+14 35.1	4.464	5.402	4.2	19.4
9 28	0 43.84	+14 14.4	4.420	5.399	2.5	19.3
10 8	0 38.86	+13 48.3	4.406	5.395	1.6	19.2
10 18	0 34.01	+13 18.7	4.422	5.392	2.7	19.3
10 28	0 29.63	+12 47.9	4.468	5.388	4.4	19.4
11 7	0 26.01	+12 18.3	4.541	5.384	6.0	19.5

207189 2005 EP_{29} 10 4.2 121.°00 1.°9/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.39	+ 0 44.4	2.185	3.028	12.4	20.8
9 8	1 1.12	+ 0 7.0	2.123	3.043	9.3	20.7
9 18	0 54.12	− 0 37.0	2.086	3.058	5.8	20.5
9 28	0 46.00	− 1 23.0	2.075	3.071	2.5	20.3
10 8	0 37.55	− 2 5.9	2.094	3.085	2.9	20.4
10 18	0 29.57	− 2 41.0	2.142	3.098	6.2	20.6
10 28	0 22.82	− 3 4.6	2.217	3.111	9.5	20.8
11 7	0 17.84	− 3 14.5	2.317	3.123	12.3	21.0

51285 2000 KM_{15} 10 4.2 250.°86 2.°8/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.91	− 1 35.7	2.135	2.987	12.3	20.1
9 8	1 0.29	− 2 18.4	2.050	2.975	9.3	19.8
9 18	0 53.79	− 3 7.3	1.989	2.962	6.0	19.6
9 28	0 45.95	− 3 57.5	1.955	2.948	3.1	19.4
10 8	0 37.54	− 4 43.2	1.949	2.935	3.9	19.4
10 18	0 29.43	− 5 19.1	1.971	2.921	7.2	19.6
10 28	0 22.46	− 5 41.0	2.020	2.907	10.6	19.8
11 7	0 17.28	− 5 46.7	2.092	2.892	13.7	20.0

48550 1993 TU_{25} 10 4.2 262.°30 2.°1/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.75	+ 0 21.0	1.895	2.747	13.6	18.6
9 8	1 1.05	− 0 8.1	1.821	2.745	10.3	18.4
9 18	0 54.30	− 0 44.6	1.770	2.743	6.5	18.1
9 28	0 46.14	− 1 23.7	1.745	2.741	2.8	17.9
10 8	0 37.44	− 1 59.9	1.748	2.739	3.3	17.9
10 18	0 29.16	− 2 27.9	1.779	2.737	7.1	18.2
10 28	0 22.22	− 2 43.3	1.836	2.735	10.8	18.4
11 7	0 17.28	− 2 43.9	1.916	2.733	14.1	18.6

19245 1994 EL_2 10 4.2 173.°52 1.°1/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.71	+ 8 47.7	2.210	3.023	13.3	19.2
9 8	1 3.80	+ 8 48.7	2.128	3.026	10.3	19.0
9 18	0 55.96	+ 8 38.5	2.069	3.028	6.9	18.8
9 28	0 46.76	+ 8 18.8	2.037	3.030	3.1	18.6
10 8	0 37.05	+ 7 52.9	2.035	3.032	1.6	18.5
10 18	0 27.71	+ 7 24.7	2.062	3.032	5.2	18.7
10 28	0 19.61	+ 6 59.0	2.118	3.033	8.8	18.9
11 7	0 13.40	+ 6 39.9	2.199	3.032	11.9	19.1

132654 2002 LD_{54} 10 4.2 63.°01 7.°6/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.24	+27 44.8	1.739	2.485	18.9	19.2
9 8	1 1.00	+28 1.4	1.675	2.503	16.1	19.1
9 18	0 54.39	+27 49.8	1.628	2.522	13.0	18.9
9 28	0 46.18	+27 8.1	1.602	2.541	10.0	18.8
10 8	0 37.44	+25 59.0	1.601	2.560	7.9	18.7
10 18	0 29.34	+24 28.8	1.625	2.579	8.0	18.8
10 28	0 22.89	+22 47.3	1.675	2.599	10.1	18.9
11 7	0 18.80	+21 5.5	1.749	2.618	12.8	19.2

308885 2006 SS_{133} 10 4.2 7.°55 2.°6/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.97	+12 53.7	1.447	2.288	17.7	20.4
9 8	0 58.04	+12 47.5	1.379	2.289	14.0	20.2
9 18	0 52.67	+12 20.5	1.330	2.291	9.7	20.0
9 28	0 45.57	+11 34.6	1.304	2.294	5.1	19.7
10 8	0 37.80	+10 35.5	1.302	2.298	2.7	19.6
10 18	0 30.56	+ 9 30.9	1.327	2.303	6.5	19.8
10 28	0 24.96	+ 8 29.7	1.375	2.309	10.9	20.1
11 7	0 21.74	+ 7 39.8	1.446	2.316	14.9	20.4

66336 1999 JB_{62} 10 4.2 41.°49 0.°8/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.28	+ 8 33.7	1.065	1.932	20.8	17.6
9 8	1 2.47	+ 8 16.3	1.021	1.949	15.9	17.4
9 18	0 55.59	+ 7 38.0	0.995	1.968	10.3	17.1
9 28	0 46.66	+ 6 44.0	0.990	1.987	4.3	16.8
10 8	0 37.20	+ 5 43.1	1.009	2.007	2.2	16.8
10 18	0 28.73	+ 4 45.3	1.052	2.027	8.0	17.2
10 28	0 22.57	+ 4 0.0	1.117	2.048	13.2	17.6
11 7	0 19.41	+ 3 32.9	1.203	2.069	17.5	17.9

147481 2004 CO_{37} 10 4.2 249.°99 2.°0/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.24	+ 4 49.2	1.587	2.444	15.6	20.1
9 8	0 59.59	+ 3 31.2	1.510	2.437	11.8	19.8
9 18	0 53.60	+ 1 56.0	1.454	2.429	7.4	19.6
9 28	0 45.94	+ 0 10.8	1.424	2.421	2.9	19.3
10 8	0 37.58	− 1 34.7	1.421	2.413	3.5	19.3
10 18	0 29.64	− 3 10.2	1.445	2.405	8.2	19.6
10 28	0 23.21	− 4 26.8	1.495	2.397	12.6	19.8
11 7	0 19.04	− 5 19.4	1.566	2.389	16.4	20.0

154105 2002 EW_4 10 4.2 305.°68 2.°1/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.44	+ 2 11.4	1.994	2.850	12.9	20.2
9 8	0 57.01	+ 1 7.9	1.913	2.840	9.7	20.0
9 18	0 51.74	− 0 6.4	1.856	2.831	6.1	19.8
9 28	0 45.17	− 1 26.0	1.826	2.822	2.7	19.5
10 8	0 38.08	− 2 43.6	1.823	2.813	3.4	19.6
10 18	0 31.31	− 3 52.5	1.848	2.804	7.1	19.8
10 28	0 25.68	− 4 46.4	1.900	2.796	10.7	20.0
11 7	0 21.83	− 5 21.9	1.974	2.788	13.9	20.2

160048 1999 TF_{185} 10 4.2 46.°90 8.°3/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.98	+23 37.9	1.406	2.185	21.1	19.1
9 8	1 5.72	+24 42.5	1.357	2.211	17.8	18.9
9 18	0 57.56	+25 19.1	1.325	2.237	14.0	18.8
9 28	0 47.44	+25 24.3	1.314	2.264	10.5	18.6
10 8	0 36.73	+24 59.5	1.326	2.292	8.4	18.6
10 18	0 26.88	+24 10.6	1.363	2.319	9.0	18.7
10 28	0 19.17	+23 7.7	1.424	2.348	11.5	18.9
11 7	0 14.37	+22 1.8	1.508	2.376	14.5	19.2

275848 2001 SP_{76} 10 4.2 61.°86 3.°1/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.98	+13 47.6	1.097	1.941	21.9	20.2
9 8	1 5.16	+13 36.7	1.056	1.967	17.2	20.0
9 18	0 57.22	+12 59.2	1.032	1.993	11.7	19.8
9 28	0 47.27	+11 58.7	1.029	2.020	6.0	19.6
10 8	0 36.88	+10 43.5	1.050	2.046	3.2	19.5
10 18	0 27.62	+ 9 24.9	1.096	2.073	7.5	19.8
10 28	0 20.79	+ 8 14.1	1.166	2.099	12.5	20.2
11 7	0 17.05	+ 7 19.5	1.256	2.125	16.8	20.5

30203 Kimdavis 10 4.2 172.°79 0.°6/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.52	+ 8 32.4	1.868	2.696	14.8	19.6
9 8	1 2.46	+ 8 10.6	1.791	2.699	11.4	19.4
9 18	0 55.25	+ 7 34.5	1.737	2.701	7.5	19.2
9 28	0 46.54	+ 6 47.3	1.707	2.703	3.1	18.9
10 8	0 37.27	+ 5 54.1	1.706	2.704	1.6	18.8
10 18	0 28.43	+ 5 1.1	1.734	2.704	6.0	19.1
10 28	0 21.01	+ 4 14.7	1.788	2.704	10.0	19.4
11 7	0 15.68	+ 3 39.9	1.867	2.704	13.5	19.6

507934 2015 AM_{123} 10 4.2 278.°14 2.°8/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.57	+13 9.0	1.404	2.237	18.6	21.7
9 8	1 2.50	+13 4.6	1.329	2.235	14.7	21.5
9 18	0 55.67	+12 38.2	1.273	2.232	10.2	21.2
9 28	0 46.80	+11 51.3	1.240	2.230	5.4	20.9
10 8	0 37.09	+10 49.2	1.232	2.227	3.0	20.8
10 18	0 27.89	+ 9 40.0	1.249	2.225	7.0	21.0
10 28	0 20.50	+ 8 33.7	1.292	2.222	11.8	21.3
11 7	0 15.82	+ 7 39.0	1.356	2.220	16.1	21.6

407479 2010 UO_{100} 10 4.2 191.°28 4.°1/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.26	+19 50.8	2.394	3.164	13.6	21.0
9 8	0 58.94	+19 50.9	2.305	3.164	11.2	20.8
9 18	0 52.88	+19 33.6	2.238	3.163	8.4	20.6
9 28	0 45.61	+18 58.8	2.195	3.162	5.7	20.5
10 8	0 37.85	+18 9.0	2.179	3.161	4.1	20.4
10 18	0 30.38	+17 8.5	2.192	3.160	5.2	20.4
10 28	0 23.98	+16 3.2	2.234	3.158	7.9	20.6
11 7	0 19.25	+14 59.5	2.301	3.156	10.7	20.8

42607 1998 DQ_{10} 10 4.2 48.°31 2.°5/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.95	+ 3 52.8	1.165	2.042	18.7	17.2
9 8	1 0.46	+ 2 38.4	1.121	2.058	14.0	17.0
9 18	0 54.21	+ 1 8.0	1.096	2.075	8.7	16.8
9 28	0 46.14	− 0 28.9	1.095	2.092	3.5	16.5
10 8	0 37.59	− 2 0.4	1.117	2.110	4.2	16.6
10 18	0 29.93	− 3 15.6	1.165	2.128	9.2	17.0
10 28	0 24.29	− 4 7.0	1.235	2.147	13.9	17.3
11 7	0 21.36	− 4 31.9	1.326	2.166	17.8	17.6

511357 2014 FL_{10} 10 4.2 90.°39 0.°2/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.19	+ 7 3.1	1.927	2.760	14.2	21.9
9 8	1 1.23	+ 6 41.7	1.864	2.775	10.8	21.7
9 18	0 54.33	+ 6 8.4	1.824	2.791	6.9	21.5
9 28	0 46.14	+ 5 26.4	1.809	2.806	2.7	21.3
10 8	0 37.56	+ 4 41.0	1.823	2.820	1.6	21.3
10 18	0 29.50	+ 3 57.6	1.866	2.835	5.7	21.6
10 28	0 22.83	+ 3 21.6	1.935	2.850	9.5	21.8
11 7	0 18.12	+ 2 56.9	2.028	2.864	12.7	22.1

211783 2004 BP_{149} 10 4.2 357.°87 0.°1/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.90	+ 6 7.5	1.676	2.525	15.3	20.6
9 8	0 59.94	+ 5 45.7	1.603	2.523	11.7	20.3
9 18	0 53.75	+ 5 10.7	1.551	2.522	7.5	20.1
9 28	0 45.99	+ 4 26.3	1.525	2.522	2.9	19.8
10 8	0 37.63	+ 3 38.2	1.525	2.522	1.9	19.8
10 18	0 29.73	+ 2 53.0	1.552	2.522	6.6	20.1
10 28	0 23.28	+ 2 17.0	1.604	2.523	10.8	20.3
11 7	0 19.01	+ 1 54.8	1.680	2.523	14.5	20.6

72381 2001 CM_{10} 10 4.2 112.°82 3.°0/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.85	− 3 6.4	2.427	3.280	11.0	19.5
9 8	0 58.35	− 3 57.9	2.366	3.291	8.2	19.3
9 18	0 52.34	− 4 53.0	2.330	3.302	5.3	19.2
9 28	0 45.36	− 5 47.0	2.321	3.312	3.1	19.0
10 8	0 38.07	− 6 34.6	2.342	3.323	3.9	19.1
10 18	0 31.17	− 7 11.7	2.391	3.333	6.6	19.3
10 28	0 25.31	− 7 35.0	2.467	3.343	9.4	19.5
11 7	0 20.97	− 7 43.2	2.566	3.352	11.8	19.7

376755 1999 VH_{70} 10 4.2 321.°49 4.°9/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.58	− 4 22.2	1.166	2.052	18.1	20.7
9 8	1 3.13	− 4 48.1	1.089	2.030	13.9	20.4
9 18	0 56.45	− 5 19.7	1.030	2.008	9.3	20.1
9 28	0 47.24	− 5 49.0	0.994	1.987	5.3	19.8
10 8	0 36.82	− 6 6.8	0.981	1.967	6.5	19.8
10 18	0 26.80	− 6 5.7	0.991	1.948	11.3	20.0
10 28	0 18.81	− 5 40.9	1.022	1.931	16.4	20.3
11 7	0 13.96	− 4 51.9	1.071	1.914	21.0	20.5

21323 1997 AZ_3 10 4.2 209.°65 7.°4/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.89	−12 24.1	1.831	2.701	13.2	18.1
9 8	0 59.74	−14 6.6	1.774	2.700	10.4	18.0
9 18	0 53.52	−15 47.6	1.741	2.698	8.1	17.8
9 28	0 45.88	−17 17.6	1.734	2.696	7.5	17.8
10 8	0 37.75	−18 27.9	1.753	2.693	8.9	17.9
10 18	0 30.08	−19 12.4	1.798	2.691	11.5	18.0
10 28	0 23.80	−19 28.8	1.865	2.689	14.2	18.2
11 7	0 19.55	−19 18.1	1.951	2.686	16.7	18.4

389520 2010 GT_{157} 10 4.2 193.°11 2.°6/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.83	− 2 10.8	2.071	2.918	12.9	21.4
9 8	1 3.22	− 2 35.6	1.996	2.917	9.7	21.2
9 18	0 55.64	− 3 5.0	1.944	2.915	6.2	20.9
9 28	0 46.70	− 3 34.3	1.920	2.913	3.1	20.7
10 8	0 37.25	− 3 58.7	1.924	2.911	3.7	20.8
10 18	0 28.21	− 4 13.8	1.956	2.908	7.1	21.0
10 28	0 20.48	− 4 16.3	2.016	2.905	10.5	21.2
11 7	0 14.68	− 4 4.8	2.099	2.902	13.5	21.4

383233 2006 BD_{37} 10 4.2 198.°52 0.°1/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.12	+ 6 35.7	1.917	2.753	14.2	22.4
9 8	1 1.38	+ 6 7.7	1.838	2.751	10.9	22.2
9 18	0 54.57	+ 5 27.0	1.781	2.749	7.0	22.0
9 28	0 46.32	+ 4 37.2	1.750	2.746	2.7	21.7
10 8	0 37.48	+ 3 43.6	1.747	2.743	1.8	21.6
10 18	0 29.04	+ 2 52.4	1.772	2.740	6.1	21.9
10 28	0 21.92	+ 2 9.5	1.824	2.737	10.1	22.1
11 7	0 16.82	+ 1 39.4	1.900	2.733	13.5	22.4

362505 2010 TM_{75} 10 4.2 67.°51 1.°3/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.78	+ 1 45.4	2.053	2.899	13.0	21.3
9 8	1 0.91	+ 1 28.0	1.982	2.902	9.8	21.1
9 18	0 54.16	+ 1 3.3	1.933	2.905	6.2	20.9
9 28	0 46.13	+ 0 35.1	1.911	2.908	2.4	20.7
10 8	0 37.63	+ 0 7.9	1.917	2.911	2.5	20.7
10 18	0 29.56	− 0 13.8	1.952	2.914	6.2	21.0
10 28	0 22.73	− 0 26.1	2.013	2.917	9.7	21.2
11 7	0 17.77	− 0 26.5	2.098	2.920	12.8	21.4

507177 2010 GF_{172} 10 4.2 163.°40 3.°5/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.72	− 5 30.0	2.272	3.117	11.9	21.8
9 8	1 3.65	− 6 1.8	2.204	3.123	9.0	21.6
9 18	0 55.78	− 6 35.2	2.160	3.128	6.0	21.4
9 28	0 46.73	− 7 5.6	2.145	3.133	3.7	21.3
10 8	0 37.28	− 7 28.2	2.158	3.137	4.4	21.3
10 18	0 28.28	− 7 39.2	2.201	3.140	7.2	21.5
10 28	0 20.52	− 7 36.4	2.271	3.143	10.2	21.7
11 7	0 14.57	− 7 19.1	2.365	3.145	12.9	21.9

226397 2003 QT_{14} 10 4.2 339.°15 4.°5/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.13	+18 56.2	2.023	2.812	15.2	19.6
9 8	0 58.45	+19 9.0	1.935	2.805	12.5	19.4
9 18	0 52.77	+19 2.9	1.868	2.800	9.4	19.2
9 28	0 45.65	+18 37.5	1.824	2.794	6.3	19.0
10 8	0 37.90	+17 55.0	1.806	2.789	4.5	18.9
10 18	0 30.45	+17 0.1	1.816	2.785	5.9	19.0
10 28	0 24.23	+15 59.5	1.852	2.781	8.9	19.2
11 7	0 19.91	+15 0.4	1.913	2.777	12.1	19.4

57141 2001 PG_{32} 10 4.2 294.°48 4.°8/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.68	− 5 16.7	1.489	2.358	15.8	19.5
9 8	1 4.04	− 5 52.3	1.408	2.340	12.1	19.2
9 18	0 56.68	− 6 32.0	1.348	2.322	8.1	18.9
9 28	0 47.25	− 7 8.7	1.313	2.303	5.0	18.7
10 8	0 36.89	− 7 34.6	1.303	2.285	6.1	18.7
10 18	0 26.93	− 7 43.3	1.319	2.267	10.2	18.9
10 28	0 18.65	− 7 30.6	1.359	2.249	14.5	19.1
11 7	0 13.00	− 6 56.1	1.419	2.232	18.3	19.3

233222 2005 YO_{13} 10 4.2 14.°16 1.°8/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.87	+ 2 54.4	1.579	2.438	15.6	20.9
9 8	1 0.77	+ 2 12.3	1.511	2.438	11.8	20.6
9 18	0 54.33	+ 1 18.3	1.464	2.439	7.4	20.4
9 28	0 46.25	+ 0 18.1	1.442	2.439	2.9	20.1
10 8	0 37.57	− 0 40.8	1.447	2.440	3.2	20.2
10 18	0 29.41	− 1 31.0	1.478	2.441	7.7	20.4
10 28	0 22.81	− 2 6.2	1.534	2.442	12.0	20.7
11 7	0 18.51	− 2 23.1	1.612	2.444	15.6	20.9

322538 2011 YN_{27} 10 4.2 332.°21 1.°3/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 55.70	− 0 25.8	4.148	4.990	7.0	20.4
9 8	0 52.50	− 0 57.7	4.068	4.987	5.2	20.3
9 18	0 48.46	− 1 32.8	4.013	4.985	3.3	20.1
9 28	0 43.86	− 2 8.7	3.987	4.982	1.5	20.0
10 8	0 39.05	− 2 42.9	3.991	4.980	1.9	20.0
10 18	0 34.40	− 3 13.0	4.026	4.977	3.8	20.2
10 28	0 30.26	− 3 36.8	4.089	4.975	5.7	20.3
11 7	0 26.94	− 3 52.9	4.177	4.973	7.4	20.4

505098 2011 YB_{77} 10 4.2 265.°55 2.°1/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.69	+ 1 25.1	1.352	2.215	17.4	21.4
9 8	1 4.95	+ 1 1.9	1.279	2.208	13.3	21.1
9 18	0 57.30	+ 0 27.8	1.226	2.201	8.5	20.8
9 28	0 47.49	− 0 11.9	1.196	2.194	3.4	20.5
10 8	0 36.79	− 0 49.5	1.193	2.186	3.7	20.5
10 18	0 26.62	− 1 17.8	1.215	2.179	8.8	20.8
10 28	0 18.37	− 1 30.6	1.261	2.172	13.7	21.1
11 7	0 12.94	− 1 24.7	1.327	2.165	18.0	21.3

437117 2012 UQ_{133} 10 4.2 18.°37 1.°7/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.16	+ 5 5.4	1.124	2.007	18.8	19.8
9 8	0 57.03	+ 4 6.5	1.076	2.016	14.1	19.6
9 18	0 52.16	+ 2 49.4	1.046	2.025	8.8	19.3
9 28	0 45.43	+ 1 22.7	1.038	2.037	3.3	19.1
10 8	0 38.12	− 0 2.5	1.054	2.049	3.5	19.1
10 18	0 31.56	− 1 14.9	1.094	2.063	8.8	19.5
10 28	0 26.93	− 2 6.1	1.156	2.078	13.7	19.8
11 7	0 24.93	− 2 32.2	1.238	2.094	17.8	20.1

333202 2012 GY_{31} 10 4.2 220.°58 0.°9/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.68	+10 21.9	2.866	3.675	10.7	21.6
9 8	0 57.43	+ 9 56.9	2.772	3.667	8.3	21.4
9 18	0 51.80	+ 9 21.1	2.701	3.659	5.5	21.2
9 28	0 45.21	+ 8 36.4	2.658	3.651	2.6	21.0
10 8	0 38.22	+ 7 46.1	2.645	3.642	1.2	20.9
10 18	0 31.44	+ 6 54.1	2.662	3.633	4.1	21.1
10 28	0 25.49	+ 6 5.0	2.708	3.623	7.1	21.3
11 7	0 20.84	+ 5 22.6	2.780	3.613	9.7	21.4

177572 2004 FU_{126} 10 4.2 290.°80 0.°6/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.45	+ 5 51.1	1.922	2.766	13.8	20.4
9 8	0 58.62	+ 5 9.1	1.842	2.761	10.5	20.2
9 18	0 52.83	+ 4 14.2	1.784	2.755	6.7	20.0
9 28	0 45.66	+ 3 10.6	1.752	2.750	2.5	19.7
10 8	0 37.94	+ 2 4.5	1.748	2.744	2.1	19.6
10 18	0 30.57	+ 1 2.6	1.772	2.739	6.3	19.9
10 28	0 24.44	+ 0 11.1	1.823	2.734	10.2	20.1
11 7	0 20.21	− 0 25.4	1.897	2.729	13.6	20.4

221913 2008 RS_{28} 10 4.2 306.°59 0.°6/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.35	+ 8 48.6	4.179	4.990	7.6	20.5
9 8	0 53.00	+ 8 32.5	4.089	4.986	5.8	20.4
9 18	0 48.79	+ 8 9.9	4.023	4.983	3.8	20.3
9 28	0 44.00	+ 7 42.4	3.986	4.979	1.7	20.1
10 8	0 38.98	+ 7 11.9	3.978	4.976	0.8	20.0
10 18	0 34.11	+ 6 40.7	4.002	4.972	2.9	20.2
10 28	0 29.75	+ 6 11.3	4.054	4.969	5.0	20.3
11 7	0 26.22	+ 5 45.9	4.134	4.965	6.8	20.5

298256 2002 VP_{96} 10 4.2 323.°96 5.°1/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.17	+17 36.6	1.526	2.343	18.1	20.1
9 8	0 58.51	+17 56.3	1.429	2.319	14.9	19.8
9 18	0 53.27	+17 53.5	1.352	2.296	11.2	19.6
9 28	0 45.99	+17 26.4	1.296	2.273	7.3	19.3
10 8	0 37.67	+16 37.1	1.264	2.252	5.1	19.1
10 18	0 29.54	+15 31.3	1.257	2.231	7.2	19.2
10 28	0 22.91	+14 18.3	1.274	2.211	11.4	19.3
11 7	0 18.77	+13 8.4	1.314	2.192	15.6	19.6

12170 Vanvollenhoven 10 4.2 36.°08 1.°7/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.37	+11 18.1	1.542	2.380	16.9	17.9
9 8	0 59.44	+10 58.7	1.495	2.406	13.1	17.7
9 18	0 53.31	+10 21.3	1.469	2.433	8.7	17.6
9 28	0 45.79	+ 9 29.7	1.467	2.460	4.1	17.4
10 8	0 37.93	+ 8 30.1	1.491	2.488	2.0	17.3
10 18	0 30.77	+ 7 29.9	1.542	2.517	6.0	17.6
10 28	0 25.25	+ 6 36.6	1.618	2.546	10.0	17.9
11 7	0 21.93	+ 5 55.7	1.717	2.575	13.5	18.2

376426 2012 HF_7 10 4.2 129.°25 4.°9/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.77	− 4 2.5	1.531	2.401	15.4	21.1
9 8	1 2.18	− 5 17.2	1.474	2.406	11.6	20.9
9 18	0 55.20	− 6 37.8	1.438	2.411	7.7	20.6
9 28	0 46.58	− 7 55.4	1.428	2.416	5.0	20.5
10 8	0 37.42	− 9 0.9	1.444	2.421	6.3	20.6
10 18	0 28.88	− 9 46.8	1.486	2.426	10.0	20.8
10 28	0 22.03	−10 8.9	1.551	2.430	13.7	21.1
11 7	0 17.57	−10 6.6	1.638	2.434	17.0	21.3

38453 1999 TU_1 10 4.2 125.°01 1.°2/ 2.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.63	+ 2 1.3	2.259	3.101	12.1	17.8
9 8	0 59.89	+ 1 38.3	2.186	3.105	9.1	17.6
9 18	0 53.45	+ 1 8.1	2.136	3.108	5.7	17.4
9 28	0 45.86	+ 0 34.5	2.114	3.111	2.2	17.1
10 8	0 37.85	+ 0 1.8	2.120	3.114	2.3	17.2
10 18	0 30.22	− 0 25.7	2.155	3.117	5.8	17.4
10 28	0 23.71	− 0 44.2	2.218	3.120	9.1	17.6
11 7	0 18.87	− 0 51.2	2.305	3.123	12.0	17.8

424485 2008 DS_{15} 10 4.2 210.°27 1.°9/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.61	+ 2 27.7	1.785	2.633	14.5	21.8
9 8	1 2.69	+ 1 40.5	1.706	2.628	11.0	21.5
9 18	0 55.51	+ 0 42.2	1.649	2.622	7.0	21.3
9 28	0 46.73	− 0 22.0	1.618	2.615	2.8	21.0
10 8	0 37.30	− 1 24.9	1.616	2.608	3.2	21.0
10 18	0 28.27	− 2 19.5	1.641	2.601	7.5	21.3
10 28	0 20.68	− 2 59.6	1.693	2.592	11.6	21.5
11 7	0 15.26	− 3 21.9	1.767	2.584	15.1	21.7

424336 2007 UW_{103} 10 4.2 24.°77 0.°3/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.47	+ 7 21.6	1.015	1.894	20.6	20.2
9 8	0 59.85	+ 6 43.2	0.965	1.901	15.8	20.0
9 18	0 54.13	+ 5 42.8	0.933	1.910	10.1	19.7
9 28	0 46.24	+ 4 27.4	0.922	1.920	3.8	19.4
10 8	0 37.65	+ 3 7.9	0.933	1.930	2.6	19.4
10 18	0 29.92	+ 1 56.2	0.968	1.942	8.7	19.8
10 28	0 24.42	+ 1 2.5	1.024	1.955	14.2	20.1
11 7	0 21.93	+ 0 32.3	1.100	1.968	18.7	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
213503	2002 GM_{80}		10 4.2	80.°06	3.°0/ 2.2	17
	h m	° ′			°	m
8 29	1 11.13	− 0 37.3	1.352	2.216	17.4	19.9
9 8	1 5.64	− 1 7.5	1.301	2.231	13.1	19.7
9 18	0 57.44	− 1 45.5	1.270	2.245	8.3	19.4
9 28	0 47.44	− 2 24.8	1.264	2.260	3.7	19.2
10 8	0 36.94	− 2 57.8	1.283	2.274	4.3	19.3
10 18	0 27.30	− 3 18.2	1.329	2.288	8.8	19.6
10 28	0 19.69	− 3 21.7	1.399	2.303	13.2	19.9
11 7	0 14.81	− 3 7.2	1.489	2.317	16.9	20.2
405744	2005 YA_{70}		10 4.2	358.°08	6.°6/27.4	18
8 29	1 2.32	−11 39.9	1.881	2.753	12.9	20.3
9 8	0 58.48	−12 52.3	1.824	2.751	10.1	20.2
9 18	0 52.69	−14 2.9	1.789	2.750	7.6	20.0
9 28	0 45.59	−15 3.8	1.780	2.750	6.6	19.9
10 8	0 38.04	−15 47.8	1.798	2.749	7.8	20.0
10 18	0 30.95	−16 10.3	1.840	2.750	10.4	20.2
10 28	0 25.18	−16 8.9	1.907	2.750	13.2	20.4
11 7	0 21.33	−15 44.6	1.993	2.751	15.7	20.6
481379	2006 KE_{102}		10 4.2	289.°35	9.°4/24.7	18
8 29	1 5.77	−18 28.9	1.753	2.619	13.9	21.4
9 8	1 1.30	−20 1.0	1.701	2.614	11.5	21.2
9 18	0 54.59	−21 25.4	1.671	2.610	9.8	21.1
9 28	0 46.35	−22 32.3	1.665	2.606	9.5	21.1
10 8	0 37.58	−23 13.6	1.684	2.601	10.9	21.2
10 18	0 29.36	−23 24.8	1.727	2.597	13.2	21.3
10 28	0 22.68	−23 5.5	1.790	2.593	15.6	21.5
11 7	0 18.21	−22 18.5	1.872	2.588	17.9	21.7
38498	1999 TX_{148}		10 4.2	33.°15	1.°4/ 5.5	18
8 29	1 3.39	+10 9.3	1.787	2.620	15.2	18.8
9 8	0 59.37	+10 0.7	1.722	2.630	11.8	18.6
9 18	0 53.30	+ 9 37.1	1.678	2.641	7.9	18.4
9 28	0 45.84	+ 9 1.1	1.659	2.652	3.7	18.2
10 8	0 37.91	+ 8 17.4	1.666	2.663	1.8	18.1
10 18	0 30.47	+ 7 31.9	1.702	2.675	5.6	18.3
10 28	0 24.44	+ 6 50.7	1.763	2.688	9.6	18.6
11 7	0 20.44	+ 6 19.0	1.848	2.701	13.0	18.9
468853	2013 AT_{131}		10 4.2	264.°04	3.°6/26.3	18
8 29	0 55.33	−12 57.1	4.366	5.220	6.5	21.3
9 8	0 52.22	−13 56.5	4.299	5.216	5.1	21.2
9 18	0 48.29	−14 54.5	4.259	5.211	3.9	21.1
9 28	0 43.82	−15 47.8	4.248	5.206	3.6	21.1
10 8	0 39.14	−16 33.5	4.266	5.201	4.3	21.1
10 18	0 34.61	−17 9.2	4.312	5.197	5.5	21.2
10 28	0 30.57	−17 33.4	4.384	5.192	7.0	21.3
11 7	0 27.33	−17 45.5	4.480	5.187	8.3	21.4
365393	2009 VM_{108}		10 4.2	61.°79	2.°6/ 7.6	18
8 29	1 0.45	+16 54.4	2.265	3.060	13.6	20.4
9 8	0 56.82	+16 19.4	2.185	3.065	10.9	20.2
9 18	0 51.54	+15 26.1	2.128	3.071	7.7	20.0
9 28	0 45.14	+14 16.7	2.095	3.077	4.5	19.8
10 8	0 38.34	+12 55.6	2.091	3.083	2.6	19.7
10 18	0 31.90	+11 29.0	2.116	3.090	4.7	19.9
10 28	0 26.54	+10 3.8	2.169	3.096	7.9	20.1
11 7	0 22.81	+ 8 46.6	2.248	3.102	10.9	20.3
188189	2002 PL_{84}		10 4.2	8.°33	0.°3/ 3.9	18 R
8 29	1 5.61	+ 4 52.0	1.139	2.012	19.3	19.1
9 8	1 2.12	+ 4 47.9	1.079	2.013	14.8	18.8
9 18	0 55.58	+ 4 28.8	1.038	2.014	9.5	18.5
9 28	0 46.84	+ 3 58.8	1.019	2.017	3.6	18.2
10 8	0 37.29	+ 3 25.3	1.023	2.020	2.5	18.1
10 18	0 28.46	+ 2 56.0	1.051	2.025	8.3	18.5
10 28	0 21.75	+ 2 38.3	1.102	2.030	13.6	18.8
11 7	0 18.02	+ 2 36.8	1.172	2.036	18.1	19.1
451614	2012 DH_{77}		10 4.2	251.°00	2.°1/ 1.7	18
8 29	1 3.36	− 0 25.4	2.579	3.423	10.7	22.1
9 8	0 58.87	− 1 5.0	2.486	3.406	8.1	21.9
9 18	0 52.81	− 1 50.6	2.418	3.390	5.1	21.7
9 28	0 45.65	− 2 38.2	2.378	3.373	2.4	21.5
10 8	0 38.01	− 3 23.4	2.367	3.355	3.0	21.5
10 18	0 30.57	− 4 1.5	2.386	3.338	6.0	21.7
10 28	0 24.04	− 4 28.8	2.432	3.319	9.0	21.8
11 7	0 18.97	− 4 43.0	2.503	3.301	11.7	22.0
476953	2008 XO_{34}		10 4.2	250.°71	6.°5/10.8	18
8 29	1 5.38	+24 35.4	1.985	2.738	16.6	21.7
9 8	1 1.13	+24 54.2	1.889	2.728	14.1	21.5
9 18	0 54.63	+24 50.0	1.813	2.718	11.3	21.3
9 28	0 46.45	+24 20.7	1.759	2.708	8.4	21.1
10 8	0 37.49	+23 27.4	1.730	2.697	6.6	20.9
10 18	0 28.80	+22 14.4	1.728	2.687	7.2	21.0
10 28	0 21.45	+20 49.5	1.752	2.676	9.7	21.1
11 7	0 16.24	+19 22.1	1.802	2.665	12.8	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
410097	2007 EC_{86}		10 4.2	138.°68	0.°3/ 3.9	18
	h m	° ′			°	m
8 29	1 6.81	+ 4 4.4	2.729	3.552	10.8	21.2
9 8	1 1.22	+ 3 59.6	2.654	3.561	8.2	21.0
9 18	0 54.16	+ 3 48.3	2.604	3.570	5.2	20.9
9 28	0 46.13	+ 3 32.8	2.583	3.579	2.0	20.7
10 8	0 37.76	+ 3 16.0	2.591	3.587	1.4	20.6
10 18	0 29.73	+ 3 0.9	2.630	3.595	4.6	20.9
10 28	0 22.67	+ 2 50.6	2.698	3.603	7.5	21.1
11 7	0 17.09	+ 2 47.4	2.792	3.610	10.1	21.3
188448	2004 HW_{35}		10 4.2	70.°26	5.°0/30.4	18
8 29	1 8.51	− 4 56.3	1.432	2.303	16.2	20.1
9 8	1 3.50	− 5 52.2	1.385	2.318	12.2	19.9
9 18	0 56.00	− 6 51.5	1.360	2.333	8.0	19.7
9 28	0 46.88	− 7 45.8	1.359	2.348	5.1	19.5
10 8	0 37.34	− 8 27.1	1.384	2.364	6.3	19.7
10 18	0 28.60	− 8 49.3	1.435	2.379	9.9	19.9
10 28	0 21.73	− 8 49.5	1.509	2.394	13.7	20.2
11 7	0 17.36	− 8 28.2	1.604	2.409	16.9	20.4
150445	2000 GD_{161}		10 4.2	223.°96	2.°6/ 2.2	18
8 29	1 8.59	− 0 19.4	1.628	2.485	15.3	20.1
9 8	1 3.58	− 0 49.1	1.556	2.482	11.6	19.8
9 18	0 56.15	− 1 26.6	1.506	2.480	7.3	19.6
9 28	0 47.01	− 2 6.4	1.481	2.477	3.3	19.3
10 8	0 37.20	− 2 42.1	1.483	2.474	3.9	19.4
10 18	0 27.91	− 3 7.4	1.513	2.471	8.1	19.6
10 28	0 20.22	− 3 17.8	1.567	2.468	12.2	19.9
11 7	0 14.89	− 3 11.1	1.644	2.465	15.8	20.1
392517	2011 QM_{27}		10 4.2	295.°15	6.°8/26.0	18
8 29	1 0.93	− 7 54.1	1.733	2.610	13.5	20.3
9 8	0 57.66	−10 10.5	1.671	2.605	10.4	20.1
9 18	0 52.31	−12 31.6	1.634	2.600	7.7	19.9
9 28	0 45.50	−14 46.1	1.624	2.595	6.9	19.8
10 8	0 38.13	−16 42.5	1.641	2.591	8.6	19.9
10 18	0 31.17	−18 12.1	1.684	2.586	11.6	20.1
10 28	0 25.56	−19 10.2	1.750	2.581	14.7	20.3
11 7	0 21.97	−19 36.7	1.835	2.577	17.4	20.5
289053	2004 TQ_{177}		10 4.2	61.°32	0.°3/ 4.6	18
8 29	1 1.13	+ 9 7.8	2.131	2.961	13.1	20.7
9 8	0 57.38	+ 8 23.7	2.056	2.966	10.1	20.5
9 18	0 51.92	+ 7 25.6	2.005	2.970	6.5	20.3
9 28	0 45.30	+ 6 17.3	1.980	2.975	2.7	20.0
10 8	0 38.27	+ 5 4.4	1.983	2.980	1.4	19.9
10 18	0 31.60	+ 3 53.1	2.015	2.985	5.3	20.2
10 28	0 26.07	+ 2 49.7	2.074	2.990	8.9	20.5
11 7	0 22.21	+ 1 58.8	2.158	2.995	12.0	20.7
288129	2003 WO_{79}		10 4.2	320.°72	2.°6/ 6.3	18
8 29	1 2.09	+12 14.3	1.493	2.332	17.3	20.5
9 8	0 59.16	+12 15.2	1.401	2.311	13.8	20.2
9 18	0 53.66	+11 56.4	1.329	2.290	9.6	19.9
9 28	0 46.16	+11 18.7	1.279	2.270	5.1	19.6
10 8	0 37.67	+10 26.2	1.254	2.250	2.8	19.4
10 18	0 29.43	+ 9 26.0	1.255	2.231	6.8	19.6
10 28	0 22.71	+ 8 27.1	1.280	2.213	11.6	19.9
11 7	0 18.47	+ 7 37.9	1.327	2.196	16.0	20.1
80959	2000 DK_{105}		10 4.2	72.°72	5.°7/28.9	18
8 29	1 6.65	− 4 51.5	1.446	2.320	15.9	18.8
9 8	1 1.93	− 6 36.3	1.412	2.346	11.9	18.6
9 18	0 54.88	− 8 24.1	1.401	2.373	8.0	18.5
9 28	0 46.41	−10 4.2	1.415	2.399	5.8	18.4
10 8	0 37.66	−11 26.2	1.455	2.426	7.2	18.6
10 18	0 29.76	−12 23.4	1.521	2.452	10.6	18.8
10 28	0 23.66	−12 52.5	1.610	2.477	14.0	19.1
11 7	0 19.93	−12 54.8	1.720	2.503	16.8	19.4
354008	2001 DQ_{55}		10 4.2	322.°77	1.°6/ 7.0	18
8 29	0 57.77	+13 28.5	3.950	4.738	8.4	20.6
9 8	0 54.17	+13 27.9	3.853	4.731	6.6	20.5
9 18	0 49.60	+13 19.1	3.781	4.725	4.7	20.4
9 28	0 44.36	+13 2.9	3.736	4.718	2.7	20.2
10 8	0 38.85	+12 41.0	3.721	4.712	1.7	20.1
10 18	0 33.48	+12 15.4	3.735	4.706	3.1	20.2
10 28	0 28.67	+11 48.8	3.779	4.700	5.1	20.4
11 7	0 24.77	+11 23.9	3.851	4.694	7.0	20.5
493782	2015 UT_{42}		10 4.2	241.°59	0.°0/ 4.0	18
8 29	1 0.62	+ 8 27.8	2.654	3.476	11.1	21.8
9 8	0 56.77	+ 7 31.0	2.558	3.464	8.5	21.6
9 18	0 51.46	+ 6 21.8	2.487	3.452	5.5	21.4
9 28	0 45.14	+ 5 3.5	2.443	3.439	2.1	21.2
10 8	0 38.39	+ 3 41.0	2.429	3.426	1.4	21.1
10 18	0 31.85	+ 2 19.9	2.446	3.413	4.8	21.3
10 28	0 26.17	+ 1 5.9	2.492	3.399	8.0	21.5
11 7	0 21.87	+ 0 3.5	2.564	3.385	10.8	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
330309 2006 UL_4			10 4.2 258.°51		0.°9/ 4.9 18	
	h m	° ′			°	m
8 29	1 6.54	+ 9 5.9	1.488	2.331	17.2	20.9
9 8	1 2.31	+ 8 47.0	1.414	2.329	13.3	20.7
9 18	0 55.49	+ 8 10.4	1.360	2.327	8.8	20.4
9 28	0 46.80	+ 7 19.2	1.330	2.326	3.8	20.1
10 8	0 37.37	+ 6 19.7	1.326	2.324	1.9	20.0
10 18	0 28.43	+ 5 19.8	1.349	2.322	6.9	20.3
10 28	0 21.20	+ 4 27.8	1.396	2.320	11.7	20.6
11 7	0 16.48	+ 3 50.0	1.466	2.318	15.8	20.8
59355 1999 CL_{153}			10 4.2 197.°36		0.°1/ 4.4 18	
8 29	0 55.48	+ 6 23.3	4.860	5.676	6.5	20.6
9 8	0 52.25	+ 6 2.9	4.771	5.675	4.9	20.5
9 18	0 48.28	+ 5 37.6	4.709	5.673	3.1	20.3
9 28	0 43.84	+ 5 9.0	4.676	5.672	1.2	20.2
10 8	0 39.21	+ 4 38.9	4.673	5.670	0.7	20.1
10 18	0 34.71	+ 4 9.3	4.701	5.668	2.6	20.3
10 28	0 30.64	+ 3 42.2	4.758	5.666	4.4	20.4
11 7	0 27.28	+ 3 19.4	4.843	5.664	6.1	20.6
177155 2003 SE_{23}			10 4.2 320.°81		0.°9/ 4.7 18	
8 29	1 8.65	+ 6 24.4	1.244	2.103	18.9	19.7
9 8	1 4.54	+ 6 41.8	1.168	2.092	14.7	19.4
9 18	0 57.28	+ 6 45.0	1.110	2.082	9.8	19.1
9 28	0 47.62	+ 6 35.9	1.075	2.071	4.1	18.7
10 8	0 36.85	+ 6 19.1	1.064	2.062	2.2	18.6
10 18	0 26.53	+ 6 0.7	1.078	2.053	8.0	18.9
10 28	0 18.22	+ 5 48.1	1.115	2.044	13.4	19.2
11 7	0 12.95	+ 5 47.0	1.173	2.036	18.1	19.4
319200 2005 YU_{175}			10 4.2 157.°84		6.°0/11.7 17	
8 29	1 5.22	+26 13.0	2.601	3.322	13.8	20.9
9 8	1 0.43	+26 40.2	2.512	3.326	11.8	20.7
9 18	0 53.89	+26 49.2	2.444	3.328	9.6	20.6
9 28	0 46.11	+26 38.4	2.399	3.331	7.4	20.5
10 8	0 37.81	+26 8.6	2.380	3.333	6.1	20.4
10 18	0 29.78	+25 22.7	2.389	3.336	6.3	20.4
10 28	0 22.81	+24 25.6	2.426	3.338	7.9	20.5
11 7	0 17.51	+23 23.8	2.489	3.339	10.1	20.6
512200 2015 TT_{11}			10 4.2 91.°32		3.°3/ 7.8 18	
8 29	1 5.28	+16 57.2	2.056	2.848	14.9	20.9
9 8	1 0.56	+16 46.7	1.989	2.866	11.9	20.7
9 18	0 53.96	+16 17.8	1.943	2.883	8.6	20.5
9 28	0 46.11	+15 32.0	1.922	2.901	5.2	20.4
10 8	0 37.86	+14 33.1	1.928	2.918	3.3	20.3
10 18	0 30.10	+13 27.0	1.964	2.935	5.2	20.4
10 28	0 23.66	+12 20.5	2.026	2.952	8.5	20.7
11 7	0 19.11	+11 20.0	2.115	2.969	11.5	20.9
354482 2004 EV_{15}			10 4.2 286.°31		1.°1/ 5.3 18	
8 29	1 3.58	+ 9 57.0	1.895	2.725	14.6	20.7
9 8	0 59.68	+ 9 37.8	1.802	2.709	11.4	20.4
9 18	0 53.66	+ 9 3.1	1.731	2.694	7.6	20.2
9 28	0 46.09	+ 8 15.2	1.685	2.678	3.5	19.9
10 8	0 37.81	+ 7 18.6	1.666	2.663	1.7	19.7
10 18	0 29.78	+ 6 19.7	1.675	2.648	5.8	20.0
10 28	0 23.00	+ 5 25.4	1.710	2.632	10.0	20.2
11 7	0 18.21	+ 4 41.7	1.770	2.617	13.7	20.4
35332 1997 EY_{52}			10 4.2 143.°88		0.°4/ 3.8 18	
8 29	1 3.46	+ 5 29.7	2.476	3.307	11.5	19.8
9 8	0 58.88	+ 4 59.2	2.402	3.313	8.7	19.6
9 18	0 52.77	+ 4 19.7	2.351	3.319	5.5	19.4
9 28	0 45.64	+ 3 34.3	2.328	3.325	2.1	19.2
10 8	0 38.14	+ 2 47.3	2.335	3.331	1.5	19.2
10 18	0 30.98	+ 2 3.2	2.371	3.336	5.0	19.4
10 28	0 24.83	+ 1 26.2	2.435	3.342	8.2	19.6
11 7	0 20.19	+ 0 59.5	2.524	3.346	10.9	19.8
363283 2002 GT_{169}			10 4.2 60.°32		3.°2/ 8.2 15	
8 29	1 1.66	+18 35.9	2.080	2.869	14.8	20.9
9 8	0 57.79	+18 0.1	2.015	2.890	11.9	20.7
9 18	0 52.16	+17 4.1	1.971	2.910	8.6	20.6
9 28	0 45.40	+15 50.2	1.953	2.931	5.2	20.4
10 8	0 38.31	+14 23.4	1.962	2.952	3.2	20.3
10 18	0 31.70	+12 50.7	2.000	2.973	5.0	20.5
10 28	0 26.34	+11 19.8	2.066	2.994	8.2	20.7
11 7	0 22.74	+ 9 57.7	2.158	3.015	11.2	21.0
315184 2007 JM_{42}			10 4.2 159.°18		6.°7/23.6 18	
8 29	1 1.69	−18 1.2	2.750	3.603	9.9	20.5
9 8	0 57.47	−19 42.3	2.702	3.607	8.1	20.4
9 18	0 51.83	−21 18.1	2.680	3.612	6.9	20.3
9 28	0 45.26	−22 42.0	2.686	3.616	6.9	20.3
10 8	0 38.37	−23 48.6	2.719	3.620	7.9	20.4
10 18	0 31.79	−24 34.2	2.779	3.623	9.6	20.5
10 28	0 26.14	−24 57.4	2.862	3.626	11.3	20.7
11 7	0 21.90	−24 59.0	2.965	3.629	12.9	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
340398 2006 EJ_{33}			10 4.2	0.°12	4.°4/ 6.7 18	
	h m	° ′			°	m
8 29	1 1.08	+11 20.4	1.003	1.875	21.5	19.2
9 8	0 59.16	+12 16.6	0.943	1.869	17.2	18.9
9 18	0 53.98	+12 52.4	0.899	1.866	12.2	18.7
9 28	0 46.34	+13 6.7	0.875	1.865	7.0	18.4
10 8	0 37.68	+13 1.9	0.872	1.866	4.4	18.2
10 18	0 29.64	+12 44.1	0.891	1.870	8.2	18.5
10 28	0 23.83	+12 22.4	0.931	1.875	13.4	18.8
11 7	0 21.24	+12 5.8	0.990	1.883	18.0	19.1
320624 2008 CT_{40}			10 4.2 132.°85		3.°4/ 7.1 17	
8 29	1 8.49	+15 8.8	1.637	2.447	17.3	20.6
9 8	1 3.58	+15 10.0	1.564	2.454	13.9	20.4
9 18	0 56.19	+14 50.7	1.512	2.461	9.8	20.2
9 28	0 47.06	+14 11.7	1.483	2.467	5.7	20.0
10 8	0 37.28	+13 17.4	1.481	2.473	3.5	19.9
10 18	0 28.03	+12 14.3	1.506	2.479	6.3	20.0
10 28	0 20.44	+11 11.1	1.557	2.484	10.4	20.3
11 7	0 15.28	+10 15.6	1.632	2.490	14.1	20.5
73442 Feruglio			10 4.2 347.°93		1.°5/ 2.7 18	
8 29	1 0.40	+ 2 55.7	1.869	2.727	13.6	18.6
9 8	0 57.13	+ 2 16.8	1.793	2.720	10.2	18.4
9 18	0 51.93	+ 1 27.6	1.740	2.715	6.4	18.2
9 28	0 45.38	+ 0 32.7	1.712	2.710	2.5	17.9
10 8	0 38.30	− 0 21.5	1.712	2.706	2.7	17.9
10 18	0 31.58	− 1 9.0	1.738	2.702	6.7	18.2
10 28	0 26.08	− 1 44.2	1.791	2.699	10.5	18.4
11 7	0 22.45	− 2 3.8	1.866	2.697	13.8	18.6
133158 2003 QE_{27}			10 4.2 346.°27		1.°2/ 2.7 18	
8 29	0 59.27	+ 5 37.4	2.135	2.981	12.6	19.5
9 8	0 56.02	+ 4 24.4	2.058	2.979	9.5	19.3
9 18	0 51.09	+ 2 58.5	2.004	2.977	5.9	19.0
9 28	0 45.03	+ 1 24.9	1.977	2.975	2.2	18.8
10 8	0 38.52	− 0 9.3	1.980	2.974	2.4	18.8
10 18	0 32.35	− 1 36.9	2.011	2.972	6.1	19.1
10 28	0 27.24	− 2 51.5	2.069	2.971	9.6	19.3
11 7	0 23.76	− 3 48.6	2.152	2.970	12.7	19.5
167494 2003 YO_{83}			10 4.2 206.°76		1.°3/ 5.6 18	
8 29	1 5.15	+10 44.1	2.205	3.019	13.3	20.9
9 8	1 0.49	+10 25.0	2.117	3.015	10.4	20.7
9 18	0 53.98	+ 9 52.1	2.053	3.011	7.0	20.5
9 28	0 46.17	+ 9 7.5	2.014	3.006	3.3	20.2
10 8	0 37.83	+ 8 15.3	2.004	3.001	1.6	20.1
10 18	0 29.79	+ 7 20.6	2.024	2.996	5.1	20.3
10 28	0 22.89	+ 6 29.4	2.071	2.990	8.7	20.6
11 7	0 17.76	+ 5 46.6	2.143	2.983	11.9	20.8
448682 2010 WV_9			10 4.2 350.°71		1.°7/ 2.8 18	
8 29	1 5.03	+ 0 41.0	1.708	2.567	14.6	20.6
9 8	1 0.81	+ 0 30.5	1.634	2.562	11.0	20.4
9 18	0 54.36	+ 0 12.7	1.583	2.557	7.0	20.2
9 28	0 46.35	− 0 8.3	1.557	2.554	2.8	19.9
10 8	0 37.73	− 0 27.2	1.557	2.551	3.0	19.9
10 18	0 29.54	− 0 39.1	1.584	2.548	7.2	20.2
10 28	0 22.80	− 0 40.0	1.637	2.547	11.2	20.4
11 7	0 18.21	− 0 27.4	1.712	2.546	14.7	20.6
349805 2009 BR_{106}			10 4.2 243.°10		1.°9/ 5.9 18	
8 29	1 7.02	+11 17.8	2.181	2.991	13.6	21.5
9 8	1 2.04	+11 18.1	2.084	2.978	10.7	21.2
9 18	0 55.08	+11 5.1	2.010	2.964	7.4	21.0
9 28	0 46.65	+10 39.8	1.961	2.951	3.8	20.8
10 8	0 37.54	+10 5.4	1.941	2.936	2.0	20.6
10 18	0 28.66	+ 9 26.1	1.950	2.922	5.3	20.8
10 28	0 20.92	+ 8 47.5	1.987	2.907	8.9	21.0
11 7	0 15.03	+ 8 14.7	2.049	2.891	12.3	21.2
278987 2008 UW_{205}			10 4.2 12.°98		0.°9/ 3.5 18	
8 29	0 59.67	+ 6 52.0	1.243	2.115	18.1	18.5
9 8	0 57.33	+ 5 57.2	1.185	2.118	13.7	18.3
9 18	0 52.38	+ 4 42.8	1.146	2.123	8.7	18.0
9 28	0 45.62	+ 3 15.7	1.130	2.128	3.2	17.7
10 8	0 38.22	+ 1 46.2	1.139	2.135	2.7	17.7
10 18	0 31.46	+ 0 25.3	1.172	2.143	8.1	18.1
10 28	0 26.49	− 0 37.6	1.228	2.152	13.0	18.4
11 7	0 24.03	− 1 17.3	1.305	2.161	17.1	18.7
492282 2013 YS_{12}			10 4.2 298.°50		0.°6/ 5.0 16	
8 29	0 59.61	+ 8 35.8	2.937	3.756	10.2	22.3
9 8	0 55.93	+ 8 16.5	2.834	3.736	7.9	22.1
9 18	0 50.93	+ 7 47.7	2.754	3.716	5.2	21.9
9 28	0 44.97	+ 7 11.3	2.703	3.697	2.3	21.7
10 8	0 38.58	+ 6 30.4	2.680	3.677	1.1	21.5
10 18	0 32.35	+ 5 48.4	2.687	3.658	4.1	21.7
10 28	0 26.85	+ 5 9.5	2.723	3.638	7.0	21.9
11 7	0 22.58	+ 4 37.1	2.784	3.619	9.7	22.0

379997 2013 CM_{156} 10 4.2 325.°76 2.°4/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 55.39	− 5 25.5	4.039	4.891	7.0	20.5
9 8	0 52.34	− 6 12.2	3.962	4.886	5.2	20.4
9 18	0 48.43	− 7 0.3	3.911	4.881	3.5	20.2
9 28	0 43.95	− 7 47.0	3.890	4.875	2.4	20.2
10 8	0 39.24	− 8 29.4	3.898	4.870	3.0	20.2
10 18	0 34.69	− 9 4.7	3.935	4.865	4.7	20.3
10 28	0 30.66	− 9 30.9	4.001	4.861	6.5	20.4
11 7	0 27.46	− 9 46.8	4.091	4.856	8.1	20.6

112492 2002 PA_6 10 4.2 124.°34 1.°3/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.32	+10 52.5	1.887	2.712	14.8	20.2
9 8	1 0.09	+10 29.3	1.810	2.714	11.5	20.0
9 18	0 53.82	+ 9 50.1	1.756	2.717	7.7	19.7
9 28	0 46.13	+ 8 57.6	1.726	2.719	3.6	19.5
10 8	0 37.91	+ 7 57.0	1.724	2.721	1.7	19.4
10 18	0 30.10	+ 6 54.5	1.750	2.723	5.6	19.6
10 28	0 23.62	+ 5 57.2	1.803	2.725	9.6	19.9
11 7	0 19.13	+ 5 10.7	1.880	2.727	13.0	20.1

144519 2004 EM_{78} 10 4.2 272.°51 2.°4/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.36	+ 2 26.5	1.975	2.829	13.1	20.0
9 8	0 57.82	+ 1 9.0	1.890	2.817	9.9	19.8
9 18	0 52.39	− 0 20.8	1.830	2.804	6.2	19.5
9 28	0 45.59	− 1 56.7	1.796	2.792	2.8	19.3
10 8	0 38.22	− 3 30.8	1.791	2.779	3.7	19.3
10 18	0 31.15	− 4 55.2	1.813	2.767	7.4	19.5
10 28	0 25.24	− 6 3.1	1.863	2.754	11.1	19.7
11 7	0 21.14	− 6 50.5	1.935	2.742	14.4	19.9

332015 2005 NY_{54} 10 4.2 357.°20 0.°9/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 55.52	+ 5 58.9	0.931	1.828	20.5	19.6
9 8	0 54.94	+ 5 25.7	0.873	1.820	15.7	19.3
9 18	0 51.26	+ 4 30.4	0.833	1.815	10.0	18.9
9 28	0 45.29	+ 3 19.7	0.813	1.811	3.8	18.6
10 8	0 38.41	+ 2 4.9	0.813	1.810	3.1	18.5
10 18	0 32.18	+ 0 58.6	0.835	1.811	9.3	18.9
10 28	0 28.08	+ 0 11.8	0.877	1.814	15.1	19.2
11 7	0 26.98	− 0 9.3	0.938	1.820	19.9	19.6

225221 2008 SN_{22} 10 4.2 17.°51 0.°4/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.89	+ 8 7.3	3.720	4.537	8.3	20.5
9 8	0 53.53	+ 7 48.4	3.638	4.539	6.3	20.4
9 18	0 49.21	+ 7 22.6	3.580	4.542	4.1	20.2
9 28	0 44.26	+ 6 51.5	3.551	4.545	1.8	20.1
10 8	0 39.07	+ 6 17.7	3.551	4.548	0.9	20.0
10 18	0 34.06	+ 5 43.8	3.581	4.551	3.2	20.2
10 28	0 29.64	+ 5 12.5	3.640	4.554	5.5	20.3
11 7	0 26.15	+ 4 46.4	3.726	4.558	7.5	20.5

394997 2009 BG_{71} 10 4.2 202.°55 6.°6/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.69	−14 49.8	2.389	3.244	11.1	21.7
9 8	0 59.97	−16 18.7	2.326	3.240	8.9	21.6
9 18	0 53.56	−17 44.7	2.289	3.235	7.1	21.5
9 28	0 46.00	−19 0.3	2.279	3.230	6.7	21.4
10 8	0 38.01	−19 59.2	2.297	3.224	7.9	21.5
10 18	0 30.36	−20 37.1	2.341	3.217	9.9	21.6
10 28	0 23.80	−20 51.8	2.410	3.210	12.1	21.8
11 7	0 18.89	−20 44.0	2.498	3.203	14.2	21.9

349845 2009 CY_{55} 10 4.2 333.°72 6.°2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.96	+18 39.4	1.478	2.289	18.9	20.2
9 8	1 0.70	+19 21.8	1.393	2.276	15.7	20.0
9 18	0 54.73	+19 42.2	1.326	2.264	12.0	19.7
9 28	0 46.65	+19 37.9	1.280	2.252	8.3	19.5
10 8	0 37.55	+19 10.1	1.259	2.241	6.2	19.3
10 18	0 28.74	+18 23.3	1.261	2.231	7.8	19.4
10 28	0 21.59	+17 26.1	1.288	2.222	11.5	19.6
11 7	0 17.08	+16 28.5	1.337	2.214	15.4	19.8

157316 2004 SG_{41} 10 4.2 43.°04 0.°3/ 3.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.55	+ 7 27.5	1.238	2.101	18.7	19.4
9 8	1 0.79	+ 6 41.6	1.196	2.124	14.2	19.2
9 18	0 54.40	+ 5 37.7	1.174	2.148	9.0	19.0
9 28	0 46.33	+ 4 22.5	1.174	2.172	3.4	18.8
10 8	0 37.87	+ 3 5.7	1.200	2.197	2.3	18.8
10 18	0 30.29	+ 1 56.8	1.251	2.223	7.6	19.2
10 28	0 24.68	+ 1 3.9	1.326	2.249	12.2	19.5
11 7	0 21.64	+ 0 31.2	1.422	2.275	16.1	19.8

378690 2008 KL_5 10 4.2 244.°07 0.°9/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.80	+ 6 15.0	1.643	2.491	15.6	22.0
9 8	1 0.81	+ 5 21.3	1.562	2.483	11.9	21.8
9 18	0 54.48	+ 4 11.2	1.502	2.474	7.6	21.5
9 28	0 46.46	+ 2 49.9	1.468	2.466	2.8	21.2
10 8	0 37.71	+ 1 25.2	1.461	2.457	2.5	21.1
10 18	0 29.36	+ 0 6.0	1.482	2.448	7.3	21.4
10 28	0 22.49	− 0 59.3	1.528	2.439	11.8	21.7
11 7	0 17.88	− 1 45.4	1.596	2.429	15.7	21.9

436505 2011 FO_{10} 10 4.2 144.°85 0.°2/ 4.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.67	+ 8 16.7	1.890	2.720	14.6	22.4
9 8	1 1.78	+ 7 40.8	1.819	2.728	11.2	22.2
9 18	0 54.85	+ 6 50.6	1.770	2.736	7.2	22.0
9 28	0 46.53	+ 5 49.9	1.747	2.743	2.9	21.7
10 8	0 37.71	+ 4 44.5	1.752	2.750	1.6	21.6
10 18	0 29.38	+ 3 41.2	1.786	2.756	5.9	21.9
10 28	0 22.43	+ 2 46.5	1.847	2.762	9.9	22.2
11 7	0 17.51	+ 2 5.2	1.933	2.767	13.3	22.4

223350 2003 RN_{15} 10 4.2 2.°38 5.°0/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.15	+20 58.0	2.063	2.839	15.3	19.7
9 8	0 58.46	+21 8.9	1.979	2.839	12.7	19.5
9 18	0 52.80	+20 59.8	1.916	2.839	9.8	19.3
9 28	0 45.77	+20 30.1	1.875	2.839	6.8	19.1
10 8	0 38.16	+19 42.1	1.861	2.840	5.0	19.0
10 18	0 30.88	+18 40.6	1.874	2.841	6.0	19.1
10 28	0 24.83	+17 32.3	1.914	2.842	8.7	19.3
11 7	0 20.66	+16 24.9	1.979	2.844	11.7	19.5

46694 1997 CS_9 10 4.2 299.°48 3.°2/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.64	+12 12.4	1.446	2.276	18.2	19.7
9 8	1 4.21	+12 35.9	1.365	2.268	14.6	19.5
9 18	0 56.93	+12 41.4	1.303	2.261	10.2	19.2
9 28	0 47.50	+12 28.8	1.265	2.253	5.6	18.9
10 8	0 37.09	+12 1.2	1.251	2.245	3.4	18.8
10 18	0 27.07	+11 24.2	1.263	2.238	7.1	19.0
10 28	0 18.83	+10 45.9	1.301	2.231	11.8	19.2
11 7	0 13.32	+10 14.1	1.360	2.224	16.0	19.5

8630 Billprady 10 4.2 123.°04 0.°4/ 4.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.55	+ 7 34.2	1.616	2.451	16.4	18.0
9 8	1 5.00	+ 7 17.5	1.552	2.464	12.6	17.8
9 18	0 57.02	+ 6 46.3	1.509	2.476	8.2	17.5
9 28	0 47.39	+ 6 4.1	1.492	2.488	3.3	17.3
10 8	0 37.23	+ 5 16.8	1.501	2.499	1.8	17.2
10 18	0 27.70	+ 4 30.8	1.539	2.510	6.6	17.5
10 28	0 19.89	+ 3 52.9	1.603	2.520	10.9	17.8
11 7	0 14.50	+ 3 27.8	1.689	2.530	14.6	18.1

352326 2007 UX_{126} 10 4.2 205.°63 4.°5/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.64	− 7 3.1	2.039	2.897	12.6	21.2
9 8	1 1.65	− 7 50.5	1.970	2.895	9.6	21.0
9 18	0 54.73	− 8 39.5	1.925	2.893	6.6	20.8
9 28	0 46.48	− 9 23.9	1.906	2.890	4.6	20.7
10 8	0 37.76	− 9 57.8	1.915	2.888	5.6	20.8
10 18	0 29.46	−10 16.6	1.952	2.885	8.5	20.9
10 28	0 22.45	−10 17.5	2.014	2.882	11.5	21.1
11 7	0 17.33	−10 0.2	2.099	2.878	14.3	21.3

462235 2008 AZ_{109} 10 4.2 180.°94 0.°3/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.56	+ 5 3.3	3.785	4.608	8.0	22.6
9 8	0 54.76	+ 4 33.4	3.700	4.608	6.1	22.4
9 18	0 49.99	+ 3 57.5	3.642	4.609	3.8	22.3
9 28	0 44.57	+ 3 17.9	3.612	4.608	1.4	22.1
10 8	0 38.92	+ 2 37.3	3.612	4.608	1.1	22.1
10 18	0 33.44	+ 1 58.5	3.643	4.608	3.5	22.3
10 28	0 28.56	+ 1 24.3	3.704	4.607	5.7	22.4
11 7	0 24.62	+ 0 56.8	3.791	4.606	7.7	22.6

226322 2003 EL_{18} 10 4.2 169.°44 1.°7/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.07	+ 2 21.8	2.001	2.844	13.4	21.9
9 8	1 1.99	+ 1 36.8	1.929	2.848	10.1	21.6
9 18	0 54.95	+ 0 42.4	1.879	2.851	6.3	21.4
9 28	0 46.58	− 0 16.4	1.857	2.854	2.6	21.2
10 8	0 37.71	− 1 13.6	1.863	2.856	2.9	21.2
10 18	0 29.28	− 2 3.1	1.899	2.857	6.7	21.5
10 28	0 22.16	− 2 40.0	1.961	2.858	10.3	21.7
11 7	0 16.96	− 3 1.3	2.046	2.859	13.5	21.9

145195 2005 JM_{30} 10 4.2 32.°01 0.°0/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.71	+ 8 0.9	1.831	2.671	14.6	20.1
9 8	0 58.91	+ 7 19.6	1.757	2.672	11.2	19.9
9 18	0 53.09	+ 6 23.3	1.705	2.674	7.2	19.6
9 28	0 45.88	+ 5 16.1	1.679	2.675	2.8	19.4
10 8	0 38.14	+ 4 4.5	1.680	2.677	1.7	19.3
10 18	0 30.82	+ 2 55.6	1.709	2.679	6.1	19.6
10 28	0 24.82	+ 1 56.4	1.765	2.681	10.1	19.8
11 7	0 20.80	+ 1 11.9	1.844	2.683	13.6	20.1

157704 2006 AL_{29} 10 4.2 261.°13 3.°5/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.94	− 5 16.8	2.363	3.215	11.3	20.5
9 8	1 0.19	− 5 52.6	2.281	3.204	8.6	20.3
9 18	0 53.75	− 6 31.0	2.223	3.193	5.7	20.1
9 28	0 46.11	− 7 7.1	2.193	3.181	3.6	20.0
10 8	0 38.00	− 7 36.2	2.191	3.170	4.4	20.0
10 18	0 30.17	− 7 54.1	2.218	3.158	7.2	20.2
10 28	0 23.39	− 7 58.0	2.271	3.146	10.1	20.3
11 7	0 18.23	− 7 46.8	2.348	3.134	12.8	20.5

99055 2001 ES_{16} 10 4.2 140.°88 1.°0/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.85	+ 9 52.6	2.133	2.951	13.5	20.2
9 8	1 0.97	+ 9 29.2	2.059	2.960	10.5	20.0
9 18	0 54.26	+ 8 52.4	2.007	2.968	6.9	19.8
9 28	0 46.30	+ 8 4.8	1.982	2.976	3.1	19.6
10 8	0 37.91	+ 7 11.0	1.986	2.983	1.5	19.5
10 18	0 29.93	+ 6 16.6	2.019	2.990	5.2	19.7
10 28	0 23.17	+ 5 27.1	2.080	2.997	8.8	20.0
11 7	0 18.23	+ 4 47.4	2.165	3.003	11.9	20.2

366068 2012 CK_{37} 10 4.2 230.°75 3.°0/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.29	+16 27.9	2.419	3.207	13.0	21.4
9 8	0 59.01	+16 21.1	2.326	3.200	10.5	21.2
9 18	0 53.04	+15 58.7	2.255	3.194	7.6	21.0
9 28	0 45.86	+15 21.2	2.209	3.187	4.7	20.8
10 8	0 38.16	+14 31.5	2.191	3.181	3.0	20.7
10 18	0 30.71	+13 34.1	2.202	3.173	4.8	20.8
10 28	0 24.28	+12 34.5	2.242	3.166	7.8	21.0
11 7	0 19.47	+11 38.6	2.307	3.159	10.8	21.2

195388 2002 GK_9 10 4.2 160.°90 0.°6/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.66	+11 17.0	2.104	2.922	13.7	20.3
9 8	0 59.37	+10 12.9	2.025	2.927	10.6	20.1
9 18	0 53.27	+ 8 51.8	1.970	2.931	6.9	19.9
9 28	0 45.93	+ 7 17.7	1.941	2.936	2.9	19.7
10 8	0 38.16	+ 5 37.3	1.942	2.939	1.4	19.6
10 18	0 30.78	+ 3 58.3	1.972	2.942	5.4	19.9
10 28	0 24.60	+ 2 28.4	2.031	2.945	9.1	20.1
11 7	0 20.20	+ 1 13.3	2.115	2.947	12.4	20.3

433451 2013 TT_{156} 10 4.2 259.°25 0.°8/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.07	+ 4 48.1	1.607	2.456	15.8	21.5
9 8	1 2.63	+ 4 21.4	1.526	2.447	12.1	21.3
9 18	0 55.72	+ 3 41.3	1.466	2.438	7.8	21.0
9 28	0 47.00	+ 2 52.2	1.431	2.429	2.9	20.7
10 8	0 37.49	+ 2 0.4	1.423	2.419	2.4	20.6
10 18	0 28.37	+ 1 13.1	1.442	2.410	7.3	20.9
10 28	0 20.81	+ 0 37.2	1.486	2.400	11.9	21.2
11 7	0 15.62	+ 0 17.1	1.552	2.390	15.8	21.4

324298 2006 DC_{71} 10 4.2 316.°40 3.°8/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.91	+15 41.9	2.139	2.933	14.3	20.6
9 8	1 1.28	+16 9.7	2.049	2.926	11.6	20.4
9 18	0 54.65	+16 22.8	1.979	2.919	8.5	20.2
9 28	0 46.54	+16 20.7	1.935	2.912	5.4	20.0
10 8	0 37.77	+16 5.0	1.918	2.905	3.8	19.9
10 18	0 29.26	+15 38.9	1.929	2.898	5.6	20.0
10 28	0 21.91	+15 7.6	1.967	2.892	8.7	20.2
11 7	0 16.45	+14 36.9	2.030	2.885	11.9	20.4

470462 2008 AT_{26} 10 4.2 166.°91 2.°5/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.65	+13 49.4	2.001	2.801	15.0	22.2
9 8	1 4.07	+13 41.3	1.921	2.807	11.9	22.0
9 18	0 56.37	+13 16.4	1.863	2.812	8.3	21.8
9 28	0 47.19	+12 36.0	1.830	2.816	4.5	21.6
10 8	0 37.43	+11 44.1	1.825	2.819	2.6	21.4
10 18	0 28.11	+10 46.1	1.850	2.822	5.5	21.6
10 28	0 20.16	+ 9 48.9	1.902	2.824	9.2	21.9
11 7	0 14.29	+ 8 58.8	1.980	2.825	12.6	22.1

119444 2001 TY_{148} 10 4.2 129.°37 4.°6/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.13	− 5 0.6	1.697	2.559	14.5	19.5
9 8	1 3.06	− 5 56.0	1.638	2.566	11.0	19.3
9 18	0 55.74	− 6 55.1	1.601	2.572	7.3	19.1
9 28	0 46.92	− 7 50.5	1.590	2.578	4.7	19.0
10 8	0 37.62	− 8 34.9	1.606	2.584	5.8	19.1
10 18	0 28.90	− 9 2.5	1.649	2.590	9.1	19.3
10 28	0 21.76	− 9 10.1	1.717	2.595	12.6	19.5
11 7	0 16.84	− 8 57.1	1.806	2.600	15.7	19.7

402413 2005 YY_{169} 10 4.2 334.°84 6.°7/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.36	−11 2.1	1.840	2.715	13.0	20.4
9 8	0 57.92	−12 25.1	1.777	2.706	10.1	20.2
9 18	0 52.50	−13 47.8	1.736	2.699	7.7	20.0
9 28	0 45.68	−15 1.6	1.722	2.691	6.7	19.9
10 8	0 38.35	−15 58.7	1.733	2.685	8.1	20.0
10 18	0 31.41	−16 33.2	1.769	2.678	10.8	20.2
10 28	0 25.78	−16 42.3	1.829	2.672	13.6	20.3
11 7	0 22.07	−16 26.4	1.908	2.667	16.2	20.5

381738 2009 RP_{70} 10 4.2 180.°71 0.°9/ 3.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.46	+ 5 46.3	1.596	2.446	15.9	21.7
9 8	1 1.30	+ 4 59.7	1.524	2.446	12.1	21.5
9 18	0 54.79	+ 3 57.9	1.474	2.446	7.7	21.2
9 28	0 46.61	+ 2 46.3	1.449	2.446	2.9	20.9
10 8	0 37.81	+ 1 32.5	1.450	2.446	2.5	20.9
10 18	0 29.49	+ 0 24.9	1.479	2.446	7.2	21.2
10 28	0 22.74	− 0 29.1	1.533	2.445	11.7	21.5
11 7	0 18.28	− 1 4.8	1.610	2.445	15.4	21.7

127471 2002 RD_{110} 10 4.2 117.°57 2.°1/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.19	+13 13.0	1.586	2.411	17.2	19.6
9 8	1 1.87	+12 44.8	1.517	2.418	13.5	19.4
9 18	0 55.14	+11 55.5	1.467	2.425	9.2	19.2
9 28	0 46.74	+10 48.1	1.442	2.432	4.6	18.9
10 8	0 37.74	+ 9 28.9	1.443	2.439	2.3	18.8
10 18	0 29.30	+ 8 6.3	1.471	2.446	6.3	19.1
10 28	0 22.50	+ 6 49.7	1.526	2.452	10.7	19.3
11 7	0 18.06	+ 5 46.5	1.604	2.458	14.5	19.6

149711 2004 JD_{10} 10 4.2 144.°48 5.°6/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.16	− 5 47.9	1.643	2.513	14.5	20.1
9 8	1 0.92	− 7 20.8	1.584	2.517	11.0	19.9
9 18	0 54.45	− 8 58.3	1.549	2.520	7.5	19.7
9 28	0 46.45	−10 31.0	1.540	2.523	5.6	19.6
10 8	0 37.94	−11 49.2	1.558	2.526	7.1	19.7
10 18	0 29.96	−12 45.6	1.601	2.529	10.3	19.9
10 28	0 23.52	−13 16.0	1.669	2.532	13.7	20.1
11 7	0 19.28	−13 20.3	1.756	2.534	16.7	20.3

515364 2013 CY_{204} 10 4.2 338.°20 3.°2/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.00	− 0 22.5	1.600	2.470	14.8	20.8
9 8	0 58.69	− 1 18.8	1.529	2.463	11.2	20.6
9 18	0 53.14	− 2 24.7	1.479	2.456	7.1	20.3
9 28	0 45.99	− 3 33.3	1.455	2.450	3.6	20.1
10 8	0 38.20	− 4 36.5	1.456	2.444	4.6	20.2
10 18	0 30.85	− 5 26.7	1.484	2.439	8.6	20.4
10 28	0 24.95	− 5 58.1	1.536	2.434	12.6	20.6
11 7	0 21.22	− 6 8.0	1.609	2.430	16.1	20.8

104749 2000 HR_{12} 10 4.2 231.°01 0.°0/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.76	+ 6 31.2	1.848	2.683	14.7	20.1
9 8	1 2.89	+ 6 8.1	1.761	2.673	11.3	19.9
9 18	0 55.78	+ 5 31.8	1.696	2.664	7.3	19.6
9 28	0 47.03	+ 4 45.7	1.657	2.653	2.9	19.3
10 8	0 37.57	+ 3 55.1	1.645	2.643	1.8	19.2
10 18	0 28.43	+ 3 6.1	1.662	2.631	6.4	19.5
10 28	0 20.66	+ 2 25.2	1.706	2.620	10.6	19.7
11 7	0 15.01	+ 1 57.2	1.773	2.607	14.3	19.9

208123 2000 DB_{24} 10 4.2 208.°75 0.°4/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.72	+ 5 59.9	2.362	3.190	12.1	21.7
9 8	1 0.06	+ 5 24.0	2.275	3.185	9.2	21.5
9 18	0 53.70	+ 4 37.4	2.211	3.179	5.9	21.3
9 28	0 46.15	+ 3 43.6	2.175	3.172	2.2	21.0
10 8	0 38.12	+ 2 47.2	2.169	3.165	1.6	21.0
10 18	0 30.36	+ 1 53.4	2.191	3.157	5.3	21.2
10 28	0 23.65	+ 1 7.2	2.243	3.149	8.8	21.4
11 7	0 18.55	+ 0 32.5	2.319	3.140	11.8	21.6

3070 Aitken 10 4.3 132.°37 0.°5/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.85	+ 6 29.0	1.777	2.612	15.1	18.0
9 8	1 3.50	+ 5 45.6	1.713	2.627	11.5	17.8
9 18	0 55.99	+ 4 48.5	1.672	2.640	7.3	17.6
9 28	0 47.04	+ 3 42.7	1.656	2.653	2.8	17.3
10 8	0 37.63	+ 2 34.8	1.669	2.665	2.0	17.3
10 18	0 28.81	+ 1 31.9	1.710	2.677	6.5	17.6
10 28	0 21.52	+ 0 40.6	1.779	2.688	10.5	17.9
11 7	0 16.40	+ 0 5.0	1.870	2.698	13.9	18.1

468778 2011 WY_{148} 10 4.3 306.°47 3.°8/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.79	−14 15.8	4.156	5.008	6.8	21.1
9 8	0 53.41	−15 0.1	4.088	5.002	5.4	21.0
9 18	0 49.14	−15 42.0	4.047	4.996	4.2	20.9
9 28	0 44.30	−16 18.6	4.034	4.990	3.8	20.9
10 8	0 39.25	−16 46.9	4.049	4.984	4.5	20.9
10 18	0 34.36	−17 4.9	4.092	4.979	5.8	21.0
10 28	0 30.01	−17 11.3	4.162	4.973	7.2	21.1
11 7	0 26.52	−17 5.8	4.254	4.967	8.6	21.2

484012 2006 DL_{52} 10 4.3 229.°52 2.°9/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.14	− 1 56.8	2.421	3.275	11.0	21.5
9 8	0 57.26	− 2 58.6	2.346	3.272	8.2	21.3
9 18	0 51.86	− 4 6.1	2.296	3.269	5.3	21.1
9 28	0 45.42	− 5 14.0	2.274	3.266	3.0	21.0
10 8	0 38.58	− 6 16.7	2.281	3.263	3.9	21.0
10 18	0 32.04	− 7 9.0	2.316	3.260	6.7	21.2
10 28	0 26.46	− 7 47.0	2.379	3.256	9.6	21.4
11 7	0 22.37	− 8 8.6	2.464	3.253	12.2	21.6

100002 1983 QC_1 10 4.3 356.°32 0.°9/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.75	+ 8 30.8	1.085	1.960	19.9	19.1
9 8	0 58.68	+ 8 20.8	1.022	1.954	15.5	18.9
9 18	0 53.60	+ 7 49.5	0.976	1.950	10.2	18.6
9 28	0 46.28	+ 7 0.6	0.951	1.948	4.4	18.2
10 8	0 38.05	+ 6 2.0	0.948	1.946	2.1	18.1
10 18	0 30.43	+ 5 3.8	0.969	1.947	8.1	18.4
10 28	0 24.85	+ 4 16.1	1.012	1.948	13.6	18.8
11 7	0 22.21	+ 3 46.5	1.074	1.951	18.3	19.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
300533 2007 TO_{230}		10 4.3 11.°18	0.°0/ 4.0	18		
	h m	° ′			°	m
8 29	1 2.65	+ 7 57.9	1.750	2.593	15.0	20.8
9 8	0 58.99	+ 7 14.0	1.677	2.593	11.5	20.6
9 18	0 53.23	+ 6 14.4	1.625	2.594	7.4	20.4
9 28	0 46.01	+ 5 3.5	1.598	2.595	2.9	20.1
10 8	0 38.23	+ 3 48.0	1.599	2.596	1.8	20.0
10 18	0 30.89	+ 2 35.6	1.627	2.597	6.3	20.3
10 28	0 24.92	+ 1 33.8	1.681	2.598	10.5	20.6
11 7	0 20.99	+ 0 47.8	1.758	2.599	14.1	20.8
217557 2007 JX_4		10 4.3 32.°63	2.°6/ 6.6	18		
8 29	1 1.99	+14 14.1	1.239	2.084	19.8	19.5
9 8	0 59.08	+13 47.4	1.188	2.100	15.6	19.2
9 18	0 53.49	+12 54.9	1.156	2.117	10.7	19.0
9 28	0 46.12	+11 40.6	1.145	2.135	5.5	18.8
10 8	0 38.21	+10 12.8	1.158	2.154	2.8	18.7
10 18	0 31.07	+ 8 42.2	1.197	2.174	6.8	19.0
10 28	0 25.84	+ 7 20.2	1.259	2.195	11.5	19.3
11 7	0 23.20	+ 6 14.9	1.344	2.216	15.6	19.6
332064 2005 ST_{99}		10 4.3 89.°07	3.°2/ 7.2	17		
8 29	1 7.00	+15 36.5	1.602	2.415	17.5	20.8
9 8	1 2.43	+15 24.4	1.538	2.429	14.0	20.6
9 18	0 55.47	+14 50.6	1.493	2.443	9.9	20.4
9 28	0 46.88	+13 56.7	1.472	2.457	5.6	20.1
10 8	0 37.75	+12 48.0	1.477	2.471	3.3	20.0
10 18	0 29.24	+11 32.4	1.510	2.484	6.2	20.2
10 28	0 22.40	+10 18.8	1.569	2.498	10.2	20.5
11 7	0 17.93	+ 9 15.1	1.651	2.511	13.9	20.8
217328 2004 RV_{62}		10 4.3 73.°05	0.°1/ 4.1	18		
8 29	1 3.21	+ 7 17.8	2.079	2.913	13.3	20.2
9 8	0 58.94	+ 6 36.9	2.019	2.931	10.1	20.0
9 18	0 52.94	+ 5 44.2	1.982	2.950	6.4	19.8
9 28	0 45.83	+ 4 43.6	1.971	2.968	2.5	19.6
10 8	0 38.39	+ 3 40.7	1.989	2.986	1.6	19.6
10 18	0 31.41	+ 2 41.3	2.035	3.004	5.4	19.9
10 28	0 25.66	+ 1 51.0	2.109	3.022	8.9	20.1
11 7	0 21.63	+ 1 13.4	2.207	3.040	11.9	20.4
25016 1998 QJ_4		10 4.3 323.°83	2.°7/ 2.5	18		
8 29	1 3.80	+ 0 58.2	1.200	2.081	18.0	17.5
9 8	1 0.98	+ 0 31.5	1.121	2.060	13.8	17.2
9 18	0 55.14	− 0 7.6	1.062	2.040	8.9	16.9
9 28	0 46.95	− 0 53.1	1.024	2.021	3.8	16.5
10 8	0 37.63	− 1 36.4	1.010	2.003	4.3	16.5
10 18	0 28.67	− 2 8.5	1.019	1.986	9.7	16.8
10 28	0 21.59	− 2 21.9	1.050	1.970	15.1	17.0
11 7	0 17.45	− 2 12.8	1.101	1.955	19.7	17.3
364525 2007 EC_{188}		10 4.3 120.°89	1.°5/ 2.4	18		
8 29	1 3.74	+ 1 10.0	2.618	3.456	10.7	21.8
9 8	0 59.00	+ 0 31.9	2.553	3.470	8.0	21.6
9 18	0 52.85	− 0 11.9	2.513	3.484	5.0	21.4
9 28	0 45.78	− 0 57.9	2.501	3.497	2.1	21.3
10 8	0 38.42	− 1 41.6	2.519	3.510	2.4	21.3
10 18	0 31.42	− 2 19.1	2.567	3.523	5.3	21.5
10 28	0 25.40	− 2 46.9	2.642	3.535	8.2	21.7
11 7	0 20.81	− 3 3.0	2.743	3.547	10.7	21.9
403999 2012 BR_{136}		10 4.3 151.°43	3.°7/ 8.9	18		
8 29	1 5.09	+19 18.2	2.721	3.482	12.4	21.6
9 8	1 0.18	+19 28.0	2.635	3.488	10.1	21.5
9 18	0 53.70	+19 23.0	2.572	3.494	7.6	21.3
9 28	0 46.15	+19 3.3	2.534	3.500	5.2	21.2
10 8	0 38.18	+18 30.7	2.525	3.505	3.8	21.1
10 18	0 30.49	+17 48.6	2.545	3.510	4.8	21.2
10 28	0 23.77	+17 1.4	2.594	3.514	7.1	21.3
11 7	0 18.55	+16 14.4	2.669	3.519	9.5	21.5
521412 2015 MM_{145}		10 4.3 344.°72	2.°5/ 2.1	18		
8 29	1 3.64	+ 0 58.1	1.595	2.459	15.1	20.9
9 8	0 59.94	+ 0 15.4	1.524	2.455	11.4	20.7
9 18	0 53.94	− 0 37.3	1.476	2.451	7.2	20.4
9 28	0 46.32	− 1 34.1	1.452	2.448	3.2	20.2
10 8	0 38.08	− 2 27.5	1.454	2.445	3.8	20.2
10 18	0 30.29	− 3 10.4	1.483	2.443	8.0	20.5
10 28	0 24.01	− 3 37.3	1.536	2.441	12.2	20.7
11 7	0 19.95	− 3 45.1	1.611	2.440	15.8	20.9
256541 2007 GA_{28}		10 4.3 133.°31	8.°2/23.8	18		
8 29	1 8.09	−25 49.7	2.698	3.525	10.8	20.4
9 8	1 2.27	−26 49.4	2.660	3.535	9.3	20.3
9 18	0 54.90	−27 38.0	2.645	3.544	8.4	20.2
9 28	0 46.56	−28 9.7	2.657	3.554	8.3	20.3
10 8	0 37.98	−28 20.6	2.694	3.563	9.1	20.3
10 18	0 29.91	−28 9.1	2.756	3.571	10.5	20.4
10 28	0 23.01	−27 35.6	2.841	3.580	11.9	20.6
11 7	0 17.75	−26 42.7	2.945	3.588	13.3	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
20845 2000 UY_{102}		10 4.3 299.°97	2.°3/ 2.1	18		
	h m	° ′			°	m
8 29	1 6.22	− 1 19.0	2.088	2.938	12.6	17.4
9 8	1 1.36	− 1 39.9	2.012	2.934	9.5	17.2
9 18	0 54.60	− 2 5.8	1.959	2.931	6.1	17.0
9 28	0 46.54	− 2 32.5	1.933	2.928	2.8	16.8
10 8	0 37.97	− 2 55.3	1.935	2.925	3.3	16.8
10 18	0 29.77	− 3 10.1	1.966	2.922	6.7	17.0
10 28	0 22.79	− 3 13.2	2.023	2.918	10.2	17.2
11 7	0 17.65	− 3 3.2	2.104	2.915	13.2	17.4
449488 2014 FB_{33}		10 4.3 176.°18	11.°0/30.1	15		
8 29	1 27.46	−18 13.9	1.120	1.977	20.7	21.2
9 8	1 19.02	−18 43.7	1.066	1.978	16.9	21.0
9 18	1 6.54	−18 59.4	1.030	1.979	13.2	20.8
9 28	0 51.29	−18 48.3	1.016	1.980	11.1	20.7
10 8	0 35.23	−18 2.0	1.027	1.980	12.0	20.8
10 18	0 20.53	−16 39.7	1.062	1.980	15.3	21.0
10 28	0 8.93	−14 46.8	1.119	1.979	19.2	21.2
11 7	0 1.33	−12 32.5	1.194	1.978	22.7	21.5
399559 2003 SS_{70}		10 4.3 10.°79	8.°3/12.1	17		
8 29	1 8.33	+27 7.7	2.034	2.764	16.9	20.2
9 8	1 3.48	+28 20.0	1.952	2.766	14.7	20.1
9 18	0 56.27	+29 11.7	1.889	2.768	12.2	19.9
9 28	0 47.30	+29 38.9	1.848	2.770	9.9	19.8
10 8	0 37.51	+29 40.4	1.831	2.773	8.5	19.7
10 18	0 28.00	+29 18.0	1.840	2.777	8.6	19.7
10 28	0 19.89	+28 37.4	1.875	2.781	10.3	19.8
11 7	0 14.00	+27 46.5	1.933	2.785	12.5	20.0
104771 2000 HH_{28}		10 4.3 63.°79	12.°2/22.5	18		
8 29	1 10.38	−29 12.3	1.813	2.649	14.9	18.6
9 8	1 4.70	−30 36.0	1.787	2.660	13.3	18.6
9 18	0 56.72	−31 41.0	1.783	2.672	12.3	18.5
9 28	0 47.32	−32 18.3	1.800	2.683	12.4	18.6
10 8	0 37.65	−32 22.8	1.840	2.695	13.3	18.7
10 18	0 28.82	−31 53.3	1.902	2.707	14.9	18.8
10 28	0 21.78	−30 52.5	1.983	2.719	16.5	18.9
11 7	0 17.10	−29 25.9	2.080	2.731	18.0	19.1
94211 2001 BG_{34}		10 4.3 319.°42	3.°8/ 7.9	18		
8 29	1 4.82	+16 6.1	2.062	2.859	14.7	18.7
9 8	1 0.57	+16 27.1	1.972	2.850	11.9	18.5
9 18	0 54.28	+16 32.0	1.902	2.842	8.8	18.3
9 28	0 46.50	+16 20.7	1.858	2.835	5.6	18.1
10 8	0 38.05	+15 55.0	1.840	2.827	3.8	17.9
10 18	0 29.86	+15 18.7	1.849	2.820	5.6	18.0
10 28	0 22.86	+14 37.8	1.886	2.813	8.9	18.2
11 7	0 17.79	+13 58.4	1.947	2.806	12.1	18.4
402455 2006 BQ_{88}		10 4.3 305.°49	4.°3/29.2	18		
8 29	1 1.66	− 5 51.0	2.154	3.017	11.8	21.0
9 8	0 57.88	− 6 58.7	2.083	3.012	8.9	20.8
9 18	0 52.38	− 8 9.8	2.036	3.006	6.1	20.6
9 28	0 45.70	− 9 18.0	2.016	3.001	4.4	20.5
10 8	0 38.56	−10 16.6	2.024	2.995	5.5	20.6
10 18	0 31.75	−11 0.4	2.060	2.990	8.2	20.7
10 28	0 26.03	−11 25.6	2.120	2.985	11.2	20.9
11 7	0 21.99	−11 31.0	2.203	2.980	13.8	21.1
523277 2017 BO_{10}		10 4.3 220.°55	0.°1/ 4.2	18		
8 29	1 3.00	+ 6 20.8	2.588	3.414	11.2	22.2
9 8	0 58.65	+ 5 54.3	2.500	3.408	8.6	22.0
9 18	0 52.77	+ 5 18.3	2.436	3.402	5.5	21.8
9 28	0 45.84	+ 4 35.6	2.400	3.396	2.1	21.6
10 8	0 38.47	+ 3 50.1	2.393	3.390	1.3	21.5
10 18	0 31.35	+ 3 6.0	2.415	3.383	4.8	21.8
10 28	0 25.16	+ 2 27.8	2.466	3.376	7.9	22.0
11 7	0 20.41	+ 1 58.9	2.542	3.368	10.7	22.1
215597 2003 QZ_{76}		10 4.3 62.°90	1.°1/ 5.2	17		
8 29	1 5.79	+11 7.8	1.259	2.108	19.3	19.8
9 8	1 1.96	+10 26.6	1.205	2.122	15.0	19.6
9 18	0 55.37	+ 9 22.3	1.169	2.137	9.9	19.3
9 28	0 46.91	+ 8 0.0	1.156	2.151	4.3	19.1
10 8	0 37.88	+ 6 29.2	1.169	2.166	2.0	19.0
10 18	0 29.64	+ 5 0.6	1.207	2.181	7.3	19.3
10 28	0 23.37	+ 3 44.9	1.269	2.197	12.2	19.7
11 7	0 19.81	+ 2 49.0	1.353	2.212	16.4	20.0
267933 2004 DF_{59}		10 4.3 265.°13	1.°9/ 2.6	18		
8 29	1 6.67	+ 2 51.0	1.635	2.489	15.4	21.0
9 8	1 2.42	+ 2 6.0	1.547	2.471	11.7	20.7
9 18	0 55.71	+ 1 7.9	1.480	2.454	7.5	20.4
9 28	0 47.13	+ 0 1.9	1.438	2.435	3.0	20.1
10 8	0 37.67	− 1 4.3	1.424	2.417	3.4	20.1
10 18	0 28.51	− 2 2.7	1.436	2.398	8.0	20.3
10 28	0 20.82	− 2 46.0	1.474	2.379	12.6	20.6
11 7	0 15.46	− 3 9.7	1.533	2.360	16.5	20.8

97441 2000 BH_2 10 4.3 174.°35 0.°7/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.04	+ 8 48.4	2.758	3.572	10.9	20.3
9 8	0 58.55	+ 8 30.1	2.675	3.574	8.4	20.1
9 18	0 52.64	+ 8 1.9	2.615	3.575	5.5	19.9
9 28	0 45.77	+ 7 26.0	2.583	3.576	2.4	19.7
10 8	0 38.53	+ 6 45.7	2.580	3.577	1.2	19.6
10 18	0 31.55	+ 6 4.7	2.607	3.578	4.2	19.8
10 28	0 25.45	+ 5 27.2	2.663	3.578	7.2	20.0
11 7	0 20.73	+ 4 56.6	2.745	3.578	9.8	20.2

155599 2000 CL_{74} 10 4.3 68.°17 5.°4/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.87	− 9 31.0	2.201	3.066	11.5	19.5
9 8	0 57.89	−10 51.0	2.150	3.076	8.8	19.3
9 18	0 52.29	−12 10.5	2.124	3.087	6.4	19.2
9 28	0 45.63	−13 22.7	2.125	3.097	5.4	19.1
10 8	0 38.64	−14 21.3	2.153	3.108	6.5	19.2
10 18	0 32.07	−15 1.6	2.208	3.119	8.8	19.4
10 28	0 26.63	−15 21.3	2.288	3.130	11.3	19.6
11 7	0 22.82	−15 20.4	2.390	3.141	13.6	19.8

101610 1999 CW_7 10 4.3 295.°45 10.°6/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 19.01	+16 1.0	1.025	1.853	24.2	18.7
9 8	1 14.78	+18 14.7	0.923	1.817	20.7	18.3
9 18	1 5.75	+20 21.8	0.837	1.779	16.5	18.0
9 28	0 51.91	+22 12.6	0.771	1.742	12.3	17.6
10 8	0 34.41	+23 36.3	0.726	1.704	10.7	17.3
10 18	0 15.62	+24 24.5	0.704	1.666	13.8	17.3
10 28	23 58.74	+24 39.6	0.702	1.627	19.4	17.5
11 7	23 46.44	+24 34.3	0.716	1.590	25.4	17.6

5880 1992 MA 10 4.3 61.°35 0.°0/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.74	+ 6 58.6	2.029	2.864	13.5	17.3
9 8	0 59.43	+ 6 31.1	1.967	2.880	10.3	17.1
9 18	0 53.32	+ 5 52.0	1.928	2.895	6.6	16.9
9 28	0 46.05	+ 5 5.0	1.915	2.911	2.6	16.7
10 8	0 38.40	+ 4 15.1	1.929	2.927	1.5	16.7
10 18	0 31.22	+ 3 27.8	1.973	2.943	5.4	17.0
10 28	0 25.29	+ 2 48.2	2.043	2.958	9.0	17.2
11 7	0 21.15	+ 2 20.1	2.138	2.974	12.1	17.4

13372 1998 VU_6 10 4.3 329.°89 1.°8/30.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.48	− 3 29.5	4.184	5.030	6.9	18.3
9 8	0 53.18	− 4 1.4	4.107	5.028	5.1	18.2
9 18	0 49.03	− 4 35.2	4.056	5.026	3.3	18.1
9 28	0 44.32	− 5 8.4	4.034	5.024	1.9	18.0
10 8	0 39.41	− 5 38.4	4.041	5.022	2.4	18.0
10 18	0 34.65	− 6 3.1	4.078	5.020	4.1	18.1
10 28	0 30.41	− 6 20.5	4.144	5.019	5.9	18.3
11 7	0 26.98	− 6 29.4	4.235	5.017	7.6	18.4

157738 2006 BJ_{183} 10 4.3 219.°82 0.°9/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.71	+ 3 32.7	2.557	3.393	11.0	21.1
9 8	0 58.43	+ 2 58.0	2.472	3.388	8.3	20.9
9 18	0 52.63	+ 2 15.2	2.412	3.382	5.3	20.7
9 28	0 45.79	+ 1 27.8	2.380	3.377	2.0	20.5
10 8	0 38.54	+ 0 40.1	2.377	3.371	2.0	20.5
10 18	0 31.54	− 0 3.6	2.403	3.365	5.2	20.7
10 28	0 25.46	− 0 39.0	2.457	3.359	8.3	20.9
11 7	0 20.84	− 1 3.1	2.536	3.353	11.1	21.0

433706 2014 WF_{495} 10 4.3 268.°08 0.°9/ 2.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.93	+ 2 57.9	3.381	4.214	8.7	22.1
9 8	0 55.28	+ 2 21.1	3.283	4.197	6.5	21.9
9 18	0 50.50	+ 1 38.1	3.210	4.180	4.1	21.7
9 28	0 44.94	+ 0 51.6	3.166	4.163	1.6	21.5
10 8	0 39.04	+ 0 4.9	3.152	4.146	1.7	21.5
10 18	0 33.29	− 0 38.6	3.168	4.128	4.2	21.7
10 28	0 28.17	− 1 15.7	3.214	4.111	6.7	21.8
11 7	0 24.09	− 1 43.9	3.284	4.093	9.0	21.9

392049 2009 BB_{118} 10 4.3 351.°63 3.°7/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.74	− 2 3.4	1.730	2.595	14.1	21.2
9 8	0 59.82	− 3 7.2	1.663	2.595	10.6	20.9
9 18	0 53.79	− 4 18.2	1.619	2.594	6.9	20.7
9 28	0 46.30	− 5 29.5	1.601	2.593	3.9	20.6
10 8	0 38.26	− 6 33.1	1.610	2.593	5.0	20.6
10 18	0 30.68	− 7 22.1	1.645	2.593	8.6	20.8
10 28	0 24.50	− 7 51.7	1.706	2.593	12.2	21.1
11 7	0 20.39	− 8 0.0	1.787	2.593	15.4	21.3

150288 1999 TS_{116} 10 4.3 358.°94 0.°3/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.28	+ 4 24.1	1.855	2.701	14.2	19.3
9 8	1 0.91	+ 4 18.8	1.781	2.699	10.8	19.1
9 18	0 54.46	+ 4 3.8	1.728	2.698	6.9	18.9
9 28	0 46.56	+ 3 42.2	1.701	2.698	2.7	18.6
10 8	0 38.10	+ 3 18.5	1.701	2.698	1.8	18.5
10 18	0 30.04	+ 2 57.3	1.729	2.698	6.1	18.8
10 28	0 23.31	+ 2 43.3	1.783	2.699	10.1	19.1
11 7	0 18.60	+ 2 40.0	1.861	2.700	13.5	19.3

153113 2000 SH_{70} 10 4.3 73.°82 1.°0/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.01	+ 6 40.3	1.565	2.414	16.2	19.4
9 8	1 0.78	+ 5 32.0	1.513	2.435	12.2	19.2
9 18	0 54.34	+ 4 8.3	1.483	2.455	7.6	19.0
9 28	0 46.47	+ 2 35.9	1.478	2.475	2.8	18.7
10 8	0 38.21	+ 1 3.8	1.500	2.496	2.5	18.7
10 18	0 30.63	− 0 19.0	1.550	2.516	7.1	19.1
10 28	0 24.66	− 1 25.2	1.626	2.536	11.2	19.4
11 7	0 20.91	− 2 10.7	1.724	2.556	14.7	19.6

187267 2005 TA_{32} 10 4.3 44.°56 2.°2/ 2.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.84	+ 2 20.0	1.229	2.101	18.2	20.7
9 8	1 2.68	+ 1 41.6	1.184	2.117	13.7	20.5
9 18	0 55.78	+ 0 51.1	1.158	2.135	8.6	20.3
9 28	0 47.07	− 0 4.4	1.155	2.152	3.5	20.0
10 8	0 37.87	− 0 56.1	1.176	2.170	3.7	20.1
10 18	0 29.54	− 1 36.1	1.223	2.189	8.6	20.4
10 28	0 23.24	− 1 58.5	1.293	2.208	13.2	20.7
11 7	0 19.64	− 2 0.8	1.384	2.228	17.0	21.0

482963 2014 KA_{67} 10 4.3 230.°97 1.°8/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.67	+ 1 47.6	2.128	2.973	12.6	22.1
9 8	1 0.24	+ 1 2.9	2.045	2.965	9.5	21.8
9 18	0 53.95	+ 0 9.3	1.985	2.957	6.0	21.6
9 28	0 46.36	− 0 48.7	1.952	2.949	2.5	21.4
10 8	0 38.23	− 1 45.1	1.948	2.940	2.9	21.4
10 18	0 30.41	− 2 34.3	1.973	2.931	6.5	21.6
10 28	0 23.72	− 3 11.4	2.025	2.922	10.1	21.8
11 7	0 18.80	− 3 33.1	2.100	2.912	13.2	22.0

337289 2000 WL_{194} 10 4.3 318.°51 9.°9/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.43	−17 35.5	1.476	2.345	15.9	19.6
9 8	1 4.72	−18 36.0	1.410	2.329	13.1	19.3
9 18	0 57.23	−19 28.5	1.365	2.314	10.7	19.2
9 28	0 47.73	−20 2.4	1.343	2.298	9.9	19.1
10 8	0 37.44	−20 9.1	1.345	2.284	11.2	19.1
10 18	0 27.72	−19 43.9	1.370	2.270	13.9	19.3
10 28	0 19.84	−18 46.7	1.417	2.256	17.1	19.4
11 7	0 14.66	−17 21.8	1.481	2.243	20.0	19.6

389992 2012 TA_{291} 10 4.3 311.°27 3.°0/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.72	− 0 11.4	1.492	2.361	15.8	20.9
9 8	1 1.09	− 0 52.4	1.413	2.346	12.0	20.6
9 18	0 54.91	− 1 43.5	1.355	2.331	7.7	20.3
9 28	0 46.85	− 2 38.3	1.320	2.316	3.7	20.1
10 8	0 37.94	− 3 28.9	1.312	2.302	4.4	20.1
10 18	0 29.41	− 4 7.6	1.329	2.288	8.9	20.3
10 28	0 22.45	− 4 28.3	1.370	2.275	13.4	20.5
11 7	0 17.93	− 4 27.9	1.432	2.262	17.3	20.8

407867 2012 BH_{81} 10 4.3 123.°73 3.°4/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.22	+16 58.6	2.423	3.204	13.2	21.2
9 8	1 0.45	+17 5.6	2.343	3.212	10.7	21.1
9 18	0 53.99	+16 57.4	2.284	3.219	7.8	20.9
9 28	0 46.35	+16 34.6	2.251	3.226	4.9	20.7
10 8	0 38.27	+15 59.4	2.247	3.233	3.4	20.6
10 18	0 30.52	+15 15.8	2.271	3.240	4.9	20.7
10 28	0 23.85	+14 29.0	2.323	3.247	7.6	20.9
11 7	0 18.82	+13 44.3	2.401	3.253	10.4	21.1

444632 2006 WX_{69} 10 4.3 315.°17 0.°1/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.81	+ 5 17.8	1.832	2.674	14.5	21.6
9 8	1 1.43	+ 5 9.9	1.750	2.667	11.1	21.3
9 18	0 54.88	+ 4 51.1	1.690	2.659	7.2	21.1
9 28	0 46.78	+ 4 24.5	1.655	2.652	2.8	20.8
10 8	0 38.01	+ 3 54.5	1.648	2.645	1.7	20.7
10 18	0 29.58	+ 3 26.3	1.668	2.638	6.2	21.0
10 28	0 22.50	+ 3 5.2	1.715	2.631	10.3	21.2
11 7	0 17.49	+ 2 55.1	1.784	2.625	13.9	21.4

389485 2010 EW_{127} 10 4.3 112.°61 5.°4/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.85	−10 21.1	1.983	2.834	13.2	20.5
9 8	1 5.50	−10 56.9	1.930	2.848	10.1	20.4
9 18	0 57.17	−11 30.3	1.900	2.862	7.2	20.2
9 28	0 47.55	−11 55.3	1.898	2.875	5.4	20.1
10 8	0 37.61	−12 6.6	1.924	2.889	6.3	20.2
10 18	0 28.31	−12 1.1	1.977	2.901	8.9	20.4
10 28	0 20.50	−11 37.8	2.056	2.914	11.8	20.6
11 7	0 14.77	−10 57.8	2.158	2.926	14.3	20.8

104241 2000 EB_{134} 10 4.3 220.°10 3.°8/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.86	− 4 50.1	2.144	2.999	12.2	19.9
9 8	1 1.09	− 5 39.9	2.069	2.994	9.2	19.7
9 18	0 54.46	− 6 33.2	2.018	2.988	6.1	19.5
9 28	0 46.56	− 7 24.4	1.994	2.982	3.9	19.3
10 8	0 38.16	− 8 7.7	1.998	2.975	4.9	19.4
10 18	0 30.11	− 8 38.0	2.030	2.968	7.8	19.6
10 28	0 23.23	− 8 51.9	2.088	2.961	10.9	19.7
11 7	0 18.14	− 8 48.3	2.169	2.954	13.7	19.9

278142 2007 CG_{62} 10 4.3 233.°16 2.°4/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.56	+14 37.3	1.876	2.684	15.5	21.7
9 8	1 1.31	+14 9.3	1.784	2.674	12.4	21.4
9 18	0 54.86	+13 21.0	1.712	2.664	8.7	21.2
9 28	0 46.79	+12 14.1	1.665	2.653	4.7	20.9
10 8	0 38.01	+10 53.3	1.646	2.641	2.5	20.8
10 18	0 29.53	+ 9 26.1	1.655	2.629	5.8	21.0
10 28	0 22.38	+ 8 1.1	1.692	2.617	9.9	21.2
11 7	0 17.31	+ 6 46.3	1.753	2.604	13.6	21.4

487910 2015 TX_{183} 10 4.3 339.°26 4.°1/30.9 18

8 29	1 6.41	− 6 7.1	1.852	2.714	13.5	20.5
9 8	1 1.78	− 6 31.6	1.779	2.707	10.3	20.3
9 18	0 55.04	− 6 57.7	1.729	2.700	6.9	20.1
9 28	0 46.82	− 7 19.7	1.705	2.694	4.3	19.9
10 8	0 38.04	− 7 32.4	1.708	2.689	5.2	19.9
10 18	0 29.68	− 7 31.4	1.738	2.683	8.4	20.1
10 28	0 22.69	− 7 14.2	1.793	2.679	11.8	20.3
11 7	0 17.75	− 6 40.6	1.871	2.674	14.9	20.5

43370 2000 WD_5 10 4.3 202.°91 3.°5/ 7.7 18

8 29	1 7.46	+16 12.2	2.075	2.866	14.8	19.7
9 8	1 2.53	+16 17.2	1.986	2.862	12.0	19.5
9 18	0 55.53	+16 5.1	1.919	2.859	8.7	19.3
9 28	0 47.04	+15 36.1	1.876	2.855	5.3	19.1
10 8	0 37.89	+14 52.8	1.861	2.851	3.5	19.0
10 18	0 29.06	+14 0.0	1.875	2.846	5.5	19.1
10 28	0 21.49	+13 4.2	1.916	2.841	8.9	19.3
11 7	0 15.88	+12 12.1	1.982	2.835	12.2	19.5

295699 2008 TC_{173} 10 4.3 43.°97 0.°3/ 4.8 18

8 29	0 56.73	+ 7 16.2	4.262	5.077	7.4	21.2
9 8	0 53.37	+ 6 59.5	4.178	5.080	5.6	21.1
9 18	0 49.17	+ 6 37.2	4.120	5.082	3.6	20.9
9 28	0 44.42	+ 6 10.7	4.090	5.084	1.5	20.8
10 8	0 39.46	+ 5 42.2	4.090	5.087	0.8	20.7
10 18	0 34.65	+ 5 13.7	4.120	5.090	2.9	20.9
10 28	0 30.35	+ 4 47.7	4.180	5.092	4.9	21.1
11 7	0 26.86	+ 4 26.1	4.267	5.095	6.7	21.2

176091 2000 YW_{98} 10 4.3 216.°50 3.°8/30.9 18

8 29	1 7.48	− 1 40.1	1.625	2.486	15.1	20.7
9 8	1 2.89	− 2 44.0	1.553	2.482	11.4	20.4
9 18	0 55.90	− 3 56.6	1.503	2.477	7.4	20.2
9 28	0 47.21	− 5 10.5	1.479	2.471	4.1	20.0
10 8	0 37.83	− 6 17.0	1.481	2.465	5.2	20.0
10 18	0 28.92	− 7 8.4	1.511	2.459	9.1	20.3
10 28	0 21.56	− 7 39.2	1.565	2.453	13.1	20.5
11 7	0 16.53	− 7 47.3	1.640	2.446	16.6	20.7

276444 2003 EV_{32} 10 4.3 176.°60 2.°7/ 1.4 16

8 29	1 4.80	+ 1 37.0	1.916	2.768	13.6	21.5
9 8	1 0.45	+ 0 17.7	1.845	2.769	10.2	21.3
9 18	0 54.14	− 1 12.5	1.797	2.771	6.4	21.1
9 28	0 46.46	− 2 46.8	1.777	2.772	3.1	20.9
10 8	0 38.28	− 4 17.0	1.785	2.772	3.9	20.9
10 18	0 30.52	− 5 35.5	1.821	2.772	7.6	21.2
10 28	0 24.05	− 6 36.0	1.884	2.771	11.2	21.4
11 7	0 19.51	− 7 15.5	1.969	2.770	14.4	21.6

299611 2006 HZ_{89} 10 4.3 60.°17 8.°9/26.0 18

8 29	1 6.51	−15 1.1	1.555	2.428	15.0	20.2
9 8	1 1.84	−16 49.0	1.531	2.455	11.9	20.1
9 18	0 54.94	−18 28.6	1.530	2.481	9.6	20.0
9 28	0 46.70	−19 49.2	1.554	2.507	8.9	20.1
10 8	0 38.21	−20 42.9	1.602	2.534	10.3	20.2
10 18	0 30.55	−21 6.1	1.674	2.560	12.6	20.4
10 28	0 24.62	−20 58.9	1.768	2.587	15.1	20.6
11 7	0 20.94	−20 25.0	1.880	2.613	17.3	20.9

124048 2001 FH_{146} 10 4.3 143.°59 3.°7/ 8.5 18

8 29	1 4.72	+17 54.8	2.441	3.217	13.2	19.8
9 8	1 0.13	+18 6.6	2.355	3.219	10.8	19.7
9 18	0 53.84	+18 3.1	2.291	3.221	8.0	19.5
9 28	0 46.34	+17 44.3	2.252	3.223	5.3	19.3
10 8	0 38.36	+17 12.3	2.241	3.225	3.7	19.2
10 18	0 30.65	+16 30.6	2.259	3.227	5.0	19.3
10 28	0 24.00	+15 44.4	2.304	3.228	7.7	19.5
11 7	0 18.98	+14 59.2	2.376	3.230	10.4	19.7

427607 2003 SO_{280} 10 4.3 348.°40 3.°2/ 6.0 18

8 29	1 5.00	+ 9 39.3	1.018	1.888	21.4	20.5
9 8	1 2.37	+10 21.5	0.951	1.878	17.0	20.2
9 18	0 56.30	+10 45.1	0.901	1.870	11.8	19.8
9 28	0 47.56	+10 49.7	0.870	1.863	6.1	19.5
10 8	0 37.60	+10 38.6	0.861	1.858	3.4	19.4
10 18	0 28.18	+10 18.1	0.875	1.854	8.4	19.6
10 28	0 21.04	+ 9 57.5	0.910	1.851	14.0	19.9
11 7	0 17.28	+ 9 45.2	0.963	1.851	19.0	20.2

511092 2013 TS_{137} 10 4.3 345.°24 2.°4/ 2.5 18

	h m	° ′			°	m
8 29	0 56.05	+ 4 17.0	0.973	1.871	19.7	20.9
9 8	0 55.42	+ 3 21.4	0.908	1.857	15.1	20.6
9 18	0 51.73	+ 2 3.8	0.861	1.844	9.6	20.2
9 28	0 45.72	+ 0 32.4	0.834	1.832	3.8	19.9
10 8	0 38.70	− 1 0.0	0.828	1.823	4.4	19.9
10 18	0 32.19	− 2 19.2	0.844	1.815	10.3	20.2
10 28	0 27.73	− 3 13.7	0.880	1.810	16.0	20.5
11 7	0 26.27	− 3 37.6	0.934	1.806	20.9	20.8

391988 Illmárton 10 4.3 16.°27 7.°3/29.4 18

8 29	1 5.88	− 9 53.2	1.228	2.116	17.2	19.8
9 8	1 2.07	−10 44.9	1.183	2.122	13.3	19.6
9 18	0 55.47	−11 34.5	1.158	2.128	9.5	19.4
9 28	0 47.01	−12 12.2	1.155	2.137	7.4	19.3
10 8	0 38.02	−12 29.5	1.176	2.146	8.6	19.4
10 18	0 29.86	−12 21.4	1.220	2.156	12.0	19.6
10 28	0 23.71	−11 47.0	1.285	2.168	15.7	19.9
11 7	0 20.27	−10 48.9	1.370	2.180	19.0	20.1

449037 2012 CX_{42} 10 4.3 204.°73 3.°6/29.8 18

8 29	1 2.42	− 4 45.1	2.467	3.322	10.8	21.8
9 8	0 58.25	− 5 47.8	2.395	3.319	8.1	21.7
9 18	0 52.56	− 6 54.0	2.347	3.317	5.4	21.5
9 28	0 45.82	− 7 58.5	2.327	3.314	3.6	21.4
10 8	0 38.69	− 8 55.4	2.336	3.310	4.6	21.4
10 18	0 31.86	− 9 40.3	2.374	3.307	7.1	21.6
10 28	0 25.99	−10 9.5	2.438	3.303	9.9	21.8
11 7	0 21.62	−10 21.7	2.525	3.299	12.3	21.9

72670 2001 FL_{52} 10 4.3 247.°76 1.°8/ 6.4 18

8 29	1 3.24	+12 31.7	2.583	3.385	11.9	20.1
9 8	0 58.96	+12 19.0	2.485	3.373	9.4	19.9
9 18	0 53.08	+11 53.5	2.409	3.361	6.5	19.7
9 28	0 46.06	+11 16.6	2.360	3.348	3.4	19.5
10 8	0 38.53	+10 31.3	2.340	3.335	1.8	19.4
10 18	0 31.20	+ 9 41.7	2.349	3.322	4.4	19.6
10 28	0 24.78	+ 8 52.8	2.387	3.309	7.6	19.7
11 7	0 19.85	+ 8 9.2	2.451	3.295	10.5	19.9

55639 2070 P–L 10 4.3 91.°92 1.°0/ 5.2 18

8 29	1 6.31	+ 8 47.1	1.939	2.766	14.4	19.4
9 8	1 1.63	+ 8 40.1	1.864	2.770	11.1	19.2
9 18	0 54.91	+ 8 20.1	1.811	2.773	7.4	18.9
9 28	0 46.79	+ 7 49.5	1.783	2.777	3.3	18.7
10 8	0 38.12	+ 7 12.5	1.783	2.780	1.6	18.6
10 18	0 29.87	+ 6 34.1	1.812	2.784	5.5	18.9
10 28	0 22.94	+ 6 0.1	1.867	2.787	9.4	19.1
11 7	0 17.98	+ 5 35.0	1.947	2.791	12.8	19.3

344449 2002 JB_{106} 10 4.3 89.°60 2.°9/ 1.7 17

8 29	1 8.86	− 1 20.8	1.856	2.707	13.9	20.9
9 8	1 3.32	− 2 4.1	1.807	2.730	10.4	20.7
9 18	0 55.81	− 2 52.7	1.781	2.753	6.6	20.6
9 28	0 47.07	− 3 41.0	1.782	2.776	3.3	20.4
10 8	0 38.02	− 4 22.9	1.811	2.798	3.9	20.5
10 18	0 29.61	− 4 53.3	1.868	2.820	7.3	20.7
10 28	0 22.70	− 5 8.7	1.952	2.842	10.8	21.0
11 7	0 17.83	− 5 8.1	2.058	2.863	13.7	21.2

295428 2008 KW_{31} 10 4.3 96.°49 1.°7/ 2.3 18

8 29	1 2.62	+ 2 7.6	2.256	3.102	12.0	20.7
9 8	0 58.45	+ 1 14.3	2.192	3.113	9.0	20.6
9 18	0 52.69	+ 0 12.9	2.152	3.124	5.6	20.4
9 28	0 45.86	− 0 51.7	2.139	3.135	2.4	20.2
10 8	0 38.69	− 1 53.8	2.155	3.146	2.8	20.2
10 18	0 31.92	− 2 48.1	2.200	3.157	6.0	20.5
10 28	0 26.22	− 3 30.2	2.271	3.167	9.2	20.7
11 7	0 22.13	− 3 57.4	2.367	3.178	11.9	20.9

430873 2005 QU_{45} 10 4.3 27.°13 0.°9/ 4.9 18

8 29	1 8.85	+ 6 54.0	1.272	2.127	18.8	20.4
9 8	1 4.43	+ 7 6.4	1.211	2.134	14.5	20.2
9 18	0 57.11	+ 7 3.8	1.170	2.140	9.5	19.9
9 28	0 47.72	+ 6 48.7	1.152	2.148	4.1	19.6
10 8	0 37.60	+ 6 26.4	1.158	2.156	2.0	19.5
10 18	0 28.19	+ 6 3.3	1.189	2.164	7.4	19.9
10 28	0 20.79	+ 5 46.2	1.245	2.174	12.3	20.2
11 7	0 16.25	+ 5 40.4	1.322	2.183	16.6	20.5

126951 2002 FQ_8 10 4.3 109.°59 0.°0/ 4.1 18

8 29	1 5.52	+ 8 42.8	2.009	2.836	14.0	20.1
9 8	1 0.78	+ 7 44.0	1.947	2.855	10.6	19.9
9 18	0 54.21	+ 6 31.0	1.909	2.875	6.8	19.7
9 28	0 46.46	+ 5 8.5	1.897	2.893	2.6	19.5
10 8	0 38.36	+ 3 43.3	1.914	2.911	1.6	19.4
10 18	0 30.78	+ 2 22.3	1.961	2.929	5.6	19.7
10 28	0 24.51	+ 1 12.2	2.035	2.946	9.3	20.0
11 7	0 20.09	+ 0 17.5	2.134	2.962	12.4	20.2

369701 2012 DH_3 10 4.3 63.°75 3.°1/ 2.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.34	+ 0 21.8	1.279	2.149	17.8	20.6
9 8	1 3.85	− 0 25.6	1.227	2.160	13.4	20.4
9 18	0 56.60	− 1 23.3	1.195	2.171	8.4	20.2
9 28	0 47.48	− 2 23.6	1.187	2.183	3.9	19.9
10 8	0 37.78	− 3 17.4	1.203	2.194	4.6	20.0
10 18	0 28.89	− 3 56.6	1.245	2.206	9.2	20.3
10 28	0 21.99	− 4 15.9	1.311	2.217	13.7	20.6
11 7	0 17.81	− 4 13.5	1.397	2.229	17.5	20.9

511331 2014 ER_3 10 4.3 192.°33 2.°5/ 6.8 18

8 29	1 9.85	+13 10.4	2.301	3.094	13.5	22.0
9 8	1 4.13	+13 22.3	2.211	3.092	10.7	21.9
9 18	0 56.46	+13 21.0	2.144	3.090	7.5	21.6
9 28	0 47.41	+13 7.0	2.103	3.087	4.3	21.4
10 8	0 37.77	+12 42.5	2.091	3.084	2.6	21.3
10 18	0 28.41	+12 11.2	2.109	3.080	5.0	21.5
10 28	0 20.21	+11 38.1	2.156	3.075	8.4	21.7
11 7	0 13.85	+11 8.3	2.228	3.070	11.5	21.9

305113 2007 VK_{83} 10 4.3 316.°06 4.°1/30.7 18

8 29	1 4.16	− 3 28.7	1.678	2.546	14.3	20.6
9 8	1 0.37	− 4 17.1	1.601	2.533	10.9	20.3
9 18	0 54.31	− 5 11.6	1.546	2.521	7.2	20.1
9 28	0 46.62	− 6 5.5	1.517	2.508	4.3	19.9
10 8	0 38.23	− 6 51.3	1.513	2.496	5.3	19.9
10 18	0 30.21	− 7 22.5	1.536	2.484	9.0	20.1
10 28	0 23.61	− 7 34.5	1.583	2.473	12.8	20.3
11 7	0 19.18	− 7 25.6	1.652	2.462	16.2	20.5

78497 2002 RR_{71} 10 4.3 310.°81 2.°4/ 1.9 18

8 29	1 0.18	+ 3 33.8	1.599	2.464	15.1	19.2
9 8	0 57.58	+ 2 18.1	1.506	2.438	11.5	18.9
9 18	0 52.70	+ 0 45.0	1.435	2.412	7.3	18.6
9 28	0 46.05	− 0 59.0	1.390	2.387	3.1	18.3
10 8	0 38.56	− 2 44.3	1.371	2.362	4.0	18.3
10 18	0 31.28	− 4 20.1	1.378	2.337	8.6	18.5
10 28	0 25.35	− 5 37.1	1.410	2.313	13.2	18.7
11 7	0 21.61	− 6 29.3	1.463	2.290	17.2	18.9

135903 2002 TK_{89} 10 4.3 8.°22 2.°9/ 6.9 18

8 29	1 5.59	+13 45.7	1.825	2.638	15.7	20.1
9 8	1 1.31	+13 50.5	1.746	2.638	12.5	19.9
9 18	0 54.85	+13 38.0	1.688	2.639	8.8	19.6
9 28	0 46.83	+13 9.4	1.654	2.639	5.0	19.4
10 8	0 38.17	+12 27.9	1.646	2.640	2.9	19.3
10 18	0 29.90	+11 39.1	1.667	2.641	5.7	19.5
10 28	0 23.01	+10 50.0	1.714	2.642	9.6	19.7
11 7	0 18.24	+10 6.9	1.784	2.643	13.1	19.9

91511 1999 RJ_{163} 10 4.3 327.°04 3.°9/ 7.9 18 R

8 29	1 5.96	+16 6.1	2.044	2.839	14.9	18.6
9 8	1 1.47	+16 30.5	1.957	2.835	12.1	18.4
9 18	0 54.92	+16 38.9	1.891	2.830	8.9	18.2
9 28	0 46.86	+16 31.0	1.849	2.826	5.6	18.0
10 8	0 38.14	+16 8.6	1.835	2.822	3.9	17.9
10 18	0 29.70	+15 35.5	1.848	2.818	5.7	18.0
10 28	0 22.50	+14 57.4	1.888	2.814	8.9	18.2
11 7	0 17.25	+14 20.6	1.953	2.811	12.1	18.4

75485 1999 XC_{174} 10 4.3 206.°19 3.°8/30.9 18

8 29	1 9.63	− 3 41.1	1.828	2.682	14.0	19.3
9 8	1 4.28	− 4 27.5	1.754	2.678	10.6	19.1
9 18	0 56.70	− 5 18.9	1.702	2.673	7.0	18.9
9 28	0 47.54	− 6 9.1	1.677	2.668	4.1	18.7
10 8	0 37.77	− 6 51.2	1.680	2.662	5.0	18.8
10 18	0 28.43	− 7 19.4	1.711	2.656	8.5	19.0
10 28	0 20.54	− 7 30.0	1.767	2.649	12.1	19.2
11 7	0 14.82	− 7 21.6	1.846	2.642	15.4	19.4

321967 2010 UP_{27} 10 4.3 10.°89 0.°0/ 4.1 18

8 29	1 1.87	+ 6 55.9	1.650	2.501	15.4	20.3
9 8	0 58.55	+ 6 30.0	1.582	2.503	11.8	20.1
9 18	0 53.08	+ 5 49.8	1.536	2.506	7.6	19.9
9 28	0 46.12	+ 4 59.5	1.514	2.510	3.0	19.6
10 8	0 38.61	+ 4 5.2	1.518	2.515	1.8	19.5
10 18	0 31.56	+ 3 13.7	1.549	2.521	6.4	19.8
10 28	0 25.93	+ 2 31.7	1.605	2.527	10.6	20.1
11 7	0 22.40	+ 2 3.8	1.684	2.534	14.2	20.4

480250 2015 HT_{40} 10 4.3 148.°53 0.°7/ 3.6 16

8 29	1 5.39	+ 6 42.1	1.756	2.597	15.0	21.6
9 8	1 1.09	+ 5 47.8	1.685	2.602	11.4	21.4
9 18	0 54.64	+ 4 38.6	1.636	2.606	7.3	21.2
9 28	0 46.72	+ 3 19.5	1.613	2.610	2.7	20.9
10 8	0 38.26	+ 1 58.1	1.618	2.614	2.2	20.9
10 18	0 30.28	+ 0 42.2	1.651	2.618	6.6	21.2
10 28	0 23.72	− 0 20.8	1.710	2.621	10.8	21.4
11 7	0 19.26	− 1 6.2	1.793	2.624	14.3	21.7

510793 2013 AU_{132} 10 4.3 169.°41 1.°4/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 57.52	+13 20.5	4.371	5.156	7.7	20.9
9 8	0 53.99	+13 15.5	4.280	5.156	6.1	20.8
9 18	0 49.61	+13 2.9	4.213	5.156	4.2	20.7
9 28	0 44.65	+12 43.8	4.174	5.157	2.4	20.5
10 8	0 39.47	+12 19.7	4.164	5.157	1.4	20.5
10 18	0 34.42	+11 52.6	4.185	5.157	2.7	20.6
10 28	0 29.88	+11 24.8	4.236	5.157	4.6	20.7
11 7	0 26.15	+10 58.8	4.314	5.157	6.3	20.8

25938 2001 DC_{102} 10 4.3 272.°89 0.°1/ 4.0 18

8 29	0 58.02	+ 4 33.5	4.452	5.273	7.0	19.4
9 8	0 54.35	+ 4 22.3	4.355	5.261	5.3	19.2
9 18	0 49.83	+ 4 6.7	4.283	5.249	3.4	19.1
9 28	0 44.74	+ 3 48.2	4.240	5.236	1.3	18.9
10 8	0 39.42	+ 3 28.6	4.228	5.224	0.9	18.9
10 18	0 34.20	+ 3 9.9	4.246	5.212	3.0	19.0
10 28	0 29.46	+ 2 54.1	4.294	5.200	4.9	19.2
11 7	0 25.50	+ 2 42.9	4.369	5.188	6.7	19.3

60657 2000 FT_{47} 10 4.3 329.°46 4.°2/29.7 18

8 29	1 1.82	− 2 28.4	1.815	2.682	13.5	18.4
9 8	0 58.34	− 3 57.7	1.748	2.680	10.1	18.2
9 18	0 52.87	− 5 34.9	1.704	2.678	6.6	18.0
9 28	0 46.03	− 7 12.0	1.687	2.676	4.3	17.9
10 8	0 38.67	− 8 40.0	1.697	2.675	5.6	17.9
10 18	0 31.72	− 9 51.3	1.734	2.673	8.9	18.1
10 28	0 26.05	−10 40.5	1.797	2.672	12.3	18.3
11 7	0 22.31	−11 5.6	1.880	2.670	15.3	18.5

22059 2000 AD_{75} 10 4.3 200.°55 0.°6/ 5.7 18

8 29	0 55.60	+ 9 57.7	4.933	5.734	6.6	19.0
9 8	0 52.46	+ 9 36.1	4.840	5.732	5.1	18.8
9 18	0 48.59	+ 9 8.6	4.774	5.729	3.4	18.7
9 28	0 44.25	+ 8 36.4	4.736	5.727	1.6	18.6
10 8	0 39.72	+ 8 1.2	4.728	5.725	0.8	18.5
10 18	0 35.31	+ 7 25.2	4.751	5.722	2.4	18.6
10 28	0 31.33	+ 6 50.5	4.804	5.719	4.2	18.8
11 7	0 28.03	+ 6 19.2	4.885	5.717	5.8	18.9

318936 2005 UQ_{124} 10 4.3 290.°92 3.°1/ 7.8 18

8 29	1 1.91	+16 45.8	2.120	2.917	14.3	21.1
9 8	0 58.33	+16 27.7	2.026	2.907	11.6	20.9
9 18	0 52.87	+15 50.8	1.954	2.897	8.4	20.6
9 28	0 46.05	+14 56.1	1.906	2.887	5.0	20.4
10 8	0 38.65	+13 47.3	1.885	2.877	3.1	20.3
10 18	0 31.50	+12 30.1	1.893	2.867	5.2	20.4
10 28	0 25.48	+11 11.8	1.929	2.857	8.6	20.6
11 7	0 21.24	+ 9 59.6	1.989	2.848	11.9	20.8

246193 2007 RD_{99} 10 4.3 4.°29 3.°1/ 6.8 18

8 29	1 6.49	+12 55.5	1.592	2.417	17.1	20.5
9 8	1 2.30	+13 11.2	1.517	2.417	13.6	20.3
9 18	0 55.64	+13 9.0	1.462	2.417	9.6	20.1
9 28	0 47.19	+12 49.6	1.430	2.417	5.3	19.8
10 8	0 38.00	+12 16.5	1.424	2.418	3.1	19.7
10 18	0 29.25	+11 35.2	1.445	2.420	6.3	19.9
10 28	0 22.10	+10 53.3	1.491	2.421	10.5	20.2
11 7	0 17.34	+10 17.7	1.560	2.423	14.4	20.4

285797 2000 WN_{193} 10 4.3 113.°50 2.°5/ 6.2 17

8 29	1 10.91	+12 15.0	1.506	2.330	18.0	21.5
9 8	1 5.63	+12 15.0	1.441	2.342	14.1	21.2
9 18	0 57.72	+11 55.9	1.396	2.353	9.7	21.0
9 28	0 47.97	+11 19.4	1.375	2.364	5.0	20.8
10 8	0 37.58	+10 30.4	1.380	2.375	2.6	20.7
10 18	0 27.84	+ 9 36.1	1.411	2.386	6.5	20.9
10 28	0 19.93	+ 8 44.8	1.469	2.396	11.0	21.2
11 7	0 14.63	+ 8 3.3	1.550	2.405	14.9	21.5

122287 2000 PZ_{16} 10 4.3 107.°03 4.°3/30.6 18

8 29	1 8.98	− 1 30.8	1.443	2.308	16.4	19.4
9 8	1 4.01	− 2 54.1	1.394	2.325	12.3	19.2
9 18	0 56.54	− 4 25.7	1.367	2.342	7.9	19.0
9 28	0 47.45	− 5 56.0	1.366	2.358	4.5	18.8
10 8	0 37.92	− 7 15.0	1.391	2.373	5.8	19.0
10 18	0 29.15	− 8 14.4	1.442	2.388	9.7	19.2
10 28	0 22.22	− 8 49.4	1.518	2.403	13.6	19.5
11 7	0 17.78	− 8 59.3	1.614	2.417	16.9	19.8

488070 2015 UQ_{79} 10 4.3 299.°96 9.°1/23.4 17

8 29	1 4.45	−21 28.5	2.114	2.969	12.3	21.3
9 8	1 0.18	−22 53.1	2.057	2.958	10.5	21.2
9 18	0 53.98	−24 9.0	2.024	2.948	9.3	21.1
9 28	0 46.46	−25 8.2	2.015	2.938	9.2	21.1
10 8	0 38.45	−25 43.9	2.031	2.928	10.4	21.1
10 18	0 30.85	−25 52.5	2.071	2.918	12.3	21.2
10 28	0 24.50	−25 33.4	2.132	2.908	14.3	21.4
11 7	0 20.03	−24 49.0	2.212	2.898	16.2	21.5

162865 2001 EP_8 10 4.3 253.°22 3.°6/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.10	− 1 2.9	1.954	2.812	13.0	20.7
9 8	0 59.28	− 2 29.0	1.872	2.800	9.8	20.4
9 18	0 53.50	− 4 5.0	1.814	2.787	6.3	20.2
9 28	0 46.31	− 5 43.6	1.783	2.774	3.7	20.0
10 8	0 38.52	− 7 16.5	1.780	2.761	4.9	20.1
10 18	0 31.02	− 8 35.6	1.805	2.747	8.4	20.3
10 28	0 24.71	− 9 34.8	1.856	2.733	11.9	20.4
11 7	0 20.26	−10 11.2	1.929	2.719	15.0	20.6

353383 2011 MO_7 10 4.3 35.°10 0.°6/ 4.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.61	+ 7 52.3	1.353	2.207	17.9	20.8
9 8	1 1.67	+ 7 40.5	1.301	2.222	13.8	20.6
9 18	0 55.17	+ 7 12.2	1.268	2.238	8.9	20.4
9 28	0 46.95	+ 6 31.5	1.259	2.255	3.7	20.1
10 8	0 38.21	+ 5 44.9	1.275	2.272	1.8	20.0
10 18	0 30.19	+ 5 0.0	1.316	2.290	6.9	20.4
10 28	0 24.02	+ 4 23.9	1.382	2.309	11.5	20.7
11 7	0 20.36	+ 4 1.8	1.469	2.328	15.4	21.0

42906 1999 RK_{212} 10 4.3 169.°87 4.°1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.55	+20 13.2	1.891	2.676	16.3	19.1
9 8	0 59.74	+19 47.2	1.808	2.677	13.3	18.9
9 18	0 53.83	+18 57.2	1.744	2.677	9.9	18.7
9 28	0 46.44	+17 44.3	1.704	2.678	6.3	18.5
10 8	0 38.46	+16 12.8	1.691	2.678	4.1	18.4
10 18	0 30.89	+14 30.2	1.706	2.679	5.8	18.5
10 28	0 24.67	+12 45.9	1.749	2.679	9.2	18.7
11 7	0 20.49	+11 9.2	1.816	2.679	12.7	18.9

485306 2011 AF_{62} 10 4.3 197.°30 6.°1/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.95	+29 4.6	3.018	3.707	12.7	21.7
9 8	1 0.97	+29 35.7	2.920	3.704	11.0	21.6
9 18	0 54.38	+29 49.8	2.841	3.701	9.2	21.4
9 28	0 46.62	+29 45.4	2.787	3.698	7.4	21.3
10 8	0 38.34	+29 22.4	2.758	3.694	6.3	21.2
10 18	0 30.25	+28 43.0	2.758	3.690	6.3	21.2
10 28	0 23.06	+27 51.1	2.785	3.686	7.5	21.3
11 7	0 17.36	+26 52.3	2.839	3.681	9.3	21.4

316965 2001 FE_{71} 10 4.3 157.°38 0.°3/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.93	+ 6 11.3	2.828	3.642	10.7	21.3
9 8	1 1.46	+ 6 9.6	2.747	3.648	8.2	21.2
9 18	0 54.54	+ 6 0.5	2.691	3.653	5.3	21.0
9 28	0 46.64	+ 5 45.8	2.663	3.658	2.2	20.8
10 8	0 38.37	+ 5 28.1	2.665	3.663	1.1	20.7
10 18	0 30.39	+ 5 10.6	2.698	3.667	4.3	21.0
10 28	0 23.33	+ 4 56.2	2.761	3.671	7.2	21.2
11 7	0 17.69	+ 4 47.7	2.849	3.674	9.7	21.3

137180 1999 JF_{20} 10 4.3 90.°24 1.°0/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.01	+ 2 45.8	2.129	2.966	12.9	20.2
9 8	1 2.54	+ 2 26.1	2.071	2.986	9.7	20.0
9 18	0 55.30	+ 1 59.0	2.037	3.006	6.1	19.8
9 28	0 46.93	+ 1 28.0	2.029	3.026	2.4	19.6
10 8	0 38.23	+ 0 57.7	2.051	3.046	2.1	19.6
10 18	0 30.05	+ 0 32.2	2.102	3.065	5.7	19.9
10 28	0 23.16	+ 0 15.4	2.180	3.084	9.1	20.1
11 7	0 18.08	+ 0 9.6	2.283	3.103	12.0	20.4

383087 2005 SV_{86} 10 4.3 317.°88 0.°6/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.36	+ 6 27.4	1.403	2.262	17.1	21.2
9 8	1 0.22	+ 5 48.5	1.325	2.252	13.2	20.9
9 18	0 54.47	+ 4 51.8	1.268	2.241	8.5	20.7
9 28	0 46.78	+ 3 42.2	1.234	2.232	3.3	20.3
10 8	0 38.25	+ 2 27.9	1.225	2.222	2.4	20.2
10 18	0 30.13	+ 1 18.1	1.242	2.213	7.8	20.5
10 28	0 23.67	+ 0 22.0	1.284	2.205	12.7	20.8
11 7	0 19.72	− 0 14.4	1.346	2.197	17.0	21.1

158757 2003 QV_{87} 10 4.3 345.°34 0.°9/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.46	+ 5 27.8	2.007	2.854	13.2	19.3
9 8	0 57.17	+ 4 38.5	1.930	2.850	10.0	19.0
9 18	0 52.08	+ 3 36.8	1.875	2.847	6.3	18.8
9 28	0 45.73	+ 2 27.4	1.846	2.843	2.4	18.6
10 8	0 38.89	+ 1 16.4	1.845	2.841	2.1	18.5
10 18	0 32.38	+ 0 10.4	1.872	2.838	6.1	18.8
10 28	0 27.01	− 0 44.5	1.926	2.836	9.8	19.0
11 7	0 23.37	− 1 24.0	2.003	2.834	13.0	19.2

340324 2006 DV_{32} 10 4.3 178.°93 2.°8/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.10	+13 13.3	2.054	2.853	14.6	21.4
9 8	1 4.53	+13 29.3	1.970	2.855	11.7	21.2
9 18	0 56.84	+13 30.8	1.908	2.855	8.2	21.0
9 28	0 47.63	+13 18.3	1.872	2.856	4.7	20.7
10 8	0 37.79	+12 54.1	1.863	2.856	2.9	20.6
10 18	0 28.29	+12 22.3	1.884	2.855	5.5	20.8
10 28	0 20.11	+11 48.7	1.932	2.855	9.0	21.0
11 7	0 13.96	+11 18.7	2.006	2.853	12.3	21.2

321468 2009 RH_{48} 10 4.3 302.°83 0.°3/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.20	+ 3 17.9	2.192	3.025	12.7	20.2
9 8	1 2.93	+ 3 25.5	2.105	3.017	9.7	19.9
9 18	0 55.75	+ 3 26.4	2.041	3.009	6.3	19.7
9 28	0 47.19	+ 3 22.7	2.004	3.001	2.4	19.5
10 8	0 38.05	+ 3 17.6	1.996	2.993	1.6	19.4
10 18	0 29.19	+ 3 14.3	2.018	2.985	5.5	19.6
10 28	0 21.49	+ 3 16.2	2.067	2.978	9.2	19.9
11 7	0 15.60	+ 3 26.2	2.141	2.971	12.3	20.1

355780 2008 RR_{126} 10 4.3 189.°90 1.°0/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 55.56	+ 0 34.1	4.828	5.663	6.2	21.7
9 8	0 52.43	+ 0 3.0	4.746	5.662	4.6	21.5
9 18	0 48.59	− 0 31.1	4.691	5.662	2.9	21.4
9 28	0 44.27	− 1 6.3	4.665	5.661	1.3	21.3
10 8	0 39.77	− 1 40.5	4.670	5.660	1.5	21.3
10 18	0 35.40	− 2 11.5	4.705	5.659	3.2	21.4
10 28	0 31.46	− 2 37.5	4.769	5.658	4.9	21.6
11 7	0 28.21	− 2 57.0	4.860	5.657	6.4	21.7

1091 Spiraea 10 4.3 284.°29 0.°5/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.73	+ 4 58.6	2.557	3.391	11.1	16.2
9 8	0 57.76	+ 4 31.5	2.471	3.384	8.4	16.0
9 18	0 52.30	+ 3 55.7	2.409	3.378	5.4	15.8
9 28	0 45.80	+ 3 14.3	2.374	3.371	2.1	15.6
10 8	0 38.87	+ 2 31.2	2.369	3.365	1.5	15.5
10 18	0 32.19	+ 1 50.6	2.392	3.358	4.9	15.7
10 28	0 26.41	+ 1 16.8	2.443	3.352	8.1	15.9
11 7	0 22.06	+ 0 52.9	2.520	3.346	10.8	16.1

289493 2005 EN_{112} 10 4.3 251.°56 1.°7/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.06	+ 2 27.3	2.025	2.871	13.1	21.4
9 8	1 0.73	+ 1 43.0	1.937	2.858	10.0	21.2
9 18	0 54.43	+ 0 48.7	1.872	2.845	6.3	20.9
9 28	0 46.70	− 0 11.2	1.834	2.831	2.6	20.7
10 8	0 38.34	− 1 10.5	1.824	2.817	2.9	20.7
10 18	0 30.26	− 2 3.1	1.843	2.803	6.7	20.9
10 28	0 23.35	− 2 43.4	1.888	2.788	10.5	21.1
11 7	0 18.31	− 3 7.8	1.957	2.774	13.8	21.3

193440 2000 WR_{126} 10 4.3 5.°52 1.°2/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.94	+10 25.5	1.427	2.274	17.6	19.2
9 8	0 59.76	+10 2.0	1.357	2.274	13.7	18.9
9 18	0 54.08	+ 9 18.6	1.308	2.274	9.1	18.7
9 28	0 46.60	+ 8 18.8	1.281	2.275	4.1	18.4
10 8	0 38.41	+ 7 9.2	1.280	2.277	1.9	18.3
10 18	0 30.74	+ 5 58.8	1.304	2.280	6.7	18.6
10 28	0 24.73	+ 4 56.5	1.353	2.282	11.5	18.9
11 7	0 21.16	+ 4 9.3	1.424	2.286	15.6	19.1

159594 2001 XP_{192} 10 4.3 128.°56 2.°1/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.77	+ 1 44.4	1.845	2.694	14.1	20.0
9 8	1 1.98	+ 0 56.2	1.781	2.703	10.6	19.8
9 18	0 55.14	− 0 1.2	1.739	2.712	6.7	19.6
9 28	0 46.93	− 1 2.3	1.724	2.720	2.8	19.4
10 8	0 38.25	− 2 0.4	1.736	2.728	3.2	19.4
10 18	0 30.07	− 2 49.2	1.777	2.735	7.1	19.7
10 28	0 23.30	− 3 23.7	1.844	2.742	10.8	19.9
11 7	0 18.55	− 3 41.2	1.934	2.749	14.0	20.1

138188 2000 EV_{115} 10 4.3 146.°44 0.°4/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.44	+ 6 12.3	1.932	2.771	13.9	20.9
9 8	1 0.23	+ 5 37.5	1.857	2.772	10.6	20.7
9 18	0 54.06	+ 4 50.2	1.804	2.773	6.8	20.5
9 28	0 46.52	+ 3 54.4	1.777	2.774	2.6	20.2
10 8	0 38.47	+ 2 55.9	1.779	2.775	1.8	20.2
10 18	0 30.80	+ 2 0.8	1.808	2.776	6.0	20.5
10 28	0 24.41	+ 1 15.2	1.864	2.777	9.9	20.7
11 7	0 19.92	+ 0 43.2	1.944	2.778	13.2	20.9

384340 2009 TE_4 10 4.3 32.°66 5.°0/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.41	− 1 50.2	1.167	2.055	17.9	20.0
9 8	1 0.29	− 3 11.8	1.123	2.065	13.4	19.8
9 18	0 54.41	− 4 42.5	1.098	2.077	8.7	19.6
9 28	0 46.69	− 6 11.5	1.097	2.089	5.2	19.4
10 8	0 38.42	− 7 26.9	1.119	2.103	6.6	19.6
10 18	0 30.95	− 8 19.5	1.165	2.117	10.8	19.8
10 28	0 25.47	− 8 44.4	1.233	2.131	15.1	20.1
11 7	0 22.65	− 8 41.2	1.320	2.146	18.7	20.4

131112 2001 AQ_{35} 10 4.3 104.°50 5.°5/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.26	+20 52.0	1.959	2.725	16.4	19.2
9 8	1 4.73	+21 23.8	1.887	2.739	13.6	19.0
9 18	0 56.98	+21 35.6	1.835	2.754	10.4	18.9
9 28	0 47.68	+21 26.0	1.808	2.768	7.3	18.7
10 8	0 37.80	+20 56.8	1.807	2.782	5.6	18.7
10 18	0 28.40	+20 12.2	1.833	2.795	6.5	18.7
10 28	0 20.49	+19 19.1	1.887	2.809	9.2	18.9
11 7	0 14.76	+18 25.1	1.965	2.822	12.2	19.2

508920 2004 CN_{108} 10 4.3 192.°73 5.°0/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.20	+22 12.3	2.458	3.205	13.9	21.7
9 8	1 2.15	+22 31.5	2.365	3.203	11.6	21.5
9 18	0 55.24	+22 33.3	2.293	3.201	9.1	21.3
9 28	0 47.00	+22 16.6	2.245	3.199	6.6	21.2
10 8	0 38.18	+21 42.7	2.225	3.196	5.0	21.1
10 18	0 29.62	+20 54.9	2.233	3.193	5.8	21.1
10 28	0 22.14	+19 58.6	2.270	3.189	8.0	21.3
11 7	0 16.41	+19 0.2	2.332	3.185	10.6	21.4

514824 2007 VD_{338} 10 4.3 278.°82 3.°8/ 7.9 18

8 29	1 5.95	+16 20.7	2.032	2.826	15.0	21.0
9 8	1 1.55	+16 36.4	1.938	2.815	12.2	20.8
9 18	0 55.05	+16 35.3	1.865	2.804	8.9	20.6
9 28	0 46.98	+16 17.2	1.816	2.793	5.6	20.4
10 8	0 38.18	+15 44.0	1.794	2.782	3.8	20.2
10 18	0 29.61	+14 59.9	1.800	2.771	5.7	20.3
10 28	0 22.26	+14 11.2	1.833	2.759	9.1	20.5
11 7	0 16.88	+13 24.7	1.890	2.748	12.5	20.7

383028 2005 NK_{76} 10 4.3 8.°31 5.°3/ 8.5 18

8 29	1 3.39	+17 41.2	1.228	2.059	20.8	20.4
9 8	1 0.60	+17 59.4	1.162	2.059	17.0	20.2
9 18	0 54.88	+17 50.1	1.112	2.061	12.6	19.9
9 28	0 46.98	+17 12.6	1.083	2.063	8.0	19.7
10 8	0 38.21	+16 11.2	1.077	2.066	5.3	19.6
10 18	0 30.01	+14 54.4	1.095	2.071	7.6	19.7
10 28	0 23.79	+13 34.0	1.136	2.076	12.0	20.0
11 7	0 20.44	+12 21.6	1.198	2.082	16.3	20.3

377648 2005 UD_{135} 10 4.3 274.°19 2.°7/30.4 17

8 29	1 1.01	− 5 25.1	3.212	4.060	8.7	20.9
9 8	0 56.93	− 5 59.7	3.124	4.045	6.6	20.7
9 18	0 51.65	− 6 36.0	3.062	4.030	4.4	20.5
9 28	0 45.53	− 7 10.7	3.028	4.015	2.8	20.4
10 8	0 39.07	− 7 40.2	3.024	4.000	3.5	20.4
10 18	0 32.79	− 8 1.6	3.049	3.985	5.6	20.6
10 28	0 27.20	− 8 12.4	3.101	3.970	7.9	20.7
11 7	0 22.75	− 8 11.5	3.178	3.954	10.0	20.8

449330 2013 FQ_{21} 10 4.3 150.°62 0.°9/ 3.4 18

8 29	1 7.91	+ 2 11.4	2.366	3.199	11.9	22.0
9 8	1 2.46	+ 2 2.3	2.291	3.204	9.0	21.8
9 18	0 55.31	+ 1 47.0	2.239	3.208	5.7	21.6
9 28	0 47.00	+ 1 28.2	2.215	3.212	2.2	21.4
10 8	0 38.26	+ 1 9.7	2.220	3.215	1.9	21.4
10 18	0 29.88	+ 0 54.9	2.255	3.219	5.4	21.6
10 28	0 22.62	+ 0 47.2	2.319	3.222	8.7	21.9
11 7	0 17.03	+ 0 48.8	2.407	3.225	11.5	22.1

392280 2010 AV_{121} 10 4.3 302.°96 1.°2/ 6.3 15

8 29	1 1.22	+10 41.7	4.209	5.001	7.8	21.1
9 8	0 56.81	+10 52.1	4.114	4.997	6.1	20.9
9 18	0 51.45	+10 56.1	4.044	4.993	4.2	20.8
9 28	0 45.44	+10 54.5	4.003	4.990	2.2	20.7
10 8	0 39.16	+10 48.6	3.991	4.986	1.3	20.6
10 18	0 33.00	+10 40.1	4.011	4.982	2.9	20.7
10 28	0 27.39	+10 31.0	4.062	4.979	4.9	20.8
11 7	0 22.66	+10 23.4	4.140	4.975	6.7	21.0

330614 2008 DK_{81} 10 4.3 86.°32 0.°2/ 4.2 16

8 29	1 8.34	+ 7 9.2	1.517	2.361	16.8	21.6
9 8	1 3.48	+ 6 32.3	1.462	2.379	12.8	21.4
9 18	0 56.23	+ 5 40.0	1.428	2.397	8.2	21.1
9 28	0 47.38	+ 4 37.3	1.418	2.415	3.2	20.9
10 8	0 38.07	+ 3 31.7	1.435	2.432	2.0	20.8
10 18	0 29.47	+ 2 31.0	1.480	2.450	6.8	21.2
10 28	0 22.61	+ 1 42.3	1.550	2.467	11.2	21.5
11 7	0 18.15	+ 1 10.2	1.642	2.483	14.9	21.8

399963 2006 BG_{63} 10 4.3 221.°92 4.°5/29.2 18

8 29	1 4.17	− 8 28.4	2.353	3.210	11.2	20.5
9 8	0 59.67	− 9 20.0	2.285	3.208	8.5	20.3
9 18	0 53.54	−10 12.1	2.241	3.206	6.0	20.2
9 28	0 46.30	−10 59.0	2.224	3.203	4.6	20.1
10 8	0 38.66	−11 35.6	2.235	3.201	5.5	20.1
10 18	0 31.37	−11 57.8	2.275	3.198	7.9	20.3
10 28	0 25.13	−12 3.0	2.339	3.196	10.6	20.4
11 7	0 20.50	−11 50.9	2.427	3.193	13.0	20.6

256617 2007 VH_{155} 10 4.3 66.°93 1.°5/ 3.4 18

8 29	1 12.74	+ 2 2.1	1.249	2.111	18.7	20.3
9 8	1 7.31	+ 1 54.1	1.197	2.124	14.2	20.0
9 18	0 58.90	+ 1 35.6	1.163	2.137	9.0	19.8
9 28	0 48.48	+ 1 11.6	1.153	2.151	3.5	19.5
10 8	0 37.45	+ 0 48.7	1.169	2.164	3.1	19.5
10 18	0 27.30	+ 0 33.4	1.209	2.178	8.3	19.9
10 28	0 19.33	+ 0 30.8	1.274	2.191	13.2	20.2
11 7	0 14.31	+ 0 43.5	1.360	2.205	17.2	20.5

286995 2002 QV_{54} 10 4.3 291.°13 3.°4/ 6.9 18

	h m	° ′			°	m
8 29	1 9.35	+13 14.3	1.841	2.649	15.8	20.5
9 8	1 4.34	+13 46.5	1.752	2.641	12.7	20.3
9 18	0 56.95	+14 4.1	1.684	2.632	9.1	20.0
9 28	0 47.78	+14 6.6	1.641	2.624	5.3	19.8
10 8	0 37.77	+13 55.6	1.624	2.615	3.5	19.7
10 18	0 28.04	+13 34.8	1.635	2.607	6.1	19.8
10 28	0 19.70	+13 9.9	1.673	2.599	9.9	20.0
11 7	0 13.60	+12 47.2	1.735	2.591	13.5	20.2

340534 2006 JY_{51} 10 4.3 269.°31 0.°2/ 4.1 18

8 29	1 3.90	+ 7 41.2	1.845	2.683	14.5	21.2
9 8	1 0.10	+ 6 56.0	1.753	2.668	11.2	20.9
9 18	0 54.17	+ 5 54.8	1.684	2.652	7.3	20.7
9 28	0 46.66	+ 4 41.3	1.640	2.637	2.9	20.4
10 8	0 38.43	+ 3 22.2	1.624	2.621	1.8	20.3
10 18	0 30.46	+ 2 5.1	1.635	2.604	6.4	20.5
10 28	0 23.76	+ 0 57.9	1.673	2.588	10.7	20.8
11 7	0 19.07	+ 0 6.3	1.735	2.571	14.5	21.0

268906 2007 CR_3 10 4.3 247.°80 3.°6/ 7.3 18

8 29	1 7.96	+15 3.3	1.691	2.501	16.9	20.4
9 8	1 3.45	+15 12.9	1.605	2.493	13.6	20.2
9 18	0 56.45	+15 3.2	1.538	2.486	9.8	20.0
9 28	0 47.59	+14 34.2	1.495	2.478	5.8	19.7
10 8	0 37.88	+13 48.9	1.478	2.470	3.6	19.6
10 18	0 28.51	+12 53.2	1.488	2.462	6.4	19.7
10 28	0 20.64	+11 55.2	1.525	2.454	10.5	19.9
11 7	0 15.15	+11 2.7	1.585	2.445	14.4	20.2

229366 2005 QE_{180} 10 4.3 18.°38 1.°4/ 5.4 18

8 29	1 2.21	+10 35.7	1.139	2.002	20.0	19.9
9 8	0 59.65	+10 14.5	1.083	2.008	15.6	19.6
9 18	0 54.19	+ 9 29.9	1.044	2.014	10.4	19.4
9 28	0 46.69	+ 8 26.2	1.027	2.022	4.7	19.1
10 8	0 38.47	+ 7 11.7	1.033	2.031	2.1	19.0
10 18	0 30.95	+ 5 57.3	1.063	2.041	7.5	19.3
10 28	0 25.44	+ 4 53.7	1.117	2.052	12.7	19.7
11 7	0 22.72	+ 4 8.4	1.190	2.064	17.2	20.0

317428 2002 QX_{18} 10 4.3 71.°87 2.°0/ 2.9 17

8 29	1 10.23	+ 2 22.3	1.352	2.212	17.6	20.7
9 8	1 5.07	+ 1 45.7	1.305	2.233	13.2	20.5
9 18	0 57.28	+ 0 57.8	1.279	2.253	8.3	20.3
9 28	0 47.80	+ 0 5.3	1.277	2.274	3.3	20.0
10 8	0 37.88	− 0 43.9	1.301	2.295	3.4	20.1
10 18	0 28.82	− 1 22.5	1.351	2.315	8.1	20.4
10 28	0 21.74	− 1 45.0	1.425	2.335	12.5	20.8
11 7	0 17.30	− 1 49.2	1.521	2.355	16.2	21.0

352701 2008 SE_{137} 10 4.3 348.°78 6.°0/28.3 18

8 29	1 0.36	− 3 58.7	1.413	2.297	15.5	19.7
9 8	0 57.77	− 5 53.1	1.352	2.293	11.8	19.5
9 18	0 52.79	− 7 56.7	1.314	2.289	8.0	19.3
9 28	0 46.11	− 9 57.9	1.300	2.286	6.0	19.1
10 8	0 38.79	−11 44.0	1.312	2.284	7.8	19.2
10 18	0 31.97	−13 5.0	1.349	2.282	11.5	19.4
10 28	0 26.72	−13 54.6	1.408	2.280	15.3	19.7
11 7	0 23.80	−14 12.1	1.486	2.280	18.6	19.9

25311 1998 YV_3 10 4.3 349.°12 1.°3/ 3.1 18

8 29	1 0.23	+ 3 38.1	1.680	2.542	14.6	18.5
9 8	0 57.38	+ 3 4.0	1.604	2.533	11.1	18.2
9 18	0 52.42	+ 2 18.0	1.550	2.525	7.0	18.0
9 28	0 45.95	+ 1 25.1	1.521	2.518	2.7	17.7
10 8	0 38.87	+ 0 31.7	1.517	2.513	2.6	17.7
10 18	0 32.15	− 0 15.4	1.541	2.508	7.0	18.0
10 28	0 26.76	− 0 50.1	1.589	2.504	11.1	18.2
11 7	0 23.40	− 1 8.3	1.659	2.501	14.7	18.4

299616 2006 JE_4 10 4.3 298.°44 2.°6/ 7.1 18 R

8 29	1 2.20	+16 3.8	1.744	2.557	16.3	20.1
9 8	0 58.89	+15 23.3	1.659	2.552	13.1	19.9
9 18	0 53.40	+14 19.2	1.595	2.547	9.2	19.7
9 28	0 46.35	+12 54.0	1.555	2.542	5.0	19.4
10 8	0 38.64	+11 13.5	1.542	2.537	2.6	19.2
10 18	0 31.31	+ 9 26.7	1.556	2.532	5.8	19.4
10 28	0 25.36	+ 7 43.7	1.598	2.527	10.0	19.7
11 7	0 21.51	+ 6 13.4	1.663	2.523	13.8	19.9

293413 2007 ET_{94} 10 4.3 281.°27 0.°0/ 4.1 18

8 29	1 3.92	+ 6 26.9	2.160	2.993	12.9	21.1
9 8	0 59.77	+ 6 6.1	2.071	2.982	9.9	20.9
9 18	0 53.78	+ 5 34.3	2.004	2.971	6.4	20.7
9 28	0 46.46	+ 4 54.3	1.964	2.960	2.5	20.4
10 8	0 38.58	+ 4 10.4	1.951	2.949	1.5	20.3
10 18	0 30.94	+ 3 27.8	1.968	2.937	5.5	20.6
10 28	0 24.40	+ 2 51.6	2.012	2.926	9.2	20.8
11 7	0 19.59	+ 2 26.0	2.080	2.915	12.4	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
482944	2014 JL_{67}	10	4.3	153.°94	2.°2/ 6.9	18
	h m	° ′			°	m
8 29	1 3.06	+15 5.1	2.092	2.895	14.3	21.5
9 8	0 59.12	+14 30.3	2.010	2.898	11.3	21.3
9 18	0 53.33	+13 37.0	1.950	2.900	7.9	21.1
9 28	0 46.27	+12 27.6	1.916	2.902	4.3	20.9
10 8	0 38.71	+11 6.8	1.909	2.904	2.3	20.8
10 18	0 31.52	+ 9 41.4	1.932	2.906	5.0	21.0
10 28	0 25.51	+ 8 18.9	1.982	2.907	8.6	21.2
11 7	0 21.29	+ 7 6.0	2.058	2.909	11.9	21.4
493116	2014 TK_{16}	10	4.3	176.°29	0.°0/ 4.4	18
8 29	1 4.37	+ 5 43.7	2.576	3.401	11.3	21.1
9 8	0 59.72	+ 5 36.5	2.494	3.401	8.6	20.9
9 18	0 53.55	+ 5 21.3	2.436	3.401	5.6	20.7
9 28	0 46.33	+ 5 0.3	2.405	3.401	2.2	20.5
10 8	0 38.69	+ 4 36.6	2.404	3.401	1.2	20.4
10 18	0 31.33	+ 4 13.8	2.432	3.401	4.6	20.7
10 28	0 24.93	+ 3 55.3	2.489	3.401	7.7	20.9
11 7	0 19.99	+ 3 44.3	2.571	3.401	10.5	21.1
489934	2008 RG_{46}	10	4.3	348.°39	0.°3/ 3.9	18
8 29	0 57.61	+ 4 11.0	4.281	5.105	7.2	21.5
9 8	0 54.07	+ 3 56.4	4.196	5.105	5.4	21.4
9 18	0 49.70	+ 3 37.4	4.137	5.104	3.4	21.3
9 28	0 44.76	+ 3 15.6	4.107	5.104	1.3	21.1
10 8	0 39.61	+ 2 53.1	4.107	5.103	0.9	21.1
10 18	0 34.60	+ 2 31.9	4.137	5.103	3.1	21.2
10 28	0 30.10	+ 2 14.1	4.197	5.103	5.1	21.4
11 7	0 26.41	+ 2 1.5	4.284	5.102	6.9	21.5
299233	2005 JO_{150}	10	4.3	227.°33	1.°0/ 3.3	18
8 29	1 4.03	+ 4 50.5	2.078	2.918	13.1	21.6
9 8	0 59.86	+ 4 4.4	1.995	2.912	9.9	21.4
9 18	0 53.83	+ 3 6.7	1.936	2.907	6.3	21.1
9 28	0 46.49	+ 2 1.7	1.903	2.900	2.4	20.9
10 8	0 38.61	+ 0 55.4	1.899	2.894	2.2	20.9
10 18	0 31.04	− 0 5.9	1.923	2.888	6.1	21.1
10 28	0 24.62	− 0 56.5	1.975	2.881	9.8	21.3
11 7	0 19.99	− 1 32.3	2.050	2.874	13.0	21.5
447095	2004 TZ_{110}	10	4.3	258.°49	0.°9/ 3.4	17
8 29	1 6.41	+ 2 29.6	2.630	3.460	11.0	21.5
9 8	1 1.36	+ 2 15.9	2.529	3.440	8.3	21.3
9 18	0 54.68	+ 1 55.8	2.453	3.421	5.3	21.1
9 28	0 46.82	+ 1 31.9	2.404	3.401	2.1	20.8
10 8	0 38.40	+ 1 7.6	2.385	3.380	1.8	20.8
10 18	0 30.15	+ 0 46.5	2.397	3.360	5.2	21.0
10 28	0 22.80	+ 0 32.1	2.437	3.339	8.4	21.1
11 7	0 16.93	+ 0 27.0	2.502	3.317	11.2	21.3
406768	2008 LH_5	10	4.3	302.°92	7.°3/25.2	18
8 29	1 2.53	−15 55.9	2.196	3.059	11.6	20.3
9 8	0 58.62	−17 22.5	2.138	3.054	9.4	20.2
9 18	0 52.97	−18 45.0	2.103	3.048	7.7	20.1
9 28	0 46.12	−19 55.5	2.095	3.043	7.4	20.1
10 8	0 38.83	−20 47.6	2.113	3.038	8.6	20.1
10 18	0 31.90	−21 16.7	2.157	3.033	10.6	20.3
10 28	0 26.11	−21 21.3	2.223	3.028	12.9	20.4
11 7	0 22.01	−21 2.3	2.309	3.023	14.9	20.6
304189	2006 QU_{65}	10	4.3	336.°60	1.°3/ 5.5	18
8 29	1 4.89	+ 9 15.8	1.678	2.516	15.8	20.9
9 8	1 1.01	+ 9 14.5	1.598	2.509	12.3	20.7
9 18	0 54.81	+ 8 58.3	1.539	2.503	8.3	20.4
9 28	0 46.94	+ 8 29.2	1.504	2.497	3.8	20.1
10 8	0 38.34	+ 7 51.7	1.495	2.492	1.8	20.0
10 18	0 30.11	+ 7 11.5	1.513	2.487	6.1	20.3
10 28	0 23.32	+ 6 35.3	1.557	2.483	10.5	20.5
11 7	0 18.75	+ 6 8.8	1.623	2.479	14.3	20.7
404815	2014 JD_{68}	10	4.4	146.°09	2.°4/ 1.7	18
8 29	1 5.29	− 0 23.4	2.250	3.096	12.0	22.1
9 8	1 0.54	− 1 11.3	2.182	3.103	9.0	22.0
9 18	0 54.11	− 2 5.3	2.138	3.110	5.7	21.8
9 28	0 46.55	− 3 0.6	2.122	3.116	2.8	21.6
10 8	0 38.61	− 3 51.8	2.135	3.122	3.4	21.6
10 18	0 31.05	− 4 33.9	2.176	3.128	6.5	21.9
10 28	0 24.62	− 5 2.9	2.245	3.133	9.6	22.1
11 7	0 19.86	− 5 16.9	2.338	3.138	12.4	22.3
143784	2003 WU_{74}	10	4.4	269.°94	2.°7/ 6.5	18
8 29	1 8.98	+12 5.8	1.958	2.768	14.9	19.6
9 8	1 3.96	+12 26.6	1.863	2.754	11.9	19.4
9 18	0 56.69	+12 33.7	1.789	2.740	8.4	19.1
9 28	0 47.70	+12 27.1	1.740	2.727	4.6	18.9
10 8	0 37.89	+12 9.2	1.719	2.713	2.8	18.7
10 18	0 28.30	+11 43.6	1.726	2.698	5.8	18.9
10 28	0 19.98	+11 16.0	1.760	2.684	9.6	19.1
11 7	0 13.75	+10 52.1	1.819	2.670	13.2	19.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
200036	2007 RH_{77}	10	4.4	221.°61	0.°5/ 5.3	18
	h m	° ′			°	m
8 29	0 56.58	+ 8 35.3	4.636	5.443	6.9	20.7
9 8	0 53.27	+ 8 20.5	4.546	5.441	5.3	20.6
9 18	0 49.17	+ 7 59.9	4.481	5.440	3.5	20.5
9 28	0 44.56	+ 7 35.0	4.445	5.438	1.6	20.3
10 8	0 39.75	+ 7 7.4	4.438	5.436	0.7	20.2
10 18	0 35.06	+ 6 39.3	4.463	5.434	2.6	20.4
10 28	0 30.83	+ 6 12.8	4.517	5.432	4.5	20.5
11 7	0 27.33	+ 5 49.8	4.599	5.430	6.2	20.7
195412	2002 GF_{39}	10	4.4	311.°33	1.°6/ 7.3	18
8 29	0 57.19	+13 59.3	4.085	4.870	8.2	19.5
9 8	0 53.87	+13 49.4	3.988	4.864	6.5	19.3
9 18	0 49.63	+13 31.1	3.916	4.859	4.6	19.2
9 28	0 44.77	+13 5.4	3.871	4.853	2.6	19.1
10 8	0 39.65	+12 33.9	3.856	4.848	1.6	19.0
10 18	0 34.66	+11 59.0	3.870	4.842	2.9	19.1
10 28	0 30.21	+11 23.5	3.915	4.837	4.9	19.2
11 7	0 26.61	+10 50.0	3.986	4.832	6.8	19.3
453219	2008 HK_{35}	10	4.4	29.°87	7.°0/27.8	18
8 29	1 5.28	−13 14.1	1.804	2.672	13.5	19.8
9 8	1 0.89	−14 15.7	1.756	2.680	10.6	19.6
9 18	0 54.47	−15 13.0	1.731	2.688	8.1	19.5
9 28	0 46.72	−15 58.3	1.731	2.697	7.0	19.5
10 8	0 38.58	−16 25.0	1.756	2.706	8.2	19.6
10 18	0 31.02	−16 29.4	1.807	2.716	10.6	19.7
10 28	0 24.91	−16 10.4	1.882	2.726	13.3	19.9
11 7	0 20.82	−15 29.8	1.976	2.736	15.7	20.1
474682	2005 EK_{73}	10	4.4	288.°30	1.°6/ 2.9	16
8 29	1 4.19	+ 3 56.6	1.764	2.615	14.5	22.1
9 8	1 0.53	+ 3 7.0	1.666	2.590	11.1	21.9
9 18	0 54.59	+ 2 3.1	1.591	2.564	7.1	21.6
9 28	0 46.92	+ 0 49.8	1.541	2.538	2.8	21.3
10 8	0 38.38	− 0 25.8	1.518	2.512	3.0	21.2
10 18	0 30.02	− 1 35.4	1.522	2.485	7.5	21.4
10 28	0 22.93	− 2 31.5	1.552	2.459	11.9	21.6
11 7	0 17.94	− 3 8.7	1.604	2.432	15.9	21.8
99645	2002 GE_{165}	10	4.4	311.°39	1.°3/ 3.1	18
8 29	1 2.75	+ 5 10.3	1.594	2.450	15.6	19.1
9 8	0 59.47	+ 4 17.5	1.515	2.441	11.9	18.9
9 18	0 53.87	+ 3 9.1	1.458	2.432	7.5	18.6
9 28	0 46.60	+ 1 50.5	1.425	2.423	2.9	18.3
10 8	0 38.62	+ 0 30.0	1.419	2.414	2.8	18.3
10 18	0 31.01	− 0 43.7	1.439	2.405	7.5	18.5
10 28	0 24.84	− 1 42.6	1.485	2.397	11.9	18.8
11 7	0 20.90	− 2 21.6	1.552	2.389	15.8	19.0
352942	2009 AT_{49}	10	4.4	314.°54	0.°7/ 4.9	16
8 29	1 4.87	+ 7 35.3	1.512	2.361	16.6	21.2
9 8	1 1.40	+ 7 30.5	1.422	2.341	13.0	20.9
9 18	0 55.33	+ 7 10.4	1.353	2.322	8.6	20.6
9 28	0 47.26	+ 6 37.3	1.307	2.303	3.7	20.2
10 8	0 38.20	+ 5 56.4	1.287	2.285	1.8	20.1
10 18	0 29.40	+ 5 14.3	1.292	2.267	7.0	20.4
10 28	0 22.12	+ 4 38.6	1.323	2.249	11.9	20.6
11 7	0 17.30	+ 4 15.5	1.374	2.233	16.3	20.8
156860	2003 DG_8	10	4.4	95.°01	0.°6/ 3.8	18
8 29	1 6.62	+ 6 8.4	1.636	2.481	15.8	20.7
9 8	1 2.15	+ 5 28.7	1.572	2.491	12.0	20.5
9 18	0 55.42	+ 4 34.8	1.530	2.501	7.6	20.3
9 28	0 47.15	+ 3 31.8	1.514	2.511	2.9	20.0
10 8	0 38.36	+ 2 26.7	1.524	2.521	2.1	20.0
10 18	0 30.13	+ 1 26.9	1.562	2.530	6.8	20.3
10 28	0 23.46	+ 0 39.3	1.625	2.540	11.0	20.6
11 7	0 19.03	+ 0 8.1	1.712	2.549	14.6	20.8
423173	2004 FS_{166}	10	4.4	143.°24	4.°8/ 9.4	16
8 29	1 10.62	+20 51.5	2.137	2.896	15.4	22.3
9 8	1 4.86	+21 1.5	2.059	2.909	12.7	22.1
9 18	0 57.04	+20 51.9	2.003	2.921	9.6	22.0
9 28	0 47.78	+20 22.1	1.970	2.933	6.6	21.8
10 8	0 37.99	+19 34.4	1.966	2.944	4.8	21.7
10 18	0 28.64	+18 33.7	1.990	2.954	5.9	21.8
10 28	0 20.67	+17 26.9	2.042	2.964	8.7	22.0
11 7	0 14.73	+16 21.4	2.120	2.972	11.6	22.2
362994	2013 CE_{137}	10	4.4	271.°40	2.°7/ 1.4	18
8 29	1 3.01	+ 0 44.3	2.000	2.854	12.9	21.4
9 8	0 59.25	− 0 22.3	1.912	2.838	9.8	21.2
9 18	0 53.56	− 1 39.1	1.849	2.822	6.2	21.0
9 28	0 46.46	− 3 0.4	1.812	2.806	3.1	20.7
10 8	0 38.74	− 4 18.9	1.803	2.790	3.9	20.8
10 18	0 31.28	− 5 27.4	1.822	2.774	7.5	21.0
10 28	0 24.97	− 6 19.7	1.867	2.757	11.2	21.2
11 7	0 20.47	− 6 52.5	1.935	2.741	14.4	21.3

136864 1998 FB_{41} 10 4.4 86.°78 0.°7/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.61	+ 6 53.9	1.540	2.380	16.8	19.9
9 8	1 5.01	+ 5 56.6	1.496	2.412	12.7	19.7
9 18	0 57.09	+ 4 44.4	1.473	2.442	8.0	19.5
9 28	0 47.74	+ 3 23.8	1.476	2.473	3.0	19.3
10 8	0 38.11	+ 2 3.3	1.506	2.502	2.3	19.3
10 18	0 29.31	+ 0 51.0	1.564	2.531	6.9	19.7
10 28	0 22.32	− 0 6.1	1.648	2.559	11.1	20.0
11 7	0 17.72	− 0 44.4	1.756	2.586	14.6	20.3

310872 2003 HF_{14} 10 4.4 326.°57 2.°0/ 1.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.25	− 5 44.5	4.292	5.130	6.9	19.8
9 8	0 56.77	− 5 54.7	4.214	5.130	5.2	19.7
9 18	0 51.42	− 6 5.4	4.162	5.129	3.4	19.6
9 28	0 45.48	− 6 14.3	4.140	5.128	2.1	19.5
10 8	0 39.34	− 6 19.5	4.148	5.127	2.5	19.5
10 18	0 33.37	− 6 19.4	4.187	5.126	4.1	19.6
10 28	0 27.95	− 6 12.6	4.255	5.125	5.9	19.8
11 7	0 23.40	− 5 58.3	4.349	5.125	7.5	19.9

392095 2009 DK_{117} 10 4.4 73.°30 0.°8/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.20	+ 7 54.4	1.872	2.702	14.7	21.0
9 8	1 2.43	+ 7 49.7	1.799	2.708	11.3	20.8
9 18	0 55.55	+ 7 32.5	1.748	2.713	7.5	20.6
9 28	0 47.23	+ 7 5.4	1.723	2.718	3.2	20.4
10 8	0 38.35	+ 6 32.5	1.725	2.723	1.5	20.3
10 18	0 29.91	+ 5 59.0	1.756	2.728	5.7	20.6
10 28	0 22.85	+ 5 30.3	1.813	2.733	9.6	20.8
11 7	0 17.83	+ 5 10.8	1.894	2.739	13.1	21.0

15492 Nyberg 10 4.4 347.°84 1.°1/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.07	+ 7 53.9	1.156	2.025	19.4	17.5
9 8	1 0.53	+ 7 58.1	1.086	2.015	15.1	17.2
9 18	0 54.99	+ 7 44.1	1.035	2.007	10.1	16.9
9 28	0 47.17	+ 7 14.5	1.004	2.000	4.4	16.6
10 8	0 38.35	+ 6 35.2	0.997	1.995	2.1	16.4
10 18	0 30.03	+ 5 54.6	1.013	1.990	7.8	16.8
10 28	0 23.68	+ 5 21.6	1.052	1.987	13.3	17.1
11 7	0 20.25	+ 5 3.0	1.110	1.986	18.0	17.4

360041 2013 AO_{53} 10 4.4 221.°71 2.°4/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.18	− 7 23.2	4.599	5.448	6.3	21.1
9 8	0 52.98	− 8 3.6	4.525	5.445	4.7	21.0
9 18	0 49.02	− 8 44.4	4.477	5.442	3.3	20.9
9 28	0 44.55	− 9 23.1	4.458	5.439	2.4	20.8
10 8	0 39.89	− 9 57.2	4.469	5.436	2.9	20.8
10 18	0 35.36	−10 24.6	4.510	5.432	4.4	20.9
10 28	0 31.29	−10 43.6	4.578	5.429	5.9	21.0
11 7	0 27.97	−10 53.4	4.672	5.426	7.3	21.2

103645 2000 CP_{35} 10 4.4 266.°44 0.°9/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.78	+ 9 53.3	2.477	3.293	12.0	19.8
9 8	0 58.74	+ 9 30.9	2.378	3.278	9.3	19.6
9 18	0 53.09	+ 8 56.4	2.303	3.263	6.2	19.4
9 28	0 46.25	+ 8 11.6	2.255	3.248	2.8	19.1
10 8	0 38.89	+ 7 20.5	2.235	3.232	1.3	19.0
10 18	0 31.72	+ 6 27.5	2.244	3.217	4.7	19.2
10 28	0 25.48	+ 5 37.8	2.282	3.201	8.0	19.4
11 7	0 20.74	+ 4 56.0	2.346	3.185	11.1	19.6

18417 1993 QY_9 10 4.4 56.°45 3.°5/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.75	+ 1 11.1	1.178	2.055	18.5	18.9
9 8	1 2.83	+ 0 1.8	1.133	2.070	13.9	18.6
9 18	0 56.08	− 1 20.0	1.107	2.085	8.7	18.4
9 28	0 47.44	− 2 44.6	1.105	2.101	4.1	18.2
10 8	0 38.29	− 4 0.8	1.127	2.117	5.0	18.3
10 18	0 30.01	− 4 59.1	1.174	2.133	9.7	18.6
10 28	0 23.79	− 5 33.2	1.243	2.150	14.3	18.9
11 7	0 20.34	− 5 41.5	1.333	2.167	18.1	19.2

360445 2002 MR_6 10 4.4 85.°43 3.°7/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.03	− 6 8.0	2.549	3.399	10.6	21.3
9 8	1 0.01	− 7 6.2	2.507	3.429	8.0	21.1
9 18	0 53.60	− 8 5.1	2.491	3.458	5.4	21.0
9 28	0 46.35	− 8 59.7	2.504	3.487	3.7	21.0
10 8	0 38.90	− 9 45.3	2.545	3.516	4.5	21.1
10 18	0 31.92	−10 18.1	2.615	3.544	6.8	21.2
10 28	0 25.99	−10 36.1	2.712	3.572	9.2	21.4
11 7	0 21.54	−10 38.8	2.833	3.599	11.3	21.6

182267 2001 HK_{26} 10 4.4 314.°17 5.°6/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 57.04	+24 23.0	1.264	2.070	21.7	19.6
9 8	0 56.13	+23 35.0	1.158	2.038	18.4	19.3
9 18	0 52.35	+22 1.5	1.069	2.007	14.2	19.0
9 28	0 46.23	+19 38.3	1.000	1.975	9.5	18.6
10 8	0 38.85	+16 29.5	0.955	1.944	5.8	18.3
10 18	0 31.64	+12 49.0	0.935	1.914	7.8	18.3
10 28	0 26.16	+ 9 0.0	0.940	1.885	13.2	18.5
11 7	0 23.57	+ 5 26.9	0.969	1.857	18.8	18.7

435716 2008 UC_{33} 10 4.4 37.°25 3.°1/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.31	+ 0 20.6	1.208	2.085	18.1	20.6
9 8	1 2.34	− 0 22.7	1.168	2.105	13.6	20.4
9 18	0 55.67	− 1 15.6	1.148	2.125	8.5	20.2
9 28	0 47.26	− 2 10.2	1.150	2.147	3.9	20.0
10 8	0 38.42	− 2 57.4	1.178	2.169	4.5	20.1
10 18	0 30.49	− 3 30.1	1.230	2.192	9.0	20.5
10 28	0 24.56	− 3 43.4	1.305	2.216	13.4	20.8
11 7	0 21.30	− 3 36.1	1.400	2.240	17.1	21.1

161760 2006 TU_{25} 10 4.4 81.°01 1.°7/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.66	+12 47.9	1.454	2.282	18.3	20.7
9 8	1 3.83	+12 11.1	1.402	2.307	14.2	20.6
9 18	0 56.52	+11 12.8	1.370	2.330	9.5	20.3
9 28	0 47.59	+ 9 57.1	1.362	2.354	4.5	20.1
10 8	0 38.23	+ 8 32.0	1.381	2.378	2.1	20.0
10 18	0 29.66	+ 7 6.7	1.426	2.401	6.4	20.4
10 28	0 22.95	+ 5 50.8	1.498	2.423	10.8	20.7
11 7	0 18.72	+ 4 50.8	1.592	2.446	14.6	21.0

291129 2005 YY_{204} 10 4.4 300.°44 1.°4/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.11	+ 2 40.7	2.158	3.004	12.4	21.3
9 8	0 59.11	+ 2 4.7	2.079	2.999	9.4	21.1
9 18	0 53.35	+ 1 19.9	2.022	2.994	5.9	20.9
9 28	0 46.36	+ 0 30.4	1.992	2.989	2.4	20.6
10 8	0 38.87	− 0 18.5	1.991	2.985	2.5	20.6
10 18	0 31.70	− 1 1.7	2.018	2.980	6.0	20.9
10 28	0 25.61	− 1 34.3	2.071	2.975	9.5	21.1
11 7	0 21.22	− 1 53.4	2.149	2.971	12.6	21.3

303487 2005 EB_{77} 10 4.4 118.°82 0.°4/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.88	+ 6 46.5	2.027	2.861	13.6	21.2
9 8	1 0.45	+ 6 1.5	1.958	2.871	10.3	21.0
9 18	0 54.18	+ 5 4.1	1.913	2.881	6.6	20.8
9 28	0 46.67	+ 3 58.5	1.894	2.890	2.5	20.6
10 8	0 38.74	+ 2 50.6	1.903	2.900	1.7	20.5
10 18	0 31.24	+ 1 46.8	1.941	2.909	5.7	20.8
10 28	0 24.99	+ 0 53.0	2.007	2.918	9.4	21.1
11 7	0 20.55	+ 0 13.2	2.097	2.926	12.6	21.3

308933 2006 SQ_{372} 10 4.4 0.°15 0.°1/ 5.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 44.77	+ 6 59.0	28.937	29.748	1.2	22.6
9 8	0 44.00	+ 6 52.9	28.868	29.767	0.9	22.6
9 18	0 43.14	+ 6 46.0	28.826	29.786	0.6	22.6
9 28	0 42.22	+ 6 38.6	28.811	29.805	0.3	22.5
10 8	0 41.27	+ 6 30.9	28.827	29.824	0.1	22.5
10 18	0 40.34	+ 6 23.1	28.872	29.843	0.4	22.6
10 28	0 39.47	+ 6 15.6	28.947	29.863	0.8	22.6
11 7	0 38.69	+ 6 8.6	29.050	29.882	1.0	22.7

415608 2014 QB_{353} 10 4.4 331.°30 2.°0/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.77	+10 47.2	2.201	3.014	13.3	20.6
9 8	1 1.19	+11 1.1	2.114	3.009	10.5	20.4
9 18	0 54.73	+11 3.2	2.049	3.004	7.2	20.2
9 28	0 46.94	+10 54.4	2.011	3.000	3.8	20.0
10 8	0 38.57	+10 37.1	2.000	2.995	2.1	19.8
10 18	0 30.46	+10 15.1	2.018	2.991	5.0	20.0
10 28	0 23.48	+ 9 52.9	2.064	2.987	8.5	20.2
11 7	0 18.26	+ 9 35.0	2.134	2.984	11.6	20.4

296063 2009 AL_{42} 10 4.4 10.°06 1.°7/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.19	+ 2 32.1	1.578	2.437	15.6	20.6
9 8	1 1.24	+ 2 1.8	1.510	2.438	11.8	20.3
9 18	0 54.96	+ 1 20.7	1.465	2.439	7.5	20.1
9 28	0 47.05	+ 0 34.1	1.443	2.441	3.0	19.8
10 8	0 38.53	− 0 11.4	1.448	2.443	3.0	19.8
10 18	0 30.51	− 0 49.0	1.480	2.445	7.4	20.1
10 28	0 24.04	− 1 13.3	1.537	2.448	11.7	20.4
11 7	0 19.82	− 1 20.8	1.615	2.452	15.3	20.6

91176 1998 RE_{19} 10 4.4 1.°06 3.°5/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.05	+13 1.6	1.927	2.733	15.2	18.4
9 8	1 3.97	+13 43.9	1.845	2.733	12.2	18.2
9 18	0 56.67	+14 12.7	1.785	2.732	8.7	18.0
9 28	0 47.75	+14 27.6	1.750	2.732	5.2	17.8
10 8	0 38.12	+14 29.8	1.742	2.733	3.5	17.7
10 18	0 28.83	+14 22.3	1.762	2.734	5.8	17.9
10 28	0 20.90	+14 9.9	1.810	2.735	9.3	18.1
11 7	0 15.07	+13 58.1	1.881	2.737	12.6	18.3

489064 2005 YB_{217} 10 4.4 327.°82 4.°4/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.45	+15 44.3	1.746	2.557	16.4	21.2
9 8	1 0.87	+16 16.2	1.652	2.538	13.4	21.0
9 18	0 54.92	+16 30.8	1.577	2.521	9.9	20.7
9 28	0 47.13	+16 27.1	1.526	2.504	6.4	20.5
10 8	0 38.43	+16 6.5	1.500	2.488	4.4	20.3
10 18	0 29.92	+15 32.9	1.500	2.472	6.5	20.4
10 28	0 22.75	+14 53.0	1.526	2.458	10.2	20.6
11 7	0 17.80	+14 14.2	1.575	2.444	14.0	20.8

479908 2014 HC_{45} 10 4.4 8.°09 3.°8/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.87	− 5 2.9	1.595	2.456	15.3	20.7
9 8	1 5.50	− 5 11.4	1.529	2.456	11.7	20.5
9 18	0 57.66	− 5 21.6	1.486	2.458	7.7	20.3
9 28	0 48.11	− 5 28.2	1.467	2.459	4.3	20.1
10 8	0 37.95	− 5 26.0	1.475	2.461	4.9	20.1
10 18	0 28.38	− 5 11.0	1.510	2.464	8.6	20.3
10 28	0 20.50	− 4 41.1	1.570	2.467	12.5	20.6
11 7	0 15.06	− 3 56.3	1.652	2.470	15.9	20.8

295436 2008 LS_4 10 4.4 273.°40 4.°6/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.95	+20 53.0	2.349	3.114	14.0	20.5
9 8	0 59.82	+21 4.5	2.255	3.107	11.7	20.3
9 18	0 53.87	+20 58.3	2.182	3.101	9.0	20.2
9 28	0 46.62	+20 33.8	2.133	3.094	6.3	20.0
10 8	0 38.77	+19 52.7	2.111	3.088	4.7	19.9
10 18	0 31.17	+18 58.8	2.116	3.082	5.6	19.9
10 28	0 24.62	+17 57.9	2.150	3.075	8.1	20.1
11 7	0 19.78	+16 56.6	2.209	3.069	10.9	20.2

407001 2009 RF_{58} 10 4.4 54.°74 2.°1/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.59	+13 54.8	2.099	2.909	14.0	21.2
9 8	0 58.73	+13 33.0	2.027	2.918	11.1	21.0
9 18	0 53.10	+12 54.8	1.977	2.928	7.7	20.9
9 28	0 46.27	+12 2.5	1.951	2.939	4.1	20.7
10 8	0 39.00	+11 0.4	1.954	2.949	2.2	20.6
10 18	0 32.13	+ 9 54.2	1.985	2.959	4.9	20.8
10 28	0 26.44	+ 8 50.6	2.044	2.970	8.3	21.0
11 7	0 22.49	+ 7 55.2	2.127	2.981	11.5	21.2

434213 2003 SR_{50} 10 4.4 44.°13 3.°4/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.85	+14 37.9	1.299	2.130	19.9	20.5
9 8	1 3.43	+14 38.5	1.256	2.158	15.7	20.3
9 18	0 56.35	+14 15.5	1.232	2.187	10.9	20.1
9 28	0 47.55	+13 31.4	1.230	2.217	6.1	20.0
10 8	0 38.34	+12 32.5	1.253	2.247	3.5	19.9
10 18	0 30.03	+11 27.4	1.301	2.277	6.6	20.2
10 28	0 23.74	+10 25.7	1.374	2.308	10.9	20.5
11 7	0 20.10	+ 9 35.1	1.469	2.339	14.7	20.8

42146 2001 BN_{42} 10 4.4 292.°96 2.°3/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.85	+18 41.2	4.345	5.101	8.1	19.2
9 8	0 53.60	+18 31.7	4.248	5.099	6.6	19.1
9 18	0 49.49	+18 12.5	4.174	5.097	5.0	19.0
9 28	0 44.78	+17 44.4	4.128	5.095	3.3	18.8
10 8	0 39.85	+17 8.9	4.110	5.092	2.3	18.8
10 18	0 35.04	+16 28.0	4.123	5.090	3.0	18.8
10 28	0 30.74	+15 44.7	4.165	5.088	4.6	18.9
11 7	0 27.27	+15 1.7	4.235	5.085	6.3	19.1

381084 2007 BD_{43} 10 4.4 202.°66 0.°3/ 4.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.83	+ 8 5.4	1.879	2.708	14.7	22.5
9 8	1 3.01	+ 7 39.1	1.797	2.705	11.4	22.2
9 18	0 56.02	+ 6 58.7	1.736	2.701	7.4	22.0
9 28	0 47.49	+ 6 7.2	1.701	2.697	3.1	21.7
10 8	0 38.30	+ 5 9.9	1.695	2.692	1.5	21.6
10 18	0 29.48	+ 4 13.3	1.716	2.687	6.0	21.9
10 28	0 22.02	+ 3 23.9	1.765	2.681	10.1	22.1
11 7	0 16.63	+ 2 47.0	1.838	2.675	13.7	22.3

8256 Shenzhou 10 4.4 324.°42 4.°7/ 1.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.16	− 3 21.8	1.002	1.896	19.6	16.0
9 8	1 3.63	− 3 37.2	0.923	1.868	15.3	15.6
9 18	0 57.50	− 3 59.5	0.862	1.842	10.1	15.3
9 28	0 48.39	− 4 20.9	0.821	1.816	5.4	14.9
10 8	0 37.69	− 4 31.8	0.801	1.792	6.2	14.9
10 18	0 27.25	− 4 23.7	0.803	1.769	11.8	15.1
10 28	0 19.01	− 3 50.9	0.825	1.747	17.7	15.3
11 7	0 14.29	− 2 52.7	0.864	1.728	22.9	15.6

375198 2008 EZ_{38} 10 4.4 283.°56 3.°7/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.50	− 0 8.0	1.430	2.300	16.3	21.3
9 8	1 1.88	− 1 13.6	1.354	2.287	12.4	21.0
9 18	0 55.63	− 2 31.5	1.298	2.274	8.0	20.7
9 28	0 47.42	− 3 54.0	1.267	2.261	4.1	20.5
10 8	0 38.33	− 5 11.0	1.261	2.248	5.2	20.5
10 18	0 29.64	− 6 13.0	1.280	2.235	9.7	20.7
10 28	0 22.61	− 6 52.6	1.324	2.222	14.2	20.9
11 7	0 18.09	− 7 6.7	1.387	2.209	18.2	21.2

113586 2002 TT_{46} 10 4.4 70.°44 2.°2/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.55	+ 0 33.0	1.812	2.665	14.1	19.4
9 8	1 1.90	− 0 0.9	1.750	2.674	10.6	19.2
9 18	0 55.19	− 0 42.4	1.710	2.683	6.7	19.0
9 28	0 47.11	− 1 26.4	1.696	2.692	2.9	18.8
10 8	0 38.56	− 2 6.9	1.710	2.701	3.3	18.8
10 18	0 30.52	− 2 38.3	1.751	2.711	7.1	19.1
10 28	0 23.90	− 2 56.4	1.819	2.720	10.8	19.3
11 7	0 19.31	− 2 59.0	1.909	2.729	14.0	19.6

160916 2001 XB_{44} 10 4.4 86.°35 3.°8/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.32	+16 38.8	2.118	2.905	14.7	19.9
9 8	1 2.42	+16 59.6	2.039	2.911	11.9	19.7
9 18	0 55.54	+17 4.2	1.982	2.918	8.7	19.5
9 28	0 47.27	+16 52.6	1.949	2.924	5.6	19.3
10 8	0 38.44	+16 26.8	1.944	2.930	3.8	19.2
10 18	0 29.98	+15 50.8	1.967	2.937	5.5	19.4
10 28	0 22.76	+15 10.3	2.018	2.943	8.5	19.6
11 7	0 17.46	+14 31.2	2.093	2.949	11.5	19.8

441220 2007 VL_{63} 10 4.4 300.°06 14.°6/18.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.29	+38 35.0	1.125	1.857	27.9	21.0
9 8	0 59.45	+39 12.7	1.039	1.840	25.5	20.8
9 18	0 54.94	+39 1.7	0.962	1.823	22.6	20.5
9 28	0 47.39	+37 49.5	0.899	1.806	19.2	20.2
10 8	0 38.28	+35 28.9	0.853	1.790	16.1	20.0
10 18	0 29.59	+32 3.1	0.827	1.774	14.6	19.9
10 28	0 23.35	+27 50.6	0.822	1.759	15.8	19.9
11 7	0 20.86	+23 21.0	0.840	1.744	19.3	20.0

517179 2013 RY_3 10 4.4 271.°27 2.°4/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.49	+ 6 20.2	1.704	2.550	15.2	21.2
9 8	1 0.91	+ 4 22.9	1.601	2.523	11.6	20.9
9 18	0 54.96	+ 2 1.2	1.522	2.495	7.3	20.6
9 28	0 47.17	− 0 37.5	1.470	2.467	3.1	20.3
10 8	0 38.45	− 3 21.2	1.447	2.437	4.1	20.3
10 18	0 29.88	− 5 56.1	1.454	2.408	8.9	20.5
10 28	0 22.61	− 8 9.4	1.488	2.377	13.5	20.7
11 7	0 17.55	− 9 53.1	1.544	2.346	17.6	20.9

355775 2008 RK_{123} 10 4.4 2.°30 0.°6/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.06	+ 8 55.9	4.170	4.976	7.7	21.2
9 8	0 54.50	+ 8 46.8	4.082	4.976	5.9	21.1
9 18	0 50.05	+ 8 31.5	4.019	4.977	3.9	21.0
9 28	0 45.01	+ 8 11.3	3.985	4.977	1.8	20.8
10 8	0 39.74	+ 7 47.9	3.980	4.977	0.8	20.7
10 18	0 34.62	+ 7 23.5	4.005	4.977	2.8	20.9
10 28	0 30.02	+ 7 0.5	4.061	4.977	4.9	21.0
11 7	0 26.25	+ 6 41.1	4.143	4.977	6.8	21.2

230678 2003 SK_{309} 10 4.4 93.°51 1.°7/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.71	+11 40.2	2.432	3.236	12.5	20.2
9 8	1 0.81	+11 36.6	2.362	3.252	9.8	20.1
9 18	0 54.30	+11 20.8	2.315	3.268	6.7	19.9
9 28	0 46.72	+10 54.6	2.295	3.284	3.4	19.7
10 8	0 38.79	+10 21.1	2.304	3.299	1.8	19.6
10 18	0 31.24	+ 9 44.2	2.342	3.314	4.4	19.8
10 28	0 24.76	+ 9 8.6	2.408	3.329	7.5	20.1
11 7	0 19.88	+ 8 38.3	2.501	3.344	10.3	20.3

516201 2016 SX_{36} 10 4.4 332.°21 1.°1/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.79	+ 9 36.3	1.398	2.251	17.5	20.4
9 8	0 59.18	+ 9 20.2	1.316	2.236	13.7	20.1
9 18	0 53.97	+ 8 44.5	1.254	2.223	9.2	19.8
9 28	0 46.79	+ 7 52.2	1.214	2.209	4.1	19.5
10 8	0 38.70	+ 6 49.3	1.199	2.197	1.9	19.3
10 18	0 30.96	+ 5 44.3	1.210	2.186	7.0	19.6
10 28	0 24.82	+ 4 46.6	1.244	2.175	12.1	19.9
11 7	0 21.19	+ 4 3.8	1.299	2.166	16.5	20.1

223154 2002 XS_{33} 10 4.4 340.°28 1.°5/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.59	+ 7 38.6	1.288	2.141	18.7	19.6
9 8	1 4.56	+ 8 0.0	1.214	2.134	14.7	19.3
9 18	0 57.52	+ 8 6.4	1.160	2.128	9.8	19.0
9 28	0 48.22	+ 7 59.4	1.128	2.122	4.5	18.7
10 8	0 37.91	+ 7 43.1	1.120	2.117	2.2	18.5
10 18	0 28.08	+ 7 23.4	1.137	2.113	7.4	18.8
10 28	0 20.18	+ 7 7.4	1.178	2.109	12.6	19.1
11 7	0 15.18	+ 7 1.2	1.240	2.107	17.1	19.4

401509 2013 EP_{34} 10 4.4 88.°28 2.°2/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.76	+ 0 33.0	2.140	2.990	12.4	21.4
9 8	0 59.48	− 0 19.8	2.079	3.002	9.3	21.2
9 18	0 53.51	− 1 19.7	2.042	3.014	5.8	21.0
9 28	0 46.43	− 2 21.4	2.031	3.027	2.7	20.8
10 8	0 38.98	− 3 19.0	2.050	3.039	3.3	20.9
10 18	0 31.96	− 4 7.3	2.096	3.051	6.5	21.1
10 28	0 26.10	− 4 42.0	2.170	3.063	9.7	21.3
11 7	0 21.93	− 5 1.0	2.267	3.074	12.5	21.6

507953 2015 BT_{17} 10 4.4 248.°86 1.°6/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.85	+10 12.4	1.553	2.385	17.1	21.9
9 8	1 4.36	+10 4.8	1.468	2.376	13.5	21.7
9 18	0 57.22	+ 9 39.4	1.404	2.366	9.1	21.4
9 28	0 48.07	+ 8 58.3	1.363	2.356	4.3	21.1
10 8	0 38.00	+ 8 6.3	1.348	2.345	2.0	20.9
10 18	0 28.28	+ 7 10.6	1.360	2.335	6.7	21.2
10 28	0 20.18	+ 6 19.4	1.398	2.324	11.5	21.5
11 7	0 14.60	+ 5 39.9	1.459	2.312	15.8	21.7

377311 2004 GF_{46} 10 4.4 178.°79 1.°0/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.28	+ 3 54.6	1.956	2.792	13.9	22.3
9 8	1 3.95	+ 3 22.1	1.880	2.794	10.6	22.1
9 18	0 56.54	+ 2 39.3	1.826	2.795	6.7	21.8
9 28	0 47.68	+ 1 50.2	1.799	2.796	2.6	21.6
10 8	0 38.26	+ 1 0.5	1.801	2.796	2.3	21.6
10 18	0 29.26	+ 0 16.0	1.831	2.795	6.4	21.8
10 28	0 21.60	− 0 18.1	1.889	2.794	10.2	22.1
11 7	0 15.96	− 0 38.1	1.970	2.792	13.6	22.3

278118 2007 CX_{8} 10 4.4 129.°23 0.°0/ 4.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.26	+ 7 31.6	1.832	2.663	14.9	22.1
9 8	1 3.21	+ 6 58.4	1.765	2.675	11.4	21.9
9 18	0 56.05	+ 6 11.5	1.720	2.686	7.4	21.7
9 28	0 47.47	+ 5 14.8	1.701	2.697	2.9	21.4
10 8	0 38.41	+ 4 14.2	1.710	2.708	1.6	21.3
10 18	0 29.86	+ 3 16.4	1.748	2.718	6.0	21.7
10 28	0 22.75	+ 2 27.7	1.813	2.727	10.0	21.9
11 7	0 17.74	+ 1 52.6	1.901	2.736	13.4	22.2

228434 2001 QQ_{45} 10 4.4 27.°07 2.°8/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.11	+ 1 46.6	1.069	1.955	19.3	20.2
9 8	1 1.09	+ 1 2.0	1.026	1.967	14.5	19.9
9 18	0 55.11	+ 0 4.3	1.002	1.981	9.1	19.7
9 28	0 47.15	− 0 58.0	0.999	1.996	3.9	19.5
10 8	0 38.62	− 1 54.5	1.019	2.012	4.3	19.5
10 18	0 30.98	− 2 36.3	1.063	2.030	9.4	19.9
10 28	0 25.46	− 2 57.1	1.129	2.048	14.2	20.2
11 7	0 22.78	− 2 54.8	1.214	2.067	18.3	20.5

516019 2015 SH_{1} 10 4.4 43.°73 5.°0/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.00	+19 44.4	1.782	2.571	16.9	20.7
9 8	1 0.96	+19 57.9	1.715	2.584	13.9	20.5
9 18	0 54.72	+19 49.5	1.668	2.598	10.5	20.3
9 28	0 46.97	+19 19.4	1.644	2.613	7.1	20.2
10 8	0 38.69	+18 30.5	1.645	2.627	5.0	20.1
10 18	0 30.91	+17 28.6	1.673	2.643	6.2	20.2
10 28	0 24.61	+16 21.6	1.727	2.658	9.3	20.4
11 7	0 20.44	+15 17.7	1.806	2.674	12.5	20.7

150646 2001 DX_{36} 10 4.4 150.°14 1.°4/ 3.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.32	+ 4 20.2	1.801	2.642	14.7	21.0
9 8	1 3.30	+ 3 26.3	1.733	2.651	11.1	20.8
9 18	0 56.14	+ 2 20.2	1.688	2.659	7.0	20.6
9 28	0 47.52	+ 1 7.4	1.669	2.666	2.7	20.3
10 8	0 38.39	− 0 5.0	1.679	2.673	2.7	20.3
10 18	0 29.77	− 1 9.7	1.717	2.679	6.9	20.6
10 28	0 22.61	− 2 0.4	1.781	2.685	10.9	20.9
11 7	0 17.56	− 2 33.4	1.869	2.689	14.2	21.1

362971 2013 CM_{8} 10 4.4 278.°64 0.°3/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.25	+ 6 21.0	1.904	2.744	14.1	21.0
9 8	1 0.27	+ 5 47.4	1.823	2.739	10.8	20.8
9 18	0 54.26	+ 5 0.8	1.765	2.734	6.9	20.5
9 28	0 46.82	+ 4 5.2	1.732	2.729	2.7	20.3
10 8	0 38.78	+ 3 6.0	1.727	2.724	1.8	20.2
10 18	0 31.09	+ 2 9.9	1.750	2.719	6.1	20.5
10 28	0 24.65	+ 1 23.0	1.799	2.713	10.1	20.7
11 7	0 20.14	+ 0 49.9	1.872	2.708	13.5	20.9

189547 2000 RN_{44} 10 4.4 318.°20 7.°1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.75	+18 49.6	1.453	2.258	19.4	18.9
9 8	1 4.10	+19 55.9	1.360	2.237	16.3	18.6
9 18	0 57.44	+20 43.0	1.284	2.216	12.7	18.3
9 28	0 48.33	+21 6.3	1.229	2.196	9.2	18.1
10 8	0 37.84	+21 4.6	1.198	2.176	7.2	17.9
10 18	0 27.43	+20 40.1	1.191	2.157	8.7	17.9
10 28	0 18.68	+20 0.2	1.208	2.139	12.4	18.1
11 7	0 12.78	+19 15.0	1.246	2.122	16.4	18.3

397644 2007 XW_{36} 10 4.4 274.°80 3.°4/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.51	− 3 24.1	1.917	2.772	13.4	21.1
9 8	1 2.73	− 3 56.5	1.837	2.762	10.2	20.9
9 18	0 55.85	− 4 33.3	1.780	2.752	6.6	20.7
9 28	0 47.45	− 5 9.4	1.749	2.741	3.7	20.5
10 8	0 38.43	− 5 38.8	1.746	2.731	4.4	20.5
10 18	0 29.75	− 5 56.6	1.771	2.721	7.9	20.7
10 28	0 22.38	− 5 59.0	1.821	2.710	11.5	20.9
11 7	0 17.01	− 5 44.7	1.894	2.700	14.7	21.1

13647 Rey 10 4.4 43.°41 2.°4/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.94	− 0 19.7	1.943	2.800	13.2	18.3
9 8	0 59.76	− 0 58.9	1.887	2.813	9.9	18.2
9 18	0 53.76	− 1 44.4	1.854	2.827	6.2	18.0
9 28	0 46.55	− 2 31.0	1.846	2.842	2.9	17.8
10 8	0 38.98	− 3 13.0	1.867	2.856	3.4	17.9
10 18	0 31.89	− 3 45.4	1.915	2.871	6.8	18.1
10 28	0 26.08	− 4 4.3	1.989	2.887	10.2	18.4
11 7	0 22.09	− 4 7.9	2.086	2.902	13.1	18.6

512138 2015 PS_{62} 10 4.4 358.°33 2.°5/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.62	+ 1 28.2	1.725	2.584	14.4	21.0
9 8	0 59.90	+ 0 30.3	1.655	2.583	10.9	20.7
9 18	0 54.05	− 0 38.1	1.608	2.583	6.9	20.5
9 28	0 46.74	− 1 50.7	1.587	2.583	3.1	20.3
10 8	0 38.86	− 2 59.9	1.592	2.583	3.7	20.3
10 18	0 31.41	− 3 58.3	1.625	2.583	7.7	20.6
10 28	0 25.34	− 4 39.9	1.683	2.583	11.6	20.8
11 7	0 21.32	− 5 1.9	1.763	2.584	15.0	21.0

407501 2010 VF_{89} 10 4.4 217.°64 3.°7/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.35	+19 25.0	2.523	3.291	13.1	21.3
9 8	0 59.21	+19 18.4	2.429	3.287	10.7	21.1
9 18	0 53.41	+18 55.0	2.356	3.283	8.0	20.9
9 28	0 46.45	+18 15.1	2.309	3.278	5.3	20.7
10 8	0 39.00	+17 21.2	2.290	3.273	3.7	20.6
10 18	0 31.79	+16 17.4	2.299	3.268	4.8	20.7
10 28	0 25.56	+15 9.7	2.337	3.263	7.5	20.9
11 7	0 20.89	+14 4.0	2.402	3.257	10.2	21.0

307190 2002 EK_{130} 10 4.4 64.°87 6.°2/10.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 14.51	+24 9.9	1.748	2.498	18.6	20.1
9 8	1 7.84	+24 24.5	1.707	2.546	15.4	19.9
9 18	0 58.88	+24 13.3	1.685	2.592	11.9	19.8
9 28	0 48.52	+23 36.2	1.686	2.638	8.5	19.7
10 8	0 37.94	+22 36.8	1.713	2.684	6.3	19.7
10 18	0 28.29	+21 22.1	1.768	2.728	6.9	19.8
10 28	0 20.53	+20 1.4	1.850	2.772	9.4	20.1
11 7	0 15.21	+18 43.4	1.957	2.814	12.2	20.3

363481 2003 SE_{330} 10 4.4 36.°92 1.°5/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.68	+ 8 38.7	1.804	2.634	15.2	20.4
9 8	1 2.78	+ 8 54.0	1.744	2.650	11.8	20.2
9 18	0 55.79	+ 8 56.9	1.705	2.667	7.8	20.0
9 28	0 47.38	+ 8 49.2	1.692	2.685	3.7	19.8
10 8	0 38.53	+ 8 34.1	1.706	2.703	1.8	19.7
10 18	0 30.22	+ 8 16.3	1.748	2.722	5.5	20.0
10 28	0 23.37	+ 8 0.5	1.816	2.741	9.4	20.3
11 7	0 18.62	+ 7 51.1	1.908	2.760	12.7	20.6

341163 2007 PM_{49} 10 4.4 162.°02 4.°4/29.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.56	− 3 43.2	1.952	2.813	13.0	21.2
9 8	1 0.33	− 5 12.4	1.888	2.816	9.8	21.0
9 18	0 54.20	− 6 47.5	1.848	2.819	6.5	20.8
9 28	0 46.77	− 8 20.8	1.835	2.822	4.4	20.7
10 8	0 38.87	− 9 44.0	1.851	2.824	5.6	20.7
10 18	0 31.39	−10 50.4	1.894	2.827	8.7	20.9
10 28	0 25.17	−11 35.2	1.962	2.828	11.9	21.1
11 7	0 20.81	−11 57.2	2.053	2.830	14.7	21.3

511980 2015 KE_{75} 10 4.4 12.°73 1.°3/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.24	+14 0.1	1.161	2.020	20.0	19.7
9 8	0 55.11	+12 50.0	1.102	2.025	15.6	19.5
9 18	0 51.35	+11 9.0	1.062	2.031	10.4	19.2
9 28	0 45.73	+ 9 3.7	1.044	2.039	4.8	19.0
10 8	0 39.47	+ 6 46.4	1.050	2.048	1.9	18.8
10 18	0 33.82	+ 4 32.1	1.081	2.059	7.3	19.2
10 28	0 29.96	+ 2 35.0	1.136	2.071	12.5	19.5
11 7	0 28.60	+ 1 4.7	1.211	2.085	16.9	19.8

395172 2010 EC_{11} 10 4.4 94.°57 1.°0/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.43	+11 48.3	1.991	2.809	14.4	21.3
9 8	1 0.15	+10 59.4	1.926	2.826	11.1	21.1
9 18	0 54.02	+ 9 53.8	1.883	2.843	7.4	20.9
9 28	0 46.67	+ 8 35.5	1.867	2.859	3.4	20.7
10 8	0 38.95	+ 7 10.7	1.878	2.876	1.4	20.6
10 18	0 31.71	+ 5 46.6	1.919	2.892	5.2	20.9
10 28	0 25.75	+ 4 30.3	1.988	2.908	9.0	21.1
11 7	0 21.63	+ 3 27.3	2.081	2.923	12.2	21.4

90175 2003 AY_{21} 10 4.4 147.°01 3.°6/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.84	+17 13.0	2.259	3.040	14.0	20.1
9 8	1 1.97	+17 23.4	2.176	3.044	11.4	19.9
9 18	0 55.24	+17 17.7	2.115	3.049	8.4	19.7
9 28	0 47.20	+16 55.9	2.079	3.053	5.4	19.6
10 8	0 38.63	+16 20.5	2.071	3.057	3.6	19.5
10 18	0 30.38	+15 35.5	2.091	3.061	5.2	19.6
10 28	0 23.30	+14 46.6	2.139	3.064	8.1	19.8
11 7	0 18.01	+13 59.7	2.213	3.067	11.1	19.9

322401 2011 QC_{97} 10 4.4 311.°29 5.°6/30.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 12.21	− 9 9.4	1.608	2.469	15.2	19.9
9 8	1 6.94	− 9 25.7	1.519	2.444	11.9	19.7
9 18	0 58.93	− 9 40.5	1.452	2.419	8.4	19.4
9 28	0 48.81	− 9 47.2	1.409	2.394	5.8	19.2
10 8	0 37.68	− 9 39.1	1.393	2.369	6.7	19.2
10 18	0 26.84	− 9 12.0	1.403	2.345	10.3	19.3
10 28	0 17.61	− 8 23.8	1.437	2.321	14.3	19.5
11 7	0 10.94	− 7 15.8	1.493	2.298	18.0	19.7

18201 2733 *P–L* 10 4.4 320.°36 2.°2/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.40	+ 2 10.4	1.466	2.332	16.2	18.6
9 8	1 0.98	+ 1 30.2	1.390	2.321	12.3	18.4
9 18	0 55.04	+ 0 37.5	1.334	2.310	7.8	18.1
9 28	0 47.23	− 0 21.9	1.302	2.299	3.3	17.8
10 8	0 38.60	− 1 19.9	1.296	2.289	3.6	17.8
10 18	0 30.38	− 2 8.5	1.316	2.280	8.3	18.1
10 28	0 23.75	− 2 40.7	1.359	2.271	12.9	18.3
11 7	0 19.54	− 2 52.6	1.424	2.263	16.9	18.5

75466 1999 XU_{159} 10 4.4 303.°73 3.°1/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.05	+14 57.6	1.678	2.497	16.6	19.6
9 8	0 59.90	+14 47.1	1.580	2.475	13.4	19.3
9 18	0 54.36	+14 15.1	1.502	2.454	9.6	19.1
9 28	0 46.99	+13 22.2	1.447	2.433	5.5	18.8
10 8	0 38.70	+12 12.5	1.418	2.413	3.1	18.6
10 18	0 30.61	+10 52.9	1.416	2.392	6.2	18.7
10 28	0 23.88	+ 9 32.8	1.440	2.372	10.7	18.9
11 7	0 19.40	+ 8 21.2	1.486	2.352	14.8	19.1

363058 1999 VH_{152} 10 4.4 337.°81 5.°1/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.01	− 9 52.0	2.189	3.046	11.9	20.4
9 8	1 1.24	−10 37.4	2.123	3.045	9.2	20.3
9 18	0 54.70	−11 21.8	2.082	3.045	6.6	20.1
9 28	0 46.96	−11 59.5	2.068	3.045	5.1	20.0
10 8	0 38.80	−12 25.0	2.081	3.044	6.0	20.1
10 18	0 31.03	−12 34.7	2.121	3.044	8.5	20.2
10 28	0 24.45	−12 26.4	2.187	3.043	11.2	20.4
11 7	0 19.61	−12 0.4	2.275	3.043	13.7	20.6

25570 Kesun 10 4.4 74.°92 3.°3/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.37	− 1 47.1	1.423	2.285	16.7	18.5
9 8	1 6.03	− 2 15.6	1.368	2.297	12.7	18.2
9 18	0 58.07	− 2 50.4	1.335	2.308	8.1	18.0
9 28	0 48.33	− 3 25.1	1.325	2.320	4.0	17.8
10 8	0 38.06	− 3 52.6	1.342	2.332	4.5	17.9
10 18	0 28.53	− 4 7.2	1.386	2.343	8.7	18.2
10 28	0 20.91	− 4 5.1	1.453	2.355	12.9	18.4
11 7	0 15.91	− 3 45.2	1.542	2.367	16.5	18.7

407825 2012 BZ_{12} 10 4.4 198.°63 5.°8/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.75	−12 33.5	2.512	3.370	10.5	21.4
9 8	0 58.62	−14 1.6	2.450	3.368	8.3	21.3
9 18	0 52.97	−15 28.3	2.413	3.366	6.4	21.1
9 28	0 46.27	−16 46.9	2.404	3.363	5.8	21.1
10 8	0 39.18	−17 51.4	2.422	3.360	7.0	21.2
10 18	0 32.38	−18 37.1	2.468	3.356	9.0	21.3
10 28	0 26.56	−19 1.9	2.539	3.353	11.2	21.4
11 7	0 22.22	−19 5.5	2.631	3.349	13.2	21.6

265431 2004 VW_{57} 10 4.4 357.°42 14.°7/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.45	−28 22.7	1.417	2.287	16.3	18.9
9 8	0 56.62	−30 50.4	1.388	2.281	15.0	18.8
9 18	0 52.22	−32 57.4	1.380	2.277	14.7	18.8
9 28	0 46.06	−34 30.6	1.393	2.274	15.4	18.9
10 8	0 39.31	−35 21.3	1.425	2.273	16.9	18.9
10 18	0 33.18	−35 26.6	1.474	2.273	18.7	19.1
10 28	0 28.79	−34 48.6	1.539	2.274	20.6	19.2
11 7	0 26.82	−33 33.6	1.617	2.278	22.2	19.4

268162 2004 UF_8 10 4.4 331.°82 0.°2/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.12	+ 4 35.0	1.549	2.408	15.8	20.5
9 8	1 0.10	+ 4 35.6	1.454	2.380	12.3	20.2
9 18	0 54.59	+ 4 24.7	1.380	2.353	8.0	19.9
9 28	0 47.11	+ 4 5.2	1.329	2.326	3.2	19.6
10 8	0 38.63	+ 3 41.8	1.304	2.301	2.0	19.4
10 18	0 30.32	+ 3 20.2	1.304	2.277	7.1	19.7
10 28	0 23.40	+ 3 6.8	1.328	2.254	12.0	19.9
11 7	0 18.84	+ 3 6.2	1.375	2.232	16.3	20.1

163208 2002 EN_{48} 10 4.4 193.°49 0.°1/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.38	+ 6 55.1	4.624	5.438	6.8	20.7
9 8	0 53.18	+ 6 33.8	4.536	5.437	5.2	20.6
9 18	0 49.21	+ 6 7.3	4.474	5.437	3.4	20.5
9 28	0 44.73	+ 5 37.1	4.441	5.436	1.4	20.3
10 8	0 40.05	+ 5 5.1	4.438	5.436	0.7	20.2
10 18	0 35.50	+ 4 33.4	4.466	5.435	2.7	20.4
10 28	0 31.41	+ 4 4.3	4.524	5.434	4.6	20.6
11 7	0 28.05	+ 3 39.6	4.608	5.434	6.3	20.7

437488 2013 YF_{58} 10 4.4 337.°92 2.°6/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.81	+ 0 7.3	1.274	2.148	17.6	20.9
9 8	1 3.15	− 0 11.6	1.204	2.139	13.4	20.6
9 18	0 56.59	− 0 40.0	1.154	2.131	8.6	20.3
9 28	0 47.89	− 1 12.0	1.126	2.123	3.8	20.0
10 8	0 38.27	− 1 40.2	1.123	2.116	4.0	20.0
10 18	0 29.16	− 1 57.5	1.144	2.110	9.0	20.3
10 28	0 21.93	− 1 58.3	1.189	2.105	14.0	20.6
11 7	0 17.50	− 1 40.2	1.253	2.100	18.2	20.8

412695 2014 OQ_{259} 10 4.4 3.°83 5.°0/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.03	− 8 22.7	2.078	2.941	12.2	20.5
9 8	0 59.84	− 9 20.5	2.015	2.941	9.3	20.3
9 18	0 53.86	−10 19.1	1.975	2.941	6.6	20.1
9 28	0 46.64	−11 11.8	1.962	2.941	5.0	20.0
10 8	0 39.00	−11 52.7	1.976	2.942	6.1	20.1
10 18	0 31.75	−12 17.0	2.017	2.942	8.7	20.3
10 28	0 25.69	−12 22.3	2.083	2.943	11.5	20.4
11 7	0 21.39	−12 8.1	2.170	2.944	14.1	20.6

184194 2004 PS_{32} 10 4.4 9.°25 2.°3/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.68	− 0 3.7	1.948	2.802	13.2	20.0
9 8	1 0.46	− 0 36.7	1.878	2.803	10.0	19.8
9 18	0 54.32	− 1 16.5	1.830	2.803	6.3	19.5
9 28	0 46.85	− 1 58.4	1.809	2.805	2.9	19.3
10 8	0 38.89	− 2 36.8	1.815	2.806	3.3	19.4
10 18	0 31.32	− 3 6.5	1.849	2.807	6.9	19.6
10 28	0 25.01	− 3 23.4	1.909	2.809	10.4	19.8
11 7	0 20.57	− 3 25.2	1.992	2.811	13.5	20.0

450324 2004 TK_{26} 10 4.4 242.°64 0.°8/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.22	+12 1.0	2.378	3.191	12.5	21.3
9 8	0 57.62	+11 3.4	2.288	3.185	9.7	21.1
9 18	0 52.41	+ 9 49.8	2.220	3.179	6.5	20.9
9 28	0 46.09	+ 8 23.4	2.180	3.173	2.9	20.7
10 8	0 39.31	+ 6 49.7	2.169	3.167	1.3	20.6
10 18	0 32.79	+ 5 15.2	2.188	3.160	4.8	20.8
10 28	0 27.25	+ 3 46.8	2.236	3.153	8.2	21.0
11 7	0 23.24	+ 2 30.2	2.310	3.147	11.3	21.2

43769 1988 *EK* 10 4.4 251.°45 2.°1/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.27	+ 2 41.4	2.227	3.068	12.3	18.9
9 8	1 0.11	+ 1 26.1	2.129	3.048	9.3	18.7
9 18	0 54.14	− 0 1.3	2.056	3.028	5.9	18.4
9 28	0 46.82	− 1 35.3	2.011	3.006	2.6	18.2
10 8	0 38.88	− 3 9.0	1.995	2.984	3.3	18.2
10 18	0 31.12	− 4 35.0	2.009	2.962	6.8	18.4
10 28	0 24.39	− 5 46.8	2.050	2.939	10.4	18.6
11 7	0 19.33	− 6 40.1	2.116	2.915	13.6	18.7

169746 2002 OQ_{19} 10 4.4 27.°11 1.°1/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.87	+10 33.8	1.719	2.552	15.7	20.3
9 8	1 0.15	+10 4.2	1.646	2.554	12.2	20.1
9 18	0 54.27	+ 9 17.1	1.593	2.557	8.1	19.8
9 28	0 46.87	+ 8 16.0	1.566	2.559	3.7	19.6
10 8	0 38.88	+ 7 6.7	1.565	2.562	1.6	19.4
10 18	0 31.33	+ 5 56.6	1.591	2.565	5.9	19.7
10 28	0 25.18	+ 4 53.6	1.644	2.568	10.1	20.0
11 7	0 21.13	+ 4 3.7	1.720	2.572	13.8	20.2

23890 Quindou 10 4.4 90.°22 0.°3/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.89	+ 8 16.6	1.867	2.701	14.6	18.9
9 8	1 0.74	+ 7 46.3	1.793	2.704	11.2	18.7
9 18	0 54.56	+ 7 1.7	1.742	2.708	7.3	18.5
9 28	0 46.97	+ 6 6.5	1.716	2.711	3.0	18.2
10 8	0 38.85	+ 5 6.2	1.717	2.715	1.5	18.1
10 18	0 31.15	+ 4 7.2	1.747	2.719	5.8	18.4
10 28	0 24.76	+ 3 16.2	1.803	2.722	9.8	18.7
11 7	0 20.35	+ 2 37.9	1.883	2.726	13.2	18.9

254669 2005 LO_{19} 10 4.4 324.°15 4.°5/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 57.90	−17 30.2	4.024	4.872	7.1	19.3
9 8	0 54.45	−18 18.9	3.963	4.868	5.8	19.2
9 18	0 50.08	−19 3.8	3.928	4.864	4.8	19.1
9 28	0 45.11	−19 41.6	3.920	4.861	4.6	19.1
10 8	0 39.91	−20 9.5	3.941	4.857	5.2	19.1
10 18	0 34.89	−20 25.2	3.988	4.853	6.4	19.2
10 28	0 30.44	−20 27.8	4.061	4.850	7.8	19.3
11 7	0 26.89	−20 17.1	4.156	4.847	9.1	19.4

264067 2009 SH_{139} 10 4.4 311.°62 0.°0/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.46	+ 6 59.2	2.031	2.869	13.4	21.4
9 8	0 58.89	+ 6 33.2	1.941	2.855	10.3	21.2
9 18	0 53.41	+ 5 54.6	1.873	2.841	6.7	20.9
9 28	0 46.55	+ 5 6.6	1.830	2.827	2.7	20.7
10 8	0 39.08	+ 4 14.0	1.816	2.813	1.5	20.5
10 18	0 31.84	+ 3 22.6	1.829	2.800	5.7	20.8
10 28	0 25.72	+ 2 38.2	1.869	2.787	9.6	21.0
11 7	0 21.39	+ 2 5.7	1.933	2.774	13.0	21.2

281740 2008 YH_{27} 10 4.4 359.°82 1.°7/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 54.27	+ 4 47.8	0.937	1.838	20.0	18.8
9 8	0 54.15	+ 4 7.9	0.882	1.831	15.3	18.5
9 18	0 51.03	+ 3 7.5	0.844	1.827	9.7	18.2
9 28	0 45.73	+ 1 54.3	0.827	1.826	3.7	17.8
10 8	0 39.56	+ 0 40.2	0.831	1.827	3.5	17.8
10 18	0 34.02	− 0 22.7	0.856	1.830	9.4	18.2
10 28	0 30.49	− 1 4.0	0.901	1.837	14.9	18.5
11 7	0 29.81	− 1 18.9	0.964	1.845	19.6	18.8

21731 Zhuruochen 10 4.4 161.°88 4.°3/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.54	− 2 18.8	1.845	2.708	13.5	17.7
9 8	0 59.71	− 3 57.4	1.780	2.710	10.1	17.5
9 18	0 53.89	− 5 44.2	1.739	2.712	6.6	17.3
9 28	0 46.71	− 7 30.6	1.725	2.713	4.3	17.1
10 8	0 39.03	− 9 7.4	1.739	2.715	5.6	17.2
10 18	0 31.76	−10 26.8	1.780	2.716	8.9	17.4
10 28	0 25.80	−11 23.2	1.847	2.717	12.3	17.6
11 7	0 21.75	−11 54.8	1.935	2.718	15.2	17.8

134568 1999 RH_{215} 10 4.4 30.°30 0.°3/ 8.9 06 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 44.58	+15 58.9	37.565	38.325	1.0	24.0
9 8	0 43.89	+15 56.2	37.472	38.327	0.8	24.0
9 18	0 43.13	+15 52.7	37.404	38.330	0.6	24.0
9 28	0 42.32	+15 48.3	37.364	38.333	0.4	24.0
10 8	0 41.48	+15 43.3	37.352	38.335	0.3	23.9
10 18	0 40.66	+15 37.8	37.370	38.338	0.4	24.0
10 28	0 39.88	+15 32.0	37.417	38.341	0.6	24.0
11 7	0 39.18	+15 26.2	37.492	38.343	0.8	24.0

477486 2010 BL_{51} 10 4.4 178.°05 8.°9/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.65	−18 19.1	1.829	2.688	13.8	20.8
9 8	1 3.62	−19 36.4	1.778	2.688	11.3	20.7
9 18	0 56.39	−20 45.8	1.749	2.688	9.5	20.6
9 28	0 47.69	−21 38.4	1.745	2.688	9.0	20.6
10 8	0 38.51	−22 7.0	1.766	2.688	10.1	20.6
10 18	0 29.89	−22 8.0	1.812	2.688	12.3	20.8
10 28	0 22.81	−21 41.0	1.880	2.688	14.8	20.9
11 7	0 17.89	−20 49.0	1.967	2.688	17.0	21.1

34244 2000 QF_{101} 10 4.4 16.°21 4.°0/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.98	− 4 13.7	1.768	2.633	13.9	17.9
9 8	1 0.84	− 4 58.5	1.705	2.635	10.5	17.7
9 18	0 54.63	− 5 47.3	1.666	2.638	6.9	17.5
9 28	0 47.00	− 6 33.7	1.651	2.641	4.2	17.4
10 8	0 38.88	− 7 11.1	1.664	2.645	5.1	17.4
10 18	0 31.23	− 7 34.3	1.703	2.649	8.4	17.7
10 28	0 24.98	− 7 39.7	1.766	2.654	11.9	17.9
11 7	0 20.76	− 7 26.5	1.852	2.658	14.9	18.1

161078 2002 LE_{57} 10 4.4 12.°40 6.°4/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.64	+26 19.2	2.159	2.899	15.8	19.1
9 8	0 59.05	+26 34.8	2.074	2.901	13.5	19.0
9 18	0 53.51	+26 28.0	2.008	2.902	10.9	18.8
9 28	0 46.59	+25 57.5	1.965	2.905	8.3	18.7
10 8	0 39.10	+25 4.7	1.947	2.907	6.6	18.6
10 18	0 31.92	+23 53.8	1.955	2.910	6.8	18.6
10 28	0 25.96	+22 32.0	1.990	2.913	8.7	18.7
11 7	0 21.85	+21 7.3	2.050	2.917	11.3	18.9

421705 2014 PF_{15} 10 4.4 59.°97 0.°8/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.05	+ 4 31.7	2.053	2.895	13.1	21.3
9 8	0 59.78	+ 3 56.1	1.995	2.912	9.9	21.2
9 18	0 53.77	+ 3 10.9	1.960	2.930	6.2	21.0
9 28	0 46.62	+ 2 20.2	1.951	2.948	2.4	20.8
10 8	0 39.13	+ 1 29.4	1.970	2.965	2.0	20.8
10 18	0 32.10	+ 0 43.9	2.017	2.983	5.7	21.1
10 28	0 26.29	+ 0 8.3	2.092	3.001	9.2	21.3
11 7	0 22.22	− 0 14.4	2.190	3.019	12.1	21.5

174234 2002 RD_{84} 10 4.4 12.°50 0.°1/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.17	+ 7 52.6	1.397	2.256	17.2	19.2
9 8	0 58.49	+ 7 11.1	1.334	2.259	13.2	19.0
9 18	0 53.38	+ 6 11.4	1.291	2.263	8.5	18.7
9 28	0 46.57	+ 4 58.6	1.271	2.269	3.4	18.4
10 8	0 39.14	+ 3 41.2	1.277	2.275	2.0	18.4
10 18	0 32.25	+ 2 28.4	1.308	2.282	7.1	18.7
10 28	0 26.98	+ 1 28.8	1.364	2.289	11.8	19.0
11 7	0 24.05	+ 0 48.1	1.441	2.298	15.7	19.3

516624 2008 BC_{38} 10 4.4 293.°39 6.°6/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.87	− 9 1.4	1.857	2.730	13.0	21.0
9 8	0 58.63	−10 53.3	1.781	2.711	10.1	20.8
9 18	0 53.35	−12 49.7	1.729	2.692	7.6	20.6
9 28	0 46.57	−14 40.8	1.703	2.674	6.7	20.5
10 8	0 39.12	−16 16.5	1.704	2.655	8.3	20.6
10 18	0 31.94	−17 29.0	1.731	2.636	11.2	20.7
10 28	0 25.98	−18 13.2	1.781	2.618	14.3	20.9
11 7	0 21.95	−18 28.5	1.851	2.600	17.0	21.0

280939 2006 BB_{89} 10 4.4 68.°15 3.°5/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.37	− 0 55.0	1.568	2.432	15.4	20.3
9 8	1 2.03	− 1 56.2	1.516	2.446	11.5	20.1
9 18	0 55.42	− 3 5.1	1.485	2.460	7.3	19.8
9 28	0 47.32	− 4 14.4	1.480	2.474	3.8	19.7
10 8	0 38.77	− 5 15.6	1.502	2.488	4.7	19.8
10 18	0 30.85	− 6 2.0	1.550	2.503	8.5	20.0
10 28	0 24.55	− 6 28.8	1.623	2.517	12.3	20.3
11 7	0 20.48	− 6 34.7	1.717	2.531	15.6	20.5

226549 2003 UA_{304} 10 4.4 57.°05 1.°4/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.02	+10 17.3	2.125	2.944	13.6	20.3
9 8	1 0.54	+10 10.4	2.060	2.959	10.5	20.1
9 18	0 54.29	+ 9 50.7	2.016	2.974	7.1	19.9
9 28	0 46.86	+ 9 20.5	1.998	2.990	3.4	19.7
10 8	0 39.02	+ 8 43.5	2.009	3.005	1.6	19.6
10 18	0 31.62	+ 8 4.4	2.047	3.021	4.9	19.9
10 28	0 25.41	+ 7 28.2	2.114	3.037	8.3	20.1
11 7	0 20.96	+ 6 59.5	2.205	3.053	11.4	20.3

49875 1999 XR_{130} 10 4.4 177.°38 0.°5/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.18	+ 4 37.0	1.680	2.520	15.7	19.8
9 8	1 5.79	+ 4 25.2	1.606	2.521	12.0	19.6
9 18	0 57.96	+ 4 2.1	1.553	2.522	7.7	19.3
9 28	0 48.40	+ 3 31.4	1.526	2.522	3.0	19.0
10 8	0 38.15	+ 2 58.1	1.526	2.523	2.0	19.0
10 18	0 28.38	+ 2 28.2	1.554	2.522	6.7	19.3
10 28	0 20.20	+ 2 7.0	1.608	2.522	11.1	19.5
11 7	0 14.38	+ 1 58.6	1.685	2.521	14.8	19.8

212660 2006 US_{195} 10 4.4 65.°48 0.°1/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.84	+ 8 24.4	1.843	2.679	14.6	20.7
9 8	0 59.93	+ 7 43.8	1.774	2.686	11.2	20.5
9 18	0 54.04	+ 6 48.5	1.727	2.694	7.3	20.3
9 28	0 46.79	+ 5 42.5	1.706	2.702	2.9	20.0
10 8	0 39.06	+ 4 32.0	1.712	2.710	1.5	19.9
10 18	0 31.77	+ 3 24.1	1.747	2.718	5.9	20.2
10 28	0 25.81	+ 2 25.6	1.808	2.726	9.8	20.5
11 7	0 21.79	+ 1 41.3	1.893	2.734	13.2	20.7

208091 1999 XM_{162} 10 4.4 307.°72 6.°9/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.28	−11 14.6	1.586	2.452	15.1	19.9
9 8	1 5.52	−11 54.0	1.501	2.427	12.0	19.6
9 18	0 58.05	−12 31.7	1.438	2.402	8.8	19.4
9 28	0 48.53	−12 59.6	1.400	2.377	7.0	19.2
10 8	0 38.05	−13 9.7	1.387	2.352	8.1	19.2
10 18	0 27.88	−12 56.5	1.399	2.328	11.4	19.4
10 28	0 19.31	−12 17.9	1.434	2.304	15.2	19.5
11 7	0 13.26	−11 15.1	1.490	2.281	18.6	19.7

225160 2008 GL_{96} 10 4.4 11.°91 2.°4/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.06	+ 4 19.5	1.156	2.036	18.6	19.3
9 8	0 58.82	+ 3 8.3	1.099	2.038	14.0	19.1
9 18	0 53.78	+ 1 38.5	1.062	2.041	8.8	18.8
9 28	0 46.79	− 0 0.9	1.047	2.045	3.6	18.5
10 8	0 39.08	− 1 37.8	1.056	2.050	4.1	18.6
10 18	0 32.02	− 3 0.1	1.090	2.056	9.3	18.9
10 28	0 26.85	− 3 58.8	1.145	2.063	14.3	19.2
11 7	0 24.35	− 4 29.5	1.220	2.070	18.4	19.5

404057 2012 DO_{23} 10 4.4 174.°15 2.°5/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.64	− 0 47.4	2.616	3.463	10.5	20.8
9 8	0 57.72	− 1 56.4	2.542	3.465	7.8	20.6
9 18	0 52.39	− 3 11.5	2.494	3.466	5.0	20.4
9 28	0 46.10	− 4 27.8	2.475	3.467	2.7	20.3
10 8	0 39.45	− 5 39.6	2.484	3.468	3.5	20.3
10 18	0 33.08	− 6 42.0	2.524	3.468	6.2	20.5
10 28	0 27.60	− 7 30.9	2.591	3.468	8.9	20.7
11 7	0 23.49	− 8 4.0	2.681	3.468	11.3	20.8

187268 2005 TH_{32} 10 4.4 60.°38 1.°4/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.56	+ 4 16.8	1.367	2.226	17.5	20.5
9 8	1 3.22	+ 3 34.9	1.315	2.242	13.2	20.3
9 18	0 56.32	+ 2 39.3	1.285	2.259	8.3	20.1
9 28	0 47.71	+ 1 36.2	1.278	2.275	3.2	19.8
10 8	0 38.60	+ 0 34.3	1.296	2.292	2.9	19.9
10 18	0 30.24	− 0 18.5	1.341	2.309	7.8	20.2
10 28	0 23.73	− 0 55.5	1.410	2.326	12.3	20.5
11 7	0 19.74	− 1 13.2	1.501	2.343	16.0	20.8

347118 2010 JS_{82} 10 4.4 146.°44 6.°1/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.05	−13 27.2	2.287	3.137	11.7	21.4
9 8	1 3.42	−14 28.2	2.234	3.147	9.2	21.2
9 18	0 56.04	−15 25.5	2.205	3.156	7.0	21.1
9 28	0 47.54	−16 12.8	2.203	3.165	6.1	21.1
10 8	0 38.70	−16 44.6	2.230	3.174	7.1	21.2
10 18	0 30.33	−16 57.5	2.283	3.181	9.2	21.3
10 28	0 23.20	−16 50.2	2.362	3.188	11.5	21.5
11 7	0 17.84	−16 23.8	2.462	3.195	13.7	21.7

363461 2003 SN_{238} 10 4.4 35.°73 1.°8/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.66	+11 37.1	1.897	2.720	14.8	20.6
9 8	0 59.75	+11 27.4	1.831	2.732	11.6	20.4
9 18	0 53.90	+11 2.3	1.787	2.744	7.9	20.2
9 28	0 46.74	+10 24.1	1.767	2.757	4.0	20.0
10 8	0 39.12	+ 9 37.3	1.774	2.771	1.9	19.9
10 18	0 31.96	+ 8 47.5	1.810	2.784	5.2	20.1
10 28	0 26.09	+ 8 0.8	1.871	2.799	9.0	20.4
11 7	0 22.13	+ 7 22.6	1.958	2.813	12.2	20.6

104543 2000 GX_{58} 10 4.4 157.°53 0.°3/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.86	+ 6 2.9	1.871	2.704	14.6	21.1
9 8	1 3.75	+ 5 34.0	1.798	2.710	11.1	20.9
9 18	0 56.51	+ 4 52.8	1.748	2.715	7.2	20.7
9 28	0 47.80	+ 4 3.2	1.723	2.720	2.8	20.4
10 8	0 38.54	+ 3 10.7	1.727	2.724	1.8	20.4
10 18	0 29.73	+ 2 21.5	1.759	2.727	6.1	20.7
10 28	0 22.32	+ 1 41.4	1.819	2.731	10.1	20.9
11 7	0 16.99	+ 1 14.7	1.902	2.733	13.6	21.2

35140 1992 RQ_{7} 10 4.4 32.°60 2.°3/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.24	+ 2 14.9	1.382	2.249	16.9	18.6
9 8	1 1.54	+ 1 29.4	1.325	2.257	12.7	18.3
9 18	0 55.31	+ 0 31.8	1.288	2.264	8.0	18.1
9 28	0 47.35	− 0 31.1	1.276	2.273	3.4	17.8
10 8	0 38.80	− 1 30.7	1.288	2.281	3.7	17.9
10 18	0 30.89	− 2 18.9	1.327	2.291	8.3	18.2
10 28	0 24.72	− 2 49.7	1.389	2.300	12.7	18.5
11 7	0 21.01	− 2 59.9	1.472	2.311	16.5	18.7

189306 2005 XO_{29} 10 4.4 213.°04 6.°6/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.87	+29 58.5	2.728	3.420	13.8	20.2
9 8	1 0.46	+30 18.6	2.629	3.415	12.1	20.1
9 18	0 54.32	+30 19.1	2.550	3.411	10.1	19.9
9 28	0 46.93	+29 58.3	2.493	3.406	8.1	19.8
10 8	0 38.99	+29 16.6	2.462	3.401	6.8	19.7
10 18	0 31.27	+28 16.5	2.458	3.395	6.7	19.7
10 28	0 24.55	+27 3.2	2.482	3.390	8.0	19.8
11 7	0 19.44	+25 43.5	2.532	3.384	9.9	19.9

54273 2000 JC_{41} 10 4.4 182.°06 0.°2/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.70	+ 6 45.2	1.916	2.748	14.3	20.1
9 8	1 2.88	+ 6 9.6	1.838	2.749	11.0	19.9
9 18	0 55.97	+ 5 20.9	1.782	2.749	7.1	19.7
9 28	0 47.60	+ 4 22.8	1.753	2.749	2.8	19.4
10 8	0 38.65	+ 3 21.2	1.752	2.749	1.7	19.3
10 18	0 30.10	+ 2 22.4	1.779	2.747	6.1	19.6
10 28	0 22.87	+ 1 33.0	1.834	2.746	10.1	19.9
11 7	0 17.65	+ 0 57.3	1.912	2.743	13.5	20.1

238186 2003 SW_{267} 10 4.4 33.°17 0.°0/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.36	+ 7 48.1	1.629	2.474	15.8	20.8
9 8	1 0.62	+ 7 11.5	1.560	2.478	12.2	20.6
9 18	0 54.65	+ 6 18.9	1.512	2.481	7.9	20.3
9 28	0 47.10	+ 5 14.8	1.489	2.485	3.1	20.1
10 8	0 38.96	+ 4 6.1	1.492	2.489	1.7	20.0
10 18	0 31.30	+ 3 0.4	1.522	2.494	6.5	20.3
10 28	0 25.12	+ 2 5.2	1.578	2.498	10.8	20.6
11 7	0 21.11	+ 1 25.9	1.657	2.503	14.5	20.8

320131 2007 EL_{196} 10 4.4 161.°57 0.°7/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.39	+ 3 7.6	2.450	3.281	11.6	20.6
9 8	1 1.42	+ 2 54.7	2.372	3.284	8.8	20.5
9 18	0 54.81	+ 2 34.9	2.317	3.286	5.6	20.3
9 28	0 47.10	+ 2 11.0	2.291	3.287	2.2	20.0
10 8	0 38.96	+ 1 46.7	2.293	3.289	1.7	20.0
10 18	0 31.14	+ 1 25.5	2.325	3.290	5.1	20.2
10 28	0 24.34	+ 1 11.1	2.385	3.292	8.3	20.5
11 7	0 19.11	+ 1 5.9	2.471	3.293	11.1	20.6

232884 2004 VU_{86} 10 4.4 222.°51 3.°3/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.11	+15 52.2	1.990	2.785	15.2	20.6
9 8	1 2.55	+15 51.9	1.900	2.780	12.3	20.3
9 18	0 55.85	+15 33.6	1.831	2.774	8.9	20.1
9 28	0 47.60	+14 57.7	1.787	2.767	5.3	19.9
10 8	0 38.66	+14 7.4	1.769	2.760	3.3	19.8
10 18	0 30.01	+13 7.9	1.780	2.753	5.6	19.9
10 28	0 22.63	+12 6.2	1.819	2.746	9.2	20.1
11 7	0 17.26	+11 9.5	1.882	2.738	12.6	20.3

324358 2006 QB_{100} 10 4.4 47.°72 0.°3/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.77	+ 9 55.8	1.207	2.064	19.5	20.5
9 8	1 1.49	+ 9 5.9	1.153	2.076	15.0	20.2
9 18	0 55.41	+ 7 53.0	1.119	2.089	9.8	20.0
9 28	0 47.42	+ 6 23.4	1.106	2.103	4.0	19.7
10 8	0 38.82	+ 4 47.4	1.119	2.116	1.9	19.6
10 18	0 30.97	+ 3 16.5	1.156	2.131	7.6	20.0
10 28	0 25.10	+ 2 1.4	1.218	2.145	12.6	20.3
11 7	0 21.93	+ 1 8.4	1.300	2.160	16.9	20.6

455131 2015 VP_{94} 10 4.4 258.°85 2.°8/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.87	+16 3.9	2.340	3.132	13.3	21.0
9 8	0 58.98	+15 50.0	2.249	3.127	10.7	20.8
9 18	0 53.38	+15 19.8	2.180	3.122	7.7	20.6
9 28	0 46.57	+14 34.3	2.137	3.117	4.6	20.4
10 8	0 39.25	+13 37.0	2.121	3.112	2.8	20.3
10 18	0 32.18	+12 32.5	2.134	3.107	4.7	20.4
10 28	0 26.13	+11 27.1	2.175	3.102	7.9	20.6
11 7	0 21.71	+10 26.7	2.242	3.097	10.9	20.8

421990 2014 QH_{307} 10 4.4 301.°36 0.°5/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.23	+ 3 46.3	2.290	3.125	12.2	20.4
9 8	1 0.75	+ 3 36.7	2.202	3.116	9.3	20.2
9 18	0 54.51	+ 3 19.3	2.138	3.107	6.0	20.0
9 28	0 47.02	+ 2 56.8	2.101	3.098	2.3	19.7
10 8	0 39.00	+ 2 32.9	2.092	3.089	1.7	19.7
10 18	0 31.23	+ 2 11.6	2.112	3.080	5.4	19.9
10 28	0 24.50	+ 1 56.9	2.160	3.071	8.8	20.1
11 7	0 19.42	+ 1 51.6	2.233	3.062	11.9	20.3

266735 2009 SH_{3} 10 4.4 354.°03 2.°6/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.97	+12 53.0	1.783	2.607	15.6	20.7
9 8	0 59.54	+12 57.4	1.704	2.603	12.4	20.5
9 18	0 53.97	+12 45.0	1.644	2.599	8.7	20.2
9 28	0 46.86	+12 17.0	1.609	2.597	4.8	20.0
10 8	0 39.09	+11 37.0	1.600	2.595	2.7	19.9
10 18	0 31.67	+10 50.5	1.618	2.593	5.7	20.1
10 28	0 25.58	+10 4.3	1.661	2.593	9.6	20.3
11 7	0 21.52	+ 9 24.7	1.729	2.593	13.2	20.5

199136 2005 YU_{107} 10 4.5 92.°10 1.°2/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.13	+ 4 35.5	1.695	2.541	15.2	21.3
9 8	1 2.51	+ 3 50.7	1.635	2.555	11.5	21.1
9 18	0 55.72	+ 2 53.8	1.598	2.569	7.3	20.9
9 28	0 47.49	+ 1 50.1	1.586	2.583	2.8	20.7
10 8	0 38.80	+ 0 46.6	1.602	2.597	2.5	20.7
10 18	0 30.69	− 0 9.5	1.645	2.610	6.8	21.0
10 28	0 24.09	− 0 52.4	1.714	2.624	10.8	21.2
11 7	0 19.64	− 1 18.4	1.806	2.637	14.2	21.5

292374 2006 SU_{256} 10 4.5 337.°77 1.°3/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.18	+10 28.1	1.728	2.562	15.5	21.1
9 8	0 59.75	+10 8.4	1.647	2.556	12.2	20.9
9 18	0 54.13	+ 9 31.8	1.588	2.551	8.2	20.6
9 28	0 46.94	+ 8 40.9	1.553	2.546	3.8	20.3
10 8	0 39.08	+ 7 41.0	1.544	2.541	1.7	20.2
10 18	0 31.57	+ 6 39.0	1.562	2.537	5.9	20.5
10 28	0 25.42	+ 5 42.4	1.607	2.534	10.2	20.7
11 7	0 21.36	+ 4 57.5	1.674	2.530	13.9	20.9

86364 1999 XC_{194} 10 4.5 192.°78 1.°0/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.97	+ 2 45.2	2.553	3.386	11.1	18.9
9 8	1 0.30	+ 2 22.6	2.472	3.385	8.4	18.7
9 18	0 54.10	+ 1 53.2	2.415	3.384	5.3	18.5
9 28	0 46.83	+ 1 19.9	2.386	3.383	2.1	18.3
10 8	0 39.15	+ 0 46.7	2.386	3.381	1.9	18.3
10 18	0 31.75	+ 0 17.5	2.416	3.379	5.1	18.5
10 28	0 25.30	− 0 4.2	2.474	3.377	8.2	18.7
11 7	0 20.33	− 0 15.8	2.557	3.375	10.9	18.9

417689 2007 BQ_{34} 10 4.5 256.°72 3.°0/29.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.78	− 6 50.5	3.516	4.365	8.0	22.1
9 8	0 56.05	− 7 39.9	3.429	4.350	6.1	21.9
9 18	0 51.23	− 8 30.7	3.369	4.335	4.2	21.8
9 28	0 45.67	− 9 19.4	3.337	4.319	3.0	21.7
10 8	0 39.79	−10 2.4	3.336	4.303	3.7	21.7
10 18	0 34.06	−10 36.6	3.363	4.288	5.6	21.8
10 28	0 28.95	−10 59.5	3.418	4.272	7.6	22.0
11 7	0 24.85	−11 10.0	3.497	4.255	9.5	22.1

68521 2001 VA_{25} 10 4.5 103.°44 0.°2/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.11	+ 7 19.8	2.052	2.883	13.5	20.1
9 8	1 0.79	+ 6 58.6	1.975	2.884	10.4	19.9
9 18	0 54.59	+ 6 25.8	1.920	2.886	6.8	19.7
9 28	0 47.07	+ 5 44.0	1.891	2.887	2.8	19.5
10 8	0 39.04	+ 4 57.9	1.891	2.888	1.4	19.4
10 18	0 31.37	+ 4 12.8	1.918	2.889	5.4	19.7
10 28	0 24.89	+ 3 34.2	1.973	2.890	9.2	19.9
11 7	0 20.23	+ 3 6.3	2.053	2.892	12.4	20.1

43611 2002 AV_{128} 10 4.5 123.°07 2.°6/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.43	− 2 54.0	2.512	3.355	11.0	19.8
9 8	1 1.31	− 3 26.2	2.448	3.367	8.2	19.7
9 18	0 54.67	− 4 1.5	2.409	3.378	5.3	19.5
9 28	0 47.04	− 4 35.9	2.398	3.390	2.9	19.3
10 8	0 39.09	− 5 5.2	2.416	3.400	3.4	19.4
10 18	0 31.51	− 5 25.8	2.463	3.411	6.1	19.6
10 28	0 24.97	− 5 35.0	2.538	3.421	8.9	19.8
11 7	0 19.97	− 5 31.6	2.637	3.431	11.3	20.0

401765 2013 LM_{18} 10 4.5 36.°67 4.°0/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.99	− 4 15.0	2.084	2.946	12.2	20.2
9 8	0 58.31	− 5 24.4	2.023	2.952	9.2	20.0
9 18	0 52.92	− 6 38.0	1.985	2.957	6.1	19.8
9 28	0 46.38	− 7 49.2	1.975	2.963	4.0	19.7
10 8	0 39.44	− 8 51.5	1.993	2.968	5.1	19.8
10 18	0 32.88	− 9 39.4	2.037	2.974	7.9	20.0
10 28	0 27.46	−10 9.0	2.108	2.980	10.9	20.2
11 7	0 23.71	−10 19.2	2.200	2.987	13.5	20.4

18042 1999 RF_{27} 10 4.5 142.°72 2.°7/ 1.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.67	− 1 1.7	2.297	3.141	11.9	18.4
9 8	1 1.63	− 2 3.7	2.234	3.154	8.9	18.2
9 18	0 54.94	− 3 11.6	2.195	3.166	5.7	18.1
9 28	0 47.16	− 4 20.0	2.184	3.177	3.0	17.9
10 8	0 39.02	− 5 22.8	2.203	3.188	3.7	18.0
10 18	0 31.30	− 6 15.0	2.251	3.198	6.7	18.2
10 28	0 24.70	− 6 52.5	2.327	3.207	9.7	18.4
11 7	0 19.77	− 7 13.5	2.426	3.215	12.3	18.6

364956 2008 GN_{82} 10 4.5 93.°25 3.°1/ 1.3 18

8 29	1 8.43	− 4 27.9	2.275	3.122	11.9	21.1
9 8	1 2.90	− 4 56.6	2.220	3.140	8.9	20.9
9 18	0 55.70	− 5 27.4	2.189	3.157	5.8	20.8
9 28	0 47.44	− 5 55.7	2.185	3.175	3.4	20.6
10 8	0 38.89	− 6 17.1	2.210	3.192	4.0	20.7
10 18	0 30.82	− 6 28.2	2.265	3.210	6.7	20.9
10 28	0 23.95	− 6 26.7	2.346	3.226	9.6	21.1
11 7	0 18.80	− 6 11.9	2.451	3.243	12.1	21.3

115348 2003 SW_{233} 10 4.5 331.°16 1.°0/ 5.1 17

8 29	1 9.50	+ 5 53.0	1.831	2.665	14.8	18.8
9 8	1 4.59	+ 6 25.7	1.739	2.649	11.6	18.5
9 18	0 57.33	+ 6 50.3	1.670	2.634	7.7	18.3
9 28	0 48.28	+ 7 7.5	1.626	2.620	3.4	18.0
10 8	0 38.38	+ 7 19.4	1.609	2.606	1.7	17.8
10 18	0 28.71	+ 7 29.1	1.620	2.593	6.0	18.1
10 28	0 20.38	+ 7 40.2	1.658	2.581	10.2	18.3
11 7	0 14.23	+ 7 56.5	1.720	2.569	14.0	18.5

149196 2002 PR_{24} 10 4.5 94.°94 3.°0/ 1.8 18

8 29	1 7.48	+ 1 25.8	1.473	2.335	16.3	20.6
9 8	1 3.06	+ 0 14.1	1.419	2.348	12.3	20.3
9 18	0 56.21	− 1 9.0	1.387	2.362	7.7	20.1
9 28	0 47.74	− 2 35.4	1.379	2.375	3.6	19.9
10 8	0 38.77	− 3 55.4	1.398	2.387	4.4	20.0
10 18	0 30.46	− 5 0.5	1.444	2.400	8.6	20.3
10 28	0 23.87	− 5 44.7	1.514	2.412	12.7	20.6
11 7	0 19.67	− 6 5.6	1.605	2.424	16.2	20.8

18020 Amend 10 4.5 29.°77 0.°7/ 5.2 18

8 29	1 4.19	+ 8 55.0	1.886	2.719	14.5	18.7
9 8	1 0.25	+ 8 33.3	1.813	2.722	11.2	18.5
9 18	0 54.31	+ 7 57.6	1.761	2.726	7.4	18.2
9 28	0 46.99	+ 7 10.7	1.735	2.729	3.2	18.0
10 8	0 39.14	+ 6 17.9	1.735	2.733	1.4	17.9
10 18	0 31.69	+ 5 25.0	1.764	2.737	5.6	18.2
10 28	0 25.52	+ 4 38.4	1.820	2.742	9.5	18.4
11 7	0 21.28	+ 4 3.1	1.899	2.746	12.9	18.6

447332 2005 YM_{28} 10 4.5 358.°77 3.°7/ 1.1 18

8 29	1 2.72	− 2 44.0	1.699	2.568	14.1	20.4
9 8	0 59.30	− 3 31.7	1.633	2.566	10.7	20.2
9 18	0 53.78	− 4 25.3	1.589	2.564	6.9	20.0
9 28	0 46.80	− 5 18.4	1.571	2.563	4.0	19.8
10 8	0 39.26	− 6 3.9	1.579	2.563	4.9	19.8
10 18	0 32.16	− 6 35.6	1.613	2.564	8.4	20.1
10 28	0 26.43	− 6 49.4	1.671	2.565	12.0	20.3
11 7	0 22.74	− 6 43.7	1.751	2.567	15.2	20.5

246560 2008 SA_{158} 10 4.5 337.°52 0.°2/ 4.8 18

8 29	0 56.77	+ 7 23.8	3.987	4.804	7.8	20.3
9 8	0 53.66	+ 6 57.4	3.899	4.801	5.9	20.1
9 18	0 49.66	+ 6 24.4	3.835	4.798	3.8	20.0
9 28	0 45.06	+ 5 46.7	3.800	4.795	1.6	19.8
10 8	0 40.22	+ 5 6.9	3.795	4.793	0.8	19.7
10 18	0 35.52	+ 4 27.4	3.820	4.790	3.1	19.9
10 28	0 31.34	+ 3 51.1	3.875	4.787	5.2	20.1
11 7	0 28.02	+ 3 20.2	3.956	4.785	7.2	20.2

441770 2009 DQ_3 10 4.5 2.°89 2.°1/ 6.3 18

8 29	1 7.08	+11 26.8	1.827	2.647	15.4	21.2
9 8	1 2.60	+11 30.9	1.748	2.647	12.2	21.0
9 18	0 55.93	+11 19.7	1.691	2.647	8.4	20.7
9 28	0 47.68	+10 54.6	1.658	2.647	4.3	20.5
10 8	0 38.78	+10 19.2	1.651	2.647	2.2	20.4
10 18	0 30.25	+ 9 38.8	1.673	2.647	5.7	20.6
10 28	0 23.11	+ 8 59.6	1.721	2.648	9.6	20.8
11 7	0 18.07	+ 8 27.6	1.794	2.648	13.2	21.1

361771 2008 AV_{27} 10 4.5 291.°41 4.°3/29.9 18

8 29	1 3.54	− 3 20.9	1.914	2.776	13.1	21.2
9 8	0 59.95	− 4 34.8	1.821	2.750	10.0	20.9
9 18	0 54.29	− 5 57.1	1.752	2.724	6.7	20.7
9 28	0 47.07	− 7 20.8	1.709	2.698	4.3	20.5
10 8	0 39.09	− 8 37.7	1.694	2.671	5.6	20.5
10 18	0 31.30	− 9 40.1	1.705	2.645	9.0	20.7
10 28	0 24.66	−10 22.1	1.742	2.618	12.6	20.8
11 7	0 19.93	−10 41.0	1.800	2.591	15.9	21.0

203665 2002 JZ_{73} 10 4.5 36.°09 12.°1/25.0 18

	h m	° ′			°	m
8 29	1 7.85	−21 31.5	1.323	2.197	17.1	18.9
9 8	1 3.49	−23 9.0	1.301	2.214	14.4	18.8
9 18	0 56.47	−24 30.2	1.299	2.232	12.5	18.8
9 28	0 47.80	−25 23.5	1.318	2.251	12.2	18.8
10 8	0 38.82	−25 41.5	1.360	2.271	13.4	18.9
10 18	0 30.82	−25 22.3	1.423	2.291	15.5	19.1
10 28	0 24.85	−24 28.9	1.505	2.312	17.8	19.3
11 7	0 21.49	−23 7.5	1.604	2.334	19.9	19.6

25887 2000 SU_{308} 10 4.5 97.°96 2.°1/ 6.6 18 R

8 29	1 10.29	+11 47.7	2.282	3.080	13.4	19.2
9 8	1 4.45	+12 1.9	2.214	3.099	10.5	19.1
9 18	0 56.80	+12 3.9	2.169	3.118	7.3	18.9
9 28	0 47.94	+11 54.6	2.150	3.136	3.9	18.7
10 8	0 38.68	+11 36.5	2.160	3.154	2.2	18.6
10 18	0 29.86	+11 13.3	2.200	3.172	4.8	18.8
10 28	0 22.27	+10 49.4	2.269	3.189	8.0	19.1
11 7	0 16.48	+10 29.2	2.363	3.206	10.8	19.3

360492 2002 VF_{102} 10 4.5 313.°02 1.°2/ 5.4 18

8 29	1 4.94	+ 8 49.6	1.644	2.484	16.0	20.5
9 8	1 1.43	+ 8 48.1	1.548	2.461	12.6	20.3
9 18	0 55.48	+ 8 31.6	1.473	2.438	8.5	20.0
9 28	0 47.62	+ 8 1.6	1.421	2.415	3.9	19.6
10 8	0 38.79	+ 7 22.5	1.395	2.393	1.8	19.4
10 18	0 30.13	+ 6 40.2	1.396	2.371	6.5	19.7
10 28	0 22.83	+ 6 1.9	1.422	2.350	11.2	19.9
11 7	0 17.83	+ 5 34.0	1.471	2.329	15.4	20.1

390934 2005 GP_{52} 10 4.5 75.°52 1.°4/ 5.9 18

8 29	1 4.68	+12 19.2	1.864	2.684	15.2	21.0
9 8	1 0.54	+11 42.4	1.801	2.700	11.8	20.9
9 18	0 54.44	+10 48.1	1.758	2.717	7.9	20.7
9 28	0 47.03	+ 9 39.9	1.742	2.733	3.8	20.4
10 8	0 39.20	+ 8 23.7	1.752	2.749	1.7	20.3
10 18	0 31.87	+ 7 6.6	1.791	2.766	5.4	20.6
10 28	0 25.90	+ 5 56.1	1.858	2.782	9.2	20.9
11 7	0 21.88	+ 4 57.9	1.948	2.798	12.5	21.1

405511 2005 BO_{49} 10 4.5 120.°94 13.°0/12.9 17

8 29	1 18.49	+29 14.8	1.274	2.021	24.4	20.8
9 8	1 13.02	+31 11.9	1.207	2.027	21.5	20.6
9 18	1 3.62	+32 39.6	1.155	2.033	18.3	20.4
9 28	0 51.05	+33 28.1	1.121	2.039	15.3	20.2
10 8	0 36.92	+33 31.8	1.107	2.044	13.3	20.1
10 18	0 23.31	+32 52.4	1.116	2.049	13.3	20.2
10 28	0 12.24	+31 40.5	1.147	2.054	15.2	20.3
11 7	0 5.04	+30 12.1	1.198	2.059	18.0	20.5

487458 2014 SP_{90} 10 4.5 190.°13 1.°3/ 5.9 18

8 29	1 5.16	+10 10.0	2.534	3.343	11.9	21.5
9 8	1 0.54	+10 8.9	2.449	3.343	9.3	21.3
9 18	0 54.33	+ 9 57.2	2.387	3.343	6.3	21.1
9 28	0 47.00	+ 9 36.2	2.352	3.342	3.1	20.9
10 8	0 39.22	+ 9 8.8	2.345	3.342	1.5	20.8
10 18	0 31.70	+ 8 38.5	2.368	3.341	4.4	21.0
10 28	0 25.14	+ 8 9.6	2.420	3.341	7.5	21.2
11 7	0 20.10	+ 7 46.0	2.498	3.340	10.4	21.4

253659 2003 UA_{164} 10 4.5 355.°82 4.°8/ 1.3 18

8 29	1 3.17	− 2 3.2	1.009	1.905	19.3	19.1
9 8	1 0.90	− 2 52.4	0.953	1.900	14.7	18.8
9 18	0 55.43	− 3 51.8	0.915	1.896	9.6	18.5
9 28	0 47.62	− 4 51.6	0.898	1.893	5.3	18.3
10 8	0 38.90	− 5 40.4	0.903	1.892	6.4	18.4
10 18	0 30.87	− 6 8.6	0.930	1.892	11.3	18.6
10 28	0 25.01	− 6 10.3	0.978	1.893	16.3	18.9
11 7	0 22.22	− 5 44.8	1.043	1.896	20.7	19.2

259927 2004 EL_{36} 10 4.5 170.°00 0.°8/ 5.2 18

8 29	1 8.75	+ 9 27.9	1.888	2.709	14.9	21.5
9 8	1 3.75	+ 9 2.0	1.810	2.713	11.6	21.3
9 18	0 56.61	+ 8 21.1	1.754	2.716	7.7	21.0
9 28	0 47.96	+ 7 28.2	1.725	2.719	3.4	20.8
10 8	0 38.73	+ 6 28.4	1.723	2.720	1.5	20.7
10 18	0 29.90	+ 5 28.2	1.750	2.722	5.8	20.9
10 28	0 22.46	+ 4 34.4	1.804	2.722	9.8	21.2
11 7	0 17.09	+ 3 52.4	1.883	2.723	13.3	21.4

180434 2004 BV_{101} 10 4.5 92.°23 2.°8/ 1.9 17

8 29	1 9.00	+ 1 4.7	1.576	2.432	15.8	19.8
9 8	1 3.99	+ 0 0.1	1.527	2.453	11.8	19.6
9 18	0 56.70	− 1 14.1	1.500	2.474	7.4	19.4
9 28	0 47.94	− 2 30.3	1.499	2.494	3.5	19.2
10 8	0 38.79	− 3 40.1	1.525	2.515	4.1	19.3
10 18	0 30.35	− 4 36.2	1.579	2.534	8.1	19.6
10 28	0 23.59	− 5 13.4	1.657	2.554	11.9	19.9
11 7	0 19.11	− 5 29.9	1.758	2.573	15.2	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
251675 1995 SL_{23}			10 4.5	44.°30	1.°1/ 3.5	18
	h m	° ′			°	m
8 29	1 9.57	+ 1 28.4	2.026	2.865	13.4	21.4
9 8	1 4.19	+ 1 27.2	1.951	2.867	10.2	21.2
9 18	0 56.80	+ 1 19.7	1.899	2.868	6.5	21.0
9 28	0 48.02	+ 1 8.9	1.874	2.870	2.6	20.7
10 8	0 38.71	+ 0 58.8	1.877	2.872	2.2	20.7
10 18	0 29.80	+ 0 53.1	1.909	2.874	6.1	21.0
10 28	0 22.18	+ 0 55.1	1.968	2.876	9.7	21.2
11 7	0 16.51	+ 1 7.2	2.052	2.878	12.9	21.4
509239 2006 TX_{78}			10 4.5	1.°36	4.°1/ 2.5	18
8 29	1 4.26	− 3 21.5	0.856	1.761	21.0	19.7
9 8	1 2.15	− 3 17.0	0.806	1.757	16.1	19.4
9 18	0 56.43	− 3 17.3	0.772	1.754	10.5	19.1
9 28	0 48.06	− 3 15.1	0.758	1.754	5.2	18.8
10 8	0 38.70	− 3 2.6	0.764	1.756	5.5	18.9
10 18	0 30.21	− 2 34.3	0.790	1.761	10.9	19.2
10 28	0 24.23	− 1 47.2	0.837	1.768	16.4	19.5
11 7	0 21.70	− 0 42.1	0.901	1.777	21.1	19.9
216590 2002 LC_{47}			10 4.5	117.°72	4.°8/30.2	18
8 29	1 8.40	− 3 3.6	1.557	2.421	15.5	20.4
9 8	1 3.66	− 4 30.6	1.504	2.434	11.6	20.2
9 18	0 56.58	− 6 4.2	1.474	2.447	7.7	20.0
9 28	0 47.93	− 7 35.3	1.470	2.459	4.9	19.9
10 8	0 38.80	− 8 54.1	1.493	2.471	6.1	20.0
10 18	0 30.32	− 9 52.9	1.542	2.482	9.7	20.2
10 28	0 23.50	−10 27.1	1.615	2.493	13.3	20.5
11 7	0 19.01	−10 36.2	1.710	2.503	16.5	20.7
395469 2011 UY_{16}			10 4.5	60.°54	1.°1/ 5.6	18
8 29	1 4.56	+10 31.9	1.845	2.673	15.0	21.3
9 8	1 0.55	+10 5.9	1.776	2.681	11.6	21.1
9 18	0 54.53	+ 9 24.0	1.729	2.690	7.8	20.9
9 28	0 47.12	+ 8 29.4	1.706	2.699	3.6	20.7
10 8	0 39.22	+ 7 27.5	1.711	2.708	1.5	20.5
10 18	0 31.76	+ 6 24.9	1.743	2.717	5.5	20.8
10 28	0 25.64	+ 5 28.3	1.803	2.727	9.5	21.1
11 7	0 21.49	+ 4 43.3	1.886	2.736	12.9	21.3
25665 2000 AO_{89}			10 4.5	241.°63	0.°6/ 3.8	18
8 29	1 2.93	+ 5 6.5	2.410	3.244	11.7	18.9
9 8	0 58.92	+ 4 31.6	2.327	3.240	8.9	18.7
9 18	0 53.33	+ 3 47.1	2.268	3.236	5.7	18.5
9 28	0 46.63	+ 2 56.5	2.235	3.232	2.2	18.2
10 8	0 39.48	+ 2 4.2	2.232	3.228	1.7	18.2
10 18	0 32.59	+ 1 15.2	2.257	3.224	5.2	18.4
10 28	0 26.67	+ 0 34.1	2.311	3.219	8.5	18.6
11 7	0 22.27	+ 0 4.3	2.389	3.215	11.3	18.8
265311 2004 JV_{43}			10 4.5	132.°25	1.°9/ 2.8	18
8 29	1 9.36	+ 2 8.4	1.794	2.640	14.6	21.5
9 8	1 4.17	+ 1 27.2	1.731	2.650	11.0	21.3
9 18	0 56.83	+ 0 36.4	1.689	2.661	7.0	21.1
9 28	0 48.03	− 0 18.5	1.674	2.670	2.9	20.9
10 8	0 38.75	− 1 11.1	1.687	2.680	3.0	20.9
10 18	0 30.00	− 1 55.2	1.728	2.689	7.0	21.2
10 28	0 22.72	− 2 25.8	1.795	2.697	10.9	21.4
11 7	0 17.57	− 2 40.0	1.885	2.705	14.2	21.6
311346 2005 QJ_{151}			10 4.5	1.°64	1.°0/ 3.5	18
8 29	1 3.46	+ 4 36.9	1.882	2.729	13.9	20.8
9 8	0 59.72	+ 3 58.8	1.809	2.729	10.6	20.6
9 18	0 54.01	+ 3 9.2	1.757	2.729	6.7	20.4
9 28	0 46.93	+ 2 12.5	1.732	2.729	2.6	20.2
10 8	0 39.32	+ 1 14.8	1.734	2.729	2.2	20.1
10 18	0 32.08	+ 0 22.5	1.763	2.730	6.3	20.4
10 28	0 26.10	− 0 18.9	1.819	2.731	10.2	20.6
11 7	0 22.01	− 0 45.3	1.898	2.732	13.5	20.9
512726 2016 UN_{20}			10 4.5	36.°89	1.°0/ 5.3	18
8 29	1 5.53	+ 9 29.8	1.543	2.384	16.8	21.3
9 8	1 1.67	+ 9 11.3	1.477	2.390	13.0	21.1
9 18	0 55.43	+ 8 35.6	1.432	2.397	8.6	20.9
9 28	0 47.52	+ 7 46.2	1.411	2.405	3.8	20.6
10 8	0 39.01	+ 6 49.2	1.415	2.413	1.7	20.5
10 18	0 31.03	+ 5 51.9	1.446	2.421	6.3	20.8
10 28	0 24.65	+ 5 2.0	1.503	2.430	10.8	21.1
11 7	0 20.57	+ 4 25.3	1.582	2.438	14.6	21.4
341311 2007 SL_{15}			10 4.5	40.°86	0.°7/ 4.6	15
8 29	1 30.34	+ 0 5.4	0.962	1.817	23.5	19.9
9 8	1 22.32	+ 1 40.8	0.900	1.821	18.3	19.6
9 18	1 9.66	+ 3 15.8	0.855	1.825	12.1	19.3
9 28	0 53.45	+ 4 49.0	0.833	1.829	5.0	18.9
10 8	0 35.79	+ 6 18.1	0.837	1.834	2.6	18.8
10 18	0 19.23	+ 7 40.8	0.866	1.839	9.7	19.2
10 28	0 6.02	+ 8 58.2	0.919	1.844	15.9	19.6
11 7	23 57.38	+10 12.8	0.992	1.850	21.1	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
478823 2012 VO_{23}			10 4.5	1.°31	0.°8/ 3.9	18
	h m	° ′			°	m
8 29	1 5.16	+ 4 9.3	1.294	2.162	17.8	20.8
9 8	1 1.84	+ 3 56.8	1.229	2.160	13.6	20.5
9 18	0 55.78	+ 3 31.0	1.184	2.159	8.7	20.2
9 28	0 47.73	+ 2 56.4	1.161	2.159	3.4	19.9
10 8	0 38.91	+ 2 19.7	1.163	2.160	2.5	19.9
10 18	0 30.63	+ 1 48.4	1.189	2.162	7.8	20.2
10 28	0 24.18	+ 1 29.1	1.240	2.165	12.7	20.5
11 7	0 20.37	+ 1 26.1	1.310	2.169	16.9	20.8
468304 2015 HC_7			10 4.5	285.°16	3.°0/28.7	18
8 29	0 57.76	− 9 43.5	4.204	5.054	6.8	21.1
9 8	0 54.37	−10 22.0	4.132	5.050	5.2	21.0
9 18	0 50.11	−10 59.9	4.085	5.045	3.7	20.9
9 28	0 45.29	−11 34.5	4.067	5.041	3.0	20.9
10 8	0 40.25	−12 3.1	4.078	5.037	3.6	20.9
10 18	0 35.36	−12 23.5	4.119	5.033	5.0	21.0
10 28	0 30.99	−12 34.2	4.186	5.028	6.6	21.1
11 7	0 27.44	−12 34.4	4.278	5.024	8.1	21.2
82648 2001 PQ_{11}			10 4.5	124.°45	4.°0/ 8.5	18
8 29	1 10.25	+18 19.4	1.896	2.678	16.3	20.2
9 8	1 4.88	+18 18.1	1.826	2.694	13.2	20.0
9 18	0 57.32	+17 56.4	1.775	2.709	9.7	19.8
9 28	0 48.25	+17 14.7	1.750	2.724	6.1	19.7
10 8	0 38.66	+16 16.7	1.751	2.738	4.0	19.6
10 18	0 29.59	+15 8.3	1.781	2.752	5.8	19.7
10 28	0 22.01	+13 57.4	1.838	2.765	9.1	19.9
11 7	0 16.60	+12 51.6	1.921	2.777	12.4	20.2
440787 2006 KF_{83}			10 4.5	257.°20	1.°5/ 3.2	18
8 29	1 6.50	+ 2 57.2	1.808	2.656	14.4	21.4
9 8	1 2.16	+ 2 23.8	1.731	2.652	10.9	21.2
9 18	0 55.67	+ 1 39.9	1.675	2.647	7.0	21.0
9 28	0 47.64	+ 0 50.1	1.646	2.643	2.8	20.7
10 8	0 38.97	+ 0 0.6	1.644	2.638	2.7	20.7
10 18	0 30.68	− 0 42.4	1.669	2.634	6.9	20.9
10 28	0 23.75	− 1 13.4	1.721	2.629	10.9	21.2
11 7	0 18.87	− 1 28.8	1.796	2.624	14.4	21.4
487015 2014 OQ_4			10 4.5	2.°63	2.°0/ 2.3	18
8 29	1 2.30	+ 1 48.9	1.962	2.816	13.2	21.4
9 8	0 58.75	+ 0 57.8	1.891	2.816	9.9	21.2
9 18	0 53.35	− 0 2.6	1.842	2.816	6.3	21.0
9 28	0 46.67	− 1 7.0	1.820	2.816	2.7	20.7
10 8	0 39.51	− 2 9.1	1.826	2.817	3.1	20.8
10 18	0 32.71	− 3 2.5	1.859	2.818	6.7	21.0
10 28	0 27.09	− 3 42.1	1.918	2.819	10.3	21.2
11 7	0 23.25	− 4 4.9	2.000	2.821	13.4	21.4
2591 Dworetsky			10 4.5	99.°50	0.°2/ 4.7	18 R
8 29	1 5.15	+ 7 16.5	2.120	2.950	13.2	16.3
9 8	1 0.78	+ 6 55.2	2.045	2.954	10.2	16.1
9 18	0 54.59	+ 6 22.4	1.993	2.958	6.6	15.9
9 28	0 47.16	+ 5 41.1	1.967	2.962	2.7	15.6
10 8	0 39.25	+ 4 55.9	1.968	2.966	1.3	15.5
10 18	0 31.70	+ 4 11.9	1.999	2.970	5.3	15.8
10 28	0 25.31	+ 3 34.1	2.057	2.974	8.9	16.0
11 7	0 20.68	+ 3 6.7	2.140	2.978	12.0	16.2
471940 2013 RY_{27}			10 4.5	29.°70	3.°2/ 1.6	18
8 29	0 59.45	+ 5 43.5	1.029	1.915	19.8	20.3
9 8	0 57.76	+ 3 44.6	0.985	1.928	14.8	20.0
9 18	0 53.19	+ 1 23.2	0.960	1.941	9.2	19.8
9 28	0 46.68	− 1 7.3	0.958	1.956	3.9	19.5
10 8	0 39.57	− 3 29.8	0.980	1.971	5.1	19.7
10 18	0 33.27	− 5 28.8	1.026	1.988	10.3	20.0
10 28	0 28.96	− 6 54.2	1.093	2.006	15.2	20.3
11 7	0 27.35	− 7 43.1	1.180	2.024	19.3	20.7
169430 2002 AH_5			10 4.5	197.°17	0.°2/ 4.7	18
8 29	1 11.00	+ 6 53.2	1.490	2.331	17.2	20.1
9 8	1 6.07	+ 6 42.4	1.416	2.330	13.3	19.9
9 18	0 58.43	+ 6 16.7	1.362	2.329	8.7	19.6
9 28	0 48.81	+ 5 39.3	1.332	2.328	3.6	19.3
10 8	0 38.37	+ 4 56.0	1.328	2.326	1.8	19.2
10 18	0 28.42	+ 4 13.9	1.352	2.324	7.0	19.5
10 28	0 20.22	+ 3 40.0	1.400	2.321	11.9	19.8
11 7	0 14.63	+ 3 19.8	1.471	2.319	16.0	20.0
352366 2007 VO_{216}			10 4.5	359.°20	1.°1/ 5.4	18
8 29	1 4.70	+ 9 30.4	1.648	2.485	16.0	20.8
9 8	1 1.00	+ 9 15.5	1.573	2.484	12.5	20.6
9 18	0 55.03	+ 8 44.4	1.519	2.484	8.3	20.4
9 28	0 47.41	+ 7 59.9	1.489	2.483	3.8	20.1
10 8	0 39.14	+ 7 7.3	1.486	2.483	1.6	19.9
10 18	0 31.27	+ 6 13.5	1.509	2.484	6.1	20.2
10 28	0 24.87	+ 5 25.6	1.558	2.485	10.5	20.5
11 7	0 20.66	+ 4 49.7	1.630	2.486	14.3	20.7

380003 2013 GD_{45} 10 4.5 228.°41 0.°0/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.09	+ 7 17.4	2.220	3.049	12.7	21.7
9 8	0 59.96	+ 6 48.4	2.137	3.046	9.8	21.5
9 18	0 54.08	+ 6 7.8	2.078	3.043	6.3	21.3
9 28	0 46.98	+ 5 18.7	2.045	3.040	2.6	21.0
10 8	0 39.38	+ 4 25.6	2.040	3.037	1.3	20.9
10 18	0 32.07	+ 3 34.0	2.064	3.034	5.2	21.2
10 28	0 25.83	+ 2 49.0	2.116	3.031	8.8	21.4
11 7	0 21.26	+ 2 14.9	2.192	3.028	11.9	21.6

272424 2005 TK_{117} 10 4.5 125.°57 1.°0/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.76	+10 48.7	1.812	2.633	15.5	21.2
9 8	1 3.00	+10 11.6	1.744	2.646	12.0	21.0
9 18	0 56.11	+ 9 17.5	1.697	2.658	7.9	20.8
9 28	0 47.79	+ 8 10.0	1.676	2.670	3.6	20.6
10 8	0 38.96	+ 6 55.4	1.683	2.681	1.5	20.5
10 18	0 30.65	+ 5 41.0	1.718	2.691	5.7	20.8
10 28	0 23.78	+ 4 34.2	1.781	2.701	9.8	21.0
11 7	0 19.01	+ 3 40.8	1.868	2.711	13.3	21.3

157652 2005 YM_{27} 10 4.5 215.°85 1.°7/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.99	+ 1 11.2	2.354	3.198	11.6	20.3
9 8	0 59.75	+ 0 33.7	2.277	3.196	8.8	20.1
9 18	0 53.88	− 0 10.8	2.223	3.194	5.5	19.9
9 28	0 46.88	− 0 58.3	2.196	3.192	2.4	19.7
10 8	0 39.45	− 1 43.8	2.198	3.189	2.7	19.7
10 18	0 32.31	− 2 22.8	2.229	3.187	5.9	19.9
10 28	0 26.18	− 2 51.3	2.287	3.185	9.1	20.1
11 7	0 21.61	− 3 6.5	2.369	3.182	11.9	20.3

421775 2014 QG_{18} 10 4.5 201.°23 3.°2/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.55	+16 9.4	2.564	3.343	12.6	21.2
9 8	1 1.69	+16 26.9	2.474	3.342	10.2	21.0
9 18	0 55.15	+16 31.0	2.406	3.340	7.5	20.9
9 28	0 47.41	+16 21.9	2.364	3.339	4.8	20.7
10 8	0 39.15	+16 1.2	2.350	3.337	3.2	20.6
10 18	0 31.13	+15 32.0	2.366	3.335	4.7	20.7
10 28	0 24.08	+14 58.7	2.410	3.333	7.4	20.9
11 7	0 18.60	+14 26.0	2.480	3.331	10.1	21.0

160425 2005 JF 10 4.5 86.°73 2.°9/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.06	− 0 30.6	1.503	2.357	16.5	20.2
9 8	1 7.13	− 1 8.0	1.457	2.381	12.4	20.0
9 18	0 58.75	− 1 52.6	1.432	2.405	7.8	19.8
9 28	0 48.80	− 2 37.8	1.433	2.428	3.6	19.7
10 8	0 38.49	− 3 16.6	1.461	2.451	4.1	19.7
10 18	0 29.01	− 3 43.1	1.516	2.474	8.1	20.0
10 28	0 21.40	− 3 53.4	1.596	2.496	12.1	20.3
11 7	0 16.30	− 3 46.2	1.698	2.517	15.5	20.6

172996 Stooke 10 4.5 36.°95 1.°6/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.91	+ 2 18.4	1.600	2.456	15.5	19.8
9 8	1 2.61	+ 1 51.7	1.537	2.462	11.8	19.6
9 18	0 55.99	+ 1 15.0	1.495	2.468	7.5	19.4
9 28	0 47.78	+ 0 33.4	1.478	2.475	3.0	19.1
10 8	0 39.01	− 0 6.8	1.487	2.482	2.9	19.1
10 18	0 30.77	− 0 39.4	1.524	2.489	7.2	19.4
10 28	0 24.09	− 0 59.1	1.585	2.497	11.4	19.7
11 7	0 19.67	− 1 3.1	1.669	2.505	15.0	19.9

261714 2006 AM_{11} 10 4.5 359.°70 27.°5/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.57	−45 22.6	0.814	1.659	27.5	19.0
9 8	1 6.67	−48 24.3	0.815	1.655	27.7	19.0
9 18	0 59.69	−50 28.4	0.827	1.653	28.3	19.0
9 28	0 49.35	−51 19.8	0.849	1.652	29.3	19.1
10 8	0 38.30	−50 53.7	0.879	1.653	30.4	19.2
10 18	0 29.12	−49 14.6	0.918	1.655	31.6	19.4
10 28	0 23.61	−46 33.5	0.964	1.658	32.7	19.5
11 7	0 22.32	−43 5.3	1.017	1.662	33.6	19.6

263225 2008 AX_{51} 10 4.5 6.°57 2.°1/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.70	+ 1 35.9	1.736	2.593	14.5	20.6
9 8	1 0.82	+ 0 55.9	1.667	2.593	10.9	20.4
9 18	0 54.81	+ 0 6.4	1.620	2.593	6.9	20.1
9 28	0 47.31	− 0 47.4	1.598	2.594	3.0	19.9
10 8	0 39.25	− 1 38.6	1.603	2.595	3.2	19.9
10 18	0 31.62	− 2 21.0	1.635	2.597	7.2	20.2
10 28	0 25.37	− 2 49.3	1.693	2.598	11.2	20.4
11 7	0 21.18	− 3 0.5	1.773	2.601	14.6	20.6

127561 2002 YC_{28} 10 4.5 344.°37 2.°4/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.10	+ 2 13.4	1.098	1.984	18.9	19.1
9 8	1 0.03	+ 1 43.3	1.031	1.972	14.5	18.8
9 18	0 54.92	+ 0 58.3	0.982	1.962	9.3	18.4
9 28	0 47.52	+ 0 5.3	0.954	1.952	3.8	18.1
10 8	0 39.11	− 0 46.4	0.949	1.944	4.0	18.1
10 18	0 31.20	− 1 27.0	0.967	1.938	9.5	18.4
10 28	0 25.26	− 1 48.3	1.007	1.932	14.9	18.7
11 7	0 22.26	− 1 46.5	1.065	1.929	19.5	18.9

518495 2005 YU_{229} 10 4.5 224.°88 0.°4/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.11	+ 7 32.8	2.463	3.283	11.9	22.1
9 8	1 0.59	+ 7 18.4	2.375	3.278	9.2	21.9
9 18	0 54.44	+ 6 54.1	2.311	3.273	6.0	21.7
9 28	0 47.13	+ 6 21.9	2.273	3.268	2.6	21.4
10 8	0 39.34	+ 5 45.5	2.265	3.262	1.2	21.3
10 18	0 31.80	+ 5 8.9	2.286	3.257	4.7	21.6
10 28	0 25.23	+ 4 36.6	2.335	3.251	8.0	21.8
11 7	0 20.19	+ 4 12.2	2.410	3.245	11.0	22.0

514697 2006 EP_{51} 10 4.5 276.°61 2.°6/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.62	+ 1 6.1	1.705	2.562	14.7	21.7
9 8	1 1.70	+ 0 14.9	1.624	2.550	11.2	21.5
9 18	0 55.50	− 0 47.2	1.565	2.539	7.1	21.2
9 28	0 47.65	− 1 54.1	1.532	2.527	3.3	21.0
10 8	0 39.06	− 2 58.4	1.525	2.516	3.8	21.0
10 18	0 30.81	− 3 52.4	1.546	2.504	7.9	21.2
10 28	0 23.94	− 4 30.0	1.592	2.493	12.1	21.4
11 7	0 19.22	− 4 47.8	1.660	2.481	15.7	21.6

257339 2009 JZ_{12} 10 4.5 49.°55 5.°3/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.07	− 4 21.2	1.178	2.058	18.3	20.1
9 8	1 5.52	− 5 11.9	1.135	2.071	13.9	19.8
9 18	0 58.03	− 6 7.3	1.110	2.085	9.2	19.6
9 28	0 48.60	− 6 57.9	1.109	2.100	5.6	19.5
10 8	0 38.63	− 7 34.4	1.132	2.115	6.6	19.6
10 18	0 29.58	− 7 50.2	1.179	2.130	10.7	19.9
10 28	0 22.69	− 7 42.3	1.248	2.146	14.9	20.2
11 7	0 18.67	− 7 11.4	1.336	2.162	18.6	20.5

439285 2012 UN_{90} 10 4.5 267.°34 2.°7/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.82	+15 6.5	1.889	2.696	15.5	21.3
9 8	1 1.03	+14 47.3	1.794	2.682	12.4	21.1
9 18	0 55.06	+14 8.2	1.719	2.668	8.8	20.8
9 28	0 47.48	+13 10.2	1.669	2.654	5.0	20.6
10 8	0 39.14	+11 57.8	1.646	2.640	2.7	20.4
10 18	0 31.04	+10 37.4	1.650	2.626	5.6	20.5
10 28	0 24.21	+ 9 17.4	1.682	2.611	9.7	20.7
11 7	0 19.40	+ 8 5.8	1.739	2.596	13.4	21.0

339292 2004 XA_{41} 10 4.5 279.°59 1.°6/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.64	+10 48.1	1.826	2.649	15.3	21.0
9 8	1 2.54	+10 39.0	1.727	2.629	12.1	20.7
9 18	0 56.13	+10 13.8	1.649	2.608	8.3	20.4
9 28	0 47.95	+ 9 33.8	1.596	2.587	4.1	20.1
10 8	0 38.88	+ 8 43.3	1.569	2.566	1.9	20.0
10 18	0 29.98	+ 7 48.0	1.571	2.545	6.0	20.2
10 28	0 22.35	+ 6 55.4	1.599	2.524	10.4	20.4
11 7	0 16.85	+ 6 12.0	1.651	2.503	14.3	20.6

506483 2003 SX_{217} 10 4.5 358.°24 16.°3/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 38.98	−30 40.4	0.963	1.798	24.9	19.3
9 8	1 28.85	−30 16.3	0.908	1.791	21.9	19.1
9 18	1 13.56	−29 14.3	0.868	1.787	18.8	18.9
9 28	0 54.83	−27 18.3	0.848	1.785	16.6	18.8
10 8	0 35.42	−24 22.8	0.851	1.785	16.6	18.8
10 18	0 18.17	−20 37.2	0.878	1.787	18.8	18.9
10 28	0 5.15	−16 21.2	0.928	1.790	22.1	19.2
11 7	23 57.14	−11 55.8	0.999	1.796	25.4	19.4

279712 2011 GY_{46} 10 4.5 13.°52 5.°0/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 15.62	− 9 55.9	0.774	1.674	23.1	17.1
9 8	1 10.68	− 8 35.6	0.741	1.686	17.9	16.8
9 18	1 1.67	− 7 6.3	0.723	1.702	11.9	16.6
9 28	0 50.05	− 5 25.0	0.726	1.721	6.3	16.4
10 8	0 37.95	− 3 32.4	0.750	1.742	5.9	16.4
10 18	0 27.44	− 1 32.5	0.796	1.767	10.9	16.8
10 28	0 20.11	+ 0 30.5	0.863	1.794	16.1	17.2
11 7	0 16.67	+ 2 33.5	0.949	1.824	20.4	17.6

144974 2005 EH_{125} 10 4.5 339.°27 1.°6/ 3.2 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.62	+ 6 2.5	1.221	2.092	18.4	19.8
9 8	1 0.12	+ 4 59.4	1.153	2.086	14.1	19.5
9 18	0 54.81	+ 3 35.4	1.104	2.080	9.0	19.2
9 28	0 47.44	+ 1 57.7	1.078	2.075	3.5	18.9
10 8	0 39.20	+ 0 17.5	1.076	2.071	3.3	18.9
10 18	0 31.48	− 1 12.9	1.098	2.068	8.8	19.2
10 28	0 25.59	− 2 23.0	1.144	2.064	14.0	19.5
11 7	0 22.39	− 3 6.7	1.210	2.062	18.4	19.7

433280 2013 AU_{130} 10 4.5 135.°24 2.°9/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 57.01	− 9 59.8	4.454	5.304	6.4	20.7
9 8	0 53.77	−10 43.3	4.388	5.306	4.9	20.6
9 18	0 49.73	−11 26.2	4.349	5.308	3.6	20.5
9 28	0 45.18	−12 5.7	4.338	5.310	2.9	20.4
10 8	0 40.44	−12 39.2	4.356	5.312	3.5	20.5
10 18	0 35.84	−13 4.7	4.404	5.313	4.8	20.6
10 28	0 31.73	−13 20.6	4.479	5.315	6.3	20.7
11 7	0 28.39	−13 26.2	4.578	5.317	7.7	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3078 Horrocks			10	4.5	199.°66	1.°1/ 3.2 18
	h m	° ′			°	m
8 29	1 5.05	+ 2 15.7	2.632	3.466	10.8	17.0
9 8	1 0.39	+ 1 51.9	2.550	3.463	8.2	16.8
9 18	0 54.23	+ 1 21.7	2.492	3.461	5.2	16.6
9 28	0 47.04	+ 0 48.1	2.462	3.458	2.1	16.4
10 8	0 39.44	+ 0 14.9	2.461	3.455	2.0	16.4
10 18	0 32.09	− 0 14.0	2.490	3.452	5.1	16.6
10 28	0 25.66	− 0 35.3	2.547	3.449	8.1	16.8
11 7	0 20.66	− 0 46.4	2.630	3.445	10.7	17.0
86664 2000 FS_9			10	4.5	26.°72	0.°4/ 4.2 18
8 29	1 5.99	+ 5 32.8	1.116	1.988	19.7	18.9
9 8	1 2.65	+ 5 18.7	1.067	2.000	15.0	18.7
9 18	0 56.33	+ 4 48.2	1.037	2.012	9.6	18.4
9 28	0 47.98	+ 4 6.5	1.028	2.026	3.8	18.1
10 8	0 38.98	+ 3 21.8	1.043	2.041	2.3	18.1
10 18	0 30.80	+ 2 42.6	1.082	2.056	8.0	18.5
10 28	0 24.73	+ 2 16.4	1.143	2.073	13.1	18.8
11 7	0 21.52	+ 2 7.5	1.225	2.091	17.3	19.2
487214 2014 OZ_{380}			10	4.5	30.°25	3.°9/30.3 17
8 29	1 1.96	− 2 53.5	1.872	2.738	13.2	20.8
9 8	0 58.52	− 4 6.7	1.814	2.745	9.9	20.6
9 18	0 53.21	− 5 25.6	1.779	2.753	6.5	20.4
9 28	0 46.65	− 6 43.1	1.771	2.761	4.0	20.3
10 8	0 39.66	− 7 51.7	1.790	2.769	5.1	20.4
10 18	0 33.11	− 8 45.0	1.835	2.778	8.2	20.6
10 28	0 27.81	− 9 18.8	1.906	2.787	11.4	20.8
11 7	0 24.32	− 9 31.7	1.998	2.796	14.3	21.0
210453 2673 T_{-3}			10	4.5	341.°85	0.°6/ 4.9 18
8 29	0 59.81	+ 8 17.7	1.140	2.013	19.3	19.5
9 8	0 58.27	+ 8 2.8	1.065	1.997	15.1	19.2
9 18	0 53.82	+ 7 26.7	1.009	1.983	10.0	18.9
9 28	0 47.11	+ 6 32.8	0.973	1.970	4.3	18.5
10 8	0 39.36	+ 5 28.8	0.961	1.959	2.0	18.3
10 18	0 31.99	+ 4 24.7	0.971	1.949	8.0	18.6
10 28	0 26.48	+ 3 31.5	1.003	1.940	13.6	18.9
11 7	0 23.81	+ 2 57.0	1.055	1.934	18.4	19.2
226513 2003 UP_{27}			10	4.5	308.°81	3.°3/ 1.2 18
8 29	1 3.74	− 3 3.4	2.100	2.958	12.3	19.6
9 8	0 59.87	− 3 44.9	2.015	2.942	9.3	19.4
9 18	0 54.14	− 4 31.6	1.954	2.926	6.1	19.2
9 28	0 47.07	− 5 18.2	1.919	2.910	3.5	19.0
10 8	0 39.42	− 5 59.1	1.911	2.895	4.3	19.0
10 18	0 32.02	− 6 29.1	1.931	2.880	7.4	19.2
10 28	0 25.71	− 6 44.1	1.978	2.865	10.8	19.3
11 7	0 21.13	− 6 42.3	2.046	2.850	13.8	19.5
50169 2000 AK_{157}			10	4.5	124.°11	1.°8/ 2.9 18
8 29	1 10.50	+ 2 23.4	1.770	2.613	14.9	19.5
9 8	1 5.05	+ 1 43.6	1.709	2.627	11.2	19.3
9 18	0 57.42	+ 0 54.3	1.671	2.641	7.1	19.0
9 28	0 48.34	+ 0 0.6	1.659	2.655	2.9	18.8
10 8	0 38.80	− 0 50.9	1.674	2.668	2.9	18.9
10 18	0 29.83	− 1 34.1	1.719	2.680	7.0	19.1
10 28	0 22.40	− 2 3.9	1.789	2.692	10.9	19.4
11 7	0 17.14	− 2 17.6	1.883	2.703	14.2	19.6
46659 1996 BB_5			10	4.5	62.°34	0.°3/ 4.8 18
8 29	1 9.68	+ 6 30.2	1.673	2.511	15.8	18.8
9 8	1 4.55	+ 6 27.5	1.615	2.527	12.1	18.6
9 18	0 57.15	+ 6 12.7	1.578	2.544	7.9	18.4
9 28	0 48.24	+ 5 48.7	1.566	2.561	3.2	18.1
10 8	0 38.85	+ 5 20.4	1.581	2.579	1.6	18.1
10 18	0 30.07	+ 4 53.1	1.624	2.596	6.1	18.4
10 28	0 22.89	+ 4 32.1	1.693	2.613	10.2	18.7
11 7	0 17.96	+ 4 21.5	1.785	2.631	13.7	18.9
316156 2009 UW_4			10	4.5	357.°37	0.°4/ 3.8 18
8 29	0 59.27	+ 3 26.5	3.870	4.696	7.8	20.4
9 8	0 55.59	+ 3 14.3	3.786	4.696	5.9	20.2
9 18	0 50.96	+ 2 57.6	3.728	4.695	3.7	20.1
9 28	0 45.70	+ 2 38.2	3.698	4.695	1.5	19.9
10 8	0 40.19	+ 2 18.3	3.698	4.694	1.1	19.9
10 18	0 34.83	+ 2 0.1	3.729	4.694	3.4	20.0
10 28	0 30.04	+ 1 45.9	3.788	4.694	5.5	20.2
11 7	0 26.16	+ 1 37.4	3.874	4.694	7.5	20.3
314240 2005 QO_{46}			10	4.5	131.°92	1.°6/ 2.8 18
8 29	1 4.86	+ 2 10.4	2.072	2.918	12.9	20.5
9 8	1 0.62	+ 1 31.8	1.999	2.919	9.7	20.3
9 18	0 54.54	+ 0 44.7	1.948	2.920	6.2	20.1
9 28	0 47.20	− 0 6.6	1.924	2.921	2.6	19.8
10 8	0 39.38	− 0 56.5	1.929	2.922	2.7	19.8
10 18	0 31.91	− 1 39.5	1.962	2.923	6.3	20.1
10 28	0 25.62	− 2 11.0	2.021	2.924	9.8	20.3
11 7	0 21.09	− 2 28.1	2.104	2.925	12.9	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
443072 2013 GX_{14}			10	4.5	349.°37	0.°9/ 5.3 18
	h m	° ′			°	m
8 29	1 6.37	+ 8 0.1	1.850	2.682	14.7	20.9
9 8	1 2.07	+ 7 59.8	1.771	2.680	11.4	20.7
9 18	0 55.64	+ 7 47.0	1.714	2.678	7.6	20.5
9 28	0 47.69	+ 7 23.9	1.682	2.676	3.4	20.2
10 8	0 39.10	+ 6 54.4	1.677	2.674	1.5	20.1
10 18	0 30.87	+ 6 23.7	1.700	2.673	5.7	20.3
10 28	0 23.97	+ 5 57.2	1.749	2.672	9.7	20.6
11 7	0 19.10	+ 5 39.4	1.822	2.672	13.3	20.8
187423 2005 VR_{114}			10	4.5	303.°52	0.°0/ 4.6 16
8 29	1 1.23	+ 6 25.2	2.878	3.702	10.3	21.2
9 8	0 57.49	+ 6 7.4	2.779	3.686	7.9	21.0
9 18	0 52.40	+ 5 41.4	2.705	3.669	5.1	20.8
9 28	0 46.34	+ 5 9.2	2.658	3.653	2.1	20.6
10 8	0 39.84	+ 4 34.0	2.640	3.637	1.1	20.5
10 18	0 33.49	+ 3 59.3	2.651	3.621	4.2	20.7
10 28	0 27.90	+ 3 28.9	2.692	3.605	7.2	20.9
11 7	0 23.55	+ 3 5.8	2.757	3.590	9.8	21.0
516051 2015 TD_{139}			10	4.5	103.°21	4.°1/29.4 18
8 29	1 2.92	− 6 7.8	2.368	3.226	11.1	21.2
9 8	0 58.87	− 7 17.2	2.309	3.234	8.4	21.0
9 18	0 53.28	− 8 28.8	2.274	3.241	5.7	20.9
9 28	0 46.66	− 9 36.7	2.267	3.249	4.1	20.8
10 8	0 39.70	−10 35.0	2.288	3.257	5.1	20.9
10 18	0 33.09	−11 19.2	2.337	3.265	7.6	21.1
10 28	0 27.50	−11 46.1	2.412	3.272	10.2	21.2
11 7	0 23.43	−11 55.0	2.510	3.279	12.5	21.4
438128 2005 QF_{117}			10	4.5	350.°74	2.°6/ 6.7 18
8 29	1 7.23	+12 1.6	1.840	2.657	15.4	20.9
9 8	1 2.81	+12 20.2	1.759	2.654	12.3	20.7
9 18	0 56.18	+12 24.2	1.699	2.652	8.6	20.5
9 28	0 47.93	+12 14.1	1.663	2.650	4.7	20.2
10 8	0 38.99	+11 52.6	1.654	2.649	2.7	20.1
10 18	0 30.39	+11 24.2	1.673	2.648	5.7	20.3
10 28	0 23.15	+10 54.7	1.719	2.647	9.5	20.5
11 7	0 18.01	+10 29.8	1.788	2.647	13.1	20.7
486217 2013 AD_{97}			10	4.5	75.°56	3.°6/30.9 18
8 29	1 4.88	− 2 32.0	1.880	2.740	13.4	20.6
9 8	1 0.77	− 3 32.8	1.815	2.743	10.1	20.4
9 18	0 54.70	− 4 39.5	1.774	2.747	6.6	20.2
9 28	0 47.28	− 5 45.7	1.759	2.750	3.8	20.1
10 8	0 39.38	− 6 44.3	1.772	2.754	4.7	20.1
10 18	0 31.91	− 7 29.2	1.811	2.758	8.0	20.4
10 28	0 25.74	− 7 56.1	1.877	2.761	11.4	20.6
11 7	0 21.47	− 8 3.4	1.964	2.765	14.4	20.8
449232 2013 CN_{134}			10	4.5	264.°07	4.°5/ 7.7 18
8 29	1 15.61	+15 29.3	2.090	2.868	15.1	20.5
9 8	1 9.27	+16 27.6	1.987	2.853	12.4	20.3
9 18	1 0.48	+17 13.6	1.906	2.837	9.3	20.1
9 28	0 49.75	+17 44.9	1.850	2.822	6.1	19.9
10 8	0 38.00	+18 1.0	1.823	2.806	4.5	19.7
10 18	0 26.32	+18 3.5	1.825	2.790	6.3	19.8
10 28	0 15.90	+17 56.6	1.856	2.774	9.6	20.0
11 7	0 7.64	+17 45.9	1.912	2.757	12.9	20.2
300626 2007 UR_{37}			10	4.5	296.°18	0.°9/ 3.5 18
8 29	1 1.63	+ 9 10.7	1.796	2.635	14.8	20.5
9 8	0 58.52	+ 7 33.7	1.714	2.630	11.3	20.3
9 18	0 53.38	+ 5 36.1	1.655	2.625	7.2	20.0
9 28	0 46.80	+ 3 24.2	1.622	2.620	2.7	19.7
10 8	0 39.64	+ 1 7.8	1.619	2.614	2.3	19.7
10 18	0 32.82	− 1 2.0	1.644	2.609	6.8	20.0
10 28	0 27.27	− 2 55.4	1.697	2.604	11.0	20.2
11 7	0 23.66	− 4 25.5	1.773	2.600	14.6	20.4
114847 2003 PS_3			10	4.5	18.°29	1.°2/ 3.6 18
8 29	1 3.98	+ 4 57.4	1.412	2.274	16.9	19.4
9 8	1 0.70	+ 4 17.7	1.350	2.278	12.8	19.2
9 18	0 54.94	+ 3 23.2	1.308	2.283	8.2	18.9
9 28	0 47.44	+ 2 19.6	1.290	2.288	3.2	18.7
10 8	0 39.32	+ 1 15.0	1.298	2.294	2.6	18.6
10 18	0 31.75	+ 0 17.9	1.331	2.300	7.5	19.0
10 28	0 25.83	− 0 24.5	1.388	2.307	12.1	19.3
11 7	0 22.31	− 0 47.9	1.467	2.315	16.0	19.5
109645 2001 RD_3			10	4.5	109.°40	4.°7/ 8.9 18
8 29	1 7.58	+19 13.5	1.659	2.451	17.9	19.8
9 8	1 3.29	+19 14.8	1.585	2.458	14.6	19.6
9 18	0 56.57	+18 52.5	1.529	2.464	10.9	19.4
9 28	0 48.11	+18 6.4	1.497	2.471	7.1	19.2
10 8	0 38.96	+17 0.4	1.490	2.477	4.7	19.0
10 18	0 30.30	+15 41.3	1.511	2.483	6.4	19.2
10 28	0 23.23	+14 18.6	1.557	2.489	10.0	19.4
11 7	0 18.52	+13 1.7	1.628	2.495	13.7	19.6

184891 2005 UM_{237} 10 4.5 11.°73 3.°1/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.00	− 1 41.7	1.884	2.744	13.4	20.2
9 8	1 0.12	− 2 30.0	1.817	2.745	10.1	20.0
9 18	0 54.30	− 3 24.6	1.773	2.746	6.5	19.8
9 28	0 47.14	− 4 19.7	1.755	2.748	3.5	19.7
10 8	0 39.49	− 5 8.8	1.764	2.750	4.2	19.7
10 18	0 32.24	− 5 46.1	1.801	2.752	7.6	19.9
10 28	0 26.26	− 6 7.4	1.863	2.755	11.1	20.1
11 7	0 22.16	− 6 10.9	1.947	2.758	14.1	20.4

34890 2001 VS_{62} 10 4.5 109.°66 2.°5/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.71	+13 41.0	1.710	2.525	16.5	18.8
9 8	1 3.21	+13 28.1	1.639	2.533	13.1	18.6
9 18	0 56.41	+12 56.0	1.589	2.542	9.1	18.3
9 28	0 48.02	+12 6.7	1.562	2.550	4.9	18.1
10 8	0 39.02	+11 5.1	1.562	2.558	2.5	18.0
10 18	0 30.52	+ 9 58.1	1.590	2.565	5.8	18.2
10 28	0 23.53	+ 8 53.8	1.645	2.573	9.9	18.5
11 7	0 18.77	+ 7 59.3	1.723	2.580	13.6	18.7

73849 1996 TF_{18} 10 4.5 194.°36 1.°0/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.36	+ 3 38.5	1.654	2.497	15.7	20.4
9 8	1 6.10	+ 3 18.6	1.579	2.496	12.1	20.2
9 18	0 58.36	+ 2 47.5	1.524	2.494	7.7	20.0
9 28	0 48.83	+ 2 9.5	1.495	2.492	3.0	19.7
10 8	0 38.58	+ 1 30.4	1.494	2.490	2.4	19.6
10 18	0 28.78	+ 0 56.5	1.520	2.487	7.1	19.9
10 28	0 20.57	+ 0 33.4	1.572	2.484	11.5	20.2
11 7	0 14.74	+ 0 24.9	1.647	2.480	15.3	20.4

514915 2008 TO_{38} 10 4.5 281.°25 2.°2/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.27	+12 25.4	1.787	2.606	15.7	22.0
9 8	1 2.35	+12 16.0	1.687	2.585	12.6	21.7
9 18	0 56.08	+11 48.6	1.608	2.564	8.7	21.5
9 28	0 47.99	+11 4.3	1.553	2.542	4.6	21.2
10 8	0 38.98	+10 7.0	1.524	2.520	2.3	21.0
10 18	0 30.13	+ 9 3.0	1.523	2.498	6.0	21.2
10 28	0 22.58	+ 8 0.4	1.549	2.476	10.4	21.4
11 7	0 17.19	+ 7 6.5	1.598	2.454	14.5	21.6

136151 2003 TM_{2} 10 4.5 40.°08 8.°1/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.70	−10 9.4	1.095	1.982	18.9	18.7
9 8	1 6.17	−11 10.5	1.058	1.995	14.6	18.5
9 18	0 58.53	−12 8.7	1.039	2.009	10.5	18.4
9 28	0 48.85	−12 52.5	1.043	2.023	8.2	18.3
10 8	0 38.66	−13 12.5	1.069	2.038	9.4	18.4
10 18	0 29.53	−13 3.8	1.118	2.054	12.9	18.7
10 28	0 22.72	−12 26.3	1.188	2.071	16.7	18.9
11 7	0 18.94	−11 23.8	1.276	2.088	20.1	19.2

279758 1999 CL_{137} 10 4.5 191.°71 0.°2/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.06	+ 7 50.7	2.001	2.826	14.1	22.1
9 8	1 3.20	+ 7 21.6	1.919	2.825	10.9	21.9
9 18	0 56.31	+ 6 39.2	1.859	2.824	7.1	21.6
9 28	0 47.97	+ 5 46.7	1.826	2.821	2.9	21.4
10 8	0 39.05	+ 4 49.2	1.821	2.818	1.4	21.2
10 18	0 30.46	+ 3 52.8	1.845	2.815	5.7	21.5
10 28	0 23.15	+ 3 3.7	1.896	2.811	9.6	21.8
11 7	0 17.77	+ 2 26.5	1.972	2.807	13.0	22.0

327552 2006 CO_{10} 10 4.5 232.°42 0.°2/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.91	+ 5 10.2	2.711	3.532	10.9	21.9
9 8	1 1.10	+ 4 58.1	2.617	3.523	8.3	21.7
9 18	0 54.75	+ 4 38.4	2.548	3.513	5.4	21.5
9 28	0 47.32	+ 4 13.2	2.507	3.503	2.1	21.3
10 8	0 39.42	+ 3 45.7	2.495	3.492	1.3	21.2
10 18	0 31.72	+ 3 19.5	2.514	3.482	4.6	21.4
10 28	0 24.89	+ 2 58.1	2.561	3.471	7.7	21.6
11 7	0 19.47	+ 2 44.5	2.634	3.459	10.4	21.8

265198 2004 BJ_{61} 10 4.5 254.°92 2.°5/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.44	+ 1 16.5	1.571	2.428	15.8	21.1
9 8	1 4.07	+ 0 33.6	1.492	2.418	12.0	20.8
9 18	0 57.18	− 0 20.4	1.434	2.408	7.7	20.5
9 28	0 48.42	− 1 19.7	1.401	2.397	3.4	20.3
10 8	0 38.83	− 2 16.6	1.395	2.387	3.8	20.3
10 18	0 29.62	− 3 3.4	1.415	2.376	8.2	20.5
10 28	0 21.97	− 3 33.8	1.460	2.365	12.7	20.7
11 7	0 16.71	− 3 44.2	1.527	2.354	16.6	21.0

133093 2003 NP 10 4.5 32.°79 6.°9/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.58	+19 10.2	1.076	1.905	23.2	19.2
9 8	1 4.30	+19 53.2	1.024	1.917	19.1	18.9
9 18	0 57.69	+20 5.9	0.987	1.929	14.5	18.7
9 28	0 48.67	+19 46.1	0.969	1.943	9.8	18.5
10 8	0 38.77	+18 57.3	0.972	1.958	6.9	18.4
10 18	0 29.70	+17 48.2	0.999	1.973	8.6	18.6
10 28	0 22.97	+16 31.6	1.048	1.989	12.7	18.8
11 7	0 19.47	+15 20.5	1.117	2.006	16.9	19.2

70954 1999 XK_{2} 10 4.5 156.°27 0.°9/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.69	+ 3 30.3	2.735	3.566	10.5	19.9
9 8	0 59.30	+ 2 55.2	2.659	3.571	8.0	19.7
9 18	0 53.52	+ 2 12.9	2.607	3.576	5.0	19.6
9 28	0 46.81	+ 1 26.6	2.583	3.580	2.0	19.4
10 8	0 39.75	+ 0 40.4	2.589	3.584	1.8	19.4
10 18	0 32.96	− 0 1.8	2.625	3.588	4.8	19.6
10 28	0 27.05	− 0 36.2	2.689	3.591	7.7	19.8
11 7	0 22.49	− 1 0.1	2.779	3.594	10.2	20.0

265077 2003 SE_{154} 10 4.5 310.°31 7.°4/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.22	−12 0.9	2.015	2.887	12.1	19.3
9 8	0 57.38	−14 17.8	1.941	2.867	9.7	19.1
9 18	0 52.67	−16 37.3	1.893	2.846	7.8	18.9
9 28	0 46.58	−18 48.9	1.872	2.826	7.6	18.9
10 8	0 39.86	−20 42.6	1.878	2.806	9.2	18.9
10 18	0 33.35	−22 10.3	1.911	2.787	11.8	19.0
10 28	0 27.93	−23 7.7	1.966	2.768	14.4	19.2
11 7	0 24.27	−23 34.5	2.039	2.749	16.8	19.3

283905 2004 EB_{42} 10 4.5 182.°05 0.°7/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.89	+ 9 12.6	1.901	2.723	14.8	21.6
9 8	1 3.95	+ 8 46.1	1.820	2.724	11.5	21.4
9 18	0 56.86	+ 8 4.7	1.762	2.724	7.6	21.2
9 28	0 48.24	+ 7 11.4	1.730	2.724	3.3	20.9
10 8	0 39.01	+ 6 11.4	1.726	2.723	1.4	20.8
10 18	0 30.16	+ 5 11.2	1.750	2.722	5.8	21.0
10 28	0 22.66	+ 4 17.5	1.802	2.720	9.8	21.3
11 7	0 17.22	+ 3 35.6	1.878	2.718	13.4	21.5

77247 2001 FC_{44} 10 4.5 189.°71 0.°5/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.42	+ 5 21.1	1.859	2.691	14.7	20.6
9 8	1 5.15	+ 4 54.2	1.779	2.691	11.3	20.4
9 18	0 57.66	+ 4 15.3	1.722	2.690	7.2	20.2
9 28	0 48.58	+ 3 28.2	1.691	2.688	2.8	19.9
10 8	0 38.84	+ 2 38.5	1.688	2.685	1.9	19.8
10 18	0 29.50	+ 1 52.3	1.714	2.682	6.3	20.1
10 28	0 21.56	+ 1 15.4	1.767	2.678	10.5	20.3
11 7	0 15.75	+ 0 52.1	1.844	2.673	14.0	20.6

343290 2010 AU_{63} 10 4.5 149.°98 6.°1/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.76	− 8 43.6	1.788	2.654	13.7	20.1
9 8	1 2.33	−10 3.4	1.729	2.656	10.6	19.9
9 18	0 55.78	−11 24.4	1.694	2.659	7.6	19.7
9 28	0 47.79	−12 38.1	1.685	2.661	6.1	19.6
10 8	0 39.28	−13 36.3	1.702	2.663	7.3	19.7
10 18	0 31.26	−14 13.2	1.745	2.665	10.2	19.9
10 28	0 24.66	−14 25.8	1.812	2.667	13.2	20.1
11 7	0 20.12	−14 14.6	1.900	2.669	16.0	20.3

322583 2012 AD_{19} 10 4.5 133.°08 3.°1/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.67	+14 53.3	1.698	2.501	17.1	21.7
9 8	1 6.26	+14 50.1	1.628	2.513	13.6	21.5
9 18	0 58.41	+14 27.1	1.578	2.525	9.6	21.3
9 28	0 48.87	+13 45.5	1.553	2.537	5.5	21.1
10 8	0 38.71	+12 49.6	1.554	2.548	3.1	21.0
10 18	0 29.11	+11 46.0	1.584	2.558	6.0	21.2
10 28	0 21.14	+10 43.0	1.640	2.567	10.0	21.5
11 7	0 15.56	+ 9 48.1	1.721	2.576	13.7	21.7

94316 2001 FY_{63} 10 4.5 290.°65 0.°5/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.06	+ 3 36.1	2.208	3.043	12.6	19.4
9 8	1 2.32	+ 3 30.7	2.121	3.034	9.6	19.2
9 18	0 55.71	+ 3 17.4	2.057	3.025	6.2	19.0
9 28	0 47.78	+ 2 59.2	2.020	3.016	2.4	18.7
10 8	0 39.26	+ 2 39.5	2.011	3.007	1.7	18.6
10 18	0 31.00	+ 2 22.4	2.031	2.999	5.5	18.9
10 28	0 23.84	+ 2 11.7	2.078	2.990	9.1	19.1
11 7	0 18.42	+ 2 10.4	2.151	2.981	12.2	19.3

21429 Gulati 10 4.5 103.°01 4.°9/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.24	+17 11.5	1.571	2.367	18.5	19.0
9 8	1 7.69	+17 40.8	1.505	2.381	15.1	18.8
9 18	0 59.45	+17 48.9	1.458	2.395	11.1	18.6
9 28	0 49.32	+17 34.9	1.434	2.409	7.1	18.4
10 8	0 38.48	+17 1.3	1.436	2.423	4.9	18.3
10 18	0 28.25	+16 13.9	1.465	2.436	6.8	18.5
10 28	0 19.84	+15 21.1	1.520	2.449	10.5	18.7
11 7	0 14.07	+14 31.3	1.599	2.461	14.1	19.0

124759 2001 SP_{228} 10 4.5 268.°09 1.°4/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.56	+ 3 34.3	1.683	2.531	15.2	20.3
9 8	1 3.32	+ 3 1.2	1.597	2.518	11.7	20.0
9 18	0 56.68	+ 2 15.9	1.533	2.504	7.5	19.8
9 28	0 48.25	+ 1 22.9	1.493	2.490	3.0	19.5
10 8	0 39.00	+ 0 28.7	1.481	2.476	2.7	19.4
10 18	0 30.05	− 0 19.6	1.496	2.462	7.3	19.7
10 28	0 22.52	− 0 55.4	1.537	2.448	11.7	19.9
11 7	0 17.23	− 1 14.3	1.600	2.433	15.6	20.1

181188 2005 SL_{109} 10 4.5 147.°82 0.°1/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.29	+ 6 56.8	2.164	2.993	13.0	20.9
9 8	1 0.93	+ 6 34.9	2.086	2.994	10.0	20.7
9 18	0 54.78	+ 6 1.9	2.030	2.995	6.5	20.5
9 28	0 47.38	+ 5 20.8	2.001	2.997	2.6	20.3
10 8	0 39.49	+ 4 36.0	2.000	2.998	1.3	20.2
10 18	0 31.93	+ 3 52.5	2.028	2.999	5.2	20.5
10 28	0 25.49	+ 3 15.4	2.084	3.000	8.8	20.7
11 7	0 20.78	+ 2 48.6	2.164	3.001	12.0	20.9

434306 2004 FO_{29} 10 4.5 115.°17 1.°0/ 3.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.55	+ 3 51.7	1.759	2.597	15.2	21.9
9 8	1 5.89	+ 3 26.1	1.699	2.614	11.5	21.7
9 18	0 58.02	+ 2 50.2	1.660	2.629	7.3	21.5
9 28	0 48.67	+ 2 8.3	1.648	2.645	2.8	21.3
10 8	0 38.86	+ 1 26.3	1.664	2.659	2.2	21.3
10 18	0 29.64	+ 0 49.8	1.708	2.674	6.5	21.6
10 28	0 21.99	+ 0 24.0	1.778	2.687	10.5	21.9
11 7	0 16.55	+ 0 12.0	1.872	2.700	13.9	22.1

445635 2011 SY_{257} 10 4.6 36.°02 0.°0/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.66	+ 6 13.7	1.700	2.543	15.4	21.3
9 8	1 2.39	+ 5 58.7	1.632	2.548	11.8	21.1
9 18	0 55.90	+ 5 31.2	1.585	2.553	7.6	20.9
9 28	0 47.87	+ 4 54.6	1.563	2.559	3.1	20.6
10 8	0 39.26	+ 4 14.3	1.568	2.565	1.6	20.5
10 18	0 31.12	+ 3 36.2	1.600	2.572	6.2	20.9
10 28	0 24.45	+ 3 6.2	1.658	2.579	10.4	21.1
11 7	0 19.92	+ 2 48.6	1.740	2.586	14.0	21.4

422220 2014 RJ_{61} 10 4.6 45.°52 0.°9/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.37	+ 7 21.9	2.086	2.910	13.6	20.3
9 8	1 3.29	+ 7 33.6	2.015	2.919	10.5	20.1
9 18	0 56.29	+ 7 35.4	1.967	2.929	7.0	19.9
9 28	0 47.99	+ 7 28.8	1.945	2.939	3.1	19.7
10 8	0 39.20	+ 7 16.9	1.951	2.948	1.4	19.6
10 18	0 30.82	+ 7 3.4	1.986	2.959	5.1	19.9
10 28	0 23.69	+ 6 52.5	2.049	2.969	8.7	20.1
11 7	0 18.42	+ 6 47.6	2.136	2.980	11.8	20.3

261552 2005 WY_{150} 10 4.6 256.°91 4.°4/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.53	+20 36.8	2.307	3.073	14.2	20.6
9 8	1 0.47	+20 42.6	2.214	3.068	11.8	20.4
9 18	0 54.56	+20 30.2	2.142	3.062	9.0	20.2
9 28	0 47.34	+19 59.3	2.094	3.057	6.2	20.0
10 8	0 39.52	+19 11.7	2.072	3.052	4.5	19.9
10 18	0 31.95	+18 11.8	2.079	3.047	5.4	20.0
10 28	0 25.45	+17 5.6	2.114	3.041	8.1	20.1
11 7	0 20.67	+15 59.9	2.175	3.036	11.0	20.3

517085 2013 CU_{125} 10 4.6 196.°48 4.°3/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.11	+19 42.9	2.198	2.969	14.7	22.2
9 8	1 1.72	+19 49.4	2.109	2.968	12.1	22.0
9 18	0 55.39	+19 37.6	2.041	2.967	9.1	21.8
9 28	0 47.68	+19 7.0	1.998	2.965	6.2	21.6
10 8	0 39.36	+18 20.0	1.982	2.964	4.4	21.5
10 18	0 31.33	+17 20.9	1.993	2.962	5.5	21.6
10 28	0 24.46	+16 16.3	2.033	2.960	8.4	21.8
11 7	0 19.42	+15 13.1	2.098	2.958	11.4	22.0

254556 2005 EH_{280} 10 4.6 210.°75 3.°3/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.86	− 1 0.8	1.724	2.577	14.7	21.0
9 8	1 4.90	− 1 54.7	1.647	2.571	11.2	20.7
9 18	0 57.60	− 2 57.1	1.594	2.566	7.2	20.5
9 28	0 48.60	− 4 1.5	1.566	2.559	3.8	20.3
10 8	0 38.89	− 5 0.3	1.566	2.552	4.5	20.3
10 18	0 29.60	− 5 46.4	1.593	2.545	8.4	20.5
10 28	0 21.78	− 6 14.4	1.646	2.537	12.3	20.7
11 7	0 16.20	− 6 22.1	1.720	2.528	15.8	21.0

365790 2011 AK_{21} 10 4.6 9.°18 8.°8/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.36	−18 55.2	1.947	2.811	12.8	20.0
9 8	0 59.65	−20 26.4	1.901	2.812	10.7	19.9
9 18	0 54.02	−21 49.8	1.878	2.814	9.2	19.8
9 28	0 47.08	−22 56.6	1.880	2.816	8.9	19.8
10 8	0 39.72	−23 39.9	1.907	2.819	10.1	19.9
10 18	0 32.82	−23 56.0	1.958	2.822	12.1	20.0
10 28	0 27.22	−23 44.2	2.030	2.825	14.3	20.2
11 7	0 23.50	−23 6.8	2.121	2.829	16.3	20.4

213727 2002 VF_{92} 10 4.6 287.°40 0.°5/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.41	+ 8 59.4	1.898	2.730	14.5	20.7
9 8	1 0.61	+ 8 29.9	1.815	2.724	11.2	20.5
9 18	0 54.76	+ 7 45.3	1.753	2.717	7.4	20.2
9 28	0 47.45	+ 6 48.9	1.716	2.711	3.2	20.0
10 8	0 39.51	+ 5 45.9	1.707	2.705	1.4	19.8
10 18	0 31.88	+ 4 42.9	1.726	2.699	5.7	20.1
10 28	0 25.50	+ 3 46.7	1.772	2.693	9.8	20.3
11 7	0 21.04	+ 3 3.0	1.842	2.687	13.3	20.5

286828 2002 MZ_5 10 4.6 135.°42 3.°0/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.43	+ 0 27.7	1.955	2.808	13.2	20.7
9 8	1 0.40	− 0 52.6	1.889	2.814	9.9	20.5
9 18	0 54.48	− 2 22.2	1.847	2.820	6.3	20.3
9 28	0 47.29	− 3 54.0	1.832	2.825	3.3	20.1
10 8	0 39.63	− 5 20.3	1.845	2.830	4.1	20.2
10 18	0 32.38	− 6 33.8	1.887	2.835	7.5	20.4
10 28	0 26.37	− 7 29.1	1.954	2.840	11.0	20.6
11 7	0 22.19	− 8 3.6	2.045	2.845	13.9	20.8

340300 2006 CT_{40} 10 4.6 176.°62 2.°5/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.09	+ 0 30.7	1.926	2.775	13.6	21.5
9 8	1 2.49	− 0 18.8	1.854	2.776	10.3	21.3
9 18	0 55.88	− 1 16.6	1.805	2.777	6.5	21.1
9 28	0 47.87	− 2 17.3	1.782	2.777	3.1	20.9
10 8	0 39.33	− 3 14.4	1.788	2.778	3.5	20.9
10 18	0 31.18	− 4 1.6	1.822	2.778	7.2	21.1
10 28	0 24.33	− 4 34.0	1.882	2.777	10.8	21.4
11 7	0 19.42	− 4 49.2	1.965	2.777	14.0	21.6

273753 2007 ER_{139} 10 4.6 310.°06 1.°1/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.14	+ 3 41.1	1.378	2.239	17.3	20.4
9 8	1 3.57	+ 3 26.1	1.294	2.221	13.3	20.1
9 18	0 57.17	+ 2 58.0	1.229	2.203	8.7	19.8
9 28	0 48.57	+ 2 20.8	1.188	2.185	3.4	19.4
10 8	0 38.90	+ 1 41.3	1.172	2.168	2.7	19.3
10 18	0 29.51	+ 1 6.9	1.181	2.151	8.1	19.6
10 28	0 21.80	+ 0 45.0	1.214	2.135	13.2	19.8
11 7	0 16.77	+ 0 40.2	1.267	2.120	17.7	20.1

443363 2014 GN_{40} 10 4.6 213.°59 0.°6/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.43	+ 5 9.8	2.159	2.989	13.0	22.1
9 8	1 2.64	+ 4 41.2	2.073	2.984	9.9	21.9
9 18	0 55.95	+ 4 2.1	2.010	2.977	6.4	21.7
9 28	0 47.91	+ 3 15.8	1.974	2.970	2.5	21.4
10 8	0 39.29	+ 2 27.3	1.967	2.963	1.7	21.3
10 18	0 30.96	+ 1 41.8	1.988	2.955	5.7	21.6
10 28	0 23.76	+ 1 4.5	2.038	2.947	9.4	21.8
11 7	0 18.35	+ 0 39.2	2.112	2.938	12.6	22.0

480561 2015 MH_{67} 10 4.6 109.°75 0.°8/ 3.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.62	+ 6 30.1	1.844	2.683	14.5	21.1
9 8	1 1.38	+ 5 30.4	1.779	2.694	11.0	20.9
9 18	0 55.14	+ 4 16.8	1.736	2.706	7.0	20.7
9 28	0 47.55	+ 2 54.7	1.720	2.717	2.7	20.4
10 8	0 39.51	+ 1 31.4	1.732	2.728	2.1	20.4
10 18	0 31.95	+ 0 14.5	1.772	2.738	6.3	20.7
10 28	0 25.73	− 0 49.3	1.839	2.748	10.2	21.0
11 7	0 21.47	− 1 35.7	1.929	2.758	13.5	21.2

19387 1998 DA_2 10 4.6 77.°07 1.°0/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.95	+ 3 43.4	1.342	2.194	18.2	17.7
9 8	1 8.21	+ 3 29.4	1.294	2.215	13.8	17.5
9 18	0 59.71	+ 3 3.4	1.265	2.236	8.8	17.3
9 28	0 49.39	+ 2 30.5	1.260	2.257	3.4	17.0
10 8	0 38.59	+ 1 57.1	1.281	2.278	2.5	17.0
10 18	0 28.66	+ 1 29.9	1.329	2.299	7.6	17.4
10 28	0 20.81	+ 1 14.5	1.402	2.319	12.2	17.7
11 7	0 15.72	+ 1 13.9	1.496	2.339	16.0	18.0

437304 2013 CK_{34} 10 4.6 329.°87 2.°1/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 57.14	− 4 46.3	4.229	5.075	6.8	21.3
9 8	0 53.97	− 5 25.2	4.154	5.074	5.1	21.1
9 18	0 49.96	− 6 5.6	4.105	5.073	3.4	21.0
9 28	0 45.40	− 6 44.8	4.085	5.072	2.2	20.9
10 8	0 40.63	− 7 20.3	4.094	5.071	2.7	21.0
10 18	0 36.00	− 7 49.6	4.134	5.070	4.3	21.1
10 28	0 31.87	− 8 10.8	4.201	5.069	6.0	21.2
11 7	0 28.53	− 8 22.8	4.294	5.067	7.6	21.3

99010 2001 DF_{54} 10 4.6 79.°04 3.°7/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.31	− 1 47.4	2.254	3.110	11.6	18.8
9 8	0 57.82	− 3 38.1	2.189	3.116	8.7	18.7
9 18	0 52.73	− 5 36.1	2.151	3.122	5.7	18.5
9 28	0 46.58	− 7 33.8	2.141	3.128	3.8	18.4
10 8	0 40.04	− 9 23.0	2.160	3.134	4.9	18.5
10 18	0 33.82	−10 56.9	2.209	3.140	7.7	18.7
10 28	0 28.62	−12 10.2	2.284	3.146	10.6	18.9
11 7	0 24.96	−13 0.9	2.383	3.152	13.1	19.0

77052 2001 DN_1 10 4.6 240.°16 2.°6/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.98	+ 2 12.9	1.504	2.363	16.2	19.7
9 8	1 3.00	+ 1 13.6	1.432	2.359	12.3	19.5
9 18	0 56.52	+ 0 1.1	1.381	2.355	7.8	19.2
9 28	0 48.21	− 1 17.8	1.355	2.351	3.5	19.0
10 8	0 39.17	− 2 34.0	1.355	2.347	3.9	19.0
10 18	0 30.57	− 3 38.7	1.382	2.343	8.4	19.2
10 28	0 23.59	− 4 24.6	1.434	2.338	12.9	19.5
11 7	0 19.01	− 4 48.1	1.506	2.333	16.7	19.7

13613 1994 UA_3 10 4.6 306.°15 0.°6/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.57	+ 8 32.2	1.667	2.508	15.7	18.5
9 8	1 1.15	+ 8 13.3	1.575	2.489	12.3	18.2
9 18	0 55.38	+ 7 38.3	1.504	2.471	8.2	17.9
9 28	0 47.80	+ 6 49.8	1.457	2.452	3.6	17.6
10 8	0 39.35	+ 5 53.2	1.436	2.434	1.6	17.4
10 18	0 31.12	+ 4 55.3	1.442	2.416	6.4	17.7
10 28	0 24.25	+ 4 4.2	1.474	2.399	11.1	17.9
11 7	0 19.58	+ 3 26.0	1.528	2.382	15.1	18.1

433417 2013 TM_{53} 10 4.6 131.°81 3.°0/ 7.2 18

8 29	1 8.44	+14 44.2	1.604	2.418	17.5	21.1
9 8	1 4.02	+14 35.5	1.530	2.423	14.0	20.8
9 18	0 57.11	+14 5.8	1.477	2.427	9.9	20.6
9 28	0 48.44	+13 16.3	1.446	2.432	5.5	20.4
10 8	0 39.06	+12 11.9	1.442	2.436	3.0	20.2
10 18	0 30.16	+11 0.1	1.465	2.441	6.2	20.4
10 28	0 22.89	+ 9 49.8	1.514	2.444	10.4	20.7
11 7	0 18.01	+ 8 49.1	1.587	2.448	14.3	21.0

185314 2006 UO_{328} 10 4.6 337.°49 4.°6/ 7.6 18

8 29	1 8.73	+14 20.0	1.303	2.134	19.8	20.3
9 8	1 4.97	+14 58.0	1.227	2.127	16.1	20.1
9 18	0 58.16	+15 15.3	1.169	2.121	11.7	19.8
9 28	0 48.99	+15 10.7	1.133	2.116	7.1	19.5
10 8	0 38.73	+14 46.2	1.120	2.111	4.6	19.4
10 18	0 28.87	+14 7.6	1.132	2.107	7.5	19.5
10 28	0 20.92	+13 23.9	1.167	2.104	12.2	19.8
11 7	0 15.90	+12 44.5	1.224	2.101	16.6	20.0

109251 2001 QY_{102} 10 4.6 71.°16 2.°3/ 2.7 17

8 29	1 9.55	+ 2 9.5	1.420	2.279	17.0	20.3
9 8	1 4.72	+ 1 20.8	1.373	2.300	12.8	20.1
9 18	0 57.40	+ 0 21.3	1.347	2.321	8.0	19.8
9 28	0 48.47	− 0 42.2	1.346	2.342	3.4	19.6
10 8	0 39.11	− 1 41.2	1.370	2.363	3.6	19.7
10 18	0 30.52	− 2 28.3	1.422	2.384	8.0	20.0
10 28	0 23.77	− 2 58.1	1.498	2.405	12.2	20.3
11 7	0 19.50	− 3 8.2	1.595	2.426	15.8	20.6

467263 2016 EW_{181} 10 4.6 44.°79 1.°6/ 5.4 17

8 29	1 13.94	+ 7 17.2	1.073	1.932	21.3	20.1
9 8	1 8.91	+ 7 46.8	1.025	1.947	16.5	19.9
9 18	1 0.52	+ 7 59.6	0.995	1.964	11.0	19.6
9 28	0 49.82	+ 7 57.6	0.986	1.981	4.9	19.4
10 8	0 38.40	+ 7 45.7	1.001	1.999	2.2	19.3
10 18	0 27.98	+ 7 30.5	1.041	2.017	7.8	19.7
10 28	0 20.03	+ 7 19.4	1.103	2.036	13.1	20.0
11 7	0 15.38	+ 7 18.2	1.186	2.055	17.5	20.4

59354 1999 CF_{152} 10 4.6 111.°02 2.°6/ 6.8 18

8 29	1 9.90	+13 2.3	1.751	2.562	16.3	19.9
9 8	1 4.86	+13 3.4	1.681	2.573	12.9	19.7
9 18	0 57.51	+12 47.2	1.632	2.584	9.0	19.5
9 28	0 48.56	+12 15.0	1.607	2.594	4.9	19.3
10 8	0 39.02	+11 30.8	1.609	2.604	2.6	19.2
10 18	0 29.97	+10 40.7	1.640	2.614	5.8	19.4
10 28	0 22.46	+ 9 51.6	1.697	2.624	9.7	19.7
11 7	0 17.20	+ 9 10.1	1.778	2.633	13.3	19.9

154140 2002 EY_{151} 10 4.6 290.°36 1.°8/ 2.5 18

8 29	1 2.41	+ 2 59.5	2.106	2.953	12.6	20.2
9 8	0 58.86	+ 2 1.2	2.025	2.946	9.6	20.0
9 18	0 53.53	+ 0 52.3	1.967	2.940	6.0	19.8
9 28	0 46.95	− 0 22.1	1.936	2.933	2.6	19.5
10 8	0 39.85	− 1 35.7	1.934	2.926	2.8	19.6
10 18	0 33.03	− 2 41.9	1.960	2.920	6.4	19.8
10 28	0 27.29	− 3 35.0	2.013	2.913	10.0	20.0
11 7	0 23.23	− 4 11.4	2.089	2.907	13.0	20.2

506809 2007 PG_{37} 10 4.6 26.°30 6.°5/ 8.7 17

8 29	1 6.76	+16 37.8	0.886	1.742	24.9	20.2
9 8	1 4.09	+17 32.0	0.842	1.754	20.3	20.0
9 18	0 57.75	+17 55.2	0.814	1.769	15.0	19.7
9 28	0 48.79	+17 45.2	0.803	1.785	9.7	19.5
10 8	0 38.93	+17 6.2	0.812	1.802	6.6	19.4
10 18	0 30.08	+16 8.0	0.843	1.821	8.9	19.6
10 28	0 23.88	+15 4.2	0.895	1.841	13.6	20.0
11 7	0 21.20	+14 7.7	0.965	1.862	18.1	20.3

344412 2002 AP_{171} 10 4.6 164.°88 1.°9/ 2.8 18

8 29	1 8.03	+ 1 54.4	1.983	2.826	13.5	21.3
9 8	1 3.14	+ 1 11.8	1.911	2.830	10.2	21.1
9 18	0 56.27	+ 0 20.5	1.863	2.833	6.5	20.9
9 28	0 48.04	− 0 35.0	1.840	2.836	2.8	20.7
10 8	0 39.30	− 1 28.4	1.847	2.839	2.9	20.7
10 18	0 30.96	− 2 14.0	1.881	2.841	6.6	20.9
10 28	0 23.90	− 2 46.9	1.943	2.843	10.3	21.2
11 7	0 18.77	− 3 4.2	2.028	2.844	13.5	21.4

362273 2009 QZ_{12} 10 4.6 28.°35 0.°6/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.22	+ 6 14.0	1.773	2.621	14.6	20.1
9 8	0 58.90	+ 5 28.8	1.710	2.630	11.1	19.9
9 18	0 53.61	+ 4 30.3	1.669	2.640	7.1	19.6
9 28	0 46.98	+ 3 23.4	1.653	2.650	2.7	19.4
10 8	0 39.88	+ 2 14.9	1.665	2.661	1.9	19.4
10 18	0 33.24	+ 1 11.7	1.703	2.673	6.2	19.7
10 28	0 27.91	+ 0 20.3	1.768	2.685	10.1	19.9
11 7	0 24.49	− 0 15.2	1.856	2.697	13.5	20.2

374894 2006 WF_{96} 10 4.6 327.°89 1.°1/ 3.7 18

8 29	0 59.24	+ 6 53.4	1.113	1.993	19.2	20.5
9 8	0 58.01	+ 6 2.9	1.034	1.971	14.9	20.2
9 18	0 53.83	+ 4 48.0	0.973	1.951	9.7	19.8
9 28	0 47.31	+ 3 14.2	0.933	1.931	3.8	19.4
10 8	0 39.64	+ 1 32.6	0.916	1.912	3.0	19.3
10 18	0 32.27	− 0 3.4	0.922	1.895	9.2	19.6
10 28	0 26.74	− 1 20.4	0.949	1.879	15.0	19.9
11 7	0 24.10	− 2 10.0	0.995	1.865	20.1	20.1

472342 2015 AC_{248} 10 4.6 103.°88 8.°1/27.7 17

8 29	1 11.66	−13 2.3	1.590	2.454	15.2	21.3
9 8	1 6.10	−14 33.0	1.553	2.473	12.0	21.1
9 18	0 58.19	−15 58.8	1.538	2.492	9.2	21.0
9 28	0 48.77	−17 9.7	1.548	2.511	8.1	21.0
10 8	0 39.00	−17 57.3	1.584	2.529	9.3	21.1
10 18	0 30.00	−18 17.1	1.645	2.546	11.9	21.3
10 28	0 22.79	−18 8.6	1.728	2.563	14.7	21.6
11 7	0 17.96	−17 34.7	1.831	2.579	17.2	21.8

180066 2003 BN_{79} 10 4.6 279.°63 2.°7/ 2.0 18

8 29	1 6.17	− 1 5.9	1.987	2.839	13.1	20.2
9 8	1 1.82	− 1 42.6	1.908	2.832	9.9	20.0
9 18	0 55.50	− 2 25.7	1.853	2.825	6.4	19.8
9 28	0 47.77	− 3 10.2	1.823	2.817	3.2	19.6
10 8	0 39.46	− 3 50.5	1.822	2.810	3.7	19.6
10 18	0 31.47	− 4 21.2	1.848	2.803	7.2	19.8
10 28	0 24.69	− 4 38.0	1.900	2.796	10.7	20.0
11 7	0 19.79	− 4 38.8	1.976	2.788	13.9	20.2

187583 2006 WM_{51} 10 4.6 158.°15 2.°4/ 2.5 18

8 29	1 10.38	+ 0 28.2	1.701	2.551	15.1	20.7
9 8	1 5.24	− 0 8.9	1.633	2.555	11.4	20.5
9 18	0 57.77	− 0 54.4	1.587	2.559	7.3	20.3
9 28	0 48.68	− 1 42.9	1.567	2.562	3.3	20.0
10 8	0 39.00	− 2 27.7	1.574	2.565	3.6	20.1
10 18	0 29.82	− 3 2.5	1.608	2.568	7.6	20.3
10 28	0 22.18	− 3 22.6	1.669	2.570	11.6	20.6
11 7	0 16.80	− 3 25.5	1.752	2.572	15.1	20.8

281232 2007 JQ_{21} 10 4.6 21.°39 0.°7/ 4.1 18

8 29	1 3.04	+ 5 0.8	0.907	1.798	21.5	19.1
9 8	1 0.75	+ 4 48.7	0.875	1.817	16.3	18.9
9 18	0 55.26	+ 4 19.2	0.859	1.838	10.3	18.7
9 28	0 47.68	+ 3 38.9	0.864	1.862	4.0	18.4
10 8	0 39.59	+ 2 57.3	0.890	1.888	2.5	18.4
10 18	0 32.54	+ 2 23.3	0.939	1.916	8.4	18.9
10 28	0 27.80	+ 2 4.3	1.009	1.945	13.7	19.3
11 7	0 26.03	+ 2 4.0	1.098	1.976	18.0	19.6

407101 2009 SL_{284} 10 4.6 41.°96 6.°8/12.9 17

8 29	1 3.48	+27 43.5	1.936	2.675	17.4	20.7
9 8	0 59.94	+27 49.2	1.868	2.692	14.9	20.5
9 18	0 54.31	+27 28.8	1.818	2.710	12.0	20.4
9 28	0 47.27	+26 41.4	1.789	2.728	9.1	20.3
10 8	0 39.74	+25 29.5	1.786	2.746	7.1	20.2
10 18	0 32.70	+23 59.1	1.808	2.765	7.1	20.2
10 28	0 27.05	+22 18.8	1.857	2.784	9.0	20.4
11 7	0 23.43	+20 38.3	1.932	2.803	11.6	20.6

142824 2002 VE_6 10 4.6 67.°01 0.°4/ 4.9 18

8 29	1 4.93	+ 8 50.9	1.824	2.657	14.9	19.9
9 8	1 0.95	+ 8 16.5	1.756	2.666	11.5	19.7
9 18	0 54.93	+ 7 27.0	1.709	2.674	7.5	19.4
9 28	0 47.52	+ 6 26.4	1.687	2.683	3.2	19.2
10 8	0 39.61	+ 5 20.5	1.693	2.691	1.4	19.1
10 18	0 32.15	+ 4 16.2	1.727	2.700	5.7	19.4
10 28	0 26.02	+ 3 20.4	1.788	2.709	9.7	19.7
11 7	0 21.87	+ 2 37.9	1.872	2.717	13.2	19.9

313360 2002 GV_{179} 10 4.6 113.°78 1.°1/ 3.5 18

8 29	1 7.67	+ 2 0.1	2.283	3.118	12.2	20.8
9 8	1 2.62	+ 1 47.7	2.209	3.123	9.3	20.6
9 18	0 55.83	+ 1 28.8	2.159	3.128	5.9	20.4
9 28	0 47.86	+ 1 6.5	2.136	3.133	2.4	20.2
10 8	0 39.45	+ 0 44.8	2.142	3.137	2.0	20.2
10 18	0 31.39	+ 0 27.4	2.177	3.142	5.5	20.4
10 28	0 24.44	+ 0 17.8	2.241	3.146	8.8	20.6
11 7	0 19.19	+ 0 18.3	2.328	3.150	11.7	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
88039	2000 UQ_{100}		10 4.6	305.°04	2.°0/ 2.8	18 R
	h m	° ′			°	m
8 29	1 7.51	− 0 11.4	2.048	2.895	13.0	18.5
9 8	1 2.77	− 0 28.4	1.969	2.889	9.9	18.3
9 18	0 56.08	− 0 51.3	1.913	2.884	6.3	18.1
9 28	0 48.00	− 1 16.1	1.883	2.879	2.8	17.9
10 8	0 39.36	− 1 38.3	1.882	2.874	2.9	17.9
10 18	0 31.05	− 1 53.4	1.908	2.869	6.5	18.1
10 28	0 23.95	− 1 57.8	1.962	2.864	10.1	18.3
11 7	0 18.70	− 1 49.5	2.039	2.859	13.2	18.5
242917	2006 OZ_2		10 4.6	11.°10	3.°4/11.2	18
8 29	0 59.42	+23 23.3	4.205	4.927	8.9	20.7
9 8	0 55.81	+23 34.5	4.109	4.928	7.5	20.6
9 18	0 51.22	+23 34.8	4.036	4.929	5.9	20.5
9 28	0 45.97	+23 24.2	3.989	4.930	4.4	20.4
10 8	0 40.43	+23 3.6	3.969	4.931	3.5	20.3
10 18	0 35.03	+22 34.7	3.979	4.932	3.7	20.3
10 28	0 30.17	+22 0.2	4.017	4.934	4.9	20.4
11 7	0 26.21	+21 23.2	4.083	4.935	6.5	20.5
213960	2003 YX_{25}		10 4.6	317.°32	2.°7/ 2.5	18
8 29	1 5.19	+ 0 21.8	1.507	2.374	15.8	20.0
9 8	1 1.88	− 0 8.6	1.419	2.350	12.1	19.7
9 18	0 55.99	− 0 49.1	1.352	2.327	7.8	19.4
9 28	0 48.12	− 1 34.4	1.308	2.304	3.6	19.1
10 8	0 39.26	− 2 17.1	1.290	2.282	3.9	19.1
10 18	0 30.63	− 2 50.0	1.297	2.260	8.5	19.3
10 28	0 23.48	− 3 6.6	1.328	2.239	13.2	19.5
11 7	0 18.74	− 3 3.5	1.381	2.219	17.3	19.7
412580	2014 OE_{29}		10 4.6	277.°39	0.°4/ 4.2	18
8 29	1 4.73	+ 5 36.9	2.152	2.987	12.9	21.2
9 8	1 0.61	+ 5 11.5	2.068	2.981	9.9	21.0
9 18	0 54.67	+ 4 35.4	2.007	2.975	6.4	20.8
9 28	0 47.44	+ 3 52.1	1.973	2.969	2.5	20.5
10 8	0 39.67	+ 3 6.0	1.966	2.963	1.6	20.4
10 18	0 32.18	+ 2 22.5	1.988	2.957	5.5	20.7
10 28	0 25.78	+ 1 46.5	2.038	2.951	9.1	20.9
11 7	0 21.09	+ 1 21.9	2.111	2.945	12.3	21.1
316465	2010 UA_{96}		10 4.6	334.°96	5.°7/28.7	18
8 29	1 3.33	− 8 15.9	1.846	2.716	13.2	19.9
9 8	0 59.79	− 9 26.5	1.779	2.709	10.1	19.7
9 18	0 54.24	−10 39.0	1.735	2.702	7.2	19.5
9 28	0 47.28	−11 45.6	1.717	2.696	5.7	19.4
10 8	0 39.76	−12 38.8	1.725	2.690	6.9	19.4
10 18	0 32.62	−13 12.6	1.759	2.685	9.7	19.6
10 28	0 26.75	−13 23.8	1.817	2.680	12.8	19.8
11 7	0 22.80	−13 12.0	1.896	2.675	15.6	20.0
363915	2005 SE_{221}		10 4.6	35.°81	1.°6/ 6.3	15
8 29	1 2.99	+12 46.0	2.055	2.870	14.1	21.7
9 8	0 59.35	+12 12.5	1.975	2.872	11.1	21.5
9 18	0 53.88	+11 22.1	1.917	2.873	7.6	21.2
9 28	0 47.12	+10 17.5	1.885	2.875	3.8	21.0
10 8	0 39.86	+ 9 3.9	1.880	2.877	1.7	20.9
10 18	0 32.93	+ 7 47.6	1.904	2.879	5.0	21.1
10 28	0 27.16	+ 6 35.7	1.956	2.881	8.7	21.3
11 7	0 23.15	+ 5 34.2	2.032	2.883	12.0	21.6
294159	2007 TS_{352}		10 4.6	180.°46	1.°3/ 6.9	18
8 29	0 59.85	+12 5.4	4.487	5.272	7.5	20.2
9 8	0 56.00	+12 8.3	4.394	5.272	5.9	20.1
9 18	0 51.28	+12 4.5	4.327	5.272	4.1	20.0
9 28	0 45.99	+11 54.9	4.288	5.272	2.3	19.8
10 8	0 40.45	+11 40.9	4.279	5.272	1.3	19.7
10 18	0 35.04	+11 24.1	4.300	5.272	2.6	19.9
10 28	0 30.11	+11 6.7	4.351	5.272	4.5	20.0
11 7	0 25.99	+10 50.7	4.431	5.272	6.2	20.1
372832	2010 UJ_{70}		10 4.6	337.°81	4.°1/ 2.3	18
8 29	1 6.07	− 2 5.5	1.029	1.920	19.5	20.2
9 8	1 3.43	− 2 24.5	0.962	1.905	15.0	19.8
9 18	0 57.42	− 2 52.0	0.912	1.892	9.8	19.5
9 28	0 48.79	− 3 20.2	0.883	1.879	4.9	19.2
10 8	0 38.97	− 3 40.1	0.877	1.868	5.5	19.2
10 18	0 29.66	− 3 43.7	0.892	1.859	10.8	19.5
10 28	0 22.52	− 3 25.4	0.928	1.850	16.2	19.8
11 7	0 18.65	− 2 44.0	0.982	1.844	21.0	20.0
48555	1993 TW_{32}		10 4.6	348.°28	1.°6/ 3.1	18
8 29	1 4.08	+ 3 32.7	1.658	2.514	15.1	19.0
9 8	1 0.58	+ 2 50.2	1.586	2.511	11.5	18.8
9 18	0 54.86	+ 1 55.4	1.535	2.508	7.3	18.6
9 28	0 47.57	+ 0 53.6	1.509	2.506	2.9	18.3
10 8	0 39.64	− 0 7.9	1.509	2.504	2.8	18.3
10 18	0 32.12	− 1 1.9	1.537	2.502	7.2	18.6
10 28	0 26.00	− 1 42.0	1.589	2.501	11.4	18.8
11 7	0 22.00	− 2 4.4	1.664	2.500	15.0	19.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
423585	2005 VV_{97}		10 4.6	282.°01	2.°3/ 8.0	16
	h m	° ′			°	m
8 29	1 0.91	+15 56.5	3.166	3.945	10.4	21.6
9 8	0 57.25	+15 48.1	3.063	3.932	8.4	21.5
9 18	0 52.30	+15 27.8	2.982	3.919	6.1	21.3
9 28	0 46.46	+14 56.4	2.929	3.906	3.7	21.1
10 8	0 40.21	+14 16.0	2.904	3.893	2.3	21.0
10 18	0 34.10	+13 29.6	2.908	3.880	3.7	21.1
10 28	0 28.69	+12 41.3	2.942	3.867	6.2	21.3
11 7	0 24.44	+11 55.2	3.003	3.854	8.5	21.4
516937	2012 BB		10 4.6	338.°06	12.°7/17.9	18
8 29	1 5.34	−30 17.5	1.876	2.715	14.3	20.1
9 8	1 1.50	−32 15.5	1.841	2.709	13.1	20.1
9 18	0 55.40	−33 56.1	1.828	2.704	12.7	20.0
9 28	0 47.76	−35 9.3	1.837	2.699	13.1	20.0
10 8	0 39.57	−35 48.3	1.867	2.695	14.3	20.1
10 18	0 31.92	−35 50.5	1.916	2.691	15.9	20.2
10 28	0 25.79	−35 17.0	1.984	2.687	17.5	20.4
11 7	0 21.85	−34 12.7	2.065	2.684	18.9	20.5
91604	Clausmadsen		10 4.6	203.°96	5.°0/29.1	18
8 29	1 5.81	− 9 29.0	2.244	3.101	11.6	19.3
9 8	1 1.27	−10 22.9	2.179	3.100	9.0	19.2
9 18	0 55.01	−11 16.5	2.137	3.099	6.4	19.0
9 28	0 47.56	−12 3.9	2.122	3.099	5.1	18.9
10 8	0 39.69	−12 39.5	2.135	3.098	6.0	19.0
10 18	0 32.18	−12 59.1	2.176	3.097	8.4	19.1
10 28	0 25.79	−13 0.5	2.242	3.096	11.1	19.3
11 7	0 21.07	−12 43.5	2.329	3.094	13.5	19.5
66656	1999 SV_{17}		10 4.6	342.°77	7.°3/27.7	18
8 29	0 59.96	− 6 28.8	1.301	2.193	16.1	17.9
9 8	0 58.00	− 8 19.7	1.240	2.183	12.4	17.7
9 18	0 53.48	−10 17.8	1.200	2.173	8.9	17.5
9 28	0 47.09	−12 10.6	1.183	2.164	7.3	17.4
10 8	0 39.93	−13 45.1	1.191	2.157	9.1	17.5
10 18	0 33.24	−14 50.8	1.221	2.150	12.7	17.6
10 28	0 28.19	−15 22.3	1.273	2.145	16.6	17.9
11 7	0 25.58	−15 19.6	1.342	2.140	19.9	18.1
266959	2010 UG_{102}		10 4.6	309.°22	1.°9/ 2.7	17
8 29	1 3.83	+ 1 41.2	1.930	2.782	13.4	20.9
9 8	1 0.21	+ 1 3.8	1.842	2.766	10.2	20.7
9 18	0 54.58	+ 0 16.8	1.777	2.750	6.5	20.4
9 28	0 47.49	− 0 35.1	1.737	2.733	2.8	20.2
10 8	0 39.72	− 1 26.0	1.725	2.718	3.0	20.2
10 18	0 32.19	− 2 9.7	1.740	2.702	6.9	20.4
10 28	0 25.82	− 2 40.7	1.782	2.687	10.7	20.6
11 7	0 21.33	− 2 55.8	1.846	2.672	14.2	20.8
436519	2011 FP_{80}		10 4.6	86.°14	0.°6/ 5.1	17
8 29	1 10.56	+ 7 39.9	1.605	2.440	16.5	21.5
9 8	1 5.48	+ 7 33.7	1.541	2.452	12.7	21.3
9 18	0 57.99	+ 7 13.4	1.499	2.464	8.4	21.1
9 28	0 48.82	+ 6 42.2	1.480	2.475	3.6	20.9
10 8	0 39.07	+ 6 5.0	1.489	2.487	1.6	20.7
10 18	0 29.91	+ 5 28.1	1.525	2.498	6.3	21.1
10 28	0 22.39	+ 4 57.5	1.588	2.510	10.6	21.4
11 7	0 17.26	+ 4 38.2	1.673	2.521	14.3	21.6
75921	2000 CL_{63}		10 4.6	183.°73	3.°0/ 7.7	18
8 29	1 7.38	+15 28.6	2.228	3.017	14.0	20.0
9 8	1 2.64	+15 28.9	2.141	3.017	11.2	19.8
9 18	0 56.00	+15 13.3	2.076	3.017	8.1	19.7
9 28	0 48.02	+14 42.7	2.037	3.017	4.8	19.5
10 8	0 39.47	+13 59.8	2.025	3.016	3.0	19.3
10 18	0 31.21	+13 9.1	2.043	3.015	5.0	19.5
10 28	0 24.09	+12 16.5	2.088	3.014	8.3	19.7
11 7	0 18.75	+11 28.0	2.159	3.012	11.4	19.9
237025	2008 SY_{39}		10 4.6	252.°08	0.°7/ 3.2	18
8 29	0 57.09	+ 2 14.6	4.635	5.463	6.6	20.7
9 8	0 53.90	+ 1 50.4	4.549	5.460	4.9	20.6
9 18	0 49.95	+ 1 22.5	4.489	5.457	3.1	20.5
9 28	0 45.48	+ 0 52.8	4.458	5.454	1.3	20.3
10 8	0 40.80	+ 0 23.2	4.457	5.451	1.2	20.3
10 18	0 36.25	− 0 4.0	4.487	5.448	3.0	20.4
10 28	0 32.14	− 0 26.9	4.546	5.445	4.9	20.6
11 7	0 28.75	− 0 43.9	4.632	5.442	6.5	20.7
65966	1998 HH_8		10 4.6	145.°03	2.°7/ 2.5	18
8 29	1 11.14	+ 0 0.3	1.594	2.447	15.7	19.3
9 8	1 5.96	− 0 37.5	1.529	2.452	11.9	19.1
9 18	0 58.32	− 1 23.6	1.485	2.457	7.6	18.9
9 28	0 48.98	− 2 12.3	1.467	2.462	3.5	18.6
10 8	0 39.01	− 2 56.2	1.476	2.467	3.9	18.7
10 18	0 29.61	− 3 29.1	1.512	2.471	8.0	18.9
10 28	0 21.86	− 3 45.9	1.573	2.475	12.2	19.2
11 7	0 16.50	− 3 44.7	1.657	2.478	15.7	19.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
316130	2009 RA_{74}		10 4.6	313.°26	1.°4/ 2.2	18
	h m	° ′			°	m
8 29	0 58.72	− 1 0.8	4.033	4.871	7.3	20.4
9 8	0 55.23	− 1 23.8	3.948	4.865	5.5	20.3
9 18	0 50.85	− 1 49.6	3.889	4.859	3.5	20.1
9 28	0 45.85	− 2 15.9	3.859	4.853	1.7	20.0
10 8	0 40.62	− 2 40.5	3.858	4.847	1.9	20.0
10 18	0 35.51	− 3 1.0	3.888	4.841	3.8	20.1
10 28	0 30.94	− 3 15.4	3.946	4.836	5.8	20.3
11 7	0 27.21	− 3 22.2	4.031	4.830	7.6	20.4
256211	2006 VR_{111}		10 4.6	242.°07	3.°0/ 7.7	18
8 29	1 5.47	+15 33.6	2.096	2.893	14.5	20.9
9 8	1 1.31	+15 30.9	2.011	2.891	11.7	20.7
9 18	0 55.21	+15 11.4	1.946	2.890	8.4	20.5
9 28	0 47.72	+14 35.8	1.907	2.888	5.0	20.3
10 8	0 39.64	+13 47.2	1.895	2.886	3.0	20.2
10 18	0 31.86	+12 50.8	1.911	2.885	5.1	20.3
10 28	0 25.25	+11 52.9	1.955	2.883	8.5	20.5
11 7	0 20.47	+11 0.0	2.024	2.881	11.8	20.7
298710	2004 FZ_{12}		10 4.6	252.°50	3.°5/ 7.7	17
8 29	1 9.70	+15 7.4	2.190	2.977	14.2	21.1
9 8	1 4.60	+15 30.9	2.090	2.964	11.5	20.9
9 18	0 57.42	+15 40.1	2.013	2.952	8.4	20.7
9 28	0 48.66	+15 34.7	1.960	2.938	5.2	20.4
10 8	0 39.14	+15 16.0	1.936	2.925	3.5	20.3
10 18	0 29.77	+14 47.4	1.940	2.911	5.4	20.4
10 28	0 21.54	+14 14.0	1.973	2.897	8.7	20.6
11 7	0 15.19	+13 41.7	2.031	2.883	12.0	20.8
457920	2009 UT_{47}		10 4.6	279.°95	1.°9/ 2.6	17
8 29	1 6.01	− 0 25.9	2.372	3.215	11.6	22.1
9 8	1 1.45	− 0 47.3	2.284	3.203	8.8	21.9
9 18	0 55.18	− 1 14.0	2.221	3.191	5.6	21.7
9 28	0 47.69	− 1 42.4	2.184	3.179	2.6	21.5
10 8	0 39.67	− 2 8.3	2.176	3.167	2.8	21.5
10 18	0 31.89	− 2 27.8	2.197	3.155	6.0	21.7
10 28	0 25.10	− 2 37.3	2.245	3.143	9.2	21.9
11 7	0 19.90	− 2 34.7	2.318	3.131	12.1	22.0
506799	2007 DN_{61}		10 4.6	249.°51	6.°6/29.4	18
8 29	1 17.12	−13 6.8	1.976	2.818	13.6	21.6
9 8	1 10.37	−13 45.2	1.889	2.798	10.8	21.4
9 18	1 1.19	−14 20.2	1.825	2.777	8.1	21.2
9 28	0 50.19	−14 44.8	1.787	2.756	6.6	21.1
10 8	0 38.37	−14 52.4	1.778	2.734	7.6	21.1
10 18	0 26.88	−14 38.8	1.797	2.711	10.3	21.2
10 28	0 16.83	−14 2.7	1.841	2.687	13.5	21.4
11 7	0 9.05	−13 5.6	1.908	2.663	16.4	21.5
250778	2005 TN_{27}		10 4.6	285.°37	0.°5/ 3.9	18
8 29	1 2.06	+ 7 38.3	2.114	2.949	13.1	20.7
9 8	0 58.73	+ 6 37.4	2.018	2.931	10.1	20.5
9 18	0 53.57	+ 5 21.0	1.945	2.913	6.5	20.3
9 28	0 47.08	+ 3 53.5	1.899	2.896	2.5	20.0
10 8	0 39.98	+ 2 21.2	1.881	2.878	1.8	19.9
10 18	0 33.08	+ 0 51.5	1.893	2.860	5.9	20.1
10 28	0 27.21	− 0 28.1	1.931	2.842	9.7	20.3
11 7	0 23.03	− 1 32.1	1.994	2.825	13.1	20.5
48426	1989 EV_2		10 4.6	271.°98	3.°4/ 7.5	18
8 29	1 6.44	+15 38.9	1.584	2.398	17.6	19.2
9 8	1 2.74	+15 30.1	1.499	2.390	14.2	19.0
9 18	0 56.50	+14 58.7	1.432	2.382	10.2	18.7
9 28	0 48.36	+14 5.4	1.389	2.373	5.9	18.5
10 8	0 39.33	+12 54.5	1.371	2.365	3.4	18.3
10 18	0 30.64	+11 33.6	1.380	2.357	6.4	18.4
10 28	0 23.49	+10 12.7	1.415	2.348	10.8	18.7
11 7	0 18.74	+ 9 0.9	1.473	2.340	14.9	18.9
117941	6202 P–L		10 4.6	356.°39	1.°9/ 6.5	18
8 29	1 1.50	+12 10.8	1.711	2.543	15.8	19.3
9 8	0 58.65	+11 55.7	1.634	2.539	12.5	19.0
9 18	0 53.66	+11 22.4	1.577	2.536	8.6	18.8
9 28	0 47.15	+10 33.3	1.543	2.534	4.4	18.5
10 8	0 39.99	+ 9 33.4	1.536	2.533	2.1	18.4
10 18	0 33.18	+ 8 29.3	1.555	2.532	5.7	18.6
10 28	0 27.70	+ 7 29.0	1.601	2.533	9.8	18.9
11 7	0 24.25	+ 6 39.1	1.669	2.534	13.5	19.1
487413	2014 QR_{376}		10 4.6	339.°30	1.°1/ 3.3	18
8 29	0 59.45	+ 6 51.0	2.007	2.852	13.3	20.3
9 8	0 56.75	+ 5 33.1	1.925	2.844	10.1	20.0
9 18	0 52.27	+ 3 59.7	1.866	2.837	6.4	19.8
9 28	0 46.55	+ 2 16.3	1.834	2.831	2.5	19.5
10 8	0 40.30	+ 0 30.7	1.830	2.825	2.3	19.5
10 18	0 34.34	− 1 9.0	1.854	2.819	6.2	19.8
10 28	0 29.46	− 2 35.1	1.906	2.814	10.0	20.0
11 7	0 26.25	− 3 42.4	1.982	2.809	13.3	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
241967	2002 GO_{10}		10 4.6	206.°14	1.°1/ 3.3	18
	h m	° ′			°	m
8 29	1 5.47	+ 5 35.4	2.175	3.007	12.8	21.3
9 8	1 1.17	+ 4 32.1	2.090	3.002	9.8	21.1
9 18	0 55.06	+ 3 16.0	2.028	2.997	6.2	20.9
9 28	0 47.66	+ 1 51.8	1.994	2.991	2.4	20.6
10 8	0 39.73	+ 0 26.1	1.990	2.985	2.2	20.6
10 18	0 32.09	− 0 54.2	2.015	2.978	6.0	20.9
10 28	0 25.54	− 2 2.8	2.068	2.970	9.6	21.1
11 7	0 20.71	− 2 55.2	2.145	2.962	12.8	21.3
313316	2002 EZ_{53}		10 4.6	280.°96	2.°7/ 7.0	17
8 29	1 8.39	+12 50.7	2.207	3.006	13.8	21.3
9 8	1 3.63	+13 8.7	2.102	2.986	11.1	21.1
9 18	0 56.82	+13 13.8	2.019	2.966	7.9	20.8
9 28	0 48.46	+13 6.1	1.962	2.946	4.5	20.6
10 8	0 39.30	+12 47.4	1.933	2.925	2.7	20.4
10 18	0 30.24	+12 21.2	1.932	2.905	5.2	20.6
10 28	0 22.25	+11 52.3	1.960	2.884	8.8	20.8
11 7	0 16.07	+11 26.1	2.012	2.863	12.1	20.9
85441	1997 FX_2		10 4.6	228.°04	1.°0/ 5.5	18
8 29	1 8.67	+10 9.6	1.839	2.660	15.3	21.0
9 8	1 4.06	+ 9 45.0	1.749	2.651	12.0	20.8
9 18	0 57.18	+ 9 4.0	1.680	2.641	8.0	20.5
9 28	0 48.60	+ 8 8.9	1.637	2.630	3.7	20.2
10 8	0 39.25	+ 7 5.0	1.621	2.619	1.5	20.0
10 18	0 30.18	+ 5 58.9	1.634	2.607	5.9	20.3
10 28	0 22.44	+ 4 58.3	1.673	2.594	10.3	20.5
11 7	0 16.83	+ 4 9.5	1.737	2.581	14.1	20.8
396761	2003 UD_{341}		10 4.6	2.°81	5.°5/11.0	17
8 29	1 1.13	+23 35.7	1.893	2.663	16.7	20.7
9 8	0 58.30	+23 29.7	1.810	2.663	14.1	20.5
9 18	0 53.40	+22 58.8	1.746	2.663	11.0	20.3
9 28	0 47.04	+22 2.7	1.704	2.663	7.8	20.1
10 8	0 40.07	+20 44.5	1.688	2.665	5.7	20.0
10 18	0 33.45	+19 10.5	1.698	2.667	6.3	20.1
10 28	0 28.11	+17 29.5	1.735	2.669	9.0	20.2
11 7	0 24.73	+15 51.2	1.797	2.672	12.2	20.4
488160	2015 XX_4		10 4.6	31.°69	4.°9/28.9	18
8 29	1 3.60	− 8 21.2	2.242	3.103	11.5	21.0
9 8	0 59.62	− 9 27.6	2.179	3.104	8.8	20.8
9 18	0 53.98	−10 34.9	2.140	3.105	6.3	20.7
9 28	0 47.20	−11 36.8	2.128	3.106	4.9	20.6
10 8	0 40.01	−12 27.3	2.144	3.107	5.9	20.7
10 18	0 33.17	−13 1.7	2.186	3.108	8.3	20.8
10 28	0 27.39	−13 17.2	2.255	3.109	11.0	21.0
11 7	0 23.23	−13 13.5	2.345	3.110	13.4	21.2
515387	2013 GG_{15}		10 4.6	126.°51	0.°0/ 4.4	18
8 29	1 4.18	+ 7 48.8	2.688	3.504	11.1	22.8
9 8	0 59.73	+ 7 5.2	2.617	3.519	8.5	22.6
9 18	0 53.89	+ 6 11.4	2.571	3.534	5.5	22.4
9 28	0 47.14	+ 5 10.8	2.552	3.548	2.2	22.2
10 8	0 40.07	+ 4 7.7	2.564	3.561	1.1	22.2
10 18	0 33.33	+ 3 6.8	2.606	3.574	4.4	22.4
10 28	0 27.50	+ 2 12.7	2.677	3.587	7.4	22.6
11 7	0 23.06	+ 1 28.7	2.773	3.599	10.0	22.8
181785	1998 BK_{29}		10 4.6	193.°93	4.°8/10.3	18
8 29	1 7.99	+22 17.4	2.587	3.329	13.4	21.3
9 8	1 2.99	+22 37.6	2.493	3.327	11.3	21.1
9 18	0 56.22	+22 41.3	2.419	3.325	8.8	20.9
9 28	0 48.16	+22 27.4	2.370	3.322	6.4	20.8
10 8	0 39.52	+21 57.1	2.349	3.319	4.9	20.7
10 18	0 31.10	+21 13.3	2.356	3.315	5.5	20.7
10 28	0 23.69	+20 21.1	2.392	3.311	7.7	20.8
11 7	0 17.92	+19 26.4	2.454	3.307	10.2	21.0
405135	2002 PJ_{177}		10 4.6	345.°98	8.°8/12.2	17
8 29	1 9.36	+27 2.1	1.985	2.715	17.3	20.0
9 8	1 4.85	+28 24.0	1.895	2.708	15.1	19.8
9 18	0 57.88	+29 26.2	1.824	2.701	12.7	19.6
9 28	0 48.97	+30 4.1	1.775	2.696	10.4	19.5
10 8	0 39.07	+30 15.6	1.750	2.690	8.9	19.4
10 18	0 29.30	+30 1.8	1.750	2.686	9.1	19.4
10 28	0 20.87	+29 27.8	1.775	2.682	10.7	19.5
11 7	0 14.71	+28 41.5	1.824	2.679	13.0	19.6
146869	2002 AN_{181}		10 4.6	342.°04	3.°6/ 2.3	18
8 29	1 9.72	− 4 22.2	1.570	2.433	15.4	18.9
9 8	1 5.10	− 4 25.9	1.495	2.423	11.8	18.6
9 18	0 57.94	− 4 32.0	1.441	2.414	7.8	18.4
9 28	0 48.93	− 4 35.3	1.412	2.405	4.2	18.1
10 8	0 39.14	− 4 30.5	1.409	2.397	4.6	18.1
10 18	0 29.78	− 4 13.6	1.433	2.390	8.5	18.4
10 28	0 22.02	− 3 41.9	1.481	2.384	12.6	18.6
11 7	0 16.68	− 2 55.2	1.551	2.379	16.3	18.8

355493 2007 XD_{15} 10 4.6 237.°94 7.°8/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.69	−18 38.8	2.305	3.152	11.7	21.6
9 8	1 3.58	−19 51.7	2.237	3.139	9.7	21.5
9 18	0 56.60	−20 58.8	2.193	3.126	8.2	21.4
9 28	0 48.30	−21 52.6	2.176	3.113	7.8	21.3
10 8	0 39.48	−22 26.9	2.184	3.099	8.9	21.4
10 18	0 30.98	−22 38.0	2.219	3.085	10.8	21.5
10 28	0 23.65	−22 24.6	2.277	3.070	13.0	21.6
11 7	0 18.10	−21 48.2	2.355	3.055	15.0	21.7

182872 2002 CU_{211} 10 4.6 78.°16 0.°1/ 4.7 18

8 29	1 5.47	+ 7 2.3	2.111	2.941	13.3	20.4
9 8	1 1.13	+ 6 39.3	2.041	2.950	10.2	20.3
9 18	0 54.99	+ 6 5.0	1.993	2.958	6.6	20.1
9 28	0 47.63	+ 5 22.6	1.972	2.967	2.7	19.8
10 8	0 39.83	+ 4 36.8	1.979	2.976	1.3	19.7
10 18	0 32.42	+ 3 52.6	2.014	2.985	5.2	20.0
10 28	0 26.17	+ 3 15.2	2.077	2.994	8.8	20.3
11 7	0 21.67	+ 2 48.5	2.165	3.003	11.9	20.5

342456 2008 UP_{112} 10 4.6 280.°00 2.°2/ 6.5 18

8 29	1 6.72	+12 19.6	1.734	2.554	16.1	20.5
9 8	1 2.71	+12 12.9	1.648	2.546	12.8	20.3
9 18	0 56.37	+11 48.5	1.583	2.539	8.9	20.0
9 28	0 48.31	+11 7.8	1.541	2.531	4.6	19.8
10 8	0 39.46	+10 15.1	1.527	2.523	2.3	19.6
10 18	0 30.92	+ 9 16.6	1.540	2.515	5.9	19.8
10 28	0 23.77	+ 8 20.2	1.579	2.507	10.2	20.0
11 7	0 18.81	+ 7 32.7	1.641	2.500	14.0	20.3

157284 2004 RZ_{286} 10 4.6 61.°87 8.°1/11.9 18

8 29	1 12.49	+25 20.6	1.538	2.297	20.4	19.3
9 8	1 7.27	+26 10.2	1.484	2.323	17.3	19.1
9 18	0 59.30	+26 32.0	1.447	2.349	13.8	18.9
9 28	0 49.43	+26 23.2	1.431	2.375	10.5	18.8
10 8	0 38.94	+25 45.2	1.439	2.401	8.3	18.8
10 18	0 29.18	+24 43.9	1.472	2.427	8.6	18.9
10 28	0 21.39	+23 29.0	1.530	2.453	10.9	19.1
11 7	0 16.32	+22 11.6	1.611	2.479	13.7	19.3

37438 2599 P–L 10 4.6 292.°72 0.°1/ 4.7 18

8 29	1 3.96	+ 9 1.3	1.630	2.472	16.0	19.2
9 8	1 0.73	+ 8 16.4	1.543	2.458	12.4	18.9
9 18	0 55.16	+ 7 12.4	1.476	2.443	8.2	18.7
9 28	0 47.84	+ 5 53.2	1.433	2.429	3.4	18.3
10 8	0 39.69	+ 4 26.0	1.417	2.415	1.7	18.2
10 18	0 31.83	+ 2 59.8	1.428	2.401	6.7	18.5
10 28	0 25.35	+ 1 43.8	1.465	2.387	11.4	18.7
11 7	0 21.08	+ 0 45.1	1.524	2.373	15.4	18.9

206115 2002 RA_{243} 10 4.6 83.°73 2.°0/ 6.5 18

8 29	1 7.92	+12 12.0	1.846	2.661	15.5	20.4
9 8	1 3.24	+12 3.7	1.780	2.675	12.2	20.2
9 18	0 56.46	+11 39.2	1.734	2.689	8.3	20.0
9 28	0 48.25	+11 0.4	1.714	2.703	4.3	19.8
10 8	0 39.53	+10 12.0	1.721	2.717	2.1	19.7
10 18	0 31.31	+ 9 19.6	1.756	2.730	5.4	19.9
10 28	0 24.50	+ 8 30.1	1.817	2.744	9.2	20.2
11 7	0 19.74	+ 7 49.0	1.904	2.757	12.6	20.4

269507 2009 UU_{91} 10 4.6 307.°07 4.°6/ 1.1 18

8 29	1 7.73	− 3 27.3	1.453	2.323	16.0	20.2
9 8	1 3.76	− 4 18.2	1.382	2.314	12.3	20.0
9 18	0 57.16	− 5 15.9	1.332	2.305	8.1	19.7
9 28	0 48.64	− 6 12.9	1.306	2.297	4.8	19.5
10 8	0 39.31	− 7 0.2	1.305	2.289	5.8	19.5
10 18	0 30.43	− 7 30.5	1.330	2.281	9.8	19.7
10 28	0 23.21	− 7 38.9	1.379	2.274	14.0	20.0
11 7	0 18.50	− 7 24.2	1.448	2.266	17.7	20.2

509995 2009 VP_{30} 10 4.6 16.°00 5.°2/ 8.8 18

8 29	1 5.18	+18 4.6	1.303	2.124	20.4	20.4
9 8	1 2.16	+18 20.1	1.236	2.127	16.7	20.2
9 18	0 56.28	+18 8.8	1.186	2.130	12.4	20.0
9 28	0 48.31	+17 30.3	1.157	2.135	8.0	19.7
10 8	0 39.48	+16 28.6	1.151	2.140	5.2	19.6
10 18	0 31.20	+15 11.9	1.170	2.146	7.3	19.7
10 28	0 24.79	+13 51.5	1.213	2.152	11.5	20.0
11 7	0 21.12	+12 38.4	1.277	2.159	15.6	20.3

154396 2003 AT_{33} 10 4.6 268.°74 1.°0/ 3.8 18

8 29	1 8.69	+ 4 16.5	1.645	2.492	15.6	20.6
9 8	1 4.34	+ 3 52.1	1.559	2.478	12.0	20.4
9 18	0 57.50	+ 3 15.3	1.494	2.464	7.8	20.1
9 28	0 48.79	+ 2 29.9	1.454	2.450	3.1	19.8
10 8	0 39.21	+ 1 42.1	1.440	2.436	2.3	19.7
10 18	0 29.92	+ 0 58.8	1.454	2.422	7.2	20.0
10 28	0 22.09	+ 0 26.6	1.493	2.408	11.7	20.2
11 7	0 16.57	+ 0 10.0	1.554	2.393	15.7	20.4

167421 2003 WV_{143} 10 4.6 32.°26 0.°9/ 5.3 18

	h m	° ′			°	m
8 29	1 7.36	+ 8 21.7	1.614	2.452	16.3	20.0
9 8	1 3.15	+ 8 15.5	1.545	2.457	12.6	19.7
9 18	0 56.59	+ 7 54.6	1.497	2.462	8.4	19.5
9 28	0 48.36	+ 7 21.8	1.474	2.468	3.7	19.3
10 8	0 39.50	+ 6 42.1	1.476	2.474	1.6	19.1
10 18	0 31.11	+ 6 1.7	1.506	2.480	6.1	19.4
10 28	0 24.27	+ 5 27.2	1.561	2.487	10.5	19.7
11 7	0 19.70	+ 5 3.8	1.639	2.494	14.3	20.0

518611 2008 AG_{103} 10 4.6 289.°62 6.°7/27.6 18

8 29	1 5.78	−10 36.8	1.886	2.752	13.1	21.4
9 8	1 1.87	−11 57.0	1.802	2.727	10.4	21.2
9 18	0 55.78	−13 19.0	1.741	2.702	7.8	21.0
9 28	0 48.08	−14 34.5	1.706	2.677	6.7	20.9
10 8	0 39.61	−15 34.8	1.698	2.652	8.0	20.9
10 18	0 31.35	−16 13.3	1.715	2.626	10.9	21.0
10 28	0 24.33	−16 25.9	1.756	2.601	14.0	21.2
11 7	0 19.31	−16 12.5	1.816	2.576	16.9	21.3

260695 2005 JS_{106} 10 4.6 173.°62 4.°3/30.9 18

8 29	1 8.18	− 1 58.3	1.531	2.395	15.7	20.6
9 8	1 3.86	− 3 9.3	1.467	2.396	11.9	20.3
9 18	0 57.08	− 4 29.0	1.424	2.397	7.8	20.1
9 28	0 48.57	− 5 49.1	1.406	2.398	4.5	19.9
10 8	0 39.40	− 7 0.1	1.415	2.398	5.6	20.0
10 18	0 30.75	− 7 53.9	1.450	2.399	9.4	20.2
10 28	0 23.72	− 8 25.2	1.510	2.398	13.4	20.5
11 7	0 19.06	− 8 32.3	1.590	2.398	16.9	20.7

120050 2003 BE_{40} 10 4.6 354.°95 0.°9/ 5.2 18

8 29	1 2.42	+ 7 27.9	1.040	1.918	20.4	18.6
9 8	1 0.54	+ 7 34.2	0.977	1.910	15.9	18.3
9 18	0 55.50	+ 7 21.4	0.930	1.905	10.6	18.0
9 28	0 48.08	+ 6 52.6	0.904	1.901	4.6	17.7
10 8	0 39.62	+ 6 14.5	0.900	1.898	2.0	17.5
10 18	0 31.70	+ 5 35.7	0.918	1.897	8.0	17.9
10 28	0 25.86	+ 5 5.7	0.958	1.898	13.7	18.2
11 7	0 23.07	+ 4 51.5	1.017	1.901	18.5	18.5

435131 2007 EH_{146} 10 4.6 154.°54 1.°3/ 3.4 15

8 29	1 8.93	+ 3 46.8	1.924	2.762	14.1	22.1
9 8	1 3.93	+ 3 8.0	1.853	2.768	10.7	21.9
9 18	0 56.89	+ 2 18.7	1.804	2.774	6.8	21.7
9 28	0 48.44	+ 1 23.5	1.783	2.779	2.7	21.5
10 8	0 39.47	+ 0 28.4	1.789	2.784	2.4	21.5
10 18	0 30.93	− 0 20.6	1.824	2.788	6.4	21.7
10 28	0 23.73	− 0 58.1	1.886	2.792	10.2	22.0
11 7	0 18.52	− 1 20.7	1.972	2.796	13.5	22.2

325558 Guyane 10 4.6 283.°92 1.°3/ 2.9 18

8 29	1 1.53	+ 4 34.0	2.286	3.126	12.0	20.7
9 8	0 58.12	+ 3 29.1	2.202	3.119	9.1	20.5
9 18	0 53.08	+ 2 12.9	2.142	3.113	5.8	20.3
9 28	0 46.90	+ 0 50.0	2.109	3.106	2.3	20.0
10 8	0 40.24	− 0 33.4	2.105	3.099	2.4	20.0
10 18	0 33.84	− 1 50.8	2.131	3.092	5.8	20.3
10 28	0 28.41	− 2 56.4	2.184	3.085	9.2	20.5
11 7	0 24.51	− 3 46.1	2.261	3.079	12.2	20.6

439690 2014 JE_{60} 10 4.6 25.°45 3.°8/ 1.2 18

8 29	1 5.38	− 2 55.1	1.717	2.581	14.3	20.3
9 8	1 1.42	− 3 44.0	1.656	2.586	10.8	20.1
9 18	0 55.34	− 4 38.3	1.618	2.591	7.0	19.9
9 28	0 47.82	− 5 31.5	1.605	2.596	4.0	19.8
10 8	0 39.79	− 6 16.6	1.618	2.602	4.8	19.8
10 18	0 32.25	− 6 47.7	1.658	2.608	8.3	20.1
10 28	0 26.11	− 7 1.0	1.723	2.615	11.8	20.3
11 7	0 22.03	− 6 55.1	1.810	2.622	15.0	20.5

320076 2007 EF_{54} 10 4.6 62.°22 0.°0/ 4.7 18

8 29	1 2.16	+ 8 44.5	2.255	3.082	12.6	20.8
9 8	0 58.57	+ 7 55.0	2.177	3.084	9.7	20.6
9 18	0 53.35	+ 6 52.2	2.122	3.086	6.3	20.4
9 28	0 47.00	+ 5 39.7	2.094	3.089	2.6	20.1
10 8	0 40.21	+ 4 23.2	2.094	3.091	1.3	20.0
10 18	0 33.73	+ 3 8.7	2.123	3.094	5.0	20.3
10 28	0 28.27	+ 2 2.3	2.181	3.097	8.5	20.5
11 7	0 24.39	+ 1 8.5	2.263	3.099	11.5	20.7

449073 2012 FL_{59} 10 4.6 275.°50 1.°5/ 2.9 18

8 29	1 4.91	+ 2 1.7	2.236	3.078	12.2	21.4
9 8	1 0.78	+ 1 28.6	2.146	3.064	9.3	21.2
9 18	0 54.86	+ 0 47.3	2.080	3.050	5.9	21.0
9 28	0 47.65	+ 0 1.6	2.040	3.037	2.5	20.7
10 8	0 39.87	− 0 43.5	2.029	3.023	2.5	20.7
10 18	0 32.31	− 1 22.9	2.047	3.009	6.0	20.9
10 28	0 25.78	− 1 52.2	2.092	2.995	9.5	21.1
11 7	0 20.89	− 2 8.1	2.161	2.981	12.6	21.3

135565 2002 GU_{10} 10 4.6 39.°02 1.°6/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.45	+ 5 30.5	0.961	1.842	21.3	18.7
9 8	1 3.23	+ 4 35.8	0.928	1.866	16.1	18.5
9 18	0 56.85	+ 3 22.5	0.913	1.891	10.1	18.2
9 28	0 48.45	+ 2 0.0	0.919	1.917	3.9	18.0
10 8	0 39.60	+ 0 40.6	0.948	1.944	3.3	18.1
10 18	0 31.84	− 0 24.7	1.000	1.971	9.0	18.5
10 28	0 26.41	− 1 7.8	1.074	2.000	14.1	18.9
11 7	0 23.95	− 1 25.9	1.167	2.029	18.3	19.2

178824 2001 FF_{189} 10 4.6 58.°51 8.°1/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.47	−11 36.5	1.239	2.112	18.0	19.0
9 8	1 8.64	−12 38.2	1.211	2.139	14.0	18.9
9 18	0 59.99	−13 34.3	1.202	2.165	10.2	18.7
9 28	0 49.64	−14 14.6	1.217	2.192	8.1	18.7
10 8	0 39.03	−14 31.3	1.257	2.219	9.2	18.8
10 18	0 29.56	−14 20.9	1.320	2.247	12.2	19.1
10 28	0 22.34	−13 44.1	1.406	2.274	15.5	19.4
11 7	0 17.95	−12 44.9	1.510	2.301	18.5	19.7

240171 2002 PM_{179} 10 4.6 42.°30 0.°0/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 4.53	+ 8 0.5	1.694	2.536	15.5	20.9
9 8	1 0.88	+ 7 19.0	1.626	2.541	11.9	20.7
9 18	0 55.07	+ 6 21.7	1.578	2.546	7.7	20.5
9 28	0 47.77	+ 5 13.1	1.556	2.552	3.1	20.2
10 8	0 39.89	+ 4 0.0	1.560	2.557	1.6	20.1
10 18	0 32.47	+ 2 50.3	1.592	2.563	6.2	20.4
10 28	0 26.46	+ 1 51.2	1.649	2.570	10.4	20.7
11 7	0 22.52	+ 1 7.9	1.730	2.576	14.1	20.9

313347 2002 GU_{109} 10 4.6 52.°90 4.°2/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 2.09	− 4 0.3	2.093	2.955	12.1	19.9
9 8	0 58.59	− 5 29.7	2.032	2.961	9.1	19.7
9 18	0 53.39	− 7 4.1	1.996	2.966	6.1	19.5
9 28	0 47.04	− 8 36.2	1.986	2.972	4.3	19.4
10 8	0 40.27	− 9 58.6	2.005	2.978	5.4	19.5
10 18	0 33.86	−11 5.0	2.052	2.984	8.2	19.7
10 28	0 28.56	−11 51.0	2.124	2.990	11.1	19.9
11 7	0 24.90	−12 15.4	2.218	2.996	13.7	20.1

436065 2009 RZ_{73} 10 4.6 158.°71 2.°6/29.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 0.99	− 9 58.4	4.690	5.529	6.3	21.6
9 8	0 56.80	−10 17.1	4.619	5.531	4.8	21.4
9 18	0 51.82	−10 34.7	4.574	5.533	3.4	21.3
9 28	0 46.32	−10 49.1	4.559	5.535	2.6	21.3
10 8	0 40.64	−10 58.3	4.574	5.536	3.1	21.3
10 18	0 35.11	−11 0.7	4.619	5.538	4.4	21.4
10 28	0 30.08	−10 55.1	4.692	5.539	5.8	21.5
11 7	0 25.83	−10 41.2	4.790	5.541	7.2	21.6

401268 2012 BG_{143} 10 4.6 113.°73 2.°8/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 3.97	+16 44.7	2.315	3.102	13.6	21.4
9 8	0 59.96	+16 23.9	2.234	3.109	10.9	21.2
9 18	0 54.26	+15 46.2	2.175	3.115	7.8	21.0
9 28	0 47.39	+14 52.9	2.142	3.121	4.7	20.8
10 8	0 40.08	+13 47.8	2.136	3.127	2.8	20.7
10 18	0 33.09	+12 36.2	2.159	3.133	4.6	20.9
10 28	0 27.16	+11 24.4	2.211	3.139	7.7	21.1
11 7	0 22.86	+10 18.5	2.289	3.145	10.7	21.3

300703 2007 VG_{94} 10 4.6 246.°67 2.°1/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.79	− 0 9.4	2.239	3.078	12.3	21.7
9 8	1 3.75	− 0 36.6	2.147	3.063	9.4	21.5
9 18	0 56.82	− 1 10.0	2.078	3.048	6.0	21.3
9 28	0 48.49	− 1 45.8	2.037	3.032	2.8	21.0
10 8	0 39.53	− 2 19.2	2.024	3.015	3.0	21.0
10 18	0 30.79	− 2 45.5	2.041	2.998	6.4	21.2
10 28	0 23.12	− 3 0.8	2.085	2.981	9.9	21.4
11 7	0 17.19	− 3 2.6	2.154	2.964	13.0	21.6

480441 2015 KR_{136} 10 4.6 37.°90 4.°1/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.23	− 3 4.7	1.311	2.184	17.3	20.1
9 8	1 4.72	− 3 38.3	1.269	2.202	13.0	19.9
9 18	0 57.58	− 4 16.7	1.247	2.222	8.4	19.7
9 28	0 48.75	− 4 52.6	1.249	2.242	4.5	19.5
10 8	0 39.48	− 5 18.6	1.276	2.263	5.2	19.6
10 18	0 31.05	− 5 29.2	1.327	2.284	9.1	19.9
10 28	0 24.55	− 5 21.2	1.403	2.306	13.2	20.2
11 7	0 20.63	− 4 54.6	1.499	2.329	16.7	20.5

8151 Andranada 10 4.6 111.°75 2.°6/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.98	+14 14.2	1.566	2.379	17.9	17.3
9 8	1 5.94	+13 58.0	1.502	2.395	14.2	17.1
9 18	0 58.40	+13 20.6	1.458	2.410	9.8	16.9
9 28	0 49.12	+12 24.2	1.438	2.426	5.3	16.6
10 8	0 39.26	+11 14.5	1.445	2.440	2.7	16.5
10 18	0 30.03	+ 9 59.6	1.479	2.454	6.1	16.8
10 28	0 22.54	+ 8 48.5	1.539	2.468	10.4	17.1
11 7	0 17.51	+ 7 48.7	1.623	2.481	14.2	17.3

325514 2009 RH_{57} 10 4.6 6.°13 0.°1/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.67	+ 9 24.4	2.330	3.153	12.4	21.1
9 8	0 58.19	+ 8 27.8	2.248	3.153	9.5	20.9
9 18	0 53.12	+ 7 17.3	2.190	3.153	6.2	20.7
9 28	0 46.95	+ 5 56.6	2.158	3.153	2.6	20.4
10 8	0 40.35	+ 4 31.4	2.156	3.154	1.2	20.3
10 18	0 34.02	+ 3 7.9	2.183	3.154	4.9	20.6
10 28	0 28.68	+ 1 52.5	2.239	3.154	8.3	20.8
11 7	0 24.86	+ 0 50.0	2.319	3.154	11.3	21.0

201510 2003 OT_5 10 4.6 55.°53 5.°5/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.02	− 6 27.4	1.527	2.397	15.4	19.4
9 8	1 3.60	− 7 30.3	1.477	2.408	11.7	19.2
9 18	0 56.81	− 8 35.3	1.450	2.420	8.0	19.0
9 28	0 48.46	− 9 34.2	1.447	2.432	5.6	18.9
10 8	0 39.62	−10 18.6	1.469	2.444	6.7	19.0
10 18	0 31.43	−10 42.9	1.518	2.456	10.0	19.2
10 28	0 24.91	−10 44.2	1.590	2.468	13.5	19.4
11 7	0 20.71	−10 23.0	1.682	2.481	16.5	19.7

365729 2010 VM_{208} 10 4.6 145.°55 0.°4/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.36	+ 6 36.7	2.243	3.065	12.8	20.8
9 8	1 3.31	+ 6 36.7	2.163	3.067	9.9	20.7
9 18	0 56.45	+ 6 27.3	2.106	3.069	6.5	20.4
9 28	0 48.31	+ 6 10.6	2.076	3.071	2.8	20.2
10 8	0 39.66	+ 5 49.8	2.075	3.072	1.2	20.1
10 18	0 31.32	+ 5 28.8	2.102	3.074	5.0	20.4
10 28	0 24.11	+ 5 11.7	2.158	3.075	8.5	20.6
11 7	0 18.63	+ 5 1.9	2.239	3.077	11.6	20.8

92473 2000 LP 10 4.6 81.°20 3.°6/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.28	− 1 27.1	1.273	2.137	18.2	18.9
9 8	1 8.70	− 2 1.3	1.225	2.154	13.8	18.7
9 18	1 0.23	− 2 42.8	1.198	2.171	8.8	18.5
9 28	0 49.85	− 3 24.2	1.194	2.188	4.3	18.3
10 8	0 38.94	− 3 57.5	1.216	2.206	4.8	18.4
10 18	0 28.94	− 4 16.1	1.263	2.222	9.2	18.7
10 28	0 21.08	− 4 16.1	1.334	2.239	13.6	19.0
11 7	0 16.08	− 3 56.8	1.426	2.255	17.4	19.3

112920 2002 QR_{62} 10 4.6 138.°67 2.°1/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.54	+ 3 27.1	1.567	2.420	15.9	20.8
9 8	1 3.32	+ 2 24.4	1.501	2.425	12.1	20.5
9 18	0 56.73	+ 1 8.2	1.456	2.429	7.7	20.3
9 28	0 48.47	− 0 14.9	1.437	2.434	3.2	20.0
10 8	0 39.60	− 1 35.9	1.445	2.438	3.4	20.1
10 18	0 31.24	− 2 46.3	1.480	2.441	7.8	20.3
10 28	0 24.45	− 3 39.0	1.540	2.445	12.1	20.6
11 7	0 19.96	− 4 10.2	1.622	2.448	15.8	20.9

437038 2012 TV_{311} 10 4.6 24.°23 2.°7/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.41	− 3 22.1	1.176	2.044	19.2	19.3
9 8	1 10.60	− 2 49.2	1.125	2.055	14.6	19.0
9 18	1 1.61	− 2 18.4	1.094	2.068	9.4	18.8
9 28	0 50.46	− 1 45.8	1.086	2.082	4.2	18.6
10 8	0 38.66	− 1 7.8	1.104	2.098	3.8	18.6
10 18	0 27.84	− 0 22.0	1.146	2.114	8.7	18.9
10 28	0 19.38	+ 0 32.7	1.213	2.131	13.5	19.2
11 7	0 14.06	+ 1 36.5	1.300	2.150	17.6	19.6

189142 2002 FK_{35} 10 4.6 92.°43 2.°3/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 4.73	+15 20.6	2.342	3.134	13.3	20.4
9 8	1 0.44	+14 58.1	2.272	3.151	10.6	20.2
9 18	0 54.51	+14 19.8	2.223	3.167	7.4	20.1
9 28	0 47.50	+13 27.8	2.200	3.183	4.2	19.9
10 8	0 40.12	+12 25.9	2.206	3.199	2.3	19.8
10 18	0 33.11	+11 19.4	2.241	3.215	4.5	20.0
10 28	0 27.18	+10 14.2	2.304	3.230	7.6	20.2
11 7	0 22.87	+ 9 15.7	2.394	3.246	10.4	20.4

451982 2014 NN_{55} 10 4.6 250.°22 1.°9/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.44	+11 26.6	2.378	3.181	12.8	20.7
9 8	1 2.66	+11 34.6	2.285	3.173	10.1	20.6
9 18	0 56.08	+11 30.8	2.215	3.166	7.0	20.3
9 28	0 48.20	+11 16.2	2.170	3.158	3.7	20.1
10 8	0 39.73	+10 53.2	2.155	3.150	2.0	20.0
10 18	0 31.47	+10 25.2	2.168	3.142	4.7	20.2
10 28	0 24.23	+ 9 57.0	2.211	3.134	8.0	20.4
11 7	0 18.63	+ 9 32.9	2.278	3.125	11.1	20.6

318340 2004 TW_{222} 10 4.7 316.°88 3.°2/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.62	+14 37.3	2.178	2.973	14.1	20.4
9 8	1 2.98	+14 59.2	2.090	2.969	11.4	20.2
9 18	0 56.37	+15 7.0	2.023	2.965	8.2	20.0
9 28	0 48.34	+15 0.7	1.982	2.961	5.0	19.8
10 8	0 39.67	+14 42.1	1.968	2.958	3.2	19.6
10 18	0 31.24	+14 14.8	1.982	2.954	5.2	19.8
10 28	0 23.95	+13 43.7	2.024	2.951	8.4	20.0
11 7	0 18.48	+13 14.4	2.092	2.948	11.5	20.2

421659 2014 OO_{364} 10 4.7 153.°65 5.°5/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.76	+21 53.4	2.303	3.054	14.6	20.9
9 8	1 3.84	+22 32.8	2.215	3.054	12.3	20.7
9 18	0 56.94	+22 55.2	2.147	3.054	9.7	20.5
9 28	0 48.58	+22 58.9	2.103	3.054	7.1	20.4
10 8	0 39.55	+22 44.5	2.085	3.054	5.6	20.3
10 18	0 30.76	+22 14.5	2.096	3.054	6.2	20.3
10 28	0 23.11	+21 34.2	2.134	3.054	8.4	20.5
11 7	0 17.30	+20 49.9	2.198	3.054	11.0	20.6

219497 2001 FC_{88} 10 4.7 55.°67 5.°9/ 1.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 18.87	− 8 26.9	1.219	2.085	18.7	18.9
9 8	1 12.04	− 8 43.1	1.184	2.111	14.3	18.7
9 18	1 2.23	− 8 57.0	1.169	2.138	9.7	18.5
9 28	0 50.60	− 9 1.2	1.177	2.164	6.3	18.4
10 8	0 38.68	− 8 49.5	1.211	2.191	6.9	18.5
10 18	0 27.98	− 8 19.1	1.270	2.218	10.5	18.8
10 28	0 19.69	− 7 30.4	1.353	2.245	14.4	19.1
11 7	0 14.45	− 6 25.7	1.456	2.272	17.8	19.4

396460 2014 FW_{19} 10 4.7 17.°62 0.°2/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.65	+ 9 0.5	1.341	2.199	17.9	19.4
9 8	0 59.19	+ 8 3.1	1.279	2.203	13.7	19.1
9 18	0 54.23	+ 6 44.6	1.237	2.209	8.9	18.9
9 28	0 47.51	+ 5 10.9	1.218	2.215	3.6	18.6
10 8	0 40.13	+ 3 32.1	1.225	2.222	1.9	18.5
10 18	0 33.31	+ 1 59.0	1.257	2.230	7.3	18.9
10 28	0 28.15	+ 0 41.6	1.313	2.239	12.1	19.2
11 7	0 25.37	− 0 13.7	1.391	2.248	16.1	19.4

290875 2005 WC_{60} 10 4.7 327.°78 1.°9/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.50	+13 46.6	2.024	2.837	14.4	20.7
9 8	0 59.15	+13 15.8	1.939	2.832	11.4	20.5
9 18	0 53.92	+12 27.0	1.874	2.828	7.9	20.3
9 28	0 47.34	+11 22.5	1.835	2.824	4.2	20.0
10 8	0 40.20	+10 7.2	1.823	2.820	2.0	19.9
10 18	0 33.34	+ 8 47.5	1.840	2.816	5.1	20.1
10 28	0 27.63	+ 7 31.1	1.884	2.812	8.8	20.3
11 7	0 23.70	+ 6 24.4	1.953	2.809	12.2	20.5

78469 2002 RN_{44} 10 4.7 358.°76 2.°1/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.49	+ 1 22.8	1.590	2.449	15.5	19.3
9 8	1 2.56	+ 0 55.1	1.521	2.447	11.8	19.1
9 18	0 56.28	+ 0 18.0	1.473	2.447	7.5	18.8
9 28	0 48.33	− 0 23.5	1.449	2.446	3.2	18.6
10 8	0 39.72	− 1 2.6	1.452	2.446	3.2	18.6
10 18	0 31.57	− 1 33.3	1.482	2.446	7.5	18.8
10 28	0 24.92	− 1 50.2	1.536	2.447	11.7	19.1
11 7	0 20.52	− 1 50.4	1.612	2.449	15.4	19.3

396747 2003 SQ_{219} 10 4.7 46.°02 0.°3/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.38	+ 5 0.8	1.600	2.445	16.1	20.5
9 8	1 4.69	+ 4 54.4	1.534	2.452	12.3	20.3
9 18	0 57.61	+ 4 36.4	1.490	2.459	8.0	20.1
9 28	0 48.85	+ 4 10.4	1.470	2.467	3.2	19.8
10 8	0 39.48	+ 3 41.5	1.477	2.475	1.8	19.7
10 18	0 30.64	+ 3 15.4	1.511	2.483	6.5	20.1
10 28	0 23.40	+ 2 57.5	1.571	2.491	10.9	20.3
11 7	0 18.48	+ 2 51.5	1.654	2.500	14.6	20.6

389664 2011 OZ_{57} 10 4.7 66.°73 8.°6/28.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 14.22	−16 8.6	1.555	2.415	15.7	20.5
9 8	1 8.05	−17 9.1	1.525	2.440	12.6	20.4
9 18	0 59.49	−18 0.5	1.516	2.465	9.9	20.3
9 28	0 49.49	−18 34.0	1.532	2.490	8.6	20.3
10 8	0 39.24	−18 43.4	1.573	2.515	9.6	20.4
10 18	0 29.94	−18 26.2	1.639	2.540	12.0	20.6
10 28	0 22.55	−17 43.7	1.728	2.565	14.6	20.9
11 7	0 17.64	−16 39.8	1.836	2.589	17.0	21.1

317847 2003 SW_{432} 10 4.7 88.°44 2.°2/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.52	+12 56.2	2.353	3.152	13.0	20.4
9 8	1 1.88	+13 1.4	2.274	3.158	10.3	20.2
9 18	0 55.52	+12 53.7	2.217	3.165	7.2	20.1
9 28	0 47.97	+12 34.1	2.186	3.171	4.0	19.9
10 8	0 39.94	+12 5.2	2.183	3.177	2.3	19.8
10 18	0 32.22	+11 31.0	2.210	3.183	4.6	19.9
10 28	0 25.56	+10 56.2	2.265	3.190	7.7	20.1
11 7	0 20.55	+10 25.5	2.345	3.196	10.6	20.3

433168 2012 TH_{286} 10 4.7 50.°24 2.°3/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 14.58	− 0 56.2	1.414	2.270	17.2	19.9
9 8	1 8.70	− 0 53.1	1.363	2.287	13.0	19.7
9 18	1 0.15	− 0 55.7	1.334	2.306	8.3	19.5
9 28	0 49.85	− 0 59.6	1.329	2.325	3.6	19.3
10 8	0 39.05	− 0 59.5	1.350	2.344	3.4	19.3
10 18	0 29.08	− 0 51.5	1.398	2.363	7.8	19.6
10 28	0 21.09	− 0 32.3	1.471	2.383	12.1	20.0
11 7	0 15.77	− 0 0.9	1.566	2.403	15.8	20.2

339324 2004 XA_{132} 10 4.7 357.°68 13.°3/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.67	−19 58.0	0.974	1.872	19.7	18.8
9 8	1 2.40	−21 3.2	0.931	1.864	16.6	18.6
9 18	0 56.70	−21 52.7	0.905	1.858	14.2	18.4
9 28	0 48.58	−22 12.3	0.898	1.854	13.4	18.4
10 8	0 39.66	−21 52.1	0.910	1.853	14.7	18.5
10 18	0 31.64	−20 49.1	0.942	1.854	17.4	18.6
10 28	0 25.99	−19 7.0	0.991	1.858	20.6	18.8
11 7	0 23.53	−16 54.3	1.056	1.864	23.6	19.1

265293 2004 GL_{38} 10 4.7 135.°06 2.°4/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.10	+13 43.5	1.861	2.665	15.8	21.0
9 8	1 4.99	+13 31.2	1.789	2.677	12.5	20.8
9 18	0 57.69	+13 1.0	1.738	2.688	8.7	20.6
9 28	0 48.88	+12 14.9	1.711	2.698	4.7	20.4
10 8	0 39.50	+11 17.1	1.713	2.708	2.4	20.3
10 18	0 30.59	+10 14.1	1.742	2.717	5.5	20.5
10 28	0 23.13	+ 9 13.2	1.800	2.725	9.3	20.8
11 7	0 17.80	+ 8 20.7	1.882	2.733	12.8	21.0

275294 2010 NF_{18} 10 4.7 29.°54 1.°5/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.62	+11 12.8	1.043	1.907	21.4	20.7
9 8	1 2.04	+10 48.0	0.992	1.917	16.7	20.5
9 18	0 56.33	+ 9 57.3	0.958	1.928	11.2	20.2
9 28	0 48.42	+ 8 45.6	0.945	1.939	5.2	19.9
10 8	0 39.75	+ 7 22.4	0.954	1.952	2.1	19.8
10 18	0 31.88	+ 5 59.8	0.987	1.966	7.7	20.2
10 28	0 26.17	+ 4 49.6	1.042	1.980	13.1	20.5
11 7	0 23.44	+ 3 59.7	1.117	1.995	17.7	20.9

401738 2013 JB_{35} 10 4.7 171.°56 2.°1/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.37	+14 42.1	2.550	3.340	12.4	21.0
9 8	1 0.15	+14 21.2	2.463	3.342	9.8	20.8
9 18	0 54.37	+13 45.9	2.399	3.344	6.9	20.6
9 28	0 47.50	+12 57.8	2.362	3.345	3.9	20.4
10 8	0 40.19	+12 0.2	2.353	3.347	2.1	20.3
10 18	0 33.15	+10 57.7	2.374	3.347	4.3	20.5
10 28	0 27.05	+ 9 55.7	2.423	3.348	7.3	20.7
11 7	0 22.45	+ 8 59.5	2.499	3.348	10.1	20.9

283844 2003 UH_{116} 10 4.7 337.°69 3.°4/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.32	− 0 58.1	1.335	2.212	16.8	19.8
9 8	1 1.45	− 1 32.0	1.261	2.197	12.8	19.6
9 18	0 55.88	− 2 15.2	1.207	2.184	8.3	19.3
9 28	0 48.28	− 3 1.1	1.176	2.172	4.1	19.0
10 8	0 39.78	− 3 41.3	1.170	2.160	4.7	19.0
10 18	0 31.66	− 4 8.1	1.188	2.150	9.3	19.3
10 28	0 25.22	− 4 15.8	1.229	2.141	13.9	19.5
11 7	0 21.36	− 4 1.8	1.289	2.133	18.0	19.7

393772 2005 GV_{146} 10 4.7 94.°83 0.°5/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.16	+ 8 53.6	1.915	2.743	14.5	21.4
9 8	1 1.92	+ 8 26.2	1.843	2.750	11.2	21.2
9 18	0 55.68	+ 7 44.7	1.793	2.757	7.4	21.0
9 28	0 48.06	+ 6 52.3	1.769	2.764	3.2	20.8
10 8	0 39.93	+ 5 54.4	1.773	2.770	1.3	20.6
10 18	0 32.20	+ 4 57.0	1.804	2.777	5.5	20.9
10 28	0 25.76	+ 4 6.6	1.863	2.784	9.4	21.2
11 7	0 21.25	+ 3 28.0	1.946	2.790	12.8	21.4

228097 2008 SQ_{31} 10 4.7 340.°44 1.°6/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.30	+14 4.5	4.053	4.835	8.3	20.5
9 8	0 55.04	+13 55.9	3.959	4.832	6.6	20.4
9 18	0 50.85	+13 38.9	3.888	4.830	4.7	20.3
9 28	0 46.02	+13 14.3	3.846	4.827	2.7	20.1
10 8	0 40.94	+12 44.0	3.832	4.824	1.6	20.0
10 18	0 35.98	+12 10.2	3.848	4.821	2.9	20.1
10 28	0 31.55	+11 35.6	3.895	4.819	4.8	20.3
11 7	0 27.98	+11 3.1	3.968	4.817	6.7	20.4

364596 2007 RO_{177} 10 4.7 72.°00 0.°8/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.33	+ 6 32.2	1.221	2.078	19.3	21.2
9 8	1 5.82	+ 5 46.2	1.173	2.098	14.7	21.0
9 18	0 58.46	+ 4 42.6	1.145	2.118	9.4	20.7
9 28	0 49.20	+ 3 28.0	1.141	2.138	3.6	20.5
10 8	0 39.41	+ 2 12.2	1.161	2.158	2.5	20.5
10 18	0 30.49	+ 1 5.1	1.206	2.177	7.9	20.9
10 28	0 23.65	+ 0 14.8	1.276	2.197	12.8	21.2
11 7	0 19.61	− 0 14.3	1.367	2.217	16.8	21.5

160646 1999 XK_{44} 10 4.7 330.°98 0.°3/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.22	+ 7 9.2	1.407	2.263	17.3	19.2
9 8	1 1.34	+ 6 59.1	1.325	2.247	13.5	18.9
9 18	0 55.83	+ 6 32.8	1.262	2.233	8.9	18.7
9 28	0 48.28	+ 5 53.4	1.222	2.219	3.8	18.3
10 8	0 39.78	+ 5 6.8	1.207	2.205	1.7	18.1
10 18	0 31.57	+ 4 20.6	1.218	2.193	7.1	18.5
10 28	0 24.95	+ 3 42.7	1.252	2.182	12.2	18.7
11 7	0 20.84	+ 3 19.5	1.307	2.171	16.6	19.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1699 Honkasalo			10 4.7	32.°53	2.°1/ 6.1	18
	h m	° ′			°	m
8 29	1 6.87	+11 1.0	1.025	1.888	21.8	15.0
9 8	1 3.81	+10 56.9	0.976	1.899	17.1	14.7
9 18	0 57.51	+10 28.4	0.943	1.911	11.5	14.5
9 28	0 48.91	+ 9 38.9	0.931	1.924	5.6	14.2
10 8	0 39.55	+ 8 36.4	0.941	1.938	2.4	14.1
10 18	0 31.03	+ 7 31.6	0.974	1.953	7.7	14.4
10 28	0 24.79	+ 6 35.5	1.030	1.969	13.1	14.8
11 7	0 21.66	+ 5 56.1	1.106	1.986	17.7	15.1
178467 1999 RZ_{114}			10 4.7	1.°03	4.°3/ 7.7	18
8 29	1 2.13	+14 56.2	1.048	1.903	21.9	19.3
9 8	1 0.41	+15 10.0	0.985	1.900	17.7	19.0
9 18	0 55.50	+14 55.7	0.938	1.898	12.8	18.7
9 28	0 48.20	+14 13.4	0.910	1.898	7.5	18.4
10 8	0 39.86	+13 8.9	0.905	1.899	4.3	18.3
10 18	0 32.10	+11 52.2	0.921	1.902	7.7	18.5
10 28	0 26.43	+10 36.4	0.960	1.906	12.9	18.8
11 7	0 23.85	+ 9 33.0	1.018	1.911	17.7	19.1
322160 2010 WA_{65}			10 4.7	41.°26	4.°6/ 9.8	18
8 29	1 4.55	+20 27.4	2.050	2.826	15.5	20.4
9 8	1 0.72	+20 31.9	1.972	2.832	12.8	20.2
9 18	0 54.94	+20 16.3	1.914	2.839	9.7	20.0
9 28	0 47.79	+19 40.5	1.879	2.845	6.6	19.8
10 8	0 40.08	+18 47.3	1.871	2.852	4.7	19.7
10 18	0 32.73	+17 41.7	1.890	2.860	5.7	19.8
10 28	0 26.61	+16 30.9	1.937	2.867	8.5	20.0
11 7	0 22.36	+15 22.3	2.008	2.875	11.5	20.2
40351 1999 NZ_{11}			10 4.7	27.°37	4.°6/30.8	18
8 29	1 4.67	− 2 19.2	1.380	2.257	16.3	18.2
9 8	1 1.36	− 3 30.7	1.327	2.263	12.3	18.0
9 18	0 55.56	− 4 50.0	1.295	2.271	8.0	17.8
9 28	0 48.06	− 6 8.3	1.287	2.279	4.8	17.6
10 8	0 39.98	− 7 15.4	1.304	2.288	5.9	17.7
10 18	0 32.51	− 8 3.6	1.347	2.297	9.8	18.0
10 28	0 26.73	− 8 27.7	1.412	2.307	13.7	18.3
11 7	0 23.33	− 8 26.9	1.498	2.317	17.2	18.5
308106 2004 WG			10 4.7	262.°36	7.°1/24.5	17
8 29	1 9.83	−22 30.7	3.019	3.845	9.8	20.7
9 8	1 4.18	−23 28.9	2.935	3.817	8.4	20.5
9 18	0 56.95	−24 20.4	2.877	3.788	7.3	20.4
9 28	0 48.58	−24 59.5	2.845	3.759	7.2	20.4
10 8	0 39.70	−25 21.5	2.840	3.729	8.0	20.4
10 18	0 31.01	−25 23.4	2.862	3.699	9.5	20.5
10 28	0 23.20	−25 4.3	2.909	3.667	11.3	20.5
11 7	0 16.84	−24 25.2	2.976	3.635	12.9	20.6
71319 2000 AQ_{82}			10 4.7	309.°75	0.°1/ 4.8	18
8 29	1 3.80	+ 7 12.3	2.084	2.918	13.3	19.7
9 8	1 0.12	+ 6 48.9	1.996	2.906	10.3	19.5
9 18	0 54.57	+ 6 13.3	1.929	2.895	6.7	19.2
9 28	0 47.66	+ 5 28.5	1.889	2.884	2.8	19.0
10 8	0 40.15	+ 4 39.1	1.876	2.874	1.3	18.8
10 18	0 32.87	+ 3 50.5	1.891	2.863	5.4	19.1
10 28	0 26.68	+ 3 8.4	1.934	2.853	9.2	19.3
11 7	0 22.23	+ 2 37.3	2.001	2.843	12.6	19.5
209307 2003 YX_{157}			10 4.7	281.°81	1.°7/ 6.2	18
8 29	1 7.52	+10 44.4	1.839	2.661	15.3	20.7
9 8	1 3.26	+10 43.5	1.751	2.652	12.1	20.5
9 18	0 56.76	+10 27.5	1.685	2.642	8.3	20.2
9 28	0 48.60	+ 9 58.1	1.643	2.633	4.1	20.0
10 8	0 39.67	+ 9 18.8	1.627	2.624	1.9	19.8
10 18	0 31.02	+ 8 35.0	1.640	2.615	5.7	20.0
10 28	0 23.67	+ 7 53.3	1.679	2.606	9.8	20.2
11 7	0 18.41	+ 7 19.7	1.743	2.597	13.6	20.5
305905 2009 FS_{41}			10 4.7	345.°22	3.°1/ 2.1	18
8 29	1 5.94	− 1 9.7	1.622	2.485	15.0	20.5
9 8	1 2.14	− 1 46.5	1.551	2.481	11.4	20.2
9 18	0 56.03	− 2 30.8	1.502	2.476	7.3	20.0
9 28	0 48.28	− 3 16.6	1.478	2.473	3.7	19.8
10 8	0 39.86	− 3 56.9	1.480	2.469	4.2	19.8
10 18	0 31.86	− 4 25.5	1.508	2.466	8.1	20.0
10 28	0 25.32	− 4 37.6	1.561	2.464	12.1	20.3
11 7	0 20.97	− 4 31.2	1.636	2.462	15.7	20.5
362271 2009 PY_{20}			10 4.7	75.°08	1.°6/ 2.7	18
8 29	1 3.19	+ 3 16.3	2.157	3.001	12.5	20.7
9 8	0 59.39	+ 2 16.7	2.092	3.011	9.4	20.5
9 18	0 53.92	+ 1 7.5	2.050	3.022	5.9	20.3
9 28	0 47.33	− 0 6.1	2.035	3.032	2.5	20.1
10 8	0 40.35	− 1 17.9	2.049	3.042	2.6	20.2
10 18	0 33.74	− 2 21.9	2.092	3.052	6.0	20.4
10 28	0 28.23	− 3 13.1	2.162	3.063	9.3	20.6
11 7	0 24.34	− 3 48.3	2.256	3.073	12.2	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
442763 2012 XG_{53}			10 4.7	166.°44	4.°4/24.2	18
	h m	° ′			°	m
8 29	0 58.20	−20 52.8	4.769	5.606	6.3	21.5
9 8	0 54.81	−21 42.7	4.717	5.607	5.3	21.4
9 18	0 50.63	−22 28.1	4.691	5.609	4.6	21.4
9 28	0 45.94	−23 6.2	4.692	5.610	4.5	21.4
10 8	0 41.05	−23 34.5	4.721	5.612	5.1	21.4
10 18	0 36.31	−23 51.4	4.777	5.613	6.0	21.5
10 28	0 32.06	−23 56.0	4.857	5.614	7.1	21.6
11 7	0 28.57	−23 48.4	4.960	5.615	8.1	21.7
5955 Khromchenko			10 4.7	233.°45	3.°4/ 8.1	18
8 29	1 7.59	+16 6.0	2.208	2.994	14.2	17.5
9 8	1 2.98	+16 15.6	2.115	2.988	11.5	17.3
9 18	0 56.42	+16 9.4	2.044	2.981	8.4	17.1
9 28	0 48.43	+15 47.5	1.997	2.975	5.2	16.9
10 8	0 39.78	+15 12.2	1.979	2.968	3.4	16.8
10 18	0 31.35	+14 27.6	1.989	2.960	5.2	16.9
10 28	0 24.05	+13 39.3	2.026	2.953	8.4	17.1
11 7	0 18.55	+12 53.5	2.089	2.945	11.6	17.3
200499 2000 YE_{132}			10 4.7	224.°53	2.°1/ 2.3	18
8 29	1 7.75	+ 0 23.7	2.348	3.185	11.8	21.6
9 8	1 2.88	− 0 21.5	2.258	3.174	9.0	21.4
9 18	0 56.24	− 1 14.1	2.192	3.162	5.8	21.2
9 28	0 48.32	− 2 9.7	2.154	3.149	2.7	20.9
10 8	0 39.84	− 3 3.0	2.146	3.135	3.1	20.9
10 18	0 31.58	− 3 48.8	2.166	3.121	6.3	21.1
10 28	0 24.33	− 4 22.6	2.215	3.106	9.6	21.3
11 7	0 18.73	− 4 41.7	2.288	3.090	12.6	21.5
384642 2011 ED_{52}			10 4.7	177.°42	1.°0/ 3.7	16
8 29	1 8.44	+ 4 54.5	1.830	2.668	14.6	22.3
9 8	1 3.78	+ 4 14.7	1.755	2.670	11.2	22.0
9 18	0 56.97	+ 3 22.6	1.702	2.671	7.1	21.8
9 28	0 48.64	+ 2 22.7	1.675	2.671	2.8	21.5
10 8	0 39.70	+ 1 21.4	1.676	2.672	2.2	21.5
10 18	0 31.16	+ 0 25.5	1.705	2.671	6.5	21.8
10 28	0 23.99	− 0 18.9	1.761	2.671	10.5	22.0
11 7	0 18.89	− 0 47.8	1.840	2.670	14.0	22.3
294469 2007 VA_{327}			10 4.7	348.°23	2.°0/ 6.2	14 C
8 29	0 59.27	+11 15.1	1.229	2.089	19.0	20.4
9 8	0 57.83	+11 6.5	1.154	2.076	15.1	20.1
9 18	0 53.68	+10 35.3	1.097	2.065	10.3	19.8
9 28	0 47.44	+ 9 43.5	1.061	2.055	5.1	19.5
10 8	0 40.26	+ 8 37.7	1.049	2.046	2.2	19.3
10 18	0 33.45	+ 7 27.1	1.060	2.040	7.1	19.6
10 28	0 28.35	+ 6 22.6	1.094	2.035	12.3	19.9
11 7	0 25.87	+ 5 33.2	1.149	2.032	16.9	20.1
389482 2010 EB_{107}			10 4.7	179.°50	1.°8/ 6.1	18
8 29	1 9.98	+10 5.0	1.807	2.627	15.5	20.8
9 8	1 5.08	+10 13.3	1.728	2.627	12.2	20.6
9 18	0 57.89	+10 7.5	1.670	2.628	8.3	20.4
9 28	0 49.04	+ 9 49.2	1.637	2.628	4.1	20.1
10 8	0 39.49	+ 9 21.6	1.631	2.628	2.0	20.0
10 18	0 30.31	+ 8 49.9	1.653	2.627	5.7	20.2
10 28	0 22.54	+ 8 19.8	1.702	2.627	9.8	20.5
11 7	0 16.95	+ 7 56.9	1.775	2.627	13.4	20.7
191915 2005 MJ_{19}			10 4.7	342.°41	5.°1/24.6	18
8 29	0 58.99	−19 49.1	3.923	4.765	7.4	19.3
9 8	0 55.58	−20 43.5	3.867	4.763	6.1	19.2
9 18	0 51.20	−21 33.2	3.836	4.761	5.3	19.1
9 28	0 46.19	−22 14.5	3.833	4.759	5.1	19.1
10 8	0 40.94	−22 44.3	3.857	4.757	5.8	19.2
10 18	0 35.88	−23 0.7	3.908	4.756	7.0	19.3
10 28	0 31.40	−23 2.6	3.983	4.754	8.3	19.4
11 7	0 27.85	−22 50.2	4.080	4.752	9.5	19.5
13782 1998 UM_{18}			10 4.7	348.°09	4.°6/25.3	18
8 29	0 57.43	−14 33.8	3.662	4.516	7.6	18.1
9 8	0 54.48	−15 52.1	3.600	4.512	6.1	18.0
9 18	0 50.55	−17 8.2	3.565	4.509	4.9	17.9
9 28	0 45.94	−18 17.9	3.559	4.506	4.7	17.9
10 8	0 41.07	−19 17.1	3.581	4.504	5.5	18.0
10 18	0 36.35	−20 3.1	3.630	4.501	6.9	18.1
10 28	0 32.22	−20 33.8	3.705	4.499	8.4	18.2
11 7	0 29.02	−20 48.8	3.802	4.497	9.8	18.3
487180 2014 OQ_{316}			10 4.7	49.°06	8.°0/13.0	18
8 29	1 9.74	+27 48.8	2.039	2.761	17.1	20.4
9 8	1 4.88	+28 47.2	1.968	2.776	14.8	20.2
9 18	0 57.74	+29 23.4	1.915	2.791	12.2	20.1
9 28	0 48.99	+29 34.2	1.885	2.807	9.8	20.0
10 8	0 39.55	+29 19.4	1.879	2.822	8.2	19.9
10 18	0 30.51	+28 42.0	1.898	2.838	8.2	19.9
10 28	0 22.90	+27 48.3	1.944	2.854	9.7	20.1
11 7	0 17.45	+26 46.7	2.014	2.871	11.9	20.2

446577 2014 OG_{154} 10 4.7 317.°62 5.°8/28.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 5.10	−10 11.5	2.032	2.895	12.4	20.3
9 8	1 1.06	−11 15.6	1.966	2.890	9.7	20.1
9 18	0 55.12	−12 19.5	1.923	2.884	7.1	19.9
9 28	0 47.88	−13 16.1	1.906	2.879	5.8	19.9
10 8	0 40.12	−13 58.9	1.916	2.874	6.9	19.9
10 18	0 32.72	−14 22.9	1.952	2.869	9.4	20.1
10 28	0 26.51	−14 25.6	2.013	2.865	12.2	20.2
11 7	0 22.11	−14 7.1	2.095	2.860	14.8	20.4

99133 2001 FQ_{98} 10 4.7 74.°63 3.°1/ 1.4 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 5.46	+ 1 1.4	1.761	2.617	14.3	18.6
9 8	1 1.35	− 0 23.5	1.712	2.638	10.7	18.4
9 18	0 55.26	− 1 57.5	1.685	2.659	6.8	18.3
9 28	0 47.89	− 3 32.8	1.685	2.679	3.4	18.1
10 8	0 40.15	− 5 0.9	1.713	2.700	4.2	18.2
10 18	0 32.97	− 6 14.3	1.769	2.720	7.7	18.5
10 28	0 27.18	− 7 7.8	1.851	2.741	11.2	18.7
11 7	0 23.36	− 7 39.2	1.955	2.761	14.2	19.0

388190 2006 DK_{22} 10 4.7 227.°86 2.°0/ 2.8 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 7.35	+ 2 1.1	1.834	2.681	14.2	22.0
9 8	1 3.00	+ 1 17.7	1.756	2.677	10.8	21.7
9 18	0 56.50	+ 0 24.1	1.701	2.672	6.9	21.5
9 28	0 48.48	− 0 34.4	1.671	2.667	3.0	21.2
10 8	0 39.82	− 1 31.4	1.670	2.662	3.1	21.3
10 18	0 31.51	− 2 20.1	1.696	2.657	7.1	21.5
10 28	0 24.52	− 2 55.1	1.748	2.651	11.0	21.7
11 7	0 19.56	− 3 13.1	1.823	2.646	14.4	21.9

377269 2004 DA_{50} 10 4.7 124.°44 0.°8/ 5.4 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 10.52	+ 9 24.4	1.775	2.598	15.7	21.6
9 8	1 5.34	+ 9 0.7	1.708	2.611	12.1	21.4
9 18	0 57.94	+ 8 21.8	1.663	2.624	8.0	21.2
9 28	0 49.03	+ 7 30.8	1.643	2.637	3.6	20.9
10 8	0 39.58	+ 6 33.4	1.651	2.649	1.5	20.8
10 18	0 30.66	+ 5 36.1	1.688	2.661	5.8	21.1
10 28	0 23.24	+ 4 45.8	1.751	2.672	9.9	21.4
11 7	0 18.01	+ 4 7.5	1.839	2.682	13.5	21.6

49708 1999 VH_{26} 10 4.7 218.°40 0.°5/ 5.2 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 9.08	+ 8 57.2	1.834	2.659	15.2	19.8
9 8	1 4.42	+ 8 28.8	1.747	2.652	11.8	19.5
9 18	0 57.51	+ 7 44.7	1.681	2.644	7.8	19.3
9 28	0 48.92	+ 6 48.0	1.641	2.636	3.4	19.0
10 8	0 39.60	+ 5 44.1	1.629	2.627	1.4	18.9
10 18	0 30.57	+ 4 39.9	1.645	2.618	6.0	19.1
10 28	0 22.89	+ 3 42.7	1.689	2.608	10.3	19.4
11 7	0 17.34	+ 2 58.4	1.756	2.597	14.1	19.6

258728 2002 GH_{104} 10 4.7 141.°54 5.°3/28.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 6.65	−11 44.6	2.425	3.277	11.0	20.2
9 8	1 1.84	−12 38.8	2.366	3.282	8.6	20.0
9 18	0 55.43	−13 30.8	2.331	3.287	6.4	19.9
9 28	0 47.96	−14 15.0	2.323	3.291	5.3	19.9
10 8	0 40.12	−14 46.4	2.343	3.296	6.2	19.9
10 18	0 32.64	−15 1.5	2.391	3.300	8.3	20.1
10 28	0 26.24	−14 58.6	2.464	3.304	10.7	20.2
11 7	0 21.42	−14 38.0	2.560	3.308	12.8	20.4

352342 2007 VA_{74} 10 4.7 263.°22 2.°0/ 2.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 8.79	+ 0 39.6	2.040	2.882	13.2	21.7
9 8	1 4.02	+ 0 12.9	1.947	2.865	10.1	21.5
9 18	0 57.17	− 0 21.4	1.877	2.847	6.5	21.2
9 28	0 48.79	− 0 59.2	1.834	2.829	2.9	21.0
10 8	0 39.67	− 1 35.4	1.818	2.811	3.0	20.9
10 18	0 30.76	− 2 4.6	1.832	2.792	6.7	21.1
10 28	0 23.01	− 2 22.3	1.872	2.773	10.5	21.3
11 7	0 17.17	− 2 25.6	1.936	2.754	13.9	21.5

308329 2005 ND_{35} 10 4.7 181.°20 3.°3/ 8.2 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 7.61	+16 25.6	2.274	3.057	13.9	21.1
9 8	1 2.90	+16 31.7	2.187	3.057	11.3	20.9
9 18	0 56.31	+16 22.0	2.121	3.058	8.2	20.7
9 28	0 48.39	+15 56.9	2.081	3.058	5.1	20.5
10 8	0 39.89	+15 18.8	2.069	3.057	3.3	20.4
10 18	0 31.67	+14 31.9	2.085	3.057	5.0	20.5
10 28	0 24.56	+13 41.8	2.130	3.056	8.1	20.7
11 7	0 19.20	+12 54.4	2.200	3.055	11.1	20.9

201090 2002 GH_{88} 10 4.7 118.°69 6.°1/28.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 10.47	−10 57.2	1.953	2.808	13.2	20.2
9 8	1 5.01	−11 58.3	1.902	2.821	10.2	20.0
9 18	0 57.57	−12 57.2	1.875	2.834	7.5	19.9
9 28	0 48.84	−13 46.8	1.874	2.846	6.1	19.8
10 8	0 39.72	−14 20.7	1.901	2.858	7.1	19.9
10 18	0 31.15	−14 35.0	1.954	2.869	9.5	20.1
10 28	0 24.00	−14 28.0	2.032	2.881	12.3	20.3
11 7	0 18.85	−14 0.8	2.132	2.891	14.7	20.5

353591 2011 TX_7 10 4.7 11.°56 0.°0/ 4.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 4.74	+ 7 30.1	1.670	2.513	15.6	20.9
9 8	1 1.17	+ 6 58.5	1.598	2.514	12.0	20.6
9 18	0 55.39	+ 6 11.8	1.547	2.516	7.8	20.4
9 28	0 48.05	+ 5 14.0	1.521	2.517	3.2	20.1
10 8	0 40.08	+ 4 11.5	1.522	2.520	1.6	20.0
10 18	0 32.53	+ 3 11.7	1.549	2.522	6.3	20.3
10 28	0 26.39	+ 2 21.5	1.603	2.525	10.6	20.6
11 7	0 22.36	+ 1 46.0	1.679	2.528	14.3	20.8

359782 2011 UC_{159} 10 4.7 294.°38 2.°3/ 2.4 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 4.81	+ 1 29.0	1.886	2.738	13.7	20.8
9 8	1 0.99	+ 0 37.0	1.810	2.734	10.4	20.5
9 18	0 55.18	− 0 24.8	1.757	2.730	6.6	20.3
9 28	0 47.95	− 1 30.8	1.730	2.725	3.0	20.1
10 8	0 40.13	− 2 34.3	1.730	2.721	3.4	20.1
10 18	0 32.65	− 3 28.6	1.758	2.717	7.1	20.3
10 28	0 26.41	− 4 8.2	1.812	2.713	10.9	20.5
11 7	0 22.07	− 4 29.9	1.889	2.709	14.1	20.7

320077 2007 EY_{62} 10 4.7 141.°90 1.°1/ 3.3 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 4.80	+ 3 10.2	2.513	3.346	11.3	21.5
9 8	1 0.42	+ 2 32.8	2.439	3.352	8.5	21.3
9 18	0 54.53	+ 1 47.7	2.390	3.359	5.4	21.2
9 28	0 47.62	+ 0 58.6	2.368	3.364	2.2	21.0
10 8	0 40.33	+ 0 10.0	2.376	3.370	2.0	21.0
10 18	0 33.33	− 0 33.7	2.413	3.375	5.2	21.2
10 28	0 27.30	− 1 8.5	2.478	3.380	8.2	21.4
11 7	0 22.73	− 1 31.6	2.568	3.385	10.9	21.6

213963 2003 YM_{33} 10 4.7 314.°43 2.°3/ 2.8 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 3.53	+ 2 39.9	1.525	2.389	15.8	20.0
9 8	1 0.78	+ 1 54.2	1.428	2.358	12.1	19.7
9 18	0 55.52	+ 0 53.9	1.353	2.328	7.8	19.3
9 28	0 48.26	− 0 15.8	1.301	2.298	3.4	19.0
10 8	0 39.95	− 1 26.8	1.275	2.268	3.6	18.9
10 18	0 31.75	− 2 29.9	1.275	2.239	8.4	19.2
10 28	0 24.93	− 3 16.8	1.298	2.211	13.3	19.4
11 7	0 20.45	− 3 41.9	1.342	2.183	17.6	19.6

195146 2002 CS_{201} 10 4.7 40.°75 7.°9/10.2 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 14.06	+21 12.9	1.487	2.267	20.1	19.0
9 8	1 8.88	+22 33.2	1.421	2.278	16.9	18.8
9 18	1 0.71	+23 31.0	1.372	2.289	13.3	18.7
9 28	0 50.32	+24 2.1	1.346	2.301	9.9	18.5
10 8	0 38.98	+24 5.4	1.344	2.313	7.9	18.4
10 18	0 28.17	+23 44.4	1.366	2.325	8.7	18.5
10 28	0 19.28	+23 6.8	1.414	2.338	11.5	18.7
11 7	0 13.27	+22 22.7	1.484	2.351	14.8	18.9

71661 2000 EP_{130} 10 4.7 132.°74 0.°4/ 4.2 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 5.22	+ 4 48.0	2.550	3.377	11.3	19.7
9 8	1 0.75	+ 4 27.6	2.473	3.381	8.6	19.5
9 18	0 54.75	+ 3 59.2	2.420	3.386	5.5	19.3
9 28	0 47.72	+ 3 25.5	2.394	3.390	2.2	19.1
10 8	0 40.29	+ 2 50.5	2.397	3.394	1.4	19.0
10 18	0 33.15	+ 2 17.9	2.430	3.398	4.7	19.3
10 28	0 26.95	+ 1 51.5	2.492	3.402	7.8	19.5
11 7	0 22.21	+ 1 34.4	2.578	3.406	10.6	19.7

230014 2000 GQ_{54} 10 4.7 165.°43 1.°1/ 5.7 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 7.10	+11 9.1	1.710	2.535	16.1	21.0
9 8	1 2.97	+10 34.1	1.634	2.537	12.6	20.7
9 18	0 56.57	+ 9 40.4	1.578	2.539	8.4	20.5
9 28	0 48.55	+ 8 31.5	1.548	2.540	3.9	20.2
10 8	0 39.88	+ 7 13.6	1.544	2.542	1.6	20.1
10 18	0 31.62	+ 5 54.7	1.568	2.543	6.0	20.4
10 28	0 24.81	+ 4 43.0	1.619	2.543	10.3	20.6
11 7	0 20.17	+ 3 45.4	1.694	2.544	14.1	20.9

444595 2006 UA_{123} 10 4.7 24.°08 0.°5/ 5.2 15

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 3.20	+ 9 44.9	1.695	2.533	15.6	21.9
9 8	0 59.95	+ 9 2.9	1.625	2.537	12.1	21.7
9 18	0 54.58	+ 8 3.5	1.577	2.542	8.0	21.5
9 28	0 47.72	+ 6 50.8	1.552	2.547	3.4	21.2
10 8	0 40.30	+ 5 31.7	1.555	2.553	1.4	21.1
10 18	0 33.30	+ 4 14.2	1.585	2.559	6.0	21.4
10 28	0 27.68	+ 3 6.2	1.641	2.565	10.2	21.7
11 7	0 24.09	+ 2 13.6	1.720	2.572	13.8	21.9

15851 Chrisfleming 10 4.7 126.°39 6.°1/11.4 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 9.49	+24 46.4	2.169	2.906	15.8	18.2
9 8	1 4.48	+25 9.8	2.090	2.917	13.4	18.0
9 18	0 57.41	+25 12.1	2.030	2.927	10.7	17.8
9 28	0 48.87	+24 52.0	1.994	2.938	8.0	17.7
10 8	0 39.74	+24 10.7	1.984	2.948	6.2	17.6
10 18	0 30.97	+23 12.3	2.001	2.957	6.6	17.7
10 28	0 23.51	+22 3.4	2.046	2.966	8.7	17.8
11 7	0 18.03	+20 52.0	2.116	2.975	11.3	18.0

249710 2000 QO_{13} 10 4.7 10.°34 3.°7/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 56.78	+ 2 36.6	0.785	1.697	21.7	19.2
9 8	0 56.69	+ 1 28.7	0.744	1.699	16.4	18.9
9 18	0 53.20	+ 0 1.0	0.719	1.704	10.4	18.6
9 28	0 47.30	− 1 34.2	0.713	1.711	4.7	18.3
10 8	0 40.55	− 3 1.2	0.727	1.721	5.5	18.4
10 18	0 34.64	− 4 6.2	0.762	1.732	11.2	18.8
10 28	0 31.02	− 4 40.1	0.815	1.746	16.7	19.2
11 7	0 30.49	− 4 41.1	0.884	1.762	21.3	19.5

393618 2004 BC_{156} 10 4.7 81.°46 3.°6/ 1.2 18

8 29	1 6.71	− 2 52.8	1.869	2.727	13.6	21.2
9 8	1 2.31	− 3 47.9	1.810	2.736	10.2	21.0
9 18	0 55.94	− 4 48.0	1.774	2.745	6.7	20.8
9 28	0 48.24	− 5 46.9	1.764	2.755	3.9	20.7
10 8	0 40.09	− 6 37.8	1.781	2.764	4.7	20.8
10 18	0 32.41	− 7 15.2	1.826	2.773	7.9	21.0
10 28	0 26.06	− 7 35.1	1.897	2.783	11.2	21.2
11 7	0 21.65	− 7 36.3	1.989	2.792	14.2	21.4

507699 2013 TD_{67} 10 4.7 111.°44 3.°8/ 8.2 17

8 29	1 11.33	+17 47.4	1.621	2.416	18.1	21.6
9 8	1 6.22	+17 34.0	1.557	2.434	14.6	21.4
9 18	0 58.65	+16 56.9	1.512	2.452	10.6	21.2
9 28	0 49.38	+15 57.5	1.491	2.470	6.4	21.0
10 8	0 39.54	+14 41.0	1.496	2.487	3.8	20.9
10 18	0 30.34	+13 15.3	1.529	2.503	6.1	21.1
10 28	0 22.86	+11 50.3	1.588	2.519	10.0	21.4
11 7	0 17.81	+10 34.7	1.672	2.534	13.7	21.6

71840 2000 US_{74} 10 4.7 159.°60 1.°2/ 3.7 18

8 29	1 12.61	+ 3 30.5	1.666	2.507	15.8	19.7
9 8	1 7.15	+ 3 4.4	1.596	2.512	12.0	19.4
9 18	0 59.26	+ 2 27.3	1.548	2.517	7.7	19.2
9 28	0 49.66	+ 1 43.7	1.525	2.521	3.1	18.9
10 8	0 39.40	+ 0 59.7	1.529	2.525	2.5	18.9
10 18	0 29.64	+ 0 21.8	1.562	2.528	7.0	19.2
10 28	0 21.50	− 0 4.4	1.620	2.531	11.3	19.5
11 7	0 15.70	− 0 15.5	1.702	2.533	15.0	19.7

209852 2005 JS_{20} 10 4.7 164.°33 5.°7/28.6 18

8 29	1 6.77	− 9 31.7	2.039	2.898	12.5	20.4
9 8	1 2.28	−10 44.4	1.978	2.901	9.7	20.2
9 18	0 55.91	−11 57.3	1.941	2.902	7.1	20.1
9 28	0 48.24	−13 3.1	1.930	2.904	5.7	20.0
10 8	0 40.11	−13 54.9	1.947	2.906	6.8	20.1
10 18	0 32.38	−14 27.7	1.991	2.907	9.3	20.2
10 28	0 25.88	−14 38.8	2.059	2.908	12.1	20.4
11 7	0 21.22	−14 28.4	2.148	2.909	14.6	20.6

102409 1999 TN_{175} 10 4.7 356.°71 1.°7/ 6.1 18

8 29	1 4.77	+11 0.6	1.467	2.307	17.5	19.8
9 8	1 1.59	+10 51.0	1.394	2.305	13.8	19.5
9 18	0 55.89	+10 22.3	1.340	2.303	9.4	19.3
9 28	0 48.35	+ 9 36.9	1.309	2.302	4.6	19.0
10 8	0 40.04	+ 8 40.3	1.304	2.301	2.0	18.8
10 18	0 32.14	+ 7 40.1	1.324	2.301	6.4	19.1
10 28	0 25.84	+ 6 45.1	1.369	2.302	11.1	19.4
11 7	0 21.93	+ 6 2.2	1.436	2.303	15.2	19.6

223963 2004 XD_{87} 10 4.7 335.°74 1.°2/ 3.5 18

8 29	1 2.83	+ 4 0.9	1.864	2.715	13.9	20.2
9 8	0 59.58	+ 3 24.8	1.783	2.705	10.6	20.0
9 18	0 54.34	+ 2 37.4	1.724	2.696	6.8	19.7
9 28	0 47.67	+ 1 42.9	1.691	2.688	2.7	19.5
10 8	0 40.38	+ 0 47.4	1.684	2.680	2.3	19.4
10 18	0 33.37	− 0 2.8	1.705	2.672	6.4	19.7
10 28	0 27.56	− 0 41.7	1.752	2.666	10.4	19.9
11 7	0 23.63	− 1 5.4	1.822	2.659	13.8	20.1

53841 2000 FX 10 4.7 14.°14 1.°6/ 3.5 18

8 29	1 2.48	+ 4 52.6	1.086	1.967	19.5	17.9
9 8	1 0.34	+ 4 7.6	1.033	1.971	14.8	17.7
9 18	0 55.26	+ 3 4.5	0.999	1.977	9.4	17.4
9 28	0 48.11	+ 1 50.7	0.986	1.984	3.7	17.1
10 8	0 40.20	+ 0 37.0	0.996	1.992	3.2	17.1
10 18	0 32.98	− 0 25.8	1.029	2.001	8.7	17.5
10 28	0 27.74	− 1 9.1	1.085	2.012	13.9	17.8
11 7	0 25.27	− 1 28.4	1.160	2.024	18.2	18.1

467926 2012 AE_{16} 10 4.7 343.°38 4.°3/25.7 18

8 29	0 58.86	−17 58.3	4.361	5.204	6.7	20.8
9 8	0 55.40	−18 42.1	4.303	5.203	5.5	20.7
9 18	0 51.08	−19 22.2	4.270	5.203	4.5	20.6
9 28	0 46.21	−19 55.5	4.265	5.202	4.3	20.6
10 8	0 41.13	−20 19.5	4.288	5.202	4.9	20.7
10 18	0 36.21	−20 32.3	4.338	5.201	6.0	20.7
10 28	0 31.82	−20 32.9	4.414	5.201	7.3	20.8
11 7	0 28.25	−20 21.4	4.512	5.200	8.4	20.9

162250 1999 TK_{288} 10 4.7 315.°93 1.°3/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.28	+ 4 41.1	1.579	2.435	15.7	20.1
9 8	1 1.09	+ 3 58.2	1.498	2.422	12.1	19.8
9 18	0 55.53	+ 3 0.6	1.438	2.411	7.8	19.6
9 28	0 48.22	+ 1 53.3	1.402	2.399	3.1	19.2
10 8	0 40.11	+ 0 44.0	1.392	2.388	2.6	19.2
10 18	0 32.32	− 0 19.1	1.409	2.377	7.4	19.5
10 28	0 25.95	− 1 8.4	1.451	2.367	11.9	19.7
11 7	0 21.81	− 1 38.8	1.514	2.357	15.9	19.9

54399 2000 KV_{82} 10 4.7 276.°90 3.°8/ 1.3 18

8 29	1 6.03	− 0 29.5	1.552	2.417	15.5	18.8
9 8	1 2.40	− 1 41.3	1.479	2.409	11.7	18.6
9 18	0 56.35	− 3 4.2	1.427	2.401	7.6	18.3
9 28	0 48.53	− 4 30.3	1.400	2.394	4.1	18.1
10 8	0 39.97	− 5 50.2	1.400	2.386	5.1	18.1
10 18	0 31.79	− 6 54.8	1.426	2.378	9.1	18.4
10 28	0 25.12	− 7 37.6	1.476	2.371	13.3	18.6
11 7	0 20.75	− 7 55.9	1.547	2.363	16.9	18.8

243674 1999 VV_{199} 10 4.7 345.°57 13.°1/24.1 18

8 29	1 2.20	−19 27.7	1.114	2.008	18.0	18.7
9 8	1 0.38	−21 7.3	1.062	1.991	15.4	18.5
9 18	0 55.45	−22 36.2	1.028	1.976	13.5	18.3
9 28	0 48.25	−23 39.4	1.015	1.962	13.2	18.3
10 8	0 40.12	−24 4.8	1.021	1.951	14.9	18.3
10 18	0 32.61	−23 46.1	1.047	1.941	17.7	18.5
10 28	0 27.13	−22 43.9	1.090	1.933	20.8	18.6
11 7	0 24.56	−21 4.5	1.148	1.928	23.7	18.8

144064 2004 BE_{43} 10 4.7 221.°01 1.°0/ 5.6 18

8 29	1 9.98	+ 9 31.9	1.791	2.613	15.6	21.0
9 8	1 5.22	+ 9 16.0	1.704	2.607	12.2	20.8
9 18	0 58.10	+ 8 44.5	1.638	2.599	8.2	20.5
9 28	0 49.25	+ 7 59.8	1.598	2.591	3.7	20.2
10 8	0 39.61	+ 7 6.7	1.585	2.583	1.5	20.1
10 18	0 30.28	+ 6 11.6	1.600	2.574	6.0	20.3
10 28	0 22.33	+ 5 21.7	1.643	2.565	10.3	20.6
11 7	0 16.59	+ 4 42.8	1.709	2.555	14.2	20.8

484255 2007 GH_{25} 10 4.7 183.°10 5.°1/26.7 18

8 29	1 4.89	−14 34.0	3.149	3.993	9.0	22.5
9 8	1 0.25	−15 41.3	3.086	3.994	7.2	22.4
9 18	0 54.33	−16 45.8	3.049	3.993	5.7	22.3
9 28	0 47.57	−17 42.7	3.041	3.993	5.2	22.2
10 8	0 40.48	−18 27.5	3.061	3.992	6.0	22.3
10 18	0 33.63	−18 57.2	3.109	3.990	7.6	22.4
10 28	0 27.58	−19 10.1	3.183	3.987	9.4	22.5
11 7	0 22.75	−19 6.2	3.280	3.985	11.1	22.7

293973 2007 TB_{54} 10 4.7 79.°36 1.°6/ 6.5 18

8 29	1 4.86	+14 0.5	1.814	2.629	15.7	20.6
9 8	1 1.04	+13 10.7	1.747	2.642	12.3	20.4
9 18	0 55.19	+12 0.8	1.701	2.656	8.4	20.2
9 28	0 47.98	+10 34.5	1.680	2.670	4.2	19.9
10 8	0 40.29	+ 8 58.5	1.687	2.684	1.8	19.8
10 18	0 33.08	+ 7 21.3	1.722	2.697	5.4	20.1
10 28	0 27.23	+ 5 51.3	1.784	2.711	9.3	20.3
11 7	0 23.36	+ 4 35.6	1.872	2.725	12.8	20.6

41166 1999 VJ_{172} 10 4.7 17.°96 2.°6/ 7.0 18

8 29	1 4.53	+12 52.1	1.716	2.539	16.1	18.0
9 8	1 1.00	+12 55.2	1.646	2.545	12.8	17.8
9 18	0 55.30	+12 41.1	1.597	2.552	8.9	17.6
9 28	0 48.07	+12 11.3	1.572	2.560	4.9	17.3
10 8	0 40.24	+11 29.7	1.573	2.568	2.6	17.2
10 18	0 32.84	+10 42.3	1.600	2.577	5.6	17.4
10 28	0 26.83	+ 9 55.9	1.654	2.587	9.5	17.7
11 7	0 22.91	+ 9 16.8	1.731	2.597	13.0	17.9

57518 2001 SB_{286} 10 4.7 43.°83 9.°8/26.6 18

8 29	1 9.40	−18 52.6	1.578	2.443	15.3	16.4
9 8	1 4.57	−20 9.6	1.550	2.462	12.5	16.3
9 18	0 57.42	−21 15.3	1.542	2.482	10.4	16.2
9 28	0 48.83	−22 0.3	1.558	2.502	9.8	16.2
10 8	0 39.94	−22 18.2	1.598	2.523	10.9	16.3
10 18	0 31.85	−22 6.4	1.662	2.543	13.0	16.5
10 28	0 25.50	−21 26.2	1.747	2.565	15.3	16.7
11 7	0 21.47	−20 21.7	1.851	2.586	17.5	16.9

398891 2013 CR_{102} 10 4.7 264.°84 1.°9/ 2.9 18

8 29	1 7.04	+ 1 23.2	1.963	2.809	13.5	21.1
9 8	1 2.67	+ 0 51.6	1.884	2.804	10.3	20.9
9 18	0 56.28	+ 0 11.7	1.827	2.798	6.6	20.6
9 28	0 48.46	− 0 32.1	1.797	2.793	2.8	20.4
10 8	0 40.05	− 1 14.2	1.795	2.787	2.9	20.4
10 18	0 31.95	− 1 49.2	1.820	2.782	6.6	20.6
10 28	0 25.07	− 2 12.3	1.872	2.776	10.4	20.8
11 7	0 20.09	− 2 20.7	1.947	2.771	13.6	21.0

421968 2014 QR_{285} 10 4.7 311.°79 7.°8/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.48	−18 50.7	2.242	3.094	11.8	20.6
9 8	1 1.98	−19 58.2	2.185	3.090	9.8	20.5
9 18	0 55.69	−20 58.8	2.151	3.086	8.2	20.4
9 28	0 48.17	−21 45.4	2.143	3.081	7.9	20.4
10 8	0 40.22	−22 12.4	2.161	3.077	8.9	20.4
10 18	0 32.65	−22 16.5	2.204	3.074	10.7	20.5
10 28	0 26.25	−21 56.7	2.270	3.070	12.8	20.7
11 7	0 21.60	−21 15.0	2.356	3.066	14.8	20.8

158851 2004 NV_{23} 10 4.7 354.°99 3.°7/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.70	+15 25.9	1.199	2.044	20.3	19.0
9 8	0 59.04	+15 21.8	1.128	2.038	16.4	18.7
9 18	0 54.54	+14 50.1	1.075	2.033	11.8	18.4
9 28	0 47.90	+13 51.9	1.043	2.030	6.8	18.1
10 8	0 40.32	+12 33.2	1.033	2.028	3.7	18.0
10 18	0 33.21	+11 4.0	1.047	2.027	7.1	18.2
10 28	0 27.91	+ 9 37.0	1.084	2.028	12.1	18.4
11 7	0 25.34	+ 8 23.2	1.142	2.030	16.6	18.7

509697 2008 RE_{99} 10 4.7 33.°48 0.°1/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 57.86	+ 7 12.1	4.150	4.964	7.6	21.5
9 8	0 54.70	+ 6 47.6	4.066	4.966	5.8	21.4
9 18	0 50.67	+ 6 17.1	4.006	4.968	3.7	21.2
9 28	0 46.08	+ 5 42.4	3.975	4.970	1.6	21.1
10 8	0 41.25	+ 5 5.6	3.975	4.972	0.7	21.0
10 18	0 36.57	+ 4 29.3	4.004	4.975	2.9	21.2
10 28	0 32.39	+ 3 55.9	4.063	4.977	5.0	21.3
11 7	0 29.02	+ 3 27.8	4.150	4.979	6.8	21.5

277390 2005 UM_{125} 10 4.7 177.°69 0.°1/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.36	+ 7 26.0	1.964	2.789	14.3	21.8
9 8	1 4.42	+ 7 0.3	1.885	2.791	11.0	21.6
9 18	0 57.41	+ 6 21.7	1.828	2.792	7.2	21.4
9 28	0 48.93	+ 5 33.4	1.798	2.793	3.0	21.1
10 8	0 39.85	+ 4 40.5	1.795	2.793	1.4	21.0
10 18	0 31.14	+ 3 49.0	1.822	2.793	5.7	21.3
10 28	0 23.73	+ 3 4.8	1.876	2.792	9.6	21.5
11 7	0 18.28	+ 2 32.5	1.954	2.790	13.1	21.7

454547 2014 OA_{355} 10 4.7 319.°14 0.°2/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.49	+ 6 36.6	1.960	2.799	13.8	21.5
9 8	1 0.04	+ 6 7.1	1.873	2.787	10.6	21.3
9 18	0 54.65	+ 5 24.8	1.809	2.776	6.9	21.0
9 28	0 47.83	+ 4 33.2	1.770	2.766	2.8	20.7
10 8	0 40.38	+ 3 37.5	1.758	2.755	1.5	20.6
10 18	0 33.18	+ 2 43.8	1.774	2.745	5.8	20.9
10 28	0 27.12	+ 1 58.2	1.817	2.736	9.7	21.1
11 7	0 22.89	+ 1 25.5	1.884	2.727	13.2	21.3

100509 1997 AH_{15} 10 4.7 146.°84 10.°8/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 12.33	−24 42.5	1.947	2.785	13.9	19.7
9 8	1 6.65	−26 38.3	1.914	2.797	12.1	19.6
9 18	0 58.76	−28 20.6	1.905	2.808	11.0	19.5
9 28	0 49.42	−29 39.5	1.921	2.818	11.0	19.6
10 8	0 39.65	−30 28.0	1.961	2.827	12.1	19.6
10 18	0 30.52	−30 43.2	2.023	2.835	13.8	19.8
10 28	0 22.96	−30 26.1	2.106	2.843	15.7	19.9
11 7	0 17.60	−29 40.9	2.206	2.850	17.3	20.1

48741 1997 EO_{42} 10 4.7 51.°50 1.°0/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.09	+ 9 56.2	1.212	2.062	19.9	18.7
9 8	1 4.96	+ 9 32.5	1.167	2.084	15.3	18.5
9 18	0 58.00	+ 8 48.2	1.140	2.107	10.1	18.3
9 28	0 49.16	+ 7 47.9	1.136	2.130	4.5	18.0
10 8	0 39.80	+ 6 40.1	1.156	2.154	1.8	17.9
10 18	0 31.31	+ 5 34.2	1.201	2.178	7.0	18.3
10 28	0 24.88	+ 4 39.4	1.271	2.202	11.9	18.7
11 7	0 21.20	+ 4 1.6	1.362	2.226	16.0	19.0

269415 2009 SV_{32} 10 4.7 289.°46 1.°6/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.70	+12 17.9	2.292	3.101	13.0	20.8
9 8	1 0.03	+11 59.2	2.189	3.081	10.3	20.6
9 18	0 54.58	+11 25.7	2.107	3.061	7.2	20.4
9 28	0 47.80	+10 39.1	2.052	3.041	3.7	20.1
10 8	0 40.38	+ 9 42.9	2.025	3.021	1.7	20.0
10 18	0 33.11	+ 8 42.0	2.026	3.001	4.8	20.1
10 28	0 26.79	+ 7 42.7	2.056	2.981	8.4	20.3
11 7	0 22.08	+ 6 50.5	2.110	2.961	11.7	20.5

443542 2014 KU_{7} 10 4.7 76.°32 0.°8/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.99	+ 3 59.2	1.888	2.728	14.2	21.2
9 8	1 3.39	+ 3 39.2	1.817	2.733	10.8	21.0
9 18	0 56.73	+ 3 9.4	1.769	2.738	6.9	20.7
9 28	0 48.64	+ 2 33.4	1.746	2.743	2.7	20.5
10 8	0 40.01	+ 1 56.5	1.751	2.747	2.0	20.4
10 18	0 31.79	+ 1 23.9	1.784	2.752	6.1	20.7
10 28	0 24.90	+ 1 0.4	1.844	2.757	10.0	21.0
11 7	0 19.98	+ 0 49.4	1.927	2.762	13.3	21.2

47569 2000 AP_{159} 10 4.7 197.°73 0.°8/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.38	+ 3 28.4	2.718	3.546	10.7	19.9
9 8	1 0.84	+ 3 3.8	2.634	3.544	8.1	19.7
9 18	0 54.84	+ 2 32.0	2.574	3.541	5.2	19.5
9 28	0 47.83	+ 1 56.1	2.542	3.538	2.1	19.3
10 8	0 40.41	+ 1 19.8	2.540	3.535	1.6	19.3
10 18	0 33.22	+ 0 46.6	2.567	3.532	4.7	19.5
10 28	0 26.89	+ 0 20.4	2.623	3.528	7.7	19.7
11 7	0 21.94	+ 0 3.8	2.705	3.524	10.4	19.9

327922 2007 DW_{36} 10 4.7 228.°26 2.°5/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.29	− 0 6.0	2.603	3.445	10.7	21.8
9 8	0 59.36	− 1 16.7	2.516	3.436	8.0	21.6
9 18	0 53.95	− 2 34.8	2.456	3.426	5.2	21.5
9 28	0 47.48	− 3 55.4	2.423	3.416	2.7	21.3
10 8	0 40.57	− 5 12.7	2.421	3.405	3.4	21.3
10 18	0 33.86	− 6 21.3	2.448	3.394	6.2	21.5
10 28	0 28.01	− 7 16.5	2.502	3.383	9.1	21.6
11 7	0 23.54	− 7 55.5	2.581	3.371	11.7	21.8

236842 2007 RF_{99} 10 4.7 123.°85 2.°9/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.81	+14 17.7	2.022	2.816	15.0	20.7
9 8	1 5.47	+14 26.8	1.948	2.828	12.0	20.5
9 18	0 58.05	+14 20.0	1.895	2.839	8.5	20.3
9 28	0 49.19	+13 58.1	1.868	2.850	4.9	20.1
10 8	0 39.77	+13 24.2	1.868	2.860	2.9	20.0
10 18	0 30.77	+12 42.7	1.897	2.870	5.3	20.2
10 28	0 23.10	+11 59.8	1.954	2.880	8.7	20.4
11 7	0 17.44	+11 21.3	2.036	2.889	11.9	20.7

426370 2013 OE_{5} 10 4.7 112.°40 3.°7/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.23	+16 59.7	1.500	2.306	18.8	21.7
9 8	1 5.67	+16 47.7	1.433	2.318	15.2	21.4
9 18	0 58.47	+16 11.2	1.385	2.330	10.9	21.2
9 28	0 49.41	+15 11.3	1.360	2.341	6.5	21.0
10 8	0 39.67	+13 53.6	1.360	2.353	3.7	20.9
10 18	0 30.53	+12 26.6	1.388	2.364	6.4	21.1
10 28	0 23.18	+11 0.8	1.442	2.374	10.6	21.3
11 7	0 18.37	+ 9 45.6	1.518	2.384	14.6	21.6

143981 2003 YH_{150} 10 4.7 293.°97 0.°5/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.01	+ 4 13.4	1.406	2.258	17.5	20.3
9 8	1 6.73	+ 4 12.5	1.320	2.241	13.6	20.0
9 18	0 59.51	+ 3 59.5	1.255	2.225	8.9	19.7
9 28	0 49.99	+ 3 37.6	1.212	2.209	3.6	19.4
10 8	0 39.33	+ 3 12.1	1.195	2.193	2.1	19.2
10 18	0 28.94	+ 2 49.6	1.205	2.177	7.7	19.5
10 28	0 20.25	+ 2 36.5	1.238	2.161	12.9	19.8
11 7	0 14.31	+ 2 37.6	1.293	2.146	17.4	20.0

443187 2014 DM_{38} 10 4.7 151.°88 3.°6/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.79	+17 31.7	2.130	2.910	14.8	21.9
9 8	1 3.92	+17 34.1	2.049	2.916	12.0	21.7
9 18	0 57.07	+17 18.7	1.988	2.922	8.8	21.5
9 28	0 48.80	+16 46.0	1.953	2.927	5.6	21.3
10 8	0 39.97	+15 58.7	1.945	2.932	3.6	21.2
10 18	0 31.48	+15 1.7	1.965	2.937	5.3	21.3
10 28	0 24.22	+14 1.4	2.014	2.941	8.4	21.5
11 7	0 18.85	+13 4.5	2.088	2.945	11.5	21.8

84009 2002 OM_{22} 10 4.7 14.°06 3.°4/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.17	+ 1 10.9	0.928	1.826	20.5	18.4
9 8	1 0.44	+ 0 24.9	0.884	1.831	15.5	18.1
9 18	0 55.49	− 0 35.3	0.857	1.838	9.9	17.8
9 28	0 48.26	− 1 40.2	0.849	1.847	4.5	17.6
10 8	0 40.27	− 2 38.0	0.864	1.857	5.0	17.6
10 18	0 33.10	− 3 18.5	0.900	1.869	10.3	18.0
10 28	0 28.14	− 3 34.7	0.957	1.883	15.4	18.3
11 7	0 26.20	− 3 24.9	1.032	1.898	19.8	18.7

80431 1999 XS_{227} 10 4.7 319.°14 3.°2/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.71	+ 0 40.1	1.275	2.150	17.5	19.4
9 8	1 2.75	− 0 5.3	1.200	2.135	13.4	19.1
9 18	0 56.93	− 1 3.8	1.144	2.121	8.7	18.8
9 28	0 48.92	− 2 8.0	1.111	2.107	4.1	18.5
10 8	0 39.88	− 3 8.5	1.103	2.094	4.6	18.5
10 18	0 31.23	− 3 55.8	1.118	2.082	9.5	18.8
10 28	0 24.33	− 4 22.4	1.157	2.070	14.5	19.0
11 7	0 20.16	− 4 24.6	1.215	2.059	18.9	19.3

221345 2005 WE_{81} 10 4.7 145.°45 0.°6/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.53	+ 4 46.2	2.553	3.379	11.3	21.2
9 8	1 1.00	+ 4 16.7	2.477	3.386	8.6	21.0
9 18	0 54.96	+ 3 38.9	2.426	3.392	5.5	20.8
9 28	0 47.89	+ 2 55.9	2.402	3.398	2.2	20.6
10 8	0 40.44	+ 2 11.9	2.408	3.404	1.5	20.6
10 18	0 33.28	+ 1 31.0	2.443	3.409	4.8	20.8
10 28	0 27.07	+ 0 57.2	2.506	3.414	7.9	21.0
11 7	0 22.31	+ 0 33.7	2.595	3.419	10.6	21.2

153270 2001 CW_{33} 10 4.7 216.°70 1.°1/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.10	+ 1 19.0	2.617	3.444	11.1	20.1
9 8	1 3.74	+ 1 10.1	2.529	3.439	8.4	19.9
9 18	0 56.77	+ 0 56.0	2.466	3.433	5.4	19.7
9 28	0 48.65	+ 0 39.3	2.430	3.426	2.2	19.5
10 8	0 40.06	+ 0 23.3	2.425	3.419	1.9	19.4
10 18	0 31.70	+ 0 11.1	2.450	3.412	5.1	19.6
10 28	0 24.28	+ 0 5.9	2.503	3.405	8.2	19.8
11 7	0 18.37	+ 0 9.7	2.582	3.397	10.9	20.0

109021 2001 QV_7 10 4.7 58.°16 2.°9/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.48	+ 2 22.2	1.374	2.240	17.1	19.8
9 8	1 2.76	+ 1 11.1	1.322	2.253	12.8	19.6
9 18	0 56.53	− 0 12.9	1.291	2.267	8.1	19.4
9 28	0 48.60	− 1 41.5	1.284	2.281	3.7	19.2
10 8	0 40.13	− 3 4.5	1.303	2.295	4.2	19.3
10 18	0 32.32	− 4 12.7	1.348	2.309	8.6	19.6
10 28	0 26.25	− 4 59.5	1.417	2.323	12.9	19.8
11 7	0 22.61	− 5 22.2	1.507	2.338	16.5	20.1

8061 Gaudium 10 4.7 350.°10 1.°3/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.84	+ 3 24.0	1.797	2.651	14.2	17.5
9 8	0 59.65	+ 2 52.3	1.721	2.645	10.8	17.3
9 18	0 54.44	+ 2 9.9	1.667	2.640	6.9	17.0
9 28	0 47.77	+ 1 21.2	1.638	2.635	2.8	16.8
10 8	0 40.49	+ 0 32.3	1.636	2.631	2.4	16.7
10 18	0 33.55	− 0 10.6	1.661	2.628	6.5	17.0
10 28	0 27.85	− 0 42.1	1.711	2.626	10.5	17.2
11 7	0 24.07	− 0 58.4	1.784	2.624	14.0	17.4

410897 2009 SQ_{111} 10 4.7 61.°81 2.°6/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.08	+13 9.7	2.206	3.005	13.8	20.6
9 8	1 3.28	+13 25.4	2.127	3.011	11.0	20.4
9 18	0 56.60	+13 27.7	2.071	3.017	7.8	20.2
9 28	0 48.61	+13 17.3	2.039	3.023	4.4	20.0
10 8	0 40.09	+12 56.5	2.036	3.029	2.6	19.9
10 18	0 31.88	+12 29.1	2.062	3.035	4.9	20.1
10 28	0 24.82	+11 59.9	2.115	3.041	8.1	20.3
11 7	0 19.55	+11 33.8	2.194	3.048	11.2	20.5

143282 2003 AL_{25} 10 4.7 203.°25 0.°9/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.76	+ 4 37.3	1.996	2.827	13.8	20.7
9 8	1 4.75	+ 4 4.5	1.912	2.823	10.6	20.4
9 18	0 57.66	+ 3 20.6	1.851	2.819	6.8	20.2
9 28	0 49.08	+ 2 29.6	1.817	2.813	2.7	19.9
10 8	0 39.86	+ 1 36.8	1.811	2.807	2.0	19.9
10 18	0 30.95	+ 0 48.2	1.835	2.801	6.1	20.1
10 28	0 23.30	+ 0 9.5	1.885	2.794	10.1	20.4
11 7	0 17.59	− 0 15.5	1.960	2.786	13.5	20.6

148235 2000 EC_6 10 4.7 231.°48 0.°0/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.55	+ 6 51.0	1.805	2.637	15.1	21.3
9 8	1 4.88	+ 6 27.2	1.718	2.628	11.7	21.1
9 18	0 57.91	+ 5 49.8	1.653	2.619	7.7	20.8
9 28	0 49.23	+ 5 1.9	1.614	2.609	3.2	20.5
10 8	0 39.77	+ 4 8.9	1.601	2.599	1.6	20.4
10 18	0 30.61	+ 3 17.4	1.617	2.588	6.3	20.7
10 28	0 22.80	+ 2 34.0	1.660	2.577	10.6	20.9
11 7	0 17.14	+ 2 3.7	1.726	2.566	14.4	21.1

6362 Tunis 10 4.7 328.°61 10.°0/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.25	−22 10.2	1.937	2.795	13.1	16.3
9 8	1 0.71	−23 46.1	1.882	2.783	11.3	16.2
9 18	0 55.10	−25 12.7	1.849	2.771	10.2	16.1
9 28	0 48.03	−26 20.7	1.841	2.759	10.2	16.1
10 8	0 40.40	−27 2.5	1.856	2.748	11.5	16.1
10 18	0 33.14	−27 14.1	1.894	2.737	13.4	16.2
10 28	0 27.19	−26 54.7	1.952	2.727	15.5	16.4
11 7	0 23.21	−26 7.1	2.028	2.717	17.4	16.5

185316 2006 UE_{329} 10 4.7 99.°58 0.°5/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.99	+ 8 26.1	2.029	2.856	13.9	21.3
9 8	1 1.80	+ 8 3.6	1.952	2.858	10.7	21.1
9 18	0 55.70	+ 7 28.1	1.897	2.860	7.1	20.9
9 28	0 48.26	+ 6 42.5	1.868	2.862	3.1	20.7
10 8	0 40.29	+ 5 51.7	1.867	2.865	1.3	20.5
10 18	0 32.66	+ 5 1.1	1.894	2.867	5.3	20.8
10 28	0 26.21	+ 4 16.5	1.948	2.869	9.1	21.0
11 7	0 21.59	+ 3 42.6	2.027	2.871	12.4	21.3

95353 2002 CY_{138} 10 4.7 97.°26 4.°3/30.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.72	− 1 11.5	1.679	2.543	14.5	19.2
9 8	1 1.11	− 2 52.1	1.618	2.548	10.9	19.0
9 18	0 55.36	− 4 42.4	1.580	2.553	7.1	18.8
9 28	0 48.13	− 6 33.1	1.568	2.558	4.4	18.6
10 8	0 40.37	− 8 14.3	1.584	2.563	5.6	18.7
10 18	0 33.06	− 9 37.1	1.626	2.568	9.1	18.9
10 28	0 27.15	−10 35.6	1.694	2.573	12.7	19.1
11 7	0 23.29	−11 7.8	1.782	2.578	15.9	19.4

441893 2010 CC_{182} 10 4.7 140.°37 1.°8/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.48	+12 8.8	2.149	2.951	14.0	22.3
9 8	1 4.32	+11 58.5	2.074	2.962	11.0	22.1
9 18	0 57.26	+11 33.7	2.020	2.972	7.6	21.9
9 28	0 48.88	+10 56.4	1.993	2.981	3.9	21.7
10 8	0 40.00	+10 10.3	1.994	2.990	1.9	21.6
10 18	0 31.51	+ 9 20.3	2.025	2.999	4.9	21.8
10 28	0 24.24	+ 8 32.4	2.084	3.007	8.4	22.1
11 7	0 18.82	+ 7 51.6	2.168	3.014	11.6	22.3

454224 2013 JW_{18} 10 4.7 146.°20 1.°7/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.50	+ 1 7.9	2.318	3.159	11.9	21.7
9 8	1 1.15	+ 0 32.8	2.243	3.161	9.0	21.6
9 18	0 55.14	− 0 9.1	2.193	3.163	5.7	21.4
9 28	0 48.00	− 0 53.8	2.170	3.165	2.5	21.2
10 8	0 40.42	− 1 36.5	2.175	3.167	2.6	21.2
10 18	0 33.16	− 2 12.6	2.210	3.169	5.8	21.4
10 28	0 26.92	− 2 38.1	2.271	3.171	9.0	21.6
11 7	0 22.27	− 2 50.7	2.357	3.172	11.8	21.8

476880 2008 VN_{40} 10 4.7 356.°46 8.°6/12.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.58	+25 24.7	1.271	2.067	22.1	21.2
9 8	0 59.05	+25 57.2	1.198	2.062	19.0	20.9
9 18	0 54.64	+25 56.5	1.140	2.058	15.4	20.7
9 28	0 48.01	+25 18.8	1.100	2.055	11.6	20.5
10 8	0 40.39	+24 5.5	1.082	2.054	8.9	20.3
10 18	0 33.18	+22 24.0	1.086	2.054	9.1	20.4
10 28	0 27.82	+20 27.5	1.113	2.055	12.0	20.5
11 7	0 25.26	+18 30.9	1.162	2.058	15.8	20.8

274486 2008 SZ_{104} 10 4.7 33.°91 2.°5/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.64	+16 47.1	1.489	2.309	18.3	19.7
9 8	0 59.88	+15 50.2	1.419	2.316	14.6	19.5
9 18	0 54.74	+14 25.5	1.369	2.322	10.2	19.3
9 28	0 47.92	+12 36.8	1.342	2.330	5.5	19.0
10 8	0 40.48	+10 32.6	1.342	2.338	2.5	18.9
10 18	0 33.55	+ 8 24.5	1.368	2.346	6.1	19.1
10 28	0 28.19	+ 6 24.9	1.421	2.355	10.6	19.4
11 7	0 25.10	+ 4 43.6	1.497	2.364	14.7	19.7

442852 2013 AC_{125} 10 4.7 267.°98 0.°1/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.71	+ 6 34.8	1.936	2.768	14.2	21.8
9 8	1 3.30	+ 6 21.1	1.851	2.760	11.0	21.5
9 18	0 56.80	+ 5 55.6	1.787	2.752	7.2	21.3
9 28	0 48.76	+ 5 21.1	1.749	2.745	3.0	21.0
10 8	0 40.05	+ 4 42.1	1.739	2.737	1.4	20.9
10 18	0 31.61	+ 4 3.9	1.757	2.729	5.8	21.2
10 28	0 24.41	+ 3 32.2	1.802	2.721	9.8	21.4
11 7	0 19.16	+ 3 11.3	1.871	2.713	13.3	21.6

118407 1999 RA_{201} 10 4.7 333.°73 9.°2/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.29	+27 2.4	1.704	2.457	18.9	18.1
9 8	1 1.49	+28 5.5	1.608	2.438	16.6	17.9
9 18	0 56.10	+28 45.1	1.529	2.420	13.9	17.6
9 28	0 48.64	+28 56.2	1.470	2.402	11.2	17.4
10 8	0 40.05	+28 37.0	1.434	2.386	9.4	17.3
10 18	0 31.57	+27 49.5	1.421	2.370	9.5	17.3
10 28	0 24.50	+26 40.7	1.433	2.356	11.5	17.3
11 7	0 19.87	+25 20.9	1.467	2.342	14.4	17.5

472375 2015 BA_{66} 10 4.7 148.°93 1.°6/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.54	+ 3 9.5	1.797	2.637	14.8	21.8
9 8	1 5.40	+ 2 25.6	1.729	2.646	11.2	21.6
9 18	0 58.08	+ 1 30.9	1.684	2.653	7.1	21.4
9 28	0 49.24	+ 0 30.7	1.664	2.661	2.9	21.1
10 8	0 39.85	− 0 28.3	1.673	2.667	2.7	21.1
10 18	0 30.95	− 1 19.6	1.710	2.673	6.9	21.4
10 28	0 23.50	− 1 57.5	1.774	2.679	10.8	21.7
11 7	0 18.18	− 2 18.7	1.861	2.684	14.2	21.9

339197 2004 TX_{211} 10 4.7 323.°32 0.°6/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.89	+ 4 36.6	1.482	2.335	16.7	21.4
9 8	1 4.06	+ 4 27.8	1.403	2.325	12.9	21.1
9 18	0 57.61	+ 4 6.5	1.344	2.315	8.4	20.8
9 28	0 49.18	+ 3 36.2	1.308	2.305	3.4	20.5
10 8	0 39.85	+ 3 2.7	1.299	2.296	2.0	20.4
10 18	0 30.86	+ 2 32.5	1.315	2.287	7.2	20.7
10 28	0 23.47	+ 2 12.0	1.356	2.279	12.0	21.0
11 7	0 18.56	+ 2 5.8	1.419	2.272	16.2	21.2

256665 2007 XX_{32} 10 4.7 306.°74 2.°2/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.80	+ 2 19.8	1.257	2.126	18.1	20.5
9 8	1 4.51	+ 1 50.9	1.178	2.109	14.0	20.2
9 18	0 58.19	+ 1 8.2	1.117	2.092	9.1	19.9
9 28	0 49.51	+ 0 17.1	1.079	2.076	3.8	19.5
10 8	0 39.67	− 0 33.8	1.065	2.060	3.6	19.4
10 18	0 30.14	− 1 15.6	1.076	2.044	9.0	19.7
10 28	0 22.43	− 1 40.2	1.109	2.029	14.4	20.0
11 7	0 17.58	− 1 43.3	1.162	2.014	19.0	20.2

298222 2002 UT_{24} 10 4.7 315.°19 1.°1/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.80	+10 56.8	1.757	2.587	15.5	20.3
9 8	1 0.55	+10 26.4	1.672	2.578	12.2	20.1
9 18	0 55.14	+ 9 37.9	1.607	2.569	8.2	19.9
9 28	0 48.12	+ 8 34.2	1.567	2.560	3.8	19.6
10 8	0 40.39	+ 7 20.9	1.554	2.552	1.5	19.4
10 18	0 32.95	+ 6 5.5	1.568	2.544	5.8	19.7
10 28	0 26.81	+ 4 56.3	1.608	2.536	10.1	19.9
11 7	0 22.70	+ 4 0.0	1.672	2.528	14.0	20.1

476760 2008 UH_{76} 10 4.7 21.°17 4.°1/ 2.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.18	− 3 44.3	1.149	2.029	18.7	20.7
9 8	1 6.01	− 3 53.1	1.102	2.039	14.2	20.5
9 18	0 58.82	− 4 5.8	1.074	2.050	9.3	20.2
9 28	0 49.60	− 4 15.7	1.069	2.063	4.8	20.0
10 8	0 39.75	− 4 16.0	1.087	2.077	5.2	20.1
10 18	0 30.77	− 4 2.0	1.129	2.092	9.6	20.4
10 28	0 23.94	− 3 31.0	1.194	2.108	14.1	20.7
11 7	0 20.01	− 2 43.4	1.279	2.126	18.0	21.0

260343 2004 TM_{248} 10 4.7 337.°04 0.°7/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.31	+ 8 31.4	1.761	2.600	15.1	20.9
9 8	1 0.18	+ 8 17.9	1.676	2.589	11.8	20.7
9 18	0 54.90	+ 7 49.7	1.612	2.578	7.8	20.4
9 28	0 48.03	+ 7 9.6	1.572	2.567	3.5	20.2
10 8	0 40.44	+ 6 22.3	1.559	2.557	1.4	20.0
10 18	0 33.12	+ 5 34.1	1.573	2.548	5.8	20.3
10 28	0 27.06	+ 4 51.6	1.612	2.540	10.1	20.5
11 7	0 23.01	+ 4 20.3	1.675	2.532	13.9	20.7

187110 2005 QC_{55} 10 4.7 14.°20 2.°3/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.36	+ 2 12.1	1.025	1.912	19.9	19.2
9 8	1 1.94	+ 1 44.2	0.975	1.917	15.1	18.9
9 18	0 56.41	+ 1 2.5	0.944	1.923	9.6	18.6
9 28	0 48.68	+ 0 14.2	0.933	1.931	4.0	18.3
10 8	0 40.18	− 0 31.1	0.945	1.940	3.8	18.4
10 18	0 32.44	− 1 4.4	0.980	1.951	9.2	18.7
10 28	0 26.83	− 1 18.8	1.036	1.964	14.4	19.1
11 7	0 24.17	− 1 11.7	1.111	1.977	18.7	19.4

223110 2002 VO_{16} 10 4.7 257.°92 1.°4/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.60	+ 2 26.8	1.589	2.436	16.0	20.4
9 8	1 6.71	+ 2 13.3	1.509	2.429	12.3	20.2
9 18	0 59.24	+ 1 49.8	1.451	2.422	8.0	19.9
9 28	0 49.84	+ 1 20.6	1.418	2.414	3.3	19.6
10 8	0 39.58	+ 0 51.2	1.411	2.407	2.6	19.5
10 18	0 29.71	+ 0 27.7	1.431	2.399	7.4	19.8
10 28	0 21.42	+ 0 15.5	1.477	2.391	11.9	20.1
11 7	0 15.57	+ 0 17.9	1.546	2.383	15.9	20.3

25919 Comuniello 10 4.7 0.°72 0.°1/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.93	+ 5 29.3	2.003	2.836	13.8	19.0
9 8	1 3.33	+ 5 31.3	1.925	2.835	10.6	18.8
9 18	0 56.74	+ 5 24.0	1.870	2.835	6.9	18.5
9 28	0 48.73	+ 5 9.6	1.840	2.835	2.9	18.3
10 8	0 40.14	+ 4 51.8	1.838	2.835	1.3	18.2
10 18	0 31.88	+ 4 34.6	1.864	2.836	5.5	18.5
10 28	0 24.84	+ 4 22.5	1.917	2.837	9.3	18.7
11 7	0 19.70	+ 4 18.9	1.995	2.838	12.6	18.9

353115 2009 FW_{15} 10 4.7 122.°86 1.°5/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.59	+ 3 47.5	2.082	2.921	13.1	21.7
9 8	1 1.37	+ 2 53.9	2.013	2.930	9.9	21.5
9 18	0 55.36	+ 1 50.1	1.967	2.937	6.3	21.3
9 28	0 48.13	+ 0 40.9	1.949	2.945	2.6	21.1
10 8	0 40.45	− 0 27.4	1.959	2.953	2.5	21.1
10 18	0 33.15	− 1 28.7	1.997	2.960	6.1	21.3
10 28	0 27.02	− 2 17.7	2.063	2.967	9.6	21.6
11 7	0 22.63	− 2 51.0	2.153	2.973	12.6	21.8

253398 2003 OE_{20} 10 4.7 66.°27 1.°8/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.05	+12 44.8	2.125	2.934	13.9	20.1
9 8	1 0.95	+12 26.2	2.056	2.947	10.9	19.9
9 18	0 55.09	+11 52.6	2.008	2.961	7.5	19.7
9 28	0 48.01	+11 6.1	1.987	2.975	3.9	19.5
10 8	0 40.51	+10 11.0	1.993	2.989	1.9	19.4
10 18	0 33.40	+ 9 12.8	2.027	3.003	4.7	19.6
10 28	0 27.45	+ 8 17.4	2.090	3.016	8.2	19.9
11 7	0 23.22	+ 7 30.1	2.177	3.030	11.3	20.1

322519 2011 YJ_4 10 4.7 297.°21 2.°4/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.08	− 6 22.1	4.293	5.139	6.7	20.4
9 8	0 54.86	− 6 59.9	4.218	5.137	5.1	20.3
9 18	0 50.81	− 7 38.6	4.169	5.135	3.5	20.2
9 28	0 46.20	− 8 15.4	4.149	5.133	2.4	20.1
10 8	0 41.38	− 8 47.8	4.159	5.131	2.9	20.1
10 18	0 36.70	− 9 13.6	4.198	5.128	4.4	20.3
10 28	0 32.50	− 9 31.0	4.265	5.126	6.1	20.4
11 7	0 29.08	− 9 38.8	4.357	5.124	7.6	20.5

72740 2001 FZ_{105} 10 4.7 89.°41 1.°9/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.48	+10 47.8	2.373	3.172	12.9	18.7
9 8	1 4.89	+11 5.7	2.300	3.186	10.2	18.6
9 18	0 57.56	+11 12.6	2.250	3.200	7.0	18.4
9 28	0 49.02	+11 9.4	2.226	3.214	3.7	18.2
10 8	0 40.04	+10 58.4	2.232	3.227	1.9	18.1
10 18	0 31.41	+10 42.8	2.268	3.241	4.5	18.3
10 28	0 23.92	+10 26.5	2.332	3.254	7.7	18.6
11 7	0 18.13	+10 13.5	2.423	3.268	10.6	18.8

112921 2002 QC_{63} 10 4.8 121.°34 0.°2/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.71	+ 7 33.8	1.621	2.457	16.3	20.3
9 8	1 5.00	+ 6 54.1	1.556	2.468	12.5	20.1
9 18	0 57.93	+ 5 58.8	1.512	2.479	8.1	19.8
9 28	0 49.23	+ 4 52.5	1.493	2.489	3.3	19.6
10 8	0 39.95	+ 3 42.3	1.502	2.499	1.7	19.5
10 18	0 31.22	+ 2 36.0	1.538	2.509	6.5	19.8
10 28	0 24.07	+ 1 41.0	1.600	2.518	10.9	20.1
11 7	0 19.22	+ 1 2.4	1.686	2.527	14.6	20.4

187007 2004 TG_{128} 10 4.8 354.°47 4.°1/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.20	− 3 59.1	1.734	2.601	14.0	19.7
9 8	1 0.73	− 4 47.3	1.667	2.598	10.6	19.5
9 18	0 55.16	− 5 40.3	1.622	2.595	7.1	19.2
9 28	0 48.11	− 6 31.6	1.602	2.592	4.3	19.1
10 8	0 40.47	− 7 14.1	1.609	2.591	5.2	19.1
10 18	0 33.24	− 7 42.0	1.641	2.590	8.5	19.3
10 28	0 27.34	− 7 51.3	1.699	2.589	12.1	19.5
11 7	0 23.44	− 7 41.0	1.777	2.590	15.2	19.8

400479 2008 GP_{89} 10 4.8 111.°98 0.°7/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.74	+ 4 26.9	2.645	3.469	11.1	21.8
9 8	1 1.79	+ 3 54.7	2.582	3.489	8.4	21.7
9 18	0 55.41	+ 3 14.9	2.543	3.509	5.3	21.5
9 28	0 48.10	+ 2 30.7	2.533	3.529	2.1	21.3
10 8	0 40.51	+ 1 46.3	2.552	3.548	1.5	21.3
10 18	0 33.27	+ 1 5.7	2.601	3.566	4.6	21.5
10 28	0 27.01	+ 0 32.5	2.679	3.585	7.6	21.8
11 7	0 22.17	+ 0 9.3	2.783	3.602	10.1	22.0

482426 2012 CG_9 10 4.8 105.°96 9.°1/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 12.91	+36 32.9	2.628	3.257	15.5	21.5
9 8	1 7.18	+37 40.4	2.548	3.270	14.0	21.4
9 18	0 59.30	+38 26.6	2.486	3.284	12.3	21.3
9 28	0 49.83	+38 47.8	2.445	3.297	10.7	21.2
10 8	0 39.64	+38 42.5	2.427	3.310	9.5	21.1
10 18	0 29.70	+38 11.9	2.434	3.322	9.1	21.1
10 28	0 21.00	+37 20.6	2.466	3.334	9.7	21.2
11 7	0 14.29	+36 15.6	2.524	3.347	10.9	21.3

70662 1999 TR_{282} 10 4.8 73.°73 1.°5/ 3.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.79	+ 4 14.7	1.674	2.523	15.3	19.3
9 8	1 2.64	+ 3 22.8	1.615	2.536	11.6	19.1
9 18	0 56.33	+ 2 18.8	1.578	2.550	7.3	18.9
9 28	0 48.56	+ 1 8.3	1.567	2.563	2.9	18.6
10 8	0 40.31	− 0 1.1	1.582	2.577	2.7	18.6
10 18	0 32.59	− 1 2.0	1.625	2.591	6.9	18.9
10 28	0 26.34	− 1 48.3	1.694	2.604	10.9	19.2
11 7	0 22.20	− 2 16.6	1.786	2.618	14.3	19.5

33296 1998 KN_{42} 10 4.8 32.°99 8.°3/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.43	−15 32.1	1.718	2.586	14.1	17.1
9 8	1 2.31	−16 49.3	1.676	2.596	11.3	17.0
9 18	0 56.07	−18 0.0	1.657	2.607	9.1	16.9
9 28	0 48.43	−18 55.4	1.663	2.618	8.3	16.9
10 8	0 40.38	−19 28.3	1.693	2.630	9.4	17.0
10 18	0 32.92	−19 35.1	1.748	2.642	11.7	17.1
10 28	0 26.96	−19 15.1	1.825	2.655	14.2	17.3
11 7	0 23.08	−18 30.9	1.921	2.668	16.5	17.5

485794 2012 DL_{24} 10 4.8 188.°56 1.°2/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 12.77	+ 7 55.4	2.581	3.382	12.0	21.4
9 8	1 6.61	+ 8 19.0	2.492	3.381	9.3	21.2
9 18	0 58.69	+ 8 34.6	2.426	3.381	6.3	21.1
9 28	0 49.53	+ 8 43.1	2.389	3.380	3.0	20.8
10 8	0 39.82	+ 8 46.2	2.382	3.379	1.4	20.7
10 18	0 30.35	+ 8 46.2	2.406	3.378	4.4	20.9
10 28	0 21.90	+ 8 46.2	2.460	3.376	7.6	21.1
11 7	0 15.07	+ 8 49.3	2.540	3.374	10.5	21.3

81788 2000 JQ_{81} 10 4.8 102.°47 0.°4/ 4.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.07	+ 7 21.6	2.038	2.869	13.6	19.6
9 8	1 1.02	+ 6 28.1	1.969	2.880	10.4	19.4
9 18	0 55.16	+ 5 21.4	1.924	2.891	6.7	19.2
9 28	0 48.07	+ 4 6.1	1.905	2.901	2.6	19.0
10 8	0 40.54	+ 2 48.4	1.915	2.912	1.6	18.9
10 18	0 33.41	+ 1 35.0	1.953	2.922	5.6	19.2
10 28	0 27.47	+ 0 32.3	2.019	2.932	9.2	19.5
11 7	0 23.29	− 0 15.6	2.109	2.942	12.4	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
32997	1997 CG_3	10 4.8	44.°86	0.°3/	4.5	18
	h m	° ′			°	m
8 29	1 4.48	+ 6 48.7	1.970	2.806	13.8	18.8
9 8	1 0.69	+ 6 12.2	1.898	2.811	10.6	18.6
9 18	0 55.01	+ 5 23.1	1.849	2.816	6.8	18.4
9 28	0 48.03	+ 4 25.3	1.825	2.821	2.7	18.1
10 8	0 40.56	+ 3 24.6	1.830	2.827	1.5	18.1
10 18	0 33.45	+ 2 27.0	1.862	2.833	5.6	18.4
10 28	0 27.54	+ 1 38.5	1.922	2.838	9.4	18.6
11 7	0 23.44	+ 1 3.3	2.005	2.844	12.7	18.8
256621	2007 VO_{183}	10 4.8	14.°42	0.°4/	5.1	18
8 29	0 56.34	+10 55.0	0.811	1.704	23.1	19.2
9 8	0 56.38	+10 1.3	0.768	1.710	17.9	18.9
9 18	0 53.08	+ 8 35.2	0.740	1.718	11.8	18.6
9 28	0 47.40	+ 6 45.2	0.730	1.728	5.0	18.3
10 8	0 40.88	+ 4 46.3	0.741	1.740	2.1	18.2
10 18	0 35.17	+ 2 55.7	0.773	1.754	8.8	18.7
10 28	0 31.70	+ 1 28.4	0.826	1.770	14.7	19.0
11 7	0 31.26	+ 0 32.3	0.896	1.787	19.7	19.4
242509	2004 XE_{125}	10 4.8	257.°91	0.°3/	5.1	17
8 29	1 7.68	+ 6 25.8	2.497	3.316	11.8	20.5
9 8	1 2.84	+ 6 25.3	2.405	3.306	9.1	20.3
9 18	0 56.32	+ 6 16.4	2.335	3.297	6.0	20.1
9 28	0 48.57	+ 6 0.9	2.293	3.287	2.6	19.9
10 8	0 40.28	+ 5 41.6	2.280	3.278	1.1	19.7
10 18	0 32.19	+ 5 22.0	2.297	3.268	4.6	20.0
10 28	0 25.04	+ 5 5.9	2.342	3.258	8.0	20.2
11 7	0 19.43	+ 4 56.4	2.413	3.248	10.9	20.4
389439	2010 CQ_{94}	10 4.8	195.°26	2.°6/	2.2	18 R
8 29	1 5.99	+ 1 34.6	1.769	2.623	14.4	21.5
9 8	1 2.06	+ 0 32.7	1.698	2.622	10.9	21.3
9 18	0 56.02	− 0 39.8	1.649	2.622	6.9	21.1
9 28	0 48.48	− 1 56.8	1.626	2.621	3.2	20.9
10 8	0 40.34	− 3 10.5	1.631	2.621	3.7	20.9
10 18	0 32.60	− 4 13.3	1.662	2.620	7.6	21.1
10 28	0 26.20	− 4 59.3	1.720	2.619	11.4	21.4
11 7	0 21.82	− 5 25.3	1.800	2.619	14.8	21.6
15529	2000 AA_{80}	10 4.8	110.°30	0.°4/	3.9	18 R
8 29	0 57.63	+ 4 5.4	4.482	5.305	6.9	18.8
9 8	0 54.50	+ 3 38.1	4.399	5.307	5.2	18.7
9 18	0 50.57	+ 3 6.4	4.343	5.309	3.3	18.5
9 28	0 46.13	+ 2 31.9	4.314	5.310	1.3	18.4
10 8	0 41.48	+ 1 57.0	4.316	5.312	1.0	18.4
10 18	0 36.95	+ 1 23.9	4.349	5.314	2.9	18.5
10 28	0 32.89	+ 0 54.8	4.411	5.316	4.9	18.7
11 7	0 29.57	+ 0 31.5	4.500	5.318	6.6	18.8
222854	2002 EL_{119}	10 4.8	266.°27	0.°8/	6.4	18
8 29	0 58.33	+10 42.7	4.426	5.221	7.4	20.5
9 8	0 55.07	+10 28.4	4.331	5.216	5.8	20.3
9 18	0 50.97	+10 7.3	4.260	5.212	3.9	20.2
9 28	0 46.30	+ 9 40.6	4.218	5.207	2.0	20.0
10 8	0 41.40	+ 9 10.3	4.206	5.202	0.9	19.9
10 18	0 36.60	+ 8 38.3	4.224	5.198	2.6	20.1
10 28	0 32.27	+ 8 7.2	4.272	5.193	4.5	20.2
11 7	0 28.71	+ 7 39.1	4.348	5.188	6.3	20.4
367217	2007 EZ_{46}	10 4.8	201.°85	0.°1/	4.6	17
8 29	1 3.44	+ 7 52.7	2.590	3.410	11.4	22.2
9 8	0 59.51	+ 7 5.6	2.503	3.407	8.7	22.0
9 18	0 54.09	+ 6 7.1	2.440	3.404	5.7	21.9
9 28	0 47.63	+ 5 0.5	2.405	3.401	2.3	21.6
10 8	0 40.75	+ 3 50.5	2.400	3.397	1.2	21.5
10 18	0 34.10	+ 2 42.2	2.424	3.393	4.6	21.8
10 28	0 28.34	+ 1 40.8	2.477	3.389	7.8	22.0
11 7	0 23.97	+ 0 50.5	2.556	3.384	10.6	22.2
450148	1999 TJ_{170}	10 4.8	0.°54	2.°4/	7.2	16
8 29	0 55.24	+15 52.5	1.323	2.167	18.8	20.1
9 8	0 54.56	+15 1.0	1.253	2.163	15.0	19.9
9 18	0 51.50	+13 39.8	1.201	2.161	10.5	19.6
9 28	0 46.70	+11 52.8	1.171	2.161	5.6	19.4
10 8	0 41.20	+ 9 49.0	1.165	2.162	2.4	19.2
10 18	0 36.12	+ 7 40.9	1.185	2.166	6.3	19.4
10 28	0 32.56	+ 5 42.3	1.230	2.171	11.2	19.7
11 7	0 31.25	+ 4 3.7	1.296	2.177	15.5	20.0
221002	2005 NV_{90}	10 4.8	20.°18	0.°0/	4.5	18
8 29	1 1.92	+ 7 54.4	0.944	1.827	21.5	19.0
9 8	1 0.22	+ 7 25.5	0.901	1.838	16.5	18.8
9 18	0 55.35	+ 6 33.9	0.874	1.851	10.7	18.5
9 28	0 48.28	+ 5 26.3	0.868	1.865	4.4	18.2
10 8	0 40.49	+ 4 13.5	0.883	1.881	2.1	18.1
10 18	0 33.55	+ 3 7.2	0.921	1.899	8.2	18.6
10 28	0 28.79	+ 2 17.6	0.980	1.918	13.7	19.0
11 7	0 26.99	+ 1 50.6	1.059	1.939	18.3	19.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
322424	2011 SZ_{154}	10 4.8	39.°05	1.°4/	3.5	18
	h m	° ′			°	m
8 29	1 4.79	+ 4 44.3	1.631	2.484	15.5	20.5
9 8	1 1.24	+ 3 53.3	1.568	2.491	11.7	20.3
9 18	0 55.51	+ 2 49.0	1.527	2.499	7.5	20.0
9 28	0 48.26	+ 1 37.2	1.510	2.507	3.0	19.8
10 8	0 40.48	+ 0 25.4	1.521	2.516	2.6	19.8
10 18	0 33.17	− 0 38.4	1.558	2.525	6.9	20.1
10 28	0 27.31	− 1 27.8	1.620	2.534	11.1	20.4
11 7	0 23.54	− 1 58.7	1.706	2.543	14.6	20.6
476490	2008 FZ_{104}	10 4.8	94.°06	0.°4/	4.4	16
8 29	1 9.49	+ 7 37.8	1.638	2.474	16.2	21.7
9 8	1 4.68	+ 6 48.3	1.583	2.495	12.4	21.5
9 18	0 57.63	+ 5 43.4	1.549	2.516	7.9	21.3
9 28	0 49.09	+ 4 28.4	1.540	2.536	3.2	21.1
10 8	0 40.11	+ 3 11.1	1.559	2.556	1.8	21.0
10 18	0 31.75	+ 1 59.4	1.605	2.575	6.4	21.4
10 28	0 24.99	+ 1 0.4	1.678	2.594	10.6	21.7
11 7	0 20.46	+ 0 18.6	1.775	2.613	14.1	21.9
322639	1998 SW_{101}	10 4.8	339.°42	0.°3/	4.9	17
8 29	1 11.57	+ 3 44.1	1.738	2.577	15.3	19.5
9 8	1 6.59	+ 4 18.2	1.652	2.565	11.9	19.3
9 18	0 59.15	+ 4 45.5	1.586	2.553	7.8	19.0
9 28	0 49.85	+ 5 7.6	1.547	2.542	3.3	18.7
10 8	0 39.67	+ 5 26.6	1.534	2.532	1.5	18.5
10 18	0 29.76	+ 5 45.3	1.549	2.522	6.2	18.8
10 28	0 21.26	+ 6 7.1	1.591	2.514	10.6	19.1
11 7	0 15.05	+ 6 34.9	1.657	2.506	14.4	19.3
386445	2008 WB_{95}	10 4.8	17.°79	4.°9/	29.8	18
8 29	1 1.34	− 0 18.2	1.384	2.263	16.2	19.9
9 8	0 58.96	− 2 16.0	1.328	2.267	12.1	19.6
9 18	0 54.20	− 4 26.6	1.294	2.271	7.9	19.4
9 28	0 47.77	− 6 38.4	1.285	2.276	5.0	19.2
10 8	0 40.73	− 8 38.5	1.302	2.282	6.5	19.4
10 18	0 34.21	−10 15.5	1.345	2.289	10.4	19.6
10 28	0 29.26	−11 22.5	1.410	2.296	14.4	19.9
11 7	0 26.57	−11 57.5	1.495	2.304	17.8	20.1
395011	2009 BQ_{158}	10 4.8	144.°80	1.°0/	3.6	18
8 29	1 6.75	+ 4 24.6	2.414	3.242	11.9	22.3
9 8	1 2.02	+ 3 41.3	2.342	3.252	9.0	22.1
9 18	0 55.69	+ 2 48.9	2.295	3.262	5.7	21.9
9 28	0 48.29	+ 1 51.4	2.275	3.271	2.3	21.7
10 8	0 40.50	+ 0 53.7	2.284	3.280	1.9	21.7
10 18	0 33.05	+ 0 0.8	2.324	3.288	5.2	21.9
10 28	0 26.62	− 0 42.7	2.391	3.295	8.4	22.2
11 7	0 21.76	− 1 13.9	2.484	3.302	11.2	22.4
390228	2012 XR_{42}	10 4.8	286.°38	1.°0/	5.7	18
8 29	1 6.67	+ 9 37.1	1.778	2.607	15.4	21.2
9 8	1 2.74	+ 9 19.5	1.695	2.601	12.0	20.9
9 18	0 56.57	+ 8 46.2	1.632	2.594	8.1	20.7
9 28	0 48.77	+ 7 59.8	1.594	2.588	3.7	20.4
10 8	0 40.24	+ 7 5.3	1.583	2.581	1.5	20.3
10 18	0 32.02	+ 6 9.0	1.600	2.575	5.8	20.5
10 28	0 25.13	+ 5 18.2	1.643	2.568	10.1	20.8
11 7	0 20.33	+ 4 38.6	1.710	2.562	13.9	21.0
387483	2013 YR_{52}	10 4.8	250.°06	6.°3/	10.6	18
8 29	1 9.08	+23 13.7	1.858	2.618	17.4	21.5
9 8	1 4.83	+23 33.7	1.759	2.604	14.7	21.3
9 18	0 58.11	+23 30.6	1.679	2.591	11.6	21.1
9 28	0 49.48	+23 1.8	1.621	2.576	8.5	20.9
10 8	0 39.87	+22 8.3	1.588	2.562	6.4	20.7
10 18	0 30.44	+20 54.4	1.582	2.546	7.2	20.8
10 28	0 22.38	+19 28.4	1.603	2.531	10.1	20.9
11 7	0 16.59	+18 0.6	1.648	2.515	13.5	21.1
104156	2000 ET_{69}	10 4.8	204.°35	0.°9/	3.8	18
8 29	1 7.56	+ 6 16.5	1.914	2.748	14.3	21.1
9 8	1 3.19	+ 5 19.3	1.831	2.744	10.9	20.9
9 18	0 56.75	+ 4 7.6	1.771	2.739	7.0	20.6
9 28	0 48.81	+ 2 46.3	1.738	2.734	2.8	20.4
10 8	0 40.23	+ 1 22.3	1.733	2.729	2.1	20.3
10 18	0 31.98	+ 0 3.3	1.756	2.722	6.4	20.6
10 28	0 24.99	− 1 3.5	1.807	2.716	10.4	20.8
11 7	0 19.95	− 1 53.1	1.882	2.708	13.9	21.0
156646	2002 JH_{35}	10 4.8	52.°93	2.°9/	8.3	18
8 29	1 3.10	+17 17.9	2.146	2.937	14.4	19.4
9 8	0 59.57	+16 50.0	2.069	2.945	11.6	19.2
9 18	0 54.26	+16 3.2	2.014	2.954	8.3	19.0
9 28	0 47.74	+14 59.4	1.984	2.963	5.0	18.9
10 8	0 40.77	+13 42.9	1.981	2.973	2.9	18.7
10 18	0 34.14	+12 20.0	2.007	2.982	4.8	18.9
10 28	0 28.64	+10 57.8	2.060	2.991	8.0	19.1
11 7	0 24.84	+ 9 43.0	2.140	3.001	11.1	19.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
436504	2011 FG_7		10	4.8	192.°11	0.°1/ 4.9 17
	h m	° ′			°	m
8 29	1 10.49	+ 7 9.5	2.047	2.868	13.9	22.5
9 8	1 5.30	+ 6 47.3	1.963	2.867	10.8	22.3
9 18	0 58.05	+ 6 12.9	1.902	2.865	7.1	22.1
9 28	0 49.34	+ 5 29.4	1.867	2.862	2.9	21.8
10 8	0 40.00	+ 4 41.3	1.861	2.859	1.4	21.7
10 18	0 30.97	+ 3 54.2	1.884	2.855	5.6	22.0
10 28	0 23.19	+ 3 13.7	1.935	2.850	9.5	22.2
11 7	0 17.34	+ 2 44.4	2.011	2.844	12.9	22.4
286685	2002 EP_{160}		10	4.8	317.°63	1.°2/ 6.9 18
8 29	0 59.25	+11 50.5	4.095	4.886	8.0	20.6
9 8	0 55.85	+11 42.5	4.000	4.882	6.3	20.4
9 18	0 51.52	+11 27.1	3.930	4.877	4.4	20.3
9 28	0 46.57	+11 5.2	3.887	4.873	2.3	20.1
10 8	0 41.34	+10 38.6	3.874	4.869	1.2	20.1
10 18	0 36.24	+10 9.6	3.891	4.865	2.8	20.2
10 28	0 31.65	+ 9 40.7	3.938	4.861	4.8	20.3
11 7	0 27.91	+ 9 14.4	4.012	4.857	6.7	20.5
335429	2005 UC_{87}		10	4.8	58.°25	1.°8/ 6.5 16
8 29	1 5.78	+14 19.3	1.381	2.212	18.9	20.8
9 8	1 2.31	+13 25.6	1.326	2.231	14.8	20.6
9 18	0 56.32	+12 6.6	1.290	2.250	10.1	20.4
9 28	0 48.62	+10 27.3	1.278	2.269	5.0	20.1
10 8	0 40.40	+ 8 37.1	1.291	2.288	2.0	20.0
10 18	0 32.86	+ 6 47.2	1.331	2.308	6.4	20.3
10 28	0 27.09	+ 5 8.8	1.396	2.327	11.0	20.6
11 7	0 23.74	+ 3 50.0	1.484	2.347	15.0	20.9
328169	2008 CC_{201}		10	4.8	85.°36	1.°8/ 3.1 17
8 29	1 7.32	+ 5 22.7	1.468	2.321	16.8	20.6
9 8	1 3.33	+ 4 8.9	1.412	2.335	12.7	20.3
9 18	0 56.92	+ 2 39.3	1.377	2.349	8.1	20.1
9 28	0 48.87	+ 1 1.3	1.367	2.363	3.2	19.9
10 8	0 40.28	− 0 35.1	1.383	2.377	3.1	19.9
10 18	0 32.32	− 2 0.0	1.426	2.391	7.7	20.2
10 28	0 26.02	− 3 5.8	1.495	2.405	12.1	20.5
11 7	0 22.07	− 3 48.3	1.585	2.418	15.8	20.8
24485	2000 YL_{102}		10	4.8	24.°39	2.°0/30.8 18
8 29	0 57.74	− 3 35.3	4.097	4.941	7.1	18.5
9 8	0 54.67	− 4 19.9	4.023	4.942	5.3	18.3
9 18	0 50.74	− 5 6.5	3.975	4.943	3.5	18.2
9 28	0 46.24	− 5 52.6	3.956	4.945	2.1	18.1
10 8	0 41.52	− 6 35.1	3.967	4.946	2.6	18.1
10 18	0 36.94	− 7 11.5	4.008	4.948	4.3	18.3
10 28	0 32.86	− 7 39.7	4.077	4.949	6.1	18.4
11 7	0 29.60	− 7 58.2	4.172	4.951	7.7	18.5
20831	Zhangyi		10	4.8	57.°09	0.°5/ 5.1 18
8 29	1 10.26	+ 7 45.6	1.322	2.170	18.6	18.3
9 8	1 6.01	+ 7 33.2	1.258	2.176	14.4	18.1
9 18	0 58.92	+ 7 3.7	1.213	2.181	9.5	17.8
9 28	0 49.78	+ 6 20.6	1.192	2.187	4.1	17.5
10 8	0 39.84	+ 5 30.6	1.195	2.193	1.7	17.4
10 18	0 30.51	+ 4 41.7	1.224	2.199	7.2	17.8
10 28	0 23.08	+ 4 2.1	1.278	2.205	12.2	18.1
11 7	0 18.38	+ 3 37.5	1.352	2.212	16.4	18.4
208835	2002 RL_{122}		10	4.8	345.°46	2.°6/ 2.9 18
8 29	1 12.66	− 2 10.8	1.777	2.625	14.6	20.2
9 8	1 7.18	− 2 15.6	1.704	2.624	11.2	19.9
9 18	0 59.37	− 2 24.4	1.653	2.623	7.2	19.7
9 28	0 49.91	− 2 33.0	1.627	2.621	3.5	19.5
10 8	0 39.79	− 2 36.7	1.629	2.621	3.5	19.5
10 18	0 30.11	− 2 31.6	1.660	2.620	7.3	19.7
10 28	0 21.91	− 2 14.8	1.716	2.619	11.2	20.0
11 7	0 15.95	− 1 45.0	1.796	2.619	14.6	20.2
209265	2003 XU_3		10	4.8	258.°78	1.°2/ 6.1 18
8 29	1 5.29	+11 42.6	2.000	2.816	14.4	20.4
9 8	1 1.50	+11 9.9	1.907	2.805	11.3	20.1
9 18	0 55.70	+10 20.1	1.836	2.794	7.7	19.9
9 28	0 48.42	+ 9 15.7	1.791	2.782	3.7	19.6
10 8	0 40.48	+ 8 1.7	1.773	2.770	1.5	19.5
10 18	0 32.76	+ 6 44.7	1.784	2.758	5.3	19.7
10 28	0 26.20	+ 5 32.2	1.822	2.746	9.3	19.9
11 7	0 21.49	+ 4 30.9	1.885	2.734	12.9	20.1
188827	2005 YK_{221}		10	4.8	42.°26	7.°3/28.1 18
8 29	1 7.87	−13 51.5	1.784	2.648	13.8	19.7
9 8	1 3.31	−14 54.5	1.741	2.661	10.9	19.5
9 18	0 56.69	−15 52.3	1.721	2.675	8.4	19.4
9 28	0 48.73	−16 37.2	1.725	2.689	7.3	19.4
10 8	0 40.39	−17 2.6	1.756	2.703	8.4	19.5
10 18	0 32.65	−17 5.1	1.811	2.717	10.7	19.6
10 28	0 26.38	−16 43.8	1.890	2.732	13.3	19.8
11 7	0 22.16	−16 0.9	1.989	2.748	15.7	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
13815	Furuya		10	4.8	18.°40	4.°0/ 9.4 18
	h m	° ′			°	m
8 29	1 1.33	+19 48.7	1.844	2.636	16.3	16.7
9 8	0 58.56	+19 27.7	1.770	2.643	13.4	16.5
9 18	0 53.78	+18 43.5	1.715	2.650	9.9	16.3
9 28	0 47.61	+17 37.4	1.684	2.658	6.4	16.1
10 8	0 40.90	+16 13.9	1.679	2.667	4.1	16.0
10 18	0 34.57	+14 40.2	1.701	2.676	5.5	16.1
10 28	0 29.52	+13 5.4	1.750	2.686	8.8	16.4
11 7	0 26.38	+11 38.0	1.823	2.696	12.1	16.6
23474	1990 UX_1		10	4.8	350.°30	0.°1/ 4.6 18
8 29	1 0.16	+10 19.9	1.433	2.285	17.2	17.3
9 8	0 58.17	+ 9 7.4	1.358	2.279	13.4	17.0
9 18	0 53.79	+ 7 31.0	1.304	2.274	8.7	16.8
9 28	0 47.68	+ 5 36.5	1.274	2.270	3.6	16.4
10 8	0 40.85	+ 3 34.3	1.269	2.267	1.8	16.3
10 18	0 34.41	+ 1 36.3	1.291	2.265	7.1	16.7
10 28	0 29.47	− 0 5.8	1.338	2.263	12.0	16.9
11 7	0 26.78	− 1 24.2	1.407	2.263	16.1	17.2
269517	2009 UD_{129}		10	4.8	317.°71	7.°3/13.3 18
8 29	1 3.13	+28 27.0	2.104	2.831	16.5	19.6
9 8	1 0.07	+28 46.1	2.002	2.816	14.4	19.4
9 18	0 54.90	+28 41.3	1.918	2.800	11.9	19.2
9 28	0 48.14	+28 9.9	1.855	2.785	9.4	19.0
10 8	0 40.61	+27 12.3	1.817	2.770	7.6	18.9
10 18	0 33.25	+25 52.0	1.804	2.756	7.6	18.8
10 28	0 27.06	+24 16.2	1.818	2.742	9.4	18.9
11 7	0 22.81	+22 34.5	1.857	2.729	12.0	19.0
398031	2009 DU_{104}		10	4.8	188.°45	0.°3/ 4.5 18
8 29	1 8.29	+ 5 24.4	2.094	2.924	13.4	21.8
9 8	1 3.55	+ 5 6.2	2.014	2.923	10.3	21.6
9 18	0 56.90	+ 4 37.9	1.957	2.923	6.6	21.4
9 28	0 48.88	+ 4 2.5	1.926	2.922	2.7	21.1
10 8	0 40.30	+ 3 24.5	1.924	2.921	1.5	21.0
10 18	0 32.04	+ 2 48.8	1.950	2.920	5.5	21.3
10 28	0 24.96	+ 2 20.3	2.004	2.919	9.2	21.6
11 7	0 19.69	+ 2 2.5	2.083	2.917	12.5	21.8
364043	2005 WN_{86}		10	4.8	336.°90	5.°7/29.6 18
8 29	1 7.09	− 9 22.4	1.868	2.731	13.3	20.8
9 8	1 2.84	−10 10.4	1.800	2.725	10.4	20.6
9 18	0 56.51	−10 58.2	1.755	2.719	7.4	20.4
9 28	0 48.73	−11 39.0	1.736	2.714	5.7	20.3
10 8	0 40.38	−12 6.2	1.743	2.710	6.7	20.4
10 18	0 32.43	−12 15.3	1.776	2.705	9.4	20.5
10 28	0 25.79	−12 3.8	1.834	2.701	12.5	20.7
11 7	0 21.13	−11 32.1	1.913	2.698	15.3	20.9
212940	2008 YS_{17}		10	4.8	217.°74	0.°3/ 5.1 18
8 29	1 7.01	+ 8 5.3	1.903	2.733	14.5	21.0
9 8	1 2.80	+ 7 40.4	1.823	2.731	11.2	20.8
9 18	0 56.52	+ 7 1.6	1.765	2.729	7.4	20.6
9 28	0 48.76	+ 6 12.2	1.733	2.727	3.2	20.3
10 8	0 40.38	+ 5 17.4	1.727	2.725	1.3	20.1
10 18	0 32.32	+ 4 23.2	1.751	2.723	5.7	20.4
10 28	0 25.54	+ 3 36.0	1.801	2.721	9.7	20.7
11 7	0 20.70	+ 3 0.7	1.875	2.719	13.2	20.9
287574	2003 FU_{32}		10	4.8	47.°10	0.°2/ 4.5 16
8 29	1 0.55	+ 4 26.9	4.207	5.024	7.4	20.8
9 8	0 56.76	+ 4 18.6	4.123	5.027	5.6	20.6
9 18	0 52.08	+ 4 5.9	4.065	5.029	3.6	20.5
9 28	0 46.82	+ 3 50.4	4.036	5.031	1.4	20.3
10 8	0 41.32	+ 3 33.8	4.037	5.034	0.8	20.3
10 18	0 35.96	+ 3 18.2	4.068	5.036	3.0	20.5
10 28	0 31.11	+ 3 5.6	4.129	5.039	5.0	20.6
11 7	0 27.10	+ 2 57.7	4.217	5.041	6.9	20.7
506441	2001 AV_{19}		10	4.8	190.°63	9.°9/19.4 18
8 29	1 12.72	−32 46.5	2.802	3.597	11.3	21.6
9 8	1 6.59	−34 16.5	2.763	3.595	10.3	21.5
9 18	0 58.68	−35 32.5	2.747	3.592	9.9	21.5
9 28	0 49.56	−36 27.7	2.755	3.589	10.2	21.5
10 8	0 40.03	−36 57.6	2.788	3.584	11.0	21.6
10 18	0 30.90	−37 0.1	2.843	3.579	12.1	21.7
10 28	0 22.96	−36 36.0	2.918	3.573	13.3	21.8
11 7	0 16.78	−35 48.4	3.010	3.566	14.4	21.9
404767	2014 JW_{42}		10	4.8	56.°27	6.°3/28.6 18
8 29	1 7.00	−10 44.1	1.852	2.716	13.4	20.3
9 8	1 2.64	−11 52.3	1.802	2.726	10.4	20.1
9 18	0 56.28	−12 58.7	1.776	2.736	7.7	20.0
9 28	0 48.60	−13 55.6	1.775	2.747	6.3	19.9
10 8	0 40.51	−14 36.2	1.800	2.757	7.4	20.0
10 18	0 32.92	−14 56.0	1.852	2.768	9.9	20.2
10 28	0 26.71	−14 53.0	1.927	2.779	12.7	20.4
11 7	0 22.46	−14 28.4	2.023	2.790	15.2	20.6

148272 2000 GL_{29} 10 4.8 259.°55 1.°0/ 5.7 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 6.55	+10 52.3	1.643	2.473	16.4	20.1
9 8	1 2.87	+10 16.5	1.558	2.465	12.9	19.9
9 18	0 56.81	+ 9 21.1	1.493	2.456	8.7	19.6
9 28	0 48.95	+ 8 9.1	1.453	2.447	4.0	19.3
10 8	0 40.29	+ 6 46.9	1.439	2.437	1.5	19.1
10 18	0 31.94	+ 5 23.0	1.453	2.428	6.3	19.4
10 28	0 25.02	+ 4 6.8	1.493	2.418	10.9	19.7
11 7	0 20.34	+ 3 5.5	1.556	2.409	15.0	19.9

187720 2008 EX_{85} 10 4.8 339.°23 1.°6/ 3.4 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 8.75	+ 0 59.0	1.856	2.703	14.1	19.9
9 8	1 4.15	+ 0 47.7	1.779	2.699	10.8	19.7
9 18	0 57.41	+ 0 29.4	1.725	2.696	6.9	19.5
9 28	0 49.14	+ 0 7.8	1.696	2.693	2.9	19.2
10 8	0 40.23	− 0 12.3	1.695	2.690	2.6	19.2
10 18	0 31.68	− 0 26.2	1.722	2.687	6.6	19.4
10 28	0 24.44	− 0 29.9	1.775	2.685	10.5	19.7
11 7	0 19.24	− 0 21.0	1.851	2.683	13.9	19.9

14316 Higashichichibu 10 4.8 242.°31 2.°0/ 6.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 8.50	+11 47.6	2.567	3.362	12.2	18.0
9 8	1 3.49	+12 2.3	2.472	3.355	9.7	17.8
9 18	0 56.79	+12 6.3	2.401	3.349	6.8	17.6
9 28	0 48.86	+12 0.1	2.357	3.342	3.7	17.4
10 8	0 40.36	+11 45.7	2.341	3.335	2.1	17.3
10 18	0 32.05	+11 26.1	2.355	3.328	4.4	17.5
10 28	0 24.68	+11 5.1	2.398	3.321	7.5	17.6
11 7	0 18.85	+10 46.7	2.468	3.314	10.3	17.8

302666 2002 SC_{33} 10 4.8 2.°86 0.°7/ 5.2 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 9.86	+ 5 45.3	1.460	2.307	17.2	19.4
9 8	1 5.57	+ 6 7.1	1.389	2.306	13.4	19.2
9 18	0 58.61	+ 6 17.6	1.339	2.306	8.8	18.9
9 28	0 49.71	+ 6 18.6	1.312	2.307	3.8	18.7
10 8	0 39.98	+ 6 13.8	1.311	2.309	1.6	18.5
10 18	0 30.72	+ 6 8.0	1.336	2.311	6.6	18.8
10 28	0 23.16	+ 6 6.4	1.386	2.314	11.3	19.1
11 7	0 18.13	+ 6 13.4	1.458	2.318	15.4	19.4

373533 2001 TF_{11} 10 4.8 4.°45 1.°5/ 5.9 18 R

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 3.53	+ 9 33.0	1.108	1.974	20.2	19.5
9 8	1 1.36	+ 9 32.8	1.047	1.973	15.9	19.2
9 18	0 56.18	+ 9 11.5	1.003	1.973	10.7	19.0
9 28	0 48.76	+ 8 31.9	0.980	1.975	5.0	18.7
10 8	0 40.43	+ 7 40.8	0.980	1.978	2.0	18.5
10 18	0 32.67	+ 6 47.4	1.003	1.983	7.4	18.8
10 28	0 26.90	+ 6 1.7	1.049	1.989	12.8	19.2
11 7	0 24.00	+ 5 31.3	1.115	1.996	17.4	19.5

82817 2001 QV_{37} 10 4.8 70.°96 5.°3/ 9.7 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 9.98	+20 0.3	1.908	2.681	16.5	18.6
9 8	1 5.17	+20 33.4	1.833	2.690	13.7	18.5
9 18	0 58.12	+20 46.9	1.778	2.700	10.5	18.3
9 28	0 49.45	+20 39.6	1.747	2.710	7.3	18.1
10 8	0 40.11	+20 13.0	1.741	2.719	5.4	18.0
10 18	0 31.17	+19 31.3	1.763	2.729	6.4	18.1
10 28	0 23.64	+18 41.3	1.812	2.739	9.2	18.3
11 7	0 18.25	+17 50.4	1.885	2.749	12.2	18.5

389533 2010 JU_{75} 10 4.8 159.°44 1.°0/ 3.7 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 6.84	+ 5 2.9	2.117	2.950	13.1	21.7
9 8	1 2.38	+ 4 14.2	2.042	2.954	10.0	21.5
9 18	0 56.11	+ 3 14.2	1.991	2.959	6.4	21.3
9 28	0 48.57	+ 2 7.5	1.966	2.963	2.5	21.1
10 8	0 40.54	+ 1 0.0	1.971	2.966	2.0	21.1
10 18	0 32.87	− 0 2.2	2.004	2.969	5.8	21.3
10 28	0 26.35	− 0 53.6	2.065	2.972	9.4	21.6
11 7	0 21.57	− 1 30.4	2.151	2.975	12.5	21.8

158291 2001 UN_{91} 10 4.8 307.°27 0.°2/ 4.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 5.41	+ 8 25.2	1.472	2.320	17.1	20.6
9 8	1 2.29	+ 7 54.8	1.389	2.306	13.3	20.3
9 18	0 56.59	+ 7 5.6	1.325	2.293	8.8	20.0
9 28	0 48.92	+ 6 1.3	1.285	2.281	3.8	19.7
10 8	0 40.34	+ 4 48.9	1.270	2.268	1.7	19.5
10 18	0 32.04	+ 3 37.1	1.281	2.256	7.0	19.8
10 28	0 25.28	+ 2 35.3	1.317	2.244	12.0	20.1
11 7	0 20.95	+ 1 50.4	1.375	2.233	16.3	20.3

389313 2009 SU_{76} 10 4.8 211.°50 1.°2/ 1.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	0 57.53	− 1 29.8	5.098	5.933	5.9	21.5
9 8	0 54.37	− 1 58.5	5.014	5.928	4.4	21.4
9 18	0 50.52	− 2 29.4	4.956	5.924	2.8	21.2
9 28	0 46.19	− 3 0.6	4.927	5.920	1.4	21.1
10 8	0 41.68	− 3 30.1	4.928	5.915	1.7	21.1
10 18	0 37.26	− 3 56.1	4.960	5.910	3.2	21.3
10 28	0 33.25	− 4 16.7	5.021	5.906	4.8	21.4
11 7	0 29.88	− 4 30.9	5.109	5.901	6.2	21.5

368910 2006 TG_{68} 10 4.8 25.°56 4.°9/ 8.6 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 5.82	+17 4.3	1.136	1.971	21.9	19.9
9 8	1 3.09	+17 17.9	1.078	1.979	17.8	19.7
9 18	0 57.27	+17 2.9	1.037	1.987	13.0	19.4
9 28	0 49.20	+16 19.3	1.015	1.997	8.0	19.2
10 8	0 40.27	+15 12.5	1.016	2.008	5.0	19.1
10 18	0 32.01	+13 52.2	1.041	2.019	7.5	19.3
10 28	0 25.84	+12 30.9	1.089	2.032	12.1	19.6
11 7	0 22.62	+11 20.1	1.158	2.045	16.5	19.9

470564 2008 GC_{8} 10 4.8 153.°33 1.°2/ 3.8 16

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 10.71	+ 4 11.4	1.797	2.634	14.9	22.5
9 8	1 5.63	+ 3 35.2	1.726	2.641	11.4	22.3
9 18	0 58.35	+ 2 47.7	1.678	2.647	7.3	22.1
9 28	0 49.53	+ 1 53.4	1.656	2.652	2.9	21.8
10 8	0 40.12	+ 0 58.6	1.662	2.657	2.3	21.8
10 18	0 31.17	+ 0 9.7	1.696	2.662	6.6	22.1
10 28	0 23.66	− 0 27.4	1.757	2.666	10.6	22.3
11 7	0 18.28	− 0 49.2	1.841	2.669	14.1	22.6

21929 Nileshraval 10 4.8 129.°22 1.°7/ 3.3 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 8.43	+ 2 16.3	1.817	2.663	14.4	18.9
9 8	1 3.90	+ 1 44.1	1.746	2.665	11.0	18.7
9 18	0 57.24	+ 1 2.6	1.697	2.668	7.0	18.5
9 28	0 49.08	+ 0 16.3	1.674	2.670	2.9	18.3
10 8	0 40.33	− 0 28.7	1.678	2.672	2.7	18.2
10 18	0 31.99	− 1 6.6	1.710	2.674	6.7	18.5
10 28	0 25.01	− 1 32.3	1.768	2.676	10.6	18.7
11 7	0 20.08	− 1 42.7	1.849	2.678	14.0	19.0

175080 2004 GA_{66} 10 4.8 261.°22 1.°0/ 3.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 7.38	+ 3 45.5	2.011	2.850	13.5	21.1
9 8	1 2.99	+ 3 21.9	1.930	2.845	10.3	20.9
9 18	0 56.62	+ 2 48.8	1.871	2.840	6.6	20.6
9 28	0 48.83	+ 2 9.7	1.838	2.835	2.7	20.4
10 8	0 40.44	+ 1 29.6	1.833	2.829	2.0	20.3
10 18	0 32.34	+ 0 53.6	1.857	2.824	6.0	20.6
10 28	0 25.43	+ 0 26.9	1.908	2.819	9.8	20.8
11 7	0 20.38	+ 0 12.7	1.982	2.814	13.1	21.0

51973 2001 RX_{23} 10 4.8 135.°57 1.°0/ 5.7 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 8.03	+ 8 55.8	1.981	2.803	14.3	18.9
9 8	1 3.52	+ 8 49.7	1.902	2.804	11.1	18.7
9 18	0 56.97	+ 8 30.8	1.844	2.804	7.5	18.5
9 28	0 48.97	+ 8 1.3	1.812	2.805	3.4	18.3
10 8	0 40.37	+ 7 25.2	1.807	2.805	1.4	18.1
10 18	0 32.10	+ 6 47.3	1.831	2.805	5.3	18.4
10 28	0 25.07	+ 6 13.2	1.882	2.806	9.2	18.6
11 7	0 19.95	+ 5 47.7	1.958	2.806	12.6	18.8

331352 2012 CW_{33} 10 4.8 228.°03 1.°8/ 6.8 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 6.62	+12 9.1	2.445	3.245	12.6	21.3
9 8	1 2.14	+12 6.7	2.353	3.239	10.0	21.2
9 18	0 55.95	+11 51.9	2.284	3.234	6.9	21.0
9 28	0 48.53	+11 25.8	2.242	3.229	3.7	20.7
10 8	0 40.58	+10 51.2	2.228	3.223	1.9	20.6
10 18	0 32.83	+10 12.1	2.243	3.217	4.5	20.8
10 28	0 26.06	+ 9 33.1	2.287	3.211	7.7	21.0
11 7	0 20.86	+ 8 59.0	2.356	3.205	10.7	21.2

515660 2014 OA_{183} 10 4.8 80.°26 3.°9/ 8.8 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 10.18	+17 17.2	2.278	3.051	14.2	21.5
9 8	1 4.87	+17 44.1	2.206	3.068	11.5	21.4
9 18	0 57.69	+17 55.7	2.155	3.084	8.5	21.2
9 28	0 49.23	+17 51.8	2.130	3.100	5.6	21.1
10 8	0 40.27	+17 34.1	2.133	3.117	3.9	21.0
10 18	0 31.68	+17 5.9	2.164	3.133	5.2	21.1
10 28	0 24.29	+16 32.4	2.224	3.149	7.9	21.3
11 7	0 18.71	+15 59.0	2.310	3.165	10.6	21.5

9637 Perryrose 10 4.8 345.°48 0.°6/ 4.4 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	1 0.41	+ 5 43.7	1.023	1.908	20.0	17.1
9 8	0 59.30	+ 5 26.9	0.954	1.893	15.5	16.7
9 18	0 55.07	+ 4 50.5	0.902	1.880	10.2	16.4
9 28	0 48.41	+ 3 59.5	0.871	1.869	4.1	16.0
10 8	0 40.61	+ 3 2.5	0.862	1.859	2.4	15.9
10 18	0 33.24	+ 2 10.2	0.874	1.851	8.7	16.2
10 28	0 27.84	+ 1 33.0	0.907	1.846	14.5	16.5
11 7	0 25.46	+ 1 17.4	0.959	1.842	19.5	16.8

315943 2008 TY_{116} 10 4.8 338.°68 1.°3/ 2.3 16

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
8 29	0 59.46	− 1 28.2	4.326	5.161	6.9	21.2
9 8	0 55.93	− 1 48.1	4.245	5.160	5.2	21.0
9 18	0 51.57	− 2 10.3	4.190	5.159	3.3	20.9
9 28	0 46.64	− 2 32.8	4.164	5.158	1.6	20.8
10 8	0 41.50	− 2 53.4	4.168	5.157	1.8	20.8
10 18	0 36.48	− 3 10.2	4.203	5.156	3.6	20.9
10 28	0 31.96	− 3 21.2	4.266	5.155	5.4	21.1
11 7	0 28.22	− 3 25.3	4.355	5.154	7.1	21.2

473536 2015 XZ_{170} 10 4.8 338.°01 4.°8/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.46	− 6 26.4	1.425	2.298	16.1	19.6
9 8	1 4.77	− 6 32.5	1.342	2.274	12.5	19.4
9 18	0 58.30	− 6 39.3	1.279	2.252	8.6	19.1
9 28	0 49.68	− 6 40.4	1.239	2.230	5.2	18.8
10 8	0 40.01	− 6 29.7	1.225	2.210	5.8	18.8
10 18	0 30.63	− 6 2.4	1.235	2.191	9.7	19.0
10 28	0 22.87	− 5 16.0	1.268	2.174	14.1	19.2
11 7	0 17.71	− 4 11.0	1.322	2.158	18.1	19.4

30685 3243 $T\text{-}_2$ 10 4.8 306.°23 1.°3/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.64	+ 4 45.6	1.265	2.125	18.6	19.5
9 8	1 5.76	+ 4 10.7	1.197	2.123	14.3	19.2
9 18	0 58.92	+ 3 19.5	1.149	2.122	9.2	18.9
9 28	0 49.89	+ 2 17.7	1.123	2.120	3.7	18.6
10 8	0 39.95	+ 1 13.9	1.122	2.118	2.8	18.6
10 18	0 30.55	+ 0 17.5	1.147	2.117	8.3	18.9
10 28	0 23.06	− 0 22.9	1.195	2.116	13.5	19.2
11 7	0 18.40	− 0 42.6	1.263	2.114	17.9	19.5

386391 2008 UO_{148} 10 4.8 24.°69 2.°0/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.87	+12 6.8	1.483	2.317	17.7	20.3
9 8	1 2.45	+11 52.1	1.415	2.321	13.9	20.1
9 18	0 56.54	+11 17.3	1.366	2.326	9.6	19.8
9 28	0 48.85	+10 24.9	1.340	2.331	4.8	19.6
10 8	0 40.46	+ 9 20.7	1.340	2.337	2.1	19.4
10 18	0 32.54	+ 8 12.8	1.366	2.343	6.2	19.7
10 28	0 26.24	+ 7 10.2	1.417	2.350	10.7	20.0
11 7	0 22.32	+ 6 20.0	1.491	2.357	14.7	20.3

482260 2011 QV_{27} 10 4.8 45.°89 4.°0/ 8.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.69	+19 3.1	1.687	2.484	17.4	20.7
9 8	1 1.32	+18 42.7	1.614	2.491	14.2	20.5
9 18	0 55.69	+17 57.7	1.561	2.499	10.4	20.3
9 28	0 48.47	+16 49.5	1.530	2.507	6.5	20.1
10 8	0 40.64	+15 23.1	1.526	2.515	4.0	20.0
10 18	0 33.26	+13 46.6	1.548	2.524	5.8	20.1
10 28	0 27.34	+12 9.8	1.597	2.533	9.5	20.4
11 7	0 23.57	+10 41.9	1.671	2.542	13.2	20.6

452157 2015 RJ_{53} 10 4.8 10.°39 0.°7/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.20	+10 8.9	1.762	2.596	15.3	20.9
9 8	1 0.03	+ 9 31.1	1.688	2.597	11.9	20.7
9 18	0 54.80	+ 8 36.1	1.635	2.599	7.9	20.5
9 28	0 48.10	+ 7 27.7	1.607	2.601	3.5	20.2
10 8	0 40.82	+ 6 12.2	1.606	2.604	1.3	20.1
10 18	0 33.91	+ 4 57.0	1.632	2.607	5.7	20.4
10 28	0 28.30	+ 3 50.0	1.684	2.610	9.9	20.7
11 7	0 24.65	+ 2 57.0	1.761	2.614	13.5	20.9

183745 2003 YT_{134} 10 4.8 320.°45 5.°5/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 12.26	+13 49.5	1.275	2.104	20.3	19.9
9 8	1 8.29	+14 56.8	1.191	2.089	16.7	19.6
9 18	1 0.98	+15 47.5	1.125	2.074	12.4	19.3
9 28	0 50.93	+16 18.2	1.079	2.060	7.9	19.0
10 8	0 39.40	+16 28.3	1.058	2.047	5.5	18.8
10 18	0 28.04	+16 20.5	1.060	2.034	8.2	18.9
10 28	0 18.58	+16 2.2	1.087	2.022	12.9	19.2
11 7	0 12.28	+15 42.6	1.134	2.011	17.5	19.4

457939 2009 VG_1 10 4.8 296.°90 4.°4/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.11	+22 18.4	2.389	3.145	14.0	21.1
9 8	0 59.60	+22 6.2	2.295	3.141	11.7	20.9
9 18	0 54.37	+21 34.3	2.221	3.136	9.0	20.7
9 28	0 47.91	+20 42.6	2.171	3.131	6.3	20.5
10 8	0 40.92	+19 33.9	2.148	3.126	4.5	20.4
10 18	0 34.16	+18 12.7	2.153	3.122	5.2	20.5
10 28	0 28.41	+16 45.9	2.187	3.117	7.7	20.6
11 7	0 24.26	+15 20.8	2.247	3.113	10.5	20.8

454060 2012 JX_{23} 10 4.8 212.°81 3.°9/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.13	+24 48.1	3.279	3.996	11.3	22.1
9 8	0 59.90	+24 22.4	3.171	3.988	9.5	21.9
9 18	0 54.33	+23 40.0	3.084	3.979	7.5	21.8
9 28	0 47.85	+22 41.2	3.023	3.970	5.4	21.6
10 8	0 40.96	+21 27.9	2.990	3.961	4.0	21.5
10 18	0 34.26	+20 3.7	2.989	3.951	4.3	21.5
10 28	0 28.32	+18 33.7	3.017	3.940	6.1	21.7
11 7	0 23.60	+17 3.5	3.074	3.929	8.3	21.8

60288 1999 XW_{114} 10 4.8 342.°64 10.°6/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.31	+39 17.0	2.226	2.860	17.9	17.6
9 8	1 2.66	+40 3.8	2.135	2.857	16.4	17.4
9 18	0 56.68	+40 24.0	2.059	2.855	14.6	17.3
9 28	0 48.95	+40 13.2	2.002	2.852	12.7	17.1
10 8	0 40.41	+39 29.7	1.965	2.850	11.2	17.0
10 18	0 32.15	+38 15.1	1.952	2.848	10.6	17.0
10 28	0 25.26	+36 35.7	1.963	2.847	11.0	17.0
11 7	0 20.54	+34 40.9	1.998	2.845	12.4	17.1

297376 2000 JX_{42} 10 4.8 145.°04 1.°9/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.91	+13 59.5	2.218	3.017	13.7	21.2
9 8	1 1.68	+13 30.6	2.137	3.023	10.9	21.0
9 18	0 55.67	+12 45.5	2.079	3.029	7.5	20.8
9 28	0 48.43	+11 46.2	2.047	3.034	4.0	20.6
10 8	0 40.70	+10 37.3	2.044	3.039	1.9	20.5
10 18	0 33.30	+ 9 24.4	2.069	3.044	4.7	20.7
10 28	0 27.02	+ 8 14.2	2.123	3.048	8.1	20.9
11 7	0 22.43	+ 7 12.5	2.202	3.053	11.3	21.1

2260 Neoptolemus 10 4.8 319.°19 4.°3/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.68	−16 59.2	4.190	5.033	6.9	16.4
9 8	0 56.16	−17 42.1	4.127	5.030	5.6	16.3
9 18	0 51.74	−18 21.5	4.091	5.028	4.6	16.3
9 28	0 46.73	−18 54.3	4.082	5.025	4.3	16.3
10 8	0 41.50	−19 17.9	4.102	5.023	4.9	16.3
10 18	0 36.43	−19 30.2	4.149	5.021	6.1	16.4
10 28	0 31.91	−19 30.2	4.222	5.019	7.4	16.5
11 7	0 28.24	−19 17.9	4.317	5.016	8.7	16.6

49884 1999 XA_{144} 10 4.8 189.°88 2.°5/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 12.40	+ 0 6.8	1.638	2.487	15.6	19.0
9 8	1 7.21	− 0 19.9	1.565	2.486	11.9	18.8
9 18	0 59.54	− 0 54.8	1.515	2.486	7.7	18.5
9 28	0 50.09	− 1 32.4	1.490	2.485	3.5	18.3
10 8	0 39.92	− 2 6.5	1.491	2.484	3.5	18.3
10 18	0 30.21	− 2 31.0	1.521	2.482	7.7	18.5
10 28	0 22.08	− 2 41.4	1.576	2.480	11.9	18.8
11 7	0 16.32	− 2 35.2	1.653	2.478	15.6	19.0

327496 2005 YE_{245} 10 4.8 242.°67 1.°0/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.16	+ 3 33.0	2.668	3.497	10.8	22.8
9 8	1 0.88	+ 2 58.0	2.573	3.483	8.3	22.6
9 18	0 55.08	+ 2 15.0	2.502	3.469	5.3	22.4
9 28	0 48.19	+ 1 27.1	2.459	3.455	2.2	22.2
10 8	0 40.81	+ 0 38.4	2.445	3.440	1.8	22.1
10 18	0 33.59	− 0 6.6	2.461	3.424	5.0	22.3
10 28	0 27.20	− 0 43.8	2.505	3.409	8.1	22.5
11 7	0 22.20	− 1 10.1	2.575	3.393	10.9	22.7

214038 2004 EN_{49} 10 4.8 126.°01 0.°7/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.84	+ 4 27.2	2.225	3.055	12.7	21.2
9 8	1 3.03	+ 3 58.7	2.154	3.065	9.6	21.0
9 18	0 56.48	+ 3 21.2	2.108	3.075	6.2	20.8
9 28	0 48.75	+ 2 38.2	2.088	3.084	2.5	20.6
10 8	0 40.58	+ 1 54.3	2.097	3.094	1.7	20.6
10 18	0 32.79	+ 1 14.4	2.136	3.103	5.4	20.8
10 28	0 26.12	+ 0 42.9	2.202	3.111	8.8	21.1
11 7	0 21.15	+ 0 22.9	2.293	3.120	11.7	21.3

214029 2004 DU_{61} 10 4.8 224.°73 1.°0/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.71	+ 3 38.9	2.024	2.862	13.5	20.4
9 8	1 3.22	+ 3 14.2	1.945	2.859	10.3	20.2
9 18	0 56.76	+ 2 40.1	1.888	2.857	6.6	20.0
9 28	0 48.92	+ 2 0.2	1.858	2.854	2.7	19.7
10 8	0 40.49	+ 1 19.6	1.856	2.852	2.0	19.7
10 18	0 32.38	+ 0 43.3	1.882	2.849	6.0	19.9
10 28	0 25.47	+ 0 16.4	1.936	2.846	9.7	20.1
11 7	0 20.41	+ 0 2.2	2.013	2.844	13.0	20.3

287213 2002 SN_{68} 10 4.8 353.°86 0.°3/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.70	+ 7 49.2	1.624	2.467	16.0	20.8
9 8	1 2.17	+ 7 29.8	1.550	2.464	12.4	20.5
9 18	0 56.32	+ 6 55.4	1.495	2.462	8.2	20.3
9 28	0 48.79	+ 6 9.1	1.466	2.461	3.5	20.0
10 8	0 40.56	+ 5 16.9	1.462	2.460	1.5	19.9
10 18	0 32.71	+ 4 25.6	1.485	2.459	6.2	20.2
10 28	0 26.30	+ 3 42.1	1.533	2.459	10.7	20.5
11 7	0 22.08	+ 3 12.0	1.605	2.459	14.5	20.7

489115 2006 BZ_{268} 10 4.8 253.°15 4.°4/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.09	− 8 39.5	2.746	3.595	10.0	22.4
9 8	1 0.82	− 9 45.2	2.657	3.575	7.7	22.2
9 18	0 55.05	−10 52.5	2.594	3.555	5.6	22.1
9 28	0 48.20	−11 56.4	2.559	3.534	4.4	22.0
10 8	0 40.85	−12 51.3	2.553	3.512	5.3	22.0
10 18	0 33.66	−13 32.8	2.575	3.491	7.5	22.1
10 28	0 27.28	−13 57.8	2.624	3.468	10.0	22.2
11 7	0 22.25	−14 5.0	2.696	3.445	12.2	22.4

192256 2008 GS_{54} 10 4.8 182.°25 2.°2/ 3.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 12.35	+ 0 41.9	1.612	2.461	15.8	21.1
9 8	1 7.21	+ 0 17.5	1.541	2.461	12.1	20.8
9 18	0 59.57	− 0 15.4	1.491	2.462	7.8	20.6
9 28	0 50.13	− 0 51.8	1.466	2.461	3.4	20.3
10 8	0 39.97	− 1 25.4	1.468	2.461	3.3	20.3
10 18	0 30.27	− 1 50.2	1.497	2.461	7.6	20.6
10 28	0 22.18	− 2 1.3	1.553	2.460	11.9	20.8
11 7	0 16.49	− 1 56.2	1.630	2.459	15.6	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
159614	2002 AF_{37}	10	4.8	329.°28	8.°0/28.2	18
	h m	° ′			°	m
8 29	1 1.87	− 7 38.2	1.175	2.070	17.3	18.3
9 8	1 0.16	− 9 8.3	1.103	2.046	13.5	18.0
9 18	0 55.54	−10 45.8	1.050	2.023	9.9	17.8
9 28	0 48.63	−12 18.1	1.020	2.002	8.0	17.6
10 8	0 40.63	−13 31.6	1.012	1.981	9.8	17.6
10 18	0 32.95	−14 15.3	1.026	1.962	13.8	17.8
10 28	0 27.05	−14 23.0	1.060	1.944	18.1	18.0
11 7	0 23.93	−13 54.7	1.110	1.928	22.0	18.2
448025	2008 EV_{38}	10	4.8	202.°23	1.°4/ 3.5	18
8 29	1 7.84	+ 2 11.8	2.095	2.934	13.0	20.9
9 8	1 3.23	+ 1 49.4	2.018	2.933	9.9	20.7
9 18	0 56.74	+ 1 19.2	1.964	2.933	6.3	20.5
9 28	0 48.92	+ 0 45.0	1.936	2.932	2.6	20.3
10 8	0 40.56	+ 0 11.4	1.937	2.932	2.3	20.2
10 18	0 32.52	− 0 16.9	1.967	2.931	6.0	20.5
10 28	0 25.65	− 0 35.6	2.023	2.930	9.5	20.7
11 7	0 20.57	− 0 41.9	2.104	2.930	12.7	20.9
487199	2014 OB_{360}	10	4.8	16.°07	3.°8/30.2	18
8 29	1 1.81	− 2 29.8	2.040	2.901	12.4	20.7
9 8	0 58.66	− 3 54.1	1.975	2.904	9.4	20.5
9 18	0 53.76	− 5 24.9	1.934	2.906	6.2	20.3
9 28	0 47.68	− 6 55.2	1.921	2.909	3.9	20.2
10 8	0 41.14	− 8 17.4	1.935	2.913	4.9	20.3
10 18	0 34.93	− 9 24.9	1.977	2.917	7.9	20.5
10 28	0 29.82	−10 12.9	2.044	2.921	11.0	20.7
11 7	0 26.37	−10 39.7	2.134	2.925	13.7	20.9
451795	2013 HS_{17}	10	4.8	99.°17	4.°0/29.9	18
8 29	1 5.28	− 6 6.2	2.381	3.233	11.2	21.5
9 8	1 0.94	− 7 9.2	2.325	3.247	8.5	21.4
9 18	0 55.05	− 8 14.0	2.295	3.261	5.8	21.2
9 28	0 48.16	− 9 14.9	2.292	3.275	4.1	21.1
10 8	0 40.93	−10 6.5	2.317	3.288	4.9	21.2
10 18	0 34.08	−10 44.4	2.371	3.301	7.3	21.4
10 28	0 28.26	−11 5.9	2.451	3.314	9.9	21.6
11 7	0 23.96	−11 10.2	2.554	3.327	12.2	21.8
455033	2015 TH_{348}	10	4.8	175.°84	3.°8/ 1.1	18
8 29	1 8.78	− 6 4.8	2.216	3.065	12.1	21.2
9 8	1 3.80	− 6 36.0	2.145	3.065	9.2	21.0
9 18	0 57.02	− 7 8.8	2.098	3.065	6.2	20.8
9 28	0 49.01	− 7 38.2	2.079	3.065	4.0	20.7
10 8	0 40.53	− 7 59.3	2.087	3.065	4.6	20.7
10 18	0 32.40	− 8 8.4	2.124	3.065	7.3	20.9
10 28	0 25.41	− 8 2.9	2.187	3.065	10.3	21.1
11 7	0 20.16	− 7 42.3	2.274	3.065	13.0	21.3
457897	2009 TC_{32}	10	4.8	5.°92	4.°0/ 2.1	18
8 29	1 9.07	− 5 24.7	1.560	2.426	15.4	19.7
9 8	1 4.69	− 5 32.5	1.498	2.427	11.7	19.5
9 18	0 57.89	− 5 41.7	1.457	2.429	7.8	19.3
9 28	0 49.42	− 5 46.9	1.441	2.432	4.5	19.1
10 8	0 40.34	− 5 42.8	1.450	2.436	4.9	19.2
10 18	0 31.80	− 5 25.7	1.486	2.442	8.5	19.4
10 28	0 24.86	− 4 53.5	1.546	2.448	12.3	19.6
11 7	0 20.24	− 4 6.1	1.628	2.456	15.7	19.9
27233	Mahajan	10	4.8	135.°70	2.°2/ 6.9	18
8 29	1 8.73	+13 12.4	1.889	2.697	15.4	18.4
9 8	1 4.16	+13 1.7	1.813	2.703	12.2	18.2
9 18	0 57.46	+12 34.1	1.758	2.709	8.5	18.0
9 28	0 49.24	+11 51.0	1.727	2.714	4.6	17.8
10 8	0 40.42	+10 56.8	1.724	2.720	2.3	17.6
10 18	0 31.99	+ 9 57.5	1.749	2.725	5.3	17.8
10 28	0 24.91	+ 9 0.0	1.802	2.729	9.2	18.1
11 7	0 19.86	+ 8 10.8	1.879	2.734	12.7	18.3
501878	2014 WF_{365}	10	4.8	219.°49	2.°5/ 1.3	17 C
8 29	1 12.02	− 1 16.2	3.084	3.903	9.8	23.2
9 8	1 5.89	− 2 26.1	2.981	3.887	7.4	23.1
9 18	0 58.26	− 3 42.3	2.906	3.870	4.8	22.9
9 28	0 49.53	− 5 0.5	2.861	3.851	2.7	22.7
10 8	0 40.28	− 6 15.4	2.849	3.830	3.3	22.7
10 18	0 31.16	− 7 22.3	2.870	3.808	5.8	22.9
10 28	0 22.83	− 8 17.0	2.921	3.785	8.5	23.0
11 7	0 15.82	− 8 57.1	2.999	3.760	10.8	23.1
250988	2006 KK_{31}	10	4.8	71.°06	1.°4/ 3.9	17
8 29	1 13.05	+ 3 59.3	1.261	2.118	18.8	20.6
9 8	1 8.01	+ 3 30.6	1.214	2.138	14.3	20.4
9 18	1 0.12	+ 2 48.3	1.186	2.158	9.1	20.2
9 28	0 50.33	+ 1 58.7	1.182	2.179	3.6	19.9
10 8	0 39.99	+ 1 9.6	1.203	2.199	2.7	19.9
10 18	0 30.53	+ 0 29.0	1.250	2.219	7.9	20.3
10 28	0 23.14	+ 0 3.2	1.321	2.240	12.6	20.6
11 7	0 18.55	− 0 4.6	1.413	2.259	16.6	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
305082	2007 UV_{127}	10	4.8	68.°18	7.°2/13.4	18
	h m	° ′			°	m
8 29	1 7.05	+28 43.2	1.829	2.561	18.5	20.1
9 8	1 3.06	+28 45.6	1.762	2.580	15.9	20.0
9 18	0 56.79	+28 19.6	1.711	2.599	12.8	19.8
9 28	0 48.96	+27 23.9	1.682	2.618	9.8	19.7
10 8	0 40.59	+26 1.3	1.678	2.637	7.6	19.6
10 18	0 32.77	+24 18.4	1.699	2.656	7.5	19.6
10 28	0 26.48	+22 25.0	1.748	2.675	9.5	19.8
11 7	0 22.39	+20 32.1	1.822	2.694	12.2	20.0
213139	2000 GH_{23}	10	4.8	243.°44	1.°0/ 3.9	18
8 29	1 9.85	+ 3 1.5	2.091	2.924	13.3	21.1
9 8	1 4.88	+ 2 47.9	2.003	2.915	10.2	20.9
9 18	0 57.90	+ 2 26.1	1.938	2.906	6.6	20.7
9 28	0 49.45	+ 1 59.2	1.900	2.896	2.7	20.4
10 8	0 40.34	+ 1 31.6	1.890	2.886	2.0	20.3
10 18	0 31.48	+ 1 7.7	1.910	2.876	5.9	20.6
10 28	0 23.79	+ 0 52.0	1.956	2.866	9.7	20.8
11 7	0 17.95	+ 0 47.6	2.027	2.856	13.0	21.0
161453	2003 YE_{158}	10	4.8	16.°08	7.°2/ 9.8	18
8 29	1 10.95	+19 16.4	1.410	2.210	20.1	18.7
9 8	1 6.77	+20 30.0	1.342	2.214	16.8	18.5
9 18	0 59.64	+21 22.0	1.292	2.220	13.1	18.3
9 28	0 50.29	+21 48.5	1.263	2.226	9.4	18.1
10 8	0 39.94	+21 49.2	1.257	2.234	7.2	18.0
10 18	0 30.05	+21 27.6	1.277	2.242	8.3	18.1
10 28	0 22.03	+20 51.6	1.320	2.252	11.5	18.3
11 7	0 16.83	+20 11.1	1.386	2.262	15.0	18.5
60639	2000 FW_{31}	10	4.8	57.°74	7.°2/29.6	18
8 29	1 11.43	− 9 20.0	1.327	2.201	17.0	18.7
9 8	1 6.58	−10 30.0	1.291	2.221	13.1	18.6
9 18	0 59.07	−11 38.2	1.275	2.241	9.4	18.4
9 28	0 49.86	−12 34.7	1.283	2.261	7.2	18.3
10 8	0 40.24	−13 10.5	1.315	2.282	8.4	18.5
10 18	0 31.50	−13 20.9	1.372	2.303	11.5	18.7
10 28	0 24.73	−13 4.6	1.451	2.323	14.9	19.0
11 7	0 20.57	−12 24.3	1.550	2.344	17.9	19.2
134211	2005 QO_{98}	10	4.8	1.°77	1.°6/ 3.3	18
8 29	1 5.91	+ 2 32.0	1.913	2.760	13.7	20.2
9 8	1 1.94	+ 1 55.9	1.840	2.760	10.4	20.0
9 18	0 55.99	+ 1 10.4	1.789	2.760	6.7	19.8
9 28	0 48.65	+ 0 20.0	1.764	2.760	2.8	19.5
10 8	0 40.76	− 0 29.4	1.766	2.760	2.6	19.5
10 18	0 33.21	− 1 12.0	1.796	2.761	6.5	19.8
10 28	0 26.90	− 1 42.6	1.853	2.761	10.2	20.0
11 7	0 22.46	− 1 58.2	1.933	2.762	13.5	20.2
246339	2007 TT_{261}	10	4.8	347.°89	0.°0/ 4.8	18
8 29	1 6.90	+ 7 5.2	1.755	2.593	15.2	21.0
9 8	1 2.92	+ 6 43.9	1.679	2.591	11.7	20.8
9 18	0 56.75	+ 6 9.0	1.624	2.590	7.7	20.6
9 28	0 49.00	+ 5 23.9	1.594	2.589	3.2	20.3
10 8	0 40.59	+ 4 34.1	1.590	2.588	1.5	20.2
10 18	0 32.54	+ 3 45.8	1.615	2.588	6.0	20.5
10 28	0 25.85	+ 3 5.5	1.665	2.587	10.2	20.7
11 7	0 21.24	+ 2 38.0	1.739	2.587	13.9	21.0
237444	1999 TZ_{66}	10	4.8	211.°46	2.°2/ 7.3	18
8 29	1 5.61	+15 31.0	2.026	2.824	14.8	20.6
9 8	1 1.74	+14 52.4	1.937	2.821	11.9	20.4
9 18	0 55.90	+13 53.9	1.870	2.817	8.4	20.2
9 28	0 48.64	+12 37.4	1.828	2.813	4.6	20.0
10 8	0 40.77	+11 8.2	1.814	2.809	2.2	19.8
10 18	0 33.19	+ 9 33.3	1.828	2.804	5.1	20.0
10 28	0 26.80	+ 8 1.2	1.871	2.799	8.9	20.2
11 7	0 22.27	+ 6 39.3	1.940	2.794	12.4	20.4
453501	2009 TM_{34}	10	4.8	12.°59	6.°9/29.3	18
8 29	1 11.25	−14 35.9	1.884	2.739	13.6	19.9
9 8	1 5.94	−15 7.5	1.827	2.742	10.8	19.8
9 18	0 58.51	−15 33.3	1.792	2.745	8.3	19.6
9 28	0 49.65	−15 46.6	1.783	2.748	6.9	19.6
10 8	0 40.34	−15 42.2	1.800	2.752	7.8	19.6
10 18	0 31.57	−15 17.4	1.843	2.757	10.1	19.8
10 28	0 24.26	−14 31.9	1.910	2.762	12.8	20.0
11 7	0 19.04	−13 28.0	2.000	2.767	15.3	20.2
393182	2013 CU_{100}	10	4.8	26.°42	3.°0/10.4	18
8 29	1 0.94	+20 52.2	4.160	4.896	8.8	20.7
9 8	0 57.22	+21 4.0	4.067	4.899	7.3	20.6
9 18	0 52.52	+21 5.7	3.996	4.902	5.6	20.5
9 28	0 47.14	+20 57.4	3.952	4.905	4.0	20.4
10 8	0 41.48	+20 40.2	3.936	4.907	3.1	20.3
10 18	0 35.94	+20 15.8	3.950	4.910	3.4	20.4
10 28	0 30.94	+19 46.7	3.993	4.913	4.8	20.5
11 7	0 26.84	+19 15.9	4.063	4.917	6.5	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
251788	1999 RM_{212}		10	4.8	329.°91	6.°2/ 9.0 18
	h m	° ′			°	m
8 29	1 1.67	+17 33.1	1.110	1.952	21.9	19.0
9 8	1 0.47	+18 8.6	1.026	1.929	18.2	18.7
9 18	0 56.08	+18 16.8	0.957	1.908	13.9	18.4
9 28	0 49.03	+17 54.1	0.907	1.887	9.2	18.1
10 8	0 40.52	+17 1.9	0.879	1.868	6.2	17.9
10 18	0 32.16	+15 47.0	0.872	1.850	8.4	17.9
10 28	0 25.69	+14 22.2	0.886	1.834	13.4	18.1
11 7	0 22.40	+13 1.8	0.920	1.820	18.5	18.4
361857	2008 EK_{23}		10	4.8	172.°76	3.°6/30.6 18
8 29	1 6.85	− 5 14.7	2.480	3.326	11.0	21.6
9 8	1 2.17	− 6 5.9	2.410	3.329	8.4	21.4
9 18	0 55.91	− 6 59.7	2.364	3.331	5.6	21.2
9 28	0 48.58	− 7 51.1	2.347	3.332	3.7	21.1
10 8	0 40.84	− 8 35.0	2.358	3.334	4.4	21.2
10 18	0 33.40	− 9 7.2	2.398	3.334	6.9	21.3
10 28	0 26.95	− 9 24.7	2.465	3.335	9.6	21.5
11 7	0 22.02	− 9 26.5	2.556	3.335	12.0	21.7
306132	2010 JU_{114}		10	4.8	26.°26	4.°8/ 9.3 18
8 29	1 3.32	+19 4.6	1.356	2.173	19.9	19.5
9 8	1 0.72	+19 0.4	1.298	2.186	16.3	19.3
9 18	0 55.53	+18 28.4	1.258	2.201	12.0	19.1
9 28	0 48.53	+17 29.7	1.239	2.217	7.7	18.9
10 8	0 40.88	+16 9.9	1.244	2.233	4.8	18.8
10 18	0 33.84	+14 38.3	1.274	2.251	6.6	19.0
10 28	0 28.53	+13 6.4	1.329	2.270	10.5	19.3
11 7	0 25.69	+11 44.3	1.406	2.289	14.4	19.6
260207	2004 RS_{184}		10	4.8	303.°59	3.°8/ 9.1 18
8 29	1 3.95	+18 40.6	2.120	2.904	14.8	20.3
9 8	1 0.50	+18 32.6	2.026	2.894	12.1	20.1
9 18	0 55.14	+18 5.1	1.952	2.885	9.0	19.9
9 28	0 48.36	+17 18.6	1.902	2.875	5.8	19.7
10 8	0 40.93	+16 15.9	1.879	2.866	3.8	19.5
10 18	0 33.72	+15 2.3	1.884	2.857	5.2	19.6
10 28	0 27.61	+13 45.0	1.916	2.848	8.4	19.8
11 7	0 23.27	+12 31.4	1.974	2.840	11.7	20.0
334161	2001 SD_{29}		10	4.8	343.°24	1.°1/ 4.0 18
8 29	1 2.64	+ 5 6.8	1.153	2.030	18.9	19.9
9 8	1 0.73	+ 4 39.2	1.083	2.018	14.6	19.6
9 18	0 55.90	+ 3 53.6	1.030	2.007	9.5	19.3
9 28	0 48.82	+ 2 55.4	0.999	1.997	3.8	19.0
10 8	0 40.71	+ 1 53.6	0.991	1.988	2.7	18.9
10 18	0 33.01	+ 0 58.0	1.007	1.981	8.4	19.2
10 28	0 27.15	+ 0 18.2	1.044	1.975	13.9	19.5
11 7	0 24.08	− 0 0.1	1.101	1.971	18.6	19.7
134353	1993 TB_{30}		10	4.8	86.°66	3.°8/ 1.5 18
8 29	1 10.19	− 4 24.4	1.863	2.716	13.8	19.4
9 8	1 5.11	− 5 1.5	1.804	2.726	10.5	19.2
9 18	0 57.97	− 5 41.7	1.768	2.737	6.9	19.0
9 28	0 49.45	− 6 19.2	1.758	2.747	4.1	18.9
10 8	0 40.47	− 6 48.2	1.775	2.758	4.7	19.0
10 18	0 32.00	− 7 4.0	1.820	2.768	7.9	19.2
10 28	0 24.93	− 7 3.8	1.891	2.778	11.2	19.4
11 7	0 19.88	− 6 46.9	1.985	2.788	14.2	19.6
57707	2001 UG_{118}		10	4.8	319.°39	0.°4/ 4.5 18
8 29	1 5.37	+ 6 16.9	1.936	2.773	14.0	19.6
9 8	1 1.58	+ 5 45.1	1.856	2.769	10.8	19.4
9 18	0 55.81	+ 5 0.9	1.798	2.766	7.0	19.2
9 28	0 48.62	+ 4 7.9	1.766	2.763	2.8	18.9
10 8	0 40.83	+ 3 11.6	1.762	2.759	1.6	18.8
10 18	0 33.34	+ 2 18.2	1.785	2.756	5.8	19.1
10 28	0 27.05	+ 1 33.6	1.836	2.753	9.7	19.4
11 7	0 22.63	+ 1 2.3	1.910	2.750	13.2	19.6
191913	2005 LO_{25}		10	4.8	45.°80	0.°4/ 4.1 18
8 29	0 58.75	+ 4 21.5	4.030	4.852	7.6	20.2
9 8	0 55.51	+ 3 55.8	3.950	4.857	5.7	20.1
9 18	0 51.38	+ 3 25.1	3.897	4.862	3.7	19.9
9 28	0 46.67	+ 2 51.3	3.872	4.868	1.5	19.8
10 8	0 41.74	+ 2 17.0	3.876	4.873	1.0	19.7
10 18	0 36.95	+ 1 44.5	3.912	4.878	3.2	19.9
10 28	0 32.68	+ 1 16.3	3.976	4.883	5.3	20.1
11 7	0 29.25	+ 0 54.4	4.067	4.889	7.1	20.2
315167	2007 GE_4		10	4.8	153.°94	7.°4/25.0 18
8 29	1 8.02	−21 33.7	2.714	3.550	10.5	20.8
9 8	1 2.94	−22 39.5	2.667	3.556	8.8	20.7
9 18	0 56.34	−23 37.3	2.644	3.561	7.6	20.6
9 28	0 48.74	−24 21.2	2.647	3.566	7.4	20.6
10 8	0 40.81	−24 46.9	2.676	3.571	8.2	20.7
10 18	0 33.26	−24 51.9	2.732	3.576	9.7	20.8
10 28	0 26.73	−24 35.6	2.811	3.580	11.4	20.9
11 7	0 21.72	−23 59.9	2.910	3.583	12.9	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
102250	1999 TU_{27}		10	4.8	16.°01	5.°5/ 1.9 18
	h m	° ′			°	m
8 29	1 14.23	− 8 11.1	1.314	2.184	17.5	18.3
9 8	1 9.01	− 8 16.0	1.259	2.188	13.5	18.1
9 18	1 0.87	− 8 19.2	1.224	2.194	9.2	17.9
9 28	0 50.73	− 8 13.8	1.213	2.201	5.9	17.7
10 8	0 39.92	− 7 54.3	1.226	2.208	6.4	17.8
10 18	0 29.88	− 7 17.3	1.265	2.217	10.1	18.0
10 28	0 21.89	− 6 22.4	1.327	2.226	14.1	18.3
11 7	0 16.72	− 5 11.5	1.410	2.237	17.7	18.5
73000	2002 ER_{20}		10	4.8	90.°49	2.°1/ 2.8 18
8 29	1 7.20	+ 2 37.6	1.750	2.599	14.7	19.5
9 8	1 3.00	+ 1 40.9	1.688	2.610	11.1	19.3
9 18	0 56.69	+ 0 33.6	1.649	2.621	7.1	19.1
9 28	0 48.96	− 0 38.4	1.636	2.632	3.1	18.9
10 8	0 40.73	− 1 47.6	1.650	2.642	3.2	18.9
10 18	0 32.98	− 2 46.9	1.692	2.653	7.1	19.2
10 28	0 26.63	− 3 30.5	1.759	2.663	10.9	19.4
11 7	0 22.31	− 3 55.6	1.850	2.674	14.2	19.7
381082	2007 BV_{36}		10	4.9	297.°12	0.°0/ 4.7 18
8 29	1 8.01	+ 6 53.1	1.453	2.301	17.2	21.6
9 8	1 4.45	+ 6 36.1	1.366	2.285	13.5	21.4
9 18	0 58.16	+ 6 2.9	1.300	2.268	8.9	21.0
9 28	0 49.76	+ 5 16.8	1.256	2.252	3.8	20.7
10 8	0 40.30	+ 4 23.8	1.238	2.236	1.7	20.5
10 18	0 31.09	+ 3 31.7	1.246	2.220	7.2	20.8
10 28	0 23.44	+ 2 48.9	1.279	2.205	12.3	21.1
11 7	0 18.35	+ 2 21.7	1.333	2.190	16.8	21.3
37281	2000 YA_{61}		10	4.9	310.°94	1.°2/ 2.5 18
8 29	0 58.64	+ 0 15.7	4.058	4.892	7.3	19.1
9 8	0 55.45	− 0 16.2	3.974	4.888	5.5	19.0
9 18	0 51.37	− 0 51.8	3.916	4.884	3.5	18.8
9 28	0 46.69	− 1 28.5	3.886	4.881	1.6	18.7
10 8	0 41.77	− 2 4.0	3.886	4.877	1.8	18.7
10 18	0 36.97	− 2 35.5	3.917	4.873	3.7	18.9
10 28	0 32.69	− 3 1.0	3.976	4.869	5.7	19.0
11 7	0 29.22	− 3 18.6	4.062	4.865	7.5	19.1
211294	2002 RE_{198}		10	4.9	314.°71	0.°0/ 4.7 18
8 29	1 7.37	+ 6 26.1	1.737	2.576	15.3	20.6
9 8	1 3.40	+ 6 12.7	1.655	2.568	11.8	20.4
9 18	0 57.16	+ 5 46.6	1.594	2.561	7.8	20.1
9 28	0 49.24	+ 5 10.6	1.558	2.553	3.2	19.8
10 8	0 40.57	+ 4 30.0	1.548	2.546	1.5	19.7
10 18	0 32.20	+ 3 50.5	1.566	2.539	6.2	20.0
10 28	0 25.19	+ 3 18.5	1.610	2.532	10.5	20.2
11 7	0 20.30	+ 2 58.7	1.677	2.526	14.3	20.4
238559	2004 XX_{28}		10	4.9	259.°28	5.°0/29.9 18
8 29	1 7.92	− 6 5.3	1.885	2.744	13.4	20.3
9 8	1 3.64	− 7 10.0	1.806	2.731	10.3	20.1
9 18	0 57.22	− 8 18.9	1.751	2.718	7.1	19.9
9 28	0 49.24	− 9 24.9	1.721	2.705	5.1	19.8
10 8	0 40.58	−10 20.5	1.718	2.691	6.1	19.8
10 18	0 32.20	−10 59.1	1.743	2.677	9.2	20.0
10 28	0 25.08	−11 16.7	1.792	2.663	12.6	20.1
11 7	0 19.94	−11 12.2	1.863	2.649	15.6	20.3
11104	Airion		10	4.9	18.°20	4.°9/10.2 18
8 29	1 3.69	+21 29.0	1.847	2.627	16.8	17.2
9 8	1 0.52	+21 23.4	1.768	2.630	13.9	17.0
9 18	0 55.22	+20 54.2	1.709	2.633	10.6	16.8
9 28	0 48.41	+20 1.4	1.671	2.638	7.3	16.7
10 8	0 40.98	+18 48.4	1.660	2.642	5.0	16.5
10 18	0 33.91	+17 21.6	1.675	2.647	6.0	16.6
10 28	0 28.15	+15 49.9	1.717	2.652	9.0	16.8
11 7	0 24.40	+14 22.3	1.784	2.658	12.3	17.0
446864	2001 WK_{33}		10	4.9	279.°07	6.°3/28.6 18
8 29	1 9.18	−12 21.9	2.068	2.922	12.6	21.3
9 8	1 4.43	−13 15.2	1.989	2.906	10.0	21.1
9 18	0 57.66	−14 6.8	1.935	2.890	7.6	20.9
9 28	0 49.41	−14 49.6	1.906	2.874	6.3	20.8
10 8	0 40.52	−15 17.3	1.904	2.857	7.3	20.8
10 18	0 31.92	−15 25.3	1.928	2.841	9.8	20.9
10 28	0 24.52	−15 11.3	1.978	2.824	12.6	21.1
11 7	0 19.01	−14 36.1	2.048	2.808	15.3	21.2
227728	2006 EB_{43}		10	4.9	220.°72	3.°2/ 1.1 18
8 29	1 7.30	− 5 37.3	2.685	3.527	10.4	20.5
9 8	1 2.46	− 6 9.6	2.605	3.522	7.9	20.4
9 18	0 56.10	− 6 43.6	2.550	3.516	5.3	20.2
9 28	0 48.70	− 7 15.3	2.523	3.509	3.4	20.1
10 8	0 40.87	− 7 40.6	2.525	3.503	4.0	20.1
10 18	0 33.28	− 7 55.9	2.556	3.496	6.3	20.2
10 28	0 26.59	− 7 59.0	2.615	3.489	9.0	20.4
11 7	0 21.32	− 7 48.6	2.698	3.481	11.4	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
458135	2010 GE_{25}		10	4.9	182.°34	8.°6/13.6 16 C
	h m	° ′			°	m
8 29	1 21.47	+32 12.1	2.374	3.030	16.5	25.4
9 8	1 14.07	+33 5.6	2.276	3.033	14.6	25.2
9 18	1 4.09	+33 37.2	2.197	3.034	12.4	25.1
9 28	0 52.15	+33 42.3	2.141	3.033	10.3	24.9
10 8	0 39.24	+33 18.9	2.111	3.032	8.8	24.8
10 18	0 26.54	+32 28.8	2.109	3.028	8.7	24.8
10 28	0 15.28	+31 18.0	2.135	3.023	10.0	24.9
11 7	0 6.33	+29 55.5	2.187	3.017	12.1	25.0
25800	Glukhovsky		10	4.9	189.°08	0.°1/ 5.0 18
8 29	1 1.78	+ 6 52.0	3.660	4.471	8.5	19.7
9 8	0 57.91	+ 6 31.8	3.572	4.470	6.5	19.5
9 18	0 53.00	+ 6 4.9	3.509	4.469	4.3	19.4
9 28	0 47.38	+ 5 33.3	3.474	4.468	1.8	19.2
10 8	0 41.48	+ 4 59.3	3.469	4.467	0.8	19.1
10 18	0 35.72	+ 4 25.8	3.495	4.465	3.3	19.3
10 28	0 30.56	+ 3 55.5	3.550	4.463	5.6	19.5
11 7	0 26.37	+ 3 30.9	3.633	4.461	7.7	19.6
402808	2007 DD_{89}		10	4.9	79.°23	4.°5/29.2 18
8 29	1 4.52	− 5 49.3	2.238	3.095	11.7	20.6
9 8	1 0.46	− 7 17.7	2.192	3.115	8.8	20.5
9 18	0 54.81	− 8 48.2	2.170	3.136	6.1	20.3
9 28	0 48.14	−10 13.9	2.176	3.157	4.5	20.3
10 8	0 41.15	−11 28.1	2.211	3.177	5.5	20.4
10 18	0 34.58	−12 25.7	2.273	3.198	7.9	20.6
10 28	0 29.10	−13 3.6	2.362	3.218	10.5	20.8
11 7	0 25.19	−13 21.3	2.472	3.238	12.8	21.0
494592	2017 BQ_{101}		10	4.9	331.°53	6.°0/27.2 18
8 29	1 1.64	− 9 11.7	2.044	2.913	12.1	20.2
9 8	0 58.66	−10 51.1	1.977	2.904	9.4	20.0
9 18	0 53.88	−12 32.7	1.934	2.897	7.0	19.9
9 28	0 47.83	−14 8.1	1.918	2.889	6.1	19.8
10 8	0 41.26	−15 29.3	1.929	2.882	7.3	19.9
10 18	0 34.97	−16 29.9	1.966	2.875	9.9	20.0
10 28	0 29.76	−17 6.0	2.028	2.868	12.6	20.2
11 7	0 26.23	−17 17.1	2.109	2.862	15.1	20.3
401507	2013 EE_{32}		10	4.9	126.°04	2.°4/ 2.1 18
8 29	1 4.31	+ 1 16.5	2.085	2.934	12.7	21.3
9 8	1 0.57	+ 0 10.6	2.014	2.936	9.6	21.1
9 18	0 55.05	− 1 4.4	1.966	2.938	6.1	20.9
9 28	0 48.30	− 2 22.7	1.945	2.939	2.9	20.7
10 8	0 41.06	− 3 37.7	1.952	2.941	3.4	20.7
10 18	0 34.15	− 4 42.7	1.988	2.943	6.7	20.9
10 28	0 28.35	− 5 32.7	2.050	2.944	10.1	21.2
11 7	0 24.24	− 6 4.7	2.136	2.946	13.1	21.4
74729	1999 RH_{175}		10	4.9	264.°73	1.°6/ 5.9 18
8 29	1 12.24	+ 9 7.4	1.540	2.370	17.3	19.2
9 8	1 7.58	+ 9 17.2	1.454	2.360	13.7	19.0
9 18	1 0.15	+ 9 11.9	1.388	2.349	9.3	18.7
9 28	0 50.59	+ 8 52.6	1.345	2.338	4.5	18.4
10 8	0 39.98	+ 8 23.4	1.329	2.327	1.9	18.2
10 18	0 29.64	+ 7 49.8	1.340	2.315	6.6	18.5
10 28	0 20.90	+ 7 19.1	1.376	2.304	11.5	18.7
11 7	0 14.74	+ 6 57.5	1.435	2.292	15.7	18.9
228309	2000 JA_{43}		10	4.9	53.°90	5.°6/ 1.4 16
8 29	1 14.71	− 6 48.7	1.295	2.163	17.7	19.8
9 8	1 9.07	− 7 25.4	1.258	2.187	13.5	19.6
9 18	1 0.68	− 8 2.5	1.242	2.212	9.1	19.4
9 28	0 50.57	− 8 31.8	1.250	2.237	5.9	19.3
10 8	0 40.11	− 8 46.1	1.283	2.262	6.6	19.4
10 18	0 30.63	− 8 41.1	1.340	2.288	10.1	19.7
10 28	0 23.25	− 8 15.6	1.422	2.313	13.9	20.0
11 7	0 18.62	− 7 31.0	1.524	2.339	17.2	20.3
2873	Binzel		10	4.9	79.°93	4.°7/ 1.4 18
8 29	1 12.05	− 2 42.4	1.322	2.189	17.5	16.2
9 8	1 7.15	− 3 47.2	1.277	2.208	13.2	16.0
9 18	0 59.55	− 4 58.6	1.253	2.226	8.6	15.8
9 28	0 50.16	− 6 7.4	1.253	2.245	5.0	15.7
10 8	0 40.28	− 7 3.9	1.279	2.263	5.9	15.8
10 18	0 31.21	− 7 41.0	1.330	2.281	9.8	16.0
10 28	0 24.11	− 7 54.7	1.404	2.298	13.9	16.3
11 7	0 19.65	− 7 44.8	1.499	2.316	17.3	16.6
395733	2012 UO_{77}		10	4.9	310.°40	5.°4/ 1.2 18
8 29	1 12.60	− 7 47.5	1.555	2.416	15.6	20.3
9 8	1 7.74	− 8 10.9	1.475	2.400	12.2	20.1
9 18	1 0.17	− 8 34.6	1.416	2.383	8.5	19.8
9 28	0 50.57	− 8 51.9	1.381	2.367	5.7	19.6
10 8	0 40.03	− 8 56.0	1.373	2.352	6.4	19.6
10 18	0 29.84	− 8 41.8	1.391	2.336	10.0	19.8
10 28	0 21.27	− 8 7.0	1.432	2.322	14.0	20.0
11 7	0 15.23	− 7 12.2	1.495	2.307	17.6	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
68315	2001 FT_{144}		10	4.9	285.°41	7.°3/24.2 18
	h m	° ′			°	m
8 29	1 2.81	−13 40.9	2.218	3.081	11.5	18.9
9 8	0 59.52	−15 49.8	2.148	3.066	9.3	18.7
9 18	0 54.46	−17 58.8	2.104	3.051	7.7	18.6
9 28	0 48.11	−19 58.6	2.088	3.035	7.5	18.5
10 8	0 41.18	−21 40.4	2.100	3.020	8.9	18.6
10 18	0 34.46	−22 57.9	2.137	3.005	11.1	18.7
10 28	0 28.74	−23 47.2	2.198	2.990	13.4	18.9
11 7	0 24.64	−24 8.6	2.278	2.975	15.6	19.0
401672	2013 GJ_{125}		10	4.9	93.°65	5.°3/28.9 18
8 29	1 6.75	−10 33.9	2.293	3.147	11.5	21.1
9 8	1 2.17	−11 32.6	2.239	3.158	8.9	21.0
9 18	0 55.95	−12 29.7	2.210	3.168	6.5	20.8
9 28	0 48.64	−13 19.5	2.207	3.178	5.3	20.8
10 8	0 40.98	−13 56.3	2.232	3.189	6.2	20.8
10 18	0 33.71	−14 16.6	2.284	3.199	8.4	21.0
10 28	0 27.55	−14 18.3	2.362	3.209	10.8	21.2
11 7	0 23.02	−14 1.8	2.462	3.219	13.0	21.4
80865	2000 DH_{28}		10	4.9	91.°88	0.°0/ 4.7 17 R
8 29	1 11.13	+ 7 22.0	1.593	2.428	16.6	19.6
9 8	1 6.17	+ 6 55.5	1.534	2.445	12.7	19.4
9 18	0 58.84	+ 6 14.4	1.496	2.462	8.3	19.2
9 28	0 49.89	+ 5 22.8	1.484	2.479	3.4	19.0
10 8	0 40.41	+ 4 27.1	1.498	2.496	1.5	18.9
10 18	0 31.55	+ 3 34.6	1.539	2.512	6.3	19.2
10 28	0 24.34	+ 2 51.7	1.607	2.528	10.6	19.5
11 7	0 19.45	+ 2 23.2	1.698	2.544	14.3	19.8
292233	2006 SG_{63}		10	4.9	43.°27	4.°1/ 8.6 18
8 29	1 8.75	+16 49.6	1.906	2.697	15.9	20.6
9 8	1 4.32	+17 9.7	1.826	2.700	13.0	20.4
9 18	0 57.69	+17 12.0	1.767	2.703	9.6	20.2
9 28	0 49.47	+16 56.1	1.731	2.706	6.1	20.0
10 8	0 40.57	+16 24.4	1.722	2.709	4.1	19.9
10 18	0 31.99	+15 41.3	1.740	2.712	5.7	20.0
10 28	0 24.74	+14 53.4	1.785	2.715	9.1	20.2
11 7	0 19.55	+14 7.6	1.855	2.719	12.4	20.5
253277	2003 BL_4		10	4.9	158.°32	6.°2/12.3 18
8 29	1 8.25	+26 35.5	2.406	3.125	14.9	20.5
9 8	1 3.63	+26 56.9	2.318	3.129	12.7	20.4
9 18	0 57.10	+26 58.2	2.249	3.133	10.3	20.2
9 28	0 49.20	+26 37.8	2.203	3.136	8.0	20.1
10 8	0 40.70	+25 56.6	2.183	3.139	6.4	20.0
10 18	0 32.46	+24 58.0	2.191	3.142	6.5	20.0
10 28	0 25.35	+23 47.8	2.226	3.144	8.2	20.1
11 7	0 20.02	+22 33.5	2.288	3.147	10.6	20.3
136416	2005 CY_{43}		10	4.9	58.°22	5.°8/ 9.7 18
8 29	1 15.64	+19 25.5	1.640	2.418	18.6	19.2
9 8	1 9.62	+20 13.9	1.589	2.449	15.3	19.1
9 18	1 1.07	+20 40.5	1.557	2.480	11.6	18.9
9 28	0 50.80	+20 43.8	1.548	2.512	8.0	18.8
10 8	0 40.02	+20 25.5	1.565	2.543	5.8	18.8
10 18	0 29.96	+19 50.8	1.609	2.574	6.9	18.9
10 28	0 21.73	+19 7.1	1.679	2.606	9.8	19.1
11 7	0 16.05	+18 22.9	1.774	2.637	12.9	19.4
469843	2005 TR_{43}		10	4.9	17.°02	1.°6/ 3.9 18
8 29	1 7.20	+ 2 3.8	0.961	1.849	20.9	20.2
9 8	1 4.38	+ 2 7.0	0.916	1.857	15.9	19.9
9 18	0 58.23	+ 1 58.0	0.889	1.867	10.2	19.7
9 28	0 49.75	+ 1 42.1	0.881	1.879	4.2	19.4
10 8	0 40.50	+ 1 27.0	0.896	1.893	3.0	19.4
10 18	0 32.13	+ 1 19.5	0.933	1.908	8.8	19.7
10 28	0 26.08	+ 1 25.6	0.992	1.925	14.1	20.1
11 7	0 23.16	+ 1 47.9	1.069	1.944	18.6	20.4
452744	2006 BH_{146}		10	4.9	266.°46	2.°4/ 2.0 18
8 29	1 4.50	− 0 5.8	2.369	3.214	11.5	21.6
9 8	1 0.63	− 0 56.4	2.280	3.200	8.7	21.4
9 18	0 55.09	− 1 54.2	2.216	3.186	5.6	21.2
9 28	0 48.36	− 2 54.6	2.179	3.172	2.8	21.0
10 8	0 41.09	− 3 52.3	2.170	3.158	3.2	21.0
10 18	0 34.02	− 4 41.9	2.191	3.144	6.3	21.2
10 28	0 27.89	− 5 18.9	2.238	3.130	9.5	21.4
11 7	0 23.27	− 5 40.5	2.310	3.116	12.3	21.5
90875	1996 VE_1		10	4.9	334.°41	4.°9/30.6 18
8 29	1 5.29	− 3 15.3	1.469	2.342	15.7	18.2
9 8	1 2.10	− 4 27.3	1.401	2.335	12.0	18.0
9 18	0 56.44	− 5 47.3	1.355	2.329	8.0	17.8
9 28	0 49.00	− 7 6.8	1.334	2.324	5.1	17.6
10 8	0 40.81	− 8 15.8	1.338	2.318	6.2	17.6
10 18	0 33.04	− 9 5.9	1.367	2.314	10.0	17.8
10 28	0 26.82	− 9 31.7	1.419	2.309	14.0	18.1
11 7	0 22.94	− 9 31.8	1.491	2.306	17.5	18.3

455244 2001 SS_{228} 10 4.9 321.°77 0.°2/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 29.88	− 1 41.8	0.988	1.844	22.9	19.8
9 8	1 22.83	− 0 11.6	0.913	1.835	18.1	19.5
9 18	1 11.07	+ 1 22.9	0.856	1.826	12.1	19.1
9 28	0 55.43	+ 3 1.9	0.822	1.818	5.1	18.7
10 8	0 37.80	+ 4 43.6	0.813	1.811	2.4	18.5
10 18	0 20.73	+ 6 24.6	0.830	1.804	9.8	18.9
10 28	0 6.69	+ 8 3.3	0.870	1.798	16.4	19.3
11 7	23 57.17	+ 9 40.0	0.931	1.792	21.9	19.6

452098 2014 QW_{50} 10 4.9 18.°68 3.°8/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 2.84	− 2 12.1	1.908	2.771	13.1	20.8
9 8	0 59.60	− 3 27.5	1.845	2.774	9.9	20.6
9 18	0 54.50	− 4 49.6	1.805	2.778	6.5	20.4
9 28	0 48.12	− 6 11.5	1.792	2.782	4.0	20.3
10 8	0 41.25	− 7 25.4	1.806	2.786	4.9	20.3
10 18	0 34.75	− 8 24.8	1.846	2.791	8.0	20.5
10 28	0 29.44	− 9 4.9	1.913	2.796	11.3	20.7
11 7	0 25.90	− 9 23.9	2.001	2.802	14.2	20.9

372362 2009 HK_{77} 10 4.9 142.°80 0.°1/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 12.45	+ 8 0.2	1.729	2.554	15.9	22.4
9 8	1 7.12	+ 7 29.7	1.660	2.565	12.3	22.2
9 18	0 59.46	+ 6 44.4	1.613	2.576	8.0	22.0
9 28	0 50.19	+ 5 47.9	1.591	2.586	3.4	21.7
10 8	0 40.32	+ 4 46.5	1.597	2.595	1.5	21.6
10 18	0 30.97	+ 3 47.2	1.632	2.603	6.1	21.9
10 28	0 23.15	+ 2 56.9	1.693	2.611	10.4	22.2
11 7	0 17.59	+ 2 20.6	1.779	2.618	14.0	22.4

228450 2001 QH_{195} 10 4.9 358.°12 3.°5/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.81	+ 0 45.9	0.975	1.873	19.7	19.6
9 8	0 59.63	+ 0 6.8	0.919	1.867	15.1	19.3
9 18	0 55.30	− 0 46.2	0.881	1.862	9.7	19.0
9 28	0 48.63	− 1 44.7	0.863	1.860	4.5	18.7
10 8	0 41.01	− 2 37.6	0.866	1.859	4.9	18.8
10 18	0 33.99	− 3 14.5	0.891	1.861	10.2	19.1
10 28	0 29.03	− 3 28.0	0.937	1.864	15.5	19.4
11 7	0 27.02	− 3 15.7	1.000	1.870	20.0	19.7

417415 2006 JD_{54} 10 4.9 67.°01 6.°9/30.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 12.88	− 7 48.7	1.233	2.108	18.0	20.1
9 8	1 7.97	− 8 56.8	1.193	2.125	13.8	19.9
9 18	1 0.17	−10 5.4	1.173	2.141	9.7	19.7
9 28	0 50.47	−11 3.9	1.175	2.158	7.0	19.6
10 8	0 40.26	−11 42.8	1.202	2.175	8.1	19.8
10 18	0 30.96	−11 56.0	1.254	2.192	11.6	20.0
10 28	0 23.78	−11 41.9	1.327	2.209	15.4	20.3
11 7	0 19.40	−11 2.8	1.420	2.226	18.7	20.6

264885 2002 SY_{56} 10 4.9 2.°92 5.°9/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.19	− 5 53.0	1.111	1.996	18.8	19.5
9 8	1 5.72	− 6 27.2	1.056	1.995	14.4	19.2
9 18	0 59.08	− 7 4.6	1.019	1.994	9.8	19.0
9 28	0 50.16	− 7 36.0	1.005	1.995	6.2	18.8
10 8	0 40.38	− 7 52.3	1.013	1.997	7.1	18.9
10 18	0 31.30	− 7 47.2	1.044	2.000	11.2	19.1
10 28	0 24.36	− 7 17.8	1.097	2.004	15.8	19.4
11 7	0 20.43	− 6 25.4	1.169	2.009	19.7	19.6

118923 2000 VM_{51} 10 4.9 53.°18 1.°9/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.30	+10 57.8	1.603	2.430	16.9	19.2
9 8	1 4.99	+10 57.2	1.533	2.436	13.3	18.9
9 18	0 58.24	+10 39.7	1.483	2.442	9.1	18.7
9 28	0 49.75	+10 7.3	1.457	2.448	4.6	18.5
10 8	0 40.56	+ 9 24.5	1.457	2.454	2.0	18.3
10 18	0 31.83	+ 8 37.7	1.485	2.461	6.0	18.6
10 28	0 24.67	+ 7 54.0	1.538	2.468	10.3	18.9
11 7	0 19.83	+ 7 19.9	1.614	2.474	14.1	19.1

509021 2005 NE_{42} 10 4.9 2.°12 0.°1/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.37	+ 7 35.6	1.038	1.917	20.3	20.4
9 8	0 59.93	+ 7 6.8	0.979	1.914	15.7	20.1
9 18	0 55.44	+ 6 15.9	0.937	1.913	10.3	19.8
9 28	0 48.70	+ 5 8.5	0.916	1.913	4.3	19.5
10 8	0 41.04	+ 3 54.3	0.917	1.915	2.1	19.4
10 18	0 33.94	+ 2 44.9	0.941	1.919	8.2	19.8
10 28	0 28.84	+ 1 51.2	0.987	1.924	13.8	20.1
11 7	0 26.62	+ 1 19.8	1.052	1.931	18.5	20.4

151594 2002 VL_{31} 10 4.9 268.°57 2.°5/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.87	+14 29.1	1.644	2.459	17.0	20.3
9 8	1 3.33	+14 6.0	1.552	2.446	13.7	20.1
9 18	0 57.33	+13 20.6	1.481	2.433	9.7	19.8
9 28	0 49.45	+12 14.3	1.433	2.420	5.3	19.5
10 8	0 40.66	+10 52.1	1.411	2.406	2.5	19.3
10 18	0 32.12	+ 9 22.1	1.416	2.393	6.1	19.5
10 28	0 24.99	+ 7 54.4	1.447	2.379	10.7	19.8
11 7	0 20.15	+ 6 38.1	1.502	2.365	14.8	20.0

356903 2011 YH_{71} 10 4.9 267.°27 2.°4/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.38	− 7 6.8	4.513	5.357	6.5	20.7
9 8	0 55.18	− 7 42.9	4.439	5.356	4.9	20.6
9 18	0 51.20	− 8 19.5	4.391	5.355	3.4	20.5
9 28	0 46.69	− 8 54.0	4.372	5.353	2.4	20.4
10 8	0 41.96	− 9 24.1	4.382	5.352	2.9	20.4
10 18	0 37.37	− 9 47.7	4.423	5.350	4.3	20.6
10 28	0 33.23	−10 3.0	4.491	5.349	5.9	20.7
11 7	0 29.84	−10 9.2	4.584	5.347	7.3	20.8

437728 2014 DQ_{124} 10 4.9 338.°69 0.°4/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.14	+ 4 30.3	4.302	5.123	7.2	21.4
9 8	0 55.06	+ 4 1.7	4.216	5.122	5.4	21.3
9 18	0 51.14	+ 3 28.1	4.156	5.122	3.5	21.2
9 28	0 46.67	+ 2 51.5	4.125	5.121	1.4	21.0
10 8	0 41.97	+ 2 14.3	4.124	5.120	0.9	21.0
10 18	0 37.40	+ 1 38.8	4.153	5.120	3.0	21.1
10 28	0 33.29	+ 1 7.3	4.212	5.119	5.0	21.3
11 7	0 29.96	+ 0 41.9	4.298	5.118	6.8	21.4

516349 2017 BO_{99} 10 4.9 286.°44 2.°5/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.83	+ 0 9.1	2.099	2.949	12.6	21.6
9 8	1 1.07	− 0 41.4	2.017	2.940	9.6	21.4
9 18	0 55.48	− 1 39.9	1.959	2.931	6.2	21.2
9 28	0 48.57	− 2 41.3	1.927	2.922	3.0	21.0
10 8	0 41.10	− 3 39.6	1.924	2.913	3.5	21.0
10 18	0 33.87	− 4 28.8	1.948	2.904	6.8	21.2
10 28	0 27.73	− 5 4.0	1.999	2.895	10.2	21.4
11 7	0 23.29	− 5 22.5	2.073	2.886	13.3	21.6

379893 2012 HB_{73} 10 4.9 74.°97 2.°0/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 12.48	+ 2 37.0	1.404	2.258	17.4	21.1
9 8	1 7.37	+ 1 59.8	1.356	2.279	13.2	20.9
9 18	0 59.67	+ 1 11.5	1.329	2.301	8.4	20.7
9 28	0 50.27	+ 0 18.3	1.326	2.323	3.5	20.5
10 8	0 40.39	− 0 32.0	1.350	2.344	3.1	20.5
10 18	0 31.29	− 1 12.2	1.399	2.365	7.7	20.8
10 28	0 24.08	− 1 36.8	1.474	2.386	12.0	21.2
11 7	0 19.40	− 1 43.5	1.571	2.407	15.7	21.4

144437 2004 EH_{34} 10 4.9 324.°24 0.°4/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.40	+ 7 9.4	1.746	2.583	15.3	19.8
9 8	1 3.46	+ 7 1.8	1.664	2.576	11.9	19.6
9 18	0 57.25	+ 6 41.3	1.603	2.568	7.9	19.3
9 28	0 49.37	+ 6 10.4	1.566	2.561	3.4	19.0
10 8	0 40.73	+ 5 33.9	1.557	2.555	1.4	18.9
10 18	0 32.40	+ 4 57.3	1.574	2.548	6.0	19.2
10 28	0 25.40	+ 4 26.8	1.618	2.542	10.3	19.4
11 7	0 20.52	+ 4 7.2	1.684	2.537	14.1	19.7

213170 2000 SD_{62} 10 4.9 52.°53 0.°0/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.80	+ 5 29.2	1.129	1.988	20.4	20.0
9 8	1 8.99	+ 5 28.9	1.082	2.006	15.7	19.7
9 18	1 1.02	+ 5 13.2	1.053	2.024	10.2	19.5
9 28	0 50.89	+ 4 46.5	1.047	2.043	4.2	19.2
10 8	0 40.12	+ 4 15.7	1.065	2.062	1.9	19.1
10 18	0 30.27	+ 3 48.2	1.107	2.082	7.7	19.6
10 28	0 22.71	+ 3 31.0	1.173	2.102	12.9	19.9
11 7	0 18.22	+ 3 28.4	1.260	2.122	17.2	20.2

329931 2005 OP_5 10 4.9 46.°46 1.°4/ 3.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.51	+ 5 3.2	1.186	2.051	19.2	20.8
9 8	1 4.73	+ 4 17.7	1.143	2.072	14.6	20.6
9 18	0 58.13	+ 3 16.3	1.119	2.093	9.3	20.4
9 28	0 49.66	+ 2 6.3	1.117	2.114	3.7	20.1
10 8	0 40.68	+ 0 57.5	1.140	2.137	2.8	20.1
10 18	0 32.53	− 0 0.8	1.189	2.159	8.0	20.5
10 28	0 26.41	− 0 41.2	1.260	2.182	12.8	20.9
11 7	0 22.98	− 1 0.4	1.353	2.206	16.8	21.2

97081 1999 VW_{38} 10 4.9 358.°10 0.°8/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.09	+ 4 53.1	1.559	2.410	16.1	19.1
9 8	1 3.37	+ 4 30.0	1.487	2.408	12.4	18.9
9 18	0 57.23	+ 3 54.1	1.437	2.407	8.0	18.7
9 28	0 49.36	+ 3 9.4	1.410	2.407	3.2	18.4
10 8	0 40.76	+ 2 22.5	1.409	2.406	2.1	18.3
10 18	0 32.58	+ 1 40.1	1.435	2.407	6.8	18.6
10 28	0 25.92	+ 1 8.8	1.487	2.407	11.3	18.9
11 7	0 21.53	+ 0 52.7	1.560	2.409	15.2	19.1

62254 2000 SR_{83} 10 4.9 49.°73 1.°5/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.17	+ 4 25.6	1.349	2.209	17.7	19.3
9 8	1 4.20	+ 3 40.0	1.302	2.228	13.4	19.1
9 18	0 57.68	+ 2 40.5	1.275	2.248	8.5	18.9
9 28	0 49.47	+ 1 33.8	1.271	2.268	3.4	18.6
10 8	0 40.76	+ 0 28.7	1.293	2.289	2.8	18.6
10 18	0 32.78	− 0 26.7	1.341	2.310	7.6	19.0
10 28	0 26.59	− 1 5.7	1.413	2.331	12.0	19.3
11 7	0 22.87	− 1 25.1	1.507	2.353	15.8	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
441718	2009 BO_{33}		10	4.9	169.°90	2.°3/ 7.0 18
	h m	° ′			°	m
8 29	1 9.15	+12 35.2	1.952	2.759	15.0	21.8
9 8	1 4.55	+12 37.7	1.870	2.760	11.9	21.6
9 18	0 57.84	+12 24.9	1.810	2.761	8.4	21.4
9 28	0 49.59	+11 57.9	1.775	2.761	4.5	21.1
10 8	0 40.68	+11 20.0	1.767	2.762	2.3	21.0
10 18	0 32.09	+10 36.2	1.787	2.762	5.3	21.2
10 28	0 24.78	+ 9 52.7	1.834	2.762	9.1	21.4
11 7	0 19.46	+ 9 15.3	1.907	2.762	12.5	21.7
412959	2014 QD_{280}		10	4.9	105.°25	2.°1/ 7.2 18
8 29	1 7.71	+13 3.5	2.344	3.141	13.1	21.5
9 8	1 3.02	+13 2.1	2.269	3.151	10.4	21.3
9 18	0 56.62	+12 47.3	2.215	3.162	7.3	21.2
9 28	0 49.03	+12 20.5	2.188	3.172	4.0	21.0
10 8	0 40.98	+11 44.6	2.188	3.183	2.1	20.9
10 18	0 33.25	+11 3.8	2.218	3.193	4.5	21.0
10 28	0 26.60	+10 23.2	2.277	3.203	7.7	21.3
11 7	0 21.59	+ 9 47.4	2.361	3.212	10.6	21.5
130479	2000 QB_{97}		10	4.9	32.°61	1.°1/ 4.3 18
8 29	1 11.98	+ 3 9.6	1.024	1.898	20.9	18.8
9 8	1 7.93	+ 3 12.2	0.977	1.909	16.0	18.5
9 18	1 0.52	+ 3 1.7	0.947	1.922	10.3	18.3
9 28	0 50.77	+ 2 42.8	0.938	1.935	4.2	18.0
10 8	0 40.23	+ 2 22.8	0.952	1.949	2.6	17.9
10 18	0 30.61	+ 2 8.8	0.990	1.964	8.5	18.3
10 28	0 23.37	+ 2 7.1	1.050	1.980	13.9	18.7
11 7	0 19.35	+ 2 21.1	1.129	1.997	18.4	19.0
167963	2005 EM_{268}		10	4.9	311.°17	1.°3/ 6.1 18
8 29	1 4.72	+10 48.6	1.611	2.446	16.5	20.3
9 8	1 1.74	+10 28.8	1.519	2.428	13.0	20.0
9 18	0 56.35	+ 9 50.0	1.447	2.410	8.9	19.7
9 28	0 49.09	+ 8 54.5	1.399	2.392	4.3	19.4
10 8	0 40.90	+ 7 47.5	1.377	2.374	1.7	19.2
10 18	0 32.92	+ 6 36.7	1.380	2.357	6.2	19.4
10 28	0 26.29	+ 5 30.9	1.410	2.341	11.0	19.7
11 7	0 21.90	+ 4 37.9	1.462	2.325	15.2	19.9
261975	2006 QD_5		10	4.9	311.°15	3.°3/ 2.1 18
8 29	1 6.34	+ 1 41.6	1.348	2.216	17.2	20.3
9 8	1 3.17	+ 0 31.5	1.278	2.210	13.1	20.0
9 18	0 57.31	− 0 53.4	1.229	2.204	8.4	19.7
9 28	0 49.47	− 2 24.8	1.203	2.199	4.0	19.5
10 8	0 40.77	− 3 52.1	1.203	2.193	4.7	19.5
10 18	0 32.51	− 5 4.8	1.228	2.188	9.3	19.8
10 28	0 25.94	− 5 54.7	1.277	2.183	14.0	20.0
11 7	0 21.91	− 6 18.2	1.345	2.179	18.0	20.3
515690	2014 PN_{72}		10	4.9	126.°47	2.°0/ 2.3 18
8 29	1 4.87	+ 0 14.1	2.566	3.405	10.9	21.9
9 8	1 0.66	− 0 34.1	2.497	3.414	8.2	21.7
9 18	0 54.98	− 1 28.2	2.453	3.423	5.2	21.6
9 28	0 48.34	− 2 23.8	2.437	3.431	2.5	21.4
10 8	0 41.33	− 3 16.3	2.450	3.439	2.8	21.4
10 18	0 34.61	− 4 1.2	2.493	3.447	5.6	21.6
10 28	0 28.83	− 4 34.8	2.563	3.455	8.4	21.8
11 7	0 24.44	− 4 55.0	2.658	3.462	10.9	22.0
91976	1999 VD_{96}		10	4.9	30.°63	0.°0/ 4.9 18
8 29	1 5.57	+ 7 10.4	1.914	2.749	14.2	20.0
9 8	1 1.74	+ 6 48.1	1.843	2.754	11.0	19.8
9 18	0 55.94	+ 6 13.5	1.795	2.761	7.2	19.6
9 28	0 48.79	+ 5 29.8	1.772	2.767	3.0	19.4
10 8	0 41.12	+ 4 42.2	1.776	2.774	1.3	19.2
10 18	0 33.81	+ 3 56.2	1.808	2.781	5.5	19.6
10 28	0 27.75	+ 3 17.6	1.867	2.788	9.3	19.8
11 7	0 23.54	+ 2 50.5	1.950	2.796	12.7	20.0
77402	2001 FK_{168}		10	4.9	45.°28	2.°7/ 3.1 18 R
8 29	1 11.20	+ 0 28.0	1.268	2.134	18.2	18.6
9 8	1 6.81	+ 0 0.6	1.214	2.144	13.8	18.4
9 18	0 59.56	− 0 36.5	1.180	2.154	8.9	18.1
9 28	0 50.34	− 1 16.7	1.169	2.165	4.0	17.9
10 8	0 40.45	− 1 52.1	1.184	2.177	3.9	17.9
10 18	0 31.27	− 2 15.9	1.223	2.188	8.6	18.2
10 28	0 24.08	− 2 22.8	1.286	2.201	13.2	18.5
11 7	0 19.63	− 2 11.0	1.369	2.213	17.2	18.8
24298	1999 XC_{221}		10	4.9	7.°81	6.°1/11.0 18
8 29	1 1.40	+23 0.1	1.415	2.212	20.2	16.3
9 8	0 59.43	+22 57.0	1.343	2.213	16.9	16.1
9 18	0 54.89	+22 22.9	1.288	2.216	13.1	15.8
9 28	0 48.47	+21 16.9	1.253	2.219	9.1	15.6
10 8	0 41.25	+19 43.4	1.241	2.223	6.4	15.5
10 18	0 34.48	+17 51.3	1.254	2.229	7.2	15.6
10 28	0 29.35	+15 53.4	1.292	2.235	10.6	15.8
11 7	0 26.66	+14 2.2	1.354	2.242	14.5	16.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
441769	2009 DT_2		10	4.9	241.°02	0.°1/ 5.0 18
	h m	° ′			°	m
8 29	1 12.61	+ 5 13.0	2.017	2.841	14.0	21.2
9 8	1 7.15	+ 5 21.0	1.930	2.834	10.9	21.0
9 18	0 59.54	+ 5 20.2	1.865	2.828	7.2	20.7
9 28	0 50.33	+ 5 12.6	1.826	2.821	3.0	20.5
10 8	0 40.41	+ 5 1.3	1.816	2.814	1.3	20.3
10 18	0 30.74	+ 4 50.3	1.836	2.807	5.6	20.6
10 28	0 22.34	+ 4 43.7	1.883	2.800	9.5	20.8
11 7	0 15.92	+ 4 45.0	1.954	2.793	13.0	21.0
220577	2004 HS_{67}		10	4.9	238.°63	0.°8/ 4.2 17
8 29	1 8.86	+ 5 51.0	1.698	2.537	15.5	21.1
9 8	1 4.66	+ 5 12.5	1.614	2.529	12.0	20.9
9 18	0 58.09	+ 4 19.5	1.553	2.521	7.8	20.6
9 28	0 49.77	+ 3 16.2	1.516	2.512	3.1	20.3
10 8	0 40.66	+ 2 9.5	1.506	2.503	2.0	20.2
10 18	0 31.85	+ 1 6.9	1.524	2.494	6.8	20.5
10 28	0 24.44	+ 0 15.8	1.568	2.484	11.2	20.7
11 7	0 19.24	− 0 18.7	1.635	2.474	15.1	21.0
435658	2008 SG_{274}		10	4.9	329.°03	0.°5/ 3.9 15
8 29	0 59.11	+ 3 32.9	4.167	4.991	7.3	21.4
9 8	0 55.83	+ 3 12.0	4.081	4.988	5.6	21.3
9 18	0 51.68	+ 2 46.6	4.019	4.985	3.5	21.1
9 28	0 46.94	+ 2 18.6	3.986	4.982	1.4	21.0
10 8	0 41.96	+ 1 50.2	3.983	4.979	1.0	20.9
10 18	0 37.10	+ 1 23.6	4.011	4.977	3.1	21.1
10 28	0 32.73	+ 1 1.1	4.068	4.974	5.2	21.3
11 7	0 29.17	+ 0 44.6	4.151	4.971	7.0	21.4
326583	2002 QY_{94}		10	4.9	23.°22	0.°9/ 4.4 17
8 29	1 7.40	+ 4 9.0	0.944	1.828	21.4	19.8
9 8	1 4.57	+ 4 4.6	0.902	1.840	16.4	19.6
9 18	0 58.40	+ 3 44.4	0.876	1.854	10.6	19.3
9 28	0 49.90	+ 3 14.1	0.871	1.869	4.2	19.0
10 8	0 40.68	+ 2 42.1	0.888	1.886	2.5	19.0
10 18	0 32.38	+ 2 16.7	0.928	1.904	8.5	19.4
10 28	0 26.44	+ 2 5.3	0.988	1.924	14.0	19.8
11 7	0 23.63	+ 2 11.6	1.068	1.944	18.5	20.1
314611	2006 DH_{12}		10	4.9	175.°20	0.°9/ 3.6 18
8 29	1 4.21	+ 3 58.8	2.800	3.628	10.4	21.3
9 8	1 0.10	+ 3 17.5	2.720	3.629	7.9	21.1
9 18	0 54.62	+ 2 28.5	2.664	3.631	5.0	21.0
9 28	0 48.20	+ 1 35.0	2.636	3.632	2.0	20.7
10 8	0 41.40	+ 0 41.3	2.637	3.632	1.7	20.7
10 18	0 34.83	− 0 8.4	2.669	3.633	4.7	20.9
10 28	0 29.09	− 0 50.3	2.729	3.633	7.5	21.1
11 7	0 24.62	− 1 21.4	2.815	3.633	10.1	21.3
305843	2009 EB		10	4.9	164.°86	2.°0/ 2.4 18
8 29	1 5.38	+ 2 36.5	2.264	3.103	12.2	21.1
9 8	1 1.29	+ 1 25.2	2.190	3.107	9.2	20.9
9 18	0 55.52	+ 0 4.1	2.140	3.110	5.8	20.7
9 28	0 48.60	− 1 21.2	2.118	3.113	2.6	20.5
10 8	0 41.23	− 2 44.4	2.125	3.115	3.0	20.5
10 18	0 34.17	− 3 58.9	2.162	3.118	6.2	20.7
10 28	0 28.14	− 4 59.5	2.226	3.119	9.5	20.9
11 7	0 23.70	− 5 43.0	2.314	3.121	12.3	21.1
156952	2003 GQ_{50}		10	4.9	59.°47	0.°0/ 4.7 16
8 29	1 7.30	+ 9 17.0	1.451	2.293	17.6	19.6
9 8	1 3.42	+ 8 21.1	1.400	2.315	13.5	19.4
9 18	0 57.14	+ 7 6.6	1.371	2.338	8.7	19.2
9 28	0 49.29	+ 5 39.6	1.365	2.360	3.6	19.0
10 8	0 40.97	+ 4 8.9	1.385	2.383	1.6	18.9
10 18	0 33.32	+ 2 44.2	1.433	2.406	6.6	19.3
10 28	0 27.36	+ 1 33.8	1.506	2.429	11.0	19.6
11 7	0 23.71	+ 0 42.9	1.602	2.452	14.8	19.9
209335	2004 BF_{148}		10	4.9	346.°79	4.°1/ 1.9 18
8 29	1 3.94	− 2 1.9	1.290	2.171	17.0	19.2
9 8	1 1.46	− 2 41.9	1.221	2.159	13.0	19.0
9 18	0 56.28	− 3 30.5	1.172	2.149	8.5	18.7
9 28	0 49.08	− 4 20.1	1.146	2.140	4.6	18.4
10 8	0 41.01	− 5 1.9	1.144	2.132	5.3	18.5
10 18	0 33.35	− 5 27.9	1.166	2.126	9.6	18.7
10 28	0 27.38	− 5 32.7	1.210	2.121	14.2	19.0
11 7	0 23.96	− 5 14.4	1.274	2.118	18.2	19.2
267706	2003 AJ_{36}		10	4.9	257.°58	5.°2/ 9.6 18
8 29	1 8.21	+20 23.7	1.728	2.510	17.6	20.6
9 8	1 4.38	+20 29.6	1.635	2.500	14.7	20.4
9 18	0 58.05	+20 11.9	1.561	2.489	11.2	20.1
9 28	0 49.82	+19 29.1	1.509	2.478	7.6	19.9
10 8	0 40.66	+18 23.7	1.483	2.466	5.2	19.7
10 18	0 31.72	+17 1.6	1.483	2.455	6.6	19.8
10 28	0 24.21	+15 32.3	1.510	2.443	10.2	20.0
11 7	0 19.00	+14 5.8	1.561	2.431	13.9	20.2

258539 2002 CD_2 10 4.9 148.°81 5.°3/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.69	− 9 22.7	2.148	3.005	12.1	20.7
9 8	1 2.37	−10 25.2	2.085	3.006	9.4	20.5
9 18	0 56.26	−11 27.8	2.045	3.007	6.8	20.4
9 28	0 48.92	−12 24.0	2.033	3.008	5.4	20.3
10 8	0 41.11	−13 7.5	2.047	3.009	6.3	20.3
10 18	0 33.67	−13 33.9	2.089	3.009	8.7	20.5
10 28	0 27.37	−13 40.5	2.156	3.010	11.4	20.7
11 7	0 22.78	−13 27.4	2.244	3.011	13.9	20.8

116786 2004 EN_{34} 10 4.9 104.°25 0.°2/ 4.7 17

8 29	1 10.83	+ 7 23.4	1.709	2.541	15.8	20.8
9 8	1 5.82	+ 6 43.7	1.650	2.560	12.1	20.6
9 18	0 58.60	+ 5 49.6	1.613	2.578	7.8	20.4
9 28	0 49.89	+ 4 45.7	1.601	2.597	3.2	20.1
10 8	0 40.70	+ 3 38.9	1.617	2.614	1.6	20.0
10 18	0 32.09	+ 2 36.4	1.661	2.631	6.1	20.4
10 28	0 25.02	+ 1 44.7	1.731	2.648	10.3	20.7
11 7	0 20.12	+ 1 8.3	1.826	2.664	13.7	20.9

249519 Whitneyclavin 10 4.9 123.°72 2.°9/ 7.9 18

8 29	1 7.31	+16 6.2	2.011	2.804	15.1	20.8
9 8	1 3.06	+15 49.4	1.933	2.812	12.1	20.6
9 18	0 56.82	+15 14.0	1.876	2.819	8.7	20.4
9 28	0 49.18	+14 21.4	1.845	2.826	5.1	20.2
10 8	0 40.99	+13 15.8	1.840	2.833	2.9	20.1
10 18	0 33.17	+12 3.2	1.864	2.840	5.1	20.2
10 28	0 26.60	+10 50.9	1.916	2.846	8.6	20.5
11 7	0 21.92	+ 9 45.9	1.993	2.852	11.9	20.7

91680 1999 TX_{119} 10 4.9 326.°06 2.°2/ 7.0 18

8 29	1 3.87	+13 1.0	1.874	2.692	15.2	19.3
9 8	1 0.71	+12 50.0	1.783	2.680	12.1	19.0
9 18	0 55.48	+12 21.5	1.714	2.668	8.5	18.8
9 28	0 48.70	+11 37.1	1.668	2.656	4.6	18.5
10 8	0 41.18	+10 40.8	1.649	2.645	2.2	18.4
10 18	0 33.89	+ 9 38.6	1.657	2.635	5.4	18.5
10 28	0 27.78	+ 8 37.7	1.692	2.624	9.4	18.8
11 7	0 23.61	+ 7 45.0	1.751	2.615	13.0	19.0

112775 2002 PR_{158} 10 4.9 131.°57 0.°5/ 5.3 17

8 29	1 12.02	+ 8 38.9	1.727	2.552	16.0	21.2
9 8	1 6.83	+ 8 13.3	1.660	2.564	12.4	21.0
9 18	0 59.33	+ 7 32.6	1.614	2.576	8.2	20.8
9 28	0 50.23	+ 6 40.2	1.593	2.587	3.5	20.5
10 8	0 40.55	+ 5 42.0	1.600	2.598	1.4	20.4
10 18	0 31.38	+ 4 44.9	1.635	2.608	6.0	20.7
10 28	0 23.74	+ 3 55.6	1.697	2.617	10.2	21.0
11 7	0 18.34	+ 3 19.4	1.783	2.626	13.8	21.2

68911 2002 JS_{120} 10 4.9 89.°64 5.°2/28.6 18

8 29	1 5.20	− 9 11.5	2.260	3.117	11.5	19.4
9 8	1 1.09	−10 27.1	2.207	3.128	8.9	19.3
9 18	0 55.34	−11 42.6	2.179	3.140	6.4	19.2
9 28	0 48.52	−12 51.5	2.178	3.151	5.2	19.1
10 8	0 41.32	−13 47.5	2.204	3.162	6.2	19.2
10 18	0 34.51	−14 26.2	2.258	3.173	8.5	19.4
10 28	0 28.77	−14 45.1	2.337	3.184	10.9	19.5
11 7	0 24.63	−14 44.1	2.438	3.195	13.2	19.7

219959 2002 JC_{20} 10 4.9 25.°57 6.°6/27.9 18

8 29	1 5.59	−12 0.3	1.947	2.811	12.8	19.3
9 8	1 1.69	−13 12.3	1.894	2.816	10.1	19.2
9 18	0 55.87	−14 22.0	1.863	2.820	7.7	19.1
9 28	0 48.77	−15 21.9	1.859	2.826	6.6	19.0
10 8	0 41.22	−16 5.0	1.881	2.831	7.7	19.1
10 18	0 34.09	−16 27.0	1.928	2.837	10.0	19.2
10 28	0 28.22	−16 25.7	1.999	2.843	12.6	19.4
11 7	0 24.18	−16 2.3	2.091	2.849	15.0	19.6

381392 2008 GN_{42} 10 4.9 69.°33 2.°4/ 2.9 16

8 29	1 8.06	+ 2 57.9	1.436	2.295	16.8	21.2
9 8	1 4.15	+ 1 57.6	1.379	2.305	12.7	21.0
9 18	0 57.73	+ 0 44.2	1.342	2.316	8.1	20.7
9 28	0 49.60	− 0 35.1	1.330	2.326	3.5	20.5
10 8	0 40.86	− 1 51.1	1.344	2.337	3.6	20.5
10 18	0 32.71	− 2 54.9	1.384	2.348	8.1	20.8
10 28	0 26.25	− 3 39.9	1.449	2.359	12.4	21.1
11 7	0 22.19	− 4 2.8	1.535	2.369	16.1	21.4

446021 2013 CC_{57} 10 4.9 177.°39 4.°3/10.1 18

8 29	1 7.04	+21 22.7	2.380	3.135	14.1	21.7
9 8	1 2.68	+21 17.3	2.290	3.136	11.7	21.5
9 18	0 56.51	+20 53.1	2.221	3.137	9.0	21.3
9 28	0 49.07	+20 10.0	2.176	3.138	6.2	21.2
10 8	0 41.07	+19 10.5	2.159	3.138	4.3	21.0
10 18	0 33.34	+17 59.1	2.170	3.138	5.2	21.1
10 28	0 26.67	+16 42.3	2.210	3.138	7.7	21.3
11 7	0 21.69	+15 27.0	2.276	3.137	10.6	21.4

436157 2009 VX_{27} 10 4.9 320.°30 2.°5/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.49	+20 13.9	4.143	4.889	8.7	20.4
9 8	0 55.46	+19 57.3	4.042	4.884	7.1	20.3
9 18	0 51.50	+19 29.8	3.964	4.879	5.4	20.2
9 28	0 46.91	+18 52.1	3.912	4.874	3.7	20.0
10 8	0 42.05	+18 5.9	3.889	4.869	2.6	20.0
10 18	0 37.31	+17 13.5	3.895	4.864	3.1	20.0
10 28	0 33.08	+16 18.1	3.932	4.859	4.7	20.1
11 7	0 29.71	+15 23.0	3.997	4.854	6.5	20.2

156128 2001 TA_4 10 4.9 5.°73 1.°5/ 5.9 18

8 29	1 3.53	+ 9 35.1	1.083	1.951	20.5	19.6
9 8	1 1.55	+ 9 34.1	1.023	1.950	16.1	19.4
9 18	0 56.52	+ 9 11.4	0.981	1.951	10.9	19.1
9 28	0 49.24	+ 8 30.1	0.959	1.954	5.1	18.8
10 8	0 41.02	+ 7 37.3	0.960	1.958	2.0	18.6
10 18	0 33.39	+ 6 42.5	0.984	1.964	7.4	19.0
10 28	0 27.75	+ 5 55.7	1.030	1.971	12.8	19.3
11 7	0 25.00	+ 5 24.7	1.096	1.980	17.5	19.6

148234 2000 EW_5 10 4.9 242.°96 0.°3/ 4.4 18

8 29	1 1.50	+ 5 23.6	3.526	4.345	8.7	21.2
9 8	0 57.84	+ 4 55.0	3.431	4.335	6.6	21.1
9 18	0 53.09	+ 4 19.7	3.361	4.325	4.3	20.9
9 28	0 47.59	+ 3 40.0	3.320	4.315	1.7	20.7
10 8	0 41.76	+ 2 58.8	3.308	4.305	1.0	20.6
10 18	0 36.06	+ 2 18.9	3.327	4.295	3.6	20.8
10 28	0 30.95	+ 1 43.7	3.375	4.285	6.0	21.0
11 7	0 26.83	+ 1 15.5	3.450	4.274	8.2	21.1

515382 2013 EN_{155} 10 4.9 2.°84 0.°5/ 5.4 18

8 29	1 5.71	+ 8 29.1	1.803	2.637	15.0	21.1
9 8	1 2.06	+ 8 8.2	1.727	2.637	11.7	20.9
9 18	0 56.30	+ 7 32.8	1.672	2.637	7.7	20.7
9 28	0 49.03	+ 6 46.2	1.642	2.637	3.4	20.4
10 8	0 41.13	+ 5 53.4	1.639	2.638	1.3	20.3
10 18	0 33.58	+ 5 0.9	1.664	2.639	5.7	20.6
10 28	0 27.33	+ 4 15.1	1.715	2.640	9.8	20.8
11 7	0 23.05	+ 3 41.2	1.789	2.641	13.4	21.0

364033 2005 WJ_{33} 10 4.9 322.°27 4.°6/ 9.9 18

8 29	1 5.27	+20 36.4	2.105	2.877	15.2	20.8
9 8	1 1.61	+20 42.0	2.016	2.872	12.7	20.6
9 18	0 55.99	+20 27.8	1.946	2.868	9.7	20.4
9 28	0 48.91	+19 53.4	1.899	2.864	6.7	20.2
10 8	0 41.18	+19 1.1	1.879	2.860	4.7	20.1
10 18	0 33.70	+17 55.5	1.886	2.856	5.6	20.1
10 28	0 27.35	+16 43.5	1.921	2.853	8.5	20.3
11 7	0 22.84	+15 32.8	1.981	2.849	11.5	20.5

508791 2000 EH_{104} 10 4.9 176.°63 1.°1/ 3.3 18

8 29	1 8.01	+ 2 13.3	3.214	4.032	9.4	24.2
9 8	1 2.78	+ 1 37.9	3.131	4.036	7.1	24.0
9 18	0 56.28	+ 0 56.8	3.073	4.038	4.6	23.9
9 28	0 48.92	+ 0 12.9	3.045	4.040	1.9	23.7
10 8	0 41.21	− 0 30.4	3.048	4.041	1.8	23.7
10 18	0 33.71	− 1 9.5	3.082	4.041	4.4	23.9
10 28	0 26.98	− 1 41.3	3.146	4.040	7.0	24.0
11 7	0 21.45	− 2 3.7	3.236	4.038	9.2	24.2

482861 2014 DF_{107} 10 4.9 34.°85 1.°0/ 4.0 18

8 29	1 6.30	+ 5 11.5	1.447	2.303	16.9	20.5
9 8	1 2.78	+ 4 34.2	1.391	2.315	12.9	20.3
9 18	0 56.85	+ 3 42.8	1.355	2.327	8.2	20.1
9 28	0 49.25	+ 2 42.9	1.343	2.340	3.3	19.8
10 8	0 41.08	+ 1 42.1	1.357	2.354	2.3	19.8
10 18	0 33.48	+ 0 48.4	1.397	2.368	7.1	20.1
10 28	0 27.51	+ 0 8.4	1.461	2.382	11.5	20.4
11 7	0 23.86	− 0 13.8	1.548	2.397	15.2	20.7

88065 2000 VH_{47} 10 4.9 345.°75 5.°3/10.2 18

8 29	1 6.31	+20 42.2	1.944	2.718	16.2	18.8
9 8	1 2.60	+21 4.8	1.857	2.715	13.5	18.6
9 18	0 56.73	+21 7.4	1.790	2.712	10.4	18.4
9 28	0 49.25	+20 48.6	1.746	2.709	7.4	18.2
10 8	0 41.04	+20 10.3	1.728	2.706	5.4	18.1
10 18	0 33.08	+19 16.5	1.736	2.704	6.3	18.1
10 28	0 26.38	+18 14.4	1.771	2.702	9.1	18.3
11 7	0 21.69	+17 11.7	1.831	2.701	12.2	18.5

134390 1996 VP_{15} 10 4.9 329.°03 4.°7/ 2.0 18

8 29	1 11.34	− 3 53.4	1.252	2.125	17.9	19.7
9 8	1 7.28	− 4 23.2	1.185	2.118	13.8	19.4
9 18	1 0.16	− 4 58.6	1.136	2.110	9.2	19.1
9 28	0 50.76	− 5 32.0	1.111	2.103	5.2	18.9
10 8	0 40.38	− 5 54.9	1.110	2.097	5.8	18.9
10 18	0 30.50	− 6 0.4	1.133	2.091	10.2	19.1
10 28	0 22.57	− 5 44.6	1.179	2.085	14.9	19.4
11 7	0 17.53	− 5 6.8	1.244	2.081	19.0	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
193345 2000 UC_{17}			10 4.9	305.°96	4.°6/ 9.2	18
	h m	° ′			°	m
8 29	1 3.45	+19 46.3	1.567	2.369	18.4	20.5
9 8	1 1.12	+19 31.2	1.460	2.340	15.3	20.2
9 18	0 56.20	+18 47.7	1.372	2.310	11.6	19.9
9 28	0 49.20	+17 34.3	1.305	2.281	7.5	19.6
10 8	0 41.04	+15 54.2	1.263	2.252	4.7	19.4
10 18	0 32.95	+13 55.2	1.246	2.223	6.7	19.4
10 28	0 26.23	+11 49.6	1.256	2.195	11.2	19.6
11 7	0 21.91	+ 9 50.9	1.288	2.167	15.7	19.8
374913 2006 XT_{23}			10 4.9	245.°09	3.°0/ 7.8	18
8 29	1 7.93	+16 21.6	1.788	2.588	16.5	21.4
9 8	1 4.03	+15 56.6	1.693	2.575	13.4	21.2
9 18	0 57.78	+15 9.1	1.617	2.562	9.6	20.9
9 28	0 49.75	+13 59.9	1.566	2.549	5.6	20.7
10 8	0 40.86	+12 33.6	1.541	2.535	3.0	20.5
10 18	0 32.19	+10 57.8	1.544	2.521	5.8	20.6
10 28	0 24.85	+ 9 22.2	1.575	2.506	10.0	20.8
11 7	0 19.67	+ 7 56.1	1.630	2.491	14.0	21.0
277153 2005 ML_{26}			10 4.9	24.°32	5.°5/30.6	17
8 29	1 6.03	− 3 6.1	1.208	2.091	17.7	19.9
9 8	1 3.03	− 4 25.6	1.158	2.097	13.5	19.7
9 18	0 57.23	− 5 53.3	1.127	2.103	9.0	19.5
9 28	0 49.48	− 7 18.5	1.119	2.110	5.7	19.3
10 8	0 41.04	− 8 29.6	1.136	2.117	6.9	19.4
10 18	0 33.26	− 9 17.7	1.176	2.126	10.9	19.7
10 28	0 27.36	− 9 37.6	1.238	2.135	15.1	19.9
11 7	0 24.10	− 9 29.2	1.319	2.144	18.8	20.2
261332 2005 UP_{244}			10 4.9	120.°16	1.°9/ 7.2	18
8 29	1 7.61	+12 57.4	2.493	3.286	12.5	21.3
9 8	1 2.88	+12 50.4	2.416	3.298	9.9	21.2
9 18	0 56.53	+12 30.6	2.363	3.310	6.9	21.0
9 28	0 49.08	+11 59.5	2.336	3.321	3.8	20.8
10 8	0 41.21	+11 20.1	2.337	3.332	1.9	20.7
10 18	0 33.64	+10 36.5	2.368	3.343	4.2	20.9
10 28	0 27.09	+ 9 53.5	2.428	3.353	7.3	21.1
11 7	0 22.08	+ 9 15.6	2.515	3.364	10.1	21.3
364135 2006 BL_{280}			10 4.9	8.°18	1.°3/ 4.1	17
8 29	1 7.40	+ 4 37.8	1.015	1.894	20.7	20.7
9 8	1 4.69	+ 4 14.5	0.958	1.894	15.9	20.5
9 18	0 58.66	+ 3 33.5	0.918	1.895	10.3	20.2
9 28	0 50.18	+ 2 40.9	0.899	1.897	4.2	19.8
10 8	0 40.71	+ 1 46.2	0.903	1.900	2.8	19.8
10 18	0 31.92	+ 0 59.6	0.929	1.904	8.9	20.1
10 28	0 25.33	+ 0 30.0	0.977	1.909	14.5	20.5
11 7	0 21.89	+ 0 22.2	1.044	1.914	19.3	20.8
116029 2003 WO_{89}			10 4.9	243.°56	3.°3/ 2.6	18
8 29	1 12.70	− 1 16.2	1.504	2.360	16.4	20.4
9 8	1 7.85	− 1 46.6	1.431	2.355	12.5	20.2
9 18	1 0.31	− 2 24.5	1.379	2.351	8.2	19.9
9 28	0 50.80	− 3 4.0	1.352	2.346	4.1	19.7
10 8	0 40.44	− 3 37.8	1.351	2.341	4.3	19.7
10 18	0 30.53	− 3 59.5	1.376	2.336	8.6	19.9
10 28	0 22.30	− 4 4.2	1.426	2.331	13.0	20.2
11 7	0 16.61	− 3 50.1	1.498	2.325	16.8	20.4
437760 2014 HP_{149}			10 4.9	263.°11	0.°1/ 5.2	18
8 29	0 58.31	+ 7 24.2	4.440	5.250	7.2	21.6
9 8	0 55.23	+ 6 58.2	4.347	5.244	5.5	21.4
9 18	0 51.33	+ 6 26.3	4.279	5.239	3.6	21.3
9 28	0 46.88	+ 5 50.2	4.240	5.234	1.5	21.1
10 8	0 42.20	+ 5 12.0	4.230	5.228	0.6	21.0
10 18	0 37.62	+ 4 34.0	4.252	5.223	2.7	21.2
10 28	0 33.49	+ 3 58.8	4.303	5.217	4.7	21.4
11 7	0 30.11	+ 3 28.3	4.381	5.212	6.5	21.5
200459 2000 WY_{110}			10 4.9	259.°19	4.°6/ 9.2	18
8 29	1 9.10	+18 48.0	1.936	2.715	16.1	20.2
9 8	1 4.86	+19 2.3	1.837	2.702	13.3	20.0
9 18	0 58.31	+18 57.0	1.759	2.688	10.1	19.7
9 28	0 49.99	+18 31.2	1.704	2.674	6.7	19.5
10 8	0 40.78	+17 46.6	1.675	2.660	4.6	19.3
10 18	0 31.73	+16 47.7	1.674	2.645	6.1	19.4
10 28	0 23.93	+15 41.8	1.700	2.631	9.5	19.6
11 7	0 18.21	+14 37.1	1.751	2.616	13.0	19.8
235835 2004 XH_{184}			10 4.9	9.°11	2.°3/ 6.9	18
8 29	1 7.33	+12 41.0	1.597	2.421	17.1	20.1
9 8	1 3.63	+12 34.4	1.522	2.422	13.6	19.9
9 18	0 57.51	+12 8.7	1.466	2.422	9.4	19.7
9 28	0 49.62	+11 25.7	1.434	2.423	5.0	19.4
10 8	0 40.98	+10 30.0	1.428	2.424	2.4	19.3
10 18	0 32.73	+ 9 28.8	1.449	2.426	5.9	19.5
10 28	0 25.98	+ 8 30.2	1.495	2.428	10.3	19.8
11 7	0 21.51	+ 7 41.5	1.564	2.430	14.2	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
434543 2005 TM_{19}			10 4.9	238.°94	0.°9/ 5.7	18
	h m	° ′			°	m
8 29	1 9.97	+ 9 2.4	1.646	2.476	16.4	21.8
9 8	1 5.62	+ 8 51.2	1.566	2.473	12.8	21.6
9 18	0 58.81	+ 8 24.2	1.507	2.469	8.6	21.3
9 28	0 50.18	+ 7 44.0	1.472	2.465	3.9	21.1
10 8	0 40.74	+ 6 55.6	1.463	2.461	1.5	20.9
10 18	0 31.65	+ 6 5.6	1.482	2.457	6.1	21.2
10 28	0 24.04	+ 5 21.4	1.527	2.453	10.7	21.4
11 7	0 18.74	+ 4 48.7	1.595	2.449	14.6	21.7
487012 2014 OM_3			10 4.9	53.°19	4.°0/ 8.9	18
8 29	1 8.38	+17 24.8	1.963	2.750	15.7	20.8
9 8	1 3.92	+17 41.4	1.896	2.766	12.7	20.7
9 18	0 57.42	+17 39.9	1.848	2.782	9.4	20.5
9 28	0 49.51	+17 20.6	1.825	2.798	6.1	20.3
10 8	0 41.06	+16 46.1	1.829	2.815	4.0	20.2
10 18	0 33.04	+16 1.2	1.860	2.832	5.5	20.4
10 28	0 26.33	+15 12.1	1.918	2.849	8.5	20.6
11 7	0 21.59	+14 25.6	2.001	2.866	11.6	20.8
305821 2009 DZ_{124}			10 4.9	267.°73	0.°1/ 4.8	18
8 29	1 7.79	+ 6 23.0	1.919	2.752	14.3	21.0
9 8	1 3.57	+ 6 2.1	1.838	2.748	11.0	20.8
9 18	0 57.27	+ 5 29.2	1.779	2.744	7.2	20.6
9 28	0 49.49	+ 4 47.4	1.745	2.741	3.0	20.3
10 8	0 41.06	+ 4 1.7	1.739	2.737	1.4	20.2
10 18	0 32.93	+ 3 17.9	1.762	2.733	5.7	20.5
10 28	0 26.04	+ 2 41.6	1.811	2.730	9.7	20.7
11 7	0 21.08	+ 2 17.2	1.884	2.726	13.2	20.9
349978 2010 EP_{103}			10 4.9	13.°78	1.°0/ 5.7	18
8 29	1 7.49	+ 8 20.0	1.387	2.235	17.9	20.1
9 8	1 3.99	+ 8 18.8	1.322	2.238	14.0	19.9
9 18	0 57.84	+ 8 1.3	1.275	2.242	9.3	19.6
9 28	0 49.78	+ 7 30.3	1.252	2.246	4.2	19.3
10 8	0 40.94	+ 6 51.3	1.254	2.252	1.6	19.2
10 18	0 32.61	+ 6 11.3	1.281	2.258	6.6	19.5
10 28	0 25.97	+ 5 37.7	1.332	2.264	11.4	19.8
11 7	0 21.86	+ 5 16.4	1.406	2.272	15.5	20.1
453443 2009 QN_{58}			10 4.9	2.°84	1.°2/ 3.8	16
8 29	1 3.69	+ 4 7.8	1.697	2.551	14.9	21.2
9 8	1 0.61	+ 3 35.3	1.627	2.550	11.4	21.0
9 18	0 55.42	+ 2 51.0	1.579	2.550	7.3	20.8
9 28	0 48.72	+ 1 59.7	1.555	2.551	3.0	20.5
10 8	0 41.41	+ 1 7.6	1.557	2.553	2.3	20.5
10 18	0 34.48	+ 0 21.4	1.586	2.555	6.5	20.7
10 28	0 28.86	− 0 13.0	1.641	2.559	10.6	21.0
11 7	0 25.24	− 0 31.7	1.718	2.563	14.2	21.2
127488 2002 TE_{11}			10 4.9	81.°69	0.°4/ 5.3	18
8 29	1 9.83	+ 9 7.4	1.454	2.293	17.7	20.3
9 8	1 5.51	+ 8 32.1	1.396	2.307	13.7	20.1
9 18	0 58.66	+ 7 38.5	1.357	2.322	9.0	19.9
9 28	0 50.05	+ 6 31.4	1.342	2.337	3.9	19.6
10 8	0 40.85	+ 5 18.4	1.354	2.352	1.5	19.5
10 18	0 32.28	+ 4 8.0	1.392	2.366	6.6	19.9
10 28	0 25.43	+ 3 8.7	1.456	2.381	11.2	20.2
11 7	0 21.04	+ 2 26.1	1.542	2.395	15.1	20.5
53275 1999 FN_{31}			10 4.9	50.°54	1.°9/ 3.3	18
8 29	1 8.75	+ 0 58.1	1.898	2.743	13.9	18.2
9 8	1 4.19	+ 0 34.5	1.829	2.748	10.6	18.0
9 18	0 57.60	+ 0 3.6	1.783	2.753	6.8	17.8
9 28	0 49.59	− 0 30.3	1.762	2.758	3.0	17.5
10 8	0 41.04	− 1 2.0	1.770	2.763	2.8	17.5
10 18	0 32.90	− 1 26.4	1.805	2.768	6.5	17.8
10 28	0 26.05	− 1 39.6	1.866	2.774	10.2	18.0
11 7	0 21.16	− 1 39.0	1.951	2.779	13.4	18.2
204446 2004 XP_{119}			10 4.9	331.°90	2.°1/ 6.6	18
8 29	1 5.82	+11 13.0	1.435	2.274	17.9	20.1
9 8	1 2.88	+11 15.4	1.352	2.262	14.2	19.8
9 18	0 57.27	+10 59.0	1.289	2.250	9.9	19.6
9 28	0 49.62	+10 24.9	1.248	2.239	5.1	19.3
10 8	0 40.99	+ 9 37.8	1.232	2.229	2.3	19.1
10 18	0 32.63	+ 8 44.8	1.242	2.220	6.5	19.3
10 28	0 25.85	+ 7 54.4	1.275	2.211	11.4	19.6
11 7	0 21.56	+ 7 14.5	1.331	2.204	15.8	19.8
223302 2003 NH_3			10 4.9	27.°46	12.°5/23.2	18
8 29	1 5.07	+42 40.1	1.775	2.410	21.9	18.0
9 8	1 2.29	+43 29.7	1.714	2.428	20.0	17.9
9 18	0 56.78	+43 44.5	1.664	2.448	17.9	17.8
9 28	0 49.34	+43 19.6	1.630	2.468	15.7	17.7
10 8	0 41.16	+42 13.7	1.614	2.489	13.8	17.6
10 18	0 33.58	+40 30.7	1.620	2.511	12.6	17.6
10 28	0 27.81	+38 19.5	1.648	2.534	12.6	17.7
11 7	0 24.61	+35 53.2	1.700	2.558	13.7	17.8

376642 2013 PL_{71} 10 4.9 12.°10 7.°2/29.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 1.77	− 4 17.8	0.925	1.830	19.8	20.1
9 8	1 0.42	− 5 50.6	0.883	1.833	15.1	19.9
9 18	0 55.84	− 7 31.7	0.859	1.838	10.3	19.7
9 28	0 48.99	− 9 6.6	0.855	1.845	7.3	19.5
10 8	0 41.35	−10 20.8	0.873	1.853	8.8	19.6
10 18	0 34.48	−11 3.7	0.911	1.862	13.1	19.9
10 28	0 29.78	−11 10.9	0.969	1.873	17.6	20.2
11 7	0 28.03	−10 44.0	1.044	1.886	21.5	20.5

89919 2002 EF_{35} 10 4.9 308.°62 3.°4/ 1.2 18

8 29	1 3.57	− 1 4.5	1.998	2.855	12.9	19.4
9 8	1 0.26	− 2 15.7	1.920	2.846	9.7	19.2
9 18	0 55.09	− 3 35.4	1.866	2.838	6.3	19.0
9 28	0 48.58	− 4 57.0	1.838	2.830	3.6	18.8
10 8	0 41.49	− 6 13.2	1.839	2.822	4.4	18.9
10 18	0 34.68	− 7 17.1	1.866	2.815	7.6	19.0
10 28	0 28.96	− 8 3.3	1.920	2.807	11.1	19.2
11 7	0 24.99	− 8 29.2	1.996	2.800	14.1	19.4

217830 2001 HK_{47} 10 4.9 135.°50 2.°4/ 7.1 17

8 29	1 13.23	+13 19.2	1.876	2.675	15.8	21.1
9 8	1 7.68	+13 14.8	1.804	2.689	12.6	20.9
9 18	0 59.91	+12 53.5	1.753	2.702	8.8	20.7
9 28	0 50.57	+12 16.7	1.728	2.714	4.8	20.5
10 8	0 40.64	+11 28.5	1.730	2.725	2.4	20.3
10 18	0 31.18	+10 34.6	1.761	2.736	5.4	20.6
10 28	0 23.17	+ 9 41.9	1.820	2.746	9.2	20.8
11 7	0 17.33	+ 8 56.7	1.904	2.755	12.7	21.1

378243 2007 CU_{22} 10 4.9 253.°30 1.°6/ 6.3 18

8 29	1 9.62	+11 4.9	1.716	2.537	16.2	21.6
9 8	1 5.39	+10 54.3	1.626	2.526	12.8	21.3
9 18	0 58.71	+10 26.4	1.557	2.515	8.8	21.1
9 28	0 50.19	+ 9 43.1	1.512	2.503	4.4	20.8
10 8	0 40.77	+ 8 48.7	1.494	2.491	1.8	20.6
10 18	0 31.59	+ 7 49.8	1.503	2.479	6.0	20.8
10 28	0 23.79	+ 6 54.2	1.539	2.466	10.5	21.1
11 7	0 18.24	+ 6 8.9	1.598	2.454	14.5	21.3

283093 2008 US_{80} 10 4.9 138.°19 4.°4/10.2 18

8 29	1 9.64	+21 44.3	2.268	3.019	14.8	21.2
9 8	1 4.70	+21 38.8	2.188	3.031	12.3	21.0
9 18	0 57.85	+21 13.5	2.129	3.044	9.4	20.9
9 28	0 49.69	+20 28.4	2.094	3.055	6.4	20.7
10 8	0 41.03	+19 26.4	2.087	3.066	4.5	20.6
10 18	0 32.74	+18 12.4	2.109	3.077	5.3	20.7
10 28	0 25.64	+16 53.4	2.160	3.087	7.9	20.9
11 7	0 20.36	+15 36.6	2.237	3.096	10.8	21.1

308019 2004 RA_{221} 10 4.9 350.°38 12.°6/15.3 18

8 29	1 4.58	+30 19.4	1.291	2.052	23.5	18.4
9 8	1 2.73	+31 54.8	1.215	2.042	21.0	18.2
9 18	0 57.65	+32 59.8	1.153	2.034	18.2	18.0
9 28	0 49.95	+33 26.1	1.109	2.028	15.3	17.8
10 8	0 40.85	+33 9.9	1.083	2.023	13.2	17.7
10 18	0 32.00	+32 12.6	1.078	2.019	12.7	17.6
10 28	0 25.09	+30 43.9	1.094	2.017	14.2	17.7
11 7	0 21.36	+28 58.4	1.130	2.016	16.9	17.9

245214 2004 WZ_{8} 10 4.9 289.°40 1.°8/ 6.4 18

8 29	1 8.71	+10 43.0	1.729	2.552	16.0	20.1
9 8	1 4.81	+10 41.6	1.629	2.530	12.8	19.8
9 18	0 58.45	+10 24.0	1.549	2.507	8.8	19.5
9 28	0 50.14	+ 9 51.3	1.493	2.484	4.5	19.2
10 8	0 40.78	+ 9 7.2	1.463	2.460	1.9	19.0
10 18	0 31.52	+ 8 17.5	1.461	2.437	6.1	19.2
10 28	0 23.55	+ 7 29.7	1.485	2.414	10.7	19.4
11 7	0 17.81	+ 6 50.7	1.532	2.391	14.8	19.6

103530 2000 BS_{11} 10 4.9 156.°53 2.°2/ 6.9 17

8 29	1 10.76	+12 49.6	1.732	2.543	16.5	20.7
9 8	1 6.07	+12 40.3	1.655	2.547	13.1	20.5
9 18	0 59.02	+12 13.0	1.599	2.551	9.1	20.3
9 28	0 50.26	+11 29.2	1.567	2.555	4.8	20.0
10 8	0 40.79	+10 33.5	1.562	2.558	2.3	19.9
10 18	0 31.72	+ 9 32.5	1.584	2.560	5.7	20.1
10 28	0 24.13	+ 8 33.8	1.634	2.563	9.9	20.4
11 7	0 18.77	+ 7 44.4	1.708	2.565	13.7	20.6

392219 2009 UV_{79} 10 4.9 302.°89 0.°0/ 4.8 18

8 29	1 0.21	+ 5 42.4	4.170	4.984	7.5	21.1
9 8	0 56.73	+ 5 30.0	4.078	4.978	5.7	21.0
9 18	0 52.35	+ 5 12.5	4.010	4.972	3.7	20.8
9 28	0 47.35	+ 4 51.3	3.971	4.966	1.6	20.7
10 8	0 42.09	+ 4 28.6	3.962	4.960	0.7	20.6
10 18	0 36.94	+ 4 6.3	3.984	4.954	2.9	20.8
10 28	0 32.29	+ 3 46.9	4.035	4.948	5.0	20.9
11 7	0 28.45	+ 3 32.1	4.113	4.942	6.9	21.1

472053 2013 YJ_{52} 10 4.9 313.°21 4.°3/ 8.2 18

	h m	° ′			°	m
8 29	1 8.59	+15 56.1	1.468	2.283	18.7	21.6
9 8	1 5.03	+16 13.5	1.385	2.275	15.3	21.3
9 18	0 58.71	+16 9.1	1.321	2.267	11.2	21.1
9 28	0 50.26	+15 42.2	1.279	2.260	6.9	20.8
10 8	0 40.78	+14 55.5	1.262	2.253	4.3	20.7
10 18	0 31.59	+13 55.6	1.270	2.246	6.7	20.8
10 28	0 24.04	+12 51.6	1.303	2.239	11.1	21.0
11 7	0 19.09	+11 53.3	1.358	2.233	15.3	21.3

485744 2012 BW_{95} 10 4.9 200.°56 4.°0/30.1 18

8 29	1 5.00	− 4 58.3	2.301	3.154	11.5	21.9
9 8	1 1.05	− 6 6.1	2.230	3.153	8.8	21.7
9 18	0 55.45	− 7 17.7	2.184	3.151	5.9	21.6
9 28	0 48.71	− 8 27.1	2.165	3.150	4.1	21.4
10 8	0 41.50	− 9 28.3	2.175	3.148	4.9	21.5
10 18	0 34.58	−10 15.9	2.212	3.147	7.5	21.7
10 28	0 28.67	−10 46.3	2.276	3.145	10.3	21.8
11 7	0 24.31	−10 58.2	2.363	3.143	12.9	22.0

381115 2007 DJ_{28} 10 4.9 229.°06 1.°1/ 3.9 18

8 29	1 10.43	+ 4 17.5	1.907	2.741	14.3	22.1
9 8	1 5.68	+ 3 45.8	1.819	2.731	11.0	21.9
9 18	0 58.74	+ 3 2.6	1.753	2.721	7.1	21.6
9 28	0 50.17	+ 2 12.0	1.714	2.710	2.9	21.3
10 8	0 40.84	+ 1 19.5	1.703	2.699	2.1	21.3
10 18	0 31.77	+ 0 31.5	1.720	2.687	6.4	21.5
10 28	0 23.96	− 0 6.2	1.764	2.674	10.5	21.7
11 7	0 18.18	− 0 29.4	1.832	2.662	14.1	21.9

131011 2000 XA_{10} 10 4.9 193.°36 6.°8/28.8 18

8 29	1 12.11	−13 3.9	1.949	2.801	13.3	19.6
9 8	1 6.75	−14 0.1	1.886	2.800	10.6	19.4
9 18	0 59.27	−14 53.0	1.846	2.799	8.0	19.2
9 28	0 50.32	−15 35.4	1.832	2.798	6.8	19.2
10 8	0 40.83	−16 0.6	1.845	2.796	7.7	19.2
10 18	0 31.78	−16 4.6	1.884	2.794	10.2	19.4
10 28	0 24.11	−15 45.9	1.948	2.791	12.9	19.5
11 7	0 18.49	−15 5.8	2.033	2.789	15.5	19.7

53026 1998 WV_{3} 10 4.9 19.°77 3.°8/ 7.4 18

8 29	1 7.03	+12 50.3	0.930	1.794	23.4	17.3
9 8	1 4.69	+13 16.5	0.879	1.800	18.7	17.1
9 18	0 58.81	+13 16.0	0.844	1.808	13.2	16.8
9 28	0 50.33	+12 49.6	0.827	1.817	7.3	16.5
10 8	0 40.82	+12 3.1	0.831	1.827	3.9	16.4
10 18	0 32.11	+11 6.4	0.858	1.839	7.9	16.6
10 28	0 25.80	+10 11.8	0.905	1.852	13.4	17.0
11 7	0 22.85	+ 9 29.6	0.972	1.866	18.3	17.3

388613 2007 RX_{314} 10 4.9 188.°66 3.°2/ 7.5 18

8 29	1 13.66	+13 14.9	1.936	2.733	15.5	20.8
9 8	1 8.18	+13 47.3	1.852	2.733	12.5	20.6
9 18	1 0.38	+14 5.6	1.789	2.732	9.0	20.3
9 28	0 50.87	+14 9.5	1.750	2.732	5.3	20.1
10 8	0 40.56	+14 0.6	1.740	2.731	3.2	20.0
10 18	0 30.55	+13 42.2	1.757	2.730	5.6	20.2
10 28	0 21.88	+13 19.9	1.803	2.729	9.3	20.4
11 7	0 15.36	+12 59.2	1.873	2.728	12.7	20.6

224928 2007 DK_{42} 10 4.9 311.°03 2.°1/ 6.3 18

8 29	1 9.84	+ 9 28.9	1.369	2.210	18.5	20.2
9 8	1 6.28	+ 9 49.8	1.280	2.191	14.7	19.9
9 18	0 59.74	+ 9 54.7	1.210	2.172	10.2	19.6
9 28	0 50.79	+ 9 44.2	1.162	2.154	5.2	19.2
10 8	0 40.55	+ 9 21.6	1.138	2.135	2.3	19.0
10 18	0 30.46	+ 8 52.4	1.140	2.118	7.1	19.2
10 28	0 22.03	+ 8 24.6	1.166	2.101	12.3	19.5
11 7	0 16.38	+ 8 5.4	1.213	2.085	17.1	19.7

429450 2010 VK_{131} 10 4.9 5.°67 6.°8/30.6 18

8 29	1 2.21	− 4 33.9	0.864	1.773	20.5	19.6
9 8	1 1.01	− 5 38.4	0.819	1.772	15.7	19.4
9 18	0 56.38	− 6 50.0	0.792	1.772	10.7	19.1
9 28	0 49.29	− 7 56.2	0.784	1.775	7.0	18.9
10 8	0 41.29	− 8 43.6	0.796	1.780	8.3	19.0
10 18	0 34.08	− 9 2.6	0.829	1.787	12.9	19.3
10 28	0 29.16	− 8 49.1	0.880	1.796	17.7	19.6
11 7	0 27.39	− 8 4.9	0.948	1.806	21.8	19.9

304093 2006 HM_{29} 10 4.9 40.°14 1.°8/ 3.4 16

8 29	1 9.51	+ 6 39.3	1.181	2.041	19.6	19.7
9 8	1 5.13	+ 5 6.6	1.161	2.088	14.6	19.5
9 18	0 58.17	+ 3 18.6	1.161	2.135	9.1	19.4
9 28	0 49.75	+ 1 25.9	1.185	2.182	3.6	19.2
10 8	0 41.18	− 0 19.3	1.235	2.230	3.2	19.3
10 18	0 33.69	− 1 47.0	1.310	2.277	7.9	19.7
10 28	0 28.23	− 2 50.6	1.410	2.325	12.3	20.1
11 7	0 25.29	− 3 28.2	1.531	2.372	15.8	20.5

468969 2015 AV_{54} 10 4.9 183.°34 5.°9/30.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.29	− 6 12.0	1.543	2.406	15.6	21.4
9 8	1 6.64	− 7 26.7	1.480	2.407	12.0	21.2
9 18	0 59.45	− 8 45.8	1.439	2.407	8.3	21.0
9 28	0 50.47	− 9 59.9	1.423	2.407	5.9	20.8
10 8	0 40.78	−10 59.9	1.433	2.406	7.1	20.9
10 18	0 31.60	−11 38.4	1.470	2.405	10.5	21.1
10 28	0 24.06	−11 51.4	1.529	2.404	14.1	21.3
11 7	0 18.94	−11 39.0	1.609	2.402	17.4	21.6

117033 2004 JP_{21} 10 4.9 267.°40 1.°8/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.41	+12 33.7	1.599	2.423	17.1	20.2
9 8	1 3.80	+12 8.8	1.515	2.416	13.5	20.0
9 18	0 57.73	+11 23.1	1.452	2.410	9.3	19.7
9 28	0 49.81	+10 19.0	1.412	2.403	4.7	19.5
10 8	0 41.04	+ 9 2.1	1.398	2.396	1.9	19.3
10 18	0 32.59	+ 7 40.6	1.412	2.389	6.1	19.5
10 28	0 25.62	+ 6 24.2	1.451	2.382	10.7	19.8
11 7	0 20.95	+ 5 20.7	1.513	2.375	14.9	20.0

55257 2001 RQ_{120} 10 4.9 226.°78 1.°4/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.86	+ 3 41.1	1.844	2.682	14.5	19.8
9 8	1 5.30	+ 3 3.6	1.760	2.675	11.1	19.6
9 18	0 58.51	+ 2 14.7	1.698	2.667	7.2	19.3
9 28	0 50.09	+ 1 18.7	1.662	2.658	3.0	19.0
10 8	0 40.93	+ 0 21.9	1.654	2.649	2.4	19.0
10 18	0 32.05	− 0 29.2	1.674	2.639	6.7	19.2
10 28	0 24.48	− 1 8.3	1.720	2.629	10.8	19.5
11 7	0 18.97	− 1 31.6	1.790	2.619	14.4	19.7

59150 1998 XV_{90} 10 4.9 332.°75 0.°9/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.64	+10 9.6	2.053	2.877	13.8	18.8
9 8	1 0.34	+ 9 45.3	1.967	2.870	10.8	18.6
9 18	0 55.18	+ 9 6.6	1.903	2.863	7.3	18.4
9 28	0 48.66	+ 8 15.8	1.863	2.856	3.4	18.2
10 8	0 41.55	+ 7 17.7	1.852	2.850	1.3	18.0
10 18	0 34.68	+ 6 17.9	1.868	2.844	5.0	18.2
10 28	0 28.90	+ 5 22.9	1.912	2.838	8.8	18.5
11 7	0 24.83	+ 4 38.0	1.980	2.833	12.2	18.7

261689 2005 YH_{209} 10 4.9 338.°98 0.°6/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.32	+ 2 33.6	1.489	2.346	16.4	19.6
9 8	1 4.74	+ 2 51.2	1.403	2.327	12.8	19.3
9 18	0 58.50	+ 3 0.9	1.338	2.309	8.4	19.0
9 28	0 50.19	+ 3 5.2	1.296	2.293	3.5	18.7
10 8	0 40.86	+ 3 8.3	1.280	2.277	1.9	18.6
10 18	0 31.74	+ 3 14.4	1.289	2.263	7.1	18.8
10 28	0 24.14	+ 3 28.0	1.323	2.250	11.9	19.1
11 7	0 19.00	+ 3 52.5	1.378	2.238	16.1	19.3

148069 1998 VP_{43} 10 4.9 119.°82 3.°0/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.96	− 0 49.2	1.631	2.483	15.5	20.3
9 8	1 6.94	− 1 26.6	1.568	2.490	11.8	20.1
9 18	0 59.54	− 2 11.3	1.526	2.497	7.6	19.9
9 28	0 50.47	− 2 57.3	1.510	2.504	3.7	19.6
10 8	0 40.80	− 3 37.8	1.521	2.510	4.0	19.7
10 18	0 31.65	− 4 6.7	1.558	2.517	7.9	19.9
10 28	0 24.08	− 4 19.5	1.622	2.523	11.9	20.2
11 7	0 18.82	− 4 14.5	1.707	2.529	15.3	20.4

99025 2001 DG_{92} 10 4.9 163.°14 0.°4/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.85	+ 7 51.5	2.265	3.080	13.0	20.4
9 8	1 4.79	+ 7 33.9	2.186	3.085	10.1	20.2
9 18	0 57.91	+ 7 5.1	2.129	3.089	6.6	20.0
9 28	0 49.77	+ 6 27.8	2.100	3.093	2.9	19.8
10 8	0 41.11	+ 5 45.9	2.099	3.097	1.1	19.6
10 18	0 32.77	+ 5 4.1	2.128	3.100	4.9	19.9
10 28	0 25.53	+ 4 27.4	2.185	3.102	8.4	20.1
11 7	0 20.01	+ 3 59.7	2.268	3.104	11.5	20.3

24477 2000 WH_{87} 10 4.9 45.°11 6.°6/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.65	−12 38.6	1.956	2.816	12.9	17.7
9 8	1 3.27	−13 41.4	1.905	2.824	10.2	17.5
9 18	0 56.95	−14 41.0	1.877	2.832	7.8	17.4
9 28	0 49.35	−15 30.1	1.874	2.840	6.6	17.3
10 8	0 41.33	−16 2.3	1.898	2.849	7.6	17.4
10 18	0 33.77	−16 13.8	1.948	2.857	9.9	17.6
10 28	0 27.51	−16 3.0	2.022	2.866	12.5	17.8
11 7	0 23.13	−15 31.2	2.117	2.876	14.8	18.0

251357 2007 TW_{168} 10 4.9 345.°64 4.°0/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.49	+12 45.2	1.026	1.885	22.0	20.2
9 8	1 3.55	+13 15.8	0.957	1.876	17.8	19.9
9 18	0 58.22	+13 22.7	0.905	1.867	12.7	19.6
9 28	0 50.21	+13 5.0	0.871	1.860	7.3	19.3
10 8	0 40.88	+12 26.5	0.859	1.854	4.0	19.1
10 18	0 31.97	+11 35.5	0.869	1.849	7.9	19.3
10 28	0 25.19	+10 43.3	0.900	1.846	13.5	19.6
11 7	0 21.69	+10 0.9	0.950	1.844	18.6	19.9

167334 2003 UF_{281} 10 4.9 45.°09 4.°1/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.28	− 4 10.4	1.564	2.425	15.6	19.4
9 8	1 6.45	− 4 40.2	1.508	2.435	11.9	19.2
9 18	0 59.21	− 5 13.5	1.474	2.445	7.8	19.0
9 28	0 50.33	− 5 44.0	1.465	2.456	4.5	18.9
10 8	0 40.91	− 6 5.2	1.482	2.467	5.0	18.9
10 18	0 32.09	− 6 12.2	1.525	2.478	8.6	19.2
10 28	0 24.92	− 6 2.2	1.593	2.490	12.3	19.4
11 7	0 20.09	− 5 34.6	1.682	2.501	15.6	19.7

173519 2000 VW_{8} 10 4.9 39.°57 1.°4/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.33	+ 5 15.5	1.030	1.904	20.8	19.4
9 8	1 5.09	+ 4 34.8	0.987	1.921	15.8	19.2
9 18	0 58.70	+ 3 36.1	0.962	1.938	10.1	18.9
9 28	0 50.18	+ 2 27.1	0.958	1.956	4.0	18.6
10 8	0 41.00	+ 1 18.5	0.978	1.975	2.9	18.6
10 18	0 32.73	+ 0 20.7	1.021	1.994	8.6	19.0
10 28	0 26.67	− 0 18.0	1.087	2.015	13.8	19.4
11 7	0 23.58	− 0 33.8	1.172	2.035	18.1	19.7

294397 2007 VG_{168} 10 4.9 320.°20 0.°7/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.31	+ 5 8.1	1.197	2.062	19.1	21.0
9 8	1 5.26	+ 4 53.8	1.121	2.049	14.9	20.7
9 18	0 59.11	+ 4 23.3	1.064	2.037	9.8	20.4
9 28	0 50.52	+ 3 40.6	1.028	2.025	4.0	20.1
10 8	0 40.76	+ 2 53.3	1.017	2.014	2.3	19.9
10 18	0 31.35	+ 2 10.0	1.029	2.004	8.2	20.2
10 28	0 23.83	+ 1 39.6	1.064	1.994	13.8	20.5
11 7	0 19.26	+ 1 27.8	1.119	1.985	18.6	20.8

397273 2006 RA_{71} 10 4.9 28.°84 0.°0/ 4.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.58	+ 7 37.0	1.698	2.538	15.5	21.6
9 8	1 2.07	+ 7 2.2	1.629	2.543	11.9	21.4
9 18	0 56.39	+ 6 12.4	1.581	2.549	7.8	21.2
9 28	0 49.19	+ 5 11.9	1.558	2.554	3.2	20.9
10 8	0 41.39	+ 4 7.1	1.562	2.560	1.5	20.8
10 18	0 34.01	+ 3 5.1	1.593	2.566	6.1	21.1
10 28	0 28.00	+ 2 13.1	1.650	2.573	10.3	21.4
11 7	0 24.04	+ 1 35.9	1.730	2.580	13.9	21.6

133431 2003 SF_{201} 10 4.9 154.°53 0.°9/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.16	+ 9 29.3	2.241	3.050	13.3	20.6
9 8	1 5.04	+ 9 12.5	2.163	3.057	10.4	20.5
9 18	0 58.08	+ 8 43.5	2.108	3.064	6.9	20.3
9 28	0 49.85	+ 8 4.4	2.079	3.071	3.2	20.0
10 8	0 41.12	+ 7 19.4	2.079	3.077	1.2	19.9
10 18	0 32.71	+ 6 33.1	2.109	3.082	4.8	20.2
10 28	0 25.45	+ 5 50.9	2.167	3.087	8.3	20.4
11 7	0 19.93	+ 5 17.2	2.251	3.091	11.4	20.6

2906 Caltech 10 4.9 339.°14 14.°4/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.12	−41 0.0	2.101	2.878	15.1	14.8
9 8	1 7.80	−42 29.3	2.076	2.873	14.5	14.8
9 18	1 0.04	−43 35.1	2.069	2.868	14.4	14.8
9 28	0 50.66	−44 9.2	2.082	2.864	14.8	14.8
10 8	0 40.81	−44 7.0	2.114	2.860	15.5	14.9
10 18	0 31.68	−43 27.6	2.163	2.856	16.6	14.9
10 28	0 24.30	−42 13.8	2.228	2.852	17.6	15.0
11 7	0 19.31	−40 31.2	2.306	2.849	18.6	15.1

326835 2003 UN_{64} 10 4.9 346.°54 9.°4/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 17.45	−23 11.4	1.974	2.805	14.0	19.6
9 8	1 10.82	−23 39.6	1.913	2.800	11.9	19.5
9 18	1 1.89	−23 55.2	1.875	2.796	10.1	19.3
9 28	0 51.43	−23 50.7	1.861	2.791	9.4	19.3
10 8	0 40.48	−23 21.2	1.874	2.788	10.1	19.3
10 18	0 30.14	−22 25.2	1.912	2.784	12.0	19.5
10 28	0 21.43	−21 4.3	1.974	2.782	14.2	19.6
11 7	0 14.99	−19 23.1	2.057	2.779	16.3	19.8

305811 2009 DH_{105} 10 4.9 191.°23 0.°7/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.48	+ 9 7.8	2.281	3.093	13.0	21.8
9 8	1 3.81	+ 8 50.4	2.196	3.092	10.1	21.6
9 18	0 57.33	+ 8 21.0	2.133	3.091	6.8	21.4
9 28	0 49.57	+ 7 41.8	2.097	3.089	3.1	21.2
10 8	0 41.25	+ 6 56.7	2.089	3.087	1.1	21.0
10 18	0 33.19	+ 6 10.5	2.111	3.084	4.8	21.3
10 28	0 26.20	+ 5 28.3	2.161	3.081	8.3	21.5
11 7	0 20.88	+ 4 54.6	2.236	3.078	11.5	21.7

227320 2005 TD_{97} 10 4.9 250.°47 0.°8/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.51	+ 9 24.6	1.820	2.643	15.3	21.6
9 8	1 5.20	+ 9 5.4	1.727	2.630	12.1	21.3
9 18	0 58.57	+ 8 30.6	1.656	2.616	8.1	21.1
9 28	0 50.20	+ 7 42.5	1.609	2.602	3.7	20.8
10 8	0 40.97	+ 6 46.0	1.590	2.588	1.4	20.6
10 18	0 31.95	+ 5 47.4	1.599	2.574	5.9	20.8
10 28	0 24.22	+ 4 54.2	1.635	2.559	10.3	21.1
11 7	0 18.60	+ 4 12.4	1.695	2.543	14.1	21.3

99567 2002 FW_{12} 10 4.9 185.°05 0.°8/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.13	+ 4 56.2	1.949	2.783	14.1	20.8
9 8	1 4.56	+ 4 23.6	1.871	2.783	10.8	20.6
9 18	0 57.94	+ 3 39.7	1.815	2.782	7.0	20.3
9 28	0 49.86	+ 2 48.5	1.786	2.782	2.8	20.1
10 8	0 41.17	+ 1 55.5	1.785	2.781	1.9	20.0
10 18	0 32.81	+ 1 6.7	1.812	2.780	6.0	20.3
10 28	0 25.71	+ 0 27.8	1.866	2.778	9.9	20.5
11 7	0 20.53	+ 0 2.5	1.944	2.777	13.3	20.7

353753 2012 BU_{57} 10 4.9 315.°91 0.°9/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 58.98	+ 1 35.5	4.235	5.064	7.1	20.9
9 8	0 55.80	+ 1 7.4	4.151	5.062	5.4	20.8
9 18	0 51.78	+ 0 35.5	4.092	5.060	3.4	20.6
9 28	0 47.17	+ 0 1.8	4.062	5.058	1.5	20.5
10 8	0 42.34	− 0 31.2	4.063	5.056	1.4	20.5
10 18	0 37.62	− 1 1.2	4.093	5.053	3.3	20.6
10 28	0 33.39	− 1 26.1	4.152	5.051	5.3	20.7
11 7	0 29.94	− 1 44.1	4.238	5.049	7.1	20.9

312639 2010 BX_{15} 10 4.9 335.°21 4.°4/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	0 59.40	−15 24.1	3.851	4.699	7.4	20.0
9 8	0 56.24	−16 19.9	3.787	4.695	5.9	19.9
9 18	0 52.10	−17 13.0	3.749	4.691	4.8	19.8
9 28	0 47.32	−17 59.8	3.738	4.686	4.4	19.8
10 8	0 42.28	−18 36.9	3.756	4.683	5.1	19.9
10 18	0 37.39	−19 1.9	3.801	4.679	6.4	19.9
10 28	0 33.06	−19 13.5	3.872	4.675	7.9	20.0
11 7	0 29.63	−19 11.3	3.965	4.671	9.3	20.2

6028 1994 ER_1 10 4.9 104.°59 3.°7/ 8.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.23	+16 59.5	1.915	2.701	16.0	17.3
9 8	1 6.18	+17 3.8	1.846	2.717	13.0	17.2
9 18	0 58.97	+16 49.2	1.798	2.734	9.5	17.0
9 28	0 50.27	+16 16.3	1.774	2.750	5.9	16.8
10 8	0 41.02	+15 28.5	1.776	2.766	3.7	16.7
10 18	0 32.23	+14 31.3	1.808	2.781	5.5	16.9
10 28	0 24.85	+13 31.8	1.866	2.796	8.8	17.1
11 7	0 19.55	+12 36.9	1.950	2.810	12.1	17.3

488436 2016 XR_{22} 10 4.9 301.°37 3.°3/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.70	+15 18.8	1.734	2.542	16.6	20.9
9 8	1 3.21	+15 18.9	1.643	2.530	13.4	20.7
9 18	0 57.36	+14 59.1	1.572	2.518	9.7	20.4
9 28	0 49.72	+14 19.8	1.524	2.507	5.8	20.2
10 8	0 41.21	+13 24.5	1.502	2.495	3.3	20.0
10 18	0 32.92	+12 19.2	1.507	2.484	5.8	20.1
10 28	0 25.95	+11 12.2	1.538	2.473	9.9	20.3
11 7	0 21.16	+10 11.5	1.593	2.462	13.8	20.6

398095 2009 QJ_{65} 10 4.9 231.°69 4.°3/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 0.96	−18 43.0	4.463	5.300	6.7	20.6
9 8	0 57.25	−19 22.0	4.402	5.297	5.5	20.5
9 18	0 52.69	−19 57.0	4.366	5.294	4.6	20.4
9 28	0 47.55	−20 25.1	4.357	5.291	4.3	20.4
10 8	0 42.20	−20 43.8	4.377	5.288	4.9	20.4
10 18	0 37.00	−20 51.5	4.424	5.286	5.9	20.5
10 28	0 32.32	−20 47.2	4.497	5.283	7.2	20.6
11 7	0 28.45	−20 30.9	4.593	5.280	8.3	20.7

430437 2000 GP_{40} 10 4.9 139.°94 0.°2/ 4.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 12.78	+ 5 58.5	1.939	2.763	14.5	21.5
9 8	1 7.25	+ 5 38.1	1.869	2.774	11.1	21.3
9 18	0 59.63	+ 5 6.5	1.821	2.785	7.2	21.1
9 28	0 50.55	+ 4 26.9	1.800	2.795	3.0	20.8
10 8	0 40.93	+ 3 44.5	1.807	2.805	1.4	20.7
10 18	0 31.76	+ 3 4.6	1.844	2.814	5.7	21.0
10 28	0 23.96	+ 2 32.5	1.907	2.822	9.6	21.3
11 7	0 18.19	+ 2 12.0	1.996	2.830	12.9	21.5

55820 1995 FW 10 4.9 176.°05 9.°6/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 26.14	+20 19.7	1.273	2.052	23.0	19.9
9 8	1 19.53	+22 16.7	1.197	2.053	19.5	19.6
9 18	1 8.85	+23 54.2	1.139	2.055	15.5	19.4
9 28	0 54.82	+25 3.3	1.102	2.055	11.7	19.2
10 8	0 38.99	+25 38.3	1.089	2.056	9.6	19.1
10 18	0 23.45	+25 39.5	1.100	2.055	10.8	19.2
10 28	0 10.35	+25 14.8	1.136	2.055	14.3	19.3
11 7	0 1.09	+24 37.4	1.194	2.054	18.1	19.6

444531 2006 SR_{163} 10 4.9 10.°57 0.°8/ 4.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.24	+ 5 9.3	1.734	2.580	15.0	21.6
9 8	1 2.57	+ 4 38.3	1.663	2.581	11.5	21.4
9 18	0 56.75	+ 3 54.9	1.613	2.582	7.4	21.1
9 28	0 49.40	+ 3 3.4	1.587	2.584	3.0	20.9
10 8	0 41.42	+ 2 10.0	1.589	2.586	1.9	20.8
10 18	0 33.82	+ 1 21.2	1.618	2.588	6.3	21.1
10 28	0 27.56	+ 0 43.1	1.672	2.591	10.4	21.3
11 7	0 23.34	+ 0 19.8	1.750	2.594	14.0	21.6

76970 2001 BY_{50} 10 4.9 294.°63 5.°2/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.28	− 4 49.4	1.393	2.261	16.7	19.3
9 8	1 7.04	− 5 37.4	1.323	2.253	12.9	19.0
9 18	0 59.98	− 6 30.7	1.274	2.245	8.7	18.8
9 28	0 50.84	− 7 21.3	1.248	2.238	5.5	18.6
10 8	0 40.79	− 8 0.3	1.248	2.230	6.4	18.6
10 18	0 31.19	− 8 20.3	1.272	2.222	10.3	18.8
10 28	0 23.35	− 8 17.1	1.320	2.215	14.5	19.0
11 7	0 18.15	− 7 50.2	1.388	2.207	18.3	19.3

400725 2009 SZ_{164} 10 4.9 20.°56 1.°6/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.86	+ 0 14.2	1.647	2.498	15.4	19.9
9 8	1 6.08	+ 0 22.8	1.587	2.508	11.7	19.7
9 18	0 58.98	+ 0 25.5	1.548	2.518	7.6	19.5
9 28	0 50.30	+ 0 25.8	1.534	2.530	3.2	19.3
10 8	0 41.06	+ 0 27.9	1.547	2.542	2.5	19.2
10 18	0 32.35	+ 0 35.4	1.587	2.555	6.7	19.5
10 28	0 25.20	+ 0 51.6	1.653	2.569	10.7	19.8
11 7	0 20.27	+ 1 18.2	1.741	2.584	14.1	20.1

66260 1999 GZ_{35} 10 4.9 303.°85 3.°3/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.89	+13 31.5	1.311	2.144	19.6	18.3
9 8	1 5.59	+13 39.1	1.230	2.134	15.8	18.1
9 18	0 59.30	+13 24.2	1.167	2.124	11.3	17.8
9 28	0 50.65	+12 47.0	1.126	2.114	6.3	17.5
10 8	0 40.84	+11 51.7	1.109	2.104	3.3	17.3
10 18	0 31.34	+10 46.1	1.116	2.095	7.0	17.5
10 28	0 23.62	+ 9 40.8	1.148	2.086	12.2	17.7
11 7	0 18.74	+ 8 45.6	1.201	2.077	16.8	18.0

347689 2001 VS_{20} 10 4.9 326.°72 1.°6/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 6.44	+ 3 13.0	1.273	2.142	18.0	20.5
9 8	1 3.71	+ 2 55.1	1.193	2.123	13.9	20.2
9 18	0 58.06	+ 2 23.6	1.131	2.106	9.1	19.9
9 28	0 50.14	+ 1 43.0	1.092	2.089	3.8	19.5
10 8	0 41.07	+ 1 0.8	1.077	2.073	2.9	19.4
10 18	0 32.27	+ 0 25.3	1.086	2.059	8.3	19.7
10 28	0 25.17	+ 0 4.0	1.118	2.045	13.6	20.0
11 7	0 20.82	+ 0 1.8	1.170	2.032	18.3	20.2

209192 2003 UF_{214} 10 4.9 277.°96 0.°5/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.49	+ 8 30.6	1.837	2.667	15.0	21.5
9 8	1 3.60	+ 8 9.3	1.748	2.655	11.7	21.2
9 18	0 57.51	+ 7 33.2	1.680	2.643	7.8	21.0
9 28	0 49.77	+ 6 45.1	1.637	2.631	3.5	20.7
10 8	0 41.25	+ 5 50.0	1.621	2.619	1.3	20.5
10 18	0 32.96	+ 4 54.2	1.633	2.607	5.8	20.8
10 28	0 25.92	+ 4 4.8	1.671	2.595	10.1	21.0
11 7	0 20.89	+ 3 27.2	1.733	2.583	13.9	21.2

390893 2005 AF_{38} 10 4.9 248.°21 3.°9/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.47	− 3 7.1	2.053	2.905	12.8	21.5
9 8	1 3.31	− 4 16.6	1.968	2.890	9.8	21.3
9 18	0 57.17	− 5 33.2	1.906	2.875	6.5	21.1
9 28	0 49.59	− 6 50.4	1.872	2.860	4.1	20.9
10 8	0 41.34	− 8 0.8	1.865	2.844	5.0	20.9
10 18	0 33.30	− 8 57.8	1.886	2.828	8.1	21.1
10 28	0 26.38	− 9 36.3	1.934	2.811	11.5	21.3
11 7	0 21.25	− 9 54.1	2.004	2.794	14.5	21.5

299177 2005 GW_{74} 10 4.9 192.°14 0.°5/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 4.77	+ 8 29.0	1.959	2.790	14.1	20.3
9 8	1 1.24	+ 7 19.9	1.880	2.789	10.8	20.1
9 18	0 55.79	+ 5 54.5	1.823	2.789	7.0	19.9
9 28	0 48.98	+ 4 17.7	1.793	2.788	2.8	19.6
10 8	0 41.62	+ 2 36.8	1.791	2.788	1.7	19.5
10 18	0 34.57	+ 1 0.1	1.818	2.787	5.9	19.8
10 28	0 28.68	− 0 24.5	1.872	2.786	9.8	20.0
11 7	0 24.60	− 1 31.6	1.951	2.785	13.2	20.2

295293 2008 GL_{105} 10 4.9 199.°19 0.°8/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 5.67	+10 13.7	2.151	2.968	13.5	21.0
9 8	1 1.78	+ 9 43.7	2.069	2.968	10.5	20.8
9 18	0 56.08	+ 8 59.6	2.009	2.967	7.1	20.6
9 28	0 49.10	+ 8 4.1	1.974	2.967	3.3	20.4
10 8	0 41.57	+ 7 1.8	1.968	2.966	1.2	20.2
10 18	0 34.32	+ 5 58.6	1.991	2.965	4.9	20.5
10 28	0 28.15	+ 5 0.6	2.041	2.964	8.6	20.7
11 7	0 23.68	+ 4 12.9	2.116	2.963	11.8	20.9

23970 1998 YP_6 10 4.9 273.°62 6.°8/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 3.55	−35 24.9	4.502	5.281	7.6	18.4
9 8	0 59.30	−36 12.9	4.464	5.276	7.0	18.4
9 18	0 54.05	−36 51.1	4.448	5.271	6.8	18.4
9 28	0 48.14	−37 16.0	4.457	5.266	7.0	18.4
10 8	0 42.01	−37 25.6	4.490	5.261	7.5	18.4
10 18	0 36.09	−37 18.7	4.545	5.256	8.2	18.5
10 28	0 30.81	−36 55.3	4.620	5.251	8.9	18.5
11 7	0 26.52	−36 16.6	4.713	5.246	9.6	18.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
191226	2002 RC_{170}		10 4.9	20.°94	7.°5/12.8	17
	h m	° ′			°	m
8 29	1 11.58	+27 42.4	2.366	3.072	15.4	20.2
9 8	1 6.51	+28 46.4	2.277	3.074	13.4	20.0
9 18	0 59.33	+29 31.9	2.208	3.076	11.2	19.9
9 28	0 50.54	+29 55.8	2.162	3.078	9.1	19.7
10 8	0 40.95	+29 57.0	2.141	3.080	7.7	19.6
10 18	0 31.54	+29 37.0	2.147	3.082	7.7	19.7
10 28	0 23.26	+29 0.3	2.180	3.084	9.1	19.7
11 7	0 16.90	+28 13.8	2.237	3.087	11.1	19.9
354351	2003 GY_{24}		10 4.9	341.°69	1.°8/ 1.7	18
8 29	1 0.16	− 3 26.5	4.151	4.989	7.1	20.5
9 8	0 56.71	− 3 52.2	4.072	4.988	5.3	20.4
9 18	0 52.38	− 4 19.6	4.019	4.986	3.5	20.2
9 28	0 47.47	− 4 46.4	3.995	4.985	2.0	20.1
10 8	0 42.32	− 5 10.3	4.001	4.984	2.3	20.2
10 18	0 37.30	− 5 29.0	4.036	4.983	4.0	20.3
10 28	0 32.79	− 5 40.7	4.100	4.982	5.8	20.4
11 7	0 29.09	− 5 44.3	4.190	4.980	7.5	20.5
515354	2013 CY_{74}		10 5.0	316.°52	2.°4/ 2.9	18
8 29	1 8.40	+ 0 8.7	1.766	2.618	14.5	21.2
9 8	1 4.26	− 0 20.1	1.689	2.611	11.1	21.0
9 18	0 57.90	− 0 56.7	1.633	2.605	7.2	20.8
9 28	0 49.93	− 1 36.3	1.603	2.598	3.3	20.5
10 8	0 41.25	− 2 12.8	1.600	2.592	3.4	20.5
10 18	0 32.90	− 2 40.4	1.624	2.586	7.3	20.7
10 28	0 25.88	− 2 54.4	1.674	2.580	11.2	21.0
11 7	0 20.94	− 2 52.3	1.746	2.575	14.7	21.2
269414	2009 SX_{20}		10 5.0	340.°82	4.°2/ 7.7	18
8 29	1 9.42	+13 30.7	1.288	2.122	19.9	19.8
9 8	1 6.05	+14 8.6	1.212	2.114	16.1	19.5
9 18	0 59.63	+14 26.8	1.153	2.107	11.7	19.2
9 28	0 50.82	+14 24.1	1.116	2.100	7.0	19.0
10 8	0 40.84	+14 2.6	1.102	2.095	4.2	18.8
10 18	0 31.20	+13 27.9	1.113	2.090	7.2	19.0
10 28	0 23.39	+12 48.7	1.147	2.086	12.0	19.2
11 7	0 18.48	+12 14.1	1.202	2.083	16.5	19.5
521329	2015 LH_{43}		10 5.0	58.°65	3.°6/ 8.4	18
8 29	1 8.87	+16 15.8	1.775	2.574	16.6	21.0
9 8	1 4.54	+16 22.1	1.710	2.590	13.4	20.8
9 18	0 58.00	+16 9.1	1.665	2.606	9.7	20.6
9 28	0 49.92	+15 37.6	1.644	2.622	5.9	20.4
10 8	0 41.28	+14 51.2	1.648	2.639	3.6	20.3
10 18	0 33.12	+13 55.7	1.681	2.656	5.6	20.5
10 28	0 26.41	+12 58.5	1.740	2.673	9.1	20.7
11 7	0 21.83	+12 6.8	1.823	2.690	12.5	21.0
59093	1998 VE_{47}		10 5.0	285.°69	4.°2/ 1.4	18
8 29	1 10.22	− 5 11.8	1.856	2.710	13.8	19.0
9 8	1 5.48	− 5 49.2	1.785	2.708	10.6	18.8
9 18	0 58.59	− 6 29.6	1.737	2.705	7.1	18.6
9 28	0 50.18	− 7 7.0	1.715	2.703	4.4	18.4
10 8	0 41.16	− 7 35.4	1.720	2.700	5.1	18.5
10 18	0 32.53	− 7 49.8	1.752	2.698	8.2	18.6
10 28	0 25.24	− 7 47.1	1.810	2.696	11.7	18.9
11 7	0 19.98	− 7 26.5	1.890	2.693	14.8	19.1
28655	Erincolfax		10 5.0	322.°25	0.°4/ 4.7	18
8 29	1 6.95	+ 7 9.9	1.444	2.294	17.2	18.9
9 8	1 3.65	+ 6 34.1	1.369	2.289	13.4	18.7
9 18	0 57.75	+ 5 40.7	1.314	2.283	8.8	18.4
9 28	0 49.93	+ 4 34.3	1.282	2.278	3.6	18.1
10 8	0 41.25	+ 3 22.5	1.276	2.273	1.8	17.9
10 18	0 32.96	+ 2 14.1	1.295	2.269	7.1	18.3
10 28	0 26.24	+ 1 18.0	1.340	2.264	12.0	18.5
11 7	0 21.97	+ 0 40.2	1.406	2.261	16.2	18.8
479833	2014 FM_{66}		10 5.0	287.°61	8.°1/27.5	18
8 29	1 10.71	−15 42.3	1.815	2.672	13.9	20.6
9 8	1 5.89	−16 50.6	1.757	2.671	11.3	20.5
9 18	0 58.85	−17 53.5	1.723	2.669	9.0	20.3
9 28	0 50.28	−18 42.3	1.713	2.668	8.1	20.3
10 8	0 41.14	−19 10.0	1.729	2.667	9.2	20.3
10 18	0 32.48	−19 12.4	1.770	2.666	11.5	20.5
10 28	0 25.29	−18 48.3	1.834	2.664	14.2	20.6
11 7	0 20.23	−18 0.2	1.917	2.663	16.6	20.8
314522	2005 YF_9		10 5.0	218.°12	0.°9/ 3.9	17
8 29	1 6.84	+ 3 35.9	2.541	3.369	11.4	22.2
9 8	1 2.40	+ 3 7.7	2.454	3.363	8.7	22.0
9 18	0 56.37	+ 2 31.5	2.390	3.357	5.6	21.8
9 28	0 49.22	+ 1 50.6	2.354	3.350	2.3	21.5
10 8	0 41.58	+ 1 9.0	2.348	3.343	1.7	21.5
10 18	0 34.15	+ 0 31.0	2.371	3.336	5.0	21.7
10 28	0 27.62	+ 0 0.7	2.422	3.329	8.2	21.9
11 7	0 22.55	− 0 19.0	2.499	3.321	11.0	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
370210	2002 GW_{118}		10 5.0	78.°52	4.°2/ 2.4	17
	h m	° ′			°	m
8 29	1 16.83	− 3 42.4	1.342	2.201	17.8	20.4
9 8	1 10.98	− 4 8.7	1.293	2.218	13.5	20.2
9 18	1 2.29	− 4 39.2	1.264	2.235	8.9	20.0
9 28	0 51.71	− 5 6.7	1.260	2.252	4.8	19.8
10 8	0 40.57	− 5 24.3	1.281	2.268	5.2	19.8
10 18	0 30.28	− 5 26.8	1.329	2.285	9.2	20.1
10 28	0 22.05	− 5 11.3	1.400	2.302	13.4	20.4
11 7	0 16.62	− 4 37.9	1.493	2.318	17.0	20.7
345450	2006 ET_{38}		10 5.0	245.°49	6.°3/10.6	18
8 29	1 10.86	+22 9.0	1.855	2.618	17.3	20.5
9 8	1 6.38	+22 45.9	1.766	2.613	14.6	20.3
9 18	0 59.46	+23 1.8	1.696	2.608	11.5	20.1
9 28	0 50.66	+22 54.2	1.649	2.604	8.4	19.9
10 8	0 40.94	+22 23.8	1.627	2.599	6.4	19.8
10 18	0 31.46	+21 34.1	1.631	2.594	7.1	19.9
10 28	0 23.36	+20 32.4	1.662	2.589	9.9	20.0
11 7	0 17.52	+19 27.6	1.717	2.584	13.1	20.2
248702	2006 MF_{14}		10 5.0	46.°25	11.°9/16.5	18
8 29	1 18.18	+32 58.6	1.550	2.253	22.4	20.0
9 8	1 12.50	+34 45.1	1.502	2.282	19.8	19.9
9 18	1 3.61	+36 0.7	1.469	2.313	17.0	19.8
9 28	0 52.38	+36 38.6	1.455	2.344	14.4	19.7
10 8	0 40.26	+36 36.8	1.462	2.375	12.5	19.6
10 18	0 28.84	+35 58.6	1.492	2.407	11.9	19.7
10 28	0 19.62	+34 53.1	1.545	2.439	12.8	19.8
11 7	0 13.52	+33 32.9	1.620	2.471	14.6	20.0
394224	2006 SF_{315}		10 5.0	78.°99	1.°2/ 3.7	18
8 29	1 6.23	+ 4 29.2	1.937	2.777	13.9	21.5
9 8	1 2.34	+ 3 43.5	1.865	2.781	10.6	21.3
9 18	0 56.50	+ 2 46.4	1.816	2.785	6.8	21.1
9 28	0 49.31	+ 1 42.7	1.792	2.789	2.8	20.9
10 8	0 41.58	+ 0 38.6	1.797	2.792	2.2	20.9
10 18	0 34.21	− 0 19.6	1.830	2.796	6.1	21.1
10 28	0 28.05	− 1 5.9	1.889	2.800	9.9	21.4
11 7	0 23.72	− 1 36.7	1.972	2.804	13.2	21.6
171328	2006 JS_{17}		10 5.0	9.°66	1.°7/ 3.6	18
8 29	1 4.30	+ 3 51.7	1.305	2.174	17.6	20.2
9 8	1 1.69	+ 3 12.7	1.245	2.176	13.4	19.9
9 18	0 56.46	+ 2 19.1	1.204	2.179	8.6	19.7
9 28	0 49.38	+ 1 17.4	1.186	2.183	3.5	19.4
10 8	0 41.56	+ 0 16.0	1.193	2.189	3.0	19.4
10 18	0 34.26	− 0 36.2	1.224	2.195	7.9	19.7
10 28	0 28.65	− 1 11.9	1.280	2.202	12.6	20.0
11 7	0 25.49	− 1 27.3	1.355	2.211	16.6	20.3
260244	2004 RY_{325}		10 5.0	335.°88	4.°7/ 9.5	18
8 29	1 6.53	+18 40.5	1.954	2.739	15.8	19.8
9 8	1 2.87	+19 5.9	1.864	2.731	13.1	19.6
9 18	0 57.06	+19 13.1	1.794	2.723	10.0	19.4
9 28	0 49.63	+19 1.1	1.748	2.716	6.8	19.2
10 8	0 41.43	+18 31.4	1.727	2.709	4.8	19.1
10 18	0 33.42	+17 47.8	1.732	2.703	6.0	19.1
10 28	0 26.63	+16 56.9	1.765	2.697	9.0	19.3
11 7	0 21.80	+16 5.8	1.822	2.692	12.3	19.5
482264	2011 QW_{73}		10 5.0	79.°43	1.°4/ 6.3	18
8 29	1 8.47	+11 25.1	1.792	2.611	15.7	21.6
9 8	1 4.14	+11 1.8	1.728	2.626	12.3	21.4
9 18	0 57.70	+10 21.8	1.684	2.641	8.3	21.2
9 28	0 49.81	+ 9 28.1	1.666	2.657	4.0	21.0
10 8	0 41.40	+ 8 26.1	1.674	2.672	1.6	20.9
10 18	0 33.46	+ 7 22.6	1.711	2.687	5.4	21.2
10 28	0 26.93	+ 6 24.6	1.774	2.702	9.3	21.4
11 7	0 22.44	+ 5 37.8	1.862	2.716	12.8	21.7
338024	2002 GX_{99}		10 5.0	227.°41	1.°0/ 5.9	18
8 29	1 11.17	+ 9 8.1	2.073	2.885	14.1	21.7
9 8	1 6.20	+ 9 2.4	1.980	2.876	11.1	21.5
9 18	0 59.11	+ 8 44.2	1.909	2.866	7.5	21.2
9 28	0 50.47	+ 8 15.0	1.864	2.856	3.5	21.0
10 8	0 41.08	+ 7 38.6	1.848	2.846	1.3	20.8
10 18	0 31.90	+ 6 59.6	1.860	2.834	5.2	21.0
10 28	0 23.89	+ 6 23.8	1.901	2.823	9.2	21.3
11 7	0 17.78	+ 5 56.0	1.966	2.811	12.7	21.5
97715	2000 GN_{92}		10 5.0	242.°51	0.°0/ 4.9	18
8 29	1 5.11	+ 7 15.2	2.690	3.507	11.1	20.4
9 8	1 1.06	+ 6 48.5	2.595	3.496	8.6	20.2
9 18	0 55.50	+ 6 12.0	2.524	3.486	5.6	20.0
9 28	0 48.88	+ 5 28.2	2.481	3.475	2.4	19.7
10 8	0 41.78	+ 4 40.8	2.467	3.464	1.0	19.6
10 18	0 34.83	+ 3 53.9	2.482	3.453	4.4	19.9
10 28	0 28.71	+ 3 11.9	2.526	3.442	7.5	20.0
11 7	0 23.95	+ 2 38.6	2.597	3.430	10.3	20.2