334358 2001 YV_{119} 9 20.9 236°.13 2°.0/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 13.98	+ 9 17.3	2.869	3.691	10.4	21.8
8 29	0 9.00	+ 8 52.9	2.769	3.674	8.0	21.6
9 8	0 2.72	+ 8 15.8	2.693	3.657	5.3	21.4
9 18	23 55.56	+ 7 27.7	2.645	3.639	2.7	21.2
9 28	23 48.11	+ 6 31.9	2.626	3.620	2.4	21.2
10 8	23 41.00	+ 5 32.6	2.638	3.600	5.0	21.3
10 18	23 34.84	+ 4 34.6	2.679	3.580	7.9	21.5
10 28	23 30.11	+ 3 42.3	2.745	3.559	10.5	21.6

481677 2007 YP_{20} 9 20.9 284°.60 1°.6/22.5 18

8 19	0 14.57	+ 5 54.5	1.908	2.763	13.5	21.6
8 29	0 9.98	+ 5 34.3	1.820	2.748	10.2	21.4
9 8	0 3.52	+ 4 58.9	1.756	2.733	6.5	21.1
9 18	23 55.77	+ 4 10.8	1.717	2.718	2.5	20.8
9 28	23 47.60	+ 3 15.1	1.706	2.702	2.9	20.8
10 8	23 39.98	+ 2 18.3	1.722	2.687	7.0	21.0
10 18	23 33.77	+ 1 26.6	1.765	2.672	10.9	21.2
10 28	23 29.65	+ 0 45.7	1.830	2.656	14.4	21.4

225124 2008 EZ_{134} 9 20.9 43°.61 2°.8/18.9 17

8 19	0 18.09	− 4 34.3	1.181	2.083	16.8	20.0
8 29	0 12.92	− 5 18.1	1.142	2.098	12.1	19.8
9 8	0 5.26	− 6 10.0	1.124	2.115	6.9	19.6
9 18	23 56.14	− 7 1.7	1.130	2.132	2.9	19.4
9 28	23 46.96	− 7 44.2	1.160	2.149	5.8	19.6
10 8	23 39.10	− 8 10.5	1.214	2.167	10.6	20.0
10 18	23 33.56	− 8 17.1	1.290	2.186	14.9	20.3
10 28	23 30.91	− 8 3.5	1.385	2.205	18.5	20.6

438586 2007 UZ_{117} 9 20.9 58°.56 1°.6/22.5 18

8 19	0 14.83	+ 6 5.8	1.776	2.634	14.2	21.0
8 29	0 10.11	+ 5 40.0	1.709	2.638	10.7	20.7
9 8	0 3.52	+ 4 58.2	1.665	2.643	6.7	20.5
9 18	23 55.75	+ 4 4.0	1.647	2.647	2.6	20.3
9 28	23 47.74	+ 3 3.2	1.655	2.651	2.9	20.3
10 8	23 40.47	+ 2 2.9	1.691	2.656	7.0	20.6
10 18	23 34.76	+ 1 9.5	1.753	2.661	10.9	20.8
10 28	23 31.21	+ 0 28.2	1.837	2.665	14.2	21.1

350368 2012 UG_{151} 9 20.9 10°.48 3°.8/18.3 18

8 19	0 12.85	− 6 24.1	1.077	1.993	16.9	19.1
8 29	0 9.42	− 7 8.3	1.033	1.997	12.1	18.8
9 8	0 3.38	− 7 59.4	1.010	2.002	7.1	18.6
9 18	23 55.73	− 8 48.3	1.008	2.008	3.8	18.4
9 28	23 47.87	− 9 25.4	1.029	2.016	6.8	18.6
10 8	23 41.22	− 9 43.4	1.073	2.026	11.6	18.9
10 18	23 36.85	− 9 39.1	1.137	2.038	16.1	19.2
10 28	23 35.40	− 9 12.1	1.219	2.051	19.8	19.5

24908 1997 CE_{22} 9 20.9 253°.82 0°.4/21.3 18

8 19	0 20.37	+ 1 33.0	1.651	2.519	14.7	18.6
8 29	0 14.48	+ 1 23.0	1.568	2.505	10.9	18.4
9 8	0 6.28	+ 1 0.7	1.508	2.491	6.5	18.1
9 18	23 56.45	+ 0 29.4	1.473	2.476	1.7	17.7
9 28	23 46.09	− 0 5.5	1.466	2.461	3.4	17.8
10 8	23 36.41	− 0 37.7	1.485	2.446	8.3	18.1
10 18	23 28.51	− 1 1.7	1.530	2.430	12.7	18.3
10 28	23 23.18	− 1 13.0	1.597	2.414	16.5	18.5

513842 2013 GP_{18} 9 20.9 119°.21 3°.8/16.3 18

8 19	0 15.51	−12 18.3	2.563	3.445	9.6	22.4
8 29	0 9.99	−13 11.9	2.517	3.461	7.0	22.2
9 8	0 3.19	−14 4.5	2.497	3.476	4.6	22.1
9 18	23 55.65	−14 51.2	2.506	3.491	3.8	22.1
9 28	23 48.05	−15 27.5	2.543	3.506	5.3	22.2
10 8	23 41.07	−15 50.2	2.609	3.520	7.7	22.4
10 18	23 35.27	−15 57.9	2.700	3.534	10.1	22.5
10 28	23 31.08	−15 50.4	2.813	3.547	12.2	22.7

285069 2011 KB_{23} 9 20.9 82°.90 2°.0/22.9 16

8 19	0 15.67	+ 7 51.3	1.671	2.525	15.2	21.3
8 29	0 10.73	+ 7 15.8	1.613	2.539	11.5	21.1
9 8	0 3.87	+ 6 21.8	1.578	2.553	7.3	20.9
9 18	23 55.83	+ 5 13.4	1.567	2.566	3.1	20.6
9 28	23 47.64	+ 3 57.6	1.584	2.580	3.1	20.7
10 8	23 40.30	+ 2 42.4	1.628	2.594	7.1	21.0
10 18	23 34.66	+ 1 35.3	1.698	2.607	11.1	21.2
10 28	23 31.27	+ 0 42.0	1.790	2.621	14.5	21.5

42176 2001 CK_{22} 9 20.9 219°.38 1°.7/24.6 18

8 19	0 8.15	+10 9.3	4.802	5.611	6.7	20.1
8 29	0 4.32	+10 6.7	4.713	5.607	5.2	19.9
9 8	23 59.81	+ 9 57.0	4.649	5.603	3.6	19.8
9 18	23 54.87	+ 9 41.2	4.613	5.600	2.1	19.7
9 28	23 49.82	+ 9 20.6	4.607	5.596	1.8	19.7
10 8	23 44.99	+ 8 57.1	4.631	5.592	3.1	19.8
10 18	23 40.68	+ 8 32.8	4.685	5.588	4.7	19.9
10 28	23 37.16	+ 8 9.7	4.766	5.584	6.3	20.0

396787 2004 FH_{117} 9 20.9 144°.54 1°.9/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 14.53	+ 8 56.7	2.530	3.359	11.4	22.1
8 29	0 9.39	+ 8 25.7	2.459	3.369	8.7	21.9
9 8	0 2.90	+ 7 41.1	2.412	3.379	5.7	21.7
9 18	23 55.60	+ 6 45.6	2.393	3.389	2.7	21.5
9 28	23 48.15	+ 5 43.4	2.404	3.398	2.5	21.5
10 8	23 41.25	+ 4 39.6	2.444	3.406	5.3	21.7
10 18	23 35.47	+ 3 39.3	2.512	3.414	8.3	21.9
10 28	23 31.30	+ 2 46.9	2.605	3.422	10.9	22.1

151380 2002 EF_{47} 9 20.9 300°.16 1°.7/22.5 18

8 19	0 16.75	+ 4 45.8	2.050	2.903	12.8	20.0
8 29	0 11.41	+ 4 51.9	1.969	2.894	9.7	19.8
9 8	0 4.28	+ 4 46.5	1.910	2.886	6.1	19.6
9 18	23 55.96	+ 4 31.3	1.878	2.878	2.5	19.3
9 28	23 47.29	+ 4 9.7	1.874	2.870	2.8	19.3
10 8	23 39.19	+ 3 46.2	1.898	2.862	6.5	19.6
10 18	23 32.47	+ 3 25.3	1.949	2.854	10.1	19.8
10 28	23 27.77	+ 3 11.2	2.023	2.846	13.3	20.0

381065 2006 XQ_{60} 9 21.0 4°.37 5°.3/24.7 18

8 19	0 16.34	+10 46.8	1.189	2.052	19.5	20.4
8 29	0 12.06	+11 18.9	1.127	2.051	15.4	20.2
9 8	0 5.05	+11 26.7	1.084	2.051	10.8	19.9
9 18	23 56.19	+11 10.2	1.062	2.052	6.6	19.7
9 28	23 46.84	+10 33.5	1.063	2.054	5.6	19.6
10 8	23 38.54	+ 9 44.8	1.088	2.057	9.2	19.9
10 18	23 32.53	+ 8 53.9	1.135	2.061	13.7	20.1
10 28	23 29.61	+ 8 10.1	1.201	2.066	17.9	20.4

103854 2000 DJ_{37} 9 21.0 146°.48 0°.5/21.4 18

8 19	0 19.94	+ 1 56.6	1.652	2.519	14.7	20.2
8 29	0 13.94	+ 1 42.9	1.587	2.523	10.8	20.0
9 8	0 5.81	+ 1 16.8	1.545	2.527	6.4	19.7
9 18	23 56.32	+ 0 42.2	1.528	2.531	1.7	19.5
9 28	23 46.56	+ 0 4.5	1.539	2.535	3.2	19.6
10 8	23 37.66	− 0 29.8	1.577	2.538	7.8	19.9
10 18	23 30.58	− 0 55.7	1.640	2.541	12.0	20.1
10 28	23 25.96	− 1 9.2	1.725	2.543	15.5	20.4

147037 2002 RZ_{51} 9 21.0 328°.38 3°.5/17.9 18

8 19	0 13.07	− 3 58.8	1.258	2.163	15.8	18.9
8 29	0 9.53	− 5 20.0	1.195	2.154	11.4	18.7
9 8	0 3.52	− 6 54.3	1.154	2.145	6.6	18.4
9 18	23 55.84	− 8 32.0	1.136	2.136	3.5	18.2
9 28	23 47.72	−10 0.8	1.143	2.129	6.7	18.3
10 8	23 40.51	−11 10.0	1.174	2.122	11.5	18.6
10 18	23 35.34	−11 53.3	1.226	2.115	16.1	18.8
10 28	23 32.96	−12 8.1	1.297	2.109	19.9	19.1

317764 2003 SW_{91} 9 21.0 214°.42 2°.0/23.2 18

8 19	0 15.70	+ 6 57.7	2.416	3.253	11.6	20.5
8 29	0 10.38	+ 7 0.2	2.336	3.251	8.9	20.3
9 8	0 3.58	+ 6 51.2	2.280	3.250	5.8	20.1
9 18	23 55.81	+ 6 32.2	2.252	3.248	2.8	19.9
9 28	23 47.79	+ 6 6.1	2.252	3.246	2.7	19.9
10 8	23 40.28	+ 5 37.0	2.281	3.244	5.6	20.1
10 18	23 33.94	+ 5 9.0	2.337	3.242	8.7	20.3
10 28	23 29.31	+ 4 46.1	2.419	3.239	11.5	20.5

66562 1999 RO_{136} 9 21.0 28°.27 0°.5/20.7 18

8 19	0 14.81	+ 0 40.7	1.219	2.114	16.9	18.7
8 29	0 10.56	+ 0 9.3	1.175	2.126	12.3	18.4
9 8	0 3.95	− 0 36.6	1.151	2.140	7.1	18.2
9 18	23 55.90	− 1 30.5	1.151	2.155	1.6	17.9
9 28	23 47.71	− 2 23.6	1.175	2.170	4.1	18.1
10 8	23 40.67	− 3 7.7	1.223	2.187	9.2	18.5
10 18	23 35.77	− 3 36.8	1.294	2.204	13.8	18.8
10 28	23 33.58	− 3 47.6	1.385	2.222	17.5	19.1

200491 2000 YA_{64} 9 21.0 237°.89 3°.9/16.7 18

8 19	0 15.72	− 8 57.3	1.979	2.867	11.7	20.2
8 29	0 10.71	−10 9.5	1.908	2.857	8.5	20.0
9 8	0 3.90	−11 26.0	1.862	2.847	5.3	19.8
9 18	23 55.90	−12 39.6	1.844	2.836	4.0	19.7
9 28	23 47.59	−13 43.0	1.853	2.825	6.1	19.8
10 8	23 39.90	−14 30.1	1.889	2.813	9.5	20.0
10 18	23 33.64	−14 57.6	1.950	2.801	12.7	20.1
10 28	23 29.42	−15 4.2	2.031	2.789	15.5	20.3

206655 2003 YN_{35} 9 21.0 175°.60 6°.1/27.8 18

8 19	0 16.49	+19 28.5	2.153	2.931	14.8	20.5
8 29	0 11.23	+19 43.6	2.072	2.932	12.3	20.4
9 8	0 4.20	+19 37.4	2.011	2.933	9.6	20.2
9 18	23 55.99	+19 9.4	1.975	2.934	7.1	20.0
9 28	23 47.46	+18 21.6	1.965	2.934	6.1	20.0
10 8	23 39.52	+17 19.2	1.983	2.935	7.2	20.1
10 18	23 32.97	+16 8.8	2.027	2.934	9.7	20.2
10 28	23 28.44	+14 58.0	2.096	2.934	12.3	20.4

445849 2012 FO_{45} 9 21.0 242.°77 2.°2/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 14.08	− 6 22.0	2.721	3.596	9.3	22.3
8 29	0 9.12	− 7 10.1	2.636	3.580	6.7	22.1
9 8	0 2.84	− 8 2.5	2.578	3.563	4.0	21.9
9 18	23 55.67	− 8 54.9	2.548	3.546	2.2	21.7
9 28	23 48.24	− 9 42.7	2.548	3.528	3.9	21.8
10 8	23 41.22	−10 21.6	2.577	3.510	6.8	22.0
10 18	23 35.19	−10 48.6	2.632	3.492	9.5	22.1
10 28	23 30.65	−11 2.0	2.711	3.473	11.9	22.3

92104 1999 XA_{53} 9 21.0 257.°18 0.°1/21.1 18

8 19	0 13.64	+ 1 49.2	2.420	3.280	10.9	20.3
8 29	0 8.94	+ 1 19.3	2.334	3.268	8.0	20.1
9 8	0 2.78	+ 0 39.8	2.273	3.256	4.7	19.9
9 18	23 55.66	− 0 6.3	2.240	3.243	1.2	19.6
9 28	23 48.26	− 0 54.5	2.235	3.230	2.5	19.7
10 8	23 41.31	− 1 40.0	2.260	3.217	6.0	19.9
10 18	23 35.46	− 2 18.5	2.311	3.204	9.3	20.1
10 28	23 31.26	− 2 46.4	2.386	3.191	12.1	20.2

440031 2002 PM_{93} 9 21.0 351.°28 12.°5/ 1.8 18

8 19	0 14.24	+26 44.8	1.423	2.194	21.4	19.1
8 29	0 10.62	+28 12.3	1.349	2.186	19.0	18.9
9 8	0 4.34	+29 8.8	1.292	2.179	16.4	18.7
9 18	23 56.11	+29 28.2	1.252	2.173	14.0	18.6
9 28	23 47.17	+29 8.0	1.233	2.169	12.6	18.5
10 8	23 38.99	+28 12.4	1.235	2.166	12.8	18.5
10 18	23 32.88	+26 50.7	1.259	2.164	14.5	18.6
10 28	23 29.81	+25 15.7	1.302	2.163	17.0	18.8

13851 1999 XB_{94} 9 21.0 8.°08 6.°6/14.4 18

8 19	0 12.85	−15 51.0	1.676	2.580	12.6	16.2
8 29	0 8.76	−17 6.6	1.631	2.581	9.6	16.1
9 8	0 2.79	−18 18.4	1.609	2.584	7.1	15.9
9 18	23 55.66	−19 18.1	1.612	2.587	6.8	15.9
9 28	23 48.37	−19 58.3	1.640	2.591	8.8	16.0
10 8	23 41.91	−20 14.8	1.692	2.596	11.7	16.2
10 18	23 37.10	−20 6.6	1.766	2.602	14.5	16.4
10 28	23 34.49	−19 35.1	1.859	2.608	17.0	16.6

521710 2015 RQ_{264} 9 21.0 326.°88 1.°3/19.7 18

8 19	0 13.66	− 1 33.7	1.867	2.748	12.6	21.4
8 29	0 9.26	− 2 17.8	1.797	2.743	9.1	21.2
9 8	0 3.08	− 3 11.5	1.751	2.738	5.2	20.9
9 18	23 55.76	− 4 9.6	1.731	2.734	1.5	20.7
9 28	23 48.16	− 5 5.7	1.738	2.730	3.8	20.8
10 8	23 41.20	− 5 53.5	1.773	2.726	7.8	21.1
10 18	23 35.69	− 6 28.2	1.832	2.722	11.5	21.3
10 28	23 32.22	− 6 46.7	1.914	2.718	14.7	21.5

291023 2005 YT_{25} 9 21.0 204.°75 1.°9/18.4 18

8 19	0 13.17	− 5 27.5	2.760	3.634	9.2	21.5
8 29	0 8.39	− 6 16.8	2.686	3.630	6.6	21.3
9 8	0 2.38	− 7 10.5	2.639	3.625	3.8	21.2
9 18	23 55.58	− 8 4.3	2.621	3.620	1.9	21.0
9 28	23 48.59	− 8 53.9	2.632	3.615	3.6	21.1
10 8	23 42.04	− 9 35.0	2.673	3.609	6.4	21.3
10 18	23 36.48	−10 4.8	2.740	3.603	9.1	21.5
10 28	23 32.36	−10 21.5	2.831	3.597	11.4	21.6

97011 1999 TS_{256} 9 21.0 302.°71 0.°2/21.2 18

8 19	0 14.59	+ 2 39.0	1.652	2.526	14.3	19.7
8 29	0 10.20	+ 2 2.7	1.577	2.517	10.6	19.5
9 8	0 3.76	+ 1 11.6	1.524	2.509	6.3	19.2
9 18	23 55.95	+ 0 10.0	1.497	2.500	1.6	18.9
9 28	23 47.75	− 0 54.9	1.496	2.492	3.3	19.0
10 8	23 40.25	− 1 55.5	1.522	2.483	8.0	19.2
10 18	23 34.37	− 2 45.1	1.572	2.475	12.2	19.5
10 28	23 30.81	− 3 18.8	1.644	2.467	15.9	19.7

308772 2006 PU_{3} 9 21.0 353.°76 1.°1/21.7 17

8 19	0 7.32	+ 2 0.1	0.985	1.898	18.4	19.4
8 29	0 5.80	+ 2 8.6	0.924	1.883	13.8	19.1
9 8	0 1.59	+ 1 59.4	0.881	1.871	8.4	18.8
9 18	23 55.49	+ 1 36.4	0.858	1.861	2.6	18.4
9 28	23 48.84	+ 1 6.5	0.856	1.854	4.0	18.5
10 8	23 43.18	+ 0 38.9	0.875	1.850	9.9	18.8
10 18	23 39.78	+ 0 21.4	0.914	1.849	15.3	19.1
10 28	23 39.46	+ 0 20.1	0.971	1.850	19.9	19.4

95565 2002 EL_{106} 9 21.0 125.°02 3.°1/17.5 18

8 19	0 16.33	− 9 40.9	2.370	3.251	10.3	19.5
8 29	0 10.76	−10 19.8	2.314	3.259	7.4	19.3
9 8	0 3.76	−10 59.7	2.284	3.268	4.6	19.2
9 18	23 55.92	−11 35.9	2.282	3.275	3.1	19.1
9 28	23 47.96	−12 3.7	2.308	3.283	4.8	19.2
10 8	23 40.63	−12 19.8	2.363	3.291	7.6	19.4
10 18	23 34.57	−12 22.3	2.443	3.298	10.3	19.6
10 28	23 30.24	−12 10.6	2.546	3.305	12.7	19.8

392014 2009 AG_{11} 9 21.0 169.°26 0.°8/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 16.25	− 0 55.6	2.358	3.223	11.0	22.5
8 29	0 10.76	− 1 34.3	2.289	3.227	7.9	22.3
9 8	0 3.81	− 2 20.8	2.245	3.230	4.5	22.1
9 18	23 55.94	− 3 11.1	2.229	3.233	1.1	21.9
9 28	23 47.89	− 4 0.1	2.243	3.235	3.0	22.0
10 8	23 40.41	− 4 43.2	2.286	3.237	6.5	22.2
10 18	23 34.16	− 5 16.5	2.356	3.238	9.6	22.4
10 28	23 29.64	− 5 37.4	2.450	3.239	12.3	22.6

61016 2000 KT_{42} 9 21.0 295.°01 2.°8/23.2 18

8 19	0 16.29	+ 8 16.1	1.259	2.128	18.3	19.9
8 29	0 12.05	+ 7 58.6	1.186	2.118	14.1	19.6
9 8	0 5.14	+ 7 16.6	1.132	2.109	9.2	19.3
9 18	23 56.33	+ 6 12.9	1.100	2.099	4.2	19.0
9 28	23 46.94	+ 4 54.8	1.093	2.090	4.0	19.0
10 8	23 38.42	+ 3 33.1	1.111	2.081	9.1	19.2
10 18	23 32.05	+ 2 18.6	1.151	2.072	14.2	19.5
10 28	23 28.69	+ 1 20.3	1.212	2.063	18.6	19.7

424271 2007 TE_{36} 9 21.0 343.°77 2.°3/21.9 18

8 19	0 13.89	+ 0 19.0	0.789	1.709	20.9	18.9
8 29	0 11.42	+ 1 24.8	0.725	1.687	16.0	18.5
9 8	0 5.33	+ 2 20.3	0.677	1.668	10.0	18.1
9 18	23 56.47	+ 3 5.3	0.648	1.651	3.7	17.7
9 28	23 46.56	+ 3 42.3	0.638	1.636	5.0	17.7
10 8	23 37.77	+ 4 15.6	0.648	1.625	11.7	18.0
10 18	23 31.95	+ 4 50.3	0.675	1.616	18.0	18.3
10 28	23 30.30	+ 5 32.0	0.717	1.610	23.4	18.6

209752 2005 EU_{210} 9 21.0 81.°85 1.°3/22.3 18

8 19	0 16.91	+ 4 42.3	1.825	2.684	13.9	20.4
8 29	0 11.59	+ 4 28.5	1.762	2.692	10.4	20.2
9 8	0 4.42	+ 4 1.1	1.722	2.700	6.4	20.0
9 18	23 56.10	+ 3 23.3	1.708	2.709	2.3	19.8
9 28	23 47.57	+ 2 40.0	1.721	2.717	2.9	19.8
10 8	23 39.81	+ 1 57.3	1.762	2.725	6.9	20.1
10 18	23 33.63	+ 1 20.7	1.828	2.734	10.7	20.4
10 28	23 29.61	+ 0 54.5	1.918	2.742	13.9	20.6

379590 2011 BE_{139} 9 21.0 62.°87 0.°8/21.6 16

8 19	0 19.96	+ 2 23.1	1.399	2.274	16.4	20.8
8 29	0 14.21	+ 2 16.1	1.343	2.283	12.1	20.6
9 8	0 6.10	+ 1 54.8	1.309	2.293	7.2	20.3
9 18	23 56.51	+ 1 23.4	1.300	2.303	2.1	20.0
9 28	23 46.69	+ 0 47.9	1.316	2.312	3.5	20.2
10 8	23 37.94	+ 0 15.4	1.358	2.322	8.5	20.5
10 18	23 31.27	− 0 8.2	1.424	2.333	12.9	20.8
10 28	23 27.35	− 0 18.9	1.512	2.343	16.6	21.0

423103 2004 BM_{6} 9 21.0 215.°60 0.°1/21.1 17

8 19	0 18.25	+ 2 19.8	1.997	2.856	12.9	22.7
8 29	0 12.59	+ 1 38.0	1.914	2.847	9.5	22.5
9 8	0 5.06	+ 0 43.4	1.855	2.838	5.6	22.3
9 18	23 56.28	− 0 19.8	1.824	2.827	1.3	21.9
9 28	23 47.12	− 1 25.6	1.821	2.816	3.0	22.1
10 8	23 38.56	− 2 27.2	1.847	2.804	7.3	22.3
10 18	23 31.44	− 3 19.0	1.900	2.791	11.1	22.5
10 28	23 26.41	− 3 56.5	1.976	2.778	14.4	22.7

183521 2003 FM_{91} 9 21.0 128.°88 5.°1/15.2 18

8 19	0 16.07	−15 18.6	2.245	3.131	10.6	20.2
8 29	0 10.67	−16 18.7	2.195	3.138	7.9	20.0
9 8	0 3.76	−17 15.8	2.171	3.144	5.7	19.9
9 18	23 55.93	−18 4.1	2.174	3.150	5.2	19.9
9 28	23 47.99	−18 38.1	2.204	3.156	6.8	20.0
10 8	23 40.73	−18 54.5	2.262	3.162	9.3	20.2
10 18	23 34.81	−18 52.2	2.343	3.167	11.8	20.4
10 28	23 30.74	−18 31.9	2.446	3.173	14.0	20.5

240383 2003 SX_{321} 9 21.0 31.°66 3.°4/18.4 18

8 19	0 20.87	− 9 0.9	1.688	2.575	13.5	20.3
8 29	0 14.60	− 9 22.4	1.628	2.576	9.8	20.1
9 8	0 6.22	− 9 45.5	1.592	2.577	5.9	19.8
9 18	23 56.54	−10 4.6	1.581	2.579	3.5	19.7
9 28	23 46.64	−10 14.1	1.598	2.580	5.6	19.8
10 8	23 37.65	−10 10.0	1.641	2.582	9.4	20.1
10 18	23 30.50	− 9 50.6	1.709	2.583	13.1	20.3
10 28	23 25.80	− 9 15.9	1.798	2.585	16.2	20.5

477410 2009 VG_{86} 9 21.0 249.°44 4.°3/17.1 18

8 19	0 18.04	− 9 30.9	1.700	2.591	13.1	21.9
8 29	0 12.67	−10 30.8	1.633	2.583	9.6	21.7
9 8	0 5.19	−11 34.1	1.589	2.573	6.0	21.4
9 18	23 56.32	−12 33.4	1.571	2.564	4.4	21.3
9 28	23 47.09	−13 20.8	1.580	2.554	6.7	21.4
10 8	23 38.64	−13 50.3	1.615	2.545	10.4	21.6
10 18	23 31.89	−13 58.9	1.674	2.534	14.0	21.8
10 28	23 27.54	−13 46.0	1.752	2.524	17.1	22.0

143630 2003 HA_{33} 9 21.0 26.°82 0.°9/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 13.69	+ 0 48.6	0.858	1.773	20.2	18.4
8 29	0 10.40	+ 0 5.3	0.824	1.785	14.7	18.2
9 8	0 4.12	− 0 56.9	0.808	1.800	8.4	17.9
9 18	23 56.05	− 2 8.7	0.812	1.816	1.9	17.6
9 28	23 47.87	− 3 17.3	0.837	1.833	5.1	17.9
10 8	23 41.21	− 4 11.2	0.884	1.852	11.1	18.3
10 18	23 37.21	− 4 43.3	0.951	1.872	16.4	18.6
10 28	23 36.46	− 4 50.7	1.035	1.893	20.6	19.0

206495 2003 UG_{85} 9 21.0 232.°03 0.°1/21.2 18

8 19	0 15.22	+ 2 31.9	2.036	2.899	12.5	21.5
8 29	0 10.33	+ 1 52.5	1.957	2.892	9.2	21.3
9 8	0 3.71	+ 1 0.6	1.901	2.884	5.4	21.0
9 18	23 55.96	+ 0 0.3	1.872	2.876	1.3	20.7
9 28	23 47.89	− 1 2.6	1.872	2.867	2.9	20.8
10 8	23 40.39	− 2 1.7	1.900	2.858	6.9	21.1
10 18	23 34.24	− 2 51.6	1.954	2.849	10.6	21.3
10 28	23 30.05	− 3 28.1	2.031	2.840	13.8	21.5

481622 2007 UD_{84} 9 21.0 104.°26 4.°9/16.4 18

8 19	0 18.32	−12 59.1	1.893	2.781	12.1	21.4
8 29	0 12.52	−13 49.2	1.842	2.788	8.9	21.3
9 8	0 4.91	−14 37.9	1.815	2.794	6.0	21.1
9 18	23 56.22	−15 18.5	1.814	2.800	4.9	21.0
9 28	23 47.39	−15 45.2	1.842	2.807	6.8	21.2
10 8	23 39.40	−15 54.1	1.895	2.813	9.8	21.4
10 18	23 33.03	−15 44.2	1.972	2.819	12.8	21.6
10 28	23 28.82	−15 16.0	2.071	2.825	15.4	21.8

421820 2014 QX_{74} 9 21.0 5.°51 4.°6/26.3 18

8 19	0 12.63	+15 23.2	2.091	2.902	14.1	20.9
8 29	0 8.43	+15 19.8	2.013	2.902	11.4	20.7
9 8	0 2.60	+14 56.6	1.957	2.902	8.4	20.6
9 18	23 55.69	+14 14.5	1.925	2.903	5.6	20.4
9 28	23 48.51	+13 16.9	1.920	2.904	4.6	20.3
10 8	23 41.90	+12 9.5	1.942	2.905	6.4	20.5
10 18	23 36.61	+10 59.1	1.991	2.907	9.4	20.6
10 28	23 33.21	+ 9 52.6	2.064	2.908	12.3	20.8

291606 2006 GF_{36} 9 21.0 135.°50 0.°6/20.4 16

8 19	0 14.14	+ 2 26.3	1.954	2.821	12.8	21.0
8 29	0 9.48	+ 1 9.3	1.890	2.828	9.3	20.8
9 8	0 3.16	− 0 21.3	1.851	2.836	5.3	20.5
9 18	23 55.81	− 1 59.3	1.839	2.843	1.2	20.3
9 28	23 48.28	− 3 36.7	1.857	2.850	3.3	20.4
10 8	23 41.43	− 5 5.7	1.902	2.856	7.3	20.7
10 18	23 35.98	− 6 20.0	1.975	2.862	10.9	20.9
10 28	23 32.48	− 7 15.8	2.070	2.868	13.9	21.2

521180 2015 FZ_{410} 9 21.0 181.°14 3.°8/17.6 17

8 19	0 18.40	− 7 58.4	1.671	2.561	13.4	21.2
8 29	0 12.85	− 8 58.1	1.611	2.561	9.7	21.0
9 8	0 5.24	−10 2.1	1.575	2.562	5.9	20.8
9 18	23 56.32	−11 3.1	1.566	2.562	3.8	20.7
9 28	23 47.14	−11 53.3	1.583	2.561	6.2	20.8
10 8	23 38.82	−12 26.6	1.626	2.561	10.0	21.0
10 18	23 32.26	−12 40.1	1.694	2.560	13.6	21.3
10 28	23 28.09	−12 33.0	1.781	2.559	16.7	21.5

349216 2007 RO_{312} 9 21.0 11.°41 10.°9/28.6 18

8 19	0 15.67	+18 53.7	1.085	1.922	22.7	19.3
8 29	0 11.87	+20 37.1	1.035	1.928	19.2	19.1
9 8	0 5.12	+21 49.1	1.001	1.936	15.6	18.9
9 18	23 56.35	+22 24.0	0.986	1.945	12.4	18.8
9 28	23 47.08	+22 21.3	0.991	1.957	10.9	18.7
10 8	23 38.99	+21 47.6	1.017	1.971	12.0	18.8
10 18	23 33.43	+20 54.0	1.064	1.987	14.8	19.1
10 28	23 31.23	+19 53.4	1.129	2.004	18.0	19.3

124972 2001 TO_{110} 9 21.0 179.°82 1.°5/22.2 18

8 19	0 21.36	+ 4 39.6	1.494	2.356	16.2	19.4
8 29	0 15.29	+ 4 30.2	1.426	2.358	12.2	19.2
9 8	0 6.81	+ 4 4.3	1.379	2.358	7.6	18.9
9 18	23 56.72	+ 3 25.3	1.357	2.358	2.7	18.6
9 28	23 46.24	+ 2 39.1	1.362	2.358	3.4	18.7
10 8	23 36.68	+ 1 53.2	1.393	2.358	8.3	19.0
10 18	23 29.14	+ 1 14.4	1.450	2.357	12.8	19.2
10 28	23 24.34	+ 0 48.2	1.527	2.355	16.7	19.5

95619 2002 GZ_{7} 9 21.0 103.°72 3.°2/17.5 18

8 19	0 15.62	− 9 18.3	2.255	3.138	10.6	19.6
8 29	0 10.34	−10 0.4	2.198	3.145	7.7	19.4
9 8	0 3.57	−10 43.8	2.167	3.151	4.7	19.3
9 18	23 55.91	−11 23.8	2.163	3.158	3.2	19.2
9 28	23 48.12	−11 55.2	2.188	3.164	5.0	19.3
10 8	23 40.97	−12 14.4	2.240	3.170	7.9	19.5
10 18	23 35.12	−12 19.3	2.318	3.176	10.7	19.7
10 28	23 31.05	−12 9.2	2.418	3.182	13.2	19.9

456140 2006 DA_{145} 9 21.0 314.°17 2.°2/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 10.78	− 3 6.8	2.161	3.044	11.1	21.0
8 29	0 7.00	− 4 28.6	2.090	3.038	7.9	20.8
9 8	0 1.73	− 5 59.2	2.044	3.033	4.5	20.6
9 18	23 55.49	− 7 32.5	2.026	3.027	2.2	20.4
9 28	23 49.02	− 9 0.9	2.037	3.021	4.4	20.5
10 8	23 43.06	−10 18.0	2.076	3.016	7.8	20.7
10 18	23 38.30	−11 18.7	2.141	3.011	11.0	20.9
10 28	23 35.26	−12 0.2	2.228	3.006	13.7	21.1

104357 2000 FO_{20} 9 21.0 77.°22 2.°7/17.9 18

8 19	0 13.97	− 3 49.8	1.833	2.719	12.6	19.0
8 29	0 9.34	− 5 19.6	1.788	2.738	8.9	18.9
9 8	0 3.05	− 6 56.5	1.768	2.757	5.1	18.7
9 18	23 55.79	− 8 33.0	1.776	2.775	2.7	18.5
9 28	23 48.43	−10 0.4	1.811	2.793	5.0	18.7
10 8	23 41.87	−11 12.1	1.874	2.812	8.6	19.0
10 18	23 36.81	−12 4.0	1.961	2.830	11.9	19.2
10 28	23 33.75	−12 34.3	2.071	2.848	14.6	19.5

466240 2013 BJ_{39} 9 21.0 219.°66 2.°5/15.3 18

8 19	0 6.75	−13 15.4	4.610	5.492	5.7	21.4
8 29	0 3.40	−14 4.2	4.547	5.490	4.2	21.3
9 8	23 59.37	−14 52.4	4.511	5.487	2.9	21.2
9 18	23 54.92	−15 37.4	4.505	5.485	2.6	21.1
9 28	23 50.38	−16 16.6	4.528	5.482	3.5	21.2
10 8	23 46.07	−16 48.1	4.580	5.480	5.0	21.3
10 18	23 42.31	−17 10.3	4.658	5.477	6.4	21.4
10 28	23 39.35	−17 22.5	4.761	5.475	7.8	21.5

431226 2006 SK_{323} 9 21.0 220.°71 2.°4/18.8 18

8 19	0 19.88	− 5 3.2	1.870	2.748	12.8	22.2
8 29	0 13.88	− 5 49.6	1.794	2.739	9.3	22.0
9 8	0 5.86	− 6 42.9	1.743	2.729	5.4	21.7
9 18	23 56.51	− 7 37.3	1.718	2.718	2.5	21.5
9 28	23 46.77	− 8 26.1	1.722	2.707	4.8	21.7
10 8	23 37.71	− 9 3.1	1.753	2.695	8.8	21.9
10 18	23 30.25	− 9 24.4	1.810	2.682	12.5	22.1
10 28	23 25.05	− 9 28.2	1.888	2.669	15.7	22.3

516248 2016 UG_{87} 9 21.0 273.°26 3.°1/18.5 18

8 19	0 19.11	− 7 44.8	1.792	2.677	12.9	21.6
8 29	0 13.33	− 8 13.8	1.723	2.671	9.3	21.3
9 8	0 5.53	− 8 46.0	1.678	2.664	5.6	21.1
9 18	23 56.42	− 9 16.1	1.659	2.658	3.1	20.9
9 28	23 47.00	− 9 38.1	1.668	2.651	5.3	21.1
10 8	23 38.34	− 9 47.4	1.704	2.645	9.1	21.3
10 18	23 31.35	− 9 41.5	1.764	2.638	12.7	21.5
10 28	23 26.66	− 9 19.4	1.845	2.632	15.8	21.7

221489 2006 CP_{9} 9 21.0 267.°92 0.°4/20.6 17

8 19	0 13.25	+ 0 29.9	2.346	3.212	10.9	21.5
8 29	0 8.73	− 0 6.6	2.262	3.200	8.0	21.3
9 8	0 2.73	− 0 52.4	2.204	3.188	4.6	21.0
9 18	23 55.75	− 1 43.9	2.172	3.176	1.0	20.8
9 28	23 48.48	− 2 36.3	2.170	3.164	2.8	20.9
10 8	23 41.68	− 3 24.3	2.196	3.151	6.4	21.1
10 18	23 36.02	− 4 3.6	2.249	3.139	9.7	21.3
10 28	23 32.03	− 4 30.9	2.325	3.126	12.5	21.5

14063 1996 DZ 9 21.0 106.°30 1.°3/19.8 18

8 19	0 18.83	− 1 23.4	1.680	2.557	14.0	17.9
8 29	0 13.01	− 2 10.9	1.629	2.573	10.1	17.7
9 8	0 5.24	− 3 8.0	1.602	2.589	5.7	17.4
9 18	23 56.32	− 4 8.7	1.601	2.604	1.6	17.2
9 28	23 47.30	− 5 5.7	1.628	2.619	4.0	17.4
10 8	23 39.20	− 5 52.6	1.682	2.634	8.2	17.7
10 18	23 32.87	− 6 24.9	1.761	2.648	12.0	18.0
10 28	23 28.86	− 6 40.2	1.861	2.662	15.2	18.2

393447 2001 UP_{11} 9 21.1 16.°69 10.°3/ 2.0 14 C

8 19	0 9.86	+28 41.3	1.011	1.811	26.5	20.6
8 29	0 7.84	+28 1.6	0.946	1.813	22.8	20.4
9 8	0 2.85	+26 24.4	0.894	1.815	18.5	20.1
9 18	23 55.84	+23 46.3	0.860	1.818	14.0	19.9
9 28	23 48.35	+20 15.0	0.846	1.821	10.7	19.7
10 8	23 42.10	+16 11.3	0.855	1.825	11.1	19.8
10 18	23 38.40	+12 2.8	0.889	1.829	14.8	20.0
10 28	23 38.02	+ 8 16.1	0.944	1.834	19.3	20.3

451354 2010 WD_{48} 9 21.1 342.°15 4.°8/26.5 18

8 19	0 13.25	+15 51.4	2.116	2.922	14.1	20.6
8 29	0 8.91	+15 51.3	2.035	2.920	11.5	20.4
9 8	0 2.91	+15 31.5	1.975	2.918	8.5	20.2
9 18	23 55.81	+14 52.4	1.940	2.916	5.8	20.0
9 28	23 48.41	+13 57.1	1.932	2.914	4.8	20.0
10 8	23 41.57	+12 51.4	1.951	2.913	6.5	20.1
10 18	23 36.04	+11 41.7	1.997	2.911	9.4	20.2
10 28	23 32.41	+10 35.1	2.067	2.910	12.3	20.4

436151 2009 VQ_6 9 21.1 17°.24 0°.3/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 7.24	+ 2 30.2	4.456	5.304	6.5	21.7
8 29	0 3.76	+ 2 9.6	4.377	5.304	4.8	21.5
9 8	23 59.59	+ 1 43.9	4.325	5.304	2.8	21.4
9 18	23 54.99	+ 1 14.8	4.302	5.304	0.8	21.2
9 28	23 50.30	+ 0 44.2	4.309	5.304	1.4	21.3
10 8	23 45.85	+ 0 14.4	4.346	5.304	3.4	21.4
10 18	23 41.94	− 0 12.4	4.412	5.305	5.2	21.6
10 28	23 38.86	− 0 34.4	4.504	5.305	6.9	21.7

407051 2009 SL_{133} 9 21.1 30°.64 0°.3/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.87	+ 1 30.8	2.219	3.087	11.4	21.2
8 29	0 7.72	+ 0 39.2	2.150	3.089	8.3	21.0
9 8	0 2.12	− 0 23.0	2.105	3.090	4.8	20.8
9 18	23 55.61	− 1 31.5	2.088	3.092	1.1	20.5
9 28	23 48.91	− 2 40.3	2.099	3.093	2.8	20.7
10 8	23 42.75	− 3 43.6	2.139	3.095	6.5	20.9
10 18	23 37.78	− 4 36.5	2.205	3.097	9.8	21.1
10 28	23 34.50	− 5 15.6	2.295	3.099	12.6	21.3

298184 2002 TS_{193} 9 21.1 327°.67 0°.4/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.97	− 1 16.7	1.578	2.460	14.5	19.8
8 29	0 12.80	− 1 17.8	1.504	2.448	10.7	19.5
9 8	0 5.38	− 1 27.9	1.451	2.438	6.2	19.2
9 18	23 56.43	− 1 43.4	1.424	2.427	1.4	18.9
9 28	23 47.04	− 1 59.2	1.423	2.418	3.6	19.0
10 8	23 38.40	− 2 10.0	1.448	2.408	8.4	19.3
10 18	23 31.55	− 2 11.6	1.497	2.400	12.8	19.5
10 28	23 27.23	− 2 0.8	1.568	2.392	16.5	19.8

67125 2000 AC_{131} 9 21.1 317°.19 0°.7/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.59	− 0 7.2	1.942	2.820	12.4	19.2
8 29	0 8.55	− 0 44.7	1.860	2.804	9.0	19.0
9 8	0 2.76	− 1 33.0	1.802	2.789	5.2	18.7
9 18	23 55.79	− 2 27.6	1.770	2.774	1.2	18.4
9 28	23 48.47	− 3 22.8	1.765	2.759	3.3	18.6
10 8	23 41.68	− 4 12.0	1.788	2.745	7.4	18.8
10 18	23 36.24	− 4 50.3	1.836	2.731	11.2	19.0
10 28	23 32.76	− 5 13.8	1.906	2.718	14.5	19.2

99671 2002 JE_7 9 21.1 109°.37 3°.9/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.08	− 8 37.9	1.787	2.677	12.7	19.5
8 29	0 11.72	− 9 39.8	1.735	2.685	9.1	19.4
9 8	0 4.51	−10 44.7	1.708	2.693	5.6	19.2
9 18	23 56.18	−11 45.4	1.706	2.701	3.9	19.1
9 28	23 47.70	−12 34.9	1.733	2.709	6.0	19.2
10 8	23 40.05	−13 7.9	1.785	2.716	9.5	19.5
10 18	23 34.03	−13 21.8	1.862	2.723	12.8	19.7
10 28	23 30.20	−13 16.1	1.960	2.730	15.6	19.9

474171 1999 TY_{193} 9 21.1 302°.63 1°.7/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.22	− 3 14.0	1.720	2.597	13.7	21.4
8 29	0 14.76	− 3 40.9	1.607	2.551	10.2	21.1
9 8	0 6.80	− 4 17.6	1.517	2.504	6.0	20.8
9 18	23 56.85	− 4 59.7	1.453	2.456	1.9	20.4
9 28	23 45.91	− 5 40.4	1.417	2.408	4.6	20.5
10 8	23 35.24	− 6 12.8	1.408	2.359	9.6	20.6
10 18	23 26.08	− 6 31.1	1.423	2.310	14.4	20.8
10 28	23 19.47	− 6 31.4	1.459	2.260	18.6	20.9

400683 2009 PK_{20} 9 21.1 29°.76 0°.3/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.27	+ 1 29.3	1.867	2.737	13.1	20.7
8 29	0 10.37	+ 1 15.9	1.806	2.744	9.6	20.5
9 8	0 3.73	+ 0 52.1	1.769	2.752	5.7	20.3
9 18	23 56.01	+ 0 21.2	1.757	2.760	1.5	20.0
9 28	23 48.10	− 0 11.6	1.773	2.769	2.9	20.2
10 8	23 40.92	− 0 41.3	1.816	2.778	6.9	20.4
10 18	23 35.25	− 1 3.5	1.885	2.787	10.6	20.7
10 28	23 31.62	− 1 14.7	1.976	2.797	13.7	20.9

321229 2009 AE_{41} 9 21.1 92°.20 2°.7/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.89	− 3 30.5	1.327	2.218	16.0	20.6
8 29	0 14.16	− 4 33.5	1.283	2.234	11.5	20.4
9 8	0 6.06	− 5 46.1	1.260	2.249	6.6	20.2
9 18	23 56.56	− 6 59.5	1.263	2.265	2.7	20.0
9 28	23 46.94	− 8 4.2	1.292	2.280	5.6	20.2
10 8	23 38.53	− 8 52.1	1.345	2.294	10.2	20.5
10 18	23 32.29	− 9 19.1	1.422	2.309	14.4	20.8
10 28	23 28.82	− 9 23.9	1.519	2.323	17.9	21.1

365835 2011 TA_{17} 9 21.1 299°.15 3°.3/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.84	− 4 26.2	1.763	2.656	12.7	20.9
8 29	0 8.22	− 6 5.3	1.681	2.634	9.1	20.6
9 8	0 2.68	− 7 56.5	1.623	2.612	5.4	20.4
9 18	23 55.80	− 9 51.6	1.592	2.590	3.3	20.2
9 28	23 48.47	−11 40.3	1.589	2.568	6.0	20.3
10 8	23 41.67	−13 13.2	1.612	2.546	10.0	20.5
10 18	23 36.32	−14 23.5	1.660	2.525	13.9	20.7
10 28	23 33.12	−15 7.8	1.727	2.504	17.1	20.9

213035 1997 WV_5 9 21.1 41°.66 1°.6/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 13.97	+ 6 48.3	1.887	2.741	13.7	20.3
8 29	0 9.49	+ 6 17.7	1.817	2.743	10.4	20.0
9 8	0 3.26	+ 5 31.0	1.769	2.745	6.5	19.8
9 18	23 55.91	+ 4 31.7	1.747	2.747	2.6	19.6
9 28	23 48.30	+ 3 25.4	1.753	2.749	2.8	19.6
10 8	23 41.36	+ 2 19.1	1.786	2.752	6.7	19.9
10 18	23 35.85	+ 1 19.4	1.846	2.754	10.4	20.1
10 28	23 32.38	+ 0 31.5	1.928	2.756	13.7	20.3

389029 2008 UF_{322} 9 21.1 264°.41 2°.6/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.91	+ 8 8.5	1.841	2.686	14.4	21.3
8 29	0 11.86	+ 8 0.8	1.753	2.672	11.1	21.0
9 8	0 4.79	+ 7 36.2	1.687	2.657	7.3	20.8
9 18	23 56.31	+ 6 56.4	1.646	2.643	3.6	20.5
9 28	23 47.34	+ 6 5.8	1.633	2.628	3.3	20.5
10 8	23 38.94	+ 5 10.7	1.647	2.612	7.1	20.7
10 18	23 32.05	+ 4 17.9	1.687	2.597	11.1	20.9
10 28	23 27.40	+ 3 33.8	1.750	2.581	14.7	21.1

134292 2006 DF_8 9 21.1 121°.70 0°.7/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.69	+ 2 20.4	1.413	2.283	16.5	19.8
8 29	0 16.26	+ 2 13.0	1.355	2.292	12.2	19.6
9 8	0 7.36	+ 1 51.3	1.318	2.300	7.3	19.3
9 18	23 56.89	+ 1 19.5	1.305	2.308	2.1	19.0
9 28	23 46.16	+ 0 43.6	1.320	2.316	3.5	19.2
10 8	23 36.52	+ 0 10.6	1.360	2.323	8.6	19.5
10 18	23 29.04	− 0 13.4	1.425	2.330	13.1	19.8
10 28	23 24.41	− 0 24.4	1.511	2.337	16.9	20.0

509780 2008 UF_{174} 9 21.1 251°.53 1°.2/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.45	− 1 56.7	1.986	2.859	12.4	22.2
8 29	0 12.07	− 2 31.9	1.902	2.844	9.0	22.0
9 8	0 4.83	− 3 16.1	1.842	2.828	5.2	21.7
9 18	23 56.31	− 4 4.7	1.809	2.812	1.5	21.4
9 28	23 47.38	− 4 52.0	1.805	2.796	3.7	21.6
10 8	23 39.02	− 5 32.0	1.828	2.779	7.8	21.8
10 18	23 32.07	− 6 0.2	1.877	2.762	11.5	22.0
10 28	23 27.20	− 6 13.7	1.949	2.745	14.8	22.2

513451 2008 XC_{49} 9 21.1 233°.07 6°.1/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.60	−16 11.9	2.063	2.952	11.3	21.7
8 29	0 11.36	−17 33.9	2.000	2.942	8.6	21.5
9 8	0 4.35	−18 53.7	1.963	2.933	6.5	21.4
9 18	23 56.18	−20 3.7	1.952	2.922	6.3	21.4
9 28	23 47.72	−20 56.7	1.968	2.912	8.1	21.5
10 8	23 39.91	−21 28.1	2.010	2.900	10.8	21.6
10 18	23 33.53	−21 36.2	2.076	2.889	13.5	21.8
10 28	23 29.19	−21 21.6	2.161	2.877	15.9	21.9

149057 2002 CC_{30} 9 21.1 102°.28 4°.0/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.62	−11 52.3	2.297	3.183	10.4	20.0
8 29	0 10.29	−12 51.2	2.253	3.198	7.6	19.8
9 8	0 3.53	−13 49.5	2.234	3.214	5.0	19.7
9 18	23 55.96	−14 41.5	2.242	3.229	4.1	19.7
9 28	23 48.31	−15 22.1	2.279	3.243	5.7	19.8
10 8	23 41.35	−15 47.6	2.344	3.258	8.4	20.0
10 18	23 35.68	−15 56.5	2.433	3.272	10.9	20.2
10 28	23 31.76	−15 48.8	2.544	3.286	13.1	20.4

285453 1999 XK_{138} 9 21.1 245°.07 1°.9/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.43	+ 7 45.6	2.065	2.908	13.1	21.3
8 29	0 10.57	+ 7 19.6	1.977	2.896	10.0	21.0
9 8	0 3.94	+ 6 37.7	1.912	2.883	6.5	20.8
9 18	23 56.11	+ 5 42.2	1.872	2.871	2.9	20.6
9 28	23 47.90	+ 4 38.0	1.862	2.857	2.8	20.5
10 8	23 40.20	+ 3 31.4	1.879	2.843	6.5	20.7
10 18	23 33.84	+ 2 28.9	1.923	2.829	10.2	20.9
10 28	23 29.44	+ 1 36.3	1.991	2.815	13.5	21.1

412240 2013 HU_{21} 9 21.1 62°.88 2°.1/18.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.43	− 4 25.8	2.074	2.957	11.5	21.7
8 29	0 8.86	− 5 22.0	2.022	2.970	8.2	21.6
9 8	0 2.78	− 6 24.1	1.994	2.982	4.7	21.4
9 18	23 55.79	− 7 26.3	1.993	2.994	2.2	21.2
9 28	23 48.69	− 8 22.6	2.021	3.007	4.2	21.4
10 8	23 42.26	− 9 7.8	2.076	3.019	7.6	21.6
10 18	23 37.15	− 9 38.5	2.157	3.032	10.7	21.9
10 28	23 33.85	− 9 53.0	2.260	3.044	13.4	22.1

63653 2001 QQ_{109} 9 21.1 38°.56 5°.3/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.89	−10 36.9	1.180	2.086	16.5	17.8
8 29	0 14.35	−11 21.6	1.143	2.100	12.0	17.6
9 8	0 6.23	−12 6.4	1.127	2.114	7.6	17.4
9 18	23 56.61	−12 42.4	1.135	2.129	5.3	17.4
9 28	23 46.97	−13 1.4	1.166	2.145	7.8	17.5
10 8	23 38.71	−12 58.8	1.221	2.161	12.0	17.8
10 18	23 32.85	−12 34.0	1.297	2.178	16.0	18.1
10 28	23 29.95	−11 48.6	1.392	2.195	19.3	18.4

14310 Shuttleworth 9 21.1 128°.00 1°.1/19.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 17.09	− 1 37.5	2.111	2.981	11.8	18.6
8 29	0 11.49	− 2 16.6	2.052	2.993	8.5	18.4
9 8	0 4.30	− 3 3.4	2.018	3.004	4.9	18.2
9 18	23 56.16	− 3 53.3	2.012	3.015	1.3	18.0
9 28	23 47.88	− 4 40.8	2.034	3.025	3.3	18.2
10 8	23 40.30	− 5 20.8	2.085	3.035	7.0	18.4
10 18	23 34.11	− 5 49.7	2.162	3.045	10.3	18.7
10 28	23 29.83	− 6 5.1	2.262	3.054	13.1	18.9

385311 2001 XP_{200} 9 21.1 321°.18 2°.4/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.17	+ 6 11.3	1.355	2.228	16.9	20.5
8 29	0 11.16	+ 6 9.1	1.277	2.212	13.0	20.2
9 8	0 4.64	+ 5 47.5	1.218	2.197	8.4	19.9
9 18	23 56.33	+ 5 8.7	1.182	2.182	3.6	19.6
9 28	23 47.41	+ 4 18.5	1.171	2.168	3.7	19.6
10 8	23 39.22	+ 3 25.1	1.185	2.155	8.7	19.8
10 18	23 32.99	+ 2 37.1	1.222	2.142	13.6	20.1
10 28	23 29.58	+ 2 1.7	1.279	2.130	17.9	20.3

322137 2010 VV_{192} 9 21.1 293°.51 1°.9/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 8.05	+10 35.5	4.276	5.086	7.5	20.6
8 29	0 4.43	+10 28.1	4.185	5.080	5.8	20.5
9 8	0 0.03	+10 12.5	4.118	5.073	4.0	20.4
9 18	23 55.15	+ 9 49.7	4.080	5.067	2.4	20.2
9 28	23 50.13	+ 9 21.4	4.071	5.060	2.0	20.2
10 8	23 45.36	+ 8 49.9	4.092	5.054	3.4	20.3
10 18	23 41.16	+ 8 17.5	4.142	5.048	5.2	20.4
10 28	23 37.84	+ 7 47.0	4.219	5.041	6.9	20.6

141630 2002 JY_{48} 9 21.1 100°.33 2°.8/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.95	+ 8 50.6	1.472	2.324	17.0	19.9
8 29	0 13.45	+ 8 30.4	1.414	2.337	13.0	19.7
9 8	0 5.69	+ 7 49.0	1.378	2.350	8.4	19.4
9 18	23 56.52	+ 6 49.9	1.366	2.363	4.0	19.2
9 28	23 47.14	+ 5 40.1	1.380	2.375	3.6	19.2
10 8	23 38.76	+ 4 28.5	1.420	2.387	7.8	19.5
10 18	23 32.37	+ 3 23.3	1.486	2.399	12.1	19.8
10 28	23 28.59	+ 2 31.5	1.573	2.411	15.8	20.1

190458 2000 BG_{40} 9 21.1 24°.27 1°.1/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 7.66	− 5 0.7	4.142	5.013	6.5	19.7
8 29	0 4.12	− 5 31.2	4.073	5.015	4.6	19.6
9 8	23 59.84	− 6 4.2	4.031	5.017	2.6	19.4
9 18	23 55.10	− 6 37.4	4.018	5.019	1.1	19.3
9 28	23 50.27	− 7 8.4	4.035	5.021	2.3	19.4
10 8	23 45.71	− 7 34.9	4.082	5.023	4.2	19.5
10 18	23 41.76	− 7 54.9	4.156	5.025	6.1	19.7
10 28	23 38.70	− 8 7.2	4.256	5.027	7.8	19.8

305355 2008 BU_{18} 9 21.1 282°.74 1°.8/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.25	− 2 47.7	1.915	2.796	12.3	20.7
8 29	0 9.72	− 3 39.8	1.842	2.789	8.9	20.5
9 8	0 3.44	− 4 40.7	1.794	2.782	5.1	20.2
9 18	23 56.00	− 5 45.0	1.773	2.775	1.8	20.0
9 28	23 48.25	− 6 45.7	1.779	2.768	4.2	20.1
10 8	23 41.13	− 7 36.7	1.812	2.761	8.1	20.4
10 18	23 35.42	− 8 13.1	1.871	2.754	11.7	20.6
10 28	23 31.73	− 8 32.4	1.951	2.747	14.8	20.8

64078 2001 SO_{279} 9 21.1 264°.55 0°.6/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.63	+ 3 1.3	1.717	2.583	14.3	19.3
8 29	0 12.49	+ 2 39.6	1.634	2.569	10.7	19.1
9 8	0 5.21	+ 2 3.7	1.573	2.555	6.5	18.8
9 18	23 56.45	+ 1 17.1	1.537	2.540	1.9	18.5
9 28	23 47.20	+ 0 25.7	1.529	2.525	3.2	18.5
10 8	23 38.57	− 0 23.6	1.548	2.510	7.8	18.8
10 18	23 31.58	− 1 4.6	1.592	2.495	12.1	19.0
10 28	23 26.95	− 1 32.1	1.658	2.479	15.9	19.2

362702 2011 UP_{163} 9 21.1 25°.11 0°.2/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.35	+ 0 59.8	1.131	2.022	18.2	20.4
8 29	0 14.33	+ 0 38.8	1.075	2.025	13.4	20.2
9 8	0 6.46	+ 0 1.5	1.039	2.027	7.9	19.9
9 18	23 56.75	− 0 46.1	1.026	2.030	1.8	19.5
9 28	23 46.65	− 1 35.5	1.037	2.033	4.3	19.7
10 8	23 37.76	− 2 17.3	1.071	2.036	10.1	20.0
10 18	23 31.30	− 2 44.6	1.128	2.040	15.2	20.3
10 28	23 28.05	− 2 53.2	1.203	2.044	19.4	20.6

418903 2009 BB_{48} 9 21.1 149°.71 2°.2/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.79	+ 6 26.0	1.463	2.322	16.7	20.9
8 29	0 14.91	+ 6 15.0	1.399	2.327	12.7	20.7
9 8	0 6.62	+ 5 45.4	1.356	2.332	8.0	20.5
9 18	23 56.77	+ 5 0.4	1.336	2.336	3.3	20.2
9 28	23 46.58	+ 4 6.1	1.344	2.340	3.5	20.2
10 8	23 37.35	+ 3 10.7	1.378	2.343	8.2	20.5
10 18	23 30.16	+ 2 21.8	1.436	2.346	12.7	20.8
10 28	23 25.71	+ 1 45.6	1.516	2.349	16.5	21.0

200203 1999 SJ_{15} 9 21.1 339°.86 11°.1/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 14.24	+23 16.9	1.376	2.171	20.9	19.0
8 29	0 10.72	+24 31.2	1.297	2.158	18.2	18.8
9 8	0 4.53	+25 15.8	1.235	2.145	15.2	18.6
9 18	23 56.34	+25 25.3	1.192	2.134	12.6	18.4
9 28	23 47.39	+24 58.1	1.170	2.124	11.1	18.3
10 8	23 39.15	+23 58.8	1.170	2.115	11.8	18.3
10 18	23 32.97	+22 37.1	1.191	2.107	14.2	18.4
10 28	23 29.82	+21 6.1	1.233	2.101	17.3	18.6

138305 2000 GV_{57} 9 21.1 176°.93 0°.6/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.92	− 0 37.1	2.144	3.011	11.8	20.3
8 29	0 11.44	− 1 3.9	2.074	3.012	8.6	20.1
9 8	0 4.34	− 1 39.0	2.028	3.013	4.9	19.8
9 18	23 56.21	− 2 18.5	2.010	3.014	1.1	19.6
9 28	23 47.85	− 2 57.7	2.020	3.014	3.0	19.7
10 8	23 40.10	− 3 31.6	2.059	3.014	6.8	20.0
10 18	23 33.71	− 3 56.4	2.125	3.014	10.2	20.2
10 28	23 29.21	− 4 9.2	2.213	3.013	13.1	20.4

387923 2005 BQ_{16} 9 21.1 184°.25 6°.4/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.16	+18 30.9	2.042	2.825	15.3	20.7
8 29	0 13.36	+19 4.3	1.961	2.825	12.7	20.5
9 8	0 5.61	+19 17.0	1.901	2.825	9.9	20.3
9 18	23 56.54	+19 7.8	1.865	2.825	7.4	20.1
9 28	23 47.06	+18 38.1	1.855	2.824	6.4	20.1
10 8	23 38.19	+17 52.3	1.873	2.823	7.7	20.2
10 18	23 30.83	+16 57.0	1.917	2.822	10.3	20.3
10 28	23 25.66	+15 59.7	1.984	2.821	13.0	20.5

209781 2005 GB_{3} 9 21.1 157°.15 2°.6/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.84	− 6 53.3	1.959	2.839	12.1	20.6
8 29	0 12.94	− 7 23.0	1.896	2.842	8.8	20.4
9 8	0 5.25	− 7 56.3	1.858	2.844	5.2	20.1
9 18	23 56.44	− 8 28.1	1.846	2.845	2.6	20.0
9 28	23 47.42	− 8 53.2	1.863	2.847	4.7	20.1
10 8	23 39.15	− 9 7.2	1.907	2.848	8.2	20.3
10 18	23 32.42	− 9 7.6	1.977	2.850	11.6	20.6
10 28	23 27.79	− 8 53.3	2.068	2.851	14.5	20.8

342323 2008 TL_{89} 9 21.1 69°.00 0°.5/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.51	+ 3 24.9	1.588	2.459	15.0	20.5
8 29	0 11.52	+ 2 51.0	1.532	2.470	11.1	20.3
9 8	0 4.52	+ 2 2.3	1.498	2.481	6.6	20.0
9 18	23 56.27	+ 1 3.5	1.489	2.492	1.8	19.8
9 28	23 47.82	+ 0 1.9	1.506	2.503	3.2	19.9
10 8	23 40.27	− 0 55.1	1.551	2.514	7.7	20.2
10 18	23 34.48	− 1 41.3	1.620	2.525	11.8	20.5
10 28	23 31.05	− 2 12.3	1.711	2.536	15.3	20.7

489131 2006 DQ_{94} 9 21.1 230°.88 0°.5/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.04	+ 6 17.4	2.540	3.387	10.9	21.3
8 29	0 7.03	+ 5 2.0	2.457	3.382	8.1	21.1
9 8	0 1.73	+ 3 32.4	2.400	3.378	4.9	20.9
9 18	23 55.60	+ 1 52.8	2.371	3.373	1.5	20.6
9 28	23 49.26	+ 0 9.2	2.372	3.368	2.2	20.7
10 8	23 43.35	− 1 31.5	2.404	3.363	5.6	20.9
10 18	23 38.47	− 3 3.4	2.464	3.358	8.8	21.1
10 28	23 35.09	− 4 21.6	2.550	3.353	11.5	21.3

509934 2009 PF_{19} 9 21.1 336°.29 0°.1/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.24	+ 0 54.2	1.154	2.050	17.6	21.3
8 29	0 11.47	+ 0 45.1	1.085	2.037	13.1	21.0
9 8	0 4.94	+ 0 20.4	1.036	2.024	7.8	20.7
9 18	23 56.44	− 0 15.5	1.009	2.013	1.9	20.3
9 28	23 47.35	− 0 54.8	1.006	2.003	4.2	20.4
10 8	23 39.19	− 1 29.0	1.026	1.994	10.0	20.7
10 18	23 33.27	− 1 50.7	1.067	1.985	15.3	21.0
10 28	23 30.47	− 1 55.0	1.127	1.979	19.7	21.2

38043 1998 SB_{26} 9 21.1 13°.20 6°.4/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.90	−15 15.8	1.257	2.159	16.0	16.8
8 29	0 15.83	−15 29.6	1.212	2.164	12.0	16.6
9 8	0 7.14	−15 37.2	1.188	2.169	8.2	16.4
9 18	23 56.89	−15 31.1	1.188	2.176	6.5	16.4
9 28	23 46.55	−15 5.8	1.212	2.184	8.5	16.5
10 8	23 37.55	−14 19.2	1.259	2.193	12.3	16.7
10 18	23 30.97	−13 13.0	1.329	2.203	16.0	17.0
10 28	23 27.40	−11 50.3	1.418	2.215	19.3	17.3

163038 2001 XP_{181} 9 21.1 9°.54 5°.5/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.11	− 7 38.5	0.973	1.893	17.8	18.8
8 29	0 10.72	− 8 57.8	0.929	1.894	12.9	18.5
9 8	0 4.43	−10 24.6	0.905	1.896	7.9	18.2
9 18	23 56.29	−11 46.3	0.902	1.899	5.5	18.1
9 28	23 47.84	−12 49.7	0.922	1.903	8.7	18.3
10 8	23 40.71	−13 25.4	0.962	1.909	13.6	18.6
10 18	23 36.09	−13 30.2	1.022	1.915	18.2	18.9
10 28	23 34.68	−13 5.0	1.099	1.922	22.0	19.2

99466 2002 CN_{96} 9 21.1 50°.20 5°.4/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 12.27	−10 12.5	1.777	2.676	12.2	18.6
8 29	0 8.20	−12 30.7	1.747	2.700	8.8	18.5
9 8	0 2.46	−14 49.2	1.742	2.724	6.0	18.4
9 18	23 55.76	−16 57.6	1.766	2.748	5.6	18.4
9 28	23 49.00	−18 46.2	1.817	2.772	7.8	18.6
10 8	23 43.04	−20 8.6	1.895	2.797	10.7	18.8
10 18	23 38.60	−21 2.7	1.996	2.821	13.5	19.0
10 28	23 36.14	−21 29.3	2.116	2.846	15.8	19.3

62491 2000 SN_{224} 9 21.1 202°.39 2°.9/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.28	− 7 19.6	2.045	2.923	11.8	19.4
8 29	0 13.26	− 7 59.7	1.975	2.920	8.5	19.2
9 8	0 5.46	− 8 43.6	1.931	2.916	5.1	19.0
9 18	23 56.50	− 9 25.8	1.913	2.911	2.9	18.8
9 28	23 47.29	−10 0.6	1.925	2.906	4.9	19.0
10 8	23 38.75	−10 23.5	1.964	2.901	8.4	19.2
10 18	23 31.68	−10 31.6	2.029	2.895	11.7	19.4
10 28	23 26.67	−10 23.8	2.116	2.888	14.5	19.5

395105 2009 RK_{64} 9 21.1 319°.01 1°.1/18.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 9.10	− 5 35.3	4.106	4.976	6.6	21.2
8 29	0 5.18	− 5 55.9	4.032	4.973	4.7	21.1
9 8	0 0.47	− 6 18.7	3.984	4.970	2.7	21.0
9 18	23 55.29	− 6 41.5	3.966	4.967	1.2	20.8
9 28	23 50.01	− 7 2.0	3.978	4.964	2.3	20.9
10 8	23 44.99	− 7 18.2	4.020	4.961	4.3	21.1
10 18	23 40.60	− 7 28.2	4.089	4.958	6.2	21.2
10 28	23 37.13	− 7 31.0	4.184	4.955	7.9	21.3

64039 2001 SG_{223} 9 21.1 246°.66 0°.2/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.57	+ 0 43.7	1.817	2.685	13.5	20.6
8 29	0 13.07	+ 0 17.1	1.734	2.672	10.0	20.4
9 8	0 5.52	− 0 21.0	1.675	2.659	5.9	20.1
9 18	23 56.56	− 1 6.7	1.642	2.645	1.4	19.8
9 28	23 47.14	− 1 54.1	1.637	2.631	3.3	19.9
10 8	23 38.36	− 2 36.9	1.659	2.617	7.8	20.1
10 18	23 31.13	− 3 9.7	1.707	2.602	11.9	20.4
10 28	23 26.20	− 3 28.5	1.777	2.587	15.4	20.6

193411 2000 WR_{53} 9 21.1 269°.29 5°.5/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.33	−13 4.2	1.756	2.648	12.7	20.7
8 29	0 12.92	−14 4.7	1.688	2.635	9.5	20.5
9 8	0 5.42	−15 5.3	1.643	2.622	6.5	20.3
9 18	23 56.52	−15 58.2	1.624	2.609	5.5	20.2
9 28	23 47.25	−16 35.9	1.632	2.596	7.6	20.3
10 8	23 38.72	−16 53.2	1.665	2.582	11.0	20.5
10 18	23 31.87	−16 47.9	1.722	2.568	14.3	20.6
10 28	23 27.39	−16 20.6	1.798	2.554	17.3	20.8

72577 2001 ER_{18} 9 21.1 51°.70 0°.9/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.41	+ 1 4.6	1.585	2.453	15.2	18.7
8 29	0 15.82	+ 1 23.5	1.528	2.464	11.2	18.5
9 8	0 7.03	+ 1 32.3	1.493	2.475	6.7	18.2
9 18	23 56.88	+ 1 33.1	1.483	2.486	2.0	18.0
9 28	23 46.53	+ 1 30.1	1.501	2.497	3.2	18.1
10 8	23 37.18	+ 1 27.6	1.546	2.509	7.8	18.4
10 18	23 29.79	+ 1 29.8	1.617	2.521	11.9	18.7
10 28	23 24.98	+ 1 39.8	1.709	2.533	15.3	18.9

81149 2000 ED_{146} 9 21.1 52°.28 0°.7/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.56	+ 1 38.9	1.262	2.142	17.5	18.3
8 29	0 15.48	+ 1 40.2	1.218	2.160	12.8	18.1
9 8	0 6.90	+ 1 27.4	1.194	2.179	7.6	17.8
9 18	23 56.85	+ 1 4.8	1.194	2.198	2.1	17.5
9 28	23 46.70	+ 0 38.7	1.220	2.217	3.6	17.7
10 8	23 37.85	+ 0 15.9	1.271	2.236	8.8	18.1
10 18	23 31.31	+ 0 1.9	1.346	2.256	13.3	18.4
10 28	23 27.69	+ 0 0.3	1.440	2.276	17.1	18.7

114563 2003 BM_{55} 9 21.1 275°.57 0°.1/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.89	+ 1 57.1	1.610	2.484	14.7	20.0
8 29	0 12.09	+ 1 24.3	1.528	2.468	10.9	19.8
9 8	0 5.06	+ 0 36.8	1.468	2.452	6.5	19.5
9 18	23 56.47	− 0 21.1	1.433	2.436	1.6	19.1
9 28	23 47.36	− 1 22.5	1.425	2.420	3.5	19.2
10 8	23 38.90	− 2 19.5	1.443	2.404	8.4	19.5
10 18	23 32.14	− 3 5.1	1.486	2.387	12.9	19.7
10 28	23 27.86	− 3 34.5	1.550	2.371	16.8	19.9

481395 2006 SP_{38} 9 21.1 336°.19 2°.2/23.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.91	+ 7 9.5	1.803	2.656	14.3	21.7
8 29	0 10.34	+ 6 57.6	1.728	2.653	10.9	21.5
9 8	0 3.87	+ 6 29.4	1.676	2.650	7.0	21.3
9 18	23 56.16	+ 5 47.6	1.648	2.647	3.2	21.0
9 28	23 48.11	+ 4 56.9	1.648	2.644	3.1	21.0
10 8	23 40.72	+ 4 3.9	1.675	2.641	6.9	21.2
10 18	23 34.85	+ 3 15.0	1.727	2.639	10.8	21.5
10 28	23 31.13	+ 2 35.9	1.802	2.637	14.2	21.7

143759 2003 WC_{11} 9 21.1 217°.62 1°.1/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 20.50	+ 3 35.0	1.615	2.478	15.2	20.5
8 29	0 14.64	+ 3 24.0	1.541	2.474	11.4	20.2
9 8	0 6.49	+ 2 58.7	1.488	2.469	7.0	19.9
9 18	23 56.80	+ 2 22.1	1.461	2.463	2.3	19.6
9 28	23 46.68	+ 1 39.8	1.461	2.457	3.2	19.7
10 8	23 37.34	+ 0 58.5	1.488	2.451	8.0	20.0
10 18	23 29.83	+ 0 24.5	1.540	2.445	12.4	20.2
10 28	23 24.89	+ 0 2.7	1.614	2.438	16.1	20.4

5392 Parker 9 21.1 206°.96 9°.3/10.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.47	−29 49.6	2.279	3.131	11.7	17.7
8 29	0 17.76	−31 7.7	2.229	3.124	10.2	17.6
9 8	0 8.07	−32 12.4	2.203	3.115	9.3	17.5
9 18	23 57.14	−32 56.1	2.203	3.106	9.7	17.5
9 28	23 46.00	−33 13.1	2.228	3.095	11.0	17.6
10 8	23 35.70	−33 1.7	2.278	3.084	12.8	17.7
10 18	23 27.13	−32 23.4	2.350	3.071	14.7	17.8
10 28	23 20.89	−31 22.0	2.439	3.057	16.4	17.9

277817 2006 GT 9 21.1 257°.13 4°.3/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.89	−15 2.4	2.491	3.365	10.1	21.2
8 29	0 14.18	−15 21.5	2.418	3.355	7.6	21.0
9 8	0 5.90	−15 37.4	2.370	3.344	5.2	20.8
9 18	23 56.62	−15 45.7	2.350	3.333	4.3	20.8
9 28	23 47.13	−15 42.5	2.360	3.322	5.7	20.8
10 8	23 38.24	−15 25.7	2.398	3.311	8.3	21.0
10 18	23 30.65	−14 54.5	2.463	3.299	10.9	21.1
10 28	23 24.90	−14 9.5	2.550	3.288	13.2	21.3

188138 2002 CF_{302} 9 21.1 104°.94 3°.9/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.26	−11 5.6	2.371	3.257	10.1	20.4
8 29	0 9.31	−12 20.0	2.327	3.273	7.3	20.2
9 8	0 3.01	−13 34.5	2.309	3.289	4.8	20.1
9 18	23 55.92	−14 43.2	2.319	3.305	4.0	20.1
9 28	23 48.74	−15 40.4	2.358	3.320	5.7	20.2
10 8	23 42.19	−16 22.1	2.424	3.336	8.2	20.4
10 18	23 36.86	−16 46.4	2.515	3.351	10.7	20.6
10 28	23 33.18	−16 52.8	2.628	3.365	12.9	20.8

37297 2001 BQ_{77} 9 21.1 223°.84 4°.0/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 7.65	+25 2.9	4.855	5.560	8.0	19.3
8 29	0 4.13	+25 2.6	4.758	5.557	6.9	19.2
9 8	23 59.88	+24 50.6	4.683	5.553	5.7	19.1
9 18	23 55.17	+24 27.2	4.633	5.550	4.6	19.1
9 28	23 50.34	+23 53.2	4.610	5.546	4.0	19.0
10 8	23 45.74	+23 10.5	4.615	5.543	4.2	19.0
10 18	23 41.68	+22 21.7	4.649	5.539	5.1	19.1
10 28	23 38.47	+21 29.6	4.709	5.535	6.2	19.2

169743 2002 OK_{13} 9 21.1 6°.08 2°.4/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 8.58	− 0 14.9	1.269	2.173	15.8	19.1
8 29	0 6.19	− 1 59.0	1.215	2.174	11.3	18.8
9 8	0 1.62	− 4 0.5	1.183	2.175	6.3	18.5
9 18	23 55.63	− 6 8.5	1.175	2.178	2.5	18.3
9 28	23 49.36	− 8 9.6	1.193	2.182	5.7	18.5
10 8	23 43.98	− 9 51.6	1.234	2.187	10.6	18.8
10 18	23 40.44	−11 6.5	1.298	2.193	14.9	19.1
10 28	23 39.37	−11 51.0	1.382	2.200	18.6	19.4

138277 2000 GT_{23} 9 21.1 244°.98 0°.1/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.25	+ 0 54.5	1.937	2.805	12.8	20.0
8 29	0 11.17	+ 0 28.7	1.864	2.802	9.4	19.8
9 8	0 4.30	− 0 7.7	1.815	2.799	5.5	19.6
9 18	23 56.27	− 0 50.8	1.792	2.796	1.3	19.3
9 28	23 47.94	− 1 35.2	1.798	2.793	3.0	19.4
10 8	23 40.27	− 2 15.2	1.831	2.790	7.1	19.7
10 18	23 34.04	− 2 46.0	1.890	2.786	10.9	19.9
10 28	23 29.86	− 3 4.3	1.972	2.783	14.1	20.1

266117 2006 SK_{317} 9 21.1 154°.33 1°.6/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.47	− 1 45.3	1.548	2.430	14.7	20.8
8 29	0 13.09	− 2 33.7	1.487	2.433	10.6	20.6
9 8	0 5.52	− 3 33.0	1.448	2.436	6.1	20.3
9 18	23 56.57	− 4 36.8	1.435	2.438	1.8	20.0
9 28	23 47.33	− 5 37.0	1.449	2.441	4.5	20.2
10 8	23 38.98	− 6 26.1	1.490	2.443	9.0	20.5
10 18	23 32.49	− 6 59.1	1.554	2.444	13.2	20.8
10 28	23 28.51	− 7 13.0	1.640	2.446	16.7	21.0

291477 2006 DC_{90} 9 21.1 48°.51 0°.6/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.32	+ 1 2.9	1.476	2.359	15.2	20.5
8 29	0 10.74	+ 0 14.3	1.426	2.372	11.0	20.3
9 8	0 4.10	− 0 47.8	1.399	2.386	6.3	20.1
9 18	23 56.21	− 1 56.9	1.397	2.401	1.4	19.8
9 28	23 48.17	− 3 4.8	1.421	2.415	3.8	20.0
10 8	23 41.10	− 4 3.3	1.471	2.430	8.4	20.3
10 18	23 35.85	− 4 46.8	1.545	2.446	12.6	20.6
10 28	23 33.01	− 5 11.7	1.640	2.461	16.0	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
154968 2004 TV_{265}			9 21.1 155°.53		0°.7/21.9 18	
	h m	° ′			°	m
8 19	0 13.60	+ 4 9.4	2.544	3.394	10.7	20.5
8 29	0 8.85	+ 3 39.3	2.472	3.398	8.0	20.3
9 8	0 2.78	+ 2 58.8	2.424	3.402	4.8	20.1
9 18	23 55.89	+ 2 10.9	2.403	3.405	1.5	19.9
9 28	23 48.82	+ 1 19.8	2.412	3.408	2.2	19.9
10 8	23 42.25	+ 0 30.2	2.451	3.411	5.4	20.2
10 18	23 36.75	− 0 13.7	2.516	3.414	8.5	20.4
10 28	23 32.80	− 0 48.5	2.607	3.416	11.1	20.5
441734 2009 BR_{81}			9 21.1 245°.21		5°.0/25.8 18	
8 19	0 18.20	+14 25.1	2.041	2.848	14.5	21.5
8 29	0 12.71	+14 46.8	1.953	2.840	11.8	21.3
9 8	0 5.29	+14 50.2	1.886	2.830	8.7	21.1
9 18	23 56.54	+14 35.0	1.844	2.821	5.9	20.9
9 28	23 47.33	+14 3.2	1.830	2.811	5.1	20.9
10 8	23 38.65	+13 19.3	1.842	2.802	7.1	21.0
10 18	23 31.41	+12 29.6	1.882	2.791	10.2	21.2
10 28	23 26.29	+11 41.0	1.945	2.781	13.3	21.3
133256 2003 RH_{18}			9 21.1 122°.61		5°.1/25.7 18	
8 19	0 20.82	+13 56.3	1.925	2.734	15.2	19.8
8 29	0 14.57	+14 29.3	1.853	2.741	12.2	19.7
9 8	0 6.32	+14 43.9	1.803	2.748	9.0	19.5
9 18	23 56.77	+14 39.6	1.778	2.755	6.1	19.3
9 28	23 46.88	+14 18.4	1.780	2.762	5.2	19.3
10 8	23 37.72	+13 45.0	1.810	2.768	7.3	19.4
10 18	23 30.18	+13 5.7	1.866	2.774	10.3	19.6
10 28	23 24.92	+12 27.0	1.946	2.780	13.3	19.8
490109 2008 UW_{41}			9 21.1 353°.61		3°.4/25.3 17	
8 19	0 11.38	+12 49.6	2.231	3.053	13.0	21.2
8 29	0 7.49	+12 34.3	2.151	3.051	10.3	21.0
9 8	0 2.10	+12 1.5	2.093	3.049	7.3	20.9
9 18	23 55.74	+11 12.8	2.061	3.047	4.4	20.7
9 28	23 49.13	+10 12.0	2.056	3.046	3.6	20.6
10 8	23 43.03	+ 9 4.8	2.079	3.045	5.8	20.8
10 18	23 38.12	+ 7 57.2	2.130	3.045	8.9	21.0
10 28	23 34.93	+ 6 55.4	2.204	3.044	11.7	21.1
201896 2004 BX_{25}			9 21.1 131°.42		4°.7/26.0 18	
8 19	0 17.90	+14 43.5	2.109	2.913	14.2	20.3
8 29	0 12.29	+14 58.5	2.035	2.920	11.5	20.2
9 8	0 4.92	+14 55.1	1.984	2.927	8.4	20.0
9 18	23 56.43	+14 33.8	1.957	2.933	5.7	19.9
9 28	23 47.65	+13 56.9	1.958	2.940	4.8	19.8
10 8	23 39.52	+13 9.6	1.987	2.946	6.6	19.9
10 18	23 32.81	+12 18.0	2.042	2.951	9.5	20.1
10 28	23 28.12	+11 28.2	2.122	2.957	12.3	20.3
144004 2004 AH_{7}			9 21.1 255°.97		3°.0/18.6 18	
8 19	0 20.23	− 6 11.8	1.608	2.494	14.0	20.6
8 29	0 14.51	− 6 53.3	1.532	2.480	10.2	20.4
9 8	0 6.47	− 7 41.4	1.479	2.466	6.1	20.1
9 18	23 56.84	− 8 29.6	1.452	2.452	3.1	19.9
9 28	23 46.72	− 9 10.3	1.452	2.437	5.6	20.0
10 8	23 37.36	− 9 37.1	1.479	2.422	9.9	20.2
10 18	23 29.81	− 9 45.9	1.529	2.407	14.1	20.4
10 28	23 24.86	− 9 35.2	1.599	2.392	17.6	20.6
161824 2006 WN_{131}			9 21.1 98°.89		5°.6/15.6 18	
8 19	0 19.55	−16 55.4	2.099	2.982	11.3	19.6
8 29	0 13.29	−17 39.9	2.054	2.993	8.6	19.4
9 8	0 5.37	−18 19.4	2.034	3.004	6.3	19.3
9 18	23 56.51	−18 48.0	2.041	3.015	5.7	19.3
9 28	23 47.58	−19 1.0	2.075	3.026	7.2	19.4
10 8	23 39.49	−18 55.6	2.135	3.036	9.7	19.6
10 18	23 32.93	−18 31.9	2.220	3.046	12.3	19.8
10 28	23 28.41	−17 51.3	2.326	3.056	14.5	20.0
478803 2012 UF_{169}			9 21.1 260°.64		6°.4/14.8 18	
8 19	0 18.16	−16 0.9	1.803	2.695	12.5	20.7
8 29	0 12.76	−17 11.4	1.740	2.684	9.5	20.5
9 8	0 5.31	−18 19.4	1.701	2.673	7.1	20.3
9 18	23 56.54	−19 16.6	1.688	2.662	6.6	20.3
9 28	23 47.44	−19 55.4	1.701	2.651	8.6	20.4
10 8	23 39.09	−20 11.1	1.739	2.640	11.6	20.5
10 18	23 32.41	−20 2.4	1.800	2.629	14.6	20.7
10 28	23 28.06	−19 30.5	1.880	2.617	17.3	20.9
84548 2002 UJ_{32}			9 21.1 254°.82		3°.5/24.3 18	
8 19	0 16.53	+10 44.4	1.615	2.458	16.2	19.7
8 29	0 11.81	+10 30.2	1.536	2.451	12.6	19.4
9 8	0 4.89	+ 9 54.1	1.478	2.444	8.6	19.2
9 18	23 56.46	+ 8 58.0	1.444	2.437	4.7	18.9
9 28	23 47.57	+ 7 47.2	1.436	2.430	4.0	18.9
10 8	23 39.40	+ 6 30.0	1.455	2.422	7.6	19.1
10 18	23 32.95	+ 5 15.2	1.498	2.414	11.8	19.3
10 28	23 28.97	+ 4 10.8	1.565	2.407	15.6	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
509966 2009 SG_{280}			9 21.1 337°.27		3°.7/18.5 18	
	h m	° ′			°	m
8 19	0 14.28	− 5 53.0	1.122	2.034	16.7	20.8
8 29	0 10.81	− 6 37.2	1.058	2.019	12.2	20.5
9 8	0 4.58	− 7 30.7	1.015	2.006	7.2	20.2
9 18	23 56.41	− 8 25.0	0.993	1.994	3.7	19.9
9 28	23 47.69	− 9 9.7	0.994	1.982	6.8	20.1
10 8	23 39.96	− 9 35.9	1.018	1.972	12.0	20.3
10 18	23 34.49	− 9 38.6	1.063	1.964	16.9	20.6
10 28	23 32.13	− 9 16.4	1.124	1.957	21.1	20.8
54159 2000 HJ_{49}			9 21.1 238°.52		1°.8/19.4 18	
8 19	0 18.51	− 3 2.3	1.806	2.684	13.1	19.8
8 29	0 13.03	− 3 46.6	1.728	2.673	9.6	19.6
9 8	0 5.51	− 4 40.0	1.674	2.661	5.5	19.3
9 18	23 56.61	− 5 37.0	1.646	2.648	1.9	19.0
9 28	23 47.29	− 6 30.6	1.646	2.635	4.4	19.2
10 8	23 38.63	− 7 14.3	1.673	2.622	8.6	19.4
10 18	23 31.56	− 7 43.3	1.726	2.608	12.5	19.6
10 28	23 26.76	− 7 54.9	1.800	2.594	15.9	19.8
510052 2010 EB_{138}			9 21.1 143°.90		0°.1/20.9 17	
8 19	0 17.92	+ 0 56.1	2.117	2.978	12.2	22.5
8 29	0 12.17	+ 0 28.0	2.052	2.987	8.9	22.3
9 8	0 4.79	− 0 9.7	2.012	2.995	5.2	22.1
9 18	23 56.40	− 0 53.0	1.999	3.003	1.2	21.9
9 28	23 47.83	− 1 37.0	2.015	3.010	2.8	22.0
10 8	23 39.94	− 2 16.6	2.060	3.017	6.6	22.3
10 18	23 33.44	− 2 47.5	2.132	3.023	10.1	22.5
10 28	23 28.88	− 3 6.7	2.227	3.029	13.0	22.7
350993 2003 GH_{42}			9 21.1 166°.96		4°.7/27.8 18	
8 19	0 15.87	+19 14.6	2.906	3.668	11.7	21.8
8 29	0 10.45	+19 19.6	2.822	3.673	9.7	21.6
9 8	0 3.72	+19 8.3	2.761	3.677	7.5	21.5
9 18	23 56.15	+18 40.8	2.725	3.681	5.6	21.4
9 28	23 48.36	+17 59.0	2.717	3.685	4.7	21.3
10 8	23 41.01	+17 6.4	2.739	3.688	5.6	21.4
10 18	23 34.70	+16 7.9	2.788	3.690	7.6	21.5
10 28	23 29.89	+15 8.7	2.865	3.692	9.7	21.7
172952 2005 KC_{3}			9 21.1 67°.03		5°.9/15.8 18	
8 19	0 19.27	−15 48.4	1.817	2.707	12.5	19.7
8 29	0 13.36	−16 38.1	1.768	2.712	9.4	19.5
9 8	0 5.55	−17 23.8	1.742	2.716	6.8	19.4
9 18	23 56.58	−17 58.3	1.742	2.721	6.0	19.3
9 28	23 47.48	−18 15.8	1.769	2.725	7.8	19.5
10 8	23 39.27	−18 12.9	1.821	2.730	10.7	19.7
10 18	23 32.77	−17 49.4	1.897	2.735	13.6	19.9
10 28	23 28.54	−17 6.8	1.993	2.740	16.1	20.1
121900 2000 DU_{37}			9 21.1 262°.87		0°.2/20.8 18	
8 19	0 13.45	+ 0 50.8	2.479	3.341	10.6	20.5
8 29	0 8.88	+ 0 16.8	2.392	3.328	7.7	20.3
9 8	0 2.89	− 0 26.2	2.330	3.313	4.5	20.0
9 18	23 55.96	− 1 15.0	2.296	3.299	1.0	19.8
9 28	23 48.74	− 2 5.0	2.290	3.285	2.6	19.9
10 8	23 41.95	− 2 51.5	2.314	3.270	6.0	20.1
10 18	23 36.22	− 3 30.1	2.365	3.255	9.2	20.2
10 28	23 32.09	− 3 57.8	2.440	3.240	12.0	20.4
291362 2006 BJ_{262}			9 21.1 83°.94		2°.0/19.6 17	
8 19	0 19.83	− 1 53.0	1.263	2.154	16.7	21.3
8 29	0 14.30	− 2 47.8	1.217	2.168	12.0	21.0
9 8	0 6.29	− 3 54.4	1.193	2.181	6.8	20.8
9 18	23 56.78	− 5 4.7	1.192	2.195	2.2	20.5
9 28	23 47.12	− 6 8.9	1.217	2.208	5.1	20.8
10 8	23 38.68	− 6 58.5	1.267	2.222	10.1	21.1
10 18	23 32.48	− 7 28.4	1.340	2.235	14.5	21.4
10 28	23 29.15	− 7 36.5	1.432	2.248	18.2	21.7
353520 2011 SS_{126}			9 21.1 339°.54		1°.9/19.4 18	
8 19	0 16.48	− 4 3.2	1.693	2.579	13.4	20.5
8 29	0 11.55	− 4 33.7	1.627	2.575	9.7	20.2
9 8	0 4.62	− 5 11.4	1.583	2.571	5.6	20.0
9 18	23 56.40	− 5 51.0	1.566	2.568	2.1	19.8
9 28	23 47.87	− 6 26.3	1.575	2.565	4.4	19.9
10 8	23 40.10	− 6 51.4	1.610	2.562	8.6	20.2
10 18	23 33.98	− 7 2.5	1.670	2.559	12.5	20.4
10 28	23 30.15	− 6 57.6	1.752	2.557	15.8	20.6
136162 2003 UR_{29}			9 21.1 311°.08		4°.6/17.9 18	
8 19	0 20.00	− 9 5.1	1.271	2.173	15.9	19.4
8 29	0 14.78	− 9 45.0	1.207	2.161	11.7	19.1
9 8	0 6.81	−10 28.7	1.163	2.150	7.2	18.8
9 18	23 56.96	−11 8.0	1.143	2.140	4.6	18.6
9 28	23 46.62	−11 34.0	1.148	2.130	7.3	18.8
10 8	23 37.29	−11 39.9	1.176	2.120	11.9	19.0
10 18	23 30.21	−11 23.3	1.227	2.110	16.4	19.2
10 28	23 26.21	−10 44.3	1.295	2.102	20.3	19.5

430216 2013 *VU* 9 21.1 357.°01 2.°0/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 13.83	− 2 51.3	0.998	1.912	18.1	20.0
8 29	0 10.59	− 3 14.4	0.945	1.906	13.2	19.7
9 8	0 4.47	− 3 49.9	0.910	1.902	7.6	19.4
9 18	23 56.40	− 4 30.5	0.896	1.899	2.3	19.1
9 28	23 47.89	− 5 6.7	0.904	1.898	5.5	19.3
10 8	23 40.57	− 5 29.6	0.934	1.899	11.2	19.6
10 18	23 35.68	− 5 33.6	0.985	1.901	16.4	19.9
10 28	23 34.03	− 5 16.2	1.053	1.905	20.8	20.2

485718 2012 BV_2 9 21.1 222.°42 3.°4/16.4 18

8 19	0 14.19	−10 31.4	2.661	3.542	9.3	22.0
8 29	0 9.31	−11 34.0	2.588	3.533	6.8	21.8
9 8	0 3.09	−12 38.2	2.542	3.523	4.4	21.6
9 18	23 56.01	−13 39.1	2.525	3.513	3.5	21.6
9 28	23 48.71	−14 31.4	2.536	3.503	5.1	21.7
10 8	23 41.85	−15 11.0	2.576	3.492	7.7	21.8
10 18	23 36.03	−15 35.5	2.642	3.480	10.2	22.0
10 28	23 31.75	−15 43.7	2.730	3.468	12.4	22.1

487092 2014 OJ_{127} 9 21.1 351.°84 5.°9/14.4 18

8 19	0 13.45	−15 31.6	1.987	2.883	11.3	20.6
8 29	0 9.10	−16 48.3	1.934	2.880	8.6	20.4
9 8	0 3.08	−18 2.4	1.905	2.878	6.4	20.3
9 18	23 56.01	−19 6.8	1.903	2.877	6.0	20.3
9 28	23 48.74	−19 54.6	1.927	2.876	7.9	20.4
10 8	23 42.14	−20 21.4	1.976	2.875	10.5	20.5
10 18	23 36.95	−20 25.8	2.049	2.874	13.2	20.7
10 28	23 33.72	−20 8.5	2.140	2.874	15.5	20.9

511310 2014 DO_{98} 9 21.1 137.°11 0.°8/21.9 18

8 19	0 16.93	+ 4 6.8	2.075	2.929	12.7	22.1
8 29	0 11.51	+ 3 41.0	2.009	2.937	9.4	21.9
9 8	0 4.44	+ 3 2.9	1.966	2.945	5.7	21.7
9 18	23 56.34	+ 2 16.1	1.951	2.952	1.8	21.4
9 28	23 48.04	+ 1 25.5	1.964	2.960	2.6	21.5
10 8	23 40.42	+ 0 36.7	2.005	2.967	6.4	21.8
10 18	23 34.18	− 0 5.2	2.073	2.973	9.9	22.0
10 28	23 29.89	− 0 36.4	2.165	2.979	12.9	22.2

123946 2001 ER_{23} 9 21.1 111.°29 0.°4/21.6 18

8 19	0 13.51	+ 3 22.0	2.537	3.390	10.7	20.0
8 29	0 8.75	+ 2 44.9	2.474	3.403	7.8	19.9
9 8	0 2.71	+ 1 58.0	2.436	3.416	4.7	19.7
9 18	23 55.91	+ 1 4.7	2.425	3.428	1.3	19.5
9 28	23 48.99	+ 0 9.5	2.445	3.441	2.2	19.6
10 8	23 42.60	− 0 42.9	2.493	3.453	5.5	19.8
10 18	23 37.31	− 1 28.4	2.570	3.464	8.4	20.0
10 28	23 33.54	− 2 3.7	2.670	3.476	10.9	20.2

283055 2008 HS_{29} 9 21.1 64.°49 1.°6/19.2 18

8 19	0 12.30	− 1 17.5	2.039	2.918	11.8	20.6
8 29	0 8.14	− 2 32.2	1.983	2.929	8.4	20.4
9 8	0 2.46	− 3 56.2	1.952	2.940	4.8	20.2
9 18	23 55.86	− 5 23.1	1.948	2.951	1.6	20.0
9 28	23 49.12	− 6 45.8	1.973	2.962	3.8	20.2
10 8	23 43.01	− 7 57.8	2.026	2.973	7.4	20.4
10 18	23 38.22	− 8 54.3	2.105	2.985	10.7	20.7
10 28	23 35.21	− 9 32.6	2.206	2.996	13.5	20.9

60807 2000 HN_{26} 9 21.1 344.°44 2.°9/18.6 18

8 19	0 16.24	− 6 26.4	1.630	2.522	13.5	18.6
8 29	0 11.44	− 7 2.9	1.566	2.518	9.8	18.3
9 8	0 4.59	− 7 44.8	1.525	2.513	5.8	18.1
9 18	23 56.41	− 8 25.8	1.510	2.509	3.0	17.9
9 28	23 47.92	− 8 59.2	1.521	2.506	5.3	18.0
10 8	23 40.23	− 9 19.4	1.557	2.503	9.3	18.3
10 18	23 34.25	− 9 23.1	1.618	2.501	13.2	18.5
10 28	23 30.62	− 9 9.0	1.699	2.499	16.4	18.7

512303 2016 *HV* 9 21.1 54.°47 3.°4/18.8 17

8 19	0 21.24	− 5 20.9	1.113	2.015	17.6	20.7
8 29	0 15.31	− 6 11.5	1.085	2.040	12.6	20.5
9 8	0 6.79	− 7 8.8	1.077	2.066	7.3	20.3
9 18	23 56.88	− 8 3.4	1.092	2.093	3.4	20.1
9 28	23 47.08	− 8 45.9	1.132	2.119	6.3	20.4
10 8	23 38.82	− 9 10.0	1.195	2.146	11.0	20.7
10 18	23 33.06	− 9 12.9	1.281	2.173	15.3	21.1
10 28	23 30.30	− 8 55.1	1.385	2.200	18.7	21.4

257462 1992 UE_7 9 21.1 307.°60 0.°2/20.9 17

8 19	0 13.53	+ 0 41.0	2.089	2.959	11.9	20.8
8 29	0 9.20	+ 0 12.7	2.005	2.944	8.8	20.6
9 8	0 3.20	− 0 25.9	1.945	2.929	5.1	20.3
9 18	23 56.09	− 1 10.9	1.911	2.914	1.2	20.0
9 28	23 48.63	− 1 57.5	1.905	2.900	2.9	20.1
10 8	23 41.66	− 2 40.1	1.927	2.885	6.9	20.3
10 18	23 35.96	− 3 13.8	1.975	2.871	10.5	20.5
10 28	23 32.12	− 3 35.2	2.045	2.857	13.6	20.7

127713 2003 EU_{33} 9 21.1 88.°01 1.°2/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 23.29	+ 3 56.8	1.315	2.184	17.6	20.5
8 29	0 16.71	+ 3 43.0	1.270	2.205	13.0	20.3
9 8	0 7.65	+ 3 12.4	1.245	2.226	7.9	20.1
9 18	23 57.13	+ 2 29.7	1.244	2.246	2.5	19.8
9 28	23 46.52	+ 1 41.9	1.270	2.266	3.5	19.9
10 8	23 37.21	+ 0 57.3	1.321	2.286	8.6	20.3
10 18	23 30.20	+ 0 22.3	1.397	2.305	13.1	20.6
10 28	23 26.11	+ 0 1.5	1.493	2.324	16.8	20.9

394178 2006 RU_{46} 9 21.1 4.°72 1.°6/19.8 16

8 19	0 17.04	− 3 39.7	1.567	2.455	14.2	20.9
8 29	0 12.06	− 3 57.8	1.506	2.455	10.3	20.7
9 8	0 4.96	− 4 23.3	1.468	2.456	5.9	20.5
9 18	23 56.51	− 4 51.0	1.454	2.457	1.9	20.2
9 28	23 47.79	− 5 15.1	1.467	2.459	4.3	20.4
10 8	23 39.94	− 5 30.0	1.505	2.461	8.7	20.6
10 18	23 33.86	− 5 32.1	1.568	2.464	12.7	20.9
10 28	23 30.22	− 5 19.5	1.652	2.467	16.2	21.1

16601 1993 FQ_1 9 21.1 83.°53 3.°0/18.4 18

8 19	0 16.83	− 4 3.3	1.465	2.357	14.8	17.5
8 29	0 11.91	− 5 19.8	1.417	2.369	10.6	17.3
9 8	0 4.84	− 6 45.3	1.391	2.380	6.1	17.1
9 18	23 56.47	− 8 11.1	1.391	2.391	3.0	16.9
9 28	23 47.94	− 9 27.4	1.417	2.402	5.7	17.1
10 8	23 40.39	−10 26.3	1.469	2.413	10.0	17.4
10 18	23 34.73	−11 3.4	1.544	2.424	13.9	17.7
10 28	23 31.56	−11 17.3	1.639	2.435	17.1	17.9

392360 2010 GU_{97} 9 21.1 210.°05 5.°5/16.0 18

8 19	0 21.06	−15 35.5	1.973	2.856	12.0	21.3
8 29	0 14.65	−16 20.3	1.912	2.853	9.0	21.1
9 8	0 6.33	−17 1.8	1.875	2.849	6.4	20.9
9 18	23 56.83	−17 33.2	1.866	2.845	5.6	20.9
9 28	23 47.11	−17 49.1	1.884	2.841	7.4	21.0
10 8	23 38.18	−17 45.9	1.928	2.836	10.2	21.1
10 18	23 30.88	−17 23.0	1.997	2.831	13.1	21.3
10 28	23 25.80	−16 41.7	2.086	2.826	15.7	21.5

70925 1999 VK_{205} 9 21.1 206.°07 0.°5/21.7 18

8 19	0 14.29	+ 5 0.9	2.123	2.977	12.4	19.2
8 29	0 9.67	+ 4 2.2	2.044	2.973	9.2	19.0
9 8	0 3.43	+ 2 48.8	1.990	2.969	5.5	18.8
9 18	23 56.14	+ 1 24.8	1.962	2.965	1.6	18.5
9 28	23 48.58	− 0 3.1	1.964	2.960	2.6	18.6
10 8	23 41.57	− 1 27.8	1.995	2.955	6.5	18.8
10 18	23 35.84	− 2 42.8	2.053	2.949	10.1	19.1
10 28	23 31.95	− 3 43.3	2.134	2.943	13.2	19.3

400875 2010 OF_{93} 9 21.1 22.°18 5.°1/25.7 18

8 19	0 15.18	+13 0.7	1.581	2.417	16.8	20.2
8 29	0 10.73	+13 22.9	1.520	2.426	13.4	20.0
9 8	0 4.20	+13 23.4	1.480	2.436	9.6	19.8
9 18	23 56.34	+13 2.8	1.463	2.447	6.2	19.7
9 28	23 48.20	+12 24.8	1.471	2.458	5.2	19.6
10 8	23 40.90	+11 35.9	1.505	2.471	7.6	19.8
10 18	23 35.36	+10 43.9	1.563	2.484	11.1	20.0
10 28	23 32.22	+ 9 56.3	1.644	2.498	14.4	20.3

252916 2002 LC_{55} 9 21.1 191.°87 3.°6/16.1 18

8 19	0 15.01	−12 36.8	2.835	3.715	8.9	21.2
8 29	0 9.79	−13 28.9	2.771	3.713	6.5	21.1
9 8	0 3.33	−14 20.5	2.733	3.711	4.4	20.9
9 18	23 56.10	−15 7.2	2.724	3.708	3.7	20.9
9 28	23 48.71	−15 44.5	2.744	3.705	5.1	21.0
10 8	23 41.78	−16 9.4	2.792	3.701	7.4	21.1
10 18	23 35.88	−16 20.0	2.866	3.697	9.7	21.3
10 28	23 31.45	−16 15.8	2.963	3.693	11.7	21.4

7094 Godaisan 9 21.1 335.°27 1.°2/19.9 18

8 19	0 10.82	+ 0 49.8	1.530	2.419	14.5	16.4
8 29	0 7.67	− 0 21.2	1.458	2.407	10.5	16.1
9 8	0 2.50	− 1 48.6	1.408	2.397	6.0	15.8
9 18	23 55.95	− 3 25.2	1.383	2.387	1.5	15.5
9 28	23 49.01	− 5 1.5	1.385	2.378	4.3	15.7
10 8	23 42.76	− 6 27.5	1.412	2.369	9.0	15.9
10 18	23 38.14	− 7 35.3	1.464	2.362	13.3	16.2
10 28	23 35.83	− 8 20.3	1.535	2.355	17.0	16.4

135780 2002 RB_{67} 9 21.1 338.°36 4.°3/24.9 18

8 19	0 16.21	+11 38.0	1.699	2.536	15.8	19.3
8 29	0 11.50	+11 52.5	1.623	2.531	12.5	19.1
9 8	0 4.70	+11 47.4	1.567	2.527	8.8	18.9
9 18	23 56.48	+11 23.4	1.536	2.523	5.4	18.7
9 28	23 47.84	+10 43.7	1.530	2.520	4.6	18.6
10 8	23 39.89	+ 9 54.5	1.551	2.517	7.4	18.8
10 18	23 33.58	+ 9 3.0	1.596	2.514	11.1	19.0
10 28	23 29.63	+ 8 16.6	1.665	2.511	14.6	19.2

378121 2006 UU_{329} 9 21.1 323°.51 6°.2/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 15.60	+15 12.2	1.397	2.232	18.7	20.4
8 29	0 11.51	+15 27.7	1.321	2.224	15.2	20.2
9 8	0 4.92	+15 16.3	1.264	2.216	11.3	19.9
9 18	23 56.58	+14 37.2	1.228	2.209	7.6	19.7
9 28	23 47.66	+13 34.1	1.216	2.202	6.3	19.6
10 8	23 39.54	+12 15.4	1.229	2.196	8.8	19.8
10 18	23 33.37	+10 51.6	1.265	2.190	12.8	20.0
10 28	23 30.02	+ 9 33.7	1.323	2.184	16.7	20.2

39887 1998 ED_{13} 9 21.1 329°.59 3°.0/19.1 18

8 19	0 16.25	− 4 37.9	1.108	2.016	17.2	17.1
8 29	0 12.36	− 5 12.9	1.042	2.001	12.6	16.7
9 8	0 5.58	− 5 58.4	0.996	1.987	7.4	16.4
9 18	23 56.75	− 6 46.9	0.972	1.975	3.1	16.1
9 28	23 47.31	− 7 28.2	0.972	1.963	6.2	16.3
10 8	23 38.86	− 7 53.4	0.994	1.952	11.7	16.6
10 18	23 32.77	− 7 57.2	1.037	1.942	16.9	16.8
10 28	23 29.92	− 7 37.5	1.097	1.933	21.2	17.1

505936 2015 FT_{47} 9 21.1 147°.47 0°.5/21.6 17

8 19	0 16.52	+ 4 41.0	1.576	2.443	15.3	21.3
8 29	0 11.70	+ 3 47.6	1.511	2.447	11.3	21.0
9 8	0 4.78	+ 2 36.3	1.468	2.450	6.8	20.8
9 18	23 56.51	+ 1 12.5	1.450	2.453	1.9	20.5
9 28	23 47.94	− 0 15.2	1.460	2.456	3.2	20.6
10 8	23 40.20	− 1 37.7	1.496	2.459	8.0	20.9
10 18	23 34.22	− 2 47.1	1.558	2.461	12.3	21.2
10 28	23 30.65	− 3 38.2	1.641	2.463	15.9	21.4

520369 2014 HR_{203} 9 21.1 225°.53 5°.4/14.4 18

8 19	0 15.31	−14 12.6	2.155	3.044	10.8	21.6
8 29	0 10.44	−15 43.6	2.092	3.036	8.1	21.4
9 8	0 3.90	−17 14.5	2.054	3.028	5.9	21.2
9 18	23 56.29	−18 37.7	2.044	3.019	5.6	21.2
9 28	23 48.39	−19 45.8	2.062	3.010	7.5	21.3
10 8	23 41.07	−20 33.7	2.106	3.000	10.2	21.5
10 18	23 35.08	−20 59.0	2.174	2.990	12.9	21.6
10 28	23 30.98	−21 1.7	2.262	2.980	15.2	21.8

426194 2012 JP_{63} 9 21.1 223°.82 3°.4/18.1 17

8 19	0 21.07	− 7 21.3	1.775	2.657	13.1	22.2
8 29	0 14.95	− 8 13.8	1.701	2.647	9.6	22.0
9 8	0 6.69	− 9 11.6	1.651	2.636	5.8	21.8
9 18	23 56.98	−10 8.1	1.627	2.625	3.4	21.6
9 28	23 46.87	−10 55.7	1.632	2.612	5.7	21.7
10 8	23 37.47	−11 28.3	1.664	2.599	9.7	21.9
10 18	23 29.78	−11 42.5	1.720	2.586	13.4	22.1
10 28	23 24.48	−11 37.0	1.797	2.571	16.7	22.3

129786 1999 JU_{64} 9 21.1 78°.91 2°.8/23.6 18

8 19	0 18.98	+ 9 35.0	1.343	2.199	18.1	19.5
8 29	0 13.59	+ 9 3.1	1.296	2.220	13.8	19.3
9 8	0 5.86	+ 8 7.5	1.268	2.241	8.9	19.1
9 18	23 56.75	+ 6 53.1	1.264	2.261	4.2	18.9
9 28	23 47.51	+ 5 28.1	1.286	2.282	3.7	18.9
10 8	23 39.44	+ 4 3.1	1.334	2.302	8.1	19.2
10 18	23 33.49	+ 2 47.4	1.406	2.322	12.5	19.5
10 28	23 30.26	+ 1 47.9	1.500	2.342	16.2	19.8

236547 2006 HH_{47} 9 21.1 198°.61 0°.8/20.3 18

8 19	0 18.35	− 1 8.4	2.200	3.064	11.6	21.2
8 29	0 12.55	− 1 38.6	2.124	3.061	8.5	20.9
9 8	0 5.10	− 2 16.8	2.073	3.057	4.9	20.7
9 18	23 56.58	− 2 59.1	2.050	3.053	1.2	20.5
9 28	23 47.78	− 3 40.6	2.056	3.048	3.1	20.6
10 8	23 39.56	− 4 16.4	2.090	3.043	6.9	20.8
10 18	23 32.67	− 4 42.5	2.152	3.037	10.3	21.0
10 28	23 27.68	− 4 56.3	2.237	3.030	13.2	21.2

452980 2007 EM_{175} 9 21.1 151°.95 1°.1/22.5 18

8 19	0 12.88	+ 6 3.1	2.484	3.329	11.1	21.9
8 29	0 8.41	+ 5 25.3	2.410	3.332	8.3	21.7
9 8	0 2.60	+ 4 35.3	2.360	3.336	5.2	21.5
9 18	23 55.96	+ 3 36.2	2.338	3.339	1.9	21.3
9 28	23 49.13	+ 2 32.5	2.346	3.342	2.2	21.3
10 8	23 42.79	+ 1 29.6	2.382	3.345	5.4	21.5
10 18	23 37.54	+ 0 32.3	2.446	3.347	8.5	21.8
10 28	23 33.86	− 0 15.3	2.535	3.350	11.2	21.9

391790 2008 RU_{43} 9 21.1 338°.15 0°.2/20.7 16

8 19	0 8.82	− 0 44.6	3.958	4.817	7.0	20.8
8 29	0 5.07	− 1 1.8	3.879	4.813	5.1	20.7
9 8	0 0.50	− 1 23.4	3.826	4.810	2.9	20.5
9 18	23 55.44	− 1 47.3	3.802	4.806	0.7	20.3
9 28	23 50.26	− 2 11.4	3.809	4.803	1.7	20.4
10 8	23 45.35	− 2 33.1	3.845	4.799	3.9	20.6
10 18	23 41.07	− 2 50.6	3.909	4.796	6.0	20.7
10 28	23 37.73	− 3 2.1	3.999	4.793	7.8	20.9

118951 2000 WU_{89} 9 21.1 212°.33 3°.2/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 14.23	+12 7.1	2.350	3.168	12.5	20.0
8 29	0 9.54	+11 55.9	2.267	3.165	9.9	19.8
9 8	0 3.34	+11 28.7	2.207	3.162	6.9	19.6
9 18	23 56.16	+10 46.8	2.172	3.159	4.1	19.5
9 28	23 48.70	+ 9 53.6	2.167	3.156	3.4	19.4
10 8	23 41.74	+ 8 54.3	2.189	3.153	5.7	19.6
10 18	23 35.96	+ 7 54.4	2.239	3.150	8.7	19.7
10 28	23 31.89	+ 6 59.6	2.314	3.146	11.5	19.9

15537 2000 AM_{199} 9 21.1 25°.40 4°.7/15.9 18

8 19	0 12.19	− 9 54.6	1.790	2.689	12.2	16.6
8 29	0 8.30	−11 24.3	1.741	2.695	8.8	16.5
9 8	0 2.68	−12 56.3	1.717	2.701	5.8	16.3
9 18	23 55.99	−14 22.5	1.719	2.708	4.8	16.2
9 28	23 49.13	−15 34.6	1.748	2.715	6.9	16.4
10 8	23 43.00	−16 26.7	1.803	2.723	10.1	16.6
10 18	23 38.35	−16 55.8	1.881	2.731	13.2	16.8
10 28	23 35.72	−17 1.8	1.979	2.739	15.8	17.0

185920 2000 SS_{288} 9 21.1 265°.30 1°.7/22.6 18

8 19	0 19.40	+ 4 30.7	2.147	2.994	12.6	20.1
8 29	0 13.44	+ 4 44.9	2.063	2.985	9.5	19.9
9 8	0 5.69	+ 4 48.6	2.003	2.977	6.0	19.6
9 18	23 56.74	+ 4 43.3	1.970	2.969	2.5	19.4
9 28	23 47.42	+ 4 31.8	1.965	2.960	2.8	19.4
10 8	23 38.65	+ 4 18.0	1.989	2.952	6.3	19.6
10 18	23 31.24	+ 4 5.7	2.040	2.943	9.9	19.8
10 28	23 25.81	+ 3 59.0	2.116	2.935	13.0	20.0

201795 2003 WE_{145} 9 21.1 251°.15 0°.8/21.9 18

8 19	0 15.78	+ 3 51.9	1.864	2.726	13.5	20.4
8 29	0 10.96	+ 3 23.9	1.790	2.723	10.1	20.2
9 8	0 4.29	+ 2 42.2	1.739	2.719	6.1	19.9
9 18	23 56.41	+ 1 50.4	1.713	2.716	1.9	19.7
9 28	23 48.21	+ 0 54.1	1.716	2.712	2.8	19.7
10 8	23 40.65	+ 0 0.0	1.746	2.709	7.0	20.0
10 18	23 34.58	− 0 46.2	1.802	2.705	10.9	20.2
10 28	23 30.61	− 1 19.7	1.880	2.701	14.3	20.4

239381 2007 SM_{1} 9 21.1 17°.54 1°.4/22.3 18

8 19	0 17.28	+ 3 58.6	1.528	2.398	15.5	19.9
8 29	0 12.32	+ 3 56.3	1.465	2.400	11.6	19.6
9 8	0 5.18	+ 3 39.4	1.423	2.403	7.2	19.4
9 18	23 56.62	+ 3 10.9	1.406	2.407	2.6	19.1
9 28	23 47.76	+ 2 36.1	1.415	2.411	3.2	19.2
10 8	23 39.77	+ 2 1.6	1.450	2.416	7.8	19.5
10 18	23 33.60	+ 1 33.4	1.509	2.421	12.0	19.7
10 28	23 29.93	+ 1 16.2	1.590	2.427	15.7	20.0

69958 1998 VP_{29} 9 21.1 338°.56 3°.2/24.5 18

8 19	0 12.95	+10 22.2	1.963	2.802	13.9	19.0
8 29	0 8.88	+10 16.6	1.882	2.794	10.8	18.8
9 8	0 3.08	+ 9 53.6	1.824	2.788	7.4	18.6
9 18	23 56.12	+ 9 14.9	1.790	2.781	4.2	18.4
9 28	23 48.82	+ 8 24.4	1.783	2.776	3.5	18.3
10 8	23 42.07	+ 7 28.0	1.803	2.770	6.4	18.5
10 18	23 36.68	+ 6 32.2	1.849	2.765	10.0	18.7
10 28	23 33.25	+ 5 43.0	1.919	2.761	13.2	18.9

5346 1981 QE_{3} 9 21.1 16°.77 1°.5/19.7 18

8 19	0 13.74	− 2 31.8	1.711	2.598	13.3	16.4
8 29	0 9.48	− 3 6.6	1.655	2.603	9.6	16.2
9 8	0 3.39	− 3 49.7	1.621	2.610	5.5	16.0
9 18	23 56.17	− 4 35.8	1.613	2.616	1.7	15.7
9 28	23 48.76	− 5 18.6	1.632	2.624	4.0	15.9
10 8	23 42.12	− 5 52.1	1.677	2.632	8.0	16.2
10 18	23 37.04	− 6 12.5	1.747	2.641	11.8	16.4
10 28	23 34.09	− 6 17.2	1.838	2.651	14.9	16.7

209237 2003 WL_{101} 9 21.1 346°.65 8°.6/25.5 18

8 19	0 16.35	+12 39.4	1.121	1.981	20.6	19.0
8 29	0 12.70	+14 21.2	1.047	1.964	17.0	18.7
9 8	0 5.99	+15 43.0	0.992	1.948	13.1	18.4
9 18	23 56.93	+16 39.5	0.956	1.934	9.7	18.2
9 28	23 46.93	+17 8.0	0.942	1.922	8.8	18.1
10 8	23 37.72	+17 11.6	0.949	1.913	11.3	18.2
10 18	23 30.88	+16 57.8	0.977	1.905	15.3	18.4
10 28	23 27.53	+16 36.8	1.024	1.900	19.4	18.6

326269 1994 LL_{4} 9 21.1 75°.33 4°.7/17.5 17

8 19	0 21.48	− 9 17.5	1.376	2.272	15.3	20.7
8 29	0 15.22	−10 20.2	1.343	2.295	11.0	20.5
9 8	0 6.71	−11 24.3	1.332	2.317	6.8	20.4
9 18	23 56.95	−12 21.0	1.346	2.340	4.7	20.3
9 28	23 47.22	−13 2.0	1.386	2.363	7.1	20.5
10 8	23 38.77	−13 22.3	1.451	2.385	10.9	20.8
10 18	23 32.50	−13 20.6	1.539	2.407	14.6	21.1
10 28	23 28.93	−12 57.8	1.646	2.429	17.6	21.3

358329 2006 VQ_{45} 9 21.1 209°.66 1°.4/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 15.61	− 2 56.2	2.143	3.018	11.5	21.6
8 29	0 10.59	− 3 34.8	2.073	3.016	8.3	21.4
9 8	0 3.97	− 4 20.4	2.028	3.014	4.7	21.1
9 18	23 56.33	− 5 8.5	2.009	3.012	1.6	20.9
9 28	23 48.44	− 5 53.7	2.020	3.009	3.6	21.1
10 8	23 41.15	− 6 31.0	2.058	3.007	7.2	21.3
10 18	23 35.16	− 6 56.6	2.122	3.004	10.5	21.5
10 28	23 31.02	− 7 8.1	2.209	3.001	13.4	21.7

264132 2009 UC_{5} 9 21.1 325°.23 1°.8/17.9 18

8 19	0 8.76	− 7 55.8	3.844	4.721	6.8	19.9
8 29	0 5.06	− 8 26.4	3.770	4.714	4.9	19.8
9 8	0 0.52	− 8 58.6	3.722	4.707	2.9	19.6
9 18	23 55.47	− 9 29.8	3.704	4.700	1.8	19.5
9 28	23 50.30	− 9 57.1	3.715	4.694	2.9	19.6
10 8	23 45.41	−10 18.3	3.755	4.688	4.9	19.7
10 18	23 41.17	−10 31.6	3.823	4.681	6.9	19.9
10 28	23 37.91	−10 35.8	3.915	4.675	8.6	20.0

214093 2004 JQ_{43} 9 21.1 56°.49 1°.1/19.1 17

8 19	0 10.31	− 5 58.0	4.150	5.019	6.5	19.7
8 29	0 6.08	− 6 13.3	4.082	5.022	4.7	19.6
9 8	0 1.08	− 6 30.4	4.040	5.025	2.7	19.4
9 18	23 55.61	− 6 47.2	4.028	5.029	1.2	19.3
9 28	23 50.05	− 7 1.7	4.046	5.032	2.3	19.4
10 8	23 44.79	− 7 11.9	4.094	5.035	4.2	19.5
10 18	23 40.16	− 7 16.3	4.170	5.039	6.1	19.7
10 28	23 36.47	− 7 13.8	4.272	5.042	7.7	19.8

442474 2011 UD_{309} 9 21.1 348°.32 0°.8/21.9 15

8 19	0 13.10	+ 3 54.8	1.514	2.391	15.2	21.2
8 29	0 9.36	+ 3 27.5	1.445	2.385	11.4	21.0
9 8	0 3.51	+ 2 43.6	1.397	2.380	6.9	20.7
9 18	23 56.26	+ 1 47.4	1.372	2.375	2.1	20.4
9 28	23 48.63	+ 0 45.9	1.374	2.371	3.2	20.5
10 8	23 41.75	− 0 12.9	1.402	2.368	8.0	20.8
10 18	23 36.57	− 1 1.7	1.453	2.366	12.4	21.0
10 28	23 33.79	− 1 35.2	1.526	2.364	16.1	21.3

283098 2008 UR_{138} 9 21.1 64°.31 3°.7/24.9 17

8 19	0 14.81	+12 47.6	1.609	2.446	16.5	20.3
8 29	0 10.41	+12 17.0	1.547	2.457	12.9	20.1
9 8	0 4.01	+11 22.6	1.507	2.469	8.9	19.9
9 18	23 56.36	+10 7.4	1.490	2.481	5.0	19.7
9 28	23 48.49	+ 8 38.1	1.500	2.493	4.0	19.6
10 8	23 41.46	+ 7 4.1	1.536	2.505	7.2	19.9
10 18	23 36.15	+ 5 34.6	1.598	2.517	11.0	20.1
10 28	23 33.15	+ 4 17.5	1.683	2.529	14.5	20.4

23681 Prabhu 9 21.1 64°.73 2°.3/18.9 18 R

8 19	0 16.43	− 4 16.7	1.734	2.620	13.2	18.7
8 29	0 11.45	− 5 4.9	1.675	2.623	9.5	18.4
9 8	0 4.57	− 6 0.3	1.639	2.627	5.5	18.2
9 18	23 56.49	− 6 56.9	1.630	2.631	2.3	18.0
9 28	23 48.19	− 7 47.5	1.647	2.635	4.7	18.2
10 8	23 40.68	− 8 26.1	1.692	2.639	8.6	18.4
10 18	23 34.79	− 8 48.9	1.761	2.643	12.3	18.7
10 28	23 31.11	− 8 53.9	1.851	2.647	15.4	18.9

276950 2004 TM_{284} 9 21.1 86°.47 0°.7/21.7 16

8 19	0 18.12	+ 3 29.9	1.660	2.526	14.7	21.1
8 29	0 12.67	+ 3 1.7	1.605	2.540	10.9	20.9
9 8	0 5.26	+ 2 19.5	1.573	2.554	6.5	20.7
9 18	23 56.65	+ 1 27.7	1.566	2.569	1.9	20.5
9 28	23 47.88	+ 0 32.7	1.586	2.583	3.0	20.6
10 8	23 40.00	− 0 18.5	1.634	2.597	7.4	20.9
10 18	23 33.87	− 1 0.1	1.707	2.610	11.4	21.1
10 28	23 30.04	− 1 28.0	1.802	2.624	14.7	21.4

131668 2001 XO_{171} 9 21.1 60°.69 0°.8/21.7 18

8 19	0 18.47	+ 3 49.1	1.282	2.161	17.4	19.7
8 29	0 13.53	+ 3 20.2	1.223	2.164	12.9	19.5
9 8	0 6.04	+ 2 32.6	1.183	2.167	7.8	19.2
9 18	23 56.88	+ 1 31.6	1.167	2.170	2.3	18.9
9 28	23 47.36	+ 0 25.4	1.176	2.173	3.7	19.0
10 8	23 38.88	− 0 36.2	1.210	2.176	9.0	19.3
10 18	23 32.55	− 1 25.4	1.268	2.179	13.9	19.6
10 28	23 29.12	− 1 56.5	1.345	2.182	18.0	19.9

258031 2001 HA_{42} 9 21.1 131°.81 2°.5/18.8 17

8 19	0 20.46	− 4 43.7	1.779	2.657	13.3	21.3
8 29	0 14.24	− 5 37.8	1.727	2.671	9.5	21.1
9 8	0 6.12	− 6 38.3	1.698	2.685	5.5	20.9
9 18	23 56.86	− 7 38.6	1.697	2.698	2.5	20.8
9 28	23 47.46	− 8 31.7	1.724	2.710	4.8	21.0
10 8	23 38.96	− 9 11.7	1.779	2.721	8.6	21.2
10 18	23 32.18	− 9 35.3	1.858	2.732	12.2	21.5
10 28	23 27.67	− 9 41.1	1.959	2.742	15.2	21.7

31501 Williamhang 9 21.1 205°.00 0°.9/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.28	+ 4 17.0	1.941	2.795	13.4	19.5
8 29	0 12.75	+ 3 51.8	1.863	2.791	10.0	19.3
9 8	0 5.35	+ 3 12.9	1.808	2.787	6.1	19.1
9 18	23 56.71	+ 2 23.8	1.780	2.782	2.0	18.8
9 28	23 47.72	+ 1 29.6	1.780	2.777	2.8	18.9
10 8	23 39.37	+ 0 36.8	1.809	2.771	6.9	19.1
10 18	23 32.50	− 0 9.0	1.864	2.764	10.8	19.3
10 28	23 27.75	− 0 43.2	1.942	2.757	14.1	19.5

226492 2003 SD_{282} 9 21.1 28°.47 4°.5/16.8 18

8 19	0 16.77	−12 47.8	2.018	2.907	11.5	19.7
8 29	0 11.44	−13 26.6	1.965	2.912	8.4	19.6
9 8	0 4.45	−14 3.9	1.937	2.917	5.6	19.4
9 18	23 56.46	−14 34.3	1.935	2.922	4.5	19.4
9 28	23 48.33	−14 52.4	1.960	2.928	6.2	19.5
10 8	23 40.95	−14 54.9	2.012	2.934	9.1	19.7
10 18	23 35.03	−14 40.7	2.088	2.940	12.0	19.9
10 28	23 31.09	−14 10.1	2.186	2.946	14.5	20.1

312903 2011 UQ_{300} 9 21.1 333°.27 6°.6/26.6 17

8 19	0 11.03	+15 17.7	1.382	2.224	18.5	20.2
8 29	0 8.32	+15 42.7	1.293	2.199	15.2	19.9
9 8	0 3.20	+15 41.4	1.223	2.176	11.5	19.6
9 18	23 56.26	+15 11.9	1.173	2.153	8.0	19.4
9 28	23 48.59	+14 16.3	1.146	2.132	6.7	19.2
10 8	23 41.51	+13 1.9	1.143	2.111	9.1	19.3
10 18	23 36.24	+11 39.0	1.162	2.093	13.1	19.5
10 28	23 33.75	+10 19.2	1.202	2.076	17.3	19.7

359339 2009 RL_{40} 9 21.1 213°.46 0°.5/20.2 18

8 19	0 10.34	− 2 50.5	4.796	5.653	5.9	20.6
8 29	0 6.03	− 2 58.9	4.716	5.650	4.3	20.5
9 8	0 1.04	− 3 9.9	4.663	5.646	2.4	20.4
9 18	23 55.63	− 3 21.9	4.640	5.643	0.6	20.2
9 28	23 50.11	− 3 33.3	4.647	5.639	1.6	20.3
10 8	23 44.83	− 3 42.4	4.686	5.636	3.5	20.4
10 18	23 40.08	− 3 47.8	4.753	5.632	5.2	20.6
10 28	23 36.14	− 3 48.2	4.847	5.628	6.7	20.7

351352 2005 AP_{76} 9 21.1 317°.74 3°.2/18.5 18

8 19	0 15.10	− 5 27.8	1.438	2.337	14.6	20.5
8 29	0 11.06	− 6 16.2	1.362	2.317	10.7	20.2
9 8	0 4.66	− 7 13.5	1.308	2.298	6.3	19.9
9 18	23 56.59	− 8 12.7	1.279	2.279	3.2	19.6
9 28	23 47.97	− 9 4.8	1.274	2.261	5.9	19.8
10 8	23 40.07	− 9 42.0	1.294	2.243	10.5	20.0
10 18	23 34.00	− 9 59.0	1.337	2.226	15.0	20.2
10 28	23 30.58	− 9 53.6	1.399	2.210	18.8	20.4

31122 Brooktaylor 9 21.1 50°.64 0°.4/20.8 18

8 19	0 17.20	+ 2 17.4	1.095	1.988	18.5	17.7
8 29	0 12.70	+ 1 25.2	1.051	2.002	13.5	17.5
9 8	0 5.54	+ 0 14.2	1.027	2.016	7.8	17.2
9 18	23 56.75	− 1 7.6	1.026	2.030	1.8	16.9
9 28	23 47.79	− 2 28.7	1.049	2.045	4.3	17.1
10 8	23 40.12	− 3 38.0	1.096	2.060	10.0	17.5
10 18	23 34.82	− 4 27.9	1.164	2.075	14.9	17.8
10 28	23 32.54	− 4 54.4	1.252	2.091	18.9	18.2

482400 2012 BX_{24} 9 21.2 176°.50 4°.1/25.9 18

8 19	0 15.44	+14 26.4	2.423	3.225	12.7	21.4
8 29	0 10.41	+14 30.6	2.341	3.225	10.2	21.2
9 8	0 3.88	+14 18.4	2.282	3.226	7.4	21.1
9 18	23 56.36	+13 50.4	2.249	3.227	5.0	20.9
9 28	23 48.57	+13 9.3	2.244	3.227	4.1	20.9
10 8	23 41.28	+12 19.5	2.267	3.227	5.9	21.0
10 18	23 35.17	+11 26.3	2.317	3.227	8.5	21.2
10 28	23 30.78	+10 35.2	2.393	3.226	11.2	21.3

78649 2002 TF_{50} 9 21.2 48°.99 3°.7/25.2 18

8 19	0 13.35	+13 14.1	1.738	2.571	15.7	18.5
8 29	0 9.26	+12 41.2	1.673	2.579	12.3	18.3
9 8	0 3.33	+11 45.4	1.628	2.588	8.5	18.1
9 18	23 56.23	+10 29.5	1.608	2.598	4.9	17.9
9 28	23 48.90	+ 8 59.8	1.615	2.607	3.9	17.9
10 8	23 42.32	+ 7 24.9	1.649	2.617	6.8	18.1
10 18	23 37.30	+ 5 53.8	1.708	2.627	10.5	18.3
10 28	23 34.42	+ 4 33.9	1.792	2.637	13.8	18.6

356232 2009 SZ_{297} 9 21.2 295°.70 1°.3/18.7 18

8 19	0 8.16	− 5 48.1	4.180	5.052	6.4	20.9
8 29	0 4.58	− 6 19.3	4.106	5.049	4.6	20.8
9 8	0 0.25	− 6 52.7	4.060	5.045	2.6	20.6
9 18	23 55.46	− 7 26.2	4.043	5.042	1.3	20.5
9 28	23 50.56	− 7 57.1	4.055	5.039	2.4	20.6
10 8	23 45.91	− 8 23.1	4.098	5.036	4.3	20.8
10 18	23 41.86	− 8 42.6	4.168	5.033	6.2	20.9
10 28	23 38.70	− 8 54.0	4.263	5.030	7.8	21.0

195133 2002 CO_{168} 9 21.2 199°.70 0°.7/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 19.30	− 1 3.7	2.125	2.989	12.0	21.1
8 29	0 13.33	− 1 29.8	2.049	2.986	8.8	20.9
9 8	0 5.63	− 2 4.0	1.998	2.982	5.1	20.7
9 18	23 56.79	− 2 42.6	1.974	2.977	1.2	20.4
9 28	23 47.67	− 3 20.6	1.979	2.972	3.2	20.6
10 8	23 39.15	− 3 53.0	2.013	2.967	7.0	20.8
10 18	23 32.02	− 4 15.9	2.074	2.961	10.5	21.0
10 28	23 26.88	− 4 26.6	2.158	2.954	13.5	21.2

302800 2003 AA 9 21.2 303°.50 22°.8/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.89	−38 57.8	0.786	1.690	22.8	21.1
8 29	0 12.16	−44 10.6	0.752	1.652	23.7	21.0
9 8	0 6.80	−48 51.6	0.736	1.614	26.2	21.0
9 18	23 57.39	−52 29.9	0.734	1.576	29.6	21.0
9 28	23 46.02	−54 44.9	0.743	1.538	33.2	21.1
10 8	23 35.83	−55 32.3	0.759	1.500	36.6	21.2
10 18	23 29.57	−54 59.3	0.778	1.463	39.6	21.3
10 28	23 28.86	−53 17.6	0.797	1.428	42.2	21.3

476896 2008 WU_{19} 9 21.2 283°.99 7°.0/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.05	−17 37.3	1.696	2.588	13.2	21.2
8 29	0 14.24	−18 36.7	1.640	2.582	10.1	21.0
9 8	0 6.28	−19 30.7	1.608	2.577	7.7	20.8
9 18	23 56.96	−20 11.3	1.600	2.572	7.2	20.8
9 28	23 47.38	−20 31.4	1.618	2.567	9.1	20.9
10 8	23 38.70	−20 27.2	1.661	2.562	12.0	21.1
10 18	23 31.86	−19 58.6	1.727	2.557	15.0	21.3
10 28	23 27.49	−19 7.8	1.811	2.552	17.7	21.4

160772 2000 SU_{199} 9 21.2 52°.42 0°.4/21.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.03	+ 5 45.9	1.310	2.187	17.2	19.6
8 29	0 10.67	+ 4 26.3	1.272	2.213	12.6	19.4
9 8	0 4.15	+ 2 46.6	1.255	2.239	7.4	19.2
9 18	23 56.41	+ 0 55.4	1.263	2.266	2.0	18.9
9 28	23 48.65	− 0 55.8	1.297	2.293	3.5	19.1
10 8	23 42.02	− 2 35.6	1.357	2.321	8.5	19.5
10 18	23 37.37	− 3 56.1	1.441	2.348	12.8	19.8
10 28	23 35.21	− 4 52.9	1.546	2.376	16.4	20.1

184759 2005 SK_{263} 9 21.2 118°.89 2°.9/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.01	− 8 26.3	2.140	3.020	11.3	20.8
8 29	0 12.29	− 8 57.1	2.079	3.024	8.1	20.7
9 8	0 4.95	− 9 29.8	2.044	3.029	4.9	20.5
9 18	23 56.62	− 9 59.7	2.036	3.033	2.9	20.4
9 28	23 48.13	−10 22.0	2.056	3.037	4.7	20.5
10 8	23 40.32	−10 32.9	2.104	3.041	7.9	20.7
10 18	23 33.91	−10 30.5	2.178	3.044	11.0	20.9
10 28	23 29.41	−10 13.9	2.275	3.048	13.6	21.1

26958 1997 MY_4 9 21.2 104°.53 0°.8/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.50	+ 0 37.1	1.626	2.500	14.5	18.9
8 29	0 12.98	− 0 13.7	1.573	2.515	10.5	18.7
9 8	0 5.47	− 1 16.7	1.544	2.530	6.0	18.4
9 18	23 56.76	− 2 25.7	1.540	2.544	1.4	18.2
9 28	23 47.89	− 3 33.1	1.564	2.558	3.7	18.4
10 8	23 39.96	− 4 31.3	1.615	2.572	8.1	18.7
10 18	23 33.80	− 5 15.0	1.691	2.585	12.1	18.9
10 28	23 29.99	− 5 41.1	1.789	2.598	15.4	19.2

11943 Davidhartley 9 21.2 113°.67 3°.8/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.99	+12 38.2	2.255	3.069	13.1	17.4
8 29	0 10.88	+12 43.9	2.179	3.074	10.4	17.2
9 8	0 4.18	+12 33.5	2.127	3.078	7.4	17.0
9 18	23 56.45	+12 7.8	2.100	3.083	4.7	16.9
9 28	23 48.48	+11 29.7	2.100	3.087	3.9	16.8
10 8	23 41.07	+10 44.0	2.129	3.092	6.0	17.0
10 18	23 34.93	+ 9 56.1	2.185	3.096	8.9	17.2
10 28	23 30.61	+ 9 11.5	2.266	3.100	11.7	17.3

347784 2002 DF_3 9 21.2 94°.95 5°.3/14.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.24	−19 52.0	2.737	3.607	9.4	20.9
8 29	0 13.41	−20 41.4	2.712	3.640	7.3	20.8
9 8	0 5.37	−21 24.1	2.714	3.671	5.7	20.7
9 18	23 56.69	−21 55.6	2.744	3.702	5.4	20.8
9 28	23 48.09	−22 12.3	2.802	3.733	6.6	20.9
10 8	23 40.24	−22 12.8	2.889	3.763	8.4	21.1
10 18	23 33.67	−21 57.1	3.000	3.792	10.3	21.2
10 28	23 28.77	−21 26.7	3.133	3.820	11.9	21.4

308091 2004 VQ_9 9 21.2 321°.92 3°.7/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.62	− 5 38.4	1.371	2.274	14.9	19.8
8 29	0 10.05	− 6 45.0	1.299	2.256	10.8	19.5
9 8	0 4.11	− 8 1.8	1.249	2.239	6.4	19.2
9 18	23 56.50	− 9 20.5	1.223	2.222	3.7	19.0
9 28	23 48.37	−10 30.5	1.222	2.206	6.6	19.2
10 8	23 40.99	−11 22.7	1.245	2.191	11.2	19.4
10 18	23 35.48	−11 51.3	1.290	2.177	15.6	19.6
10 28	23 32.65	−11 54.0	1.354	2.163	19.4	19.8

237779 2002 AX_{115} 9 21.2 111°.56 7°.6/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 20.16	+20 56.7	1.830	2.606	17.1	20.2
8 29	0 14.35	+21 36.0	1.760	2.614	14.4	20.0
9 8	0 6.40	+21 50.8	1.709	2.623	11.5	19.9
9 18	23 57.04	+21 39.4	1.681	2.632	8.9	19.7
9 28	23 47.30	+21 3.0	1.678	2.640	7.6	19.7
10 8	23 38.33	+20 7.1	1.702	2.649	8.6	19.8
10 18	23 31.09	+18 59.6	1.750	2.656	11.0	19.9
10 28	23 26.28	+17 49.5	1.823	2.664	13.8	20.1

259375 2003 HT_{26} 9 21.2 265°.17 5°.8/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.35	−16 37.4	2.103	2.992	11.1	20.4
8 29	0 11.21	−17 40.8	2.046	2.988	8.5	20.2
9 8	0 4.40	−18 40.8	2.014	2.984	6.4	20.1
9 18	23 56.52	−19 30.7	2.008	2.980	6.0	20.1
9 28	23 48.44	−20 4.4	2.029	2.976	7.6	20.2
10 8	23 41.03	−20 18.3	2.076	2.972	10.2	20.3
10 18	23 35.03	−20 11.3	2.147	2.968	12.8	20.5
10 28	23 30.98	−19 44.2	2.237	2.964	15.1	20.6

341832 2008 CP_{72} 9 21.2 217°.06 1°.9/21.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 34.05	+ 0 41.9	1.199	2.065	19.1	20.6
8 29	0 25.48	+ 1 40.2	1.128	2.062	14.5	20.3
9 8	0 13.40	+ 2 29.7	1.078	2.058	9.0	20.0
9 18	23 58.81	+ 3 10.3	1.053	2.054	3.2	19.7
9 28	23 43.49	+ 3 43.6	1.054	2.050	4.3	19.8
10 8	23 29.42	+ 4 12.7	1.082	2.045	10.2	20.1
10 18	23 18.22	+ 4 41.7	1.134	2.040	15.6	20.4
10 28	23 10.90	+ 5 14.7	1.206	2.035	20.1	20.7

251390 2007 VY_{202} 9 21.2 42°.57 3°.3/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.24	+ 6 3.3	1.067	1.945	20.1	19.3
8 29	0 16.54	+ 6 32.0	1.021	1.958	15.3	19.0
9 8	0 7.90	+ 6 40.0	0.994	1.972	9.9	18.8
9 18	23 57.40	+ 6 29.0	0.988	1.987	4.6	18.6
9 28	23 46.67	+ 6 4.7	1.006	2.002	4.5	18.6
10 8	23 37.36	+ 5 35.3	1.048	2.018	9.4	18.9
10 18	23 30.70	+ 5 9.0	1.111	2.034	14.3	19.3
10 28	23 27.40	+ 4 52.6	1.194	2.051	18.5	19.6

207917 2008 VF_{59} 9 21.2 355°.75 0°.8/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.99	+ 4 12.3	1.318	2.202	16.6	19.2
8 29	0 9.53	+ 3 38.7	1.254	2.198	12.4	18.9
9 8	0 3.75	+ 2 45.9	1.211	2.195	7.5	18.7
9 18	23 56.41	+ 1 38.9	1.190	2.193	2.3	18.3
9 28	23 48.68	+ 0 26.3	1.195	2.192	3.5	18.4
10 8	23 41.82	− 0 42.3	1.224	2.192	8.7	18.7
10 18	23 36.88	− 1 38.3	1.276	2.192	13.4	19.0
10 28	23 34.58	− 2 15.9	1.348	2.194	17.5	19.3

509064 2005 TC_{114} 9 21.2 281°.83 0°.7/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.74	− 0 30.2	1.566	2.445	14.8	22.1
8 29	0 13.58	− 0 52.5	1.487	2.431	10.9	21.9
9 8	0 6.10	− 1 26.4	1.431	2.417	6.4	21.6
9 18	23 57.00	− 2 7.5	1.399	2.403	1.5	21.2
9 28	23 47.37	− 2 49.1	1.394	2.389	3.8	21.4
10 8	23 38.46	− 3 24.3	1.415	2.375	8.8	21.6
10 18	23 31.33	− 3 47.6	1.461	2.360	13.2	21.9
10 28	23 26.77	− 3 55.2	1.527	2.346	17.1	22.1

382765 2003 QR_{23} 9 21.2 323°.79 0°.3/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 9.03	+ 9 36.9	1.405	2.273	16.8	19.1
8 29	0 6.70	+ 6 56.2	1.314	2.251	12.6	18.8
9 8	0 2.17	+ 3 35.3	1.246	2.230	7.5	18.5
9 18	23 56.06	− 0 16.0	1.205	2.209	1.7	18.0
9 28	23 49.38	− 4 19.3	1.195	2.189	4.4	18.2
10 8	23 43.34	− 8 12.4	1.214	2.170	10.2	18.5
10 18	23 39.00	−11 36.1	1.259	2.152	15.5	18.7
10 28	23 37.18	−14 18.6	1.327	2.135	19.8	19.0

218466 2004 RX_{325} 9 21.2 359°.40 1°.5/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.68	+ 3 12.9	1.764	2.628	14.1	19.1
8 29	0 12.46	+ 3 29.8	1.694	2.626	10.6	18.9
9 8	0 5.27	+ 3 35.6	1.646	2.625	6.6	18.7
9 18	23 56.78	+ 3 32.0	1.623	2.624	2.5	18.4
9 28	23 47.95	+ 3 22.6	1.628	2.624	3.0	18.5
10 8	23 39.85	+ 3 11.8	1.660	2.625	7.1	18.7
10 18	23 33.34	+ 3 4.1	1.717	2.626	11.0	19.0
10 28	23 29.10	+ 3 3.4	1.796	2.628	14.4	19.2

255677 2006 QU_{47} 9 21.2 336°.42 0°.1/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.85	+ 2 18.1	1.014	1.920	18.6	19.2
8 29	0 8.64	+ 1 45.0	0.946	1.902	13.9	18.9
9 8	0 3.58	+ 0 49.6	0.896	1.886	8.3	18.5
9 18	23 56.45	− 0 22.1	0.866	1.870	2.0	18.1
9 28	23 48.61	− 1 39.5	0.859	1.856	4.5	18.2
10 8	23 41.69	− 2 49.7	0.874	1.844	10.8	18.5
10 18	23 37.08	− 3 42.2	0.908	1.833	16.5	18.8
10 28	23 35.72	− 4 10.0	0.960	1.824	21.4	19.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
470563 2008 FR_{130}			9 21.2	36°.89	8°.0/15.8	16
	h m	° ′			°	m
8 19	0 18.92	−14 53.1	1.070	1.985	17.1	20.2
8 29	0 13.84	−16 7.8	1.048	2.005	12.8	20.1
9 8	0 6.11	−17 15.9	1.045	2.026	9.1	19.9
9 18	23 56.94	−18 6.0	1.064	2.048	8.1	20.0
9 28	23 47.86	−18 29.4	1.107	2.070	10.4	20.2
10 8	23 40.33	−18 22.7	1.171	2.094	14.0	20.4
10 18	23 35.30	−17 47.7	1.254	2.119	17.5	20.7
10 28	23 33.27	−16 48.7	1.355	2.144	20.4	21.0
319187 2005 YL_{144}			9 21.2	106°.84	2°.6/24.5	18
8 19	0 15.66	+10 21.9	2.714	3.530	11.1	21.4
8 29	0 10.32	+10 16.3	2.649	3.549	8.6	21.3
9 8	0 3.72	+ 9 58.1	2.608	3.566	5.9	21.1
9 18	23 56.37	+ 9 29.0	2.595	3.584	3.3	21.0
9 28	23 48.90	+ 8 51.9	2.610	3.601	2.8	21.0
10 8	23 41.95	+ 8 10.8	2.655	3.618	5.0	21.1
10 18	23 36.08	+ 7 29.9	2.729	3.634	7.6	21.3
10 28	23 31.73	+ 6 53.1	2.828	3.651	9.9	21.5
367264 2007 TS_{48}			9 21.2	16°.33	2°.6/22.9	17
8 19	0 13.94	+ 6 50.7	0.955	1.848	20.6	19.9
8 29	0 10.77	+ 6 38.2	0.906	1.852	15.7	19.6
9 8	0 4.68	+ 5 59.3	0.875	1.858	10.0	19.3
9 18	23 56.67	+ 4 58.7	0.864	1.865	4.1	19.0
9 28	23 48.30	+ 3 46.2	0.875	1.873	4.1	19.0
10 8	23 41.20	+ 2 34.2	0.908	1.882	9.8	19.4
10 18	23 36.61	+ 1 33.9	0.962	1.893	15.1	19.7
10 28	23 35.28	+ 0 53.0	1.034	1.905	19.7	20.1
289280 2004 XT_{161}			9 21.2	318°.57	9°.4/29.3	18
8 19	0 17.05	+22 34.2	1.615	2.396	18.8	20.3
8 29	0 12.57	+23 30.4	1.531	2.385	16.2	20.1
9 8	0 5.65	+23 59.9	1.465	2.374	13.4	19.9
9 18	23 56.95	+23 58.8	1.420	2.364	10.8	19.7
9 28	23 47.56	+23 26.6	1.398	2.354	9.5	19.6
10 8	23 38.81	+22 28.0	1.399	2.344	10.3	19.6
10 18	23 31.87	+21 11.6	1.425	2.335	12.7	19.8
10 28	23 27.63	+19 48.4	1.472	2.327	15.7	19.9
155993 2001 RE_{1}			9 21.2	311°.66	0°.4/21.4	18
8 19	0 16.45	+ 1 56.1	1.355	2.239	16.3	19.8
8 29	0 12.29	+ 1 40.8	1.273	2.218	12.2	19.5
9 8	0 5.55	+ 1 9.8	1.212	2.197	7.4	19.2
9 18	23 56.93	+ 0 26.7	1.173	2.177	2.0	18.8
9 28	23 47.61	− 0 21.5	1.160	2.157	3.7	18.8
10 8	23 38.97	− 1 6.4	1.171	2.137	9.3	19.1
10 18	23 32.28	− 1 40.6	1.206	2.118	14.4	19.3
10 28	23 28.45	− 1 58.3	1.260	2.100	18.7	19.6
89843 2002 CT_{58}			9 21.2	0°.48	0°.5/21.8	18
8 19	0 12.23	+ 4 50.2	1.998	2.859	12.8	19.9
8 29	0 8.30	+ 3 57.1	1.926	2.859	9.5	19.7
9 8	0 2.75	+ 2 49.2	1.878	2.859	5.7	19.5
9 18	23 56.17	+ 1 31.0	1.856	2.859	1.7	19.2
9 28	23 49.34	+ 0 9.0	1.863	2.859	2.6	19.3
10 8	23 43.10	− 1 9.5	1.897	2.859	6.6	19.6
10 18	23 38.16	− 2 18.2	1.958	2.860	10.2	19.8
10 28	23 35.08	− 3 12.3	2.042	2.860	13.4	20.0
14249 2000 AW_{57}			9 21.2	307°.67	3°.8/25.3	18
8 19	0 15.70	+12 14.8	2.280	3.097	12.9	17.9
8 29	0 10.73	+12 26.8	2.198	3.094	10.3	17.7
9 8	0 4.16	+12 23.4	2.138	3.091	7.3	17.5
9 18	23 56.53	+12 5.3	2.104	3.088	4.6	17.4
9 28	23 48.58	+11 34.7	2.098	3.085	3.9	17.3
10 8	23 41.14	+10 56.1	2.120	3.082	6.0	17.4
10 18	23 34.93	+10 14.6	2.169	3.079	9.0	17.6
10 28	23 30.52	+ 9 35.5	2.242	3.077	11.8	17.8
77382 2001 FZ_{143}			9 21.2	55°.67	5°.6/17.2	18
8 19	0 20.72	−10 52.5	1.255	2.157	16.0	18.6
8 29	0 14.98	−11 51.2	1.219	2.174	11.7	18.4
9 8	0 6.76	−12 49.9	1.205	2.190	7.5	18.2
9 18	23 57.14	−13 39.0	1.215	2.207	5.6	18.2
9 28	23 47.49	−14 10.2	1.250	2.225	8.0	18.4
10 8	23 39.17	−14 18.5	1.309	2.243	11.9	18.7
10 18	23 33.14	−14 3.1	1.389	2.260	15.7	18.9
10 28	23 29.98	−13 26.0	1.488	2.278	18.8	19.2
517483 2014 QJ_{153}			9 21.2	22°.73	6°.0/15.1	18
8 19	0 16.82	−16 56.4	1.960	2.851	11.7	20.8
8 29	0 11.60	−17 50.1	1.911	2.854	8.9	20.7
9 8	0 4.63	−18 39.2	1.887	2.857	6.6	20.6
9 18	23 56.63	−19 17.0	1.888	2.861	6.1	20.5
9 28	23 48.48	−19 37.9	1.916	2.865	7.8	20.7
10 8	23 41.11	−19 38.7	1.969	2.870	10.4	20.8
10 18	23 35.27	−19 19.0	2.045	2.875	13.1	21.0
10 28	23 31.49	−18 40.1	2.142	2.880	15.4	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
491834 2013 AQ_{39}			9 21.2	242°.62	1°.3/23.9	18
	h m	° ′			°	m
8 19	0 8.27	+ 8 0.4	4.459	5.281	7.0	21.6
8 29	0 4.67	+ 7 48.5	4.372	5.278	5.3	21.5
9 8	0 0.35	+ 7 29.6	4.311	5.274	3.5	21.3
9 18	23 55.57	+ 7 4.9	4.277	5.271	1.8	21.2
9 28	23 50.68	+ 6 36.1	4.274	5.268	1.6	21.2
10 8	23 46.01	+ 6 5.5	4.301	5.264	3.2	21.3
10 18	23 41.89	+ 5 35.3	4.357	5.261	5.0	21.4
10 28	23 38.61	+ 5 7.8	4.440	5.257	6.7	21.5
154184 2002 GN_{117}			9 21.2	236°.76	4°.1/16.2	18
8 19	0 16.62	−13 5.7	2.521	3.401	9.8	20.9
8 29	0 11.24	−13 54.6	2.448	3.390	7.2	20.7
9 8	0 4.38	−14 42.9	2.401	3.378	4.9	20.6
9 18	23 56.58	−15 25.7	2.382	3.366	4.1	20.5
9 28	23 48.53	−15 58.0	2.392	3.353	5.7	20.6
10 8	23 40.98	−16 16.2	2.430	3.341	8.3	20.7
10 18	23 34.58	−16 18.5	2.493	3.327	10.8	20.9
10 28	23 29.86	−16 4.6	2.578	3.314	13.1	21.0
155801 2000 UT_{61}			9 21.2	3°.11	1°.9/22.4	18
8 19	0 13.31	+ 3 22.9	1.011	1.912	19.1	18.9
8 29	0 10.26	+ 3 39.8	0.958	1.909	14.4	18.6
9 8	0 4.40	+ 3 38.2	0.923	1.909	9.0	18.3
9 18	23 56.64	+ 3 21.2	0.908	1.910	3.3	18.0
9 28	23 48.45	+ 2 55.2	0.916	1.914	4.0	18.1
10 8	23 41.41	+ 2 28.8	0.946	1.919	9.6	18.4
10 18	23 36.75	+ 2 9.7	0.996	1.927	14.8	18.7
10 28	23 35.24	+ 2 3.8	1.065	1.936	19.2	19.0
523310 2017 BE_{116}			9 21.2	247°.09	9°.9/ 6.7	18
8 19	0 20.63	−36 45.7	2.597	3.429	11.1	21.2
8 29	0 14.25	−37 55.3	2.557	3.419	10.2	21.2
9 8	0 6.15	−38 48.8	2.540	3.409	9.9	21.1
9 18	23 57.00	−39 20.1	2.546	3.398	10.4	21.1
9 28	23 47.70	−39 25.2	2.576	3.387	11.4	21.2
10 8	23 39.16	−39 3.0	2.627	3.377	12.7	21.3
10 18	23 32.13	−38 15.2	2.698	3.365	14.1	21.4
10 28	23 27.16	−37 5.4	2.785	3.354	15.3	21.5
323528 2004 RR_{158}			9 21.2	325°.56	2°.3/23.3	17
8 19	0 14.46	+ 6 53.5	1.817	2.672	14.1	20.4
8 29	0 10.22	+ 6 53.3	1.732	2.657	10.8	20.2
9 8	0 4.05	+ 6 37.9	1.669	2.643	7.1	19.9
9 18	23 56.54	+ 6 8.9	1.631	2.629	3.3	19.7
9 28	23 48.59	+ 5 30.4	1.620	2.615	3.2	19.6
10 8	23 41.18	+ 4 48.2	1.635	2.602	6.9	19.9
10 18	23 35.22	+ 4 8.4	1.675	2.590	10.9	20.1
10 28	23 31.42	+ 3 36.7	1.739	2.578	14.4	20.3
491555 2012 PH_{29}			9 21.2	137°.06	4°.0/24.9	18
8 19	0 17.86	+11 56.8	1.707	2.539	15.9	21.3
8 29	0 12.69	+11 51.8	1.636	2.543	12.5	21.1
9 8	0 5.46	+11 26.0	1.587	2.547	8.7	20.9
9 18	23 56.88	+10 40.7	1.561	2.550	5.1	20.7
9 28	23 47.95	+ 9 40.6	1.563	2.554	4.2	20.7
10 8	23 39.80	+ 8 33.1	1.591	2.557	7.2	20.9
10 18	23 33.33	+ 7 26.1	1.645	2.560	11.0	21.1
10 28	23 29.22	+ 6 27.1	1.722	2.563	14.5	21.3
312803 2010 XD_{71}			9 21.2	241°.08	1°.3/24.0	18
8 19	0 8.16	+ 8 16.3	4.742	5.560	6.6	21.0
8 29	0 4.56	+ 8 6.9	4.651	5.555	5.1	20.9
9 8	0 0.28	+ 7 50.9	4.587	5.549	3.4	20.8
9 18	23 55.57	+ 7 29.3	4.551	5.543	1.8	20.6
9 28	23 50.73	+ 7 3.7	4.544	5.537	1.5	20.6
10 8	23 46.11	+ 6 36.1	4.569	5.531	3.0	20.7
10 18	23 42.00	+ 6 8.7	4.622	5.525	4.8	20.8
10 28	23 38.68	+ 5 43.5	4.702	5.519	6.4	21.0
299226 2005 JE_{110}			9 21.2	328°.54	2°.8/18.9	18
8 19	0 17.26	− 6 5.1	1.648	2.538	13.6	20.4
8 29	0 12.29	− 6 38.6	1.581	2.531	9.8	20.2
9 8	0 5.24	− 7 17.7	1.537	2.525	5.8	19.9
9 18	23 56.82	− 7 56.6	1.518	2.519	2.8	19.7
9 28	23 48.07	− 8 28.5	1.526	2.513	5.1	19.8
10 8	23 40.08	− 8 47.9	1.560	2.507	9.2	20.1
10 18	23 33.79	− 8 51.4	1.618	2.502	13.1	20.3
10 28	23 29.86	− 8 37.5	1.697	2.498	16.4	20.5
473042 2015 HU_{79}			9 21.2	344°.84	1°.3/20.3	18
8 19	0 16.86	− 1 54.9	1.286	2.181	16.2	20.2
8 29	0 12.47	− 2 15.6	1.222	2.174	11.9	19.9
9 8	0 5.56	− 2 47.6	1.179	2.168	6.9	19.7
9 18	23 56.93	− 3 25.4	1.159	2.163	1.8	19.3
9 28	23 47.86	− 4 1.2	1.164	2.158	4.5	19.5
10 8	23 39.72	− 4 27.7	1.193	2.154	9.7	19.8
10 18	23 33.67	− 4 39.4	1.244	2.151	14.5	20.1
10 28	23 30.47	− 4 33.4	1.315	2.149	18.5	20.3

260326 2004 TV_{175} 9 21.2 266°.82 3°.2/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 16.48	− 9 38.9	2.273	3.155	10.6	20.1
8 29	0 11.22	−10 15.0	2.204	3.150	7.7	19.9
9 8	0 4.41	−10 52.5	2.161	3.144	4.8	19.7
9 18	23 56.61	−11 26.6	2.144	3.138	3.2	19.6
9 28	23 48.58	−11 52.6	2.156	3.133	5.0	19.7
10 8	23 41.12	−12 6.5	2.196	3.127	8.0	19.8
10 18	23 34.93	−12 6.2	2.262	3.121	10.9	20.0
10 28	23 30.54	−11 51.1	2.350	3.116	13.4	20.2

317856 2003 TC_{34} 9 21.2 109°.19 4°.0/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.16	+14 59.0	2.495	3.295	12.4	20.5
8 29	0 9.45	+14 55.8	2.419	3.301	10.0	20.4
9 8	0 3.34	+14 36.1	2.366	3.308	7.3	20.2
9 18	23 56.34	+14 1.0	2.338	3.315	4.9	20.1
9 28	23 49.13	+13 13.1	2.339	3.322	4.0	20.0
10 8	23 42.43	+12 17.3	2.367	3.328	5.6	20.1
10 18	23 36.86	+11 18.7	2.424	3.334	8.1	20.3
10 28	23 32.92	+10 22.8	2.505	3.341	10.7	20.5

333008 2011 LN_{28} 9 21.2 41°.97 2°.8/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.86	+ 8 39.3	1.544	2.399	16.2	20.6
8 29	0 11.26	+ 8 27.1	1.488	2.411	12.4	20.4
9 8	0 4.61	+ 7 55.3	1.452	2.424	8.1	20.2
9 18	23 56.66	+ 7 7.1	1.440	2.437	4.0	20.0
9 28	23 48.50	+ 6 8.4	1.455	2.450	3.5	20.0
10 8	23 41.23	+ 5 7.0	1.495	2.464	7.3	20.3
10 18	23 35.74	+ 4 10.6	1.561	2.478	11.4	20.5
10 28	23 32.63	+ 3 25.4	1.648	2.492	14.9	20.8

60510 2000 EV_{3} 9 21.2 234°.84 0°.4/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.20	+ 2 46.5	2.060	2.920	12.5	20.4
8 29	0 11.21	+ 2 17.4	1.980	2.913	9.3	20.2
9 8	0 4.50	+ 1 36.4	1.924	2.905	5.5	20.0
9 18	23 56.65	+ 0 47.1	1.895	2.898	1.5	19.7
9 28	23 48.47	− 0 5.5	1.894	2.890	2.7	19.8
10 8	23 40.85	− 0 55.4	1.922	2.882	6.7	20.0
10 18	23 34.57	− 1 37.5	1.976	2.874	10.4	20.2
10 28	23 30.24	− 2 7.7	2.053	2.866	13.5	20.4

516650 2008 JB_{30} 9 21.2 33°.22 6°.6/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.64	−18 33.0	1.973	2.863	11.6	21.0
8 29	0 11.47	−19 35.3	1.928	2.867	9.0	20.8
9 8	0 4.57	−20 31.8	1.906	2.872	7.0	20.7
9 18	23 56.64	−21 15.3	1.911	2.877	6.8	20.7
9 28	23 48.57	−21 40.2	1.942	2.882	8.4	20.8
10 8	23 41.29	−21 43.4	1.998	2.888	10.8	21.0
10 18	23 35.54	−21 24.7	2.076	2.893	13.4	21.2
10 28	23 31.84	−20 45.8	2.175	2.899	15.6	21.4

396866 2004 TN_{32} 9 21.2 340°.20 3°.0/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.74	+11 26.5	2.100	2.930	13.4	21.0
8 29	0 8.67	+11 4.1	2.021	2.927	10.5	20.8
9 8	0 3.00	+10 23.7	1.964	2.925	7.2	20.6
9 18	23 56.28	+ 9 27.4	1.932	2.923	4.0	20.4
9 28	23 49.27	+ 8 19.8	1.928	2.921	3.3	20.4
10 8	23 42.81	+ 7 7.1	1.952	2.919	6.0	20.6
10 18	23 37.62	+ 5 56.0	2.003	2.917	9.4	20.8
10 28	23 34.26	+ 4 52.8	2.078	2.916	12.4	21.0

83977 2002 CE_{89} 9 21.2 323°.61 1°.2/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 7.84	− 4 35.2	3.913	4.785	6.8	19.4
8 29	0 4.45	− 5 15.3	3.838	4.781	4.9	19.2
9 8	0 0.26	− 5 58.7	3.790	4.776	2.8	19.1
9 18	23 55.58	− 6 42.7	3.771	4.772	1.2	19.0
9 28	23 50.77	− 7 24.4	3.783	4.768	2.4	19.0
10 8	23 46.23	− 8 1.0	3.823	4.764	4.5	19.2
10 18	23 42.31	− 8 30.5	3.892	4.760	6.5	19.3
10 28	23 39.33	− 8 51.1	3.985	4.756	8.2	19.5

261860 2006 EA_{62} 9 21.2 200°.68 2°.0/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.66	+ 7 16.7	2.508	3.342	11.4	20.7
8 29	0 10.54	+ 7 16.1	2.428	3.341	8.7	20.5
9 8	0 3.99	+ 7 4.0	2.372	3.340	5.7	20.3
9 18	23 56.52	+ 6 42.0	2.343	3.339	2.8	20.2
9 28	23 48.80	+ 6 13.0	2.343	3.338	2.6	20.1
10 8	23 41.56	+ 5 41.1	2.373	3.336	5.4	20.3
10 18	23 35.43	+ 5 10.3	2.429	3.335	8.4	20.5
10 28	23 30.93	+ 4 44.6	2.511	3.333	11.1	20.7

24313 1999 YR_{27} 9 21.2 327°.01 3°.1/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.82	−15 55.9	4.032	4.909	6.5	17.8
8 29	0 6.56	−16 22.5	3.967	4.905	4.9	17.7
9 8	0 1.47	−16 46.9	3.930	4.901	3.5	17.6
9 18	23 55.88	−17 6.5	3.921	4.897	3.2	17.5
9 28	23 50.18	−17 18.7	3.942	4.892	4.1	17.6
10 8	23 44.80	−17 22.0	3.990	4.889	5.7	17.7
10 18	23 40.10	−17 15.2	4.066	4.885	7.3	17.8
10 28	23 36.39	−16 58.2	4.164	4.881	8.8	17.9

343911 2011 JY_{26} 9 21.2 30°.12 5°.7/17.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 17.37	−10 53.7	1.200	2.109	16.0	20.5
8 29	0 12.65	−11 51.3	1.165	2.123	11.7	20.3
9 8	0 5.48	−12 48.9	1.151	2.138	7.5	20.1
9 18	23 56.87	−13 37.0	1.161	2.153	5.7	20.0
9 28	23 48.21	−14 6.8	1.194	2.170	8.1	20.2
10 8	23 40.82	−14 13.4	1.251	2.188	12.1	20.5
10 18	23 35.68	−13 56.0	1.328	2.206	15.8	20.8
10 28	23 33.32	−13 16.3	1.425	2.225	19.0	21.1

184933 2005 VK_{33} 9 21.2 38°.05 2°.9/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.30	+10 51.2	1.927	2.764	14.2	19.6
8 29	0 9.14	+10 25.6	1.858	2.769	11.0	19.4
9 8	0 3.29	+ 9 41.2	1.810	2.775	7.4	19.2
9 18	23 56.36	+ 8 40.8	1.788	2.781	4.0	19.0
9 28	23 49.19	+ 7 29.5	1.794	2.788	3.3	19.0
10 8	23 42.66	+ 6 14.4	1.827	2.794	6.3	19.2
10 18	23 37.54	+ 5 2.6	1.886	2.801	9.8	19.5
10 28	23 34.38	+ 4 0.4	1.969	2.808	13.0	19.7

144889 2004 RZ_{213} 9 21.2 60°.90 5°.4/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.25	+15 3.4	2.177	2.971	14.2	19.1
8 29	0 14.87	+15 53.4	2.101	2.977	11.5	18.9
9 8	0 6.65	+16 27.2	2.048	2.983	8.7	18.7
9 18	23 57.19	+16 43.3	2.021	2.989	6.3	18.6
9 28	23 47.39	+16 42.7	2.021	2.995	5.5	18.6
10 8	23 38.19	+16 28.7	2.049	3.001	7.0	18.7
10 18	23 30.43	+16 6.0	2.104	3.007	9.6	18.8
10 28	23 24.75	+15 40.6	2.184	3.013	12.2	19.0

221739 2007 EE_{123} 9 21.2 133°.19 2°.5/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.58	− 4 54.5	2.345	3.226	10.4	20.4
8 29	0 8.32	− 6 15.9	2.284	3.231	7.4	20.2
9 8	0 2.69	− 7 43.4	2.249	3.235	4.3	20.0
9 18	23 56.20	− 9 10.8	2.241	3.240	2.5	19.9
9 28	23 49.53	−10 31.8	2.264	3.244	4.4	20.0
10 8	23 43.39	−11 40.6	2.315	3.248	7.5	20.2
10 18	23 38.38	−12 33.3	2.391	3.252	10.3	20.4
10 28	23 34.99	−13 8.0	2.491	3.256	12.8	20.6

4144 Vladvasil′ev 9 21.2 320°.56 0°.5/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.27	+ 1 14.3	2.215	3.083	11.4	16.7
8 29	0 8.21	+ 0 19.9	2.142	3.081	8.3	16.5
9 8	0 2.69	− 0 45.3	2.094	3.079	4.8	16.3
9 18	23 56.22	− 1 56.7	2.073	3.077	1.1	16.0
9 28	23 49.51	− 3 8.4	2.081	3.074	2.9	16.1
10 8	23 43.33	− 4 14.3	2.117	3.072	6.5	16.4
10 18	23 38.32	− 5 9.4	2.179	3.071	9.9	16.6
10 28	23 35.01	− 5 50.1	2.265	3.069	12.7	16.8

37172 2000 WQ_{32} 9 21.2 6°.13 6°.7/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.09	−16 1.3	1.749	2.649	12.4	18.0
8 29	0 9.85	−17 25.2	1.701	2.649	9.4	17.8
9 8	0 3.75	−18 45.7	1.677	2.650	7.1	17.7
9 18	23 56.48	−19 54.4	1.678	2.651	6.8	17.7
9 28	23 49.00	−20 43.5	1.705	2.653	8.8	17.8
10 8	23 42.31	−21 8.4	1.757	2.655	11.6	18.0
10 18	23 37.21	−21 8.1	1.830	2.658	14.4	18.1
10 28	23 34.27	−20 43.8	1.922	2.661	16.9	18.3

273827 2007 GZ_{21} 9 21.2 54°.95 1°.6/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.97	+ 6 29.9	1.475	2.341	16.2	20.9
8 29	0 11.39	+ 5 54.4	1.421	2.354	12.2	20.7
9 8	0 4.71	+ 4 59.8	1.389	2.367	7.6	20.4
9 18	23 56.72	+ 3 51.0	1.380	2.381	2.8	20.2
9 28	23 48.53	+ 2 35.7	1.398	2.395	3.1	20.2
10 8	23 41.29	+ 1 22.9	1.442	2.409	7.7	20.6
10 18	23 35.89	+ 0 20.4	1.511	2.424	12.0	20.8
10 28	23 32.93	− 0 26.3	1.601	2.438	15.6	21.1

164736 1998 SJ_{40} 9 21.2 190°.76 0°.1/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.40	+ 1 30.3	1.874	2.741	13.3	20.5
8 29	0 12.18	+ 1 7.7	1.804	2.740	9.8	20.3
9 8	0 5.10	+ 0 33.9	1.757	2.740	5.8	20.1
9 18	23 56.83	− 0 7.2	1.736	2.740	1.5	19.8
9 28	23 48.26	− 0 50.4	1.744	2.739	2.9	19.9
10 8	23 40.38	− 1 29.7	1.778	2.739	7.2	20.2
10 18	23 34.01	− 2 0.3	1.839	2.738	11.0	20.4
10 28	23 29.76	− 2 18.5	1.922	2.738	14.2	20.6

83337 2001 RG_{133} 9 21.2 101°.94 2°.5/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.66	− 6 5.8	1.984	2.864	12.0	19.1
8 29	0 12.18	− 6 43.4	1.926	2.872	8.6	18.9
9 8	0 5.00	− 7 25.3	1.893	2.879	5.1	18.7
9 18	23 56.78	− 8 6.3	1.887	2.886	2.5	18.6
9 28	23 48.40	− 8 40.9	1.909	2.894	4.5	18.7
10 8	23 40.75	− 9 4.4	1.958	2.901	8.0	18.9
10 18	23 34.56	− 9 14.1	2.033	2.908	11.3	19.2
10 28	23 30.39	− 9 8.8	2.130	2.915	14.1	19.4

346424 2008 SB_{205} 9 21.2 36°.48 6°.5/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 19.57	−13 57.9	1.326	2.230	15.3	20.1
8 29	0 14.13	−14 52.6	1.289	2.241	11.4	19.9
9 8	0 6.31	−15 43.6	1.273	2.254	7.8	19.7
9 18	23 57.11	−16 22.2	1.281	2.267	6.6	19.7
9 28	23 47.84	−16 40.5	1.313	2.280	8.7	19.9
10 8	23 39.79	−16 34.9	1.369	2.294	12.2	20.1
10 18	23 33.93	−16 5.4	1.447	2.309	15.7	20.4
10 28	23 30.82	−15 14.6	1.543	2.324	18.7	20.6

257998 2001 EO_{8} 9 21.2 167°.66 1°.1/20.2 17

8 19	0 19.61	− 0 49.6	1.729	2.601	13.9	21.2
8 29	0 13.88	− 1 34.4	1.664	2.605	10.1	20.9
9 8	0 6.13	− 2 30.1	1.623	2.608	5.8	20.7
9 18	23 57.09	− 3 30.9	1.608	2.611	1.5	20.4
9 28	23 47.77	− 4 29.7	1.621	2.613	3.8	20.6
10 8	23 39.26	− 5 19.8	1.661	2.615	8.2	20.9
10 18	23 32.43	− 5 56.0	1.727	2.616	12.2	21.1
10 28	23 27.94	− 6 15.3	1.814	2.616	15.5	21.3

261665 2005 YR_{131} 9 21.2 231°.68 0°.7/20.3 18

8 19	0 14.10	− 0 48.3	2.547	3.412	10.2	21.5
8 29	0 9.41	− 1 26.3	2.467	3.405	7.4	21.3
9 8	0 3.34	− 2 11.9	2.412	3.396	4.3	21.0
9 18	23 56.40	− 3 1.5	2.385	3.388	1.1	20.8
9 28	23 49.20	− 3 50.7	2.387	3.379	2.8	20.9
10 8	23 42.45	− 4 34.8	2.418	3.371	6.1	21.1
10 18	23 36.75	− 5 10.1	2.477	3.361	9.1	21.3
10 28	23 32.59	− 5 33.8	2.559	3.352	11.7	21.5

431875 2008 SM_{170} 9 21.2 235°.92 0°.8/23.1 18

8 19	0 7.14	+ 6 10.4	4.549	5.381	6.7	21.4
8 29	0 3.87	+ 5 43.2	4.464	5.378	5.0	21.3
9 8	23 59.91	+ 5 9.5	4.405	5.376	3.2	21.2
9 18	23 55.53	+ 4 30.8	4.375	5.373	1.3	21.0
9 28	23 51.05	+ 3 49.1	4.375	5.370	1.3	21.0
10 8	23 46.79	+ 3 6.9	4.405	5.368	3.2	21.2
10 18	23 43.05	+ 2 26.7	4.464	5.365	5.0	21.3
10 28	23 40.11	+ 1 50.6	4.551	5.362	6.7	21.4

408553 2013 KM_{8} 9 21.2 134°.04 0°.7/20.4 18

8 19	0 14.88	− 0 52.4	2.532	3.396	10.3	21.5
8 29	0 9.88	− 1 27.4	2.467	3.404	7.5	21.4
9 8	0 3.56	− 2 9.4	2.428	3.412	4.3	21.2
9 18	23 56.44	− 2 54.7	2.417	3.420	1.1	20.9
9 28	23 49.17	− 3 38.9	2.435	3.428	2.7	21.1
10 8	23 42.43	− 4 17.9	2.482	3.435	5.9	21.3
10 18	23 36.79	− 4 48.2	2.557	3.442	8.8	21.5
10 28	23 32.71	− 5 7.4	2.655	3.449	11.3	21.7

284371 2006 SZ_{201} 9 21.2 259°.01 1°.4/20.1 18

8 19	0 20.64	− 2 16.7	1.653	2.530	14.2	21.6
8 29	0 14.97	− 2 46.1	1.570	2.513	10.4	21.3
9 8	0 6.98	− 3 25.3	1.509	2.496	6.1	21.1
9 18	23 57.36	− 4 9.5	1.475	2.478	1.8	20.7
9 28	23 47.16	− 4 52.0	1.467	2.460	4.2	20.9
10 8	23 37.63	− 5 26.0	1.487	2.441	8.9	21.1
10 18	23 29.82	− 5 46.4	1.531	2.422	13.3	21.3
10 28	23 24.56	− 5 50.1	1.597	2.402	17.1	21.5

514836 2008 CT_{127} 9 21.2 264°.96 0°.4/20.7 18

8 19	0 14.82	+ 0 43.6	2.014	2.884	12.3	21.9
8 29	0 10.22	+ 0 3.9	1.942	2.881	9.0	21.6
9 8	0 3.93	− 0 46.5	1.893	2.878	5.2	21.4
9 18	23 56.56	− 1 43.2	1.872	2.875	1.2	21.1
9 28	23 48.92	− 2 40.4	1.878	2.873	3.0	21.3
10 8	23 41.87	− 3 32.0	1.912	2.870	7.0	21.5
10 18	23 36.16	− 4 13.2	1.973	2.867	10.6	21.7
10 28	23 32.38	− 4 40.4	2.056	2.864	13.7	21.9

323551 2004 SR_{44} 9 21.2 328°.54 1°.1/22.2 18

8 19	0 17.07	+ 2 51.1	1.858	2.721	13.5	20.2
8 29	0 12.07	+ 2 58.4	1.777	2.710	10.1	20.0
9 8	0 5.14	+ 2 54.6	1.719	2.699	6.2	19.7
9 18	23 56.88	+ 2 42.2	1.687	2.689	2.2	19.4
9 28	23 48.22	+ 2 24.7	1.682	2.679	2.8	19.5
10 8	23 40.15	+ 2 6.8	1.705	2.670	7.0	19.7
10 18	23 33.56	+ 1 53.2	1.753	2.661	10.9	19.9
10 28	23 29.14	+ 1 47.8	1.824	2.652	14.3	20.1

264133 2009 UX_{15} 9 21.2 289°.45 0°.7/22.6 18

8 19	0 7.84	+ 4 42.3	4.284	5.123	6.9	20.4
8 29	0 4.42	+ 4 20.9	4.196	5.116	5.2	20.3
9 8	0 0.26	+ 3 53.2	4.135	5.109	3.2	20.1
9 18	23 55.64	+ 3 20.7	4.102	5.102	1.2	20.0
9 28	23 50.88	+ 2 45.6	4.099	5.095	1.4	20.0
10 8	23 46.36	+ 2 10.4	4.127	5.089	3.4	20.1
10 18	23 42.40	+ 1 37.4	4.183	5.082	5.3	20.3
10 28	23 39.29	+ 1 8.9	4.266	5.075	7.1	20.4

431331 2006 XH_{20} 9 21.2 232°.61 4°.2/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.31	+11 47.4	1.635	2.470	16.4	21.2
8 29	0 13.23	+11 49.5	1.558	2.466	12.9	21.0
9 8	0 5.92	+11 30.3	1.502	2.463	9.1	20.7
9 18	23 57.09	+10 50.8	1.470	2.459	5.4	20.5
9 28	23 47.81	+ 9 55.0	1.464	2.455	4.5	20.5
10 8	23 39.26	+ 8 50.4	1.484	2.451	7.6	20.7
10 18	23 32.45	+ 7 45.3	1.530	2.447	11.6	20.9
10 28	23 28.14	+ 6 47.5	1.598	2.442	15.2	21.1

203003 1999 VD_{208} 9 21.2 33°.54 2°.4/19.1 18

8 19	0 16.73	− 4 16.4	1.579	2.468	14.1	20.2
8 29	0 11.90	− 5 2.2	1.523	2.473	10.1	19.9
9 8	0 5.01	− 5 55.7	1.489	2.477	5.8	19.7
9 18	23 56.83	− 6 50.3	1.480	2.482	2.5	19.5
9 28	23 48.42	− 7 38.6	1.499	2.487	4.9	19.7
10 8	23 40.88	− 8 14.2	1.543	2.492	9.1	19.9
10 18	23 35.08	− 8 33.1	1.611	2.498	13.0	20.2
10 28	23 31.66	− 8 33.4	1.700	2.504	16.3	20.4

90870 1996 TJ_{18} 9 21.2 112°.68 0°.5/21.7 18

8 19	0 18.00	+ 3 11.6	1.781	2.643	14.0	20.2
8 29	0 12.62	+ 2 40.7	1.720	2.653	10.3	20.0
9 8	0 5.37	+ 1 56.5	1.682	2.663	6.2	19.7
9 18	23 56.94	+ 1 3.2	1.670	2.672	1.7	19.5
9 28	23 48.30	+ 0 7.1	1.685	2.682	2.9	19.6
10 8	23 40.45	− 0 45.2	1.729	2.690	7.2	19.9
10 18	23 34.21	− 1 28.1	1.798	2.699	11.1	20.1
10 28	23 30.17	− 1 57.5	1.889	2.708	14.3	20.4

65690 1991 DG 9 21.2 71°.47 0°.6/21.6 18

8 19	0 43.95	+19 4.0	0.389	1.286	38.7	19.0
8 29	0 31.42	+13 48.3	0.393	1.341	27.5	18.8
9 8	0 15.47	+ 7 54.9	0.409	1.396	15.6	18.6
9 18	23 59.01	+ 2 8.6	0.445	1.448	4.0	18.4
9 28	23 45.07	− 2 43.9	0.501	1.499	6.4	18.9
10 8	23 35.50	− 6 18.4	0.578	1.547	14.8	19.6
10 18	23 30.78	− 8 35.8	0.671	1.592	21.1	20.2
10 28	23 30.60	− 9 48.5	0.779	1.636	25.8	20.7

346018 2007 TN_{289} 9 21.2 324°.84 1°.4/22.4 18

8 19	0 14.43	+ 5 19.8	1.508	2.379	15.7	20.4
8 29	0 10.52	+ 4 55.8	1.432	2.368	11.8	20.2
9 8	0 4.40	+ 4 13.5	1.377	2.357	7.4	19.9
9 18	23 56.75	+ 3 16.6	1.346	2.347	2.7	19.6
9 28	23 48.63	+ 2 11.6	1.340	2.337	3.2	19.6
10 8	23 41.21	+ 1 7.1	1.360	2.328	8.0	19.9
10 18	23 35.52	+ 0 11.0	1.405	2.319	12.6	20.1
10 28	23 32.32	− 0 30.3	1.470	2.311	16.5	20.3

19651 1999 RC_{112} 9 21.2 210°.45 0°.2/20.9 18

8 19	0 15.14	+ 3 26.0	2.073	2.932	12.5	17.8
8 29	0 10.46	+ 2 15.8	1.993	2.927	9.2	17.5
9 8	0 4.11	+ 0 51.0	1.938	2.921	5.4	17.3
9 18	23 56.65	− 0 43.3	1.911	2.915	1.3	17.0
9 28	23 48.89	− 2 19.8	1.913	2.908	2.9	17.1
10 8	23 41.68	− 3 50.7	1.944	2.900	7.0	17.4
10 18	23 35.77	− 5 9.4	2.002	2.893	10.7	17.6
10 28	23 31.76	− 6 11.2	2.084	2.884	13.8	17.8

250287 2003 OO_{13} 9 21.2 58°.51 3°.7/23.8 18

8 19	0 22.50	+ 8 16.3	1.163	2.028	19.7	20.0
8 29	0 16.56	+ 8 31.5	1.119	2.048	15.1	19.7
9 8	0 7.89	+ 8 23.9	1.094	2.068	10.0	19.5
9 18	23 57.57	+ 7 55.9	1.092	2.088	5.0	19.3
9 28	23 47.11	+ 7 13.7	1.114	2.109	4.5	19.3
10 8	23 38.02	+ 6 26.3	1.160	2.129	8.8	19.7
10 18	23 31.42	+ 5 42.7	1.229	2.150	13.4	20.0
10 28	23 27.96	+ 5 9.8	1.319	2.171	17.4	20.3

316555 2011 AY_{77} 9 21.2 263°.70 4°.7/13.9 18

8 19	0 12.46	−12 38.3	2.519	3.407	9.5	20.7
8 29	0 8.34	−14 29.1	2.446	3.391	7.1	20.5
9 8	0 2.81	−16 22.2	2.400	3.375	5.1	20.4
9 18	23 56.33	−18 10.4	2.384	3.359	4.9	20.3
9 28	23 49.55	−19 46.5	2.397	3.343	6.7	20.4
10 8	23 43.16	−21 4.7	2.438	3.327	9.2	20.6
10 18	23 37.81	−22 1.6	2.504	3.310	11.7	20.7
10 28	23 34.03	−22 36.2	2.590	3.293	13.8	20.8

412541 2014 MV_{62} 9 21.2 209°.06 3°.0/24.6 18

8 19	0 15.58	+10 31.6	2.344	3.167	12.4	20.7
8 29	0 10.63	+10 31.3	2.263	3.166	9.7	20.5
9 8	0 4.14	+10 16.4	2.205	3.164	6.7	20.3
9 18	23 56.66	+ 9 48.4	2.173	3.163	3.9	20.1
9 28	23 48.89	+ 9 10.2	2.170	3.161	3.2	20.1
10 8	23 41.63	+ 8 26.3	2.195	3.160	5.7	20.3
10 18	23 35.55	+ 7 41.8	2.248	3.158	8.7	20.5
10 28	23 31.22	+ 7 1.8	2.325	3.156	11.5	20.6

17309 6528 *P–L* 9 21.2 71°.86 0°.9/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 15.00	− 0 35.9	1.978	2.852	12.3	18.4
8 29	0 10.30	− 1 19.3	1.917	2.858	8.9	18.2
9 8	0 3.96	− 2 12.1	1.879	2.865	5.1	18.0
9 18	23 56.60	− 3 9.3	1.869	2.872	1.3	17.7
9 28	23 49.05	− 4 5.0	1.886	2.879	3.3	17.9
10 8	23 42.17	− 4 53.3	1.932	2.886	7.2	18.2
10 18	23 36.67	− 5 29.8	2.003	2.893	10.6	18.4
10 28	23 33.10	− 5 51.6	2.096	2.901	13.6	18.6

12245 1988 RM_7 9 21.2 38°.60 0°.7/21.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.33	+ 3 28.5	1.702	2.571	14.3	18.4
8 29	0 10.69	+ 3 6.0	1.651	2.587	10.5	18.2
9 8	0 4.23	+ 2 30.2	1.621	2.603	6.3	18.0
9 18	23 56.68	+ 1 45.3	1.617	2.620	1.9	17.8
9 28	23 48.98	+ 0 57.1	1.640	2.637	2.8	17.9
10 8	23 42.10	+ 0 12.0	1.690	2.654	7.0	18.2
10 18	23 36.83	− 0 24.6	1.765	2.672	10.8	18.4
10 28	23 33.71	− 0 48.8	1.862	2.691	14.1	18.7

139816 2001 RY_{24} 9 21.2 265°.89 0°.8/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.61	+ 3 18.5	2.000	2.859	12.9	20.1
8 29	0 11.61	+ 3 1.9	1.921	2.852	9.6	19.9
9 8	0 4.82	+ 2 33.4	1.865	2.845	5.8	19.7
9 18	23 56.85	+ 1 56.0	1.836	2.838	1.8	19.4
9 28	23 48.54	+ 1 14.2	1.834	2.831	2.7	19.5
10 8	23 40.80	+ 0 33.7	1.861	2.823	6.7	19.7
10 18	23 34.45	− 0 0.4	1.913	2.816	10.4	19.9
10 28	23 30.09	− 0 24.2	1.989	2.809	13.6	20.1

72136 2000 YG_{80} 9 21.2 210°.24 3°.2/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.70	+ 9 30.8	1.643	2.485	16.0	19.4
8 29	0 14.25	+ 9 24.0	1.566	2.481	12.4	19.2
9 8	0 6.54	+ 8 57.6	1.510	2.477	8.4	18.9
9 18	23 57.30	+ 8 13.1	1.478	2.473	4.3	18.7
9 28	23 47.61	+ 7 15.5	1.474	2.468	3.8	18.7
10 8	23 38.64	+ 6 12.3	1.496	2.462	7.6	18.9
10 18	23 31.45	+ 5 11.4	1.544	2.457	11.8	19.1
10 28	23 26.76	+ 4 20.1	1.614	2.451	15.5	19.3

143602 2003 FW_{81} 9 21.2 56°.78 3°.9/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.87	− 8 4.2	1.876	2.768	12.0	19.1
8 29	0 9.52	− 9 25.8	1.828	2.780	8.6	18.9
9 8	0 3.52	−10 50.9	1.806	2.791	5.3	18.8
9 18	23 56.51	−12 12.0	1.810	2.803	3.9	18.7
9 28	23 49.35	−13 21.5	1.842	2.815	6.0	18.8
10 8	23 42.93	−14 13.6	1.900	2.827	9.2	19.1
10 18	23 37.96	−14 45.4	1.982	2.840	12.3	19.3
10 28	23 34.94	−14 56.1	2.085	2.852	14.9	19.5

516442 2004 TV_{185} 9 21.2 245°.78 2°.0/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.23	+ 8 55.2	2.363	3.197	12.0	21.0
8 29	0 8.92	+ 8 25.4	2.279	3.192	9.2	20.8
9 8	0 3.16	+ 7 40.8	2.218	3.186	6.0	20.6
9 18	23 56.44	+ 6 43.9	2.184	3.180	2.9	20.4
9 28	23 49.45	+ 5 38.8	2.179	3.174	2.6	20.4
10 8	23 42.92	+ 4 31.3	2.203	3.168	5.6	20.6
10 18	23 37.52	+ 3 26.9	2.254	3.162	8.8	20.8
10 28	23 33.77	+ 2 30.9	2.329	3.156	11.7	20.9

225007 2007 EJ_{167} 9 21.2 197°.52 0°.7/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.05	+ 4 2.1	1.938	2.794	13.3	21.7
8 29	0 12.68	+ 3 28.6	1.862	2.792	9.9	21.5
9 8	0 5.46	+ 2 41.2	1.809	2.789	6.0	21.3
9 18	23 57.02	+ 1 43.8	1.783	2.785	1.8	21.0
9 28	23 48.25	+ 0 42.1	1.785	2.782	2.8	21.1
10 8	23 40.12	− 0 17.3	1.816	2.777	6.9	21.3
10 18	23 33.45	− 1 8.5	1.873	2.772	10.8	21.6
10 28	23 28.88	− 1 46.8	1.953	2.767	14.1	21.8

177012 2003 BU_{24} 9 21.2 123°.79 1°.4/19.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.73	− 0 46.1	2.248	3.118	11.2	20.0
8 29	0 9.22	− 2 1.6	2.187	3.128	8.0	19.8
9 8	0 3.27	− 3 26.2	2.151	3.138	4.5	19.6
9 18	23 56.45	− 4 54.3	2.144	3.147	1.5	19.4
9 28	23 49.47	− 6 19.1	2.166	3.156	3.5	19.6
10 8	23 43.06	− 7 34.4	2.218	3.164	6.9	19.8
10 18	23 37.86	− 8 35.5	2.295	3.173	10.0	20.1
10 28	23 34.35	− 9 19.7	2.396	3.181	12.7	20.3

514494 2016 WA_{16} 9 21.2 14°.56 2°.7/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.19	+ 9 2.7	1.701	2.550	15.2	20.9
8 29	0 10.79	+ 8 45.5	1.631	2.551	11.7	20.7
9 8	0 4.42	+ 8 9.3	1.582	2.552	7.8	20.5
9 18	23 56.77	+ 7 16.7	1.558	2.554	3.8	20.3
9 28	23 48.79	+ 6 13.2	1.560	2.555	3.3	20.2
10 8	23 41.53	+ 5 6.3	1.589	2.557	7.0	20.5
10 18	23 35.86	+ 4 3.6	1.644	2.560	11.0	20.7
10 28	23 32.44	+ 3 11.5	1.721	2.562	14.5	20.9

221823 2008 EB_{41} 9 21.2 90°.22 7°.4/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 24.68	−17 43.7	1.497	2.387	14.7	19.7
8 29	0 17.66	−18 38.6	1.460	2.401	11.2	19.5
9 8	0 8.33	−19 25.9	1.445	2.415	8.3	19.4
9 18	23 57.69	−19 57.1	1.455	2.430	7.5	19.4
9 28	23 47.04	−20 5.5	1.491	2.444	9.4	19.5
10 8	23 37.67	−19 48.7	1.552	2.457	12.4	19.7
10 18	23 30.50	−19 8.0	1.635	2.471	15.5	20.0
10 28	23 26.09	−18 6.9	1.737	2.484	18.1	20.2

164582 2006 WU_{193} 9 21.2 294°.33 1°.7/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.42	− 3 21.9	1.985	2.864	12.1	20.6
8 29	0 10.73	− 4 0.9	1.911	2.856	8.7	20.4
9 8	0 4.31	− 4 47.4	1.861	2.848	5.0	20.1
9 18	23 56.74	− 5 36.6	1.838	2.840	1.8	19.9
9 28	23 48.86	− 6 22.4	1.843	2.832	3.9	20.0
10 8	23 41.57	− 6 59.4	1.875	2.824	7.7	20.3
10 18	23 35.65	− 7 23.6	1.932	2.817	11.3	20.5
10 28	23 31.69	− 7 32.4	2.011	2.809	14.3	20.7

469360 2001 HC_{31} 9 21.2 88°.33 1°.0/20.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.20	− 0 1.8	1.501	2.378	15.4	22.5
8 29	0 14.37	− 0 49.1	1.455	2.399	11.1	22.3
9 8	0 6.42	− 1 48.2	1.433	2.419	6.4	22.1
9 18	23 57.23	− 2 52.4	1.435	2.439	1.6	21.8
9 28	23 47.96	− 3 53.9	1.465	2.458	3.9	22.0
10 8	23 39.75	− 4 45.2	1.521	2.477	8.5	22.4
10 18	23 33.49	− 5 21.3	1.601	2.496	12.6	22.7
10 28	23 29.74	− 5 39.4	1.703	2.515	15.9	22.9

340250 2006 BK_{124} 9 21.2 284°.51 3°.6/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.59	+ 8 22.3	1.676	2.520	15.6	21.6
8 29	0 15.01	+ 8 47.8	1.590	2.506	12.2	21.3
9 8	0 7.09	+ 8 57.3	1.524	2.491	8.3	21.1
9 18	23 57.49	+ 8 51.1	1.483	2.476	4.6	20.8
9 28	23 47.27	+ 8 31.8	1.469	2.462	4.1	20.8
10 8	23 37.65	+ 8 4.4	1.482	2.447	7.7	20.9
10 18	23 29.73	+ 7 35.3	1.520	2.433	11.9	21.2
10 28	23 24.36	+ 7 10.9	1.580	2.418	15.7	21.4

247961 2003 YA_{123} 9 21.2 327°.07 7°.5/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.49	−23 7.9	2.231	3.115	10.7	19.6
8 29	0 9.93	−24 27.4	2.181	3.109	8.8	19.5
9 8	0 3.77	−25 38.8	2.157	3.103	7.6	19.4
9 18	23 56.60	−26 35.4	2.158	3.098	7.9	19.4
9 28	23 49.22	−27 11.2	2.184	3.093	9.3	19.5
10 8	23 42.48	−27 23.3	2.235	3.088	11.4	19.6
10 18	23 37.07	−27 11.5	2.307	3.083	13.5	19.7
10 28	23 33.52	−26 37.6	2.398	3.078	15.3	19.9

355699 2008 FX_{46} 9 21.2 78°.20 0°.8/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.35	+ 0 48.3	2.035	2.907	12.1	20.3
8 29	0 9.08	− 0 17.6	1.975	2.916	8.8	20.1
9 8	0 3.25	− 1 34.5	1.939	2.925	5.0	19.9
9 18	23 56.47	− 2 56.9	1.930	2.933	1.2	19.6
9 28	23 49.51	− 4 17.6	1.950	2.942	3.3	19.8
10 8	23 43.19	− 5 30.1	1.997	2.951	7.0	20.1
10 18	23 38.17	− 6 29.1	2.071	2.960	10.4	20.3
10 28	23 34.97	− 7 11.4	2.168	2.969	13.3	20.5

170647 2003 YA_{113} 9 21.2 241°.54 5°.7/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.14	+17 0.7	2.099	2.891	14.7	20.0
8 29	0 12.83	+17 24.4	2.010	2.883	12.1	19.8
9 8	0 5.62	+17 28.6	1.943	2.875	9.3	19.7
9 18	23 57.10	+17 12.6	1.900	2.867	6.7	19.5
9 28	23 48.13	+16 37.9	1.883	2.858	5.7	19.4
10 8	23 39.67	+15 49.1	1.894	2.850	7.2	19.5
10 18	23 32.60	+14 52.4	1.932	2.841	10.0	19.6
10 28	23 27.60	+13 55.1	1.993	2.832	12.9	19.8

387674 2002 SP_{67} 9 21.2 34°.14 3°.6/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.39	− 7 39.4	1.573	2.467	13.8	20.4
8 29	0 12.39	− 8 26.0	1.522	2.473	10.0	20.2
9 8	0 5.32	− 9 16.5	1.493	2.480	6.0	20.0
9 18	23 57.00	−10 4.0	1.489	2.487	3.6	19.9
9 28	23 48.48	−10 41.2	1.512	2.494	5.9	20.0
10 8	23 40.88	−11 2.8	1.561	2.502	9.7	20.3
10 18	23 35.06	−11 5.9	1.633	2.510	13.4	20.5
10 28	23 31.62	−10 50.0	1.725	2.519	16.5	20.8

99036 2001 EV_2 9 21.2 164°.08 4°.8/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.41	−13 56.7	2.348	3.230	10.3	20.3
8 29	0 11.87	−15 11.8	2.295	3.236	7.7	20.1
9 8	0 4.83	−16 25.6	2.268	3.242	5.5	20.0
9 18	23 56.87	−17 31.8	2.269	3.246	4.9	20.0
9 28	23 48.74	−18 24.4	2.298	3.250	6.5	20.1
10 8	23 41.22	−18 59.5	2.355	3.254	9.0	20.2
10 18	23 34.99	−19 15.3	2.436	3.257	11.5	20.4
10 28	23 30.54	−19 12.1	2.539	3.259	13.7	20.6

140044 2001 SJ_{80} 9 21.2 98°.06 3°.3/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.50	+10 38.5	2.038	2.864	13.9	19.7
8 29	0 12.85	+10 41.7	1.974	2.878	10.8	19.6
9 8	0 5.47	+10 28.5	1.933	2.893	7.4	19.4
9 18	23 57.03	+10 0.6	1.917	2.907	4.3	19.2
9 28	23 48.39	+ 9 21.5	1.929	2.920	3.6	19.2
10 8	23 40.46	+ 8 36.6	1.970	2.934	6.2	19.4
10 18	23 34.00	+ 7 51.5	2.037	2.947	9.5	19.6
10 28	23 29.54	+ 7 11.8	2.128	2.960	12.4	19.8

321572 2009 TG 9 21.2 114°.03 5°.2/15.7 18

8 19	0 18.19	−16 43.2	2.323	3.204	10.5	20.6
8 29	0 12.44	−17 23.2	2.267	3.205	7.9	20.5
9 8	0 5.16	−17 59.2	2.236	3.206	5.8	20.3
9 18	23 56.95	−18 25.9	2.232	3.207	5.2	20.3
9 28	23 48.59	−18 38.6	2.256	3.207	6.7	20.4
10 8	23 40.89	−18 34.8	2.307	3.208	9.1	20.6
10 18	23 34.52	−18 13.9	2.382	3.209	11.6	20.7
10 28	23 29.99	−17 36.7	2.479	3.209	13.7	20.9

278226 2007 EX_{89} 9 21.2 295°.35 0°.9/20.4 18

8 19	0 15.11	+ 1 6.4	1.481	2.364	15.2	20.7
8 29	0 11.05	+ 0 6.8	1.408	2.354	11.1	20.4
9 8	0 4.75	− 1 9.2	1.357	2.344	6.5	20.1
9 18	23 56.91	− 2 35.3	1.330	2.334	1.6	19.8
9 28	23 48.60	− 4 2.0	1.330	2.324	4.1	19.9
10 8	23 41.04	− 5 19.6	1.356	2.314	9.1	20.2
10 18	23 35.24	− 6 20.3	1.405	2.305	13.7	20.4
10 28	23 31.96	− 6 59.2	1.475	2.295	17.5	20.7

331402 2012 FY_{39} 9 21.2 98°.06 3°.4/24.3 17

8 19	0 21.41	+10 42.7	1.618	2.453	16.5	21.1
8 29	0 15.21	+10 29.0	1.566	2.477	12.7	20.9
9 8	0 6.92	+ 9 54.6	1.535	2.500	8.6	20.7
9 18	23 57.39	+ 9 2.3	1.529	2.522	4.6	20.5
9 28	23 47.74	+ 7 58.1	1.550	2.544	3.8	20.5
10 8	23 39.10	+ 6 50.0	1.599	2.565	7.2	20.8
10 18	23 32.36	+ 5 45.7	1.673	2.586	11.1	21.1
10 28	23 28.09	+ 4 51.9	1.771	2.605	14.4	21.3

176657 2002 ON 9 21.2 15°.34 8°.4/29.2 18

8 19	0 14.96	+20 53.7	1.491	2.292	19.3	19.0
8 29	0 11.01	+21 30.2	1.425	2.296	16.3	18.9
9 8	0 4.74	+21 37.6	1.377	2.301	13.0	18.7
9 18	23 56.90	+21 13.8	1.349	2.307	10.0	18.5
9 28	23 48.65	+20 21.1	1.345	2.313	8.4	18.4
10 8	23 41.23	+19 6.5	1.364	2.320	9.4	18.5
10 18	23 35.70	+17 40.3	1.407	2.328	12.1	18.7
10 28	23 32.79	+16 13.4	1.473	2.337	15.2	18.9

174792 2003 WO_{133} 9 21.2 215°.99 5°.1/17.0 18

8 19	0 20.22	−10 20.3	1.502	2.396	14.4	20.3
8 29	0 14.67	−11 24.6	1.443	2.394	10.5	20.1
9 8	0 6.79	−12 31.4	1.408	2.391	6.8	19.8
9 18	23 57.40	−13 32.1	1.397	2.389	5.1	19.7
9 28	23 47.68	−14 18.0	1.413	2.386	7.5	19.9
10 8	23 38.90	−14 42.7	1.454	2.383	11.3	20.1
10 18	23 32.08	−14 44.0	1.517	2.380	15.1	20.3
10 28	23 27.90	−14 22.1	1.600	2.376	18.3	20.5

336762 2011 AG_{27} 9 21.2 319°.27 21°.6/ 4.4 16

8 19	0 25.31	+34 9.0	1.057	1.800	28.9	19.9
8 29	0 20.68	+37 19.4	0.994	1.791	26.9	19.7
9 8	0 11.68	+39 54.2	0.943	1.782	24.8	19.5
9 18	23 58.90	+41 37.8	0.905	1.774	23.0	19.3
9 28	23 44.15	+42 17.8	0.883	1.766	21.9	19.2
10 8	23 30.12	+41 52.2	0.876	1.759	21.7	19.2
10 18	23 19.43	+40 30.5	0.884	1.752	22.6	19.2
10 28	23 13.84	+38 31.6	0.907	1.747	24.3	19.3

444162 2005 GN_{129} 9 21.2 183°.02 3°.0/18.2 18

8 19	0 16.74	− 6 46.3	1.981	2.864	11.9	21.3
8 29	0 11.64	− 7 39.5	1.917	2.864	8.6	21.1
9 8	0 4.82	− 8 37.4	1.878	2.864	5.1	20.9
9 18	23 56.90	− 9 34.0	1.866	2.864	3.0	20.7
9 28	23 48.74	−10 23.0	1.883	2.864	5.0	20.9
10 8	23 41.24	−10 59.1	1.926	2.863	8.4	21.1
10 18	23 35.18	−11 18.9	1.994	2.863	11.7	21.3
10 28	23 31.11	−11 21.3	2.084	2.862	14.5	21.5

73653 1981 EN_{6} 9 21.2 53°.23 5°.7/25.8 18

8 19	0 19.71	+13 53.0	1.168	2.016	20.8	18.9
8 29	0 14.56	+14 1.6	1.126	2.038	16.4	18.7
9 8	0 6.77	+13 40.7	1.101	2.061	11.7	18.5
9 18	23 57.38	+12 52.0	1.098	2.084	7.3	18.3
9 28	23 47.86	+11 42.3	1.118	2.108	5.8	18.3
10 8	23 39.66	+10 22.8	1.162	2.131	8.8	18.6
10 18	23 33.86	+ 9 4.7	1.230	2.155	13.0	18.9
10 28	23 31.07	+ 7 57.8	1.318	2.179	16.8	19.2

307034 2001 XG_{186} 9 21.2 246°.97 3°.0/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 14.98	− 7 33.7	2.340	3.221	10.4	21.0
8 29	0 10.23	− 8 33.6	2.262	3.208	7.5	20.8
9 8	0 3.97	− 9 37.8	2.211	3.195	4.6	20.6
9 18	23 56.70	−10 41.0	2.187	3.182	3.0	20.5
9 28	23 49.13	−11 37.3	2.192	3.169	4.8	20.6
10 8	23 42.04	−12 21.6	2.225	3.155	7.9	20.8
10 18	23 36.11	−12 50.6	2.283	3.141	10.9	21.0
10 28	23 31.89	−13 2.6	2.364	3.126	13.5	21.1

252175 2001 DH_{21} 9 21.2 177°.55 3°.2/17.1 18

8 19	0 15.80	−10 55.6	2.773	3.651	9.1	20.9
8 29	0 10.52	−11 39.6	2.710	3.652	6.6	20.8
9 8	0 3.99	−12 23.9	2.673	3.653	4.3	20.6
9 18	23 56.68	−13 4.3	2.664	3.654	3.2	20.6
9 28	23 49.21	−13 36.6	2.685	3.654	4.7	20.7
10 8	23 42.24	−13 57.6	2.734	3.654	7.1	20.8
10 18	23 36.30	−14 5.5	2.810	3.654	9.5	21.0
10 28	23 31.86	−13 59.7	2.908	3.653	11.6	21.1

474228 2001 DK_{108} 9 21.2 266°.88 5°.6/24.5 18

8 19	0 30.26	+11 42.3	1.964	2.765	15.2	20.8
8 29	0 22.07	+12 58.5	1.863	2.748	12.3	20.6
9 8	0 11.30	+14 2.3	1.787	2.731	9.1	20.4
9 18	23 58.61	+14 50.5	1.737	2.713	6.3	20.2
9 28	23 45.05	+15 21.9	1.717	2.695	5.8	20.1
10 8	23 31.94	+15 37.9	1.727	2.677	8.2	20.2
10 18	23 20.47	+15 42.5	1.764	2.658	11.6	20.4
10 28	23 11.60	+15 41.7	1.826	2.640	14.9	20.5

386730 2010 AA_{30} 9 21.2 194°.02 9°.6/10.2 18

8 19	0 29.23	−34 46.9	2.555	3.381	11.4	22.2
8 29	0 20.46	−35 43.5	2.511	3.378	10.2	22.1
9 8	0 9.82	−36 23.9	2.492	3.375	9.6	22.1
9 18	23 58.11	−36 41.5	2.498	3.371	9.8	22.1
9 28	23 46.34	−36 32.5	2.530	3.366	10.9	22.1
10 8	23 35.53	−35 56.4	2.586	3.360	12.3	22.2
10 18	23 26.47	−34 55.7	2.664	3.354	13.8	22.3
10 28	23 19.72	−33 34.5	2.760	3.346	15.2	22.5

147521 2004 DK_{41} 9 21.2 106°.42 2°.8/18.8 17

8 19	0 21.36	− 5 33.6	1.713	2.593	13.6	20.2
8 29	0 15.02	− 6 25.5	1.668	2.613	9.8	20.0
9 8	0 6.75	− 7 22.6	1.647	2.633	5.7	19.8
9 18	23 57.36	− 8 18.1	1.653	2.653	2.8	19.7
9 28	23 47.91	− 9 5.3	1.687	2.671	5.0	19.9
10 8	23 39.45	− 9 38.5	1.748	2.690	8.8	20.2
10 18	23 32.77	− 9 55.0	1.833	2.707	12.3	20.4
10 28	23 28.42	− 9 53.9	1.940	2.724	15.3	20.7

253450 2003 RU_{21} 9 21.3 352°.35 5°.7/24.9 18

8 19	0 7.58	+10 3.1	0.828	1.729	22.3	19.1
8 29	0 6.68	+10 36.2	0.770	1.716	17.7	18.8
9 8	0 2.71	+10 38.4	0.728	1.705	12.5	18.5
9 18	23 56.50	+10 9.3	0.702	1.697	7.4	18.2
9 28	23 49.58	+ 9 14.4	0.696	1.692	6.0	18.1
10 8	23 43.74	+ 8 5.9	0.710	1.689	10.4	18.4
10 18	23 40.48	+ 6 57.7	0.742	1.689	15.9	18.7
10 28	23 40.75	+ 6 2.5	0.790	1.691	20.9	19.0

181529 2006 UM_{134} 9 21.3 220°.50 1°.1/20.1 18

8 19	0 15.23	− 1 13.4	2.106	2.978	11.8	21.0
8 29	0 10.50	− 1 57.9	2.035	2.976	8.5	20.8
9 8	0 4.15	− 2 51.3	1.987	2.973	4.9	20.6
9 18	23 56.76	− 3 48.9	1.967	2.970	1.4	20.3
9 28	23 49.11	− 4 45.0	1.975	2.967	3.4	20.5
10 8	23 42.03	− 5 33.8	2.011	2.964	7.1	20.7
10 18	23 36.24	− 6 11.1	2.074	2.960	10.5	20.9
10 28	23 32.31	− 6 33.8	2.159	2.957	13.4	21.1

378656 2008 GB_{73} 9 21.3 102°.54 2°.2/19.6 16

8 19	0 21.80	− 4 24.4	1.529	2.412	14.8	21.3
8 29	0 15.65	− 4 55.5	1.476	2.422	10.7	21.0
9 8	0 7.28	− 5 33.5	1.445	2.432	6.2	20.8
9 18	23 57.53	− 6 12.4	1.439	2.441	2.3	20.6
9 28	23 47.60	− 6 45.3	1.461	2.450	4.7	20.8
10 8	23 38.68	− 7 6.6	1.509	2.460	9.1	21.1
10 18	23 31.72	− 7 12.7	1.581	2.469	13.2	21.3
10 28	23 27.36	− 7 2.4	1.674	2.477	16.5	21.6

386902 2011 HH_{33} 9 21.3 187°.89 0°.6/21.9 18

8 19	0 16.12	+ 5 31.1	1.935	2.789	13.4	21.9
8 29	0 11.29	+ 4 31.4	1.860	2.789	10.0	21.7
9 8	0 4.68	+ 3 15.2	1.809	2.788	6.1	21.5
9 18	23 56.91	+ 1 47.3	1.784	2.787	1.8	21.2
9 28	23 48.84	+ 0 14.9	1.789	2.785	2.7	21.3
10 8	23 41.40	− 1 14.0	1.821	2.783	6.9	21.5
10 18	23 35.39	− 2 32.2	1.881	2.780	10.8	21.8
10 28	23 31.40	− 3 34.5	1.964	2.777	14.0	22.0

212803 2007 TS_{317} 9 21.3 317°.88 0°.5/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 15.36	+ 3 19.3	1.784	2.650	13.8	20.9
8 29	0 10.87	+ 2 45.8	1.712	2.647	10.2	20.6
9 8	0 4.49	+ 1 58.3	1.662	2.644	6.2	20.4
9 18	23 56.87	+ 1 0.8	1.638	2.641	1.7	20.1
9 28	23 48.92	− 0 0.4	1.642	2.638	2.9	20.2
10 8	23 41.63	− 0 58.3	1.672	2.635	7.3	20.5
10 18	23 35.85	− 1 46.7	1.728	2.633	11.3	20.7
10 28	23 32.21	− 2 21.1	1.807	2.630	14.7	20.9

490305 2009 BK_{22} 9 21.3 251°.29 3°.9/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.13	+11 14.3	2.120	2.937	13.7	22.2
8 29	0 14.30	+11 34.1	2.025	2.922	10.9	21.9
9 8	0 6.54	+11 38.5	1.952	2.907	7.7	21.7
9 18	23 57.40	+11 27.6	1.905	2.891	4.8	21.5
9 28	23 47.75	+11 3.3	1.887	2.875	4.1	21.4
10 8	23 38.56	+10 30.0	1.897	2.858	6.7	21.6
10 18	23 30.72	+ 9 53.0	1.933	2.841	10.0	21.7
10 28	23 24.94	+ 9 18.3	1.994	2.824	13.2	21.9

353226 2010 AF_{94} 9 21.3 350°.12 4°.2/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.71	+10 52.4	1.672	2.508	16.0	20.7
8 29	0 13.51	+11 12.7	1.598	2.507	12.6	20.5
9 8	0 6.14	+11 14.3	1.545	2.506	8.8	20.2
9 18	23 57.30	+10 57.5	1.516	2.505	5.3	20.0
9 28	23 48.03	+10 25.6	1.514	2.504	4.5	20.0
10 8	23 39.49	+ 9 44.3	1.538	2.504	7.5	20.2
10 18	23 32.67	+ 9 0.8	1.587	2.503	11.3	20.4
10 28	23 28.28	+ 8 21.8	1.659	2.503	14.8	20.6

255438 2005 XE_{87} 9 21.3 263°.29 2°.8/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.60	− 7 41.8	2.308	3.189	10.6	21.1
8 29	0 10.70	− 8 26.1	2.232	3.177	7.6	20.9
9 8	0 4.26	− 9 14.0	2.181	3.166	4.6	20.7
9 18	23 56.81	−10 0.5	2.157	3.154	2.8	20.6
9 28	23 49.07	−10 40.4	2.162	3.141	4.6	20.7
10 8	23 41.83	−11 9.2	2.195	3.129	7.7	20.8
10 18	23 35.78	−11 24.0	2.253	3.117	10.7	21.0
10 28	23 31.47	−11 23.4	2.334	3.104	13.4	21.2

241107 2007 LQ_{14} 9 21.3 339°.64 12°.6/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.84	−27 45.0	1.339	2.232	15.8	19.0
8 29	0 14.08	−29 22.7	1.298	2.223	13.7	18.9
9 8	0 6.61	−30 43.2	1.277	2.214	12.6	18.8
9 18	23 57.41	−31 34.3	1.278	2.207	13.1	18.8
9 28	23 47.92	−31 47.2	1.300	2.200	15.0	18.9
10 8	23 39.62	−31 19.7	1.342	2.194	17.5	19.1
10 18	23 33.65	−30 14.9	1.401	2.189	20.1	19.2
10 28	23 30.70	−28 39.1	1.475	2.184	22.4	19.4

516089 2015 TO_{358} 9 21.3 30°.14 2°.2/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.31	− 5 49.1	1.847	2.729	12.7	20.7
8 29	0 12.83	− 6 7.5	1.789	2.735	9.2	20.5
9 8	0 5.53	− 6 30.2	1.754	2.741	5.3	20.2
9 18	23 57.11	− 6 52.5	1.746	2.748	2.3	20.1
9 28	23 48.51	− 7 9.3	1.766	2.755	4.3	20.2
10 8	23 40.69	− 7 16.6	1.813	2.762	8.0	20.5
10 18	23 34.44	− 7 11.7	1.885	2.769	11.5	20.7
10 28	23 30.33	− 6 53.5	1.979	2.777	14.5	20.9

364057 2005 WC_{162} 9 21.3 223°.48 1°.5/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.37	+ 6 50.2	2.490	3.329	11.3	21.5
8 29	0 9.71	+ 6 25.4	2.406	3.323	8.6	21.3
9 8	0 3.65	+ 5 48.1	2.346	3.317	5.5	21.1
9 18	23 56.65	+ 5 0.7	2.312	3.311	2.3	20.9
9 28	23 49.40	+ 4 7.1	2.308	3.304	2.3	20.9
10 8	23 42.58	+ 3 12.4	2.333	3.297	5.4	21.1
10 18	23 36.84	+ 2 21.2	2.386	3.290	8.6	21.3
10 28	23 32.70	+ 1 38.0	2.463	3.282	11.3	21.4

172908 2005 GV_{92} 9 21.3 88°.70 1°.8/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.67	− 3 12.3	1.864	2.743	12.7	20.5
8 29	0 11.68	− 3 54.7	1.801	2.746	9.2	20.3
9 8	0 4.89	− 4 44.8	1.762	2.749	5.3	20.1
9 18	23 56.96	− 5 37.2	1.750	2.752	1.9	19.8
9 28	23 48.80	− 6 25.5	1.765	2.755	4.1	20.0
10 8	23 41.35	− 7 4.1	1.808	2.758	7.9	20.2
10 18	23 35.40	− 7 28.8	1.876	2.761	11.5	20.5
10 28	23 31.53	− 7 37.6	1.965	2.764	14.6	20.7

316536 2010 WT_{35} 9 21.3 274°.53 0°.7/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 8.22	− 2 43.4	4.394	5.258	6.3	21.6
8 29	0 4.73	− 3 11.1	4.311	5.249	4.5	21.5
9 8	0 0.52	− 3 42.2	4.255	5.239	2.6	21.3
9 18	23 55.86	− 4 14.7	4.227	5.230	0.8	21.2
9 28	23 51.07	− 4 46.3	4.231	5.221	1.8	21.2
10 8	23 46.50	− 5 14.8	4.264	5.212	3.8	21.4
10 18	23 42.48	− 5 38.1	4.325	5.203	5.7	21.5
10 28	23 39.29	− 5 54.8	4.412	5.194	7.3	21.6

52256 1981 EM_{38} 9 21.3 262°.24 1°.9/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 16.65	+ 6 44.6	2.041	2.886	13.2	20.1
8 29	0 11.71	+ 6 33.4	1.955	2.875	10.1	19.9
9 8	0 4.98	+ 6 7.8	1.891	2.863	6.5	19.7
9 18	23 57.01	+ 5 30.1	1.854	2.852	2.9	19.4
9 28	23 48.65	+ 4 44.2	1.844	2.840	2.8	19.4
10 8	23 40.81	+ 3 55.8	1.863	2.828	6.4	19.6
10 18	23 34.31	+ 3 10.7	1.908	2.816	10.2	19.8
10 28	23 29.79	+ 2 34.0	1.977	2.804	13.4	20.0

468302 2015 FO_{211} 9 21.3 305°.06 2°.2/16.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 8.69	−11 1.2	4.241	5.119	6.2	21.1
8 29	0 5.09	−11 36.0	4.172	5.115	4.5	20.9
9 8	0 0.73	−12 11.0	4.131	5.111	2.9	20.8
9 18	23 55.91	−12 43.5	4.118	5.107	2.2	20.8
9 28	23 50.98	−13 11.2	4.135	5.103	3.2	20.8
10 8	23 46.31	−13 31.8	4.181	5.100	4.9	21.0
10 18	23 42.23	−13 44.0	4.254	5.096	6.6	21.1
10 28	23 39.04	−13 46.8	4.352	5.092	8.1	21.2

29468 1997 UC 9 21.3 30°.86 1°.4/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.79	+ 9 47.5	1.181	2.057	18.8	17.6
8 29	0 8.08	+ 8 13.5	1.131	2.068	14.1	17.3
9 8	0 3.03	+ 6 9.4	1.101	2.081	8.8	17.1
9 18	23 56.52	+ 3 44.3	1.094	2.095	3.2	16.8
9 28	23 49.79	+ 1 12.7	1.112	2.110	3.4	16.9
10 8	23 44.10	− 1 9.8	1.155	2.125	8.8	17.2
10 18	23 40.40	− 3 10.3	1.223	2.141	13.7	17.6
10 28	23 39.31	− 4 41.4	1.311	2.158	17.7	17.9

121263 1999 RO_{98} 9 21.3 341°.28 2°.5/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.53	− 5 35.7	1.754	2.643	12.9	19.3
8 29	0 11.02	− 6 8.4	1.685	2.635	9.4	19.1
9 8	0 4.60	− 6 46.8	1.640	2.628	5.5	18.8
9 18	23 56.92	− 7 25.6	1.621	2.622	2.5	18.6
9 28	23 48.92	− 7 58.5	1.629	2.616	4.7	18.8
10 8	23 41.60	− 8 20.2	1.662	2.611	8.6	19.0
10 18	23 35.84	− 8 27.1	1.720	2.606	12.4	19.2
10 28	23 32.24	− 8 17.6	1.799	2.602	15.6	19.4

391937 2008 UE_{358} 9 21.3 323°.71 2°.5/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.24	+ 6 51.1	1.580	2.439	15.7	20.5
8 29	0 12.55	+ 6 51.1	1.505	2.432	12.0	20.2
9 8	0 5.64	+ 6 33.9	1.451	2.425	7.8	20.0
9 18	23 57.21	+ 6 1.6	1.421	2.419	3.6	19.7
9 28	23 48.32	+ 5 18.9	1.417	2.413	3.4	19.7
10 8	23 40.15	+ 4 32.7	1.439	2.407	7.6	19.9
10 18	23 33.72	+ 3 50.0	1.486	2.402	11.9	20.2
10 28	23 29.76	+ 3 17.0	1.555	2.397	15.7	20.4

264144 2009 UJ_{91} 9 21.3 333°.27 0°.6/20.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 7.58	− 1 49.3	4.328	5.191	6.4	20.3
8 29	0 4.28	− 2 22.3	4.252	5.189	4.6	20.2
9 8	0 0.26	− 2 59.2	4.203	5.188	2.6	20.1
9 18	23 55.80	− 3 37.8	4.184	5.187	0.7	19.9
9 28	23 51.24	− 4 15.7	4.194	5.185	1.8	20.0
10 8	23 46.92	− 4 50.5	4.234	5.184	3.8	20.2
10 18	23 43.15	− 5 20.0	4.303	5.183	5.7	20.3
10 28	23 40.21	− 5 42.6	4.397	5.182	7.3	20.4

246904 1998 FD_{10} 9 21.3 204°.64 0°.5/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.57	+ 1 40.8	2.041	2.896	12.8	20.7
8 29	0 15.22	+ 1 37.5	1.963	2.892	9.5	20.5
9 8	0 7.00	+ 1 24.4	1.908	2.888	5.7	20.3
9 18	23 57.52	+ 1 4.4	1.880	2.883	1.7	20.0
9 28	23 47.70	+ 0 41.3	1.882	2.878	2.7	20.1
10 8	23 38.51	+ 0 19.8	1.912	2.872	6.8	20.3
10 18	23 30.78	+ 0 3.9	1.969	2.866	10.5	20.5
10 28	23 25.17	− 0 2.9	2.050	2.859	13.7	20.7

491882 2013 BW_{56} 9 21.3 197°.64 1°.1/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 8.05	+ 7 12.9	4.977	5.800	6.3	22.5
8 29	0 4.54	+ 6 59.6	4.891	5.798	4.8	22.4
9 8	0 0.39	+ 6 40.2	4.831	5.796	3.1	22.2
9 18	23 55.83	+ 6 15.9	4.799	5.794	1.5	22.1
9 28	23 51.18	+ 5 48.3	4.797	5.792	1.3	22.1
10 8	23 46.73	+ 5 19.4	4.826	5.789	2.9	22.2
10 18	23 42.76	+ 4 51.1	4.884	5.787	4.6	22.4
10 28	23 39.54	+ 4 25.5	4.970	5.784	6.1	22.5

165025 2000 DT_{7} 9 21.3 174°.57 0°.5/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.71	+ 3 11.0	1.931	2.791	13.2	20.8
8 29	0 11.72	+ 2 44.4	1.859	2.792	9.8	20.6
9 8	0 4.94	+ 2 5.2	1.812	2.792	5.9	20.4
9 18	23 57.00	+ 1 17.2	1.790	2.793	1.7	20.1
9 28	23 48.79	+ 0 25.8	1.797	2.793	2.7	20.2
10 8	23 41.22	− 0 23.0	1.831	2.793	6.8	20.5
10 18	23 35.09	− 1 3.9	1.891	2.793	10.6	20.7
10 28	23 31.00	− 1 32.6	1.974	2.793	13.8	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
60473 2000 DY_{27}			9 21.3	45°.02	1°.3/19.8	18
	h m	° ′			°	m
8 19	0 13.26	− 1 45.4	2.209	3.084	11.2	19.0
8 29	0 8.97	− 2 34.8	2.145	3.088	8.1	18.8
9 8	0 3.22	− 3 32.0	2.105	3.092	4.6	18.6
9 18	23 56.56	− 4 32.3	2.093	3.096	1.4	18.4
9 28	23 49.71	− 5 30.2	2.110	3.100	3.3	18.5
10 8	23 43.42	− 6 20.2	2.154	3.105	6.8	18.7
10 18	23 38.33	− 6 58.4	2.224	3.109	10.0	18.9
10 28	23 34.95	− 7 22.1	2.318	3.114	12.7	19.1
424471 2008 CJ_{172}			9 21.3	154°.02	1°.0/20.4	17
8 19	0 20.86	− 0 43.6	1.804	2.672	13.6	22.2
8 29	0 14.77	− 1 23.2	1.741	2.680	9.9	22.0
9 8	0 6.72	− 2 12.8	1.702	2.687	5.7	21.8
9 18	23 57.44	− 3 7.1	1.690	2.694	1.5	21.5
9 28	23 47.94	− 3 59.9	1.707	2.700	3.6	21.7
10 8	23 39.24	− 4 44.7	1.751	2.705	7.8	21.9
10 18	23 32.20	− 5 16.9	1.821	2.710	11.6	22.2
10 28	23 27.44	− 5 33.7	1.914	2.714	14.9	22.4
85508 1997 UD_{7}			9 21.3	349°.23	4°.1/24.9	18
8 19	0 16.22	+12 1.6	1.549	2.390	16.8	19.5
8 29	0 11.82	+11 52.7	1.477	2.389	13.3	19.3
9 8	0 5.20	+11 20.6	1.425	2.388	9.3	19.1
9 18	23 57.10	+10 27.0	1.397	2.387	5.4	18.9
9 28	23 48.59	+ 9 17.0	1.394	2.386	4.4	18.8
10 8	23 40.85	+ 7 59.2	1.417	2.386	7.6	19.0
10 18	23 34.88	+ 6 42.7	1.465	2.386	11.7	19.2
10 28	23 31.40	+ 5 36.0	1.535	2.385	15.4	19.5
346951 2010 AU_{90}			9 21.3	144°.79	6°.2/28.3	18
8 19	0 17.85	+20 4.9	2.082	2.856	15.3	20.9
8 29	0 12.56	+20 16.9	2.005	2.863	12.8	20.7
9 8	0 5.45	+20 6.4	1.949	2.869	10.0	20.6
9 18	23 57.14	+19 33.0	1.917	2.874	7.4	20.4
9 28	23 48.52	+18 39.0	1.911	2.880	6.2	20.4
10 8	23 40.54	+17 29.9	1.932	2.885	7.3	20.5
10 18	23 34.00	+16 13.1	1.980	2.889	9.8	20.6
10 28	23 29.54	+14 56.4	2.052	2.894	12.4	20.8
513519 2009 UE_{98}			9 21.3	307°.60	3°.9/18.3	18
8 19	0 18.28	− 7 16.3	1.372	2.271	15.2	21.1
8 29	0 13.67	− 8 0.5	1.298	2.252	11.1	20.8
9 8	0 6.48	− 8 51.6	1.245	2.233	6.8	20.5
9 18	23 57.46	− 9 41.7	1.216	2.215	3.9	20.3
9 28	23 47.83	−10 22.1	1.212	2.197	6.6	20.4
10 8	23 38.98	−10 45.0	1.233	2.179	11.2	20.6
10 18	23 32.13	−10 46.4	1.276	2.162	15.7	20.9
10 28	23 28.13	−10 24.9	1.337	2.146	19.6	21.1
187418 2005 VN_{80}			9 21.3	320°.84	0°.6/20.6	18
8 19	0 14.05	+ 0 17.8	1.896	2.771	12.7	20.5
8 29	0 9.86	− 0 21.1	1.821	2.763	9.3	20.2
9 8	0 3.90	− 1 11.2	1.769	2.755	5.4	20.0
9 18	23 56.77	− 2 7.8	1.743	2.747	1.3	19.7
9 28	23 49.30	− 3 4.8	1.745	2.739	3.2	19.8
10 8	23 42.42	− 3 55.8	1.774	2.732	7.4	20.1
10 18	23 36.93	− 4 35.6	1.828	2.725	11.2	20.3
10 28	23 33.43	− 5 0.5	1.904	2.718	14.4	20.5
120897 1998 SD_{21}			9 21.3	291°.74	0°.4/20.8	18
8 19	0 15.19	− 0 5.7	2.192	3.060	11.6	19.9
8 29	0 10.54	− 0 30.2	2.106	3.044	8.5	19.7
9 8	0 4.25	− 1 3.8	2.044	3.028	5.0	19.5
9 18	23 56.86	− 1 42.8	2.009	3.012	1.2	19.2
9 28	23 49.10	− 2 22.7	2.002	2.996	2.9	19.3
10 8	23 41.82	− 2 58.4	2.023	2.981	6.7	19.5
10 18	23 35.74	− 3 25.8	2.071	2.965	10.2	19.7
10 28	23 31.47	− 3 41.4	2.142	2.949	13.2	19.9
390336 2013 CX_{43}			9 21.3	260°.92	1°.3/18.5	16
8 19	0 8.13	− 6 26.9	4.466	5.338	6.0	21.4
8 29	0 4.66	− 6 59.5	4.391	5.332	4.3	21.2
9 8	0 0.49	− 7 34.0	4.342	5.327	2.5	21.1
9 18	23 55.88	− 8 8.3	4.323	5.321	1.3	21.0
9 28	23 51.15	− 8 39.9	4.333	5.316	2.4	21.1
10 8	23 46.66	− 9 6.7	4.374	5.310	4.2	21.2
10 18	23 42.71	− 9 26.9	4.442	5.304	5.9	21.3
10 28	23 39.59	− 9 39.4	4.535	5.298	7.4	21.4
50067 2000 AS_{75}			9 21.3	295°.97	0°.2/21.1	18
8 19	0 16.25	+ 2 7.2	1.405	2.286	16.0	19.4
8 29	0 12.10	+ 1 25.2	1.328	2.272	11.8	19.1
9 8	0 5.51	+ 0 25.6	1.272	2.258	7.0	18.8
9 18	23 57.22	− 0 46.1	1.240	2.244	1.7	18.4
9 28	23 48.35	− 2 1.4	1.234	2.230	3.8	18.6
10 8	23 40.22	− 3 10.5	1.253	2.216	9.2	18.8
10 18	23 33.96	− 4 5.2	1.296	2.203	14.0	19.1
10 28	23 30.40	− 4 40.0	1.359	2.190	18.2	19.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
474129 1995 SM_{30}			9 21.3	322°.23	9°.8/22.2	17
	h m	° ′			°	m
8 19	0 39.77	+ 9 54.3	1.337	2.157	20.1	20.9
8 29	0 31.45	+12 39.6	1.211	2.106	16.9	20.5
9 8	0 18.45	+15 29.8	1.108	2.054	13.2	20.2
9 18	0 0.89	+18 15.7	1.030	2.002	10.2	19.8
9 28	23 39.97	+20 44.3	0.982	1.951	10.6	19.7
10 8	23 18.02	+22 44.6	0.963	1.900	14.7	19.7
10 18	22 57.87	+24 12.8	0.969	1.850	20.0	19.9
10 28	22 41.97	+25 15.9	0.996	1.801	25.1	20.0
193591 2001 BV_{45}			9 21.3	281°.65	2°.0/23.3	18
8 19	0 14.35	+ 8 30.5	1.751	2.602	14.8	19.6
8 29	0 10.32	+ 7 48.2	1.665	2.588	11.3	19.4
9 8	0 4.30	+ 6 45.3	1.600	2.573	7.3	19.1
9 18	23 56.90	+ 5 25.0	1.560	2.559	3.2	18.8
9 28	23 49.03	+ 3 53.9	1.548	2.545	3.0	18.8
10 8	23 41.74	+ 2 20.7	1.563	2.530	7.2	19.0
10 18	23 35.94	+ 0 54.5	1.604	2.516	11.5	19.2
10 28	23 32.35	− 0 17.6	1.667	2.502	15.2	19.4
224995 2007 EO_{130}			9 21.3	44°.46	0°.2/21.0	18
8 19	0 14.48	+ 1 12.1	1.929	2.800	12.7	20.3
8 29	0 9.98	+ 0 36.7	1.874	2.813	9.3	20.1
9 8	0 3.85	− 0 9.3	1.842	2.826	5.4	19.9
9 18	23 56.73	− 1 1.2	1.836	2.840	1.3	19.7
9 28	23 49.47	− 1 53.5	1.858	2.853	2.9	19.8
10 8	23 42.90	− 2 40.2	1.907	2.867	6.8	20.1
10 18	23 37.74	− 3 16.7	1.983	2.882	10.3	20.3
10 28	23 34.49	− 3 39.9	2.081	2.896	13.3	20.6
462822 2010 RT_{171}			9 21.3	60°.35	0°.1/21.3	16
8 19	0 19.11	+ 3 13.0	1.145	2.031	18.5	21.6
8 29	0 14.10	+ 2 25.0	1.105	2.050	13.5	21.4
9 8	0 6.52	+ 1 18.2	1.085	2.070	7.9	21.1
9 18	23 57.40	+ 0 0.2	1.087	2.091	2.0	20.8
9 28	23 48.20	− 1 18.3	1.115	2.111	3.9	21.0
10 8	23 40.30	− 2 26.8	1.166	2.132	9.4	21.4
10 18	23 34.75	− 3 17.8	1.241	2.152	14.2	21.7
10 28	23 32.12	− 3 47.4	1.335	2.173	18.0	22.0
443650 2014 QU_{189}			9 21.3	290°.66	0°.8/20.2	18
8 19	0 12.36	+ 0 15.9	2.256	3.127	11.2	20.9
8 29	0 8.39	− 0 41.6	2.179	3.119	8.1	20.7
9 8	0 2.94	− 1 49.5	2.126	3.111	4.7	20.5
9 18	23 56.53	− 3 3.0	2.100	3.103	1.2	20.2
9 28	23 49.84	− 4 16.2	2.103	3.096	3.1	20.4
10 8	23 43.64	− 5 23.0	2.134	3.088	6.7	20.6
10 18	23 38.58	− 6 18.4	2.192	3.080	10.0	20.8
10 28	23 35.18	− 6 58.9	2.274	3.073	12.8	21.0
68297 2001 FH_{78}			9 21.3	23°.93	1°.4/23.1	18
8 19	0 11.65	+ 8 8.4	2.182	3.027	12.4	18.6
8 29	0 7.87	+ 7 14.4	2.108	3.029	9.4	18.4
9 8	0 2.62	+ 6 4.3	2.058	3.032	6.0	18.2
9 18	23 56.44	+ 4 41.9	2.035	3.034	2.5	18.0
9 28	23 50.04	+ 3 13.1	2.040	3.037	2.4	18.0
10 8	23 44.18	+ 1 44.9	2.074	3.040	5.9	18.3
10 18	23 39.50	+ 0 23.9	2.136	3.043	9.3	18.5
10 28	23 36.51	− 0 44.5	2.221	3.046	12.2	18.7
465865 2010 RD_{166}			9 21.3	32°.32	2°.1/20.2	17
8 19	0 23.69	− 4 58.8	0.943	1.849	19.6	20.0
8 29	0 17.82	− 4 49.8	0.907	1.864	14.2	19.7
9 8	0 8.82	− 4 48.1	0.890	1.880	8.2	19.5
9 18	23 57.98	− 4 47.7	0.894	1.897	2.6	19.2
9 28	23 47.11	− 4 42.0	0.921	1.915	5.4	19.5
10 8	23 37.92	− 4 25.7	0.971	1.934	11.0	19.9
10 18	23 31.64	− 3 56.5	1.041	1.954	16.1	20.2
10 28	23 28.85	− 3 13.5	1.130	1.975	20.1	20.5
482338 2011 UO_{391}			9 21.3	308°.95	8°.8/11.7	18
8 19	0 15.88	−21 8.2	1.712	2.607	12.8	20.5
8 29	0 11.52	−22 44.7	1.651	2.589	10.4	20.3
9 8	0 5.02	−24 14.9	1.615	2.571	8.9	20.2
9 18	23 57.08	−25 28.7	1.603	2.554	9.2	20.2
9 28	23 48.73	−26 17.5	1.615	2.537	11.1	20.3
10 8	23 41.12	−26 36.1	1.650	2.521	13.8	20.4
10 18	23 35.19	−26 24.0	1.706	2.504	16.6	20.5
10 28	23 31.66	−25 43.3	1.778	2.488	19.0	20.7
492377 2014 HH_{119}			9 21.3	338°.59	2°.6/18.6	16
8 19	0 14.26	− 4 3.4	1.732	2.621	13.0	21.3
8 29	0 10.11	− 5 8.8	1.667	2.618	9.4	21.1
9 8	0 4.08	− 6 23.0	1.626	2.615	5.5	20.9
9 18	23 56.83	− 7 39.0	1.611	2.612	2.6	20.7
9 28	23 49.27	− 8 48.9	1.623	2.609	5.0	20.9
10 8	23 42.41	− 9 45.3	1.662	2.607	8.9	21.1
10 18	23 37.08	−10 23.6	1.724	2.605	12.6	21.3
10 28	23 33.88	−10 41.5	1.808	2.603	15.8	21.5

167093 2003 SS_{29} 9 21.3 146°.95 1°.2/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 19.61	+ 4 33.5	2.067	2.914	12.9	20.2
8 29	0 13.69	+ 4 21.3	1.998	2.922	9.7	20.0
9 8	0 6.04	+ 3 57.0	1.953	2.929	6.0	19.8
9 18	23 57.30	+ 3 23.3	1.935	2.936	2.2	19.5
9 28	23 48.33	+ 2 44.6	1.946	2.942	2.6	19.6
10 8	23 40.03	+ 2 6.2	1.986	2.948	6.3	19.8
10 18	23 33.18	+ 1 32.7	2.052	2.954	9.9	20.1
10 28	23 28.32	+ 1 8.3	2.143	2.959	12.9	20.3

277566 2005 YZ_{153} 9 21.3 51°.30 3°.3/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.44	− 6 13.4	1.448	2.342	14.8	20.3
8 29	0 13.30	− 7 3.6	1.400	2.352	10.7	20.1
9 8	0 5.96	− 7 59.5	1.374	2.362	6.3	19.8
9 18	23 57.28	− 8 53.7	1.373	2.373	3.3	19.7
9 28	23 48.43	− 9 38.1	1.398	2.383	5.8	19.9
10 8	23 40.59	−10 6.4	1.449	2.394	9.9	20.1
10 18	23 34.69	−10 15.5	1.522	2.406	13.8	20.4
10 28	23 31.34	−10 4.7	1.616	2.417	17.1	20.7

386903 2011 HA_{41} 9 21.3 8°.48 6°.5/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.46	−11 15.2	1.335	2.246	14.7	20.3
8 29	0 9.93	−13 4.5	1.289	2.247	10.8	20.1
9 8	0 4.12	−14 56.3	1.265	2.248	7.5	19.9
9 18	23 56.84	−16 38.7	1.265	2.250	6.7	19.9
9 28	23 49.29	−18 0.0	1.290	2.253	9.3	20.0
10 8	23 42.69	−18 52.5	1.337	2.256	13.0	20.3
10 18	23 38.01	−19 13.5	1.406	2.260	16.5	20.5
10 28	23 35.90	−19 4.3	1.492	2.265	19.6	20.7

513474 2009 DC_{6} 9 21.3 281°.33 6°.3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.63	−13 34.2	1.776	2.674	12.3	20.8
8 29	0 10.47	−15 23.4	1.711	2.661	9.3	20.6
9 8	0 4.36	−17 14.4	1.672	2.647	6.8	20.4
9 18	23 56.92	−18 57.3	1.658	2.634	6.6	20.4
9 28	23 49.09	−20 22.4	1.671	2.621	8.8	20.5
10 8	23 41.89	−21 22.6	1.709	2.607	11.9	20.7
10 18	23 36.23	−21 54.8	1.770	2.594	15.0	20.8
10 28	23 32.76	−21 59.1	1.849	2.581	17.7	21.0

222777 2002 CA_{130} 9 21.3 103°.97 2°.1/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.16	+ 8 15.4	2.491	3.319	11.6	20.7
8 29	0 11.60	+ 8 6.3	2.429	3.338	8.9	20.5
9 8	0 4.69	+ 7 45.0	2.392	3.357	5.8	20.4
9 18	23 56.95	+ 7 13.3	2.381	3.376	2.9	20.2
9 28	23 49.10	+ 6 34.9	2.400	3.394	2.5	20.2
10 8	23 41.83	+ 5 54.0	2.449	3.413	5.2	20.4
10 18	23 35.75	+ 5 14.9	2.525	3.430	8.1	20.7
10 28	23 31.32	+ 4 41.6	2.627	3.447	10.7	20.9

320203 2007 HB_{8} 9 21.3 65°.51 1°.5/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.99	+ 7 22.6	2.217	3.062	12.3	21.1
8 29	0 8.80	+ 6 43.7	2.148	3.069	9.3	20.9
9 8	0 3.15	+ 5 50.4	2.102	3.075	5.9	20.7
9 18	23 56.59	+ 4 45.9	2.082	3.081	2.4	20.5
9 28	23 49.82	+ 3 35.5	2.091	3.087	2.4	20.5
10 8	23 43.61	+ 2 25.3	2.128	3.094	5.8	20.8
10 18	23 38.59	+ 1 21.0	2.193	3.100	9.1	21.0
10 28	23 35.28	+ 0 27.3	2.282	3.107	11.9	21.2

351432 2005 GO_{150} 9 21.3 317°.54 3°.9/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.91	− 9 2.7	1.788	2.679	12.6	20.7
8 29	0 11.99	− 9 56.6	1.726	2.676	9.2	20.5
9 8	0 5.16	−10 53.6	1.688	2.672	5.7	20.3
9 18	23 57.11	−11 47.0	1.675	2.669	3.9	20.2
9 28	23 48.77	−12 29.8	1.690	2.667	6.0	20.3
10 8	23 41.16	−12 56.5	1.731	2.664	9.5	20.5
10 18	23 35.13	−13 4.4	1.795	2.661	13.0	20.8
10 28	23 31.28	−12 52.8	1.881	2.659	15.9	21.0

217721 1999 VV_{119} 9 21.3 77°.67 1°.8/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.02	+ 7 19.7	2.144	2.987	12.7	20.6
8 29	0 10.28	+ 6 57.2	2.079	2.998	9.6	20.4
9 8	0 4.02	+ 6 20.6	2.038	3.010	6.2	20.2
9 18	23 56.80	+ 5 33.0	2.023	3.021	2.7	20.0
9 28	23 49.40	+ 4 38.8	2.037	3.033	2.5	20.0
10 8	23 42.63	+ 3 43.7	2.079	3.044	5.9	20.3
10 18	23 37.14	+ 2 53.1	2.147	3.056	9.2	20.5
10 28	23 33.46	+ 2 11.5	2.240	3.067	12.1	20.7

10118 1992 UK_{1} 9 21.3 32°.49 5°.4/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.49	+15 3.8	1.592	2.418	17.1	16.7
8 29	0 11.16	+15 13.2	1.531	2.428	13.8	16.5
9 8	0 4.76	+14 58.6	1.489	2.439	10.1	16.4
9 18	23 57.02	+14 20.7	1.470	2.450	6.7	16.2
9 28	23 49.00	+13 23.8	1.477	2.462	5.5	16.1
10 8	23 41.81	+12 15.4	1.509	2.475	7.6	16.3
10 18	23 36.36	+11 4.1	1.566	2.488	11.0	16.5
10 28	23 33.28	+ 9 58.4	1.646	2.501	14.3	16.8

147275 2002 YH_{29} 9 21.3 240°.40 0°.6/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.54	+ 3 27.1	1.806	2.666	14.0	20.4
8 29	0 13.32	+ 2 58.2	1.723	2.655	10.4	20.2
9 8	0 6.05	+ 2 14.9	1.663	2.643	6.3	19.9
9 18	23 57.37	+ 1 21.0	1.629	2.631	1.9	19.6
9 28	23 48.23	+ 0 22.3	1.623	2.619	3.0	19.6
10 8	23 39.70	− 0 34.1	1.644	2.606	7.5	19.9
10 18	23 32.72	− 1 21.9	1.691	2.593	11.6	20.1
10 28	23 27.99	− 1 56.3	1.761	2.579	15.2	20.3

102281 1999 TM_{59} 9 21.3 351°.86 1°.6/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.20	+ 4 9.3	1.414	2.288	16.3	19.7
8 29	0 12.68	+ 4 11.4	1.346	2.284	12.3	19.5
9 8	0 5.80	+ 3 57.6	1.299	2.280	7.7	19.2
9 18	23 57.31	+ 3 31.0	1.276	2.277	2.9	18.9
9 28	23 48.39	+ 2 56.8	1.278	2.275	3.3	18.9
10 8	23 40.31	+ 2 22.1	1.305	2.274	8.2	19.2
10 18	23 34.13	+ 1 53.5	1.356	2.273	12.8	19.5
10 28	23 30.63	+ 1 36.4	1.428	2.273	16.7	19.7

332717 2009 SJ_{171} 9 21.3 19°.08 5°.3/17.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.49	−10 11.7	1.169	2.076	16.6	20.3
8 29	0 14.53	−10 55.9	1.123	2.080	12.1	20.1
9 8	0 6.88	−11 41.6	1.098	2.085	7.7	19.8
9 18	23 57.56	−12 19.8	1.096	2.091	5.3	19.7
9 28	23 48.01	−12 41.6	1.118	2.098	7.8	19.9
10 8	23 39.72	−12 41.5	1.163	2.105	12.1	20.2
10 18	23 33.78	−12 18.1	1.229	2.114	16.3	20.5
10 28	23 30.86	−11 33.0	1.313	2.123	19.9	20.7

13399 1999 RJ_{88} 9 21.3 19°.50 0°.4/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.33	+ 4 27.5	1.870	2.735	13.3	16.9
8 29	0 8.57	+ 3 31.5	1.803	2.738	9.8	16.7
9 8	0 3.12	+ 2 20.3	1.760	2.742	5.9	16.5
9 18	23 56.61	+ 0 58.9	1.743	2.745	1.7	16.2
9 28	23 49.85	− 0 25.6	1.753	2.750	2.8	16.3
10 8	23 43.74	− 1 45.4	1.791	2.754	6.9	16.6
10 18	23 38.99	− 2 53.9	1.855	2.759	10.6	16.8
10 28	23 36.18	− 3 46.5	1.942	2.764	13.8	17.0

157760 2007 DD_{35} 9 21.3 51°.44 0°.1/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.30	+ 1 28.1	1.972	2.839	12.6	20.4
8 29	0 10.56	+ 0 58.9	1.917	2.854	9.2	20.2
9 8	0 4.20	+ 0 19.3	1.885	2.868	5.4	20.0
9 18	23 56.87	− 0 26.4	1.880	2.883	1.3	19.8
9 28	23 49.40	− 1 12.9	1.902	2.898	2.7	19.9
10 8	23 42.63	− 1 54.8	1.953	2.913	6.6	20.2
10 18	23 37.26	− 2 27.7	2.029	2.929	10.1	20.4
10 28	23 33.79	− 2 48.3	2.129	2.944	13.0	20.6

471907 2013 CS_{61} 9 21.3 262°.71 1°.6/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 9.07	+ 9 29.8	4.455	5.268	7.1	21.2
8 29	0 5.38	+ 9 23.4	4.365	5.263	5.5	21.1
9 8	0 0.95	+ 9 9.6	4.301	5.258	3.8	20.9
9 18	23 56.05	+ 8 49.3	4.264	5.254	2.1	20.8
9 28	23 51.02	+ 8 24.2	4.258	5.249	1.8	20.8
10 8	23 46.21	+ 7 56.4	4.281	5.244	3.2	20.9
10 18	23 41.95	+ 7 28.2	4.333	5.239	5.0	21.0
10 28	23 38.54	+ 7 1.9	4.413	5.234	6.7	21.1

136838 1997 WG_{22} 9 21.3 85°.70 7°.4/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.55	−21 16.5	1.934	2.814	12.3	19.2
8 29	0 15.12	−22 9.7	1.894	2.825	9.7	19.1
9 8	0 6.85	−22 53.8	1.878	2.835	7.8	19.0
9 18	23 57.52	−23 22.1	1.888	2.845	7.5	19.0
9 28	23 48.14	−23 29.3	1.924	2.856	9.0	19.1
10 8	23 39.71	−23 13.6	1.985	2.866	11.4	19.3
10 18	23 33.00	−22 35.8	2.070	2.876	13.8	19.5
10 28	23 28.53	−21 38.7	2.174	2.886	15.9	19.7

315840 2008 HU_{8} 9 21.3 220°.42 4°.7/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.92	−12 28.7	2.163	3.052	10.8	20.8
8 29	0 10.28	−13 40.3	2.104	3.050	8.0	20.6
9 8	0 4.06	−14 52.1	2.071	3.049	5.5	20.4
9 18	23 56.85	−15 57.6	2.064	3.048	4.7	20.4
9 28	23 49.42	−16 50.4	2.086	3.046	6.5	20.5
10 8	23 42.59	−17 25.8	2.134	3.045	9.3	20.7
10 18	23 37.06	−17 41.8	2.206	3.043	12.0	20.9
10 28	23 33.34	−17 38.1	2.299	3.041	14.4	21.0

75444 1999 XU_{131} 9 21.3 122°.42 1°.0/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.97	− 1 42.1	1.586	2.461	14.8	19.0
8 29	0 15.82	− 2 3.2	1.526	2.468	10.8	18.8
9 8	0 7.46	− 2 33.6	1.490	2.475	6.2	18.5
9 18	23 57.72	− 3 8.4	1.479	2.482	1.6	18.2
9 28	23 47.73	− 3 41.4	1.495	2.489	3.8	18.4
10 8	23 38.67	− 4 6.5	1.538	2.495	8.4	18.7
10 18	23 31.51	− 4 19.7	1.606	2.501	12.6	19.0
10 28	23 26.88	− 4 18.4	1.695	2.507	16.0	19.2

351017 2003 RZ_4 9 21.3 358.°68 5.°6/23.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 19.53	+ 5 19.0	0.988	1.877	20.5	19.4
8 29	0 15.27	+ 7 2.8	0.929	1.869	16.1	19.1
9 8	0 7.75	+ 8 32.7	0.888	1.864	11.1	18.8
9 18	23 57.89	+ 9 44.9	0.867	1.861	6.6	18.5
9 28	23 47.32	+10 37.7	0.869	1.861	6.2	18.5
10 8	23 37.90	+11 13.9	0.892	1.863	10.4	18.8
10 18	23 31.15	+11 39.0	0.936	1.868	15.3	19.1
10 28	23 28.06	+12 0.3	0.999	1.875	19.7	19.4

479906 2014 HB_{44} 9 21.3 257.°67 3.°0/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.29	− 6 21.8	1.896	2.781	12.3	21.3
8 29	0 11.50	− 7 19.2	1.827	2.775	8.9	21.1
9 8	0 4.89	− 8 22.5	1.783	2.769	5.3	20.9
9 18	23 57.09	− 9 25.2	1.765	2.763	3.0	20.7
9 28	23 48.98	−10 20.6	1.775	2.757	5.2	20.9
10 8	23 41.51	−11 2.4	1.811	2.750	8.8	21.1
10 18	23 35.49	−11 27.1	1.873	2.744	12.3	21.3
10 28	23 31.55	−11 33.0	1.956	2.737	15.2	21.5

86724 2000 GY_{30} 9 21.3 272.°07 0.°4/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.66	+ 0 40.0	1.596	2.470	14.7	20.0
8 29	0 13.67	+ 0 9.9	1.514	2.455	10.9	19.7
9 8	0 6.40	− 0 33.6	1.455	2.440	6.4	19.4
9 18	23 57.51	− 1 25.8	1.421	2.425	1.6	19.1
9 28	23 48.08	− 2 19.9	1.414	2.409	3.6	19.2
10 8	23 39.30	− 3 8.3	1.433	2.394	8.6	19.5
10 18	23 32.25	− 3 44.7	1.477	2.378	13.1	19.7
10 28	23 27.72	− 4 4.8	1.542	2.362	16.9	19.9

109134 2001 QF_{53} 9 21.3 348.°35 6.°2/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.12	−11 38.7	1.526	2.433	13.4	18.5
8 29	0 8.81	−13 27.3	1.472	2.428	9.9	18.3
9 8	0 3.45	−15 18.6	1.441	2.423	7.0	18.1
9 18	23 56.74	−17 2.0	1.435	2.418	6.4	18.1
9 28	23 49.71	−18 26.7	1.455	2.415	8.8	18.2
10 8	23 43.45	−19 25.3	1.498	2.412	12.2	18.4
10 18	23 38.87	−19 54.4	1.564	2.409	15.6	18.6
10 28	23 36.61	−19 54.5	1.647	2.408	18.5	18.8

275059 2009 UD_{117} 9 21.3 334.°80 2.°8/27.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 8.41	+16 6.7	4.256	5.033	8.0	20.3
8 29	0 4.96	+15 58.6	4.166	5.031	6.5	20.2
9 8	0 0.73	+15 40.1	4.099	5.029	4.9	20.1
9 18	23 56.02	+15 12.2	4.060	5.028	3.4	20.0
9 28	23 51.17	+14 36.2	4.049	5.026	2.8	19.9
10 8	23 46.56	+13 54.6	4.068	5.025	3.6	20.0
10 18	23 42.55	+13 10.3	4.115	5.023	5.2	20.1
10 28	23 39.42	+12 26.1	4.189	5.022	6.8	20.2

344993 2005 AP_{28} 9 21.3 314.°01 18.°3/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.04	−32 11.4	0.964	1.872	19.2	19.6
8 29	0 11.70	−36 23.5	0.943	1.860	18.4	19.5
9 8	0 5.82	−40 5.7	0.942	1.849	19.1	19.5
9 18	23 57.42	−42 55.2	0.959	1.838	21.1	19.6
9 28	23 48.35	−44 37.8	0.993	1.828	23.7	19.7
10 8	23 40.67	−45 11.7	1.039	1.819	26.3	19.9
10 18	23 35.98	−44 43.9	1.096	1.810	28.6	20.0
10 28	23 35.14	−43 25.2	1.160	1.801	30.4	20.2

36267 1999 XB_{211} 9 21.3 33.°11 3.°9/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.39	+19 40.0	4.031	4.780	8.9	17.7
8 29	0 7.17	+19 57.4	3.945	4.784	7.4	17.6
9 8	0 2.05	+20 3.4	3.883	4.788	5.9	17.5
9 18	23 56.35	+19 58.0	3.847	4.793	4.5	17.4
9 28	23 50.50	+19 42.2	3.839	4.797	3.9	17.4
10 8	23 44.92	+19 17.9	3.859	4.802	4.4	17.4
10 18	23 40.00	+18 47.9	3.908	4.806	5.7	17.5
10 28	23 36.10	+18 15.3	3.983	4.811	7.2	17.6

220272 2003 AL_{68} 9 21.3 263.°07 2.°1/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.68	− 2 41.8	1.646	2.529	13.9	20.9
8 29	0 12.85	− 3 35.9	1.570	2.516	10.2	20.6
9 8	0 5.86	− 4 41.0	1.516	2.503	5.9	20.4
9 18	23 57.38	− 5 50.7	1.487	2.490	2.2	20.1
9 28	23 48.42	− 6 57.0	1.486	2.476	4.7	20.2
10 8	23 40.13	− 7 51.8	1.512	2.462	9.2	20.5
10 18	23 33.50	− 8 29.7	1.561	2.448	13.4	20.7
10 28	23 29.27	− 8 47.4	1.632	2.434	16.9	20.9

207368 2005 LG_{10} 9 21.3 94.°15 2.°0/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.84	− 3 52.5	1.935	2.814	12.3	20.7
8 29	0 11.72	− 4 42.2	1.880	2.825	8.9	20.5
9 8	0 4.92	− 5 38.5	1.850	2.836	5.1	20.3
9 18	23 57.09	− 6 35.7	1.846	2.847	2.1	20.1
9 28	23 49.10	− 7 27.6	1.871	2.859	4.2	20.3
10 8	23 41.85	− 8 8.7	1.923	2.869	7.8	20.6
10 18	23 36.06	− 8 35.4	2.000	2.880	11.2	20.8
10 28	23 32.26	− 8 45.9	2.100	2.891	14.0	21.0

132581 2002 JS_{117} 9 21.3 70.°92 6.°5/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 16.36	−13 34.7	1.626	2.525	13.2	18.9
8 29	0 11.60	−15 25.0	1.593	2.542	9.8	18.8
9 8	0 4.90	−17 12.8	1.584	2.560	7.1	18.7
9 18	23 57.08	−18 48.0	1.601	2.578	6.6	18.7
9 28	23 49.16	−20 1.7	1.645	2.596	8.7	18.8
10 8	23 42.18	−20 48.8	1.713	2.614	11.7	19.1
10 18	23 36.94	−21 8.1	1.803	2.632	14.6	19.3
10 28	23 33.96	−21 1.2	1.912	2.650	17.0	19.5

304172 2006 PX_{40} 9 21.3 27.°36 3.°0/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.76	− 4 1.8	1.392	2.291	14.9	20.2
8 29	0 9.97	− 5 12.8	1.347	2.302	10.7	20.0
9 8	0 4.08	− 6 32.7	1.324	2.314	6.2	19.8
9 18	23 56.89	− 7 52.9	1.325	2.326	3.0	19.7
9 28	23 49.53	− 9 3.8	1.352	2.339	5.6	19.9
10 8	23 43.13	− 9 57.5	1.404	2.353	9.9	20.1
10 18	23 38.55	−10 29.6	1.479	2.368	13.8	20.4
10 28	23 36.37	−10 38.7	1.574	2.383	17.1	20.7

54671 2000 WW_{102} 9 21.3 253.°30 4.°3/15.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.17	−12 8.2	2.391	3.276	10.1	18.6
8 29	0 10.43	−13 16.1	2.317	3.262	7.5	18.4
9 8	0 4.18	−14 25.2	2.269	3.247	5.1	18.3
9 18	23 56.93	−15 29.5	2.248	3.232	4.3	18.2
9 28	23 49.38	−16 23.1	2.256	3.217	6.0	18.3
10 8	23 42.30	−17 1.3	2.291	3.201	8.7	18.4
10 18	23 36.36	−17 21.5	2.351	3.185	11.4	18.6
10 28	23 32.13	−17 23.1	2.432	3.169	13.8	18.7

6305 Helgoland 9 21.3 238.°97 2.°5/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.85	− 2 58.4	1.489	2.375	14.9	18.3
8 29	0 13.86	− 4 2.5	1.419	2.367	10.9	18.0
9 8	0 6.51	− 5 18.6	1.371	2.359	6.3	17.7
9 18	23 57.55	− 6 38.9	1.348	2.350	2.6	17.5
9 28	23 48.12	− 7 54.1	1.353	2.341	5.3	17.6
10 8	23 39.49	− 8 55.0	1.383	2.331	10.0	17.9
10 18	23 32.73	− 9 35.9	1.436	2.322	14.4	18.1
10 28	23 28.59	− 9 53.8	1.510	2.312	18.1	18.4

399119 2014 DE_{122} 9 21.3 149.°17 1.°1/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.37	+ 5 18.0	2.284	3.128	12.0	21.9
8 29	0 11.95	+ 4 49.2	2.214	3.136	9.0	21.7
9 8	0 5.01	+ 4 8.1	2.169	3.145	5.6	21.5
9 18	23 57.12	+ 3 18.0	2.152	3.152	2.0	21.3
9 28	23 49.04	+ 2 23.5	2.163	3.159	2.3	21.3
10 8	23 41.55	+ 1 29.8	2.204	3.166	5.8	21.6
10 18	23 35.31	+ 0 42.0	2.272	3.172	9.1	21.8
10 28	23 30.85	+ 0 3.9	2.365	3.178	12.0	22.0

401270 2012 CY_9 9 21.3 294.°45 2.°5/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.29	− 4 50.8	2.177	3.059	11.0	20.5
8 29	0 9.09	− 5 59.9	2.112	3.059	7.9	20.3
9 8	0 3.39	− 7 15.5	2.071	3.058	4.6	20.1
9 18	23 56.72	− 8 31.6	2.058	3.057	2.5	20.0
9 28	23 49.83	− 9 41.8	2.074	3.056	4.5	20.1
10 8	23 43.49	−10 40.3	2.117	3.055	7.7	20.3
10 18	23 38.36	−11 23.1	2.186	3.055	10.8	20.5
10 28	23 34.96	−11 48.0	2.277	3.054	13.5	20.7

171809 2001 DO_{86} 9 21.3 170.°17 2.°0/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.76	− 2 45.4	1.697	2.575	13.8	21.2
8 29	0 14.16	− 3 39.5	1.634	2.578	10.0	21.0
9 8	0 6.50	− 4 43.0	1.594	2.581	5.8	20.7
9 18	23 57.53	− 5 49.4	1.581	2.583	2.1	20.5
9 28	23 48.27	− 6 51.3	1.595	2.584	4.5	20.7
10 8	23 39.81	− 7 41.4	1.636	2.585	8.7	20.9
10 18	23 33.06	− 8 15.2	1.703	2.586	12.6	21.2
10 28	23 28.67	− 8 30.3	1.790	2.586	15.9	21.4

107015 2000 YQ_{114} 9 21.3 314.°25 3.°3/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.41	− 4 47.7	1.231	2.133	16.3	19.8
8 29	0 13.23	− 5 38.3	1.164	2.119	11.9	19.5
9 8	0 6.34	− 6 39.7	1.117	2.106	7.0	19.2
9 18	23 57.55	− 7 43.7	1.093	2.094	3.3	18.9
9 28	23 48.18	− 8 40.0	1.094	2.082	6.3	19.1
10 8	23 39.70	− 9 19.3	1.118	2.070	11.4	19.3
10 18	23 33.38	− 9 36.3	1.163	2.059	16.2	19.6
10 28	23 30.07	− 9 28.7	1.227	2.049	20.3	19.8

392872 2012 UR_{108} 9 21.3 162.°72 1.°6/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.11	+ 6 49.7	2.013	2.858	13.3	21.3
8 29	0 12.00	+ 6 22.8	1.941	2.861	10.1	21.1
9 8	0 5.15	+ 5 40.9	1.891	2.864	6.4	20.9
9 18	23 57.19	+ 4 47.1	1.868	2.867	2.7	20.6
9 28	23 48.96	+ 3 46.3	1.873	2.870	2.6	20.6
10 8	23 41.36	+ 2 45.1	1.907	2.872	6.4	20.9
10 18	23 35.16	+ 1 49.4	1.967	2.873	10.0	21.1
10 28	23 30.94	+ 1 4.3	2.051	2.875	13.1	21.3

364105 2005 YJ_{270} 9 21.3 3°.07 4°.0/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 13.14	− 9 10.1	2.006	2.898	11.4	20.3
8 29	0 9.10	−10 28.1	1.948	2.898	8.2	20.1
9 8	0 3.44	−11 49.3	1.914	2.898	5.3	20.0
9 18	23 56.75	−13 6.8	1.907	2.898	4.1	19.9
9 28	23 49.85	−14 13.3	1.928	2.899	6.0	20.0
10 8	23 43.55	−15 3.1	1.976	2.900	9.1	20.2
10 18	23 38.58	−15 33.3	2.047	2.901	12.1	20.4
10 28	23 35.47	−15 42.7	2.140	2.902	14.7	20.6

215021 2009 BJ_{71} 9 21.3 256°.88 0°.1/21.4 18

8 19	0 21.16	+ 0 16.8	2.077	2.935	12.5	20.9
8 29	0 15.08	+ 0 13.0	1.986	2.918	9.3	20.6
9 8	0 7.06	+ 0 0.7	1.919	2.900	5.5	20.4
9 18	23 57.71	− 0 17.4	1.879	2.882	1.4	20.1
9 28	23 47.87	− 0 37.5	1.868	2.864	2.8	20.1
10 8	23 38.54	− 0 54.9	1.887	2.845	7.0	20.4
10 18	23 30.59	− 1 5.9	1.932	2.826	10.8	20.6
10 28	23 24.73	− 1 7.3	2.000	2.807	14.1	20.7

485896 2012 FS_{55} 9 21.3 242°.98 3°.4/17.4 18

8 19	0 16.75	−10 44.0	2.404	3.285	10.2	21.7
8 29	0 11.49	−11 22.2	2.336	3.280	7.5	21.6
9 8	0 4.76	−12 1.2	2.293	3.274	4.8	21.4
9 18	23 57.08	−12 36.0	2.278	3.269	3.5	21.3
9 28	23 49.19	−13 2.2	2.291	3.264	5.1	21.4
10 8	23 41.83	−13 16.0	2.332	3.258	7.8	21.6
10 18	23 35.67	−13 15.6	2.399	3.252	10.6	21.7
10 28	23 31.22	−13 0.4	2.488	3.246	13.0	21.9

98034 2000 RQ_{12} 9 21.3 301°.77 2°.9/18.9 18

8 19	0 18.00	− 5 28.9	1.532	2.423	14.3	19.3
8 29	0 13.36	− 6 9.0	1.449	2.399	10.5	19.0
9 8	0 6.32	− 6 57.3	1.387	2.375	6.2	18.7
9 18	23 57.56	− 7 47.6	1.351	2.351	3.0	18.4
9 28	23 48.15	− 8 31.7	1.340	2.327	5.5	18.5
10 8	23 39.37	− 9 2.4	1.355	2.304	10.2	18.7
10 18	23 32.34	− 9 14.7	1.393	2.281	14.6	18.9
10 28	23 27.94	− 9 6.3	1.451	2.258	18.4	19.1

224337 2005 UN_{67} 9 21.3 300°.82 2°.6/19.2 18

8 19	0 17.50	− 4 12.1	1.448	2.341	14.9	20.5
8 29	0 13.03	− 4 57.1	1.371	2.322	10.9	20.2
9 8	0 6.13	− 5 52.3	1.315	2.304	6.4	19.9
9 18	23 57.51	− 6 50.9	1.284	2.286	2.7	19.6
9 28	23 48.29	− 7 44.3	1.279	2.268	5.4	19.8
10 8	23 39.77	− 8 24.4	1.298	2.250	10.2	20.0
10 18	23 33.12	− 8 45.7	1.341	2.233	14.8	20.2
10 28	23 29.15	− 8 45.5	1.403	2.216	18.7	20.4

12922 1998 WW_{19} 9 21.3 351°.57 3°.8/16.9 18

8 19	0 14.51	−10 2.8	2.143	3.031	10.9	17.7
8 29	0 10.00	−10 59.8	2.082	3.030	8.0	17.6
9 8	0 3.93	−11 58.6	2.046	3.029	5.1	17.4
9 18	23 56.88	−12 53.3	2.037	3.028	3.8	17.3
9 28	23 49.62	−13 38.0	2.056	3.028	5.6	17.4
10 8	23 42.95	−14 8.2	2.102	3.027	8.6	17.6
10 18	23 37.56	−14 21.4	2.172	3.027	11.5	17.8
10 28	23 33.97	−14 16.9	2.264	3.027	14.0	18.0

332698 2009 RG_{21} 9 21.3 89°.19 4°.5/25.3 17

8 19	0 18.66	+12 42.2	1.500	2.336	17.5	20.8
8 29	0 13.63	+12 38.4	1.436	2.343	13.9	20.6
9 8	0 6.32	+12 10.6	1.392	2.351	9.7	20.4
9 18	23 57.51	+11 20.4	1.371	2.359	5.8	20.2
9 28	23 48.37	+10 13.2	1.376	2.367	4.7	20.2
10 8	23 40.13	+ 8 57.6	1.407	2.375	7.8	20.4
10 18	23 33.79	+ 7 42.9	1.463	2.382	11.8	20.6
10 28	23 30.05	+ 6 37.5	1.541	2.390	15.4	20.9

428677 2008 HV_{15} 9 21.3 195°.01 2°.0/23.4 17

8 19	0 17.55	+ 9 6.8	1.934	2.771	14.1	22.2
8 29	0 12.45	+ 8 20.5	1.854	2.769	10.8	22.0
9 8	0 5.49	+ 7 15.1	1.796	2.766	7.0	21.8
9 18	23 57.30	+ 5 54.1	1.765	2.763	3.1	21.6
9 28	23 48.76	+ 4 23.6	1.763	2.759	2.8	21.5
10 8	23 40.85	+ 2 51.9	1.789	2.754	6.7	21.8
10 18	23 34.39	+ 1 26.8	1.842	2.748	10.5	22.0
10 28	23 30.03	+ 0 14.8	1.919	2.742	13.9	22.2

113824 2002 TG_{222} 9 21.3 345°.86 1°.6/22.9 18

8 19	0 14.74	+ 6 43.0	1.786	2.642	14.3	20.1
8 29	0 10.49	+ 6 10.4	1.713	2.640	10.8	19.9
9 8	0 4.37	+ 5 20.7	1.663	2.639	6.8	19.6
9 18	23 57.02	+ 4 17.5	1.638	2.638	2.7	19.4
9 28	23 49.35	+ 3 6.9	1.640	2.637	2.8	19.4
10 8	23 42.34	+ 1 56.4	1.669	2.636	6.9	19.6
10 18	23 36.81	+ 0 53.2	1.724	2.635	10.9	19.9
10 28	23 33.41	+ 0 2.8	1.802	2.635	14.3	20.1

212499 2006 QA_{168} 9 21.3 341°.95 2°.8/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 15.22	− 5 10.9	1.633	2.525	13.5	20.2
8 29	0 10.97	− 6 2.7	1.568	2.520	9.8	19.9
9 8	0 4.70	− 7 1.9	1.527	2.515	5.7	19.7
9 18	23 57.11	− 8 1.9	1.510	2.511	2.8	19.5
9 28	23 49.20	− 8 54.9	1.521	2.507	5.2	19.6
10 8	23 42.02	− 9 34.3	1.557	2.503	9.3	19.9
10 18	23 36.47	− 9 55.9	1.616	2.501	13.1	20.1
10 28	23 33.21	− 9 57.7	1.697	2.498	16.4	20.3

263805 2008 RP_{31} 9 21.3 268°.30 0°.0/21.4 18

8 19	0 7.57	+ 1 43.8	4.511	5.361	6.4	21.1
8 29	0 4.31	+ 1 11.4	4.424	5.352	4.7	21.0
9 8	0 0.37	+ 0 33.7	4.363	5.344	2.8	20.8
9 18	23 55.98	− 0 7.3	4.332	5.335	0.7	20.6
9 28	23 51.47	− 0 49.3	4.330	5.326	1.4	20.7
10 8	23 47.17	− 1 29.9	4.360	5.317	3.4	20.9
10 18	23 43.39	− 2 6.7	4.418	5.308	5.3	21.0
10 28	23 40.40	− 2 37.9	4.502	5.299	7.0	21.1

511118 2013 WE_{47} 9 21.3 341°.68 1°.5/22.4 18

8 19	0 12.92	+ 4 49.3	1.088	1.982	18.7	20.7
8 29	0 10.16	+ 4 33.6	1.021	1.969	14.2	20.4
9 8	0 4.65	+ 3 55.4	0.973	1.957	8.8	20.1
9 18	23 57.16	+ 2 58.7	0.945	1.947	3.1	19.7
9 28	23 49.05	+ 1 52.0	0.940	1.938	3.8	19.8
10 8	23 41.84	+ 0 46.5	0.958	1.931	9.7	20.1
10 18	23 36.86	− 0 7.6	0.997	1.925	15.1	20.4
10 28	23 34.98	− 0 42.6	1.055	1.920	19.8	20.6

161346 2003 SG_{89} 9 21.3 8°.23 5°.5/25.4 18

8 19	0 18.54	+11 50.4	1.411	2.255	18.0	19.4
8 29	0 13.76	+12 31.2	1.346	2.256	14.4	19.2
9 8	0 6.52	+12 50.6	1.299	2.258	10.4	19.0
9 18	23 57.60	+12 47.9	1.275	2.260	6.7	18.8
9 28	23 48.22	+12 25.7	1.276	2.264	5.6	18.8
10 8	23 39.70	+11 50.4	1.301	2.268	8.5	18.9
10 18	23 33.18	+11 9.7	1.350	2.273	12.4	19.2
10 28	23 29.42	+10 32.0	1.421	2.278	16.0	19.4

384692 2011 GN_{74} 9 21.3 205°.13 2°.3/19.0 17

8 19	0 19.25	− 4 40.6	1.942	2.819	12.4	22.2
8 29	0 13.65	− 5 30.3	1.871	2.815	9.0	22.0
9 8	0 6.18	− 6 26.8	1.824	2.810	5.3	21.8
9 18	23 57.49	− 7 24.6	1.804	2.805	2.4	21.6
9 28	23 48.48	− 8 16.9	1.813	2.799	4.5	21.7
10 8	23 40.12	− 8 58.0	1.849	2.792	8.3	21.9
10 18	23 33.25	− 9 23.9	1.911	2.786	11.9	22.2
10 28	23 28.49	− 9 32.6	1.995	2.778	14.9	22.3

394161 2006 QF_{51} 9 21.3 349°.84 0°.7/20.9 18

8 19	0 14.46	− 0 55.6	1.280	2.177	16.2	19.8
8 29	0 10.92	− 1 5.4	1.214	2.166	11.9	19.5
9 8	0 4.91	− 1 27.1	1.168	2.157	7.0	19.2
9 18	23 57.23	− 1 56.0	1.145	2.149	1.7	18.9
9 28	23 49.06	− 2 25.3	1.147	2.143	4.0	19.0
10 8	23 41.74	− 2 47.6	1.172	2.138	9.3	19.3
10 18	23 36.41	− 2 57.6	1.220	2.134	14.1	19.6
10 28	23 33.83	− 2 51.5	1.287	2.132	18.1	19.8

444305 2005 VM_{76} 9 21.3 357°.22 4°.5/26.4 18

8 19	0 14.50	+15 9.4	2.083	2.892	14.2	20.7
8 29	0 10.16	+15 4.4	2.004	2.891	11.5	20.5
9 8	0 4.13	+14 39.4	1.946	2.891	8.4	20.3
9 18	23 56.99	+13 55.6	1.912	2.891	5.6	20.2
9 28	23 49.54	+12 56.2	1.906	2.891	4.5	20.1
10 8	23 42.65	+11 47.2	1.927	2.891	6.4	20.2
10 18	23 37.08	+10 35.4	1.975	2.891	9.4	20.4
10 28	23 33.41	+ 9 27.8	2.047	2.891	12.4	20.6

443546 2014 KX_{11} 9 21.3 69°.04 1°.7/19.6 18

8 19	0 15.84	− 2 48.6	1.946	2.825	12.3	21.5
8 29	0 11.09	− 3 34.1	1.883	2.828	8.9	21.3
9 8	0 4.64	− 4 27.3	1.844	2.831	5.1	21.1
9 18	23 57.11	− 5 23.1	1.832	2.834	1.8	20.9
9 28	23 49.35	− 6 15.3	1.848	2.838	3.9	21.1
10 8	23 42.26	− 6 58.1	1.891	2.841	7.6	21.3
10 18	23 36.58	− 7 27.5	1.959	2.845	11.1	21.5
10 28	23 32.86	− 7 41.1	2.050	2.848	14.1	21.7

127135 2002 GQ_{109} 9 21.3 300°.51 8°.4/11.6 18

8 19	0 17.99	−25 6.7	2.108	2.986	11.5	19.4
8 29	0 12.68	−26 18.5	2.058	2.979	9.6	19.3
9 8	0 5.57	−27 20.1	2.032	2.972	8.5	19.2
9 18	23 57.34	−28 4.4	2.031	2.965	8.7	19.2
9 28	23 48.90	−28 25.5	2.056	2.958	10.1	19.3
10 8	23 41.19	−28 20.9	2.104	2.952	12.2	19.4
10 18	23 34.98	−27 51.1	2.174	2.945	14.3	19.5
10 28	23 30.86	−26 58.8	2.262	2.939	16.2	19.7

221419 2005 YC_{172} 9 21.3 212°.77 1°.4/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.43	+ 4 46.5	2.668	3.504	10.7	20.4
8 29	0 12.65	+ 4 50.3	2.582	3.499	8.1	20.2
9 8	0 5.45	+ 4 45.0	2.522	3.494	5.1	20.1
9 18	23 57.32	+ 4 32.1	2.489	3.488	2.1	19.8
9 28	23 48.91	+ 4 14.2	2.486	3.482	2.2	19.8
10 8	23 40.93	+ 3 54.8	2.514	3.476	5.2	20.0
10 18	23 34.02	+ 3 37.1	2.569	3.469	8.2	20.2
10 28	23 28.69	+ 3 24.5	2.650	3.462	10.8	20.4

161763 2006 TO_{30} 9 21.3 198°.60 3°.3/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.05	+12 14.6	1.725	2.556	15.8	20.4
8 29	0 12.31	+11 37.8	1.646	2.554	12.4	20.2
9 8	0 5.53	+10 37.7	1.589	2.552	8.5	19.9
9 18	23 57.37	+ 9 16.7	1.557	2.549	4.6	19.7
9 28	23 48.82	+ 7 41.3	1.552	2.546	3.7	19.6
10 8	23 40.96	+ 6 0.6	1.575	2.543	7.1	19.8
10 18	23 34.72	+ 4 24.1	1.624	2.539	11.1	20.1
10 28	23 30.79	+ 3 0.1	1.696	2.534	14.8	20.3

221506 2006 DX_{66} 9 21.3 261°.60 4°.9/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.98	+16 1.6	2.521	3.307	12.7	20.6
8 29	0 12.57	+16 29.4	2.424	3.294	10.4	20.4
9 8	0 5.54	+16 41.6	2.349	3.280	7.9	20.2
9 18	23 57.37	+16 37.8	2.300	3.267	5.7	20.0
9 28	23 48.78	+16 19.0	2.278	3.253	4.9	20.0
10 8	23 40.55	+15 48.4	2.285	3.239	6.3	20.0
10 18	23 33.45	+15 10.5	2.319	3.225	8.7	20.2
10 28	23 28.07	+14 30.8	2.379	3.210	11.3	20.3

35182 1993 US_{1} 9 21.3 70°.77 0°.4/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.24	+ 0 11.7	1.258	2.140	17.4	18.7
8 29	0 17.02	− 0 7.0	1.215	2.159	12.7	18.4
9 8	0 8.27	− 0 38.7	1.192	2.178	7.4	18.2
9 18	23 58.02	− 1 17.6	1.194	2.198	1.8	17.9
9 28	23 47.68	− 1 56.3	1.221	2.217	3.9	18.1
10 8	23 38.63	− 2 27.3	1.274	2.236	9.1	18.5
10 18	23 31.92	− 2 45.5	1.350	2.255	13.7	18.8
10 28	23 28.13	− 2 48.0	1.446	2.274	17.4	19.1

518320 2017 BZ_{82} 9 21.3 241°.10 1°.4/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.57	+ 6 56.8	2.419	3.261	11.5	21.4
8 29	0 9.25	+ 6 22.4	2.335	3.254	8.7	21.2
9 8	0 3.51	+ 5 34.7	2.275	3.248	5.5	21.0
9 18	23 56.84	+ 4 36.3	2.242	3.241	2.3	20.8
9 28	23 49.89	+ 3 31.7	2.238	3.234	2.3	20.8
10 8	23 43.39	+ 2 26.5	2.262	3.227	5.5	21.0
10 18	23 37.98	+ 1 26.0	2.315	3.220	8.8	21.2
10 28	23 34.17	+ 0 34.7	2.392	3.212	11.6	21.3

20070 Koichiyuko 9 21.3 15°.64 8°.4/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.24	−12 47.2	0.853	1.785	18.5	16.1
8 29	0 10.55	−14 18.3	0.823	1.790	13.8	15.8
9 8	0 4.80	−15 47.2	0.812	1.798	9.7	15.7
9 18	23 57.18	−16 59.2	0.820	1.808	8.6	15.6
9 28	23 49.38	−17 41.4	0.848	1.819	11.4	15.8
10 8	23 43.07	−17 47.7	0.896	1.833	15.6	16.1
10 18	23 39.38	−17 18.6	0.961	1.847	19.7	16.4
10 28	23 38.93	−16 18.8	1.042	1.864	23.1	16.7

272685 2005 XQ_{61} 9 21.3 179°.15 6°.8/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.12	+31 42.3	3.460	4.112	11.8	20.9
8 29	0 10.87	+32 0.0	3.367	4.114	10.5	20.8
9 8	0 4.37	+31 59.4	3.293	4.115	9.1	20.7
9 18	23 57.05	+31 39.2	3.241	4.115	7.8	20.6
9 28	23 49.48	+30 59.9	3.216	4.115	6.9	20.5
10 8	23 42.29	+30 3.9	3.216	4.115	6.9	20.5
10 18	23 36.03	+28 55.1	3.244	4.114	7.6	20.6
10 28	23 31.17	+27 38.9	3.299	4.112	8.9	20.7

218218 2002 VG_{7} 9 21.3 11°.38 2°.6/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.20	− 2 44.6	1.040	1.951	17.8	19.4
8 29	0 10.95	− 3 35.7	0.993	1.953	12.9	19.1
9 8	0 4.98	− 4 40.0	0.965	1.957	7.4	18.8
9 18	23 57.24	− 5 48.3	0.959	1.962	2.7	18.6
9 28	23 49.19	− 6 49.4	0.976	1.968	5.8	18.8
10 8	23 42.31	− 7 33.3	1.015	1.976	11.2	19.1
10 18	23 37.75	− 7 54.5	1.075	1.985	16.0	19.4
10 28	23 36.20	− 7 51.0	1.153	1.995	20.1	19.7

239475 2007 UX_{20} 9 21.3 71°.62 4°.4/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.18	−12 16.8	1.727	2.608	13.5	19.7
8 29	0 17.95	−12 30.9	1.677	2.619	9.9	19.6
9 8	0 8.64	−12 42.7	1.650	2.630	6.4	19.4
9 18	23 58.11	−12 46.9	1.649	2.641	4.4	19.3
9 28	23 47.50	−12 38.8	1.677	2.653	6.2	19.4
10 8	23 37.93	−12 15.7	1.731	2.664	9.6	19.6
10 18	23 30.27	−11 37.6	1.811	2.675	12.9	19.9
10 28	23 25.11	−10 45.5	1.911	2.686	15.8	20.1

436590 2011 JG_{21} 9 21.3 4°.69 9°.2/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 11.49	−15 51.8	1.061	1.985	16.3	19.3
8 29	0 8.97	−17 36.9	1.024	1.984	12.6	19.1
9 8	0 3.80	−19 17.2	1.007	1.985	9.7	18.9
9 18	23 56.94	−20 38.8	1.011	1.988	9.5	18.9
9 28	23 49.82	−21 29.9	1.037	1.992	12.1	19.1
10 8	23 43.86	−21 44.3	1.083	1.998	15.6	19.3
10 18	23 40.14	−21 22.4	1.147	2.006	19.2	19.6
10 28	23 39.31	−20 28.3	1.227	2.015	22.2	19.8

195331 2002 EP_{128} 9 21.3 329°.55 0°.5/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.86	+ 1 23.4	1.442	2.320	15.8	19.9
8 29	0 13.98	+ 1 22.7	1.370	2.311	11.8	19.6
9 8	0 6.68	+ 1 9.3	1.319	2.302	7.1	19.3
9 18	23 57.70	+ 0 46.5	1.291	2.294	2.0	19.0
9 28	23 48.22	+ 0 19.8	1.290	2.287	3.4	19.1
10 8	23 39.53	− 0 4.3	1.314	2.280	8.5	19.4
10 18	23 32.75	− 0 20.2	1.362	2.274	13.1	19.6
10 28	23 28.68	− 0 23.4	1.431	2.268	17.1	19.9

296725 2009 SW_{354} 9 21.3 291°.63 1°.6/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 8.62	− 7 29.6	4.192	5.066	6.3	20.6
8 29	0 5.14	− 8 5.4	4.116	5.059	4.5	20.5
9 8	0 0.90	− 8 43.0	4.067	5.051	2.7	20.4
9 18	23 56.18	− 9 19.8	4.047	5.044	1.6	20.3
9 28	23 51.34	− 9 53.3	4.058	5.037	2.7	20.3
10 8	23 46.75	−10 21.1	4.097	5.029	4.5	20.5
10 18	23 42.73	−10 41.4	4.164	5.022	6.3	20.6
10 28	23 39.59	−10 53.0	4.256	5.015	8.0	20.7

123892 2001 DM_{51} 9 21.3 176°.09 3°.4/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.13	−11 18.4	2.675	3.553	9.4	20.1
8 29	0 10.92	−12 5.7	2.613	3.555	6.8	20.0
9 8	0 4.41	−12 53.2	2.577	3.556	4.5	19.8
9 18	23 57.09	−13 36.4	2.569	3.557	3.4	19.7
9 28	23 49.60	−14 10.8	2.590	3.558	4.9	19.8
10 8	23 42.62	−14 33.1	2.639	3.558	7.4	20.0
10 18	23 36.72	−14 41.5	2.715	3.558	9.8	20.2
10 28	23 32.34	−14 35.3	2.813	3.557	11.9	20.3

155389 1994 CY_{3} 9 21.3 35°.69 4°.7/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.98	− 5 30.2	1.294	2.200	15.3	18.9
8 29	0 9.58	− 7 32.8	1.253	2.212	10.9	18.7
9 8	0 3.97	− 9 44.1	1.235	2.224	6.6	18.5
9 18	23 57.00	−11 51.6	1.242	2.237	4.7	18.4
9 28	23 49.84	−13 42.0	1.274	2.251	7.6	18.6
10 8	23 43.67	−15 5.7	1.331	2.265	11.7	18.9
10 18	23 39.41	−15 58.3	1.409	2.280	15.5	19.2
10 28	23 37.64	−16 19.6	1.506	2.295	18.7	19.5

258656 2002 ES_{76} 9 21.3 315°.74 0°.4/22.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 8.95	+ 2 55.7	4.191	5.036	7.0	21.1
8 29	0 5.37	+ 2 37.6	4.109	5.033	5.1	21.0
9 8	0 1.04	+ 2 13.9	4.053	5.030	3.1	20.9
9 18	23 56.23	+ 1 46.3	4.025	5.027	1.0	20.7
9 28	23 51.30	+ 1 16.8	4.028	5.024	1.4	20.7
10 8	23 46.61	+ 0 47.9	4.061	5.022	3.5	20.9
10 18	23 42.50	+ 0 21.9	4.122	5.019	5.5	21.0
10 28	23 39.27	+ 0 0.6	4.210	5.016	7.2	21.2

180308 2003 WF_{170} 9 21.3 289°.75 2°.4/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.10	− 1 1.6	1.382	2.274	15.5	20.3
8 29	0 11.39	− 2 26.2	1.306	2.257	11.3	20.0
9 8	0 5.25	− 4 8.6	1.251	2.240	6.5	19.7
9 18	23 57.39	− 6 0.1	1.221	2.224	2.5	19.4
9 28	23 48.94	− 7 48.8	1.217	2.207	5.5	19.6
10 8	23 41.19	− 9 22.9	1.238	2.190	10.6	19.8
10 18	23 35.29	−10 33.6	1.282	2.173	15.4	20.1
10 28	23 32.08	−11 16.2	1.345	2.157	19.4	20.3

120396 2005 QA_{112} 9 21.3 333°.45 1°.1/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.31	+ 3 10.9	1.141	2.034	18.0	19.4
8 29	0 11.22	+ 3 5.0	1.067	2.015	13.6	19.0
9 8	0 5.36	+ 2 40.3	1.012	1.998	8.4	18.7
9 18	23 57.45	+ 2 0.3	0.979	1.982	2.7	18.3
9 28	23 48.81	+ 1 12.2	0.969	1.966	3.8	18.4
10 8	23 40.98	+ 0 25.5	0.981	1.953	9.7	18.6
10 18	23 35.31	− 0 11.0	1.015	1.940	15.2	18.9
10 28	23 32.76	− 0 30.4	1.068	1.929	19.8	19.2

24519 2001 CH 9 21.3 233°.11 0°.2/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 9.64	+ 1 16.7	4.683	5.529	6.3	19.0
8 29	0 5.80	+ 1 5.5	4.599	5.525	4.6	18.9
9 8	0 1.26	+ 0 49.9	4.541	5.520	2.7	18.8
9 18	23 56.29	+ 0 31.6	4.513	5.515	0.8	18.6
9 28	23 51.20	+ 0 12.2	4.515	5.511	1.3	18.7
10 8	23 46.33	− 0 6.4	4.547	5.506	3.2	18.8
10 18	23 41.99	− 0 22.3	4.609	5.501	5.1	18.9
10 28	23 38.44	− 0 33.9	4.697	5.496	6.7	19.1

23630 1996 YA_3 9 21.3 258°.10 1°.0/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 19.18	− 0 25.9	1.477	2.358	15.4	19.5
8 29	0 14.13	− 1 2.9	1.409	2.353	11.3	19.2
9 8	0 6.73	− 1 52.7	1.362	2.348	6.6	18.9
9 18	23 57.74	− 2 49.7	1.340	2.343	1.7	18.6
9 28	23 48.32	− 3 46.1	1.344	2.338	4.1	18.8
10 8	23 39.72	− 4 33.8	1.374	2.333	9.0	19.0
10 18	23 33.01	− 5 7.0	1.428	2.327	13.5	19.3
10 28	23 28.93	− 5 21.8	1.503	2.322	17.3	19.5

44816 1999 TB_{224} 9 21.3 320°.36 4°.4/23.7 18

8 19	0 19.82	+ 7 0.1	1.182	2.054	19.0	18.1
8 29	0 15.48	+ 7 48.9	1.099	2.031	15.0	17.8
9 8	0 8.04	+ 8 20.7	1.034	2.008	10.3	17.4
9 18	23 58.20	+ 8 34.2	0.990	1.986	5.6	17.1
9 28	23 47.29	+ 8 31.1	0.970	1.965	5.2	17.0
10 8	23 37.04	+ 8 17.0	0.974	1.944	9.8	17.2
10 18	23 29.04	+ 7 59.4	0.999	1.925	15.2	17.5
10 28	23 24.45	+ 7 46.6	1.042	1.907	20.0	17.7

349920 2009 SC_{211} 9 21.3 183°.04 0°.7/19.8 18

8 19	0 9.08	− 3 38.1	4.643	5.505	6.0	20.8
8 29	0 5.39	− 3 59.3	4.568	5.505	4.3	20.7
9 8	0 1.02	− 4 23.1	4.521	5.505	2.5	20.6
9 18	23 56.24	− 4 47.8	4.502	5.505	0.8	20.4
9 28	23 51.35	− 5 11.2	4.515	5.505	1.8	20.5
10 8	23 46.70	− 5 31.4	4.557	5.504	3.6	20.6
10 18	23 42.58	− 5 46.8	4.628	5.504	5.4	20.8
10 28	23 39.25	− 5 56.2	4.725	5.504	6.9	20.9

446496 2014 KA_{55} 9 21.3 105°.44 0°.3/20.9 18

8 19	0 15.49	+ 1 35.2	2.208	3.069	11.7	21.5
8 29	0 10.63	+ 0 44.8	2.150	3.084	8.5	21.3
9 8	0 4.30	− 0 15.8	2.116	3.099	4.9	21.1
9 18	23 57.08	− 1 21.8	2.110	3.114	1.2	20.9
9 28	23 49.73	− 2 27.7	2.133	3.128	2.7	21.0
10 8	23 43.00	− 3 27.6	2.185	3.142	6.3	21.3
10 18	23 37.53	− 4 17.1	2.264	3.155	9.5	21.5
10 28	23 33.80	− 4 52.9	2.366	3.169	12.3	21.7

347100 2010 HS_{23} 9 21.3 232°.75 4°.6/16.0 18

8 19	0 17.39	−11 21.1	2.139	3.024	11.1	21.5
8 29	0 12.27	−12 39.5	2.067	3.012	8.2	21.3
9 8	0 5.41	−14 0.2	2.020	2.999	5.5	21.2
9 18	23 57.40	−15 16.3	2.000	2.986	4.6	21.1
9 28	23 49.05	−16 20.5	2.009	2.972	6.5	21.2
10 8	23 41.23	−17 7.3	2.045	2.957	9.5	21.3
10 18	23 34.73	−17 33.6	2.106	2.942	12.5	21.5
10 28	23 30.17	−17 38.8	2.187	2.927	15.1	21.7

408745 2014 OJ_{129} 9 21.3 34°.55 10°.2/30.5 17

8 19	0 25.94	+26 17.4	2.003	2.726	17.4	19.5
8 29	0 18.92	+28 2.1	1.934	2.737	15.3	19.4
9 8	0 9.54	+29 23.5	1.886	2.749	13.1	19.2
9 18	23 58.49	+30 16.7	1.860	2.762	11.2	19.1
9 28	23 46.86	+30 39.6	1.859	2.775	10.3	19.1
10 8	23 35.90	+30 34.4	1.883	2.788	10.6	19.2
10 18	23 26.69	+30 7.0	1.931	2.802	12.0	19.3
10 28	23 20.06	+29 25.8	2.002	2.816	13.8	19.4

438579 2007 UB_{85} 9 21.3 10°.14 11°.7/14.4 18

8 19	0 22.12	−25 36.9	1.170	2.069	17.2	19.1
8 29	0 16.54	−26 23.2	1.137	2.072	14.2	19.0
9 8	0 8.12	−26 50.6	1.123	2.077	12.1	18.9
9 18	23 58.06	−26 49.1	1.131	2.084	11.8	18.9
9 28	23 47.98	−26 12.4	1.160	2.092	13.5	19.0
10 8	23 39.45	−25 1.2	1.209	2.102	16.2	19.2
10 18	23 33.52	−23 20.5	1.279	2.113	19.1	19.4
10 28	23 30.77	−21 17.7	1.365	2.126	21.6	19.7

69559 1997 UG_5 9 21.4 312°.77 5°.9/15.9 18

8 19	0 20.66	−17 43.4	2.073	2.954	11.5	18.5
8 29	0 14.70	−18 13.4	2.000	2.937	8.9	18.3
9 8	0 6.85	−18 38.2	1.952	2.921	6.6	18.2
9 18	23 57.77	−18 52.0	1.930	2.904	5.9	18.1
9 28	23 48.38	−18 49.6	1.935	2.888	7.5	18.2
10 8	23 39.64	−18 28.3	1.967	2.872	10.2	18.3
10 18	23 32.40	−17 47.7	2.023	2.857	13.0	18.5
10 28	23 27.29	−16 49.3	2.100	2.841	15.6	18.6

478757 2012 UW_{103} 9 21.4 317°.27 3°.6/18.2 18

8 19	0 17.51	− 7 17.4	1.606	2.499	13.7	21.1
8 29	0 12.73	− 8 9.9	1.542	2.493	10.0	20.9
9 8	0 5.82	− 9 7.8	1.501	2.488	6.0	20.6
9 18	23 57.53	−10 4.0	1.485	2.483	3.6	20.5
9 28	23 48.88	−10 50.6	1.496	2.478	5.9	20.6
10 8	23 41.01	−11 21.4	1.532	2.473	9.9	20.8
10 18	23 34.86	−11 32.7	1.592	2.469	13.7	21.1
10 28	23 31.11	−11 23.5	1.672	2.464	17.0	21.3

91993 1999 VP_{122} 9 21.4 209°.70 1°.1/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 13.60	+ 6 29.9	2.244	3.091	12.1	20.3
8 29	0 9.36	+ 5 46.8	2.167	3.090	9.1	20.1
9 8	0 3.64	+ 4 49.5	2.114	3.089	5.7	19.9
9 18	23 56.95	+ 3 41.5	2.087	3.088	2.2	19.7
9 28	23 50.01	+ 2 27.9	2.090	3.086	2.3	19.7
10 8	23 43.58	+ 1 15.1	2.120	3.085	5.9	19.9
10 18	23 38.32	+ 0 8.8	2.179	3.083	9.2	20.2
10 28	23 34.76	− 0 46.1	2.261	3.082	12.2	20.3

381150 2007 GU_{11} 9 21.4 215°.82 2°.5/18.8 16

8 19	0 16.90	− 3 24.6	1.750	2.633	13.2	21.4
8 29	0 12.15	− 4 37.7	1.682	2.629	9.6	21.2
9 8	0 5.43	− 6 0.8	1.638	2.625	5.6	20.9
9 18	23 57.43	− 7 26.6	1.620	2.621	2.6	20.7
9 28	23 49.08	− 8 46.6	1.630	2.616	5.0	20.9
10 8	23 41.42	− 9 53.1	1.667	2.611	9.0	21.1
10 18	23 35.32	−10 40.8	1.728	2.605	12.8	21.3
10 28	23 31.43	−11 7.0	1.811	2.600	16.0	21.5

239084 2006 GY_{52} 9 21.4 306°.94 1°.0/20.5 18

8 19	0 18.13	− 1 17.2	1.684	2.562	13.9	20.4
8 29	0 13.10	− 1 46.0	1.615	2.558	10.2	20.1
9 8	0 6.02	− 2 24.7	1.568	2.554	5.9	19.9
9 18	23 57.58	− 3 8.7	1.547	2.551	1.6	19.6
9 28	23 48.79	− 3 51.4	1.554	2.548	3.7	19.7
10 8	23 40.73	− 4 26.7	1.587	2.544	8.2	20.0
10 18	23 34.32	− 4 49.6	1.645	2.541	12.2	20.2
10 28	23 30.23	− 4 57.2	1.724	2.538	15.6	20.5

432676 2011 BH_{12} 9 21.4 228°.83 1°.4/22.6 17

8 19	0 18.95	+ 5 53.8	1.822	2.672	14.3	22.3
8 29	0 13.70	+ 5 24.5	1.738	2.663	10.8	22.1
9 8	0 6.40	+ 4 38.7	1.676	2.652	6.8	21.8
9 18	23 57.69	+ 3 39.7	1.641	2.641	2.5	21.6
9 28	23 48.52	+ 2 33.1	1.633	2.630	2.9	21.6
10 8	23 39.95	+ 1 26.3	1.653	2.618	7.2	21.8
10 18	23 32.91	+ 0 26.4	1.700	2.605	11.4	22.0
10 28	23 28.13	− 0 20.8	1.769	2.592	14.9	22.2

44637 1999 RN_{105} 9 21.4 276°.63 0°.8/20.7 18

8 19	0 17.14	+ 1 6.3	1.459	2.339	15.5	18.6
8 29	0 12.73	+ 0 14.8	1.385	2.329	11.4	18.3
9 8	0 5.98	− 0 53.0	1.333	2.319	6.7	18.1
9 18	23 57.60	− 2 10.8	1.306	2.309	1.6	17.7
9 28	23 48.73	− 3 29.8	1.305	2.299	4.0	17.9
10 8	23 40.60	− 4 40.3	1.329	2.289	9.1	18.1
10 18	23 34.30	− 5 34.8	1.378	2.279	13.8	18.4
10 28	23 30.62	− 6 8.5	1.447	2.269	17.7	18.6

159158 2004 XN_{177} 9 21.4 171°.93 2°.1/18.6 18

8 19	0 15.04	− 6 10.6	2.664	3.538	9.5	20.8
8 29	0 10.15	− 6 53.4	2.597	3.539	6.9	20.6
9 8	0 3.99	− 7 39.9	2.556	3.541	4.0	20.5
9 18	23 57.03	− 8 25.8	2.544	3.542	2.1	20.3
9 28	23 49.90	− 9 6.8	2.561	3.544	3.7	20.4
10 8	23 43.24	− 9 39.1	2.606	3.544	6.5	20.6
10 18	23 37.61	− 9 59.9	2.679	3.545	9.2	20.8
10 28	23 33.48	−10 7.8	2.775	3.545	11.5	21.0

389558 2010 UX_{25} 9 21.4 309°.66 1°.7/18.1 16

8 19	0 9.93	− 8 28.7	4.146	5.019	6.4	21.0
8 29	0 6.09	− 8 55.0	4.074	5.016	4.6	20.9
9 8	0 1.48	− 9 22.4	4.030	5.013	2.8	20.7
9 18	23 56.38	− 9 48.4	4.015	5.011	1.7	20.6
9 28	23 51.18	−10 10.8	4.029	5.008	2.8	20.7
10 8	23 46.24	−10 27.3	4.074	5.005	4.6	20.8
10 18	23 41.91	−10 36.6	4.145	5.002	6.4	21.0
10 28	23 38.49	−10 37.5	4.242	5.000	8.0	21.1

98827 2001 AW 9 21.4 121°.93 0°.2/21.1 18

8 19	0 15.60	+ 0 52.3	2.441	3.301	10.8	20.5
8 29	0 10.63	+ 0 21.2	2.376	3.310	7.9	20.3
9 8	0 4.30	− 0 18.2	2.336	3.319	4.6	20.1
9 18	23 57.13	− 1 2.5	2.324	3.327	1.1	19.9
9 28	23 49.79	− 1 47.3	2.341	3.336	2.4	20.0
10 8	23 42.99	− 2 28.0	2.387	3.344	5.8	20.3
10 18	23 37.32	− 3 0.9	2.460	3.352	8.9	20.5
10 28	23 33.27	− 3 23.3	2.557	3.360	11.5	20.7

164307 2005 AJ_{11} 9 21.4 196°.07 5°.3/26.6 18

8 19	0 19.18	+15 44.9	1.997	2.798	15.1	20.5
8 29	0 13.75	+16 4.3	1.916	2.797	12.3	20.3
9 8	0 6.38	+16 4.1	1.856	2.795	9.2	20.1
9 18	23 57.70	+15 43.7	1.821	2.794	6.4	19.9
9 28	23 48.61	+15 5.5	1.812	2.792	5.3	19.9
10 8	23 40.12	+14 14.5	1.831	2.790	7.1	20.0
10 18	23 33.09	+13 17.3	1.876	2.787	10.1	20.1
10 28	23 28.21	+12 21.3	1.945	2.785	13.1	20.3

164718 1998 HM_4 9 21.4 201°.38 15°.5/12.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 39.57	−34 16.2	1.270	2.124	19.0	20.5
8 29	0 29.64	−35 33.3	1.231	2.122	16.9	20.4
9 8	0 15.98	−36 22.8	1.210	2.119	15.6	20.3
9 18	0 0.11	−36 30.7	1.211	2.115	15.8	20.3
9 28	23 44.18	−35 49.2	1.233	2.111	17.3	20.4
10 8	23 30.34	−34 20.3	1.276	2.106	19.6	20.5
10 18	23 20.01	−32 12.8	1.337	2.100	22.1	20.7
10 28	23 13.83	−29 38.1	1.414	2.094	24.3	20.9

43338 2000 RA_{10} 9 21.4 230°.82 0°.8/20.5 18

8 19	0 17.20	+ 0 8.1	2.137	3.001	11.9	19.3
8 29	0 12.14	− 0 40.3	2.053	2.989	8.7	19.0
9 8	0 5.36	− 1 39.3	1.993	2.977	5.1	18.8
9 18	23 57.44	− 2 44.6	1.961	2.965	1.3	18.5
9 28	23 49.14	− 3 50.1	1.959	2.952	3.2	18.6
10 8	23 41.35	− 4 49.5	1.984	2.938	7.1	18.8
10 18	23 34.83	− 5 37.7	2.037	2.924	10.7	19.0
10 28	23 30.21	− 6 11.2	2.112	2.909	13.7	19.2

469611 2004 JN_{29} 9 21.4 43°.79 4°.1/18.4 16

8 19	0 20.03	− 6 49.9	1.128	2.033	17.2	20.3
8 29	0 14.74	− 7 47.6	1.102	2.059	12.3	20.1
9 8	0 6.94	− 8 49.8	1.096	2.085	7.3	19.9
9 18	23 57.78	− 9 46.7	1.114	2.113	4.1	19.8
9 28	23 48.70	−10 29.2	1.156	2.141	6.7	20.1
10 8	23 41.06	−10 51.1	1.221	2.169	11.2	20.4
10 18	23 35.79	−10 50.6	1.308	2.198	15.2	20.7
10 28	23 33.38	−10 28.6	1.414	2.227	18.5	21.0

135540 2002 CC_{245} 9 21.4 331°.70 1°.7/24.8 17

8 19	0 8.25	+10 15.5	4.076	4.889	7.7	19.5
8 29	0 4.93	+ 9 52.4	3.989	4.887	6.0	19.4
9 8	0 0.83	+ 9 20.4	3.927	4.885	4.1	19.3
9 18	23 56.24	+ 8 40.9	3.893	4.883	2.3	19.2
9 28	23 51.52	+ 7 56.0	3.888	4.880	1.8	19.1
10 8	23 47.05	+ 7 8.7	3.914	4.878	3.4	19.2
10 18	23 43.18	+ 6 21.7	3.968	4.876	5.3	19.4
10 28	23 40.20	+ 5 37.9	4.050	4.874	7.1	19.5

350877 2002 QH_8 9 21.4 349°.97 1°.7/22.3 18

8 19	0 22.62	+ 1 24.3	1.390	2.264	16.5	19.7
8 29	0 16.87	+ 2 9.3	1.320	2.257	12.5	19.4
9 8	0 8.49	+ 2 44.5	1.270	2.251	7.8	19.1
9 18	23 58.28	+ 3 11.0	1.245	2.246	2.9	18.8
9 28	23 47.53	+ 3 31.0	1.245	2.242	3.5	18.9
10 8	23 37.66	+ 3 48.5	1.271	2.239	8.5	19.2
10 18	23 29.88	+ 4 7.3	1.321	2.236	13.2	19.4
10 28	23 25.02	+ 4 31.3	1.393	2.235	17.1	19.7

509764 2008 UP_{32} 9 21.4 31°.20 1°.3/22.6 18

8 19	0 14.63	+ 6 20.3	1.434	2.304	16.4	21.0
8 29	0 10.74	+ 5 35.8	1.375	2.311	12.3	20.7
9 8	0 4.70	+ 4 31.1	1.338	2.318	7.6	20.5
9 18	23 57.27	+ 3 11.4	1.324	2.325	2.7	20.2
9 28	23 49.56	+ 1 45.2	1.336	2.333	3.1	20.3
10 8	23 42.72	+ 0 22.5	1.374	2.342	7.9	20.6
10 18	23 37.69	− 0 48.2	1.436	2.351	12.3	20.9
10 28	23 35.10	− 1 41.0	1.519	2.360	16.1	21.1

478754 2012 UG_{98} 9 21.4 173°.66 10°.1/ 5.9 18

8 19	0 18.05	+35 16.0	2.280	2.933	17.2	21.2
8 29	0 12.96	+35 35.1	2.193	2.935	15.5	21.1
9 8	0 5.93	+35 25.2	2.123	2.937	13.6	21.0
9 18	23 57.59	+34 43.3	2.071	2.939	11.8	20.8
9 28	23 48.88	+33 29.3	2.043	2.940	10.5	20.8
10 8	23 40.82	+31 47.5	2.039	2.940	10.1	20.7
10 18	23 34.28	+29 45.5	2.061	2.940	10.9	20.8
10 28	23 29.92	+27 33.5	2.108	2.940	12.5	20.9

250927 2005 WQ_{105} 9 21.4 344°.25 0°.3/21.1 18

8 19	0 14.01	+ 0 52.9	1.657	2.537	14.0	20.2
8 29	0 10.16	+ 0 24.6	1.585	2.529	10.3	20.0
9 8	0 4.34	− 0 16.2	1.535	2.521	6.1	19.7
9 18	23 57.20	− 1 4.9	1.510	2.514	1.5	19.4
9 28	23 49.68	− 1 55.2	1.512	2.508	3.3	19.5
10 8	23 42.82	− 2 40.1	1.540	2.503	7.8	19.8
10 18	23 37.52	− 3 14.0	1.592	2.498	11.9	20.0
10 28	23 34.43	− 3 32.9	1.666	2.494	15.5	20.2

268840 2006 WF_{126} 9 21.4 286°.48 1°.7/22.6 18

8 19	0 20.37	+ 4 34.2	1.506	2.370	16.0	21.1
8 29	0 15.30	+ 4 34.7	1.415	2.347	12.3	20.8
9 8	0 7.67	+ 4 19.2	1.346	2.324	7.8	20.5
9 18	23 58.12	+ 3 49.8	1.301	2.302	3.0	20.2
9 28	23 47.78	+ 3 11.4	1.282	2.278	3.4	20.2
10 8	23 38.01	+ 2 30.8	1.289	2.255	8.5	20.4
10 18	23 30.05	+ 1 55.4	1.320	2.232	13.4	20.6
10 28	23 24.86	+ 1 31.5	1.372	2.209	17.7	20.8

322912 Jedlik 9 21.4 294°.00 3°.0/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.88	+ 7 35.3	1.297	2.162	18.0	21.3
8 29	0 14.45	+ 7 36.9	1.216	2.146	14.0	21.0
9 8	0 7.25	+ 7 16.9	1.155	2.130	9.3	20.7
9 18	23 58.02	+ 6 36.9	1.117	2.115	4.4	20.4
9 28	23 48.01	+ 5 42.2	1.103	2.099	4.0	20.3
10 8	23 38.74	+ 4 41.8	1.113	2.084	9.0	20.5
10 18	23 31.54	+ 3 45.1	1.147	2.069	14.1	20.8
10 28	23 27.38	+ 3 0.9	1.201	2.054	18.7	21.0

231612 2009 RO_{64} 9 21.4 199°.14 0°.4/22.3 16

8 19	0 8.30	+ 3 34.4	4.441	5.283	6.7	20.9
8 29	0 4.89	+ 3 11.1	4.361	5.283	4.9	20.7
9 8	0 0.79	+ 2 42.2	4.306	5.282	3.0	20.6
9 18	23 56.24	+ 2 9.4	4.281	5.282	1.0	20.4
9 28	23 51.59	+ 1 34.6	4.285	5.282	1.3	20.5
10 8	23 47.16	+ 1 0.4	4.320	5.281	3.3	20.6
10 18	23 43.28	+ 0 28.9	4.384	5.281	5.2	20.8
10 28	23 40.21	+ 0 2.0	4.474	5.281	6.8	20.9

124050 2001 FJ_{148} 9 21.4 123°.43 2°.7/24.5 18

8 19	0 17.95	+ 9 36.1	2.552	3.371	11.6	19.8
8 29	0 12.36	+ 9 45.5	2.478	3.379	9.0	19.6
9 8	0 5.34	+ 9 42.6	2.428	3.387	6.2	19.5
9 18	23 57.42	+ 9 28.3	2.406	3.395	3.5	19.3
9 28	23 49.29	+ 9 5.4	2.412	3.403	3.0	19.3
10 8	23 41.66	+ 8 37.3	2.447	3.410	5.3	19.4
10 18	23 35.18	+ 8 8.2	2.511	3.418	8.1	19.6
10 28	23 30.34	+ 7 42.2	2.600	3.425	10.6	19.8

494440 2016 UJ_{104} 9 21.4 221°.59 0°.3/21.1 18 R

8 19	0 17.96	+ 0 39.6	2.120	2.982	12.1	22.1
8 29	0 12.67	+ 0 9.8	2.041	2.975	8.9	21.9
9 8	0 5.67	− 0 29.8	1.985	2.968	5.2	21.7
9 18	23 57.53	− 1 15.7	1.957	2.960	1.3	21.4
9 28	23 49.06	− 2 2.6	1.958	2.952	2.8	21.5
10 8	23 41.13	− 2 45.2	1.987	2.944	6.8	21.7
10 18	23 34.52	− 3 18.8	2.042	2.935	10.3	21.9
10 28	23 29.82	− 3 40.2	2.121	2.926	13.4	22.1

236549 2006 HD_{51} 9 21.4 72°.55 0°.5/21.8 18

8 19	0 22.12	+ 1 57.5	1.693	2.555	14.6	20.1
8 29	0 15.73	+ 1 50.3	1.646	2.579	10.8	19.9
9 8	0 7.39	+ 1 31.7	1.622	2.603	6.4	19.7
9 18	23 57.93	+ 1 5.5	1.624	2.627	1.9	19.5
9 28	23 48.40	+ 0 36.6	1.654	2.651	2.9	19.6
10 8	23 39.85	+ 0 10.6	1.712	2.674	7.2	19.9
10 18	23 33.11	− 0 8.1	1.795	2.697	11.0	20.2
10 28	23 28.71	− 0 16.2	1.901	2.720	14.2	20.5

378615 2008 FQ_{53} 9 21.4 75°.78 0°.9/20.6 17

8 19	0 20.13	+ 0 5.8	1.438	2.318	15.8	21.2
8 29	0 14.58	− 0 38.6	1.394	2.337	11.4	21.0
9 8	0 6.84	− 1 35.2	1.371	2.357	6.6	20.7
9 18	23 57.80	− 2 37.6	1.373	2.376	1.6	20.5
9 28	23 48.66	− 3 37.4	1.401	2.396	3.9	20.7
10 8	23 40.59	− 4 27.2	1.456	2.415	8.6	21.0
10 18	23 34.51	− 5 1.7	1.535	2.434	12.8	21.3
10 28	23 30.97	− 5 18.2	1.635	2.453	16.2	21.6

239411 2007 TZ_{58} 9 21.4 224°.64 1°.3/22.9 18

8 19	0 14.80	+ 7 40.7	2.011	2.857	13.3	21.0
8 29	0 10.46	+ 6 43.6	1.929	2.851	10.1	20.8
9 8	0 4.41	+ 5 28.6	1.871	2.845	6.4	20.5
9 18	23 57.22	+ 3 59.7	1.839	2.839	2.4	20.3
9 28	23 49.70	+ 2 23.5	1.836	2.833	2.5	20.3
10 8	23 42.73	+ 0 48.0	1.862	2.826	6.5	20.5
10 18	23 37.08	− 0 39.1	1.914	2.820	10.3	20.7
10 28	23 33.35	− 1 51.9	1.991	2.812	13.6	20.9

90809 1995 DX_2 9 21.4 180°.46 13°.6/ 5.0 17

8 19	0 19.62	+32 56.4	1.296	2.028	24.9	20.1
8 29	0 15.29	+33 33.8	1.223	2.029	22.3	19.9
9 8	0 7.84	+33 27.6	1.164	2.030	19.3	19.7
9 18	23 58.17	+32 30.6	1.121	2.030	16.3	19.6
9 28	23 47.80	+30 41.4	1.097	2.029	14.1	19.4
10 8	23 38.48	+28 8.5	1.095	2.029	13.7	19.4
10 18	23 31.68	+25 7.8	1.115	2.028	15.3	19.5
10 28	23 28.34	+21 59.9	1.158	2.026	18.1	19.7

91736 1999 TN_{172} 9 21.4 15°.60 3°.9/25.7 18

8 19	0 14.33	+13 4.7	1.980	2.803	14.4	19.0
8 29	0 10.13	+12 57.0	1.905	2.805	11.4	18.8
9 8	0 4.21	+12 30.2	1.852	2.807	8.1	18.6
9 18	23 57.17	+11 45.5	1.824	2.809	5.0	18.5
9 28	23 49.82	+10 47.0	1.822	2.812	4.0	18.4
10 8	23 43.08	+ 9 40.8	1.848	2.815	6.4	18.6
10 18	23 37.70	+ 8 34.0	1.900	2.818	9.6	18.8
10 28	23 34.27	+ 7 33.0	1.976	2.821	12.7	19.0

116015 2003 WE_{83} 9 21.4 184°.90 3°.3/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 15.53	− 6 42.8	2.093	2.976	11.4	20.3
8 29	0 10.87	− 8 7.8	2.029	2.976	8.2	20.1
9 8	0 4.58	− 9 38.6	1.991	2.976	5.0	19.9
9 18	23 57.25	−11 8.0	1.980	2.975	3.3	19.8
9 28	23 49.67	−12 28.6	1.999	2.974	5.4	19.9
10 8	23 42.68	−13 34.1	2.045	2.973	8.6	20.1
10 18	23 36.99	−14 20.6	2.116	2.971	11.7	20.3
10 28	23 33.16	−14 46.5	2.209	2.969	14.3	20.5

474430 2003 EC_{29} 9 21.4 221°.29 1°.2/20.3 18

8 19	0 22.38	− 2 50.4	1.981	2.847	12.7	21.9
8 29	0 16.03	− 3 10.0	1.901	2.838	9.3	21.7
9 8	0 7.72	− 3 36.6	1.845	2.829	5.4	21.4
9 18	23 58.08	− 4 6.2	1.816	2.819	1.6	21.2
9 28	23 48.04	− 4 33.8	1.817	2.809	3.6	21.3
10 8	23 38.62	− 4 54.5	1.846	2.798	7.6	21.5
10 18	23 30.72	− 5 4.6	1.901	2.786	11.4	21.7
10 28	23 24.99	− 5 1.8	1.979	2.774	14.6	21.9

392912 2012 VR_{77} 9 21.4 318°.25 6°.1/17.8 18

8 19	0 25.94	−15 1.3	1.443	2.332	15.1	19.8
8 29	0 19.37	−15 11.8	1.368	2.313	11.5	19.5
9 8	0 10.01	−15 17.2	1.315	2.294	7.9	19.3
9 18	23 58.71	−15 10.0	1.287	2.275	6.1	19.1
9 28	23 46.82	−14 43.9	1.284	2.257	8.1	19.2
10 8	23 35.86	−13 56.0	1.307	2.239	12.0	19.4
10 18	23 27.11	−12 46.9	1.353	2.223	16.1	19.6
10 28	23 21.41	−11 19.5	1.418	2.207	19.7	19.8

269134 2007 TF_{89} 9 21.4 340°.02 0°.6/20.8 18

8 19	0 14.21	+ 1 22.9	1.613	2.493	14.3	20.1
8 29	0 10.34	+ 0 30.5	1.544	2.488	10.5	19.9
9 8	0 4.46	− 0 36.5	1.498	2.484	6.1	19.6
9 18	23 57.25	− 1 52.2	1.476	2.480	1.5	19.3
9 28	23 49.68	− 3 8.6	1.481	2.476	3.6	19.5
10 8	23 42.81	− 4 17.4	1.513	2.473	8.2	19.7
10 18	23 37.54	− 5 11.8	1.569	2.470	12.4	20.0
10 28	23 34.53	− 5 47.4	1.646	2.468	15.9	20.2

398740 2012 YN_{8} 9 21.4 199°.98 2°.2/16.8 16

8 19	0 9.73	−12 12.7	4.715	5.590	5.7	21.4
8 29	0 5.88	−12 40.4	4.648	5.588	4.2	21.2
9 8	0 1.35	−13 7.6	4.609	5.587	2.7	21.1
9 18	23 56.41	−13 32.1	4.598	5.585	2.2	21.1
9 28	23 51.37	−13 51.8	4.618	5.583	3.0	21.2
10 8	23 46.56	−14 5.1	4.667	5.581	4.5	21.3
10 18	23 42.31	−14 10.6	4.743	5.579	6.0	21.4
10 28	23 38.86	−14 7.8	4.843	5.577	7.4	21.5

485931 2012 HG_{4} 9 21.4 209°.24 0°.5/20.7 18

8 19	0 12.82	+ 1 24.5	2.719	3.577	9.9	22.3
8 29	0 8.60	+ 0 24.4	2.639	3.573	7.2	22.1
9 8	0 3.14	− 0 45.2	2.586	3.568	4.2	21.9
9 18	23 56.89	− 2 0.2	2.560	3.564	1.0	21.7
9 28	23 50.42	− 3 15.6	2.565	3.559	2.5	21.8
10 8	23 44.34	− 4 26.3	2.599	3.553	5.6	22.0
10 18	23 39.22	− 5 27.7	2.662	3.547	8.5	22.2
10 28	23 35.50	− 6 16.6	2.749	3.542	11.0	22.3

104647 2000 GK_{126} 9 21.4 132°.28 0°.8/20.5 18

8 19	0 18.26	+ 1 3.9	1.898	2.764	13.2	19.6
8 29	0 12.89	− 0 0.8	1.840	2.777	9.5	19.4
9 8	0 5.76	− 1 17.3	1.806	2.790	5.5	19.2
9 18	23 57.56	− 2 39.7	1.799	2.802	1.4	18.9
9 28	23 49.18	− 4 0.4	1.820	2.814	3.4	19.1
10 8	23 41.55	− 5 12.3	1.871	2.825	7.4	19.4
10 18	23 35.42	− 6 10.0	1.947	2.835	11.0	19.6
10 28	23 31.36	− 6 50.1	2.046	2.845	14.1	19.8

94361 2001 RT_{22} 9 21.4 314°.22 1°.6/22.5 18

8 19	0 18.51	+ 4 46.9	1.174	2.054	18.5	19.7
8 29	0 14.25	+ 4 35.0	1.104	2.045	14.0	19.4
9 8	0 7.15	+ 4 2.4	1.054	2.037	8.8	19.1
9 18	23 58.01	+ 3 12.6	1.027	2.028	3.2	18.7
9 28	23 48.23	+ 2 13.3	1.023	2.020	3.7	18.7
10 8	23 39.37	+ 1 14.5	1.043	2.013	9.5	19.0
10 18	23 32.76	+ 0 25.6	1.085	2.005	14.8	19.3
10 28	23 29.33	− 0 6.3	1.146	1.999	19.4	19.6

455071 2015 UP_{43} 9 21.4 217°.81 4°.0/16.2 18

8 19	0 14.50	−11 41.1	2.408	3.293	10.0	21.3
8 29	0 9.95	−12 46.6	2.346	3.291	7.3	21.2
9 8	0 3.98	−13 52.7	2.309	3.289	4.9	21.0
9 18	23 57.11	−14 53.9	2.301	3.286	4.1	21.0
9 28	23 50.04	−15 44.6	2.320	3.283	5.7	21.1
10 8	23 43.47	−16 20.4	2.367	3.281	8.3	21.2
10 18	23 38.05	−16 39.2	2.439	3.278	10.9	21.4
10 28	23 34.27	−16 40.3	2.532	3.275	13.2	21.6

262928 2007 DQ_{9} 9 21.4 278°.10 1°.2/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 15.72	− 2 13.8	2.161	3.033	11.5	21.3
8 29	0 10.99	− 2 48.6	2.088	3.029	8.3	21.1
9 8	0 4.66	− 3 30.8	2.039	3.025	4.8	20.9
9 18	23 57.30	− 4 16.3	2.018	3.021	1.5	20.6
9 28	23 49.68	− 4 59.9	2.025	3.017	3.3	20.8
10 8	23 42.60	− 5 36.5	2.060	3.013	6.9	21.0
10 18	23 36.77	− 6 2.3	2.121	3.009	10.3	21.2
10 28	23 32.75	− 6 14.7	2.205	3.005	13.2	21.4

48865 1998 HT_{46} 9 21.4 81°.00 1°.2/20.0 18 R

8 19	0 15.76	− 1 51.7	2.056	2.929	11.9	18.8
8 29	0 11.02	− 2 33.7	1.993	2.935	8.6	18.6
9 8	0 4.66	− 3 23.6	1.954	2.940	5.0	18.4
9 18	23 57.30	− 4 16.8	1.943	2.946	1.5	18.2
9 28	23 49.72	− 5 7.5	1.959	2.951	3.4	18.3
10 8	23 42.78	− 5 50.4	2.004	2.956	7.1	18.6
10 18	23 37.17	− 6 21.3	2.074	2.962	10.5	18.8
10 28	23 33.42	− 6 37.9	2.167	2.967	13.3	19.0

278021 2006 VK_{44} 9 21.4 315°.91 3°.2/18.9 18

8 19	0 16.49	− 4 25.0	1.253	2.154	16.1	20.2
8 29	0 12.64	− 5 19.2	1.182	2.138	11.8	19.9
9 8	0 6.14	− 6 25.1	1.132	2.122	7.0	19.6
9 18	23 57.76	− 7 34.6	1.105	2.107	3.3	19.4
9 28	23 48.76	− 8 37.1	1.103	2.092	6.2	19.5
10 8	23 40.58	− 9 23.2	1.125	2.078	11.3	19.7
10 18	23 34.47	− 9 46.6	1.168	2.064	16.1	20.0
10 28	23 31.30	− 9 44.8	1.229	2.052	20.2	20.2

217237 2003 GD_{37} 9 21.4 41°.27 7°.2/13.8 17

8 19	0 11.88	− 1 52.6	0.905	1.824	19.0	18.6
8 29	0 9.62	− 6 16.4	0.863	1.830	13.3	18.3
9 8	0 4.43	−11 5.1	0.845	1.836	8.3	18.0
9 18	23 57.30	−15 48.3	0.853	1.843	7.8	18.0
9 28	23 49.78	−19 54.6	0.886	1.850	12.2	18.3
10 8	23 43.49	−23 2.9	0.943	1.858	17.4	18.6
10 18	23 39.68	−25 7.2	1.018	1.866	21.8	19.0
10 28	23 39.06	−26 12.0	1.107	1.875	25.3	19.2

92107 1999 XH_{56} 9 21.4 349°.67 10°.8/11.3 18

8 19	0 17.33	−26 26.3	1.540	2.431	14.3	18.3
8 29	0 12.80	−27 41.0	1.495	2.422	12.1	18.1
9 8	0 5.96	−28 41.2	1.472	2.413	10.9	18.0
9 18	23 57.65	−29 17.4	1.471	2.406	11.2	18.0
9 28	23 49.09	−29 22.2	1.492	2.401	12.8	18.1
10 8	23 41.53	−28 53.6	1.535	2.396	15.2	18.3
10 18	23 35.95	−27 53.6	1.597	2.392	17.7	18.4
10 28	23 32.97	−26 26.8	1.676	2.390	19.9	18.6

91627 1999 TW_{55} 9 21.4 239°.93 0°.7/20.6 18

8 19	0 16.04	− 1 6.0	2.531	3.393	10.4	19.8
8 29	0 11.07	− 1 35.4	2.446	3.382	7.6	19.6
9 8	0 4.67	− 2 12.1	2.387	3.371	4.4	19.4
9 18	23 57.32	− 2 52.7	2.356	3.359	1.1	19.2
9 28	23 49.69	− 3 32.9	2.354	3.348	2.7	19.3
10 8	23 42.48	− 4 8.4	2.382	3.335	6.1	19.5
10 18	23 36.33	− 4 35.7	2.436	3.323	9.2	19.7
10 28	23 31.77	− 4 52.1	2.515	3.310	11.9	19.8

100524 1997 CV_{5} 9 21.4 266°.99 1°.2/20.3 18

8 19	0 18.89	− 1 50.0	1.898	2.770	12.9	20.3
8 29	0 13.67	− 2 23.1	1.810	2.751	9.5	20.0
9 8	0 6.45	− 3 5.8	1.746	2.731	5.5	19.7
9 18	23 57.82	− 3 53.5	1.708	2.711	1.6	19.4
9 28	23 48.69	− 4 40.2	1.698	2.691	3.7	19.5
10 8	23 40.07	− 5 19.8	1.716	2.670	8.0	19.8
10 18	23 32.90	− 5 47.3	1.759	2.649	11.9	20.0
10 28	23 27.89	− 5 59.5	1.825	2.627	15.4	20.1

218529 2004 TN_{351} 9 21.4 327°.67 0°.5/20.9 18

8 19	0 13.48	+ 0 45.1	1.909	2.783	12.7	20.2
8 29	0 9.59	+ 0 5.2	1.832	2.773	9.3	19.9
9 8	0 3.97	− 0 46.3	1.777	2.762	5.5	19.7
9 18	23 57.17	− 1 44.9	1.749	2.753	1.3	19.4
9 28	23 50.02	− 2 44.6	1.748	2.743	3.1	19.5
10 8	23 43.42	− 3 38.7	1.775	2.734	7.2	19.8
10 18	23 38.16	− 4 21.8	1.827	2.726	11.0	20.0
10 28	23 34.86	− 4 50.1	1.901	2.718	14.3	20.2

431648 2008 AD_{116} 9 21.4 289°.52 3°.5/23.8 15

8 19	0 20.24	+ 8 1.0	1.397	2.254	17.5	22.0
8 29	0 15.38	+ 8 15.2	1.312	2.236	13.7	21.7
9 8	0 7.81	+ 8 9.9	1.246	2.218	9.2	21.4
9 18	23 58.24	+ 7 45.8	1.204	2.200	4.7	21.1
9 28	23 47.86	+ 7 6.7	1.187	2.182	4.2	21.0
10 8	23 38.13	+ 6 19.9	1.194	2.164	8.7	21.3
10 18	23 30.36	+ 5 33.8	1.226	2.146	13.6	21.5
10 28	23 25.53	+ 4 56.5	1.278	2.128	18.0	21.7

298586 2003 YF_{43} 9 21.4 302.°83 3.°3/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 16.06	− 5 54.9	1.656	2.547	13.4	20.8
8 29	0 11.86	− 6 52.7	1.572	2.523	9.8	20.5
9 8	0 5.51	− 7 59.2	1.511	2.498	5.9	20.3
9 18	23 57.61	− 9 7.5	1.475	2.474	3.3	20.0
9 28	23 49.14	−10 9.0	1.466	2.450	5.8	20.1
10 8	23 41.22	−10 56.1	1.483	2.426	10.0	20.3
10 18	23 34.89	−11 23.6	1.523	2.402	14.1	20.5
10 28	23 30.91	−11 29.0	1.583	2.379	17.6	20.7

74129 1998 QT_{67} 9 21.4 31.°00 0.°7/22.2 18

8 19	0 12.04	+ 7 4.4	1.364	2.238	16.8	18.8
8 29	0 8.90	+ 5 44.2	1.312	2.250	12.5	18.6
9 8	0 3.65	+ 4 1.1	1.281	2.263	7.6	18.4
9 18	23 57.09	+ 2 2.7	1.274	2.277	2.4	18.1
9 28	23 50.31	+ 0 0.6	1.294	2.291	3.2	18.2
10 8	23 44.43	− 1 53.2	1.339	2.306	8.2	18.5
10 18	23 40.35	− 3 28.9	1.409	2.322	12.7	18.8
10 28	23 38.64	− 4 40.4	1.500	2.338	16.4	19.1

350306 2012 UP_{43} 9 21.4 339.°17 0.°7/20.8 18

8 19	0 12.75	+ 1 4.0	1.256	2.151	16.5	19.9
8 29	0 9.83	+ 0 23.6	1.186	2.137	12.2	19.7
9 8	0 4.45	− 0 34.2	1.136	2.124	7.2	19.3
9 18	23 57.35	− 1 43.3	1.109	2.112	1.8	19.0
9 28	23 49.70	− 2 54.5	1.106	2.102	4.1	19.1
10 8	23 42.84	− 3 57.4	1.127	2.092	9.6	19.4
10 18	23 37.92	− 4 43.9	1.170	2.084	14.6	19.7
10 28	23 35.75	− 5 8.7	1.232	2.077	18.8	19.9

51690 2001 KS_{13} 9 21.4 151.°90 1.°9/23.1 18

8 19	0 21.25	+ 6 44.9	1.865	2.707	14.4	19.7
8 29	0 15.21	+ 6 28.2	1.796	2.715	10.9	19.5
9 8	0 7.23	+ 5 56.1	1.751	2.723	6.9	19.3
9 18	23 58.01	+ 5 11.3	1.732	2.730	3.0	19.1
9 28	23 48.51	+ 4 19.1	1.741	2.737	2.9	19.1
10 8	23 39.76	+ 3 25.7	1.778	2.743	6.8	19.3
10 18	23 32.62	+ 2 37.3	1.842	2.748	10.6	19.6
10 28	23 27.71	+ 1 59.1	1.930	2.753	13.9	19.8

107331 2001 CT_{17} 9 21.4 166.°85 0.°9/20.6 18

8 19	0 19.35	− 1 20.7	1.811	2.683	13.4	20.1
8 29	0 13.88	− 1 44.9	1.744	2.684	9.8	19.9
9 8	0 6.48	− 2 18.0	1.700	2.685	5.7	19.7
9 18	23 57.82	− 2 55.6	1.682	2.685	1.5	19.4
9 28	23 48.87	− 3 32.1	1.692	2.686	3.4	19.5
10 8	23 40.64	− 4 1.9	1.729	2.686	7.7	19.8
10 18	23 33.98	− 4 20.8	1.792	2.686	11.5	20.0
10 28	23 29.54	− 4 26.1	1.877	2.687	14.7	20.2

427437 2001 FN_{7} 9 21.4 248.°69 2.°6/19.2 18

8 19	0 19.71	− 4 0.1	1.619	2.501	14.1	21.8
8 29	0 14.50	− 4 53.8	1.543	2.489	10.3	21.6
9 8	0 7.03	− 5 57.2	1.490	2.477	6.0	21.3
9 18	23 58.00	− 7 3.6	1.462	2.464	2.6	21.1
9 28	23 48.47	− 8 4.8	1.462	2.450	5.1	21.2
10 8	23 39.64	− 8 53.1	1.489	2.436	9.5	21.4
10 18	23 32.54	− 9 23.3	1.539	2.422	13.7	21.6
10 28	23 27.92	− 9 32.8	1.610	2.408	17.3	21.9

323580 2004 TT_{196} 9 21.4 235.°50 2.°6/18.6 18

8 19	0 17.74	− 7 51.0	2.393	3.269	10.4	21.0
8 29	0 12.33	− 8 20.2	2.321	3.264	7.6	20.8
9 8	0 5.41	− 8 51.9	2.274	3.258	4.6	20.6
9 18	23 57.54	− 9 21.8	2.255	3.253	2.6	20.5
9 28	23 49.42	− 9 45.6	2.265	3.247	4.2	20.6
10 8	23 41.83	− 9 59.5	2.303	3.241	7.2	20.8
10 18	23 35.43	−10 1.4	2.368	3.235	10.2	21.0
10 28	23 30.75	− 9 50.0	2.456	3.229	12.7	21.1

136641 1995 CJ_{6} 9 21.4 159.°00 0.°8/22.4 18

8 19	0 17.11	+ 4 33.4	2.314	3.160	11.8	21.4
8 29	0 11.88	+ 4 4.8	2.242	3.166	8.8	21.3
9 8	0 5.15	+ 3 24.5	2.194	3.171	5.4	21.1
9 18	23 57.47	+ 2 35.9	2.174	3.175	1.8	20.8
9 28	23 49.56	+ 1 43.2	2.183	3.179	2.3	20.9
10 8	23 42.21	+ 0 51.9	2.221	3.183	5.8	21.1
10 18	23 36.07	+ 0 6.6	2.286	3.186	9.1	21.3
10 28	23 31.67	− 0 28.9	2.376	3.189	11.9	21.5

513273 2006 TJ_{43} 9 21.4 334.°25 4.°0/24.4 18

8 19	0 8.94	+10 0.4	1.014	1.900	20.3	21.4
8 29	0 7.60	+ 9 51.8	0.937	1.876	16.0	21.1
9 8	0 3.46	+ 9 11.8	0.876	1.854	11.0	20.7
9 18	23 57.17	+ 8 1.2	0.836	1.833	5.8	20.4
9 28	23 50.02	+ 6 27.3	0.816	1.813	4.6	20.3
10 8	23 43.64	+ 4 43.3	0.818	1.796	9.8	20.5
10 18	23 39.48	+ 3 4.5	0.841	1.780	15.6	20.7
10 28	23 38.60	+ 1 44.2	0.881	1.767	20.8	21.0

130758 2000 SM_{277} 9 21.4 342.°85 10.°4/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 22.44	−22 35.6	1.265	2.163	16.2	18.1
8 29	0 16.96	−23 27.5	1.213	2.152	13.2	17.9
9 8	0 8.60	−24 6.4	1.182	2.143	10.9	17.7
9 18	23 58.40	−24 21.7	1.172	2.135	10.5	17.7
9 28	23 47.85	−24 5.3	1.186	2.127	12.4	17.7
10 8	23 38.53	−23 14.8	1.221	2.121	15.5	17.9
10 18	23 31.67	−21 53.2	1.276	2.115	18.8	18.1
10 28	23 27.98	−20 6.5	1.348	2.111	21.7	18.3

195273 2002 EW_{63} 9 21.4 291.°11 0.°5/22.4 18

8 19	0 8.18	+ 4 0.0	4.281	5.123	6.9	20.2
8 29	0 4.89	+ 3 32.0	4.196	5.118	5.1	20.1
9 8	0 0.85	+ 2 57.8	4.137	5.113	3.1	19.9
9 18	23 56.36	+ 2 19.2	4.107	5.108	1.1	19.8
9 28	23 51.74	+ 1 38.4	4.106	5.103	1.3	19.8
10 8	23 47.34	+ 0 58.1	4.136	5.098	3.4	19.9
10 18	23 43.50	+ 0 20.6	4.195	5.093	5.4	20.1
10 28	23 40.51	− 0 11.7	4.280	5.088	7.1	20.2

3610 Decampos 9 21.4 203.°55 1.°5/20.2 18

8 19	0 20.42	− 0 44.6	1.362	2.246	16.2	17.0
8 29	0 15.23	− 1 33.8	1.298	2.245	11.9	16.7
9 8	0 7.53	− 2 37.0	1.256	2.243	6.9	16.5
9 18	23 58.14	− 3 47.1	1.238	2.241	1.9	16.1
9 28	23 48.32	− 4 55.0	1.246	2.239	4.6	16.3
10 8	23 39.43	− 5 51.5	1.279	2.236	9.7	16.6
10 18	23 32.60	− 6 30.2	1.336	2.234	14.4	16.9
10 28	23 28.59	− 6 47.6	1.413	2.231	18.3	17.1

149338 2002 VV_{78} 9 21.4 352.°39 3.°4/18.9 18

8 19	0 10.97	− 3 37.9	0.968	1.888	18.0	18.9
8 29	0 8.94	− 4 36.5	0.914	1.879	13.1	18.6
9 8	0 4.09	− 5 49.6	0.878	1.871	7.6	18.3
9 18	23 57.29	− 7 7.0	0.863	1.865	3.4	18.1
9 28	23 49.96	− 8 15.8	0.870	1.861	6.7	18.2
10 8	23 43.70	− 9 4.6	0.897	1.858	12.2	18.5
10 18	23 39.77	− 9 26.6	0.945	1.857	17.3	18.8
10 28	23 38.96	− 9 19.7	1.009	1.859	21.7	19.1

265157 2003 WJ_{60} 9 21.4 271.°47 1.°3/20.4 18

8 19	0 19.06	− 0 41.7	1.496	2.377	15.2	20.9
8 29	0 14.23	− 1 23.9	1.417	2.361	11.2	20.6
9 8	0 6.99	− 2 19.7	1.359	2.346	6.6	20.3
9 18	23 58.03	− 3 23.4	1.327	2.330	1.8	20.0
9 28	23 48.48	− 4 26.7	1.321	2.314	4.3	20.1
10 8	23 39.63	− 5 21.2	1.341	2.298	9.3	20.4
10 18	23 32.59	− 6 0.1	1.385	2.282	14.0	20.6
10 28	23 28.20	− 6 19.3	1.449	2.266	17.9	20.8

331411 2012 FN_{56} 9 21.4 120.°57 0.°5/20.9 17

8 19	0 19.22	+ 2 1.2	1.567	2.438	15.1	21.2
8 29	0 13.94	+ 1 1.9	1.511	2.450	11.1	21.0
9 8	0 6.56	− 0 12.2	1.477	2.461	6.4	20.8
9 18	23 57.86	− 1 34.5	1.468	2.472	1.6	20.5
9 28	23 48.94	− 2 56.4	1.488	2.482	3.6	20.7
10 8	23 40.92	− 4 9.2	1.534	2.493	8.3	21.0
10 18	23 34.70	− 5 6.4	1.605	2.502	12.4	21.3
10 28	23 30.91	− 5 44.3	1.698	2.511	15.9	21.5

101364 1998 US 9 21.4 48.°68 7.°6/29.1 18

8 19	0 17.35	+21 46.9	1.161	1.976	22.9	18.1
8 29	0 12.99	+21 21.6	1.124	2.008	18.7	17.9
9 8	0 6.08	+20 17.0	1.104	2.040	14.2	17.8
9 18	23 57.72	+18 35.8	1.103	2.073	9.9	17.6
9 28	23 49.34	+16 27.5	1.126	2.107	7.6	17.6
10 8	23 42.32	+14 7.0	1.173	2.141	9.0	17.8
10 18	23 37.64	+11 49.6	1.244	2.174	12.5	18.1
10 28	23 35.80	+ 9 48.0	1.338	2.208	16.0	18.4

65727 1993 FY_{70} 9 21.4 99.°29 0.°4/20.9 18

8 19	0 18.58	− 1 30.5	2.569	3.427	10.4	19.5
8 29	0 12.79	− 1 34.0	2.502	3.435	7.6	19.3
9 8	0 5.62	− 1 42.9	2.460	3.442	4.4	19.1
9 18	23 57.62	− 1 54.8	2.446	3.449	1.1	18.9
9 28	23 49.44	− 2 6.5	2.462	3.457	2.4	19.0
10 8	23 41.80	− 2 15.0	2.508	3.464	5.6	19.2
10 18	23 35.31	− 2 17.6	2.581	3.471	8.6	19.5
10 28	23 30.43	− 2 12.4	2.679	3.478	11.1	19.6

115606 2003 UJ_{101} 9 21.4 184.°29 2.°8/18.9 18

8 19	0 20.57	− 4 41.4	1.676	2.557	13.8	20.1
8 29	0 14.93	− 5 39.3	1.612	2.557	10.0	19.8
9 8	0 7.18	− 6 45.1	1.571	2.557	5.9	19.6
9 18	23 58.05	− 7 51.9	1.557	2.557	2.8	19.4
9 28	23 48.60	− 8 51.7	1.570	2.556	5.1	19.5
10 8	23 39.95	− 9 37.6	1.610	2.554	9.2	19.8
10 18	23 33.03	−10 5.4	1.674	2.552	13.1	20.0
10 28	23 28.51	−10 13.2	1.760	2.549	16.4	20.2

309627 2008 CD_{98} 9 21.4 304.°22 1.°6/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 15.71	− 2 25.6	1.915	2.793	12.5	21.1
8 29	0 11.20	− 3 10.6	1.844	2.788	9.1	20.9
9 8	0 4.91	− 4 4.4	1.797	2.783	5.2	20.6
9 18	23 57.47	− 5 1.7	1.776	2.779	1.8	20.4
9 28	23 49.71	− 5 56.1	1.783	2.774	3.9	20.5
10 8	23 42.56	− 6 41.7	1.817	2.769	7.8	20.8
10 18	23 36.81	− 7 13.7	1.877	2.765	11.4	21.0
10 28	23 33.06	− 7 29.6	1.959	2.760	14.5	21.2

404408 2013 GZ_{60} 9 21.4 95.°26 1.°1/20.1 18

8 19	0 16.03	− 1 58.5	2.289	3.158	11.1	21.6
8 29	0 11.05	− 2 37.5	2.231	3.171	8.0	21.4
9 8	0 4.64	− 3 23.3	2.199	3.184	4.6	21.2
9 18	23 57.37	− 4 11.6	2.194	3.197	1.4	21.0
9 28	23 49.96	− 4 57.4	2.218	3.210	3.1	21.2
10 8	23 43.15	− 5 36.2	2.271	3.222	6.5	21.4
10 18	23 37.56	− 6 4.5	2.350	3.235	9.5	21.6
10 28	23 33.67	− 6 20.0	2.453	3.247	12.1	21.8

79450 1997 WP_{6} 9 21.4 288.°52 3.°1/18.3 18

8 19	0 17.06	− 7 4.6	1.927	2.811	12.1	19.6
8 29	0 12.13	− 7 54.7	1.864	2.811	8.8	19.4
9 8	0 5.43	− 8 49.3	1.825	2.810	5.3	19.2
9 18	23 57.59	− 9 42.3	1.812	2.810	3.1	19.0
9 28	23 49.51	−10 27.3	1.828	2.809	5.1	19.2
10 8	23 42.09	−10 59.2	1.870	2.809	8.6	19.4
10 18	23 36.12	−11 14.8	1.937	2.808	11.9	19.6
10 28	23 32.18	−11 12.8	2.026	2.808	14.8	19.8

506081 2015 VY_{148} 9 21.4 307.°56 4.°5/15.9 18

8 19	0 14.32	−11 55.3	2.179	3.069	10.7	21.5
8 29	0 10.01	−13 4.4	2.116	3.063	7.9	21.3
9 8	0 4.14	−14 14.5	2.078	3.057	5.4	21.2
9 18	23 57.26	−15 19.1	2.067	3.052	4.5	21.1
9 28	23 50.14	−16 11.9	2.083	3.046	6.3	21.2
10 8	23 43.56	−16 48.1	2.126	3.041	9.1	21.4
10 18	23 38.23	−17 5.4	2.194	3.036	11.9	21.5
10 28	23 34.67	−17 3.2	2.282	3.030	14.3	21.7

221800 2008 CJ_{44} 9 21.4 41.°09 2.°1/19.9 17

8 19	0 19.16	− 2 25.9	1.131	2.031	17.6	19.6
8 29	0 14.35	− 3 6.8	1.093	2.046	12.7	19.4
9 8	0 6.94	− 3 58.9	1.074	2.063	7.3	19.2
9 18	23 57.98	− 4 54.1	1.078	2.081	2.4	18.9
9 28	23 48.90	− 5 43.1	1.106	2.099	5.1	19.2
10 8	23 41.12	− 6 17.7	1.158	2.118	10.2	19.5
10 18	23 35.66	− 6 33.5	1.232	2.137	14.8	19.8
10 28	23 33.13	− 6 28.7	1.325	2.157	18.5	20.1

42726 1998 QW_{84} 9 21.4 87.°94 6.°1/27.3 18

8 19	0 18.84	+17 19.1	1.858	2.655	16.1	18.8
8 29	0 13.64	+17 43.2	1.785	2.660	13.3	18.7
9 8	0 6.43	+17 45.2	1.731	2.665	10.1	18.5
9 18	23 57.88	+17 24.6	1.702	2.670	7.3	18.3
9 28	23 48.95	+16 43.5	1.698	2.674	6.1	18.3
10 8	23 40.70	+15 47.7	1.721	2.679	7.6	18.4
10 18	23 34.04	+14 44.5	1.770	2.684	10.4	18.5
10 28	23 29.63	+13 42.0	1.842	2.688	13.4	18.8

474647 2004 XA_{59} 9 21.4 331.°77 6.°5/25.9 18

8 19	0 16.79	+13 4.8	1.342	2.187	18.7	20.5
8 29	0 12.96	+13 53.1	1.260	2.169	15.3	20.2
9 8	0 6.46	+14 19.1	1.196	2.152	11.4	20.0
9 18	23 57.97	+14 20.6	1.154	2.136	7.8	19.7
9 28	23 48.68	+13 58.7	1.135	2.121	6.6	19.6
10 8	23 40.04	+13 19.1	1.140	2.108	9.3	19.7
10 18	23 33.36	+12 30.6	1.168	2.095	13.4	19.9
10 28	23 29.64	+11 43.0	1.216	2.083	17.5	20.1

324301 2006 DG_{98} 9 21.4 110.°05 0.°1/21.3 18

8 19	0 14.52	+ 1 27.0	2.416	3.276	10.9	21.4
8 29	0 9.95	+ 0 51.6	2.348	3.281	8.0	21.2
9 8	0 4.02	+ 0 7.2	2.305	3.287	4.7	21.0
9 18	23 57.23	− 0 42.8	2.289	3.292	1.2	20.8
9 28	23 50.25	− 1 33.6	2.302	3.297	2.4	20.9
10 8	23 43.78	− 2 20.5	2.344	3.303	5.8	21.1
10 18	23 38.42	− 2 59.4	2.413	3.308	8.9	21.3
10 28	23 34.66	− 3 27.3	2.506	3.313	11.6	21.5

352267 2007 TM_{266} 9 21.4 6.°48 8.°1/15.0 18

8 19	0 19.60	−18 37.0	1.441	2.340	14.6	20.0
8 29	0 14.46	−19 37.0	1.396	2.340	11.3	19.8
9 8	0 6.96	−20 29.4	1.372	2.341	8.8	19.6
9 18	23 58.01	−21 5.1	1.372	2.343	8.3	19.6
9 28	23 48.85	−21 16.5	1.396	2.346	10.2	19.7
10 8	23 40.75	−21 0.4	1.444	2.349	13.2	19.9
10 18	23 34.70	−20 17.7	1.512	2.353	16.3	20.1
10 28	23 31.33	−19 11.7	1.599	2.357	19.0	20.3

6758 Jesseowens 9 21.4 107.°46 2.°1/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 22.52	− 5 31.7	1.885	2.758	12.9	17.5
8 29	0 16.01	− 5 52.1	1.830	2.771	9.3	17.3
9 8	0 7.65	− 6 16.8	1.799	2.784	5.4	17.1
9 18	23 58.17	− 6 41.2	1.795	2.796	2.2	17.0
9 28	23 48.54	− 7 0.1	1.820	2.808	4.2	17.1
10 8	23 39.77	− 7 9.6	1.872	2.820	7.9	17.4
10 18	23 32.64	− 7 7.1	1.951	2.832	11.4	17.6
10 28	23 27.71	− 6 51.5	2.052	2.843	14.3	17.8

141012 2001 WD_{42} 9 21.4 102.°35 1.°4/19.9 18

8 19	0 16.06	− 2 5.4	2.017	2.892	12.1	20.6
8 29	0 11.33	− 2 50.2	1.952	2.895	8.8	20.4
9 8	0 4.93	− 3 43.2	1.911	2.897	5.0	20.1
9 18	23 57.48	− 4 39.4	1.897	2.900	1.6	19.9
9 28	23 49.80	− 5 32.9	1.912	2.903	3.6	20.1
10 8	23 42.74	− 6 17.9	1.954	2.906	7.3	20.3
10 18	23 37.04	− 6 50.4	2.022	2.908	10.7	20.5
10 28	23 33.24	− 7 7.7	2.112	2.911	13.7	20.7

324946 2007 YU_{8} 9 21.4 322.°33 0.°4/21.7 17

8 19	0 21.28	+ 1 34.1	1.336	2.214	16.8	21.2
8 29	0 15.97	+ 1 26.2	1.270	2.211	12.5	20.9
9 8	0 8.04	+ 1 3.9	1.224	2.208	7.6	20.6
9 18	23 58.34	+ 0 31.4	1.203	2.206	2.1	20.3
9 28	23 48.15	− 0 4.7	1.207	2.203	3.6	20.4
10 8	23 38.90	− 0 37.2	1.236	2.201	8.9	20.7
10 18	23 31.77	− 0 59.6	1.288	2.199	13.8	21.0
10 28	23 27.54	− 1 7.4	1.361	2.197	17.9	21.2

242708 2005 UK_{1} 9 21.4 226.°85 0.°0/21.4 18 R

8 19	0 19.38	+ 2 10.3	3.259	4.095	9.0	24.3
8 29	0 13.29	+ 1 30.2	3.155	4.076	6.6	24.1
9 8	0 5.95	+ 0 41.8	3.078	4.055	4.0	23.9
9 18	23 57.75	− 0 12.3	3.031	4.034	1.0	23.7
9 28	23 49.24	− 1 8.4	3.017	4.011	2.0	23.8
10 8	23 41.02	− 2 2.5	3.034	3.987	4.9	23.9
10 18	23 33.64	− 2 51.0	3.082	3.962	7.7	24.1
10 28	23 27.58	− 3 30.8	3.156	3.936	10.0	24.2

221954 1994 VA_{5} 9 21.4 212.°00 0.°1/21.5 18

8 19	0 20.23	+ 1 48.8	1.879	2.739	13.5	21.5
8 29	0 14.60	+ 1 22.6	1.801	2.734	10.0	21.3
9 8	0 6.99	+ 0 44.5	1.747	2.728	6.0	21.1
9 18	23 58.05	− 0 1.8	1.719	2.722	1.6	20.8
9 28	23 48.72	− 0 50.5	1.719	2.715	2.9	20.8
10 8	23 40.03	− 1 35.7	1.747	2.708	7.3	21.1
10 18	23 32.86	− 2 11.8	1.802	2.700	11.2	21.3
10 28	23 27.89	− 2 34.9	1.879	2.691	14.6	21.5

438718 2008 SF_{101} 9 21.4 316.°96 3.°8/18.3 18

8 19	0 18.67	− 7 43.8	1.552	2.445	14.1	20.9
8 29	0 13.74	− 8 30.9	1.488	2.438	10.3	20.7
9 8	0 6.58	− 9 22.7	1.446	2.432	6.3	20.4
9 18	23 57.96	−10 12.4	1.429	2.426	3.8	20.3
9 28	23 48.95	−10 52.0	1.438	2.421	6.1	20.4
10 8	23 40.75	−11 15.3	1.473	2.415	10.1	20.6
10 18	23 34.35	−11 19.2	1.531	2.410	14.0	20.8
10 28	23 30.44	−11 2.7	1.609	2.405	17.4	21.1

234800 2002 QQ_{73} 9 21.4 49.°30 2.°1/19.7 18

8 19	0 19.40	− 4 20.3	1.567	2.452	14.4	20.1
8 29	0 14.03	− 4 50.7	1.517	2.465	10.4	19.9
9 8	0 6.60	− 5 27.8	1.491	2.478	6.0	19.7
9 18	23 57.92	− 6 5.8	1.489	2.491	2.3	19.5
9 28	23 49.09	− 6 38.1	1.514	2.505	4.5	19.7
10 8	23 41.20	− 6 59.1	1.566	2.519	8.7	20.0
10 18	23 35.13	− 7 5.8	1.642	2.533	12.5	20.2
10 28	23 31.45	− 6 56.5	1.738	2.547	15.8	20.5

277800 2006 EV_{73} 9 21.4 72.°30 1.°9/18.7 18

8 19	0 12.21	− 3 19.1	2.448	3.324	10.2	20.5
8 29	0 8.27	− 4 34.7	2.387	3.332	7.3	20.3
9 8	0 3.04	− 5 57.0	2.352	3.339	4.2	20.2
9 18	23 57.00	− 7 20.4	2.346	3.346	2.0	20.0
9 28	23 50.80	− 8 39.1	2.369	3.354	3.8	20.2
10 8	23 45.09	− 9 47.5	2.420	3.361	6.8	20.4
10 18	23 40.43	−10 41.7	2.498	3.368	9.6	20.6
10 28	23 37.28	−11 19.5	2.600	3.376	12.0	20.7

508364 2016 EV_{192} 9 21.4 76.°92 2.°0/20.1 17

8 19	0 24.65	− 3 22.9	1.213	2.102	17.4	21.1
8 29	0 18.32	− 3 47.8	1.168	2.116	12.7	20.9
9 8	0 9.29	− 4 21.8	1.144	2.131	7.3	20.7
9 18	23 58.63	− 4 58.3	1.143	2.146	2.4	20.4
9 28	23 47.82	− 5 29.2	1.168	2.161	4.9	20.6
10 8	23 38.34	− 5 47.8	1.218	2.175	10.1	21.0
10 18	23 31.30	− 5 50.3	1.291	2.190	14.6	21.3
10 28	23 27.33	− 5 35.3	1.383	2.205	18.4	21.6

329337 2001 HA_{26} 9 21.4 121°.11 1°.0/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 20.85	− 0 20.3	1.687	2.558	14.3	21.9
8 29	0 15.00	− 1 6.5	1.632	2.572	10.4	21.7
9 8	0 7.15	− 2 3.5	1.601	2.586	6.0	21.5
9 18	23 58.07	− 3 5.5	1.596	2.599	1.6	21.2
9 28	23 48.82	− 4 5.3	1.618	2.612	3.7	21.4
10 8	23 40.46	− 4 56.1	1.668	2.624	8.0	21.7
10 18	23 33.84	− 5 32.9	1.744	2.636	11.9	21.9
10 28	23 29.55	− 5 52.9	1.841	2.647	15.1	22.2

305254 Moron 9 21.4 295°.14 3°.0/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.45	− 6 10.0	1.850	2.736	12.5	20.8
8 29	0 11.84	− 7 1.9	1.780	2.728	9.1	20.5
9 8	0 5.36	− 7 59.8	1.733	2.719	5.4	20.3
9 18	23 57.64	− 8 57.7	1.712	2.711	3.0	20.1
9 28	23 49.58	− 9 48.6	1.719	2.703	5.1	20.3
10 8	23 42.15	−10 26.4	1.753	2.695	8.8	20.5
10 18	23 36.18	−10 47.4	1.811	2.687	12.4	20.7
10 28	23 32.31	−10 49.9	1.890	2.679	15.4	20.9

215099 1981 EN_{36} 9 21.4 269°.62 2°.6/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.44	+10 9.6	2.058	2.891	13.5	20.8
8 29	0 11.07	+ 9 44.2	1.965	2.875	10.6	20.5
9 8	0 4.93	+ 9 0.7	1.893	2.858	7.1	20.3
9 18	23 57.56	+ 8 1.1	1.848	2.841	3.7	20.1
9 28	23 49.73	+ 6 49.8	1.830	2.824	3.1	20.0
10 8	23 42.37	+ 5 33.5	1.840	2.807	6.3	20.2
10 18	23 36.28	+ 4 19.4	1.877	2.790	10.0	20.3
10 28	23 32.12	+ 3 13.9	1.938	2.772	13.4	20.5

81169 2000 EL_{165} 9 21.4 122°.77 0°.4/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.31	+ 0 51.0	1.683	2.551	14.4	19.9
8 29	0 14.67	+ 0 16.3	1.623	2.561	10.5	19.7
9 8	0 7.00	− 0 30.3	1.587	2.571	6.2	19.4
9 18	23 58.06	− 1 23.6	1.576	2.580	1.5	19.1
9 28	23 48.89	− 2 17.2	1.593	2.589	3.3	19.3
10 8	23 40.56	− 3 4.1	1.638	2.597	7.8	19.6
10 18	23 33.95	− 3 39.2	1.708	2.605	11.8	19.9
10 28	23 29.68	− 3 59.2	1.799	2.613	15.1	20.1

239000 2006 CB_{44} 9 21.4 160°.75 5°.6/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.31	−15 59.2	2.109	2.988	11.4	20.9
8 29	0 15.08	−16 54.8	2.056	2.994	8.7	20.7
9 8	0 7.10	−17 46.9	2.028	2.998	6.3	20.6
9 18	23 58.07	−18 28.9	2.027	3.002	5.6	20.6
9 28	23 48.88	−18 55.3	2.054	3.006	7.2	20.7
10 8	23 40.44	−19 2.8	2.108	3.009	9.8	20.9
10 18	23 33.50	−18 50.6	2.186	3.012	12.5	21.0
10 28	23 28.61	−18 19.9	2.285	3.014	14.8	21.2

255333 2005 WS_{44} 9 21.4 139°.29 0°.6/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.93	+ 3 35.0	2.508	3.356	10.9	21.3
8 29	0 10.95	+ 3 8.1	2.438	3.364	8.1	21.1
9 8	0 4.62	+ 2 31.4	2.393	3.371	4.9	20.9
9 18	23 57.44	+ 1 47.7	2.376	3.378	1.6	20.7
9 28	23 50.07	+ 1 1.2	2.389	3.385	2.1	20.8
10 8	23 43.21	+ 0 16.4	2.430	3.392	5.4	21.0
10 18	23 37.46	− 0 22.6	2.499	3.398	8.5	21.2
10 28	23 33.28	− 0 52.5	2.593	3.404	11.1	21.4

166376 2002 LU_{42} 9 21.4 44°.71 5°.1/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.51	+16 39.5	1.523	2.345	17.9	19.8
8 29	0 10.66	+16 12.3	1.464	2.360	14.4	19.6
9 8	0 4.72	+15 16.8	1.425	2.375	10.5	19.4
9 18	23 57.49	+13 55.4	1.409	2.390	6.7	19.2
9 28	23 50.02	+12 14.9	1.418	2.406	5.1	19.2
10 8	23 43.43	+10 25.6	1.454	2.423	7.4	19.4
10 18	23 38.60	+ 8 38.3	1.514	2.439	11.0	19.6
10 28	23 36.13	+ 7 2.7	1.598	2.456	14.5	19.9

84350 2002 TA_{77} 9 21.4 296°.22 2°.1/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.08	+ 7 16.9	1.811	2.662	14.3	19.5
8 29	0 11.75	+ 7 2.1	1.724	2.647	11.0	19.3
9 8	0 5.43	+ 6 30.5	1.658	2.631	7.2	19.0
9 18	23 57.71	+ 5 44.2	1.617	2.615	3.3	18.8
9 28	23 49.50	+ 4 48.1	1.603	2.600	3.0	18.7
10 8	23 41.81	+ 3 48.8	1.617	2.584	7.0	18.9
10 18	23 35.57	+ 2 53.4	1.656	2.569	11.1	19.1
10 28	23 31.51	+ 2 8.1	1.717	2.554	14.7	19.3

523284 2017 BM_{34} 9 21.4 259°.13 3°.6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.28	− 9 34.0	2.336	3.221	10.3	21.3
8 29	0 9.91	−10 39.2	2.270	3.216	7.5	21.2
9 8	0 4.08	−11 47.0	2.229	3.211	4.8	21.0
9 18	23 57.31	−12 51.6	2.216	3.207	3.6	20.9
9 28	23 50.31	−13 47.1	2.231	3.202	5.3	21.0
10 8	23 43.81	−14 28.9	2.274	3.197	8.1	21.2
10 18	23 38.46	−14 54.0	2.342	3.192	10.9	21.4
10 28	23 34.76	−15 1.5	2.432	3.187	13.3	21.5

278186 2007 DB_{106} 9 21.4 156°.58 0°.2/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 19.80	+ 2 29.0	2.006	2.862	13.0	22.5
8 29	0 14.07	+ 1 55.6	1.939	2.869	9.6	22.3
9 8	0 6.58	+ 1 10.7	1.895	2.876	5.7	22.0
9 18	23 57.97	+ 0 18.0	1.879	2.882	1.5	21.8
9 28	23 49.11	− 0 36.7	1.891	2.887	2.7	21.9
10 8	23 40.94	− 1 27.5	1.932	2.892	6.7	22.1
10 18	23 34.21	− 2 9.4	2.000	2.896	10.4	22.4
10 28	23 29.52	− 2 38.6	2.091	2.899	13.5	22.6

224234 2005 SO_{86} 9 21.4 46°.40 0°.7/20.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.45	+ 1 28.3	1.251	2.139	17.1	20.3
8 29	0 12.99	+ 0 38.6	1.207	2.154	12.5	20.1
9 8	0 6.15	− 0 26.9	1.183	2.170	7.2	19.9
9 18	23 57.86	− 1 40.7	1.183	2.186	1.8	19.6
9 28	23 49.40	− 2 53.2	1.208	2.203	4.0	19.8
10 8	23 42.05	− 3 54.9	1.258	2.221	9.1	20.1
10 18	23 36.80	− 4 39.3	1.331	2.239	13.6	20.5
10 28	23 34.25	− 5 2.8	1.424	2.257	17.4	20.7

322149 2010 WO_{30} 9 21.4 129°.95 1°.6/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.10	+ 7 12.7	2.448	3.285	11.5	21.2
8 29	0 10.41	+ 6 49.4	2.375	3.291	8.7	21.1
9 8	0 4.34	+ 6 13.6	2.327	3.297	5.6	20.9
9 18	23 57.39	+ 5 27.8	2.305	3.303	2.5	20.7
9 28	23 50.23	+ 4 36.0	2.312	3.308	2.3	20.7
10 8	23 43.58	+ 3 43.1	2.349	3.314	5.3	20.9
10 18	23 38.04	+ 2 53.8	2.412	3.319	8.4	21.1
10 28	23 34.09	+ 2 12.4	2.501	3.324	11.1	21.3

218196 2002 TH_{102} 9 21.4 39°.82 3°.9/24.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.61	+11 7.3	1.126	1.992	20.2	19.9
8 29	0 12.63	+10 49.3	1.082	2.009	15.6	19.6
9 8	0 6.05	+10 3.0	1.055	2.026	10.5	19.4
9 18	23 57.85	+ 8 52.5	1.050	2.045	5.6	19.2
9 28	23 49.45	+ 7 26.7	1.069	2.064	4.4	19.2
10 8	23 42.26	+ 5 57.7	1.111	2.084	8.5	19.5
10 18	23 37.34	+ 4 36.7	1.177	2.105	13.2	19.8
10 28	23 35.32	+ 3 32.5	1.262	2.126	17.2	20.2

146598 2001 TQ_{166} 9 21.4 313°.65 8°.1/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.45	+23 31.2	1.913	2.677	16.9	19.4
8 29	0 11.36	+23 59.5	1.824	2.666	14.5	19.3
9 8	0 5.25	+24 2.3	1.753	2.655	11.9	19.1
9 18	23 57.69	+23 37.4	1.703	2.644	9.5	18.9
9 28	23 49.60	+22 45.4	1.678	2.634	8.2	18.8
10 8	23 42.04	+21 31.3	1.678	2.624	8.8	18.8
10 18	23 35.96	+20 3.0	1.703	2.615	10.9	18.9
10 28	23 32.11	+18 30.3	1.752	2.606	13.7	19.1

169825 2002 QQ_{67} 9 21.4 351°.80 0°.3/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.18	− 0 9.1	1.545	2.424	14.9	20.3
8 29	0 13.40	− 0 21.0	1.478	2.421	11.0	20.1
9 8	0 6.42	− 0 43.9	1.433	2.418	6.5	19.8
9 18	23 57.98	− 1 13.6	1.413	2.416	1.6	19.5
9 28	23 49.15	− 1 44.2	1.418	2.414	3.4	19.6
10 8	23 41.12	− 2 9.7	1.450	2.413	8.2	19.9
10 18	23 34.85	− 2 24.9	1.506	2.412	12.5	20.1
10 28	23 31.05	− 2 26.6	1.583	2.412	16.1	20.4

220360 2003 NV_{2} 9 21.4 50°.84 7°.0/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.11	+20 3.6	2.004	2.777	15.9	19.4
8 29	0 14.44	+20 51.7	1.941	2.794	13.3	19.2
9 8	0 6.87	+21 18.2	1.898	2.811	10.6	19.1
9 18	23 58.08	+21 21.6	1.879	2.829	8.2	19.0
9 28	23 48.99	+21 3.2	1.885	2.846	7.0	19.0
10 8	23 40.62	+20 27.3	1.918	2.864	7.9	19.1
10 18	23 33.80	+19 40.3	1.977	2.882	10.0	19.2
10 28	23 29.15	+18 49.5	2.060	2.900	12.4	19.4

378567 2008 CM_{205} 9 21.4 102°.05 1°.1/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.58	+ 4 53.9	1.569	2.429	15.7	21.3
8 29	0 14.96	+ 4 24.1	1.514	2.444	11.7	21.1
9 8	0 7.22	+ 3 38.0	1.480	2.459	7.2	20.8
9 18	23 58.16	+ 2 40.2	1.472	2.474	2.4	20.6
9 28	23 48.89	+ 1 37.5	1.491	2.488	3.0	20.7
10 8	23 40.57	+ 0 37.8	1.536	2.502	7.6	21.0
10 18	23 34.08	− 0 12.3	1.607	2.515	11.7	21.2
10 28	23 30.06	− 0 47.9	1.701	2.528	15.2	21.5

58029 2002 VH_{63} 9 21.4 71°.84 5°.7/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.71	+15 7.2	1.466	2.291	18.4	18.6
8 29	0 14.59	+15 17.3	1.407	2.304	14.8	18.4
9 8	0 7.13	+15 1.6	1.367	2.317	10.8	18.2
9 18	23 58.16	+14 20.6	1.349	2.330	7.1	18.0
9 28	23 48.88	+13 18.9	1.357	2.343	5.7	18.0
10 8	23 40.55	+12 4.9	1.390	2.356	8.1	18.1
10 18	23 34.19	+10 48.5	1.448	2.369	11.7	18.4
10 28	23 30.50	+ 9 38.9	1.528	2.382	15.3	18.6

369453 2010 LV_{75} 9 21.4 96°.65 4°.4/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 23.07	+11 7.8	1.397	2.237	18.3	21.3
8 29	0 17.12	+11 20.4	1.339	2.250	14.4	21.1
9 8	0 8.64	+11 10.2	1.301	2.263	10.0	20.9
9 18	23 58.56	+10 38.4	1.286	2.276	5.8	20.7
9 28	23 48.15	+ 9 49.8	1.297	2.289	4.7	20.7
10 8	23 38.79	+ 8 52.7	1.333	2.301	8.2	20.9
10 18	23 31.58	+ 7 55.8	1.395	2.313	12.3	21.2
10 28	23 27.23	+ 7 7.3	1.477	2.325	16.1	21.5

399622 2004 GG_{32} 9 21.4 223°.56 0°.9/22.6 18

8 19	0 15.69	+ 5 43.2	2.309	3.154	11.9	21.9
8 29	0 11.01	+ 5 3.0	2.223	3.146	8.9	21.7
9 8	0 4.79	+ 4 9.3	2.162	3.137	5.6	21.5
9 18	23 57.55	+ 3 5.2	2.128	3.128	2.0	21.3
9 28	23 49.98	+ 1 55.8	2.122	3.119	2.3	21.3
10 8	23 42.88	+ 0 47.0	2.146	3.110	5.9	21.5
10 18	23 36.93	− 0 15.5	2.198	3.100	9.3	21.7
10 28	23 32.70	− 1 7.1	2.274	3.089	12.3	21.9

97487 2000 CS_{71} 9 21.4 296°.86 3°.6/25.5 18

8 19	0 16.07	+12 14.6	2.326	3.140	12.8	19.1
8 29	0 11.32	+12 22.5	2.241	3.135	10.1	18.9
9 8	0 4.99	+12 15.1	2.179	3.131	7.2	18.7
9 18	23 57.61	+11 53.1	2.142	3.126	4.5	18.5
9 28	23 49.89	+11 19.0	2.133	3.121	3.7	18.5
10 8	23 42.64	+10 37.2	2.152	3.116	5.8	18.6
10 18	23 36.55	+ 9 52.7	2.199	3.111	8.8	18.8
10 28	23 32.22	+ 9 11.0	2.270	3.107	11.6	19.0

314111 2005 ES_{90} 9 21.4 125°.89 0°.8/20.7 17

8 19	0 18.31	+ 1 53.8	1.485	2.361	15.6	20.8
8 29	0 13.48	+ 0 48.8	1.426	2.368	11.4	20.5
9 8	0 6.44	− 0 32.1	1.388	2.374	6.6	20.3
9 18	23 57.99	− 2 2.1	1.376	2.380	1.6	20.0
9 28	23 49.24	− 3 31.6	1.391	2.386	3.8	20.2
10 8	23 41.37	− 4 51.0	1.432	2.391	8.7	20.5
10 18	23 35.34	− 5 53.1	1.498	2.396	13.1	20.7
10 28	23 31.82	− 6 33.8	1.584	2.401	16.7	21.0

520540 2014 MK_{75} 9 21.4 308°.36 8°.1/30.2 17

8 19	0 18.17	+24 15.5	2.168	2.911	15.7	21.1
8 29	0 13.16	+25 2.7	2.081	2.906	13.6	20.9
9 8	0 6.24	+25 27.8	2.013	2.901	11.3	20.7
9 18	23 57.97	+25 28.4	1.968	2.896	9.3	20.6
9 28	23 49.20	+25 4.3	1.948	2.891	8.1	20.5
10 8	23 40.92	+24 19.1	1.953	2.887	8.6	20.5
10 18	23 34.02	+23 18.8	1.984	2.882	10.3	20.6
10 28	23 29.20	+22 11.1	2.039	2.878	12.6	20.8

436101 2009 SM_{268} 9 21.4 334°.39 0°.4/20.7 15

8 19	0 10.79	− 1 33.4	3.847	4.706	7.2	21.2
8 29	0 6.88	− 1 49.9	3.768	4.702	5.2	21.1
9 8	0 2.12	− 2 10.3	3.716	4.699	3.0	20.9
9 18	23 56.83	− 2 32.9	3.692	4.696	0.8	20.7
9 28	23 51.41	− 2 55.1	3.699	4.692	1.8	20.8
10 8	23 46.26	− 3 14.7	3.735	4.689	4.1	21.0
10 18	23 41.75	− 3 29.6	3.800	4.686	6.2	21.1
10 28	23 38.22	− 3 38.0	3.890	4.683	8.0	21.3

335008 2004 HV_{33} 9 21.4 171°.90 2°.3/19.2 17

8 19	0 19.21	− 3 34.8	1.840	2.717	13.0	21.2
8 29	0 13.81	− 4 36.2	1.776	2.720	9.4	20.9
9 8	0 6.52	− 5 45.8	1.737	2.723	5.5	20.7
9 18	23 58.01	− 6 57.4	1.723	2.724	2.3	20.5
9 28	23 49.22	− 8 3.4	1.739	2.726	4.5	20.7
10 8	23 41.15	− 8 57.3	1.782	2.727	8.4	20.9
10 18	23 34.63	− 9 34.5	1.850	2.727	12.1	21.1
10 28	23 30.27	− 9 52.9	1.939	2.727	15.1	21.4

218077 2002 GY_{88} 9 21.4 66°.87 1°.8/19.1 18

8 19	0 13.39	− 1 53.6	2.106	2.983	11.6	19.7
8 29	0 9.30	− 3 13.5	2.051	2.996	8.3	19.5
9 8	0 3.73	− 4 41.8	2.022	3.008	4.7	19.3
9 18	23 57.26	− 6 12.3	2.020	3.021	1.9	19.2
9 28	23 50.63	− 7 37.9	2.047	3.034	3.9	19.3
10 8	23 44.61	− 8 52.0	2.102	3.047	7.3	19.6
10 18	23 39.84	− 9 50.1	2.183	3.060	10.5	19.8
10 28	23 36.79	−10 29.8	2.287	3.073	13.1	20.0

202523 2006 DZ_{2} 9 21.4 329°.00 1°.6/20.1 18

8 19	0 13.67	− 0 19.8	1.319	2.214	15.9	20.3
8 29	0 10.50	− 1 15.3	1.247	2.199	11.7	20.0
9 8	0 4.93	− 2 27.1	1.195	2.184	6.8	19.7
9 18	23 57.66	− 3 48.2	1.167	2.171	2.0	19.4
9 28	23 49.84	− 5 8.7	1.164	2.158	4.7	19.5
10 8	23 42.76	− 6 18.0	1.186	2.146	9.9	19.8
10 18	23 37.55	− 7 8.2	1.230	2.135	14.7	20.0
10 28	23 35.03	− 7 34.7	1.293	2.125	18.8	20.3

316736 1998 UJ_{9} 9 21.4 326°.55 1°.2/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.19	− 3 26.1	2.168	3.039	11.5	20.3
8 29	0 12.85	− 3 41.3	2.097	3.036	8.4	20.1
9 8	0 5.87	− 4 2.0	2.049	3.034	4.9	19.9
9 18	23 57.84	− 4 24.8	2.029	3.032	1.5	19.6
9 28	23 49.55	− 4 45.2	2.038	3.030	3.3	19.8
10 8	23 41.84	− 4 59.3	2.075	3.028	6.9	20.0
10 18	23 35.43	− 5 4.1	2.139	3.027	10.2	20.2
10 28	23 30.88	− 4 57.6	2.225	3.025	13.0	20.4

150201 1998 RR_{50} 9 21.5 24°.45 0°.5/21.8 18

8 19	0 23.56	− 0 34.0	1.626	2.495	14.8	18.2
8 29	0 17.09	− 0 0.1	1.570	2.506	11.0	18.0
9 8	0 8.47	+ 0 26.0	1.536	2.518	6.6	17.7
9 18	23 58.53	+ 0 46.2	1.528	2.531	1.9	17.5
9 28	23 48.38	+ 1 3.3	1.548	2.545	3.0	17.6
10 8	23 39.19	+ 1 20.7	1.596	2.560	7.4	17.9
10 18	23 31.88	+ 1 41.2	1.669	2.575	11.4	18.2
10 28	23 27.07	+ 2 7.4	1.764	2.591	14.8	18.4

178348 1995 WQ_{19} 9 21.5 7°.30 1°.6/22.8 18

8 19	0 7.72	+ 6 33.8	0.862	1.770	20.9	18.5
8 29	0 6.72	+ 5 56.4	0.815	1.770	15.8	18.3
9 8	0 2.88	+ 4 49.1	0.786	1.773	9.9	18.0
9 18	23 57.15	+ 3 19.2	0.776	1.778	3.6	17.6
9 28	23 50.99	+ 1 39.7	0.786	1.785	3.9	17.7
10 8	23 46.00	+ 0 6.1	0.818	1.794	10.0	18.1
10 18	23 43.35	− 1 9.0	0.869	1.806	15.5	18.4
10 28	23 43.78	− 1 57.7	0.938	1.820	20.2	18.8

149256 2002 TD_{14} 9 21.5 278°.40 0°.6/22.0 16

8 19	0 16.49	+ 4 51.1	1.506	2.375	15.8	20.4
8 29	0 12.33	+ 4 2.5	1.430	2.366	11.8	20.2
9 8	0 5.91	+ 2 54.2	1.375	2.357	7.2	19.9
9 18	23 57.93	+ 1 31.3	1.345	2.348	2.2	19.5
9 28	23 49.45	+ 0 2.0	1.341	2.338	3.2	19.6
10 8	23 41.67	− 1 23.6	1.364	2.329	8.3	19.9
10 18	23 35.64	− 2 36.7	1.411	2.320	12.9	20.1
10 28	23 32.12	− 3 30.8	1.479	2.311	16.9	20.4

517924 2015 TE_{170} 9 21.5 335°.52 0°.1/21.4 18

8 19	0 13.15	+ 2 50.1	1.993	2.860	12.6	20.9
8 29	0 9.34	+ 1 59.0	1.919	2.855	9.3	20.7
9 8	0 3.89	+ 0 54.6	1.868	2.851	5.5	20.5
9 18	23 57.36	− 0 18.4	1.844	2.847	1.4	20.2
9 28	23 50.54	− 1 33.7	1.847	2.843	2.8	20.3
10 8	23 44.26	− 2 44.2	1.878	2.839	6.8	20.5
10 18	23 39.25	− 3 44.2	1.936	2.836	10.4	20.8
10 28	23 36.10	− 4 29.0	2.016	2.833	13.6	21.0

178102 2006 SJ_{278} 9 21.5 98°.75 0°.8/22.1 17

8 19	0 23.26	+ 2 36.5	1.453	2.320	16.3	21.0
8 29	0 17.15	+ 2 32.1	1.394	2.329	12.2	20.8
9 8	0 8.65	+ 2 13.7	1.357	2.338	7.4	20.5
9 18	23 58.61	+ 1 45.0	1.344	2.346	2.3	20.3
9 28	23 48.27	+ 1 11.8	1.358	2.355	3.2	20.3
10 8	23 38.93	+ 0 40.8	1.399	2.364	8.2	20.7
10 18	23 31.64	+ 0 17.8	1.464	2.372	12.6	21.0
10 28	23 27.09	+ 0 6.9	1.550	2.380	16.3	21.2

516553 2006 VT_{66} 9 21.5 324°.71 9°.3/13.1 18

8 19	0 21.16	−24 1.5	1.700	2.584	13.5	20.3
8 29	0 15.54	−25 2.8	1.645	2.573	11.1	20.1
9 8	0 7.67	−25 52.9	1.613	2.562	9.5	20.0
9 18	23 58.35	−26 23.2	1.604	2.552	9.5	20.0
9 28	23 48.74	−26 26.8	1.620	2.542	11.1	20.1
10 8	23 40.04	−26 1.2	1.660	2.532	13.6	20.2
10 18	23 33.22	−25 7.5	1.720	2.523	16.3	20.4
10 28	23 28.95	−23 49.7	1.798	2.515	18.6	20.5

229878 2009 UE_{40} 9 21.5 297°.55 2°.4/26.5 18

8 19	0 8.60	+14 24.4	4.259	5.046	7.9	20.1
8 29	0 5.30	+14 8.6	4.162	5.037	6.3	20.0
9 8	0 1.22	+13 42.9	4.088	5.027	4.6	19.9
9 18	23 56.65	+13 8.0	4.041	5.017	3.1	19.7
9 28	23 51.92	+12 25.9	4.024	5.008	2.4	19.7
10 8	23 47.41	+11 39.0	4.037	4.998	3.5	19.8
10 18	23 43.47	+10 50.2	4.078	4.988	5.1	19.9
10 28	23 40.40	+10 2.5	4.147	4.979	6.8	20.0

330224 2006 HQ_{115} 9 21.5 257°.74 2°.9/25.5 18

8 19	0 13.47	+12 57.9	2.639	3.448	11.6	21.4
8 29	0 9.31	+12 30.3	2.541	3.434	9.2	21.2
9 8	0 3.79	+11 46.6	2.467	3.419	6.5	21.0
9 18	23 57.35	+10 48.3	2.419	3.405	3.9	20.8
9 28	23 50.59	+ 9 38.9	2.400	3.390	3.0	20.8
10 8	23 44.20	+ 8 23.4	2.410	3.375	5.2	20.9
10 18	23 38.79	+ 7 7.6	2.448	3.360	8.0	21.0
10 28	23 34.87	+ 5 57.0	2.513	3.345	10.7	21.2

353565 2011 SF_{230} 9 21.5 11°.67 1°.5/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 15.24	− 0 58.0	1.775	2.654	13.3	20.7
8 29	0 11.00	− 1 56.9	1.710	2.655	9.6	20.5
9 8	0 4.92	− 3 6.9	1.668	2.655	5.5	20.3
9 18	23 57.65	− 4 21.9	1.653	2.656	1.7	20.0
9 28	23 50.09	− 5 34.3	1.665	2.657	3.9	20.2
10 8	23 43.21	− 6 36.8	1.704	2.658	8.0	20.4
10 18	23 37.81	− 7 24.0	1.768	2.659	11.8	20.7
10 28	23 34.50	− 7 52.7	1.854	2.660	15.0	20.9

364544 2007 GL_{6} 9 21.5 113°.89 2°.7/18.1 18

8 19	0 16.19	− 8 10.2	2.518	3.394	9.9	21.4
8 29	0 11.12	− 8 56.6	2.463	3.406	7.2	21.2
9 8	0 4.74	− 9 45.1	2.434	3.418	4.4	21.1
9 18	23 57.57	−10 31.2	2.434	3.429	2.7	21.0
9 28	23 50.27	−11 10.1	2.462	3.440	4.3	21.1
10 8	23 43.53	−11 38.2	2.519	3.451	7.0	21.3
10 18	23 37.91	−11 53.3	2.602	3.461	9.6	21.5
10 28	23 33.87	−11 54.4	2.708	3.472	11.9	21.7

307049 2001 YS_{29} 9 21.5 346°.01 5°.9/15.9 18

8 19	0 17.75	−14 40.1	1.779	2.672	12.5	20.5
8 29	0 12.85	−15 38.9	1.723	2.669	9.5	20.3
9 8	0 6.02	−16 35.5	1.690	2.666	6.8	20.2
9 18	23 57.94	−17 22.4	1.683	2.664	5.9	20.1
9 28	23 49.61	−17 52.8	1.702	2.661	7.8	20.2
10 8	23 42.04	−18 2.4	1.746	2.659	10.8	20.4
10 18	23 36.08	−17 49.9	1.813	2.658	13.8	20.6
10 28	23 32.33	−17 16.3	1.900	2.657	16.5	20.8

479050 2013 AF_{48} 9 21.5 275°.65 8°.1/13.2 18

8 19	0 20.01	−21 16.9	1.861	2.746	12.5	21.0
8 29	0 14.58	−22 31.4	1.802	2.734	10.0	20.8
9 8	0 7.08	−23 38.6	1.766	2.722	8.3	20.7
9 18	23 58.24	−24 30.3	1.756	2.710	8.3	20.7
9 28	23 49.05	−24 59.0	1.771	2.698	10.0	20.7
10 8	23 40.62	−25 1.1	1.810	2.685	12.6	20.9
10 18	23 33.84	−24 36.4	1.871	2.673	15.2	21.0
10 28	23 29.38	−23 47.3	1.951	2.661	17.5	21.2

436493 2011 EL_{42} 9 21.5 169°.81 1°.5/20.0 17

8 19	0 20.58	− 2 26.5	1.896	2.767	12.9	22.3
8 29	0 14.79	− 3 6.6	1.830	2.770	9.4	22.0
9 8	0 7.11	− 3 55.0	1.788	2.773	5.5	21.8
9 18	23 58.23	− 4 46.5	1.773	2.775	1.8	21.6
9 28	23 49.08	− 5 34.9	1.786	2.777	3.8	21.7
10 8	23 40.64	− 6 14.4	1.827	2.778	7.8	22.0
10 18	23 33.74	− 6 40.8	1.894	2.779	11.4	22.2
10 28	23 28.99	− 6 51.9	1.984	2.779	14.6	22.4

356221 2009 SF_{178} 9 21.5 296°.63 0°.9/19.7 18

8 19	0 9.50	− 3 44.9	4.147	5.012	6.6	21.2
8 29	0 5.93	− 4 12.5	4.069	5.007	4.7	21.1
9 8	0 1.59	− 4 43.3	4.017	5.002	2.7	20.9
9 18	23 56.77	− 5 15.0	3.995	4.997	1.0	20.8
9 28	23 51.81	− 5 45.2	4.003	4.992	2.0	20.8
10 8	23 47.11	− 6 11.5	4.040	4.987	4.1	21.0
10 18	23 42.98	− 6 32.1	4.105	4.982	6.0	21.1
10 28	23 39.74	− 6 45.4	4.196	4.977	7.7	21.2

208758 2002 PU_{48} 9 21.5 23°.09 11°.1/29.0 18

8 19	0 24.08	+20 21.5	1.263	2.068	21.9	18.5
8 29	0 18.36	+22 19.7	1.213	2.082	18.7	18.4
9 8	0 9.68	+23 48.8	1.181	2.097	15.3	18.2
9 18	23 58.97	+24 42.7	1.168	2.114	12.4	18.1
9 28	23 47.75	+24 59.5	1.178	2.132	11.1	18.1
10 8	23 37.67	+24 44.2	1.211	2.152	11.9	18.2
10 18	23 30.05	+24 6.3	1.265	2.172	14.2	18.4
10 28	23 25.77	+23 17.7	1.339	2.194	17.0	18.6

94182 2001 AJ_{38} 9 21.5 337°.49 2°.3/22.7 18

8 19	0 22.59	+ 2 51.1	1.348	2.220	17.1	18.1
8 29	0 17.17	+ 3 36.1	1.272	2.208	13.0	17.8
9 8	0 8.99	+ 4 9.7	1.218	2.197	8.3	17.5
9 18	23 58.82	+ 4 32.5	1.186	2.186	3.5	17.2
9 28	23 47.97	+ 4 46.8	1.180	2.177	3.7	17.2
10 8	23 37.92	+ 4 56.8	1.200	2.168	8.7	17.5
10 18	23 29.97	+ 5 7.4	1.242	2.161	13.5	17.7
10 28	23 25.04	+ 5 23.2	1.306	2.154	17.7	18.0

327186 2005 LC_{42} 9 21.5 28°.03 2°.9/19.4 18

8 19	0 16.35	− 3 22.0	1.006	1.917	18.3	19.4
8 29	0 12.60	− 4 15.4	0.971	1.930	13.2	19.1
9 8	0 6.12	− 5 20.0	0.954	1.945	7.6	18.9
9 18	23 57.99	− 6 26.0	0.960	1.962	3.0	18.7
9 28	23 49.72	− 7 22.2	0.988	1.980	5.9	18.9
10 8	23 42.78	− 7 59.9	1.039	1.998	11.1	19.3
10 18	23 38.23	− 8 14.6	1.111	2.018	15.8	19.6
10 28	23 36.68	− 8 5.5	1.200	2.039	19.6	19.9

139171 2001 FY_{126} 9 21.5 154°.88 1°.5/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 21.42	− 2 4.6	1.807	2.677	13.5	21.0
8 29	0 15.45	− 2 49.1	1.745	2.685	9.8	20.8
9 8	0 7.52	− 3 42.6	1.706	2.691	5.7	20.6
9 18	23 58.36	− 4 39.4	1.695	2.698	1.8	20.3
9 28	23 48.94	− 5 32.9	1.712	2.703	3.9	20.5
10 8	23 40.31	− 6 16.9	1.757	2.708	8.0	20.8
10 18	23 33.33	− 6 46.9	1.827	2.713	11.8	21.0
10 28	23 28.59	− 7 0.5	1.920	2.716	14.9	21.2

285180 1996 TH_{16} 9 21.5 25°.79 1°.8/24.7 18

8 19	0 12.10	+ 9 16.5	4.267	5.076	7.5	20.5
8 29	0 7.80	+ 9 23.4	4.182	5.077	5.8	20.4
9 8	0 2.69	+ 9 22.9	4.123	5.079	4.0	20.3
9 18	23 57.07	+ 9 15.8	4.092	5.080	2.3	20.1
9 28	23 51.32	+ 9 3.7	4.090	5.081	1.9	20.1
10 8	23 45.80	+ 8 48.4	4.120	5.082	3.4	20.2
10 18	23 40.89	+ 8 32.1	4.178	5.083	5.2	20.4
10 28	23 36.89	+ 8 16.9	4.263	5.084	6.9	20.5

54680 2001 AS_{9} 9 21.5 189°.60 2°.7/27.3 18

8 19	0 9.29	+16 9.5	4.588	5.359	7.6	19.4
8 29	0 5.75	+16 4.5	4.498	5.359	6.2	19.3
9 8	0 1.48	+15 50.1	4.432	5.359	4.6	19.2
9 18	23 56.76	+15 26.9	4.392	5.358	3.3	19.1
9 28	23 51.90	+14 56.2	4.382	5.358	2.7	19.0
10 8	23 47.27	+14 20.2	4.401	5.357	3.4	19.1
10 18	23 43.17	+13 41.3	4.449	5.357	4.8	19.2
10 28	23 39.91	+13 2.3	4.525	5.356	6.3	19.3

140288 2001 SN_{289} 9 21.5 88°.20 4°.5/22.8 18

8 19	1 17.02	+ 4 37.8	1.228	2.003	23.9	19.8
8 29	0 56.52	+ 6 26.6	1.178	2.059	18.2	19.6
9 8	0 31.61	+ 7 59.3	1.156	2.111	11.7	19.4
9 18	0 4.48	+ 9 9.2	1.169	2.162	5.7	19.2
9 28	23 38.19	+ 9 54.1	1.221	2.209	5.7	19.3
10 8	23 15.48	+10 18.5	1.309	2.255	10.8	19.7
10 18	22 57.88	+10 31.1	1.429	2.298	15.4	20.1
10 28	22 45.71	+10 40.6	1.572	2.339	19.0	20.5

157467 2004 XR_{172} 9 21.5 311°.15 1°.3/19.8 18

8 19	0 12.27	+ 0 27.2	2.155	3.026	11.6	19.8
8 29	0 8.62	− 0 57.0	2.079	3.021	8.4	19.6
9 8	0 3.46	− 2 33.4	2.029	3.015	4.8	19.3
9 18	23 57.31	− 4 15.9	2.007	3.010	1.5	19.1
9 28	23 50.87	− 5 57.1	2.014	3.004	3.5	19.2
10 8	23 44.93	− 7 29.3	2.049	2.999	7.2	19.5
10 18	23 40.15	− 8 46.6	2.111	2.994	10.5	19.7
10 28	23 37.07	− 9 45.2	2.196	2.989	13.4	19.9

211791 2004 CL_{65} 9 21.5 258°.53 2°.4/19.0 18

8 19	0 17.66	− 5 6.8	2.040	2.918	11.9	20.9
8 29	0 12.70	− 5 53.6	1.960	2.904	8.6	20.7
9 8	0 5.94	− 6 46.9	1.904	2.890	5.1	20.4
9 18	23 57.97	− 7 41.5	1.876	2.876	2.4	20.2
9 28	23 49.62	− 8 31.1	1.876	2.862	4.4	20.3
10 8	23 41.80	− 9 10.2	1.903	2.847	8.1	20.5
10 18	23 35.31	− 9 34.7	1.956	2.832	11.6	20.7
10 28	23 30.79	− 9 42.4	2.031	2.817	14.6	20.9

441140 2007 TC_{143} 9 21.5 7°.35 15°.3/29.5 18

8 19	0 3.27	−22 25.1	0.931	1.867	16.8	18.4
8 29	0 3.59	−28 55.5	0.922	1.869	15.3	18.3
9 8	0 1.14	−34 55.4	0.940	1.873	16.5	18.4
9 18	23 56.77	−39 51.4	0.985	1.880	19.3	18.6
9 28	23 51.89	−43 25.7	1.050	1.890	22.4	18.9
10 8	23 48.08	−45 38.0	1.130	1.902	25.0	19.1
10 18	23 46.57	−46 37.8	1.223	1.916	27.0	19.4
10 28	23 48.10	−46 38.5	1.322	1.932	28.4	19.6

179862 2002 TE_{272} 9 21.5 18°.36 3°.2/23.9 18

8 19	0 17.81	+ 8 21.9	1.248	2.114	18.5	19.6
8 29	0 13.57	+ 8 21.1	1.188	2.117	14.3	19.3
9 8	0 6.76	+ 7 57.5	1.147	2.121	9.5	19.1
9 18	23 58.22	+ 7 13.8	1.128	2.125	4.7	18.8
9 28	23 49.25	+ 6 16.4	1.134	2.130	4.0	18.8
10 8	23 41.27	+ 5 14.7	1.164	2.136	8.5	19.1
10 18	23 35.42	+ 4 18.0	1.217	2.142	13.2	19.3
10 28	23 32.44	+ 3 34.0	1.291	2.148	17.3	19.6

215158 2000 AE_{59} 9 21.5 346°.53 7°.6/26.3 18

8 19	0 15.02	+13 35.6	1.336	2.181	18.7	17.8
8 29	0 11.77	+14 53.0	1.253	2.160	15.5	17.5
9 8	0 5.91	+15 50.5	1.190	2.141	11.9	17.3
9 18	23 58.07	+16 24.5	1.148	2.124	8.7	17.0
9 28	23 49.39	+16 34.1	1.128	2.109	7.6	16.9
10 8	23 41.30	+16 22.8	1.131	2.095	9.8	17.0
10 18	23 35.13	+15 57.6	1.156	2.084	13.5	17.2
10 28	23 31.88	+15 27.8	1.202	2.075	17.3	17.4

445190 2009 CW_3 9 21.5 156.°70 3.°8/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 21.07	+12 7.6	2.237	3.045	13.4	21.7
8 29	0 15.01	+12 25.2	2.159	3.050	10.6	21.6
9 8	0 7.23	+12 27.3	2.105	3.055	7.6	21.4
9 18	23 58.31	+12 14.5	2.077	3.060	4.8	21.2
9 28	23 49.08	+11 48.9	2.077	3.064	4.0	21.2
10 8	23 40.42	+11 14.9	2.106	3.067	6.1	21.3
10 18	23 33.10	+10 37.6	2.162	3.071	9.1	21.5
10 28	23 27.73	+10 2.4	2.244	3.074	11.9	21.7

474298 2001 XN_{122} 9 21.5 334.°68 2.°1/19.9 18

8 19	0 15.58	− 2 39.3	1.207	2.109	16.6	20.5
8 29	0 12.13	− 3 14.5	1.139	2.094	12.2	20.2
9 8	0 6.04	− 4 2.4	1.090	2.080	7.1	19.9
9 18	23 58.08	− 4 56.1	1.064	2.067	2.4	19.6
9 28	23 49.50	− 5 46.4	1.062	2.055	5.2	19.7
10 8	23 41.77	− 6 24.2	1.083	2.044	10.5	20.0
10 18	23 36.12	− 6 43.2	1.126	2.035	15.5	20.3
10 28	23 33.41	− 6 40.0	1.187	2.026	19.8	20.5

242546 2005 EX_{12} 9 21.5 127.°52 2.°0/19.4 18

8 19	0 18.30	− 3 53.3	2.027	2.902	12.1	21.2
8 29	0 12.98	− 4 41.0	1.969	2.911	8.7	21.0
9 8	0 6.00	− 5 35.1	1.935	2.920	5.0	20.8
9 18	23 57.98	− 6 30.3	1.928	2.929	2.1	20.6
9 28	23 49.78	− 7 20.6	1.949	2.937	4.0	20.8
10 8	23 42.26	− 8 0.8	1.998	2.945	7.6	21.0
10 18	23 36.14	− 8 27.2	2.074	2.953	10.9	21.2
10 28	23 31.97	− 8 38.0	2.172	2.960	13.7	21.4

223377 2003 SB_{57} 9 21.5 16.°83 1.°3/22.7 18

8 19	0 17.64	+ 4 1.3	2.082	2.934	12.7	19.6
8 29	0 12.55	+ 4 2.2	2.010	2.936	9.5	19.4
9 8	0 5.79	+ 3 52.0	1.962	2.938	5.9	19.2
9 18	23 57.95	+ 3 33.2	1.940	2.941	2.3	18.9
9 28	23 49.82	+ 3 9.2	1.947	2.944	2.5	19.0
10 8	23 42.29	+ 2 44.5	1.981	2.946	6.1	19.2
10 18	23 36.09	+ 2 23.6	2.042	2.950	9.6	19.4
10 28	23 31.79	+ 2 10.1	2.127	2.953	12.6	19.6

200507 2001 BQ_4 9 21.5 202.°71 6.°3/14.4 18

8 19	0 19.40	−17 21.8	2.076	2.960	11.4	20.2
8 29	0 13.90	−18 38.3	2.019	2.956	8.8	20.1
9 8	0 6.60	−19 51.0	1.987	2.953	6.8	20.0
9 18	23 58.17	−20 52.6	1.982	2.949	6.5	19.9
9 28	23 49.48	−21 36.3	2.004	2.944	8.2	20.0
10 8	23 41.46	−21 58.3	2.052	2.940	10.7	20.2
10 18	23 34.89	−21 57.2	2.123	2.934	13.3	20.3
10 28	23 30.36	−21 34.4	2.213	2.929	15.6	20.5

22222 Hodios 9 21.5 288.°28 0.°5/20.6 18

8 19	0 9.68	− 1 30.4	4.162	5.021	6.7	19.5
8 29	0 6.08	− 1 54.9	4.083	5.017	4.9	19.4
9 8	0 1.71	− 2 23.4	4.031	5.014	2.8	19.2
9 18	23 56.86	− 2 53.8	4.008	5.011	0.7	19.0
9 28	23 51.89	− 3 23.8	4.014	5.008	1.7	19.1
10 8	23 47.16	− 3 51.1	4.051	5.004	3.8	19.3
10 18	23 43.01	− 4 13.6	4.116	5.001	5.8	19.4
10 28	23 39.74	− 4 29.6	4.207	4.998	7.5	19.6

204113 2003 WF_{154} 9 21.5 52.°42 0.°7/22.1 18

8 19	0 17.80	+ 3 31.1	1.686	2.552	14.6	20.1
8 29	0 12.96	+ 3 7.5	1.623	2.557	10.8	19.9
9 8	0 6.15	+ 2 29.8	1.582	2.563	6.6	19.6
9 18	23 58.06	+ 1 42.1	1.567	2.569	2.1	19.4
9 28	23 49.69	+ 0 50.4	1.578	2.575	2.8	19.4
10 8	23 42.08	+ 0 1.5	1.616	2.581	7.3	19.7
10 18	23 36.11	− 0 38.7	1.680	2.588	11.3	20.0
10 28	23 32.38	− 1 5.8	1.766	2.594	14.7	20.2

125183 2001 UA_{117} 9 21.5 126.°00 2.°9/19.1 18

8 19	0 22.66	− 4 31.1	1.451	2.336	15.4	19.8
8 29	0 16.70	− 5 28.5	1.400	2.347	11.1	19.6
9 8	0 8.40	− 6 34.0	1.371	2.357	6.5	19.3
9 18	23 58.65	− 7 39.8	1.367	2.367	3.0	19.2
9 28	23 48.67	− 8 37.1	1.390	2.377	5.4	19.3
10 8	23 39.74	− 9 18.8	1.439	2.386	9.8	19.6
10 18	23 32.84	− 9 40.7	1.512	2.395	13.9	19.9
10 28	23 28.61	− 9 41.8	1.605	2.403	17.3	20.1

264831 2002 QY_{11} 9 21.5 351.°40 4.°6/24.7 18

8 19	0 18.31	+ 9 50.2	1.205	2.068	19.3	20.1
8 29	0 14.18	+10 16.1	1.139	2.064	15.2	19.8
9 8	0 7.28	+10 18.8	1.091	2.060	10.6	19.5
9 18	23 58.43	+ 9 58.5	1.064	2.057	6.1	19.3
9 28	23 48.97	+ 9 19.4	1.061	2.055	5.0	19.2
10 8	23 40.44	+ 8 29.9	1.082	2.053	8.9	19.4
10 18	23 34.10	+ 7 39.5	1.125	2.053	13.7	19.7
10 28	23 30.85	+ 6 57.3	1.187	2.053	18.0	20.0

30302 Kritilall 9 21.5 122.°84 1.°9/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 20.25	+ 6 6.4	1.627	2.482	15.5	19.3
8 29	0 14.88	+ 5 56.8	1.560	2.486	11.8	19.1
9 8	0 7.35	+ 5 30.8	1.515	2.489	7.5	18.8
9 18	23 58.40	+ 4 51.2	1.494	2.493	3.1	18.6
9 28	23 49.09	+ 4 3.4	1.500	2.497	3.1	18.6
10 8	23 40.58	+ 3 14.4	1.533	2.500	7.4	18.9
10 18	23 33.82	+ 2 30.8	1.592	2.504	11.5	19.1
10 28	23 29.49	+ 1 58.2	1.672	2.507	15.1	19.4

256631 2007 VX_{236} 9 21.5 112.°06 2.°2/19.7 17

8 19	0 23.03	− 3 14.3	1.495	2.375	15.3	21.3
8 29	0 16.86	− 4 1.2	1.445	2.390	11.0	21.1
9 8	0 8.44	− 4 56.7	1.418	2.404	6.4	20.9
9 18	23 58.65	− 5 54.1	1.416	2.418	2.4	20.6
9 28	23 48.70	− 6 45.3	1.442	2.432	4.7	20.8
10 8	23 39.79	− 7 23.6	1.494	2.445	9.2	21.1
10 18	23 32.88	− 7 45.0	1.570	2.458	13.2	21.4
10 28	23 28.57	− 7 47.7	1.668	2.471	16.6	21.7

305859 2009 EG_{18} 9 21.5 90.°05 0.°9/22.5 18

8 19	0 16.74	+ 4 47.8	1.905	2.761	13.5	21.6
8 29	0 12.02	+ 4 17.8	1.838	2.766	10.1	21.4
9 8	0 5.53	+ 3 33.9	1.793	2.771	6.2	21.2
9 18	23 57.90	+ 2 39.5	1.774	2.776	2.1	20.9
9 28	23 50.02	+ 1 40.5	1.784	2.781	2.6	21.0
10 8	23 42.78	+ 0 43.2	1.821	2.786	6.6	21.2
10 18	23 36.98	− 0 6.5	1.884	2.791	10.3	21.5
10 28	23 33.19	− 0 44.0	1.970	2.795	13.5	21.7

260598 2005 GO_1 9 21.5 155.°54 4.°0/18.2 18

8 19	0 23.87	− 8 55.0	1.652	2.535	13.9	20.5
8 29	0 17.41	− 9 43.7	1.596	2.541	10.2	20.3
9 8	0 8.77	−10 35.2	1.563	2.547	6.3	20.1
9 18	23 58.75	−11 22.2	1.557	2.552	4.0	20.0
9 28	23 48.50	−11 57.6	1.578	2.556	6.1	20.1
10 8	23 39.18	−12 16.3	1.625	2.560	9.9	20.3
10 18	23 31.72	−12 15.9	1.697	2.564	13.5	20.6
10 28	23 26.78	−11 56.5	1.789	2.567	16.6	20.8

260236 2004 RN_{290} 9 21.5 344.°35 4.°6/16.9 17

8 19	0 9.12	− 6 45.6	1.362	2.274	14.4	19.8
8 29	0 7.12	− 8 14.2	1.294	2.255	10.5	19.5
9 8	0 2.96	− 9 53.1	1.248	2.238	6.5	19.2
9 18	23 57.28	−11 32.2	1.226	2.222	4.6	19.1
9 28	23 51.13	−13 0.0	1.228	2.207	7.4	19.2
10 8	23 45.66	−14 6.5	1.254	2.195	11.6	19.4
10 18	23 41.89	−14 45.6	1.301	2.184	15.8	19.6
10 28	23 40.55	−14 55.3	1.367	2.175	19.3	19.8

86567 2000 EB_{32} 9 21.5 82.°77 2.°5/19.6 17

8 19	0 21.90	− 2 21.1	1.227	2.117	17.2	19.8
8 29	0 16.34	− 3 24.3	1.185	2.135	12.4	19.6
9 8	0 8.24	− 4 38.9	1.164	2.152	7.1	19.3
9 18	23 58.62	− 5 55.9	1.168	2.170	2.6	19.1
9 28	23 48.86	− 7 4.9	1.197	2.187	5.3	19.3
10 8	23 40.36	− 7 57.1	1.250	2.204	10.3	19.7
10 18	23 34.14	− 8 27.7	1.327	2.221	14.7	20.0
10 28	23 30.81	− 8 35.4	1.422	2.238	18.3	20.3

51170 2000 HJ_{66} 9 21.5 175.°37 6.°0/15.6 18

8 19	0 21.57	−17 43.2	2.124	3.003	11.4	19.1
8 29	0 15.38	−18 31.5	2.069	3.004	8.8	19.0
9 8	0 7.43	−19 14.7	2.038	3.005	6.6	18.8
9 18	23 58.41	−19 46.7	2.035	3.005	6.0	18.8
9 28	23 49.20	−20 2.2	2.059	3.006	7.5	18.9
10 8	23 40.73	−19 58.3	2.109	3.006	10.0	19.1
10 18	23 33.76	−19 34.8	2.184	3.006	12.6	19.2
10 28	23 28.85	−18 53.0	2.279	3.005	14.9	19.4

324162 2005 YV_{210} 9 21.5 192.°10 5.°4/13.5 18

8 19	0 17.18	−21 1.0	3.046	3.916	8.6	21.5
8 29	0 11.79	−21 58.4	2.990	3.914	6.8	21.4
9 8	0 5.18	−22 50.5	2.961	3.912	5.6	21.3
9 18	23 57.81	−23 32.7	2.959	3.909	5.5	21.3
9 28	23 50.27	−24 1.0	2.986	3.906	6.7	21.3
10 8	23 43.20	−24 13.0	3.039	3.902	8.4	21.5
10 18	23 37.13	−24 8.0	3.118	3.898	10.2	21.6
10 28	23 32.49	−23 46.8	3.217	3.893	11.8	21.7

154094 2002 CS_{299} 9 21.5 147.°02 1.°4/19.8 18

8 19	0 16.82	− 3 40.9	2.469	3.337	10.4	20.7
8 29	0 11.70	− 4 14.1	2.403	3.342	7.5	20.6
9 8	0 5.19	− 4 52.6	2.362	3.347	4.3	20.4
9 18	23 57.82	− 5 32.4	2.350	3.351	1.6	20.2
9 28	23 50.26	− 6 9.1	2.366	3.356	3.2	20.3
10 8	23 43.23	− 6 38.7	2.411	3.360	6.3	20.5
10 18	23 37.32	− 6 58.3	2.484	3.363	9.3	20.7
10 28	23 33.03	− 7 5.9	2.580	3.367	11.8	20.9

31393 1998 YG_8 9 21.5 2.°79 1.°2/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.34	+ 5 30.0	1.279	2.153	17.7	18.0
8 29	0 13.97	+ 4 53.6	1.215	2.153	13.3	17.8
9 8	0 7.04	+ 3 55.7	1.172	2.153	8.3	17.5
9 18	23 58.37	+ 2 41.3	1.151	2.153	2.8	17.2
9 28	23 49.25	+ 1 19.4	1.155	2.153	3.4	17.2
10 8	23 41.06	+ 0 0.8	1.185	2.153	8.8	17.5
10 18	23 34.95	− 1 5.2	1.238	2.154	13.8	17.8
10 28	23 31.69	− 1 51.9	1.311	2.154	18.0	18.1

507101 2009 HO_{60} 9 21.5 129.°28 3.°5/18.8 17

8 19	0 23.67	− 6 52.2	1.510	2.394	14.9	21.5
8 29	0 17.38	− 7 40.7	1.458	2.404	10.8	21.3
9 8	0 8.80	− 8 34.2	1.428	2.414	6.5	21.1
9 18	23 58.79	− 9 25.3	1.424	2.423	3.5	20.9
9 28	23 48.56	−10 6.2	1.447	2.431	5.8	21.1
10 8	23 39.36	−10 31.0	1.497	2.439	9.9	21.4
10 18	23 32.17	−10 36.7	1.570	2.447	13.8	21.6
10 28	23 27.62	−10 22.9	1.663	2.454	17.1	21.9

521886 2015 TX_{381} 9 21.5 279.°83 2.°9/18.1 18

8 19	0 15.07	− 7 20.1	2.271	3.153	10.7	21.2
8 29	0 10.60	− 8 13.7	2.203	3.149	7.7	21.1
9 8	0 4.63	− 9 11.3	2.161	3.145	4.7	20.9
9 18	23 57.69	−10 7.5	2.145	3.142	2.9	20.7
9 28	23 50.52	−10 56.7	2.158	3.138	4.6	20.9
10 8	23 43.86	−11 34.3	2.199	3.134	7.7	21.0
10 18	23 38.37	−11 57.0	2.265	3.130	10.6	21.2
10 28	23 34.59	−12 3.5	2.354	3.127	13.2	21.4

14176 1998 VB_{28} 9 21.5 357.°17 1.°2/22.6 18

8 19	0 15.93	+ 3 58.7	1.849	2.711	13.6	17.9
8 29	0 11.54	+ 3 52.7	1.777	2.708	10.2	17.7
9 8	0 5.32	+ 3 34.1	1.728	2.707	6.4	17.4
9 18	23 57.90	+ 3 5.6	1.704	2.705	2.3	17.2
9 28	23 50.15	+ 2 31.7	1.708	2.705	2.6	17.2
10 8	23 43.02	+ 1 57.9	1.738	2.705	6.7	17.5
10 18	23 37.32	+ 1 29.2	1.794	2.705	10.5	17.7
10 28	23 33.68	+ 1 10.2	1.872	2.706	13.8	17.9

202442 2005 YM_{45} 9 21.5 106.°76 3.°1/24.6 18

8 19	0 19.91	+10 37.6	1.867	2.695	14.9	19.9
8 29	0 14.32	+10 25.6	1.805	2.712	11.6	19.8
9 8	0 6.88	+ 9 55.4	1.766	2.728	7.8	19.6
9 18	23 58.29	+ 9 9.2	1.752	2.743	4.3	19.4
9 28	23 49.49	+ 8 11.9	1.765	2.758	3.4	19.4
10 8	23 41.46	+ 7 10.0	1.807	2.773	6.5	19.6
10 18	23 35.00	+ 6 10.4	1.875	2.788	10.0	19.8
10 28	23 30.70	+ 5 19.2	1.967	2.802	13.2	20.1

65451 2002 VL_{58} 9 21.5 328.°87 2.°8/18.8 18

8 19	0 15.56	− 4 47.1	1.673	2.563	13.4	19.0
8 29	0 11.45	− 5 43.5	1.606	2.555	9.7	18.8
9 8	0 5.35	− 6 48.1	1.561	2.548	5.7	18.6
9 18	23 57.92	− 7 54.2	1.541	2.541	2.8	18.4
9 28	23 50.13	− 8 53.9	1.548	2.535	5.1	18.5
10 8	23 43.01	− 9 40.2	1.582	2.529	9.1	18.7
10 18	23 37.45	−10 8.4	1.639	2.523	13.0	18.9
10 28	23 34.12	−10 16.5	1.717	2.518	16.3	19.2

449225 2013 CE_{109} 9 21.5 44.°43 7.°3/13.8 18

8 19	0 15.92	−17 3.9	1.684	2.582	12.8	20.0
8 29	0 11.51	−18 42.9	1.654	2.599	9.9	19.9
9 8	0 5.23	−20 15.9	1.647	2.615	7.7	19.8
9 18	23 57.84	−21 33.7	1.666	2.633	7.5	19.9
9 28	23 50.36	−22 28.7	1.710	2.650	9.3	20.0
10 8	23 43.77	−22 57.0	1.779	2.668	12.0	20.2
10 18	23 38.83	−22 58.3	1.868	2.687	14.6	20.4
10 28	23 36.07	−22 34.9	1.977	2.705	16.8	20.6

389513 2010 GO_{121} 9 21.5 103.°17 0.°1/21.5 15

8 19	0 16.31	+ 3 33.7	1.959	2.819	13.1	21.7
8 29	0 11.60	+ 2 32.5	1.900	2.833	9.6	21.5
9 8	0 5.23	+ 1 17.9	1.865	2.847	5.7	21.3
9 18	23 57.86	− 0 4.9	1.857	2.860	1.5	21.0
9 28	23 50.31	− 1 28.6	1.878	2.874	2.7	21.1
10 8	23 43.44	− 2 46.2	1.927	2.887	6.7	21.4
10 18	23 37.96	− 3 51.7	2.002	2.899	10.3	21.7
10 28	23 34.41	− 4 41.1	2.101	2.912	13.3	21.9

443488 2014 JY_{21} 9 21.5 174.°27 3.°2/17.5 18

8 19	0 18.11	− 9 27.6	2.509	3.384	10.0	22.1
8 29	0 12.65	−10 22.3	2.445	3.387	7.3	21.9
9 8	0 5.77	−11 18.7	2.408	3.389	4.6	21.8
9 18	23 58.00	−12 11.9	2.399	3.391	3.2	21.7
9 28	23 50.04	−12 56.8	2.420	3.392	4.8	21.8
10 8	23 42.61	−13 29.3	2.469	3.393	7.5	22.0
10 18	23 36.33	−13 47.2	2.544	3.393	10.2	22.1
10 28	23 31.70	−13 49.5	2.642	3.393	12.5	22.3

265044 2003 QE_{35} 9 21.5 357.°10 2.°8/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 16.39	+ 5 25.9	1.439	2.309	16.3	19.1
8 29	0 12.37	+ 5 59.2	1.370	2.302	12.5	18.8
9 8	0 6.05	+ 6 17.9	1.322	2.297	8.2	18.6
9 18	23 58.14	+ 6 22.7	1.296	2.294	4.0	18.3
9 28	23 49.75	+ 6 17.0	1.296	2.292	3.6	18.3
10 8	23 42.13	+ 6 5.8	1.321	2.292	7.8	18.6
10 18	23 36.32	+ 5 55.0	1.370	2.293	12.1	18.8
10 28	23 33.08	+ 5 49.9	1.439	2.296	15.9	19.1

199461 2006 DP_{52} 9 21.5 172.°07 5.°9/28.5 18

8 19	0 16.91	+20 30.6	1.993	2.770	15.9	20.2
8 29	0 12.26	+20 15.3	1.912	2.772	13.2	20.0
9 8	0 5.76	+19 34.5	1.850	2.774	10.2	19.8
9 18	23 58.04	+18 28.7	1.812	2.775	7.4	19.6
9 28	23 49.97	+17 1.2	1.801	2.776	5.9	19.6
10 8	23 42.52	+15 19.3	1.817	2.777	7.1	19.6
10 18	23 36.51	+13 32.0	1.860	2.777	9.9	19.8
10 28	23 32.59	+11 48.5	1.929	2.777	12.8	20.0

257416 2009 UV_{147} 9 21.5 260.°29 4.°0/13.3 16

8 19	0 12.10	−22 23.0	4.466	5.334	6.1	20.4
8 29	0 7.81	−22 54.9	4.409	5.329	4.9	20.3
9 8	0 2.74	−23 22.4	4.379	5.325	4.1	20.2
9 18	23 57.19	−23 42.7	4.376	5.321	4.1	20.2
9 28	23 51.55	−23 53.8	4.402	5.317	4.9	20.3
10 8	23 46.20	−23 54.2	4.456	5.312	6.1	20.3
10 18	23 41.48	−23 43.3	4.534	5.308	7.3	20.4
10 28	23 37.70	−23 21.4	4.635	5.304	8.5	20.5

407143 2009 TJ_{11} 9 21.5 69.°93 3.°8/26.1 18

8 19	0 15.20	+13 54.5	2.293	3.101	13.1	20.5
8 29	0 10.75	+13 48.3	2.214	3.103	10.5	20.4
9 8	0 4.76	+13 24.7	2.156	3.104	7.6	20.2
9 18	23 57.77	+12 45.0	2.125	3.106	4.8	20.0
9 28	23 50.49	+11 52.3	2.120	3.107	3.9	20.0
10 8	23 43.71	+10 51.7	2.144	3.109	5.8	20.1
10 18	23 38.12	+ 9 49.2	2.195	3.110	8.7	20.3
10 28	23 34.26	+ 8 50.7	2.271	3.112	11.4	20.4

436613 2011 KK_{33} 9 21.5 79.°77 1.°2/20.3 16

8 19	0 17.45	+ 0 25.3	1.643	2.519	14.3	21.2
8 29	0 12.64	− 0 42.8	1.594	2.536	10.4	21.0
9 8	0 5.93	− 2 3.1	1.568	2.554	5.9	20.8
9 18	23 58.06	− 3 28.5	1.568	2.571	1.6	20.5
9 28	23 50.04	− 4 50.6	1.595	2.588	3.8	20.7
10 8	23 42.88	− 6 1.3	1.650	2.605	8.1	21.0
10 18	23 37.39	− 6 55.3	1.729	2.622	11.9	21.3
10 28	23 34.10	− 7 29.5	1.830	2.638	15.1	21.6

295849 2008 VS_{54} 9 21.5 207.°12 1.°9/23.4 18

8 19	0 18.54	+ 7 9.3	1.914	2.758	14.0	20.9
8 29	0 13.45	+ 6 51.5	1.836	2.755	10.7	20.7
9 8	0 6.48	+ 6 18.0	1.781	2.752	6.9	20.5
9 18	23 58.24	+ 5 31.3	1.751	2.749	3.1	20.2
9 28	23 49.64	+ 4 36.2	1.749	2.746	2.8	20.2
10 8	23 41.63	+ 3 39.3	1.776	2.742	6.6	20.4
10 18	23 35.08	+ 2 46.6	1.828	2.738	10.4	20.7
10 28	23 30.63	+ 2 3.9	1.904	2.734	13.8	20.9

361929 2008 GA_{135} 9 21.5 116.°64 6.°7/13.7 18

8 19	0 18.53	−20 41.0	2.259	3.139	10.8	20.8
8 29	0 13.09	−21 46.6	2.216	3.146	8.5	20.7
9 8	0 6.06	−22 45.4	2.197	3.152	7.0	20.6
9 18	23 58.09	−23 30.8	2.204	3.159	6.8	20.6
9 28	23 49.98	−23 57.9	2.239	3.165	8.2	20.7
10 8	23 42.57	−24 3.9	2.298	3.171	10.3	20.9
10 18	23 36.52	−23 48.7	2.381	3.177	12.5	21.0
10 28	23 32.35	−23 14.0	2.484	3.183	14.4	21.2

478624 2012 TP_{173} 9 21.5 99.°54 0.°3/21.8 17

8 19	0 21.93	+ 1 39.0	1.757	2.618	14.2	21.0
8 29	0 15.86	+ 1 26.7	1.699	2.632	10.5	20.8
9 8	0 7.82	+ 1 3.2	1.664	2.645	6.3	20.6
9 18	23 58.57	+ 0 32.3	1.656	2.658	1.8	20.3
9 28	23 49.11	− 0 0.9	1.675	2.672	2.9	20.5
10 8	23 40.51	− 0 30.8	1.722	2.684	7.2	20.8
10 18	23 33.60	− 0 52.8	1.795	2.697	11.0	21.0
10 28	23 28.98	− 1 3.4	1.891	2.709	14.3	21.3

407638 2011 DP_{41} 9 21.5 317.°17 1.°6/19.6 18

8 19	0 11.56	− 0 12.6	1.990	2.868	12.1	20.3
8 29	0 8.35	− 1 34.8	1.904	2.849	8.8	20.1
9 8	0 3.48	− 3 10.5	1.843	2.830	5.1	19.8
9 18	23 57.46	− 4 53.7	1.809	2.811	1.7	19.5
9 28	23 51.05	− 6 36.2	1.803	2.793	3.9	19.7
10 8	23 45.09	− 8 9.5	1.825	2.775	7.9	19.9
10 18	23 40.34	− 9 26.9	1.872	2.758	11.6	20.1
10 28	23 37.42	−10 24.1	1.942	2.740	14.7	20.3

301354 2009 CG_{28} 9 21.5 347°.88 1°.0/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 19.03	+ 3 25.7	1.796	2.656	14.0	21.1
8 29	0 13.87	+ 3 17.8	1.724	2.655	10.5	20.9
9 8	0 6.75	+ 2 57.3	1.676	2.654	6.5	20.6
9 18	23 58.32	+ 2 27.1	1.652	2.654	2.2	20.4
9 28	23 49.54	+ 1 52.0	1.656	2.653	2.7	20.4
10 8	23 41.43	+ 1 17.7	1.688	2.653	7.0	20.7
10 18	23 34.88	+ 0 49.5	1.745	2.653	11.0	20.9
10 28	23 30.54	+ 0 31.6	1.825	2.652	14.3	21.1

470546 2008 EY_{77} 9 21.5 149°.96 1°.1/20.5 17

8 19	0 22.50	− 1 29.7	1.838	2.704	13.5	22.2
8 29	0 16.25	− 2 3.1	1.776	2.713	9.8	22.0
9 8	0 8.06	− 2 45.4	1.737	2.721	5.7	21.7
9 18	23 58.65	− 3 31.7	1.726	2.729	1.6	21.5
9 28	23 48.99	− 4 15.8	1.743	2.736	3.5	21.6
10 8	23 40.13	− 4 52.1	1.788	2.742	7.7	21.9
10 18	23 32.90	− 5 16.4	1.859	2.748	11.4	22.1
10 28	23 27.92	− 5 26.2	1.952	2.753	14.6	22.4

353227 2010 AP_{119} 9 21.5 19°.07 2°.0/17.7 17

8 19	0 9.84	− 9 5.3	3.946	4.822	6.7	20.4
8 29	0 6.25	− 9 41.1	3.881	4.824	4.8	20.3
9 8	0 1.87	−10 17.8	3.844	4.826	3.0	20.1
9 18	23 56.99	−10 52.8	3.835	4.828	2.0	20.1
9 28	23 52.01	−11 23.4	3.855	4.831	3.1	20.2
10 8	23 47.30	−11 47.2	3.905	4.833	4.9	20.3
10 18	23 43.22	−12 2.6	3.982	4.835	6.7	20.4
10 28	23 40.09	−12 8.5	4.083	4.838	8.3	20.6

490448 2009 SJ_{184} 9 21.5 277°.27 1°.8/25.3 18

8 19	0 9.19	+10 58.9	4.323	5.129	7.5	21.6
8 29	0 5.77	+10 44.5	4.233	5.124	5.8	21.4
9 8	0 1.58	+10 21.6	4.167	5.120	4.1	21.3
9 18	23 56.92	+ 9 51.4	4.130	5.116	2.4	21.2
9 28	23 52.12	+ 9 15.7	4.121	5.112	1.9	21.1
10 8	23 47.55	+ 8 36.8	4.143	5.107	3.3	21.3
10 18	23 43.53	+ 7 57.5	4.194	5.103	5.1	21.4
10 28	23 40.36	+ 7 20.2	4.272	5.099	6.8	21.5

437302 2013 CK_{13} 9 21.5 237°.72 0°.5/20.5 15

8 19	0 9.01	− 1 47.8	4.823	5.680	5.9	22.2
8 29	0 5.54	− 2 12.0	4.740	5.673	4.3	22.0
9 8	0 1.42	− 2 39.5	4.683	5.666	2.5	21.9
9 18	23 56.88	− 3 8.7	4.655	5.658	0.7	21.7
9 28	23 52.22	− 3 37.5	4.658	5.650	1.5	21.8
10 8	23 47.76	− 4 3.9	4.691	5.643	3.4	21.9
10 18	23 43.78	− 4 26.1	4.753	5.635	5.1	22.1
10 28	23 40.56	− 4 42.6	4.841	5.627	6.7	22.2

217133 2002 FC_{40} 9 21.5 151°.84 2°.4/24.2 18

8 19	0 17.30	+ 8 35.4	2.317	3.147	12.3	20.4
8 29	0 12.24	+ 8 32.5	2.240	3.149	9.5	20.2
9 8	0 5.64	+ 8 16.3	2.186	3.151	6.4	20.0
9 18	23 58.02	+ 7 48.3	2.159	3.153	3.3	19.8
9 28	23 50.14	+ 7 11.9	2.161	3.155	2.8	19.8
10 8	23 42.77	+ 6 31.6	2.191	3.156	5.6	19.9
10 18	23 36.59	+ 5 52.2	2.248	3.158	8.7	20.2
10 28	23 32.16	+ 5 18.3	2.330	3.159	11.6	20.3

218260 2003 AU_{81} 9 21.5 159°.09 2°.6/22.5 18

8 19	0 37.48	+ 1 51.0	1.158	2.019	20.1	19.2
8 29	0 28.54	+ 3 0.0	1.093	2.022	15.3	19.0
9 8	0 15.96	+ 3 58.7	1.048	2.025	9.7	18.7
9 18	0 0.84	+ 4 46.1	1.028	2.028	4.0	18.4
9 28	23 45.03	+ 5 23.0	1.034	2.030	4.4	18.4
10 8	23 30.60	+ 5 52.4	1.067	2.032	10.1	18.7
10 18	23 19.19	+ 6 18.9	1.123	2.033	15.5	19.0
10 28	23 11.78	+ 6 47.5	1.200	2.034	19.9	19.3

52600 1997 SP_{10} 9 21.5 177°.30 0°.1/21.5 18

8 19	0 22.89	+ 0 44.8	2.040	2.894	12.8	18.9
8 29	0 16.47	+ 0 30.9	1.966	2.896	9.5	18.7
9 8	0 8.20	+ 0 7.7	1.918	2.898	5.6	18.5
9 18	23 58.72	− 0 21.6	1.896	2.899	1.5	18.2
9 28	23 48.93	− 0 52.3	1.904	2.899	2.7	18.3
10 8	23 39.80	− 1 19.8	1.940	2.899	6.8	18.6
10 18	23 32.15	− 1 39.8	2.004	2.898	10.5	18.8
10 28	23 26.60	− 1 49.2	2.091	2.897	13.6	19.0

441776 2009 DM_{41} 9 21.5 264°.06 4°.6/16.2 18

8 19	0 15.70	− 9 11.5	1.909	2.799	12.0	21.0
8 29	0 11.43	−10 46.5	1.837	2.786	8.8	20.7
9 8	0 5.33	−12 27.0	1.791	2.773	5.7	20.5
9 18	23 57.98	−14 4.8	1.771	2.760	4.6	20.4
9 28	23 50.23	−15 30.9	1.779	2.746	6.8	20.6
10 8	23 43.04	−16 38.2	1.814	2.733	10.1	20.7
10 18	23 37.23	−17 22.4	1.872	2.719	13.4	20.9
10 28	23 33.46	−17 42.2	1.951	2.705	16.2	21.1

179401 2001 YZ_{133} 9 21.5 33°.12 2°.4/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.40	+ 7 8.0	1.874	2.720	14.2	19.5
8 29	0 13.32	+ 7 14.6	1.806	2.725	10.9	19.3
9 8	0 6.38	+ 7 6.8	1.760	2.730	7.1	19.1
9 18	23 58.24	+ 6 46.2	1.740	2.736	3.5	18.9
9 28	23 49.80	+ 6 16.8	1.747	2.742	3.0	18.9
10 8	23 42.04	+ 5 43.6	1.781	2.749	6.5	19.1
10 18	23 35.77	+ 5 12.2	1.842	2.755	10.1	19.4
10 28	23 31.60	+ 4 47.5	1.925	2.762	13.3	19.6

453506 2009 UX_{55} 9 21.5 286°.54 2°.8/24.9 18

8 19	0 13.99	+11 15.6	2.347	3.170	12.4	21.4
8 29	0 9.90	+10 56.0	2.257	3.159	9.7	21.2
9 8	0 4.31	+10 20.3	2.189	3.148	6.7	21.0
9 18	23 57.70	+ 9 30.1	2.147	3.137	3.8	20.8
9 28	23 50.75	+ 8 29.1	2.133	3.126	3.0	20.7
10 8	23 44.22	+ 7 22.7	2.148	3.115	5.6	20.9
10 18	23 38.79	+ 6 16.7	2.190	3.104	8.7	21.1
10 28	23 35.02	+ 5 16.9	2.257	3.094	11.6	21.2

364521 2007 EQ_{168} 9 21.5 147°.64 3°.1/18.2 18

8 19	0 18.30	− 9 26.0	2.322	3.199	10.6	20.5
8 29	0 12.90	− 9 58.8	2.258	3.201	7.7	20.3
9 8	0 5.98	−10 33.0	2.220	3.202	4.8	20.2
9 18	23 58.12	−11 3.8	2.209	3.203	3.1	20.1
9 28	23 50.05	−11 26.8	2.227	3.205	4.7	20.2
10 8	23 42.57	−11 38.4	2.273	3.206	7.6	20.4
10 18	23 36.34	−11 36.7	2.345	3.207	10.4	20.5
10 28	23 31.86	−11 20.9	2.439	3.208	12.9	20.7

449384 2013 GJ_{105} 9 21.5 201°.20 3°.8/26.1 18

8 19	0 15.27	+14 12.3	2.259	3.067	13.3	20.7
8 29	0 10.85	+13 57.5	2.177	3.066	10.6	20.5
9 8	0 4.86	+13 24.4	2.117	3.065	7.7	20.3
9 18	23 57.84	+12 34.3	2.082	3.064	4.9	20.1
9 28	23 50.52	+11 30.8	2.075	3.062	3.8	20.1
10 8	23 43.70	+10 19.6	2.096	3.061	5.8	20.2
10 18	23 38.07	+ 9 7.0	2.144	3.060	8.8	20.4
10 28	23 34.21	+ 7 59.3	2.218	3.058	11.7	20.6

302681 2002 TJ_{32} 9 21.5 324°.16 4°.1/18.8 18

8 19	0 22.69	−10 25.6	1.553	2.442	14.3	20.0
8 29	0 16.94	−10 36.8	1.479	2.426	10.6	19.7
9 8	0 8.77	−10 48.2	1.428	2.411	6.7	19.5
9 18	23 58.92	−10 53.8	1.401	2.397	4.1	19.3
9 28	23 48.56	−10 47.9	1.401	2.383	6.2	19.4
10 8	23 38.99	−10 26.4	1.426	2.370	10.2	19.6
10 18	23 31.32	− 9 47.9	1.476	2.358	14.3	19.8
10 28	23 26.33	− 8 53.1	1.546	2.346	17.8	20.0

195095 2002 CG_{121} 9 21.5 184°.64 0°.9/22.5 18

8 19	0 19.05	+ 4 42.4	2.052	2.900	13.0	21.4
8 29	0 13.69	+ 4 14.2	1.976	2.900	9.7	21.2
9 8	0 6.57	+ 3 32.6	1.924	2.900	6.0	21.0
9 18	23 58.30	+ 2 41.1	1.898	2.899	2.1	20.7
9 28	23 49.71	+ 1 44.7	1.901	2.898	2.5	20.8
10 8	23 41.71	+ 0 49.5	1.933	2.896	6.4	21.0
10 18	23 35.09	+ 0 1.0	1.992	2.894	10.1	21.3
10 28	23 30.45	− 0 36.2	2.074	2.892	13.2	21.5

154208 2002 JS_{21} 9 21.5 26°.55 11°.6/ 9.0 18

8 19	0 22.94	−35 23.1	1.993	2.840	13.4	18.8
8 29	0 16.60	−36 31.6	1.967	2.845	12.1	18.8
9 8	0 8.22	−37 20.2	1.963	2.851	11.6	18.7
9 18	23 58.68	−37 41.8	1.981	2.856	11.9	18.8
9 28	23 49.13	−37 32.0	2.022	2.862	13.0	18.9
10 8	23 40.64	−36 50.9	2.084	2.868	14.5	19.0
10 18	23 34.06	−35 41.7	2.165	2.875	16.1	19.1
10 28	23 29.90	−34 9.5	2.262	2.882	17.5	19.3

6574 Gvishiani 9 21.5 111°.97 1°.3/23.1 18

8 19	0 18.48	+ 5 2.6	2.863	3.695	10.2	17.3
8 29	0 12.74	+ 5 4.6	2.796	3.710	7.7	17.1
9 8	0 5.77	+ 4 58.1	2.754	3.724	4.8	17.0
9 18	23 58.05	+ 4 44.5	2.740	3.738	2.1	16.8
9 28	23 50.19	+ 4 26.5	2.756	3.752	2.0	16.8
10 8	23 42.80	+ 4 7.2	2.803	3.765	4.7	17.0
10 18	23 36.43	+ 3 49.6	2.878	3.779	7.4	17.2
10 28	23 31.53	+ 3 36.6	2.979	3.792	9.7	17.4

42237 2001 EG_{21} 9 21.5 40°.29 1°.2/23.2 18

8 19	0 11.65	+ 6 37.8	2.740	3.581	10.3	17.9
8 29	0 7.89	+ 6 3.4	2.671	3.589	7.8	17.8
9 8	0 2.96	+ 5 17.9	2.625	3.598	4.9	17.6
9 18	23 57.32	+ 4 24.0	2.607	3.606	2.0	17.4
9 28	23 51.52	+ 3 25.7	2.618	3.615	1.9	17.4
10 8	23 46.13	+ 2 27.5	2.659	3.624	4.7	17.6
10 18	23 41.68	+ 1 33.8	2.727	3.634	7.5	17.8
10 28	23 38.57	+ 0 48.3	2.820	3.643	10.0	18.0

95344 2002 CX_{133} 9 21.5 54°.55 0°.8/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.84	+ 2 48.8	2.048	2.903	12.7	19.3
8 29	0 13.46	+ 2 46.6	1.982	2.910	9.5	19.1
9 8	0 6.39	+ 2 34.2	1.939	2.917	5.8	18.9
9 18	23 58.24	+ 2 14.0	1.923	2.924	1.9	18.7
9 28	23 49.85	+ 1 50.0	1.935	2.932	2.4	18.7
10 8	23 42.11	+ 1 26.8	1.975	2.939	6.2	19.0
10 18	23 35.75	+ 1 8.3	2.042	2.947	9.8	19.2
10 28	23 31.35	+ 0 58.1	2.132	2.954	12.8	19.4

357191 2002 EK_{155} 9 21.5 85°.85 1°.4/20.2 18

8 19	0 21.83	− 4 37.9	2.257	3.122	11.4	20.5
8 29	0 15.35	− 4 48.3	2.205	3.142	8.2	20.4
9 8	0 7.35	− 5 2.7	2.178	3.162	4.8	20.2
9 18	23 58.47	− 5 17.4	2.179	3.181	1.6	20.0
9 28	23 49.52	− 5 28.9	2.210	3.201	3.2	20.2
10 8	23 41.29	− 5 33.8	2.270	3.220	6.6	20.4
10 18	23 34.44	− 5 30.1	2.357	3.239	9.6	20.6
10 28	23 29.45	− 5 16.4	2.468	3.258	12.2	20.9

404516 2013 HV_{67} 9 21.5 162°.23 1°.0/22.7 18

8 19	0 16.84	+ 4 36.9	2.316	3.162	11.8	21.8
8 29	0 11.89	+ 4 18.7	2.241	3.164	8.8	21.7
9 8	0 5.43	+ 3 49.4	2.191	3.166	5.5	21.5
9 18	23 58.00	+ 3 11.5	2.167	3.168	2.0	21.2
9 28	23 50.32	+ 2 29.0	2.172	3.169	2.2	21.2
10 8	23 43.15	+ 1 46.9	2.206	3.170	5.7	21.5
10 18	23 37.17	+ 1 9.6	2.267	3.171	9.0	21.7
10 28	23 32.89	+ 0 40.9	2.353	3.172	11.8	21.9

481150 2005 UQ_{147} 9 21.5 238°.03 2°.6/18.9 18

8 19	0 18.51	− 7 14.2	2.245	3.121	11.0	21.6
8 29	0 13.15	− 7 45.4	2.174	3.116	8.0	21.4
9 8	0 6.20	− 8 19.8	2.127	3.111	4.8	21.2
9 18	23 58.20	− 8 52.9	2.108	3.107	2.6	21.1
9 28	23 49.95	− 9 19.8	2.118	3.102	4.3	21.2
10 8	23 42.24	− 9 36.7	2.156	3.097	7.5	21.4
10 18	23 35.80	− 9 40.8	2.220	3.091	10.6	21.6
10 28	23 31.18	− 9 31.1	2.307	3.086	13.3	21.7

479777 2014 ES_{34} 9 21.5 219°.54 3°.4/18.4 18

8 19	0 22.54	− 9 29.1	2.052	2.927	11.9	21.7
8 29	0 16.25	−10 0.0	1.980	2.921	8.7	21.5
9 8	0 8.10	−10 32.5	1.932	2.914	5.4	21.3
9 18	23 58.72	−11 1.4	1.912	2.907	3.4	21.2
9 28	23 49.02	−11 21.3	1.920	2.899	5.2	21.3
10 8	23 39.96	−11 28.3	1.957	2.891	8.5	21.4
10 18	23 32.39	−11 20.3	2.019	2.882	11.8	21.6
10 28	23 26.92	−10 56.8	2.103	2.874	14.7	21.8

186270 2001 YR_{137} 9 21.5 201°.48 5°.6/15.4 18

8 19	0 18.89	−16 42.8	2.201	3.083	10.9	20.3
8 29	0 13.44	−17 37.9	2.144	3.082	8.4	20.2
9 8	0 6.36	−18 29.2	2.112	3.081	6.2	20.0
9 18	23 58.24	−19 10.8	2.107	3.079	5.7	20.0
9 28	23 49.92	−19 37.1	2.129	3.078	7.2	20.1
10 8	23 42.25	−19 44.8	2.178	3.077	9.7	20.3
10 18	23 35.94	−19 33.0	2.251	3.075	12.2	20.4
10 28	23 31.53	−19 2.6	2.344	3.073	14.5	20.6

129697 1998 SO_{69} 9 21.5 29°.78 4°.0/25.4 18

8 19	0 14.55	+12 44.8	1.463	2.307	17.5	19.3
8 29	0 10.90	+12 21.5	1.403	2.316	13.8	19.0
9 8	0 5.11	+11 32.7	1.363	2.326	9.6	18.8
9 18	23 57.94	+10 21.5	1.346	2.336	5.5	18.6
9 28	23 50.48	+ 8 54.6	1.354	2.348	4.2	18.6
10 8	23 43.86	+ 7 22.0	1.388	2.359	7.4	18.8
10 18	23 39.01	+ 5 53.7	1.446	2.372	11.4	19.1
10 28	23 36.57	+ 4 38.1	1.527	2.385	15.1	19.3

23683 1997 HO_{1} 9 21.5 306°.32 0°.6/22.1 18 R

8 19	0 16.67	+ 3 26.5	1.599	2.469	15.0	18.8
8 29	0 12.51	+ 3 1.5	1.516	2.453	11.2	18.5
9 8	0 6.17	+ 2 20.8	1.456	2.437	6.9	18.3
9 18	23 58.26	+ 1 28.1	1.419	2.422	2.1	17.9
9 28	23 49.81	+ 0 29.5	1.409	2.406	3.0	18.0
10 8	23 41.95	− 0 26.9	1.425	2.391	7.9	18.2
10 18	23 35.71	− 1 14.3	1.466	2.376	12.4	18.5
10 28	23 31.88	− 1 46.8	1.528	2.362	16.3	18.7

268740 2006 KF_{110} 9 21.5 261°.83 3°.3/17.7 17

8 19	0 18.25	−10 41.4	2.574	3.449	9.8	20.6
8 29	0 12.87	−11 14.7	2.493	3.433	7.2	20.4
9 8	0 6.01	−11 48.8	2.437	3.417	4.6	20.2
9 18	23 58.17	−12 19.4	2.409	3.401	3.3	20.1
9 28	23 50.04	−12 42.0	2.411	3.384	4.8	20.2
10 8	23 42.34	−12 53.3	2.441	3.368	7.5	20.3
10 18	23 35.74	−12 51.2	2.497	3.351	10.2	20.5
10 28	23 30.76	−12 35.0	2.576	3.333	12.6	20.6

450731 2007 GR_{16} 9 21.5 135°.84 3°.9/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 14.43	+17 20.4	2.739	3.519	11.9	21.6
8 29	0 9.96	+16 55.7	2.660	3.528	9.7	21.5
9 8	0 4.22	+16 13.7	2.604	3.536	7.2	21.3
9 18	23 57.69	+15 15.8	2.574	3.545	4.9	21.2
9 28	23 50.96	+14 5.2	2.572	3.553	3.9	21.2
10 8	23 44.70	+12 46.8	2.599	3.561	5.1	21.3
10 18	23 39.45	+11 26.2	2.656	3.568	7.5	21.4
10 28	23 35.66	+10 9.1	2.738	3.575	9.8	21.6

264154 2009 VA_{107} 9 21.5 295°.55 3°.3/29.0 18

8 19	0 9.05	+19 59.5	4.468	5.214	8.1	19.9
8 29	0 5.69	+19 51.1	4.374	5.212	6.8	19.8
9 8	0 1.58	+19 31.6	4.302	5.209	5.3	19.7
9 18	23 56.98	+19 1.5	4.257	5.207	4.0	19.6
9 28	23 52.24	+18 22.0	4.240	5.204	3.3	19.5
10 8	23 47.73	+17 35.5	4.252	5.202	3.8	19.6
10 18	23 43.78	+16 44.7	4.293	5.199	5.0	19.7
10 28	23 40.69	+15 52.8	4.361	5.197	6.5	19.8

265300 2004 GB_{74} 9 21.5 171°.48 1°.5/20.1 17

8 19	0 20.56	− 1 55.1	1.915	2.784	12.9	22.0
8 29	0 14.86	− 2 42.5	1.848	2.787	9.4	21.8
9 8	0 7.29	− 3 39.0	1.806	2.790	5.4	21.6
9 18	23 58.52	− 4 39.1	1.790	2.793	1.7	21.3
9 28	23 49.47	− 5 36.3	1.803	2.794	3.8	21.5
10 8	23 41.12	− 6 24.5	1.844	2.795	7.7	21.7
10 18	23 34.27	− 6 59.0	1.911	2.796	11.4	21.9
10 28	23 29.55	− 7 17.4	2.001	2.796	14.5	22.2

80916 2000 DF_{65} 9 21.5 63°.61 3°.2/23.6 18

8 19	0 25.67	+ 6 16.3	1.490	2.340	16.9	18.7
8 29	0 19.13	+ 6 53.8	1.424	2.345	13.0	18.5
9 8	0 10.05	+ 7 16.2	1.380	2.350	8.6	18.2
9 18	23 59.29	+ 7 24.0	1.359	2.355	4.3	18.0
9 28	23 48.08	+ 7 19.8	1.366	2.360	3.9	18.0
10 8	23 37.81	+ 7 8.8	1.399	2.366	8.0	18.3
10 18	23 29.59	+ 6 56.7	1.457	2.371	12.3	18.5
10 28	23 24.20	+ 6 49.3	1.537	2.376	16.0	18.8

443055 2013 EP_{138} 9 21.5 269°.93 1°.2/22.7 18

8 19	0 18.15	+ 4 33.7	1.948	2.801	13.4	21.7
8 29	0 13.15	+ 4 22.0	1.872	2.798	10.1	21.4
9 8	0 6.32	+ 3 57.3	1.818	2.795	6.3	21.2
9 18	23 58.28	+ 3 22.4	1.791	2.792	2.4	21.0
9 28	23 49.89	+ 2 41.8	1.792	2.789	2.6	21.0
10 8	23 42.09	+ 2 1.1	1.820	2.786	6.5	21.2
10 18	23 35.69	+ 1 25.5	1.875	2.782	10.3	21.4
10 28	23 31.34	+ 0 59.7	1.953	2.779	13.6	21.7

261702 2005 YT_{251} 9 21.5 359°.65 1°.2/20.4 18

8 19	0 14.60	− 1 10.4	1.723	2.605	13.4	19.9
8 29	0 10.69	− 1 50.0	1.658	2.603	9.8	19.7
9 8	0 4.90	− 2 39.8	1.616	2.602	5.7	19.5
9 18	23 57.90	− 3 34.6	1.599	2.602	1.6	19.2
9 28	23 50.60	− 4 27.7	1.609	2.602	3.6	19.4
10 8	23 43.97	− 5 12.5	1.645	2.603	7.9	19.6
10 18	23 38.83	− 5 44.0	1.706	2.604	11.7	19.9
10 28	23 35.79	− 5 59.3	1.788	2.607	15.0	20.1

63021 2000 WK_{46} 9 21.5 5°.08 3°.1/24.8 18

8 19	0 13.67	+10 56.5	1.761	2.603	15.1	18.9
8 29	0 10.02	+10 33.1	1.689	2.603	11.8	18.7
9 8	0 4.53	+ 9 49.3	1.638	2.603	8.0	18.5
9 18	23 57.81	+ 8 47.6	1.612	2.605	4.3	18.3
9 28	23 50.76	+ 7 33.4	1.612	2.606	3.4	18.2
10 8	23 44.35	+ 6 14.6	1.638	2.609	6.6	18.5
10 18	23 39.40	+ 4 59.1	1.691	2.611	10.4	18.7
10 28	23 36.53	+ 3 54.0	1.766	2.615	13.8	18.9

211768 2004 BR_{53} 9 21.5 47°.26 3°.9/25.2 18

8 19	0 19.05	+11 15.0	1.811	2.640	15.2	20.1
8 29	0 13.93	+11 28.1	1.740	2.644	12.0	19.9
9 8	0 6.84	+11 23.2	1.690	2.648	8.4	19.7
9 18	23 58.43	+11 0.8	1.665	2.653	5.1	19.5
9 28	23 49.66	+10 24.5	1.667	2.657	4.1	19.5
10 8	23 41.57	+ 9 40.0	1.695	2.662	6.9	19.7
10 18	23 35.05	+ 8 53.8	1.750	2.666	10.4	19.9
10 28	23 30.76	+ 8 12.3	1.827	2.671	13.6	20.1

217249 2003 SQ_{305} 9 21.5 258°.62 3°.2/25.5 18

8 19	0 14.67	+12 27.6	2.396	3.211	12.4	20.2
8 29	0 10.36	+12 13.8	2.311	3.207	9.8	20.0
9 8	0 4.57	+11 43.8	2.249	3.203	6.9	19.8
9 18	23 57.81	+10 59.2	2.213	3.199	4.2	19.6
9 28	23 50.75	+10 3.2	2.205	3.195	3.3	19.6
10 8	23 44.14	+ 9 0.9	2.225	3.191	5.5	19.7
10 18	23 38.64	+ 7 58.0	2.273	3.187	8.4	19.9
10 28	23 34.78	+ 7 0.1	2.346	3.183	11.2	20.1

219972 2002 JL_{119} 9 21.5 228°.34 2°.3/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 14.40	+10 9.7	2.288	3.117	12.5	20.3
8 29	0 10.19	+ 9 40.5	2.208	3.115	9.7	20.1
9 8	0 4.48	+ 8 55.3	2.150	3.114	6.5	19.9
9 18	23 57.78	+ 7 56.5	2.119	3.112	3.4	19.7
9 28	23 50.82	+ 6 48.5	2.116	3.111	2.7	19.7
10 8	23 44.33	+ 5 37.2	2.142	3.109	5.6	19.9
10 18	23 39.00	+ 4 28.6	2.195	3.108	8.8	20.1
10 28	23 35.35	+ 3 28.1	2.273	3.106	11.7	20.3

520556 2014 MQ_{77} 9 21.5 345°.13 2°.9/24.5 17

8 19	0 16.68	+ 9 20.9	2.107	2.939	13.3	21.2
8 29	0 11.99	+ 9 23.1	2.028	2.937	10.3	21.0
9 8	0 5.61	+ 9 10.4	1.972	2.935	7.0	20.8
9 18	23 58.10	+ 8 44.2	1.942	2.934	3.8	20.6
9 28	23 50.27	+ 8 7.7	1.939	2.932	3.2	20.6
10 8	23 42.96	+ 7 26.1	1.964	2.931	6.0	20.8
10 18	23 36.94	+ 6 44.5	2.016	2.930	9.4	21.0
10 28	23 32.81	+ 6 8.3	2.092	2.929	12.4	21.2

431174 2006 RX_{92} 9 21.5 263°.64 0°.7/22.1 15

8 19	0 18.80	+ 4 2.2	1.501	2.369	15.9	21.5
8 29	0 14.15	+ 3 29.2	1.426	2.362	11.9	21.3
9 8	0 7.16	+ 2 38.7	1.373	2.354	7.3	21.0
9 18	23 58.56	+ 1 35.0	1.344	2.346	2.3	20.6
9 28	23 49.44	+ 0 25.4	1.341	2.338	3.2	20.7
10 8	23 41.04	− 0 41.2	1.364	2.330	8.2	21.0
10 18	23 34.45	− 1 37.0	1.412	2.322	12.9	21.2
10 28	23 30.43	− 2 16.1	1.481	2.314	16.8	21.5

436403 2010 WS_{66} 9 21.5 349°.93 1°.9/25.3 18

8 19	0 9.45	+10 59.2	4.244	5.050	7.6	21.0
8 29	0 5.99	+10 47.7	4.158	5.049	5.9	20.9
9 8	0 1.77	+10 27.6	4.096	5.049	4.1	20.8
9 18	23 57.05	+10 0.2	4.062	5.048	2.5	20.6
9 28	23 52.21	+ 9 27.2	4.058	5.048	2.0	20.6
10 8	23 47.60	+ 8 51.1	4.083	5.047	3.3	20.7
10 18	23 43.55	+ 8 14.2	4.137	5.047	5.1	20.8
10 28	23 40.39	+ 7 39.5	4.218	5.046	6.8	21.0

389059 2008 VD_{72} 9 21.6 13°.85 2°.6/23.8 18

8 19	0 18.52	+ 7 32.2	1.581	2.435	15.9	20.7
8 29	0 13.77	+ 7 31.0	1.513	2.436	12.2	20.5
9 8	0 6.84	+ 7 12.0	1.465	2.437	8.0	20.2
9 18	23 58.46	+ 6 37.4	1.442	2.439	3.9	20.0
9 28	23 49.68	+ 5 52.2	1.445	2.441	3.3	20.0
10 8	23 41.67	+ 5 3.3	1.474	2.443	7.3	20.2
10 18	23 35.39	+ 4 17.9	1.528	2.446	11.5	20.5
10 28	23 31.54	+ 3 42.2	1.604	2.448	15.2	20.7

131043 2000 YU_{25} 9 21.6 279°.49 0°.9/20.7 18

8 19	0 18.63	− 0 42.5	1.753	2.627	13.7	19.9
8 29	0 13.80	− 1 15.0	1.669	2.610	10.1	19.6
9 8	0 6.89	− 1 58.6	1.608	2.593	5.9	19.4
9 18	23 58.49	− 2 48.7	1.573	2.576	1.6	19.0
9 28	23 49.58	− 3 39.0	1.565	2.559	3.6	19.2
10 8	23 41.23	− 4 22.7	1.584	2.542	8.1	19.4
10 18	23 34.41	− 4 54.3	1.628	2.525	12.3	19.6
10 28	23 29.86	− 5 10.1	1.694	2.508	15.9	19.8

14253 2000 AL_{64} 9 21.6 8°.10 2°.1/19.8 18

8 19	0 17.79	− 3 37.1	1.564	2.451	14.3	17.8
8 29	0 13.17	− 4 13.2	1.504	2.452	10.4	17.6
9 8	0 6.44	− 4 57.6	1.465	2.453	6.1	17.4
9 18	23 58.35	− 5 44.4	1.452	2.454	2.3	17.1
9 28	23 49.94	− 6 26.4	1.465	2.456	4.5	17.3
10 8	23 42.33	− 6 57.4	1.504	2.459	8.8	17.5
10 18	23 36.45	− 7 12.9	1.567	2.461	12.8	17.8
10 28	23 32.95	− 7 11.1	1.651	2.465	16.2	18.0

421546 2014 OY_{180} 9 21.6 97°.54 4°.7/15.9 18

8 19	0 16.18	−13 42.0	2.298	3.183	10.4	21.0
8 29	0 11.39	−14 45.2	2.246	3.188	7.8	20.8
9 8	0 5.13	−15 47.1	2.219	3.194	5.4	20.7
9 18	23 57.97	−16 41.7	2.219	3.199	4.7	20.7
9 28	23 50.63	−17 23.6	2.247	3.205	6.3	20.8
10 8	23 43.88	−17 49.0	2.302	3.210	8.8	20.9
10 18	23 38.37	−17 56.4	2.382	3.215	11.3	21.1
10 28	23 34.57	−17 45.7	2.482	3.220	13.5	21.3

274516 2008 SF_{162} 9 21.6 47°.34 2°.0/20.0 18

8 19	0 19.78	− 3 0.7	1.405	2.293	15.6	20.5
8 29	0 14.69	− 3 36.4	1.356	2.305	11.3	20.3
9 8	0 7.32	− 4 21.2	1.329	2.317	6.5	20.0
9 18	23 58.56	− 5 8.6	1.327	2.329	2.2	19.8
9 28	23 49.60	− 5 50.9	1.350	2.342	4.5	20.0
10 8	23 41.66	− 6 21.4	1.399	2.355	9.1	20.3
10 18	23 35.68	− 6 36.0	1.471	2.369	13.3	20.6
10 28	23 32.29	− 6 32.8	1.564	2.383	16.8	20.9

16158 Monty 9 21.6 319°.34 0°.3/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 14.82	+ 3 3.5	1.498	2.375	15.4	17.9
8 29	0 11.31	+ 2 29.7	1.415	2.356	11.5	17.6
9 8	0 5.54	+ 1 38.7	1.353	2.337	7.0	17.3
9 18	23 58.16	+ 0 34.8	1.316	2.319	2.0	17.0
9 28	23 50.18	− 0 34.7	1.304	2.301	3.3	17.0
10 8	23 42.80	− 1 40.7	1.317	2.284	8.4	17.3
10 18	23 37.09	− 2 35.3	1.355	2.267	13.1	17.5
10 28	23 33.86	− 3 12.6	1.413	2.252	17.2	17.7

510191 2011 CO_{9} 9 21.6 198°.88 1°.0/20.6 17

8 19	0 19.92	− 0 23.4	1.834	2.703	13.4	22.7
8 29	0 14.54	− 1 9.1	1.762	2.700	9.8	22.4
9 8	0 7.20	− 2 5.9	1.713	2.697	5.7	22.2
9 18	23 58.56	− 3 8.5	1.690	2.694	1.6	21.9
9 28	23 49.55	− 4 10.3	1.696	2.690	3.5	22.0
10 8	23 41.21	− 5 4.3	1.730	2.685	7.8	22.3
10 18	23 34.40	− 5 45.3	1.789	2.680	11.7	22.5
10 28	23 29.79	− 6 9.9	1.871	2.674	15.0	22.7

349142 2007 KO_{9} 9 21.6 11°.35 2°.5/19.7 18 R

8 19	0 13.89	− 2 53.8	1.078	1.987	17.4	19.2
8 29	0 10.91	− 3 38.6	1.032	1.991	12.6	18.9
9 8	0 5.33	− 4 35.6	1.006	1.997	7.3	18.6
9 18	23 58.07	− 5 36.1	1.001	2.004	2.7	18.4
9 28	23 50.51	− 6 29.9	1.020	2.013	5.5	18.6
10 8	23 44.05	− 7 7.9	1.061	2.023	10.6	18.9
10 18	23 39.77	− 7 24.8	1.124	2.035	15.3	19.2
10 28	23 38.35	− 7 18.8	1.204	2.048	19.3	19.5

19253 1994 RN_{28} 9 21.6 51°.08 0°.1/21.5 18

8 19	0 16.98	+ 1 21.4	1.927	2.793	13.0	19.1
8 29	0 12.21	+ 0 55.1	1.865	2.801	9.5	18.9
9 8	0 5.72	+ 0 18.2	1.827	2.809	5.6	18.7
9 18	23 58.15	− 0 25.4	1.814	2.817	1.5	18.4
9 28	23 50.36	− 1 10.1	1.830	2.826	2.7	18.6
10 8	23 43.24	− 1 50.5	1.873	2.834	6.7	18.8
10 18	23 37.54	− 2 21.9	1.942	2.843	10.4	19.1
10 28	23 33.80	− 2 41.0	2.034	2.852	13.4	19.3

220730 2004 SO_{58} 9 21.6 345°.94 1°.0/20.8 18

8 19	0 18.79	− 2 46.9	1.700	2.580	13.7	19.2
8 29	0 13.86	− 2 47.6	1.628	2.572	10.1	19.0
9 8	0 6.87	− 2 55.2	1.578	2.564	5.9	18.7
9 18	23 58.49	− 3 6.0	1.554	2.558	1.6	18.4
9 28	23 49.72	− 3 15.5	1.557	2.552	3.5	18.5
10 8	23 41.63	− 3 19.0	1.586	2.547	7.9	18.8
10 18	23 35.16	− 3 13.0	1.641	2.542	11.9	19.0
10 28	23 30.98	− 2 55.4	1.717	2.539	15.3	19.2

215085 2009 FZ_{36} 9 21.6 114°.53 2°.1/19.3 18

8 19	0 18.08	− 4 17.9	2.022	2.898	12.0	20.8
8 29	0 12.92	− 5 5.5	1.964	2.907	8.7	20.6
9 8	0 6.10	− 5 59.1	1.930	2.916	5.1	20.4
9 18	23 58.25	− 6 53.5	1.923	2.924	2.2	20.2
9 28	23 50.21	− 7 42.6	1.945	2.933	4.1	20.4
10 8	23 42.84	− 8 21.3	1.995	2.941	7.6	20.6
10 18	23 36.87	− 8 46.1	2.070	2.949	10.9	20.8
10 28	23 32.82	− 8 55.1	2.167	2.957	13.7	21.0

173057 2006 SD_{51} 9 21.6 253°.79 2°.9/24.4 18

8 19	0 18.92	+ 9 19.0	2.116	2.944	13.4	20.2
8 29	0 13.72	+ 9 24.0	2.027	2.934	10.5	20.0
9 8	0 6.72	+ 9 14.2	1.962	2.924	7.1	19.8
9 18	23 58.46	+ 8 50.7	1.922	2.914	3.9	19.6
9 28	23 49.77	+ 8 16.4	1.910	2.903	3.3	19.5
10 8	23 41.56	+ 7 36.2	1.927	2.893	6.2	19.7
10 18	23 34.66	+ 6 55.4	1.970	2.882	9.7	19.9
10 28	23 29.71	+ 6 19.6	2.038	2.871	12.9	20.1

263287 2008 BN_{42} 9 21.6 246°.70 3°.7/18.6 17

8 19	0 21.95	− 7 5.9	1.550	2.437	14.4	20.5
8 29	0 16.42	− 7 54.8	1.480	2.427	10.6	20.2
9 8	0 8.50	− 8 49.7	1.432	2.418	6.5	20.0
9 18	23 58.95	− 9 43.5	1.410	2.408	3.7	19.8
9 28	23 48.92	−10 27.9	1.414	2.398	6.0	19.9
10 8	23 39.68	−10 56.2	1.445	2.387	10.2	20.1
10 18	23 32.28	−11 4.6	1.498	2.376	14.3	20.4
10 28	23 27.52	−10 52.1	1.572	2.365	17.9	20.6

518291 2017 AF_{14} 9 21.6 220°.70 1°.4/19.7 18

8 19	0 15.70	− 3 7.0	2.581	3.448	10.0	21.5
8 29	0 10.98	− 3 50.1	2.503	3.442	7.3	21.3
9 8	0 4.91	− 4 39.4	2.451	3.435	4.2	21.1
9 18	23 57.95	− 5 30.9	2.426	3.428	1.5	20.9
9 28	23 50.74	− 6 20.0	2.431	3.421	3.2	21.0
10 8	23 43.95	− 7 2.1	2.465	3.413	6.3	21.2
10 18	23 38.19	− 7 33.8	2.527	3.405	9.2	21.4
10 28	23 33.95	− 7 52.9	2.612	3.397	11.7	21.6

124383 2001 QF_{167} 9 21.6 354°.63 1°.8/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 16.15	− 2 16.5	1.106	2.011	17.5	19.6
8 29	0 12.71	− 2 42.7	1.049	2.005	12.9	19.3
9 8	0 6.51	− 3 21.5	1.010	2.000	7.5	19.0
9 18	23 58.44	− 4 6.2	0.993	1.997	2.3	18.6
9 28	23 49.88	− 4 47.6	1.000	1.995	4.9	18.8
10 8	23 42.33	− 5 17.1	1.030	1.994	10.5	19.1
10 18	23 37.01	− 5 28.6	1.080	1.994	15.5	19.4
10 28	23 34.74	− 5 19.5	1.149	1.996	19.7	19.7

239949 2001 DC_{107} 9 21.6 178°.79 0°.2/21.8 18

8 19	0 15.96	+ 4 34.7	2.094	2.947	12.6	20.9
8 29	0 11.43	+ 3 31.9	2.020	2.948	9.3	20.7
9 8	0 5.27	+ 2 14.5	1.970	2.949	5.6	20.5
9 18	23 58.05	+ 0 47.3	1.947	2.950	1.6	20.2
9 28	23 50.57	− 0 43.0	1.953	2.950	2.5	20.3
10 8	23 43.63	− 2 9.0	1.988	2.949	6.5	20.5
10 18	23 37.98	− 3 24.4	2.051	2.949	10.1	20.8
10 28	23 34.15	− 4 24.3	2.137	2.947	13.1	21.0

321640 2009 XW_{10} 9 21.6 155°.40 0°.8/22.3 18

8 19	0 18.85	+ 4 9.1	1.752	2.611	14.4	21.0
8 29	0 13.81	+ 3 40.2	1.683	2.613	10.7	20.8
9 8	0 6.79	+ 2 56.5	1.637	2.616	6.6	20.6
9 18	23 58.47	+ 2 2.1	1.616	2.618	2.1	20.3
9 28	23 49.83	+ 1 3.1	1.622	2.619	2.8	20.3
10 8	23 41.89	+ 0 6.4	1.656	2.621	7.2	20.6
10 18	23 35.53	− 0 41.6	1.716	2.622	11.2	20.9
10 28	23 31.40	− 1 16.2	1.798	2.624	14.6	21.1

225027 2007 FE_{21} 9 21.6 257°.16 1°.1/20.6 18

8 19	0 17.60	+ 0 40.6	1.674	2.548	14.2	21.2
8 29	0 13.11	− 0 18.4	1.595	2.537	10.4	20.9
9 8	0 6.50	− 1 32.0	1.539	2.524	6.1	20.6
9 18	23 58.43	− 2 54.4	1.509	2.512	1.6	20.3
9 28	23 49.87	− 4 17.4	1.506	2.499	3.8	20.4
10 8	23 41.93	− 5 32.0	1.530	2.486	8.5	20.7
10 18	23 35.57	− 6 31.3	1.578	2.473	12.7	20.9
10 28	23 31.52	− 7 10.9	1.649	2.460	16.4	21.1

98114 2000 RQ_{95} 9 21.6 306°.41 2°.8/19.0 18

8 19	0 15.85	− 3 26.7	1.480	2.373	14.6	19.3
8 29	0 12.10	− 4 31.2	1.401	2.352	10.7	19.1
9 8	0 6.05	− 5 48.2	1.343	2.332	6.3	18.8
9 18	23 58.34	− 7 10.5	1.311	2.312	2.9	18.5
9 28	23 50.02	− 8 28.2	1.304	2.292	5.5	18.6
10 8	23 42.32	− 9 31.9	1.322	2.273	10.2	18.8
10 18	23 36.33	−10 14.8	1.363	2.254	14.7	19.1
10 28	23 32.89	−10 33.5	1.424	2.235	18.5	19.3

508987 2005 ER_{133} 9 21.6 306°.92 0°.9/21.8 18

8 19	0 35.97	− 2 52.5	1.215	2.085	18.7	20.7
8 29	0 28.37	− 1 39.7	1.111	2.047	14.4	20.3
9 8	0 16.66	− 0 25.1	1.027	2.009	9.0	19.9
9 18	0 1.41	+ 0 52.2	0.969	1.971	2.8	19.4
9 28	23 44.16	+ 2 12.2	0.937	1.933	4.4	19.4
10 8	23 27.15	+ 3 34.4	0.932	1.896	11.4	19.6
10 18	23 12.59	+ 4 58.2	0.951	1.858	17.8	19.9
10 28	23 2.16	+ 6 24.7	0.990	1.822	23.4	20.1

7172 Multatuli 9 21.6 215°.69 1°.9/19.7 18

8 19	0 19.96	− 2 57.1	1.873	2.746	13.0	18.2
8 29	0 14.58	− 3 46.7	1.799	2.740	9.4	18.0
9 8	0 7.25	− 4 45.3	1.748	2.733	5.5	17.7
9 18	23 58.62	− 5 47.2	1.724	2.726	2.1	17.5
9 28	23 49.60	− 6 45.5	1.729	2.718	4.2	17.6
10 8	23 41.20	− 7 33.7	1.761	2.710	8.2	17.9
10 18	23 34.31	− 8 7.1	1.818	2.701	12.0	18.1
10 28	23 29.58	− 8 23.2	1.898	2.692	15.2	18.3

220405 2003 SY_{55} 9 21.6 332°.37 2°.5/24.4 18

8 19	0 14.83	+ 9 29.0	2.206	3.039	12.7	19.8
8 29	0 10.59	+ 9 13.3	2.126	3.036	9.9	19.6
9 8	0 4.78	+ 8 42.4	2.069	3.034	6.7	19.4
9 18	23 57.94	+ 7 58.1	2.038	3.031	3.5	19.2
9 28	23 50.80	+ 7 4.5	2.034	3.029	2.8	19.1
10 8	23 44.15	+ 6 7.0	2.059	3.027	5.7	19.3
10 18	23 38.70	+ 5 11.3	2.111	3.025	9.0	19.5
10 28	23 34.99	+ 4 22.7	2.187	3.023	12.0	19.7

468883 2013 TZ_{132} 9 21.6 44°.68 2°.3/23.4 17

8 19	0 18.69	+ 7 20.6	1.159	2.033	19.2	20.7
8 29	0 14.28	+ 7 0.0	1.112	2.047	14.5	20.5
9 8	0 7.26	+ 6 16.1	1.084	2.062	9.3	20.3
9 18	23 58.61	+ 5 13.7	1.079	2.078	3.9	20.0
9 28	23 49.71	+ 4 1.4	1.097	2.095	3.6	20.0
10 8	23 42.00	+ 2 50.2	1.140	2.112	8.6	20.4
10 18	23 36.53	+ 1 49.2	1.206	2.129	13.4	20.7
10 28	23 33.98	+ 1 5.3	1.292	2.147	17.5	21.0

367543 2009 RL_{32} 9 21.6 22°.43 6°.1/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 15.04	+16 1.6	1.223	2.065	20.4	19.8
8 29	0 11.72	+15 57.3	1.164	2.070	16.5	19.6
9 8	0 5.85	+15 20.9	1.122	2.076	12.1	19.4
9 18	23 58.27	+14 13.4	1.101	2.084	7.9	19.2
9 28	23 50.27	+12 41.3	1.102	2.091	6.1	19.1
10 8	23 43.24	+10 56.1	1.128	2.100	8.6	19.3
10 18	23 38.31	+ 9 11.0	1.177	2.110	12.8	19.5
10 28	23 36.22	+ 7 37.8	1.248	2.120	16.8	19.8

453503 2009 UJ_{6} 9 21.6 345°.95 0°.1/21.4 15

8 19	0 14.62	+ 1 24.2	1.841	2.713	13.2	21.5
8 29	0 10.68	+ 0 54.6	1.768	2.707	9.7	21.2
9 8	0 4.93	+ 0 13.3	1.718	2.702	5.8	21.0
9 18	23 58.00	− 0 35.8	1.694	2.697	1.5	20.7
9 28	23 50.72	− 1 26.6	1.696	2.693	2.9	20.8
10 8	23 44.03	− 2 13.1	1.726	2.689	7.1	21.1
10 18	23 38.73	− 2 49.8	1.781	2.686	10.9	21.3
10 28	23 35.45	− 3 12.9	1.858	2.683	14.2	21.5

34160 2000 QS_{26} 9 21.6 25°.69 4°.3/18.3 18

8 19	0 15.36	− 4 30.2	0.960	1.876	18.5	17.2
8 29	0 12.18	− 5 54.7	0.922	1.885	13.3	17.0
9 8	0 6.15	− 7 30.8	0.903	1.894	7.8	16.7
9 18	23 58.33	− 9 5.8	0.905	1.905	4.3	16.6
9 28	23 50.26	−10 25.8	0.930	1.917	7.4	16.8
10 8	23 43.48	−11 20.3	0.977	1.930	12.5	17.1
10 18	23 39.13	−11 44.5	1.043	1.944	17.2	17.4
10 28	23 37.86	−11 38.6	1.127	1.959	21.0	17.8

518730 2009 FE_{80} 9 21.6 238°.69 2°.1/19.4 18

8 19	0 19.82	− 5 22.7	2.175	3.046	11.5	22.3
8 29	0 14.27	− 5 54.9	2.095	3.035	8.4	22.1
9 8	0 6.99	− 6 32.2	2.040	3.024	5.0	21.9
9 18	23 58.55	− 7 10.1	2.012	3.013	2.2	21.7
9 28	23 49.75	− 7 43.5	2.013	3.001	4.0	21.8
10 8	23 41.48	− 8 7.7	2.043	2.988	7.5	22.0
10 18	23 34.50	− 8 19.5	2.099	2.976	10.9	22.2
10 28	23 29.44	− 8 17.1	2.178	2.963	13.8	22.3

319255 2006 AT_{83} 9 21.6 254°.35 3°.5/25.4 18

8 19	0 17.66	+11 42.6	2.332	3.147	12.7	20.4
8 29	0 12.63	+11 53.2	2.248	3.143	10.1	20.2
9 8	0 5.99	+11 49.1	2.187	3.139	7.2	20.0
9 18	23 58.28	+11 30.9	2.151	3.136	4.4	19.8
9 28	23 50.23	+11 1.0	2.144	3.132	3.6	19.8
10 8	23 42.64	+10 23.6	2.165	3.129	5.8	19.9
10 18	23 36.24	+ 9 43.6	2.213	3.125	8.7	20.1
10 28	23 31.60	+ 9 6.2	2.286	3.121	11.6	20.3

183817 2004 BG_{71} 9 21.6 328°.65 1°.3/22.3 18

8 19	0 22.44	+ 1 39.0	1.222	2.103	17.9	19.4
8 29	0 17.38	+ 2 3.5	1.150	2.091	13.5	19.1
9 8	0 9.38	+ 2 15.1	1.098	2.081	8.4	18.8
9 18	23 59.27	+ 2 16.0	1.068	2.070	2.9	18.4
9 28	23 48.44	+ 2 10.5	1.063	2.061	3.6	18.4
10 8	23 38.48	+ 2 4.7	1.083	2.052	9.3	18.8
10 18	23 30.78	+ 2 4.4	1.125	2.044	14.5	19.0
10 28	23 26.30	+ 2 14.5	1.186	2.037	19.0	19.3

373452 2000 AO_{212} 9 21.6 327°.33 5°.6/25.7 18

8 19	0 15.20	+12 39.6	1.196	2.053	19.8	20.3
8 29	0 12.17	+12 57.0	1.118	2.036	16.0	20.1
9 8	0 6.37	+12 46.8	1.057	2.021	11.6	19.8
9 18	23 58.49	+12 8.3	1.017	2.006	7.2	19.5
9 28	23 49.81	+11 5.3	1.000	1.992	5.8	19.4
10 8	23 41.85	+ 9 47.1	1.006	1.979	9.2	19.5
10 18	23 35.98	+ 8 25.7	1.033	1.967	14.0	19.7
10 28	23 33.22	+ 7 13.0	1.081	1.956	18.6	20.0

415796 2001 DD_{102} 9 21.6 201°.92 3°.8/17.7 18

8 19	0 21.41	− 8 13.7	1.916	2.795	12.5	21.8
8 29	0 15.60	− 9 21.3	1.847	2.790	9.1	21.6
9 8	0 7.84	−10 33.5	1.803	2.785	5.7	21.4
9 18	23 58.79	−11 43.2	1.786	2.779	3.8	21.2
9 28	23 49.38	−12 42.9	1.797	2.773	5.9	21.4
10 8	23 40.63	−13 26.6	1.836	2.765	9.3	21.5
10 18	23 33.42	−13 50.8	1.900	2.757	12.7	21.7
10 28	23 28.38	−13 54.6	1.985	2.748	15.7	21.9

241194 2007 SX_{10} 9 21.6 12°.47 1°.3/22.9 18

8 19	0 15.91	+ 6 13.7	1.678	2.537	14.9	20.7
8 29	0 11.75	+ 5 37.5	1.609	2.538	11.2	20.5
9 8	0 5.63	+ 4 43.7	1.561	2.539	7.1	20.2
9 18	23 58.20	+ 3 36.2	1.539	2.540	2.7	19.9
9 28	23 50.44	+ 2 21.9	1.544	2.541	2.8	20.0
10 8	23 43.36	+ 1 8.9	1.575	2.543	7.1	20.2
10 18	23 37.85	+ 0 4.5	1.632	2.545	11.3	20.5
10 28	23 34.56	− 0 45.4	1.711	2.547	14.8	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
234258 2000 UU_{62}			9 21.6 287°69		4°7/25.8 18	
	h m	° ′			°	m
8 19	0 17.55	+13 23.4	1.711	2.536	16.2	20.1
8 29	0 13.23	+13 26.1	1.617	2.517	13.0	19.8
9 8	0 6.70	+13 6.9	1.544	2.498	9.4	19.6
9 18	23 58.55	+12 25.5	1.495	2.479	6.0	19.3
9 28	23 49.74	+11 25.2	1.471	2.460	4.8	19.2
10 8	23 41.44	+10 12.9	1.474	2.441	7.5	19.3
10 18	23 34.68	+ 8 57.1	1.502	2.422	11.5	19.5
10 28	23 30.31	+ 7 46.8	1.552	2.403	15.3	19.7
232874 2004 VP_{28}			9 21.6 271°23		2°1/19.7 18	
8 19	0 20.46	− 4 7.3	1.925	2.799	12.6	20.8
8 29	0 15.10	− 4 44.7	1.833	2.774	9.3	20.5
9 8	0 7.68	− 5 30.0	1.764	2.749	5.5	20.3
9 18	23 58.79	− 6 18.2	1.722	2.723	2.2	20.0
9 28	23 49.32	− 7 3.0	1.708	2.697	4.3	20.1
10 8	23 40.30	− 7 38.4	1.722	2.670	8.4	20.3
10 18	23 32.70	− 7 59.9	1.761	2.643	12.3	20.5
10 28	23 27.27	− 8 4.6	1.822	2.616	15.7	20.7
474170 1999 TE_{167}			9 21.6 354°76		1°7/22.7 18	
8 19	0 16.30	+ 3 42.3	1.202	2.088	17.8	19.9
8 29	0 12.73	+ 3 53.3	1.138	2.081	13.5	19.7
9 8	0 6.52	+ 3 47.4	1.093	2.076	8.5	19.4
9 18	23 58.49	+ 3 27.4	1.070	2.072	3.2	19.0
9 28	23 49.93	+ 2 59.0	1.071	2.069	3.5	19.1
10 8	23 42.26	+ 2 29.8	1.096	2.068	8.8	19.4
10 18	23 36.69	+ 2 7.0	1.143	2.069	13.8	19.7
10 28	23 34.04	+ 1 56.4	1.209	2.070	18.0	19.9
73491 Robmatson			9 21.6 234°42		4°0/25.3 18	
8 19	0 21.37	+11 45.9	2.099	2.912	14.0	19.5
8 29	0 15.59	+12 7.1	2.010	2.904	11.2	19.3
9 8	0 7.88	+12 12.7	1.943	2.895	8.0	19.1
9 18	23 58.83	+12 2.4	1.902	2.886	5.0	18.9
9 28	23 49.29	+11 38.3	1.889	2.876	4.2	18.9
10 8	23 40.25	+11 4.9	1.904	2.866	6.6	19.0
10 18	23 32.57	+10 27.4	1.946	2.856	9.9	19.2
10 28	23 26.95	+ 9 51.9	2.012	2.845	13.0	19.3
360205 1998 SZ_{32}			9 21.6 32°49		0°4/21.1 18	
8 19	0 13.70	+ 2 7.6	2.030	2.897	12.4	21.0
8 29	0 9.80	+ 1 10.1	1.964	2.901	9.1	20.8
9 8	0 4.32	+ 0 0.5	1.922	2.906	5.3	20.6
9 18	23 57.84	− 1 16.3	1.907	2.911	1.3	20.3
9 28	23 51.13	− 2 33.7	1.920	2.916	2.8	20.4
10 8	23 44.99	− 3 44.8	1.961	2.921	6.7	20.7
10 18	23 40.12	− 4 44.2	2.029	2.926	10.2	20.9
10 28	23 37.04	− 5 28.0	2.119	2.932	13.2	21.1
360493 2002 VO_{107}			9 21.6 307°77		5°8/26.8 18	
8 19	0 16.62	+15 40.4	1.751	2.565	16.3	20.4
8 29	0 12.56	+16 0.0	1.655	2.544	13.4	20.2
9 8	0 6.31	+15 57.6	1.579	2.523	10.2	20.0
9 18	23 58.46	+15 32.0	1.526	2.502	7.1	19.7
9 28	23 49.94	+14 45.1	1.499	2.481	5.8	19.6
10 8	23 41.87	+13 42.5	1.497	2.461	7.8	19.7
10 18	23 35.30	+12 32.1	1.520	2.441	11.3	19.8
10 28	23 31.08	+11 22.9	1.566	2.422	14.9	20.0
327564 2006 DH_{6}			9 21.6 224°66		0°4/22.1 17	
8 19	0 19.27	+ 1 41.6	2.735	3.579	10.2	21.2
8 29	0 13.56	+ 1 38.7	2.648	3.571	7.6	21.0
9 8	0 6.46	+ 1 28.6	2.586	3.563	4.6	20.8
9 18	23 58.43	+ 1 13.3	2.552	3.554	1.4	20.6
9 28	23 50.11	+ 0 55.5	2.549	3.545	2.0	20.6
10 8	23 42.19	+ 0 38.6	2.575	3.535	5.2	20.8
10 18	23 35.29	+ 0 25.5	2.630	3.526	8.2	21.0
10 28	23 29.92	+ 0 19.1	2.710	3.516	10.8	21.2
214540 2006 OB_{9}			9 21.6 10°65		3°0/19.1 18	
8 19	0 12.04	− 1 13.9	0.980	1.894	18.4	18.9
8 29	0 9.80	− 2 42.4	0.934	1.896	13.3	18.6
9 8	0 4.82	− 4 29.1	0.907	1.899	7.6	18.3
9 18	23 58.04	− 6 21.8	0.901	1.903	3.1	18.1
9 28	23 50.88	− 8 5.5	0.918	1.909	6.4	18.3
10 8	23 44.84	− 9 26.8	0.957	1.917	11.9	18.6
10 18	23 41.06	−10 18.1	1.017	1.925	16.8	19.0
10 28	23 40.27	−10 37.1	1.093	1.935	20.9	19.3
80573 2000 AO_{118}			9 21.6 293°34		1°1/20.6 18	
8 19	0 16.65	+ 1 0.5	1.427	2.310	15.7	19.6
8 29	0 12.81	+ 0 2.2	1.345	2.291	11.6	19.4
9 8	0 6.56	− 1 14.0	1.285	2.272	6.8	19.0
9 18	23 58.55	− 2 41.9	1.249	2.253	1.8	18.7
9 28	23 49.88	− 4 11.7	1.240	2.234	4.2	18.8
10 8	23 41.85	− 5 32.8	1.255	2.215	9.5	19.0
10 18	23 35.60	− 6 36.5	1.294	2.197	14.4	19.3
10 28	23 32.00	− 7 17.2	1.353	2.178	18.5	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
395636 2011 WJ_{13}			9 21.6 345°23		9°2/14.1 18	
	h m	° ′			°	m
8 19	0 14.15	−17 48.7	1.194	2.109	15.6	19.1
8 29	0 11.25	−19 5.5	1.138	2.092	12.3	18.8
9 8	0 5.69	−20 17.1	1.102	2.076	9.8	18.6
9 18	23 58.30	−21 11.7	1.088	2.062	9.4	18.6
9 28	23 50.41	−21 38.5	1.095	2.049	11.8	18.7
10 8	23 43.46	−21 31.5	1.124	2.039	15.3	18.8
10 18	23 38.64	−20 50.4	1.171	2.030	18.9	19.0
10 28	23 36.75	−19 38.8	1.235	2.023	22.1	19.3
222463 2001 RN_{82}			9 21.6 28°61		4°5/25.5 17	
8 19	0 17.11	+12 32.6	1.372	2.217	18.4	19.3
8 29	0 13.03	+12 26.8	1.309	2.222	14.5	19.0
9 8	0 6.57	+11 55.3	1.265	2.227	10.2	18.8
9 18	23 58.51	+10 59.7	1.243	2.233	6.0	18.6
9 28	23 50.05	+ 9 46.1	1.246	2.239	4.7	18.5
10 8	23 42.48	+ 8 24.0	1.275	2.246	8.0	18.7
10 18	23 36.85	+ 7 3.9	1.327	2.253	12.2	19.0
10 28	23 33.89	+ 5 54.8	1.401	2.260	16.1	19.3
103671 2000 CP_{54}			9 21.6 286°16		0°3/21.8 18	
8 19	0 17.04	+ 2 49.0	1.830	2.695	13.6	19.7
8 29	0 12.63	+ 2 17.1	1.742	2.676	10.2	19.4
9 8	0 6.23	+ 1 31.1	1.676	2.658	6.2	19.1
9 18	23 58.43	+ 0 34.8	1.636	2.639	1.8	18.8
9 28	23 50.12	− 0 25.9	1.624	2.620	2.9	18.8
10 8	23 42.30	− 1 24.0	1.638	2.602	7.4	19.1
10 18	23 35.90	− 2 12.9	1.679	2.583	11.5	19.3
10 28	23 31.65	− 2 47.8	1.741	2.564	15.1	19.5
347208 2011 HG_{32}			9 21.6 35°01		3°4/18.5 17	
8 19	0 14.73	− 3 13.2	1.204	2.108	16.5	19.3
8 29	0 11.20	− 4 47.1	1.169	2.126	11.7	19.1
9 8	0 5.36	− 6 31.4	1.156	2.146	6.8	18.9
9 18	23 58.14	− 8 14.8	1.167	2.167	3.4	18.7
9 28	23 50.81	− 9 45.5	1.202	2.189	6.2	19.0
10 8	23 44.58	−10 54.1	1.262	2.211	10.7	19.3
10 18	23 40.35	−11 36.1	1.343	2.234	14.8	19.6
10 28	23 38.69	−11 50.8	1.444	2.258	18.1	19.9
193431 2000 WX_{108}			9 21.6 286°53		4°3/25.3 18	
8 19	0 18.73	+11 57.8	1.722	2.552	15.9	19.8
8 29	0 14.08	+12 8.3	1.631	2.535	12.7	19.5
9 8	0 7.21	+11 58.8	1.560	2.517	9.1	19.3
9 18	23 58.72	+11 29.4	1.513	2.500	5.6	19.0
9 28	23 49.59	+10 43.1	1.492	2.483	4.5	18.9
10 8	23 40.97	+ 9 46.1	1.498	2.466	7.5	19.1
10 18	23 33.90	+ 8 46.0	1.529	2.448	11.4	19.3
10 28	23 29.23	+ 7 50.8	1.583	2.431	15.2	19.5
444218 2005 TE_{119}			9 21.6 43°01		0°4/22.0 18	
8 19	0 16.60	+ 3 0.5	1.960	2.821	13.0	21.2
8 29	0 11.99	+ 2 34.2	1.893	2.825	9.6	21.0
9 8	0 5.67	+ 1 55.9	1.849	2.829	5.8	20.8
9 18	23 58.24	+ 1 9.2	1.831	2.833	1.8	20.5
9 28	23 50.56	+ 0 19.5	1.840	2.837	2.5	20.6
10 8	23 43.49	− 0 27.4	1.878	2.842	6.5	20.8
10 18	23 37.80	− 1 6.4	1.942	2.846	10.2	21.1
10 28	23 34.05	− 1 33.5	2.028	2.851	13.3	21.3
319561 2006 SP_{39}			9 21.6 33°33		2°5/23.7 17	
8 19	0 15.68	+ 9 5.9	1.153	2.025	19.3	20.3
8 29	0 12.19	+ 8 26.1	1.101	2.034	14.8	20.1
9 8	0 6.13	+ 7 19.1	1.067	2.044	9.6	19.8
9 18	23 58.40	+ 5 50.4	1.055	2.054	4.2	19.6
9 28	23 50.33	+ 4 10.1	1.067	2.065	3.6	19.6
10 8	23 43.33	+ 2 31.0	1.104	2.077	8.6	19.9
10 18	23 38.49	+ 1 4.6	1.163	2.089	13.6	20.2
10 28	23 36.50	− 0 1.0	1.243	2.102	17.8	20.5
393382 2000 BC_{10}			9 21.6 202°70		3°0/17.8 18	
8 19	0 17.25	− 7 24.9	2.384	3.260	10.4	22.4
8 29	0 12.25	− 8 33.3	2.313	3.256	7.6	22.2
9 8	0 5.75	− 9 46.0	2.268	3.251	4.7	22.0
9 18	23 58.27	−10 57.5	2.250	3.245	3.0	21.9
9 28	23 50.51	−12 1.6	2.263	3.239	4.8	22.0
10 8	23 43.24	−12 53.2	2.304	3.232	7.7	22.2
10 18	23 37.13	−13 28.9	2.370	3.225	10.6	22.4
10 28	23 32.70	−13 47.3	2.460	3.217	13.1	22.6
385446 Manwë			9 21.6 284°44		0°1/20.5 13	C
8 19	23 57.75	− 3 2.8	42.392	43.252	0.7	22.9
8 29	23 57.13	− 3 7.1	42.313	43.249	0.5	22.9
9 8	23 56.46	− 3 11.6	42.262	43.246	0.3	22.9
9 18	23 55.74	− 3 16.3	42.240	43.243	0.1	22.8
9 28	23 55.02	− 3 20.9	42.247	43.240	0.2	22.9
10 8	23 54.31	− 3 25.3	42.284	43.237	0.4	22.9
10 18	23 53.65	− 3 29.3	42.350	43.234	0.6	22.9
10 28	23 53.05	− 3 32.8	42.442	43.231	0.8	23.0

214835 2006 VO_{119} 9 21.6 346°.34 1°.9/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 16.79	− 3 22.2	1.773	2.656	13.1	20.4
8 29	0 12.31	− 4 2.0	1.707	2.653	9.5	20.2
9 8	0 5.95	− 4 49.8	1.663	2.650	5.6	20.0
9 18	23 58.33	− 5 40.2	1.645	2.647	2.1	19.7
9 28	23 50.40	− 6 26.7	1.655	2.645	4.1	19.9
10 8	23 43.13	− 7 3.2	1.691	2.644	8.2	20.1
10 18	23 37.37	− 7 25.5	1.752	2.642	11.9	20.3
10 28	23 33.74	− 7 31.2	1.834	2.641	15.1	20.6

357226 2002 JJ_{60} 9 21.6 117°.17 3°.9/16.7 18

8 19	0 18.24	−13 4.2	2.649	3.525	9.5	21.5
8 29	0 12.68	−13 52.8	2.602	3.541	7.0	21.3
9 8	0 5.84	−14 39.9	2.582	3.557	4.8	21.2
9 18	23 58.26	−15 21.0	2.590	3.573	3.9	21.2
9 28	23 50.58	−15 51.6	2.627	3.588	5.3	21.3
10 8	23 43.48	−16 8.9	2.692	3.603	7.5	21.5
10 18	23 37.52	−16 11.7	2.783	3.618	9.8	21.7
10 28	23 33.12	−15 59.9	2.896	3.632	11.8	21.8

217626 1027 $T\text{-}_3$ 9 21.6 20°.51 7°.2/28.9 17

8 19	0 12.16	+19 17.0	1.309	2.133	20.2	19.0
8 29	0 9.39	+19 22.8	1.262	2.151	16.7	18.9
9 8	0 4.36	+18 56.1	1.232	2.171	12.8	18.7
9 18	23 57.92	+17 58.0	1.222	2.193	9.1	18.6
9 28	23 51.25	+16 34.1	1.236	2.216	7.2	18.5
10 8	23 45.55	+14 55.2	1.273	2.241	8.5	18.7
10 18	23 41.74	+13 13.0	1.334	2.267	11.6	18.9
10 28	23 40.43	+11 38.6	1.418	2.294	14.9	19.2

445223 2009 FX_{58} 9 21.6 139°.73 0°.6/22.3 18

8 19	0 16.76	+ 4 23.1	2.137	2.989	12.4	22.0
8 29	0 11.99	+ 3 43.8	2.068	2.995	9.3	21.8
9 8	0 5.62	+ 2 51.7	2.023	3.001	5.6	21.6
9 18	23 58.25	+ 1 50.7	2.004	3.006	1.8	21.3
9 28	23 50.64	+ 0 46.2	2.014	3.011	2.3	21.4
10 8	23 43.60	− 0 15.7	2.053	3.016	6.1	21.6
10 18	23 37.84	− 1 9.7	2.119	3.021	9.6	21.9
10 28	23 33.89	− 1 51.6	2.209	3.025	12.6	22.1

35567 1998 GC_9 9 21.6 241°.38 7°.3/14.3 18

8 19	0 20.02	−17 50.9	1.771	2.660	12.8	18.9
8 29	0 14.75	−19 11.5	1.716	2.655	10.0	18.7
9 8	0 7.42	−20 27.7	1.685	2.650	7.8	18.6
9 18	23 58.75	−21 30.6	1.679	2.645	7.5	18.6
9 28	23 49.77	−22 12.4	1.699	2.640	9.3	18.7
10 8	23 41.57	−22 28.7	1.743	2.635	12.1	18.8
10 18	23 35.04	−22 18.7	1.810	2.629	14.9	19.0
10 28	23 30.85	−21 44.2	1.895	2.624	17.4	19.2

195123 2002 CG_{157} 9 21.6 55°.59 0°.3/21.9 18 R

8 19	0 18.97	+ 2 41.6	1.518	2.389	15.5	19.6
8 29	0 14.07	+ 2 14.1	1.462	2.399	11.5	19.4
9 8	0 7.04	+ 1 32.1	1.427	2.410	6.9	19.2
9 18	23 58.64	+ 0 40.5	1.418	2.420	2.0	18.9
9 28	23 49.99	− 0 13.8	1.434	2.431	3.1	19.0
10 8	23 42.23	− 1 3.3	1.477	2.442	7.8	19.3
10 18	23 36.27	− 1 42.0	1.545	2.454	12.0	19.6
10 28	23 32.74	− 2 5.7	1.634	2.465	15.6	19.9

210294 2007 TT_{92} 9 21.6 271°.48 0°.4/22.0 18

8 19	0 15.12	+ 4 56.6	1.875	2.734	13.6	20.2
8 29	0 11.11	+ 3 57.9	1.794	2.725	10.1	20.0
9 8	0 5.28	+ 2 42.2	1.736	2.716	6.2	19.7
9 18	23 58.20	+ 1 14.2	1.704	2.706	1.9	19.4
9 28	23 50.73	− 0 18.7	1.700	2.696	2.7	19.5
10 8	23 43.81	− 1 48.3	1.723	2.687	7.1	19.7
10 18	23 38.25	− 3 6.9	1.774	2.677	11.1	20.0
10 28	23 34.70	− 4 9.0	1.847	2.667	14.5	20.2

33357 1999 AX_5 9 21.6 229°.33 3°.8/18.6 18

8 19	0 21.98	− 6 27.7	1.416	2.306	15.3	19.3
8 29	0 16.60	− 7 24.1	1.352	2.302	11.2	19.1
9 8	0 8.71	− 8 27.9	1.311	2.297	6.8	18.8
9 18	23 59.14	− 9 30.9	1.294	2.292	3.8	18.6
9 28	23 49.12	−10 23.9	1.303	2.287	6.3	18.8
10 8	23 39.98	−10 59.3	1.337	2.282	10.7	19.0
10 18	23 32.86	−11 12.9	1.395	2.276	15.0	19.2
10 28	23 28.52	−11 3.9	1.471	2.271	18.6	19.5

17203 2000 AM_{64} 9 21.6 106°.81 1°.0/20.4 18

8 19	0 16.44	− 2 4.2	2.362	3.229	10.8	18.5
8 29	0 11.62	− 2 34.7	2.294	3.232	7.9	18.3
9 8	0 5.36	− 3 11.7	2.251	3.235	4.6	18.1
9 18	23 58.19	− 3 51.6	2.236	3.239	1.4	17.9
9 28	23 50.81	− 4 29.8	2.249	3.242	2.9	18.0
10 8	23 43.95	− 5 1.9	2.291	3.245	6.3	18.2
10 18	23 38.24	− 5 24.6	2.360	3.248	9.4	18.4
10 28	23 34.18	− 5 35.6	2.453	3.251	12.0	18.6

158816 2003 UM_{90} 9 21.6 53°.55 0°.5/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 15.83	+ 0 33.5	2.031	2.899	12.3	20.5
8 29	0 11.29	− 0 5.0	1.977	2.914	9.0	20.3
9 8	0 5.19	− 0 53.0	1.946	2.930	5.2	20.1
9 18	23 58.14	− 1 46.0	1.942	2.946	1.3	19.9
9 28	23 50.94	− 2 38.5	1.967	2.962	2.8	20.0
10 8	23 44.39	− 3 24.9	2.019	2.978	6.6	20.3
10 18	23 39.18	− 4 0.9	2.097	2.994	9.9	20.5
10 28	23 35.78	− 4 23.7	2.199	3.011	12.8	20.8

266965 2010 VB_{58} 9 21.6 297°.13 4°.7/11.9 18

8 19	0 11.88	−24 23.9	4.111	4.977	6.6	19.8
8 29	0 7.86	−25 7.9	4.053	4.968	5.5	19.7
9 8	0 2.97	−25 46.5	4.021	4.958	4.8	19.6
9 18	23 57.53	−26 16.7	4.017	4.948	4.9	19.6
9 28	23 51.97	−26 35.7	4.040	4.938	5.7	19.7
10 8	23 46.70	−26 42.0	4.090	4.929	6.9	19.7
10 18	23 42.11	−26 35.0	4.163	4.919	8.2	19.8
10 28	23 38.53	−26 14.9	4.258	4.910	9.4	19.9

365566 2010 TZ_{62} 9 21.6 95°.94 2°.8/23.9 17

8 19	0 21.61	+ 8 38.9	1.406	2.258	17.6	20.7
8 29	0 16.20	+ 8 24.4	1.349	2.271	13.5	20.5
9 8	0 8.39	+ 7 48.3	1.312	2.283	8.9	20.3
9 18	23 59.03	+ 6 54.1	1.298	2.295	4.2	20.0
9 28	23 49.38	+ 5 48.4	1.311	2.307	3.6	20.0
10 8	23 40.72	+ 4 40.2	1.349	2.319	7.9	20.3
10 18	23 34.09	+ 3 38.2	1.412	2.330	12.3	20.6
10 28	23 30.18	+ 2 49.2	1.497	2.341	16.1	20.9

345797 2007 GK_{27} 9 21.6 21°.92 4°.3/18.8 18

8 19	0 17.12	− 7 19.3	0.993	1.908	18.0	19.8
8 29	0 13.31	− 7 58.3	0.962	1.923	13.0	19.6
9 8	0 6.75	− 8 41.9	0.950	1.940	7.8	19.4
9 18	23 58.57	− 9 21.1	0.959	1.959	4.3	19.3
9 28	23 50.30	− 9 46.5	0.991	1.979	6.9	19.5
10 8	23 43.41	− 9 52.0	1.046	2.001	11.6	19.8
10 18	23 38.94	− 9 35.8	1.120	2.024	16.0	20.1
10 28	23 37.45	− 8 58.7	1.213	2.049	19.6	20.5

88253 2001 FV_{69} 9 21.6 181°.13 2°.2/18.0 18

8 19	0 13.49	− 9 5.4	3.586	4.457	7.4	19.5
8 29	0 9.05	− 9 39.2	3.518	4.457	5.3	19.3
9 8	0 3.68	−10 13.9	3.476	4.458	3.3	19.2
9 18	23 57.73	−10 46.8	3.464	4.457	2.2	19.1
9 28	23 51.64	−11 14.8	3.481	4.457	3.3	19.2
10 8	23 45.87	−11 35.4	3.528	4.457	5.3	19.3
10 18	23 40.85	−11 46.8	3.602	4.456	7.3	19.5
10 28	23 36.91	−11 48.1	3.701	4.455	9.1	19.6

375823 2009 UB_{62} 9 21.6 185°.80 1°.5/20.2 18

8 19	0 19.65	− 1 14.8	1.806	2.677	13.4	21.2
8 29	0 14.40	− 2 8.2	1.737	2.677	9.8	21.0
9 8	0 7.21	− 3 12.2	1.692	2.677	5.7	20.7
9 18	23 58.72	− 4 21.1	1.674	2.676	1.8	20.5
9 28	23 49.91	− 5 27.5	1.683	2.675	3.9	20.6
10 8	23 41.78	− 6 24.4	1.720	2.673	8.0	20.9
10 18	23 35.20	− 7 6.7	1.783	2.671	11.9	21.1
10 28	23 30.81	− 7 31.2	1.868	2.668	15.1	21.3

376537 2012 TW_9 9 21.6 198°.87 0°.6/22.7 17

8 19	0 13.24	+ 3 51.3	3.670	4.507	8.0	21.6
8 29	0 8.89	+ 3 35.9	3.586	4.504	6.0	21.4
9 8	0 3.61	+ 3 13.7	3.527	4.501	3.7	21.3
9 18	23 57.74	+ 2 46.5	3.498	4.498	1.3	21.1
9 28	23 51.70	+ 2 16.6	3.498	4.495	1.5	21.1
10 8	23 45.94	+ 1 46.8	3.529	4.491	3.9	21.3
10 18	23 40.88	+ 1 19.7	3.589	4.488	6.1	21.4
10 28	23 36.86	+ 0 57.7	3.675	4.484	8.2	21.6

25300 Andyromine 9 21.6 34°.86 2°.9/19.2 18

8 19	0 17.49	− 4 47.7	1.438	2.332	14.9	18.0
8 29	0 13.03	− 5 39.0	1.392	2.344	10.8	17.7
9 8	0 6.42	− 6 37.4	1.369	2.357	6.3	17.5
9 18	23 58.51	− 7 35.7	1.370	2.370	2.9	17.4
9 28	23 50.42	− 8 25.7	1.397	2.385	5.2	17.5
10 8	23 43.28	− 9 0.7	1.449	2.399	9.4	17.8
10 18	23 37.99	− 9 17.1	1.524	2.415	13.4	18.1
10 28	23 35.12	− 9 13.7	1.619	2.431	16.6	18.4

222826 2002 DS_{19} 9 21.6 302°.64 0°.4/20.8 18

8 19	0 10.03	− 1 17.8	4.180	5.037	6.7	20.7
8 29	0 6.48	− 1 41.8	4.101	5.034	4.9	20.6
9 8	0 2.15	− 2 9.8	4.048	5.030	2.8	20.4
9 18	23 57.35	− 2 39.8	4.024	5.027	0.8	20.3
9 28	23 52.41	− 3 9.6	4.030	5.023	1.7	20.3
10 8	23 47.71	− 3 36.7	4.066	5.020	3.8	20.5
10 18	23 43.59	− 3 59.2	4.130	5.016	5.7	20.6
10 28	23 40.33	− 4 15.3	4.221	5.013	7.5	20.8

448423 2009 SG_{270} 9 21.6 27°.40 8°.1/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 30.27	−23 30.6	1.702	2.572	14.2	19.4
8 29	0 21.98	−23 37.7	1.661	2.584	11.3	19.3
9 8	0 11.50	−23 31.3	1.643	2.597	9.0	19.2
9 18	23 59.83	−23 5.5	1.651	2.611	8.1	19.1
9 28	23 48.25	−22 16.8	1.685	2.626	9.4	19.3
10 8	23 37.99	−21 5.8	1.745	2.641	11.9	19.4
10 18	23 29.90	−19 35.9	1.830	2.656	14.5	19.6
10 28	23 24.53	−17 51.8	1.936	2.673	16.8	19.9

130218 2000 AG_{239} 9 21.6 247°.17 1°.2/20.2 18

8 19	0 15.70	− 2 8.1	2.518	3.384	10.3	20.6
8 29	0 11.11	− 2 47.7	2.436	3.374	7.5	20.4
9 8	0 5.11	− 3 34.2	2.379	3.363	4.4	20.2
9 18	23 58.18	− 4 24.0	2.350	3.352	1.4	20.0
9 28	23 50.96	− 5 12.3	2.350	3.341	3.0	20.1
10 8	23 44.15	− 5 54.5	2.379	3.330	6.2	20.3
10 18	23 38.38	− 6 26.9	2.435	3.319	9.3	20.5
10 28	23 34.16	− 6 47.0	2.515	3.307	11.9	20.6

118332 1999 AK_{14} 9 21.6 269°.75 1°.5/20.3 18

8 19	0 19.22	− 1 33.6	1.649	2.527	14.2	19.8
8 29	0 14.42	− 2 17.6	1.569	2.512	10.4	19.5
9 8	0 7.42	− 3 13.3	1.511	2.497	6.1	19.3
9 18	23 58.86	− 4 15.1	1.479	2.481	1.9	19.0
9 28	23 49.76	− 5 15.5	1.473	2.466	4.1	19.1
10 8	23 41.27	− 6 6.8	1.495	2.450	8.8	19.3
10 18	23 34.41	− 6 43.0	1.541	2.434	13.1	19.5
10 28	23 29.95	− 7 0.7	1.608	2.418	16.7	19.7

417394 2006 HY_{118} 9 21.6 139°.15 1°.7/23.3 17

8 19	0 18.13	+ 8 37.0	1.423	2.280	17.2	21.4
8 29	0 13.73	+ 7 40.2	1.357	2.283	13.1	21.1
9 8	0 7.00	+ 6 19.1	1.312	2.287	8.4	20.9
9 18	23 58.72	+ 4 38.8	1.291	2.290	3.4	20.6
9 28	23 50.06	+ 2 48.9	1.296	2.293	3.1	20.6
10 8	23 42.25	+ 1 0.9	1.328	2.296	8.0	20.9
10 18	23 36.33	− 0 34.5	1.384	2.299	12.7	21.2
10 28	23 33.00	− 1 49.9	1.463	2.302	16.7	21.4

173541 2000 WS_{133} 9 21.6 295°.36 5°.3/25.4 18

8 19	0 20.58	+12 6.4	1.366	2.208	18.6	20.0
8 29	0 15.92	+12 31.3	1.286	2.197	14.9	19.7
9 8	0 8.56	+12 33.0	1.226	2.186	10.7	19.4
9 18	23 59.21	+12 10.6	1.188	2.175	6.7	19.2
9 28	23 49.11	+11 27.1	1.175	2.165	5.5	19.1
10 8	23 39.73	+10 30.0	1.186	2.155	8.7	19.2
10 18	23 32.36	+ 9 28.7	1.220	2.144	13.2	19.5
10 28	23 27.95	+ 8 33.2	1.276	2.135	17.4	19.7

481642 2007 VC_{114} 9 21.6 332°.07 3°.5/18.5 18

8 19	0 16.88	− 6 33.4	1.591	2.484	13.8	21.2
8 29	0 12.65	− 7 26.3	1.525	2.476	10.1	20.9
9 8	0 6.30	− 8 25.6	1.481	2.468	6.1	20.7
9 18	23 58.54	− 9 24.3	1.463	2.461	3.5	20.5
9 28	23 50.38	−10 14.4	1.470	2.454	5.7	20.6
10 8	23 42.93	−10 49.3	1.504	2.448	9.7	20.9
10 18	23 37.15	−11 4.8	1.560	2.442	13.6	21.1
10 28	23 33.72	−10 59.5	1.637	2.437	16.9	21.3

217740 2000 BQ_{30} 9 21.6 332°.29 11°.0/ 1.9 17

8 19	0 20.91	+28 54.1	2.005	2.718	17.7	19.5
8 29	0 15.80	+30 24.2	1.916	2.706	15.9	19.3
9 8	0 8.36	+31 30.9	1.845	2.696	13.9	19.2
9 18	23 59.16	+32 9.0	1.795	2.686	12.2	19.0
9 28	23 49.16	+32 15.9	1.767	2.676	11.1	19.0
10 8	23 39.58	+31 53.0	1.763	2.667	11.3	19.0
10 18	23 31.52	+31 5.8	1.781	2.658	12.5	19.0
10 28	23 25.91	+30 2.9	1.822	2.650	14.4	19.1

330620 2008 EC_{10} 9 21.6 280°.56 3°.8/18.2 18

8 19	0 18.42	− 5 21.0	1.450	2.343	14.9	20.8
8 29	0 14.14	− 6 38.7	1.372	2.323	10.9	20.5
9 8	0 7.40	− 8 8.0	1.316	2.303	6.6	20.2
9 18	23 58.89	− 9 40.1	1.285	2.283	3.8	20.0
9 28	23 49.71	−11 4.3	1.280	2.263	6.5	20.1
10 8	23 41.18	−12 10.5	1.300	2.243	11.1	20.3
10 18	23 34.46	−12 52.3	1.343	2.223	15.6	20.5
10 28	23 30.43	−13 7.1	1.405	2.202	19.4	20.7

239446 2007 TA_{186} 9 21.6 359°.20 3°.5/18.7 18

8 19	0 17.51	− 6 33.6	1.475	2.370	14.5	19.6
8 29	0 13.17	− 7 21.2	1.416	2.368	10.6	19.4
9 8	0 6.62	− 8 14.9	1.380	2.367	6.4	19.2
9 18	23 58.62	− 9 7.4	1.368	2.367	3.5	19.0
9 28	23 50.28	− 9 50.6	1.381	2.367	5.8	19.1
10 8	23 42.77	−10 18.1	1.420	2.367	9.9	19.4
10 18	23 37.07	−10 26.3	1.482	2.369	13.9	19.6
10 28	23 33.85	−10 14.0	1.563	2.371	17.3	19.9

264332 1999 VJ_{61} 9 21.6 8°.17 3°.4/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 14.59	− 5 8.3	0.844	1.768	19.4	19.2
8 29	0 12.02	− 5 33.6	0.803	1.769	14.2	18.9
9 8	0 6.32	− 6 8.5	0.780	1.772	8.4	18.6
9 18	23 58.57	− 6 44.1	0.775	1.778	3.5	18.3
9 28	23 50.44	− 7 9.8	0.792	1.785	6.4	18.5
10 8	23 43.68	− 7 17.5	0.829	1.795	12.1	18.9
10 18	23 39.54	− 7 3.2	0.885	1.807	17.3	19.2
10 28	23 38.75	− 6 26.5	0.958	1.820	21.6	19.6

260323 2004 TD_{162} 9 21.6 320°.08 1°.3/20.4 18

8 19	0 15.78	− 1 59.5	1.891	2.769	12.6	20.6
8 29	0 11.62	− 2 31.7	1.811	2.754	9.3	20.4
9 8	0 5.62	− 3 12.8	1.753	2.739	5.4	20.1
9 18	23 58.36	− 3 58.5	1.721	2.724	1.6	19.9
9 28	23 50.68	− 4 42.9	1.717	2.710	3.6	20.0
10 8	23 43.52	− 5 20.0	1.740	2.697	7.6	20.2
10 18	23 37.73	− 5 45.3	1.788	2.683	11.4	20.4
10 28	23 33.95	− 5 55.5	1.858	2.670	14.7	20.6

154151 2002 GQ_{3} 9 21.6 76°.73 5°.7/15.9 18

8 19	0 21.71	−17 50.4	2.209	3.086	11.1	20.2
8 29	0 15.38	−18 33.6	2.174	3.108	8.5	20.0
9 8	0 7.51	−19 10.9	2.164	3.130	6.3	19.9
9 18	23 58.80	−19 36.9	2.181	3.152	5.7	19.9
9 28	23 50.07	−19 47.3	2.226	3.173	7.1	20.1
10 8	23 42.17	−19 40.1	2.298	3.195	9.3	20.2
10 18	23 35.74	−19 15.4	2.394	3.216	11.6	20.4
10 28	23 31.23	−18 34.6	2.511	3.237	13.7	20.6

440895 2006 UL_{170} 9 21.6 266°.62 1°.7/19.8 18

8 19	0 17.11	− 2 56.4	1.982	2.858	12.2	21.8
8 29	0 12.42	− 3 40.5	1.913	2.855	8.9	21.6
9 8	0 6.00	− 4 32.5	1.867	2.853	5.2	21.4
9 18	23 58.45	− 5 27.3	1.848	2.850	1.9	21.1
9 28	23 50.59	− 6 18.8	1.857	2.847	3.8	21.3
10 8	23 43.33	− 7 1.2	1.894	2.845	7.6	21.5
10 18	23 37.43	− 7 30.5	1.956	2.842	11.1	21.7
10 28	23 33.48	− 7 44.0	2.040	2.840	14.1	21.9

334149 2001 RH_{128} 9 21.6 338°.52 3°.6/19.0 18

8 19	0 14.02	− 4 54.8	1.082	1.995	17.1	19.5
8 29	0 11.40	− 5 41.8	1.016	1.977	12.6	19.2
9 8	0 5.98	− 6 40.6	0.969	1.960	7.5	18.8
9 18	23 58.53	− 7 42.4	0.944	1.945	3.6	18.6
9 28	23 50.41	− 8 36.2	0.941	1.931	6.6	18.7
10 8	23 43.15	− 9 11.9	0.961	1.919	11.9	19.0
10 18	23 38.09	− 9 23.2	1.000	1.909	17.0	19.2
10 28	23 36.14	− 9 7.8	1.057	1.900	21.4	19.5

356482 2011 RT_{1} 9 21.6 339°.43 1°.0/22.6 18

8 19	0 14.72	+ 5 19.2	1.555	2.424	15.4	20.9
8 29	0 11.14	+ 4 43.7	1.482	2.416	11.6	20.7
9 8	0 5.45	+ 3 49.9	1.430	2.410	7.2	20.4
9 18	23 58.34	+ 2 42.0	1.402	2.404	2.5	20.1
9 28	23 50.78	+ 1 27.1	1.400	2.398	2.9	20.1
10 8	23 43.89	+ 0 14.1	1.425	2.393	7.6	20.4
10 18	23 38.63	− 0 49.1	1.474	2.389	12.1	20.7
10 28	23 35.70	− 1 36.3	1.544	2.385	15.8	20.9

365773 2010 XU_{49} 9 21.6 307°.47 4°.9/16.1 18

8 19	0 15.31	−11 40.6	1.977	2.868	11.6	20.4
8 29	0 11.20	−12 54.8	1.908	2.856	8.6	20.2
9 8	0 5.33	−14 10.9	1.864	2.844	5.9	20.0
9 18	23 58.28	−15 21.8	1.846	2.832	4.9	19.9
9 28	23 50.89	−16 20.1	1.856	2.820	6.8	20.0
10 8	23 44.05	−17 0.1	1.891	2.808	9.9	20.2
10 18	23 38.55	−17 18.9	1.950	2.797	12.9	20.3
10 28	23 35.00	−17 15.9	2.030	2.786	15.6	20.5

188786 2005 VQ_{42} 9 21.6 285°.79 5°.8/15.1 18

8 19	0 17.70	−16 20.5	2.105	2.991	11.2	20.0
8 29	0 12.81	−17 24.8	2.044	2.984	8.6	19.8
9 8	0 6.21	−18 26.1	2.008	2.977	6.4	19.7
9 18	23 58.51	−19 17.9	1.998	2.970	5.9	19.6
9 28	23 50.53	−19 53.8	2.015	2.964	7.6	19.7
10 8	23 43.16	−20 10.0	2.058	2.957	10.1	19.9
10 18	23 37.14	−20 5.0	2.124	2.950	12.8	20.0
10 28	23 33.06	−19 39.7	2.211	2.943	15.1	20.2

295531 2008 RK_{125} 9 21.6 295°.85 0°.2/21.9 16

8 19	0 9.42	+ 2 12.5	4.201	5.047	6.9	20.6
8 29	0 6.07	+ 1 46.5	4.113	5.039	5.1	20.5
9 8	0 1.95	+ 1 14.9	4.052	5.030	3.1	20.4
9 18	23 57.34	+ 0 39.6	4.019	5.022	0.9	20.2
9 28	23 52.58	+ 0 2.8	4.017	5.013	1.4	20.2
10 8	23 48.05	− 0 32.9	4.045	5.005	3.5	20.4
10 18	23 44.07	− 1 5.1	4.101	4.997	5.5	20.5
10 28	23 40.95	− 1 31.7	4.184	4.988	7.3	20.6

214012 2004 CH_{73} 9 21.6 213°.00 3°.5/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 19.16	− 9 41.1	2.316	3.192	10.7	20.8
8 29	0 13.73	−10 30.1	2.245	3.186	7.8	20.6
9 8	0 6.71	−11 21.2	2.199	3.180	5.0	20.4
9 18	23 58.65	−12 8.9	2.181	3.173	3.5	20.3
9 28	23 50.31	−12 48.0	2.192	3.166	5.1	20.4
10 8	23 42.50	−13 14.2	2.231	3.158	8.0	20.6
10 18	23 35.92	−13 24.9	2.296	3.150	10.9	20.8
10 28	23 31.13	−13 19.4	2.383	3.142	13.5	20.9

381720 2009 QX_{52} 9 21.6 333°.46 0°.6/21.1 18

8 19	0 14.48	+ 1 52.4	1.201	2.094	17.3	20.8
8 29	0 11.50	+ 1 4.6	1.132	2.082	12.8	20.5
9 8	0 5.94	− 0 2.9	1.082	2.070	7.6	20.2
9 18	23 58.53	− 1 23.6	1.056	2.059	2.0	19.8
9 28	23 50.52	− 2 47.2	1.053	2.049	4.1	19.9
10 8	23 43.31	− 4 2.2	1.074	2.040	9.8	20.2
10 18	23 38.13	− 4 59.3	1.117	2.032	15.0	20.5
10 28	23 35.81	− 5 32.7	1.178	2.025	19.4	20.8

19736 2000 AM_{51} 9 21.6 235°.30 3°.9/26.3 18

8 19	0 15.91	+14 23.9	2.353	3.156	13.0	18.0
8 29	0 11.42	+14 18.2	2.267	3.152	10.4	17.8
9 8	0 5.38	+13 55.3	2.203	3.148	7.6	17.7
9 18	23 58.31	+13 15.9	2.165	3.145	4.9	17.5
9 28	23 50.92	+12 23.0	2.155	3.141	3.9	17.4
10 8	23 43.98	+11 21.7	2.173	3.137	5.8	17.5
10 18	23 38.18	+10 17.7	2.218	3.133	8.6	17.7
10 28	23 34.10	+ 9 17.0	2.288	3.129	11.4	17.9

517092 2013 CH_{180} 9 21.6 239°.23 5°.7/14.0 18

8 19	0 16.32	−14 9.7	2.186	3.073	10.8	22.1
8 29	0 11.84	−15 58.0	2.119	3.061	8.2	21.9
9 8	0 5.68	−17 47.3	2.078	3.050	6.1	21.8
9 18	23 58.40	−19 29.2	2.066	3.037	5.9	21.8
9 28	23 50.76	−20 55.8	2.082	3.025	7.7	21.8
10 8	23 43.61	−22 1.0	2.124	3.012	10.4	22.0
10 18	23 37.71	−22 42.1	2.190	2.999	13.0	22.1
10 28	23 33.64	−22 58.6	2.275	2.985	15.3	22.3

189395 2008 HL_{57} 9 21.6 93°.55 5°.0/15.4 18

8 19	0 16.41	−13 52.9	2.227	3.113	10.7	20.3
8 29	0 11.66	−15 12.5	2.184	3.127	8.0	20.1
9 8	0 5.43	−16 30.3	2.166	3.140	5.7	20.0
9 18	23 58.29	−17 39.8	2.176	3.153	5.1	20.0
9 28	23 51.02	−18 34.9	2.213	3.166	6.7	20.1
10 8	23 44.39	−19 11.6	2.277	3.179	9.2	20.3
10 18	23 39.02	−19 28.2	2.365	3.191	11.6	20.5
10 28	23 35.40	−19 25.2	2.474	3.204	13.8	20.7

367311 2007 YY_{19} 9 21.6 333°.79 0°.8/21.1 18

8 19	0 14.62	+ 1 14.7	1.052	1.953	18.5	20.3
8 29	0 11.92	+ 0 36.3	0.985	1.939	13.7	20.0
9 8	0 6.34	− 0 22.4	0.936	1.925	8.2	19.7
9 18	23 58.67	− 1 34.8	0.909	1.913	2.1	19.2
9 28	23 50.28	− 2 50.1	0.905	1.901	4.5	19.4
10 8	23 42.79	− 3 56.2	0.923	1.891	10.7	19.7
10 18	23 37.55	− 4 43.3	0.961	1.882	16.2	20.0
10 28	23 35.51	− 5 5.5	1.017	1.875	21.0	20.2

186283 2002 AT_{155} 9 21.6 156°.24 3°.5/16.6 18

8 19	0 15.26	− 9 25.4	2.548	3.428	9.7	20.4
8 29	0 10.72	−10 46.9	2.489	3.433	7.1	20.3
9 8	0 4.86	−12 10.8	2.457	3.438	4.6	20.1
9 18	23 58.17	−13 31.2	2.454	3.443	3.6	20.1
9 28	23 51.28	−14 42.2	2.480	3.447	5.2	20.2
10 8	23 44.87	−15 39.1	2.534	3.451	7.7	20.4
10 18	23 39.52	−16 19.1	2.614	3.454	10.2	20.5
10 28	23 35.70	−16 41.1	2.717	3.458	12.4	20.7

425637 2010 VJ_{144} 9 21.6 173°.21 0°.1/21.7 17

8 19	0 18.67	+ 3 55.8	1.506	2.375	15.8	21.2
8 29	0 14.05	+ 3 1.0	1.439	2.376	11.7	21.0
9 8	0 7.20	+ 1 47.9	1.394	2.376	7.1	20.7
9 18	23 58.85	+ 0 22.5	1.374	2.377	2.0	20.4
9 28	23 50.10	− 1 6.4	1.381	2.377	3.3	20.5
10 8	23 42.15	− 2 29.1	1.414	2.378	8.3	20.8
10 18	23 36.00	− 3 37.5	1.472	2.378	12.7	21.1
10 28	23 32.33	− 4 26.1	1.551	2.377	16.5	21.3

347943 2003 GF_{57} 9 21.6 191°.10 1°.4/18.7 18

8 19	0 10.80	− 7 42.6	4.655	5.523	5.9	20.4
8 29	0 6.97	− 8 4.7	4.584	5.522	4.2	20.3
9 8	0 2.45	− 8 28.0	4.539	5.522	2.5	20.2
9 18	23 57.50	− 8 50.4	4.524	5.521	1.4	20.1
9 28	23 52.44	− 9 10.0	4.539	5.520	2.3	20.2
10 8	23 47.62	− 9 24.7	4.584	5.519	4.0	20.3
10 18	23 43.33	− 9 33.4	4.657	5.518	5.7	20.4
10 28	23 39.84	− 9 34.9	4.755	5.517	7.1	20.5

118616 2000 GV_{159} 9 21.6 261°.45 3°.0/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 19.86	+ 9 24.3	1.726	2.565	15.5	20.1
8 29	0 14.95	+ 9 15.4	1.635	2.548	12.1	19.8
9 8	0 7.81	+ 8 47.1	1.565	2.531	8.2	19.6
9 18	23 59.05	+ 8 0.9	1.519	2.514	4.3	19.3
9 28	23 49.66	+ 7 1.2	1.501	2.496	3.5	19.2
10 8	23 40.78	+ 5 55.1	1.509	2.478	7.3	19.4
10 18	23 33.47	+ 4 50.5	1.544	2.459	11.6	19.6
10 28	23 28.55	+ 3 55.1	1.600	2.440	15.5	19.8

144012 2004 BM_{3} 9 21.6 148°.08 3°.0/24.2 18

8 19	0 22.28	+ 8 45.5	1.655	2.495	16.0	19.7
8 29	0 16.57	+ 8 47.0	1.585	2.499	12.4	19.5
9 8	0 8.64	+ 8 30.3	1.537	2.504	8.3	19.3
9 18	23 59.24	+ 7 57.3	1.513	2.508	4.3	19.1
9 28	23 49.44	+ 7 12.3	1.517	2.512	3.5	19.0
10 8	23 40.42	+ 6 22.3	1.548	2.515	7.2	19.3
10 18	23 33.17	+ 5 34.2	1.604	2.518	11.3	19.5
10 28	23 28.39	+ 4 54.6	1.683	2.521	14.9	19.8

225359 1998 WJ_{24} 9 21.6 273°.14 0°.8/20.1 18

8 19	0 10.70	− 3 29.0	4.287	5.148	6.5	20.7
8 29	0 6.97	− 3 50.6	4.206	5.142	4.7	20.6
9 8	0 2.49	− 4 15.2	4.152	5.136	2.7	20.4
9 18	23 57.52	− 4 40.9	4.127	5.130	0.9	20.3
9 28	23 52.42	− 5 5.3	4.133	5.123	1.9	20.4
10 8	23 47.55	− 5 26.4	4.168	5.117	3.9	20.5
10 18	23 43.24	− 5 42.3	4.232	5.111	5.8	20.6
10 28	23 39.80	− 5 51.6	4.321	5.105	7.5	20.8

516042 2015 TS_{123} 9 21.6 303°.93 1°.8/19.5 18

8 19	0 14.20	− 2 29.9	2.151	3.027	11.4	20.6
8 29	0 10.22	− 3 33.2	2.078	3.022	8.3	20.4
9 8	0 4.70	− 4 45.0	2.031	3.017	4.8	20.1
9 18	23 58.15	− 6 0.1	2.010	3.012	1.9	19.9
9 28	23 51.32	− 7 11.8	2.018	3.007	3.8	20.1
10 8	23 44.99	− 8 14.2	2.054	3.002	7.3	20.3
10 18	23 39.84	− 9 2.4	2.116	2.997	10.6	20.5
10 28	23 36.43	− 9 33.7	2.200	2.992	13.4	20.7

28582 2000 EB_{106} 9 21.6 204°.49 2°.5/18.6 18

8 19	0 15.86	− 3 52.8	2.078	2.956	11.7	18.6
8 29	0 11.47	− 5 12.8	2.009	2.954	8.4	18.3
9 8	0 5.45	− 6 41.0	1.965	2.951	4.9	18.1
9 18	23 58.36	− 8 11.0	1.949	2.948	2.5	18.0
9 28	23 50.97	− 9 35.3	1.962	2.945	4.5	18.1
10 8	23 44.13	−10 47.0	2.002	2.942	8.0	18.3
10 18	23 38.56	−11 41.6	2.069	2.939	11.3	18.5
10 28	23 34.82	−12 16.5	2.157	2.935	14.1	18.7

404772 2014 JP_{43} 9 21.6 22°.93 12°.5/ 9.8 16

8 19	0 18.97	−30 47.4	1.495	2.376	15.2	19.3
8 29	0 14.21	−32 20.5	1.479	2.389	13.4	19.2
9 8	0 7.15	−33 32.3	1.483	2.403	12.5	19.2
9 18	23 58.78	−34 13.5	1.509	2.417	12.9	19.3
9 28	23 50.39	−34 18.6	1.556	2.433	14.3	19.4
10 8	23 43.21	−33 47.5	1.623	2.449	16.2	19.6
10 18	23 38.11	−32 44.2	1.708	2.467	18.1	19.8
10 28	23 35.61	−31 14.7	1.808	2.485	19.8	20.0

378142 2006 VR_{78} 9 21.6 321°.25 6°.4/16.8 18

8 19	0 19.17	−11 31.8	1.245	2.151	15.9	20.7
8 29	0 14.93	−12 38.8	1.183	2.138	11.9	20.4
9 8	0 7.97	−13 48.5	1.142	2.126	8.0	20.2
9 18	23 59.11	−14 50.5	1.124	2.114	6.4	20.1
9 28	23 49.68	−15 34.0	1.129	2.102	8.9	20.2
10 8	23 41.18	−15 51.5	1.158	2.091	13.1	20.4
10 18	23 34.84	−15 40.3	1.207	2.081	17.3	20.6
10 28	23 31.48	−15 1.6	1.273	2.072	21.0	20.8

516483 2005 UR_{120} 9 21.6 310°.12 1°.5/20.3 18

8 19	0 19.67	− 3 59.8	1.965	2.838	12.4	21.2
8 29	0 14.39	− 4 14.3	1.889	2.830	9.1	20.9
9 8	0 7.25	− 4 34.6	1.837	2.821	5.3	20.7
9 18	23 58.86	− 4 56.7	1.811	2.813	1.8	20.5
9 28	23 50.12	− 5 15.9	1.813	2.805	3.6	20.6
10 8	23 41.96	− 5 27.6	1.843	2.797	7.5	20.8
10 18	23 35.22	− 5 28.8	1.899	2.789	11.1	21.0
10 28	23 30.53	− 5 17.4	1.977	2.782	14.3	21.2

471992 2013 WK_{1} 9 21.6 316°.12 3°.8/18.5 18

8 19	0 16.13	− 5 0.5	1.245	2.148	16.1	20.6
8 29	0 12.76	− 6 7.8	1.172	2.128	11.8	20.3
9 8	0 6.75	− 7 27.6	1.119	2.109	7.1	20.0
9 18	23 58.81	− 8 51.0	1.090	2.090	3.9	19.7
9 28	23 50.16	−10 6.3	1.085	2.071	6.7	19.9
10 8	23 42.26	−11 3.0	1.103	2.054	11.7	20.1
10 18	23 36.37	−11 34.2	1.143	2.037	16.6	20.3
10 28	23 33.38	−11 37.2	1.200	2.021	20.7	20.5

210479 1995 XE_5 9 21.6 263°.17 3°.1/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.74	− 6 23.0	1.977	2.857	12.1	21.0
8 29	0 13.81	− 7 20.4	1.894	2.838	8.9	20.8
9 8	0 6.98	− 8 24.4	1.834	2.819	5.4	20.5
9 18	23 58.82	− 9 28.9	1.801	2.799	3.1	20.3
9 28	23 50.19	−10 27.0	1.797	2.779	5.1	20.4
10 8	23 42.05	−11 12.3	1.819	2.758	8.8	20.6
10 18	23 35.28	−11 40.5	1.867	2.737	12.3	20.8
10 28	23 30.55	−11 49.6	1.937	2.716	15.4	21.0

265537 2005 NO_{79} 9 21.6 5°.82 2°.0/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.26	+ 2 38.5	0.931	1.833	20.3	19.0
8 29	0 13.95	+ 3 12.2	0.881	1.832	15.3	18.7
9 8	0 7.54	+ 3 28.6	0.848	1.833	9.6	18.4
9 18	23 59.01	+ 3 29.8	0.835	1.837	3.7	18.1
9 28	23 49.97	+ 3 21.4	0.844	1.842	3.9	18.1
10 8	23 42.15	+ 3 11.0	0.874	1.850	9.8	18.5
10 18	23 36.93	+ 3 5.8	0.925	1.859	15.2	18.8
10 28	23 35.10	+ 3 11.6	0.994	1.870	19.7	19.1

446206 2013 GJ_{17} 9 21.6 98°.14 2°.3/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.11	− 4 3.2	2.163	3.041	11.3	20.8
8 29	0 10.80	− 5 15.8	2.104	3.049	8.1	20.6
9 8	0 4.99	− 6 35.1	2.071	3.056	4.7	20.4
9 18	23 58.23	− 7 55.2	2.064	3.064	2.4	20.3
9 28	23 51.28	− 9 9.4	2.087	3.072	4.2	20.4
10 8	23 44.90	−10 11.7	2.138	3.079	7.5	20.6
10 18	23 39.74	−10 58.3	2.214	3.086	10.6	20.8
10 28	23 36.31	−11 26.9	2.313	3.094	13.2	21.0

154406 2003 AX_{58} 9 21.6 253°.37 1°.4/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.02	+ 4 59.9	1.768	2.620	14.6	20.7
8 29	0 15.70	+ 4 49.1	1.681	2.606	11.1	20.5
9 8	0 8.21	+ 4 23.4	1.616	2.592	7.0	20.2
9 18	23 59.18	+ 3 45.4	1.577	2.578	2.7	19.9
9 28	23 49.57	+ 2 59.8	1.566	2.563	2.8	19.9
10 8	23 40.52	+ 2 13.1	1.582	2.548	7.3	20.2
10 18	23 33.03	+ 1 31.6	1.623	2.532	11.6	20.4
10 28	23 27.88	+ 1 0.9	1.688	2.516	15.3	20.6

480396 2015 KQ_{54} 9 21.6 15°.13 5°.7/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.23	−11 37.7	1.449	2.349	14.4	20.4
8 29	0 13.73	−12 46.6	1.399	2.351	10.7	20.2
9 8	0 6.98	−13 56.2	1.372	2.354	7.2	20.0
9 18	23 58.80	−14 57.6	1.369	2.357	5.8	19.9
9 28	23 50.34	−15 41.9	1.391	2.361	8.0	20.0
10 8	23 42.81	−16 3.4	1.437	2.365	11.5	20.3
10 18	23 37.15	−16 0.2	1.506	2.370	15.1	20.5
10 28	23 34.02	−15 33.1	1.593	2.375	18.1	20.7

284515 2007 RR_{45} 9 21.7 328°.77 2°.6/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.40	+ 7 43.3	1.667	2.517	15.4	21.0
8 29	0 13.78	+ 7 42.5	1.592	2.512	11.9	20.7
9 8	0 7.04	+ 7 24.5	1.537	2.508	7.9	20.5
9 18	23 58.85	+ 6 51.1	1.507	2.503	3.9	20.2
9 28	23 50.20	+ 6 6.9	1.503	2.499	3.3	20.2
10 8	23 42.20	+ 5 18.5	1.526	2.495	7.1	20.4
10 18	23 35.82	+ 4 32.8	1.574	2.492	11.3	20.7
10 28	23 31.78	+ 3 55.9	1.645	2.488	14.9	20.9

206554 2003 UG_{241} 9 21.7 332°.44 0°.2/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.89	+ 2 4.1	1.602	2.474	14.8	20.1
8 29	0 13.43	+ 1 42.9	1.530	2.468	11.0	19.9
9 8	0 6.84	+ 1 8.2	1.480	2.462	6.7	19.6
9 18	23 58.80	+ 0 24.0	1.454	2.457	1.9	19.3
9 28	23 50.32	− 0 23.6	1.455	2.452	3.0	19.4
10 8	23 42.53	− 1 7.5	1.483	2.448	7.8	19.7
10 18	23 36.40	− 1 41.6	1.535	2.444	12.1	19.9
10 28	23 32.64	− 2 1.7	1.608	2.440	15.8	20.1

129113 2004 XT_{63} 9 21.7 266°.34 0°.8/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.54	+ 3 53.7	2.365	3.214	11.5	20.5
8 29	0 11.85	+ 3 37.5	2.282	3.207	8.6	20.3
9 8	0 5.64	+ 3 10.8	2.224	3.200	5.3	20.1
9 18	23 58.44	+ 2 36.0	2.193	3.194	1.9	19.9
9 28	23 50.93	+ 1 57.0	2.190	3.187	2.2	19.9
10 8	23 43.86	+ 1 18.5	2.216	3.180	5.7	20.1
10 18	23 37.92	+ 0 44.6	2.269	3.173	8.9	20.3
10 28	23 33.63	+ 0 19.2	2.347	3.167	11.8	20.5

448610 2010 UT_{36} 9 21.7 337°.65 5°.1/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.79	+16 9.0	2.021	2.824	14.8	20.9
8 29	0 11.61	+16 16.3	1.938	2.820	12.1	20.7
9 8	0 5.65	+16 3.3	1.876	2.816	9.1	20.5
9 18	23 58.47	+15 30.0	1.838	2.812	6.3	20.4
9 28	23 50.89	+14 39.1	1.827	2.808	5.1	20.3
10 8	23 43.84	+13 36.3	1.842	2.805	6.7	20.4
10 18	23 38.11	+12 28.2	1.883	2.802	9.6	20.5
10 28	23 34.36	+11 22.4	1.949	2.800	12.6	20.7

223804 2004 TA_{43} 9 21.7 194°.17 0°.8/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 16.25	+ 4 19.3	2.499	3.344	11.1	21.3
8 29	0 11.53	+ 3 55.6	2.421	3.343	8.3	21.1
9 8	0 5.41	+ 3 21.4	2.366	3.342	5.1	20.9
9 18	23 58.38	+ 2 39.3	2.339	3.340	1.8	20.7
9 28	23 51.10	+ 1 53.3	2.342	3.339	2.1	20.7
10 8	23 44.26	+ 1 8.0	2.373	3.337	5.4	20.9
10 18	23 38.49	+ 0 27.6	2.432	3.335	8.5	21.1
10 28	23 34.28	− 0 4.1	2.516	3.333	11.2	21.3

473429 2015 VR_{143} 9 21.7 253°.36 6°.1/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.48	−19 15.3	2.449	3.329	10.1	21.1
8 29	0 12.54	−20 24.0	2.385	3.317	7.9	21.0
9 8	0 6.05	−21 28.4	2.347	3.305	6.4	20.8
9 18	23 58.57	−22 22.4	2.335	3.293	6.2	20.8
9 28	23 50.81	−23 0.3	2.350	3.281	7.7	20.9
10 8	23 43.54	−23 18.8	2.392	3.269	9.8	21.0
10 18	23 37.46	−23 16.7	2.457	3.256	12.1	21.1
10 28	23 33.10	−22 54.7	2.542	3.243	14.1	21.3

353683 2011 UH_{295} 9 21.7 4°.54 2°.1/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.57	+ 6 41.4	1.621	2.478	15.4	20.7
8 29	0 13.16	+ 6 35.1	1.552	2.478	11.8	20.4
9 8	0 6.66	+ 6 11.9	1.504	2.478	7.7	20.2
9 18	23 58.77	+ 5 34.5	1.481	2.479	3.4	20.0
9 28	23 50.48	+ 4 47.9	1.483	2.480	3.0	19.9
10 8	23 42.90	+ 3 59.0	1.512	2.482	7.2	20.2
10 18	23 36.98	+ 3 14.6	1.566	2.484	11.3	20.4
10 28	23 33.38	+ 2 40.5	1.642	2.486	14.9	20.7

266089 2006 SG_{33} 9 21.7 304°.84 4°.1/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.34	+ 9 11.7	1.378	2.230	17.9	20.1
8 29	0 16.47	+ 9 34.1	1.302	2.221	14.1	19.8
9 8	0 8.93	+ 9 36.4	1.244	2.212	9.7	19.5
9 18	23 59.46	+ 9 18.7	1.210	2.203	5.4	19.3
9 28	23 49.29	+ 8 44.6	1.201	2.194	4.5	19.2
10 8	23 39.87	+ 8 1.2	1.216	2.186	8.4	19.4
10 18	23 32.44	+ 7 16.6	1.255	2.178	13.1	19.6
10 28	23 27.93	+ 6 39.2	1.316	2.170	17.2	19.9

223441 2003 SP_{295} 9 21.7 298°.73 3°.2/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.32	+12 4.9	2.207	3.028	13.1	19.9
8 29	0 10.47	+11 45.4	2.108	3.008	10.4	19.7
9 8	0 4.98	+11 7.8	2.032	2.989	7.3	19.4
9 18	23 58.33	+10 13.6	1.980	2.969	4.3	19.2
9 28	23 51.24	+ 9 6.4	1.957	2.949	3.3	19.1
10 8	23 44.53	+ 7 52.0	1.961	2.929	5.9	19.3
10 18	23 38.96	+ 6 37.2	1.993	2.910	9.3	19.4
10 28	23 35.17	+ 5 28.6	2.049	2.891	12.5	19.6

155248 2005 WN_{46} 9 21.7 270°.26 2°.6/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.63	− 4 52.8	2.232	3.111	10.9	20.0
8 29	0 10.57	− 6 7.6	2.153	3.098	7.9	19.8
9 8	0 4.96	− 7 29.9	2.100	3.085	4.7	19.6
9 18	23 58.31	− 8 53.7	2.074	3.072	2.6	19.4
9 28	23 51.32	−10 12.3	2.077	3.059	4.5	19.5
10 8	23 44.77	−11 19.4	2.109	3.046	7.8	19.7
10 18	23 39.36	−12 10.4	2.166	3.033	11.0	19.9
10 28	23 35.66	−12 42.7	2.245	3.020	13.7	20.0

452642 2005 UH_{85} 9 21.7 17°.24 6°.2/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.75	−15 32.4	1.624	2.516	13.6	20.2
8 29	0 15.34	−16 11.1	1.576	2.521	10.3	20.1
9 8	0 7.85	−16 45.3	1.551	2.526	7.3	19.9
9 18	23 59.07	−17 8.0	1.551	2.532	6.2	19.9
9 28	23 50.11	−17 13.2	1.576	2.539	7.9	20.0
10 8	23 42.10	−16 57.8	1.627	2.547	11.0	20.2
10 18	23 35.90	−16 21.7	1.700	2.555	14.1	20.4
10 28	23 32.11	−15 26.8	1.794	2.564	16.8	20.6

174678 2003 SB_{303} 9 21.7 257°.60 3°.6/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.63	+10 32.4	1.464	2.310	17.4	20.4
8 29	0 15.00	+10 23.6	1.389	2.305	13.7	20.1
9 8	0 7.94	+ 9 51.8	1.334	2.300	9.4	19.9
9 18	23 59.17	+ 8 58.7	1.302	2.296	5.1	19.6
9 28	23 49.86	+ 7 49.8	1.296	2.291	4.0	19.5
10 8	23 41.29	+ 6 34.0	1.316	2.286	7.9	19.7
10 18	23 34.59	+ 5 20.7	1.360	2.281	12.4	20.0
10 28	23 30.56	+ 4 18.6	1.426	2.276	16.4	20.2

478768 2012 UR_{120} 9 21.7 344°.65 7°.6/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.82	−19 11.2	1.553	2.437	14.6	20.7
8 29	0 20.00	−19 41.6	1.497	2.434	11.4	20.5
9 8	0 10.71	−20 3.4	1.464	2.431	8.6	20.3
9 18	23 59.87	−20 8.7	1.455	2.428	7.6	20.3
9 28	23 48.77	−19 51.6	1.472	2.426	9.3	20.4
10 8	23 38.74	−19 9.9	1.514	2.424	12.4	20.6
10 18	23 30.83	−18 5.3	1.579	2.423	15.6	20.8
10 28	23 25.73	−16 41.4	1.663	2.421	18.4	21.0

517999 2015 UD_{79} 9 21.7 324°.99 11°.0/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 19.54	−32 4.3	1.965	2.828	12.9	20.3
8 29	0 14.48	−33 33.5	1.924	2.819	11.6	20.2
9 8	0 7.38	−34 46.6	1.906	2.810	11.0	20.1
9 18	23 58.97	−35 35.3	1.911	2.802	11.5	20.2
9 28	23 50.29	−35 53.4	1.938	2.793	12.9	20.2
10 8	23 42.44	−35 39.1	1.987	2.786	14.7	20.3
10 18	23 36.29	−34 54.3	2.054	2.778	16.5	20.5
10 28	23 32.46	−33 43.0	2.137	2.771	18.1	20.6

5012 Eurymedon 9 21.7 349°.64 0°.8/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.68	− 3 9.4	3.959	4.821	6.9	17.4
8 29	0 7.04	− 3 32.8	3.883	4.819	5.0	17.3
9 8	0 2.59	− 3 59.5	3.834	4.818	2.9	17.1
9 18	23 57.64	− 4 27.5	3.814	4.816	0.9	17.0
9 28	23 52.55	− 4 54.3	3.824	4.815	2.0	17.1
10 8	23 47.72	− 5 17.5	3.863	4.814	4.1	17.2
10 18	23 43.50	− 5 35.1	3.931	4.813	6.1	17.4
10 28	23 40.21	− 5 45.5	4.024	4.812	7.9	17.5

57430 2001 SJ_{38} 9 21.7 181°.00 1°.7/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.85	− 2 47.4	1.874	2.745	13.0	19.0
8 29	0 15.29	− 3 30.7	1.806	2.746	9.5	18.8
9 8	0 7.82	− 4 22.3	1.762	2.747	5.5	18.6
9 18	23 59.10	− 5 16.9	1.745	2.747	2.0	18.3
9 28	23 50.06	− 6 8.0	1.756	2.747	3.9	18.5
10 8	23 41.70	− 6 49.5	1.795	2.746	7.9	18.7
10 18	23 34.87	− 7 17.2	1.859	2.744	11.6	18.9
10 28	23 30.19	− 7 28.8	1.946	2.743	14.8	19.2

324223 2006 BG_{61} 9 21.7 325°.66 7°.5/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.11	−22 3.9	2.099	2.980	11.5	19.8
8 29	0 13.89	−23 7.6	2.048	2.976	9.3	19.6
9 8	0 6.92	−24 3.4	2.020	2.972	7.7	19.5
9 18	23 58.84	−24 44.3	2.018	2.968	7.7	19.5
9 28	23 50.54	−25 4.8	2.042	2.965	9.1	19.6
10 8	23 42.93	−25 1.9	2.090	2.961	11.3	19.8
10 18	23 36.78	−24 35.9	2.161	2.958	13.6	19.9
10 28	23 32.64	−23 48.6	2.252	2.955	15.6	20.1

305943 2009 HK_{13} 9 21.7 203°.65 1°.0/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.23	− 1 38.5	1.923	2.793	12.8	21.1
8 29	0 14.07	− 2 5.6	1.854	2.793	9.4	20.9
9 8	0 7.09	− 2 41.0	1.809	2.793	5.5	20.7
9 18	23 58.91	− 3 20.5	1.789	2.792	1.6	20.4
9 28	23 50.42	− 3 58.6	1.798	2.792	3.3	20.5
10 8	23 42.57	− 4 29.9	1.835	2.791	7.3	20.8
10 18	23 36.16	− 4 50.5	1.897	2.791	11.0	21.0
10 28	23 31.81	− 4 57.5	1.982	2.790	14.1	21.2

220342 2003 GP_{27} 9 21.7 269°.26 0°.1/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.35	+ 0 35.3	4.317	5.166	6.7	20.6
8 29	0 6.76	+ 0 15.2	4.234	5.162	4.9	20.5
9 8	0 2.42	− 0 9.4	4.177	5.157	2.9	20.4
9 18	23 57.60	− 0 36.9	4.149	5.152	0.8	20.2
9 28	23 52.65	− 1 5.0	4.152	5.147	1.4	20.2
10 8	23 47.93	− 1 31.6	4.184	5.143	3.5	20.4
10 18	23 43.75	− 1 54.5	4.246	5.138	5.4	20.5
10 28	23 40.43	− 2 12.1	4.333	5.133	7.2	20.7

434000 2000 SZ_{223} 9 21.7 4°.35 2°.0/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.92	− 4 46.9	1.335	2.224	16.1	20.2
8 29	0 17.42	− 4 47.3	1.275	2.224	11.9	20.0
9 8	0 9.34	− 4 54.0	1.237	2.224	7.0	19.7
9 18	23 59.55	− 5 1.8	1.222	2.225	2.4	19.4
9 28	23 49.36	− 5 5.0	1.233	2.226	4.6	19.6
10 8	23 40.18	− 4 58.5	1.269	2.229	9.5	19.9
10 18	23 33.13	− 4 39.6	1.328	2.232	14.0	20.2
10 28	23 28.96	− 4 6.6	1.408	2.236	17.8	20.4

506287 2017 BQ_{18} 9 21.7 237°.84 4°.6/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.88	−14 21.8	2.626	3.507	9.4	21.7
8 29	0 11.29	−15 35.5	2.556	3.495	7.1	21.6
9 8	0 5.31	−16 48.6	2.512	3.484	5.2	21.4
9 18	23 58.42	−17 55.7	2.497	3.472	4.7	21.4
9 28	23 51.25	−18 51.1	2.510	3.459	6.2	21.5
10 8	23 44.50	−19 30.7	2.550	3.447	8.5	21.6
10 18	23 38.78	−19 52.2	2.615	3.434	10.9	21.7
10 28	23 34.60	−19 55.3	2.702	3.421	12.9	21.9

188832 2006 AZ_{77} 9 21.7 15°.29 0°.6/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.08	+ 0 21.7	1.720	2.597	13.7	19.7
8 29	0 11.16	− 0 14.3	1.659	2.602	10.0	19.5
9 8	0 5.39	− 1 1.6	1.622	2.607	5.9	19.3
9 18	23 58.45	− 1 55.1	1.609	2.613	1.5	19.0
9 28	23 51.24	− 2 48.5	1.624	2.619	3.2	19.2
10 8	23 44.72	− 3 35.0	1.665	2.626	7.4	19.4
10 18	23 39.70	− 4 9.7	1.731	2.634	11.3	19.7
10 28	23 36.76	− 4 29.1	1.818	2.643	14.5	19.9

426062 2012 BC_{92} 9 21.7 170°.66 1°.8/20.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 21.50	− 1 34.8	1.581	2.457	14.8	22.3
8 29	0 16.06	− 2 30.4	1.517	2.459	10.8	22.0
9 8	0 8.40	− 3 37.5	1.476	2.462	6.3	21.8
9 18	23 59.29	− 4 49.4	1.461	2.464	2.1	21.5
9 28	23 49.82	− 5 57.8	1.473	2.465	4.3	21.7
10 8	23 41.17	− 6 54.6	1.512	2.466	8.9	22.0
10 18	23 34.31	− 7 34.3	1.576	2.466	13.0	22.2
10 28	23 29.94	− 7 54.2	1.661	2.466	16.5	22.4

73895 1997 EE_{35} 9 21.7 247°.09 2°.9/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.37	− 4 2.3	1.653	2.535	13.9	19.9
8 29	0 14.58	− 5 13.5	1.577	2.523	10.2	19.7
9 8	0 7.60	− 6 35.3	1.524	2.510	6.0	19.4
9 18	23 59.10	− 8 0.4	1.497	2.497	3.0	19.2
9 28	23 50.09	− 9 19.6	1.498	2.484	5.3	19.3
10 8	23 41.72	−10 24.4	1.525	2.470	9.6	19.5
10 18	23 34.98	−11 9.1	1.577	2.456	13.7	19.7
10 28	23 30.63	−11 30.9	1.649	2.441	17.2	19.9

58842 1998 HP_{55} 9 21.7 220°.34 0°.1/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.19	+ 2 43.9	1.881	2.742	13.5	19.7
8 29	0 13.41	+ 2 2.6	1.805	2.738	10.0	19.5
9 8	0 6.76	+ 1 7.7	1.752	2.733	6.0	19.3
9 18	23 58.84	+ 0 3.6	1.725	2.728	1.7	19.0
9 28	23 50.56	− 1 3.2	1.727	2.723	2.8	19.1
10 8	23 42.86	− 2 5.9	1.756	2.718	7.1	19.3
10 18	23 36.59	− 2 58.3	1.811	2.712	11.0	19.5
10 28	23 32.41	− 3 36.0	1.889	2.706	14.4	19.8

249520 Luppino 9 21.7 287°.60 0°.4/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.44	+ 2 1.0	2.538	3.390	10.7	20.9
8 29	0 11.74	+ 1 49.0	2.449	3.377	8.0	20.7
9 8	0 5.61	+ 1 28.5	2.386	3.364	4.8	20.5
9 18	23 58.52	+ 1 1.8	2.349	3.351	1.5	20.3
9 28	23 51.11	+ 0 32.4	2.342	3.339	2.1	20.3
10 8	23 44.08	+ 0 4.3	2.364	3.326	5.5	20.5
10 18	23 38.07	− 0 18.8	2.413	3.313	8.6	20.7
10 28	23 33.62	− 0 34.0	2.486	3.301	11.4	20.9

317343 2002 JA_{137} 9 21.7 31°.01 3°.7/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.13	+13 29.5	2.133	2.948	13.7	20.1
8 29	0 10.98	+13 15.8	2.057	2.951	10.9	19.9
9 8	0 5.23	+12 43.5	2.003	2.954	7.8	19.7
9 18	23 58.41	+11 54.3	1.973	2.957	4.8	19.5
9 28	23 51.32	+10 51.9	1.971	2.961	3.7	19.5
10 8	23 44.75	+ 9 42.4	1.997	2.964	5.9	19.6
10 18	23 39.43	+ 8 32.3	2.050	2.968	9.0	19.8
10 28	23 35.92	+ 7 27.9	2.127	2.972	11.9	20.0

511831 2015 FU_{302} 9 21.7 54°.26 5°.7/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.27	−11 2.7	1.478	2.377	14.3	20.4
8 29	0 13.59	−12 32.9	1.444	2.395	10.5	20.3
9 8	0 6.83	−14 3.2	1.432	2.414	7.0	20.1
9 18	23 58.83	−15 23.8	1.446	2.433	5.8	20.1
9 28	23 50.73	−16 25.8	1.485	2.452	7.9	20.3
10 8	23 43.63	−17 3.5	1.549	2.471	11.3	20.5
10 18	23 38.37	−17 15.3	1.635	2.491	14.5	20.8
10 28	23 35.49	−17 2.6	1.741	2.511	17.3	21.0

370629 2003 YL_{107} 9 21.7 265°.22 4°.0/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.94	+11 32.0	1.595	2.429	16.7	20.6
8 29	0 15.22	+11 30.5	1.507	2.415	13.3	20.4
9 8	0 8.12	+11 7.0	1.439	2.400	9.3	20.1
9 18	23 59.29	+10 21.9	1.395	2.385	5.4	19.9
9 28	23 49.78	+ 9 19.5	1.377	2.370	4.3	19.8
10 8	23 40.84	+ 8 7.3	1.385	2.354	7.7	19.9
10 18	23 33.61	+ 6 54.5	1.419	2.339	12.1	20.1
10 28	23 28.94	+ 5 49.8	1.474	2.323	16.1	20.3

446248 2013 HW_{48} 9 21.7 262°.05 0°.9/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.32	+ 4 6.4	2.168	3.018	12.3	22.1
8 29	0 12.54	+ 3 49.3	2.092	3.017	9.2	21.9
9 8	0 6.14	+ 3 20.7	2.039	3.016	5.7	21.7
9 18	23 58.67	+ 2 43.4	2.013	3.014	2.0	21.5
9 28	23 50.91	+ 2 1.6	2.016	3.013	2.3	21.5
10 8	23 43.66	+ 1 20.3	2.047	3.012	6.0	21.7
10 18	23 37.66	+ 0 44.4	2.104	3.010	9.5	21.9
10 28	23 33.47	+ 0 17.9	2.186	3.009	12.5	22.1

257115 2008 GE_{78} 9 21.7 253°.73 3°.6/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.10	− 6 41.9	1.659	2.543	13.8	21.2
8 29	0 15.89	− 7 41.8	1.582	2.528	10.1	21.0
9 8	0 8.41	− 8 49.0	1.528	2.513	6.2	20.7
9 18	23 59.35	− 9 56.2	1.500	2.497	3.6	20.5
9 28	23 49.74	−10 55.0	1.498	2.480	5.9	20.6
10 8	23 40.76	−11 38.1	1.524	2.464	10.0	20.8
10 18	23 33.46	−12 0.8	1.573	2.446	14.0	21.0
10 28	23 28.62	−12 1.5	1.642	2.429	17.5	21.2

515647 2014 NP_{60} 9 21.7 51°.90 3°.4/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.37	+10 53.7	2.171	2.992	13.3	21.3
8 29	0 13.32	+11 5.5	2.098	2.998	10.5	21.2
9 8	0 6.60	+11 2.2	2.048	3.004	7.3	21.0
9 18	23 58.81	+10 44.6	2.023	3.010	4.4	20.8
9 28	23 50.73	+10 15.7	2.026	3.016	3.6	20.8
10 8	23 43.20	+ 9 39.9	2.057	3.022	5.9	20.9
10 18	23 36.96	+ 9 2.4	2.115	3.029	9.0	21.1
10 28	23 32.58	+ 8 28.2	2.197	3.035	11.9	21.3

435815 2008 WW_{17} 9 21.7 19°.53 3°.0/19.8 18

8 19	0 21.74	− 6 28.6	1.242	2.139	16.5	20.0
8 29	0 16.58	− 6 41.5	1.193	2.145	12.1	19.8
9 8	0 8.82	− 6 59.3	1.164	2.152	7.2	19.5
9 18	23 59.43	− 7 15.8	1.159	2.160	3.2	19.3
9 28	23 49.77	− 7 24.1	1.179	2.169	5.4	19.5
10 8	23 41.24	− 7 19.1	1.223	2.179	10.1	19.8
10 18	23 34.95	− 6 58.5	1.289	2.190	14.5	20.1
10 28	23 31.55	− 6 21.6	1.375	2.202	18.2	20.3

56990 2000 SZ_{242} 9 21.7 97°.60 2°.8/18.8 18

8 19	0 19.09	− 7 13.7	2.044	2.923	11.8	18.8
8 29	0 13.84	− 7 51.6	1.983	2.926	8.6	18.6
9 8	0 6.90	− 8 32.9	1.946	2.930	5.2	18.4
9 18	23 58.89	− 9 12.6	1.936	2.933	2.9	18.3
9 28	23 50.64	− 9 45.1	1.954	2.937	4.6	18.4
10 8	23 43.05	−10 6.0	1.999	2.940	7.9	18.6
10 18	23 36.84	−10 12.7	2.070	2.944	11.1	18.8
10 28	23 32.58	−10 4.1	2.163	2.947	13.9	19.0

354489 2004 FB_{13} 9 21.7 219°.21 2°.2/24.5 18

8 19	0 15.91	+10 33.9	2.314	3.137	12.5	21.4
8 29	0 11.49	+ 9 51.6	2.226	3.131	9.7	21.3
9 8	0 5.53	+ 8 52.1	2.161	3.124	6.5	21.0
9 18	23 58.53	+ 7 38.1	2.123	3.117	3.3	20.8
9 28	23 51.20	+ 6 14.3	2.114	3.109	2.6	20.8
10 8	23 44.33	+ 4 47.3	2.134	3.101	5.6	21.0
10 18	23 38.59	+ 3 23.8	2.182	3.093	8.9	21.1
10 28	23 34.56	+ 2 9.7	2.255	3.084	11.9	21.3

353213 2009 SY_{356} 9 21.7 267°.38 1°.6/18.3 15

8 19	0 10.35	− 8 23.0	4.508	5.379	6.0	21.7
8 29	0 6.75	− 8 52.3	4.429	5.369	4.3	21.6
9 8	0 2.43	− 9 22.8	4.378	5.360	2.7	21.4
9 18	23 57.65	− 9 52.3	4.355	5.350	1.7	21.3
9 28	23 52.73	−10 18.5	4.363	5.341	2.6	21.4
10 8	23 48.03	−10 39.2	4.400	5.331	4.3	21.5
10 18	23 43.87	−10 53.0	4.464	5.321	6.0	21.6
10 28	23 40.52	−10 58.8	4.554	5.312	7.5	21.8

164209 2004 HD_{57} 9 21.7 357°.92 26°.1/19.0 17

8 19	0 21.16	−49 0.0	0.830	1.690	26.1	18.4
8 29	0 18.43	−52 14.4	0.835	1.686	26.5	18.4
9 8	0 10.76	−54 28.0	0.852	1.684	27.5	18.5
9 18	23 59.99	−55 28.1	0.880	1.683	28.8	18.6
9 28	23 49.04	−55 10.9	0.917	1.683	30.2	18.7
10 8	23 40.65	−53 43.4	0.961	1.684	31.5	18.9
10 18	23 36.36	−51 17.7	1.012	1.686	32.6	19.0
10 28	23 36.58	−48 7.1	1.069	1.689	33.6	19.2

223185 2003 AR_{49} 9 21.7 308°.58 0°.4/21.4 18

8 19	0 19.21	+ 0 34.9	1.364	2.246	16.3	20.4
8 29	0 14.95	+ 0 16.2	1.284	2.228	12.2	20.1
9 8	0 8.09	− 0 16.9	1.224	2.210	7.3	19.8
9 18	23 59.32	− 0 59.9	1.188	2.192	2.0	19.4
9 28	23 49.83	− 1 45.7	1.177	2.174	3.7	19.5
10 8	23 41.00	− 2 26.2	1.191	2.157	9.2	19.8
10 18	23 34.09	− 2 54.3	1.229	2.140	14.2	20.0
10 28	23 30.00	− 3 5.1	1.285	2.124	18.5	20.2

215174 2000 GU_{100} 9 21.7 238°.81 1°.7/23.9 18

8 19	0 17.93	+ 8 31.2	2.694	3.515	11.0	22.5
8 29	0 12.85	+ 7 59.1	2.590	3.495	8.5	22.3
9 8	0 6.31	+ 7 13.4	2.510	3.475	5.6	22.1
9 18	23 58.76	+ 6 16.0	2.458	3.454	2.6	21.8
9 28	23 50.83	+ 5 10.8	2.436	3.432	2.2	21.8
10 8	23 43.21	+ 4 2.7	2.444	3.409	5.2	21.9
10 18	23 36.55	+ 2 57.0	2.481	3.385	8.3	22.1
10 28	23 31.42	+ 1 58.6	2.545	3.360	11.1	22.3

30712 4207 T-3 9 21.7 240°.01 1°.5/19.9 18

8 19	0 17.03	− 2 29.7	2.332	3.199	10.9	19.1
8 29	0 12.29	− 3 19.0	2.249	3.188	8.0	18.9
9 8	0 6.01	− 4 16.1	2.191	3.175	4.7	18.7
9 18	23 58.68	− 5 16.6	2.161	3.163	1.7	18.5
9 28	23 51.00	− 6 14.9	2.160	3.150	3.4	18.6
10 8	23 43.77	− 7 5.8	2.187	3.136	6.8	18.8
10 18	23 37.66	− 7 44.9	2.241	3.122	10.1	19.0
10 28	23 33.24	− 8 9.4	2.319	3.108	12.9	19.1

450544 2006 BJ_{280} 9 21.7 349°.02 8°.9/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.81	+18 2.9	1.504	2.313	18.7	20.4
8 29	0 14.63	+19 29.0	1.424	2.301	15.9	20.1
9 8	0 7.91	+20 33.4	1.363	2.291	12.8	19.9
9 18	23 59.29	+21 11.7	1.324	2.281	10.1	19.8
9 28	23 49.89	+21 22.2	1.308	2.273	8.9	19.7
10 8	23 41.06	+21 7.9	1.315	2.266	10.1	19.7
10 18	23 34.06	+20 35.7	1.345	2.261	12.9	19.9
10 28	23 29.83	+19 54.8	1.396	2.258	16.0	20.1

402497 2006 DP_{16} 9 21.7 237°.85 0°.8/20.7 18

8 19	0 16.82	− 1 28.8	2.576	3.437	10.3	22.0
8 29	0 11.99	− 1 59.0	2.493	3.428	7.5	21.8
9 8	0 5.76	− 2 36.1	2.435	3.418	4.4	21.6
9 18	23 58.60	− 3 16.8	2.406	3.408	1.2	21.3
9 28	23 51.15	− 3 56.7	2.405	3.398	2.7	21.4
10 8	23 44.11	− 4 31.7	2.434	3.388	5.9	21.6
10 18	23 38.10	− 4 58.4	2.490	3.377	9.0	21.8
10 28	23 33.62	− 5 14.0	2.570	3.367	11.6	22.0

118326 1998 YR_{20} 9 21.7 257°.75 1°.5/20.3 18

8 19	0 20.11	− 1 44.8	1.715	2.590	13.9	20.6
8 29	0 15.09	− 2 26.3	1.635	2.577	10.2	20.4
9 8	0 7.92	− 3 18.6	1.578	2.563	6.0	20.1
9 18	23 59.24	− 4 16.3	1.546	2.549	1.9	19.8
9 28	23 50.05	− 5 12.5	1.542	2.535	4.0	19.9
10 8	23 41.45	− 5 59.8	1.565	2.521	8.5	20.2
10 18	23 34.45	− 6 33.0	1.613	2.506	12.6	20.4
10 28	23 29.78	− 6 48.5	1.683	2.491	16.2	20.6

477898 2011 KM_{9} 9 21.7 77°.81 9°.5/12.4 16

8 19	0 21.77	−23 1.2	1.642	2.528	13.8	20.3
8 29	0 16.03	−24 46.5	1.622	2.550	11.2	20.2
9 8	0 8.22	−26 18.8	1.625	2.572	9.6	20.1
9 18	23 59.24	−27 28.5	1.653	2.594	9.7	20.2
9 28	23 50.23	−28 8.9	1.705	2.616	11.3	20.3
10 8	23 42.32	−28 17.7	1.780	2.637	13.6	20.5
10 18	23 36.32	−27 57.0	1.876	2.659	15.9	20.8
10 28	23 32.76	−27 10.8	1.988	2.680	17.8	21.0

205366 2000 YO_{44} 9 21.7 320°.18 2°.1/23.4 18

8 19	0 17.44	+ 6 29.9	1.522	2.384	16.0	19.3
8 29	0 13.35	+ 6 19.9	1.444	2.373	12.3	19.0
9 8	0 6.98	+ 5 51.5	1.386	2.362	8.0	18.7
9 18	23 59.00	+ 5 7.4	1.352	2.351	3.5	18.4
9 28	23 50.46	+ 4 13.0	1.344	2.341	3.1	18.4
10 8	23 42.57	+ 3 16.2	1.362	2.332	7.7	18.7
10 18	23 36.39	+ 2 24.8	1.403	2.323	12.2	18.9
10 28	23 32.71	+ 1 45.3	1.467	2.314	16.2	19.1

98657 2000 WB_{149} 9 21.7 345°.87 5°.6/15.9 18

8 19	0 12.82	− 7 31.3	1.324	2.232	14.9	18.3
8 29	0 10.08	− 9 34.7	1.267	2.225	10.9	18.0
9 8	0 5.05	−11 47.8	1.233	2.219	7.0	17.8
9 18	23 58.46	−13 57.9	1.223	2.214	5.7	17.7
9 28	23 51.43	−15 51.3	1.238	2.210	8.5	17.9
10 8	23 45.20	−17 17.1	1.278	2.206	12.6	18.1
10 18	23 40.79	−18 10.0	1.338	2.203	16.5	18.3
10 28	23 38.91	−18 29.2	1.416	2.201	19.9	18.6

9498 Westerbork 9 21.7 58°.28 0°.8/22.4 18

8 19	0 20.98	+ 4 35.6	1.241	2.115	18.1	18.7
8 29	0 15.87	+ 4 0.3	1.200	2.138	13.4	18.5
9 8	0 8.31	+ 3 6.3	1.179	2.161	8.2	18.3
9 18	23 59.30	+ 1 59.6	1.182	2.184	2.6	18.0
9 28	23 50.16	+ 0 49.4	1.210	2.208	3.3	18.2
10 8	23 42.23	− 0 14.8	1.263	2.231	8.4	18.5
10 18	23 36.48	− 1 5.6	1.340	2.255	13.0	18.9
10 28	23 33.50	− 1 38.1	1.437	2.279	16.8	19.2

172749 2004 CB_{98} 9 21.7 287°.62 7°.7/13.8 18

8 19	0 19.85	−19 39.2	1.830	2.718	12.5	19.9
8 29	0 14.79	−20 55.0	1.769	2.705	10.0	19.7
9 8	0 7.67	−22 5.2	1.732	2.692	8.1	19.6
9 18	23 59.17	−23 1.4	1.719	2.679	7.9	19.6
9 28	23 50.29	−23 35.9	1.732	2.667	9.7	19.7
10 8	23 42.11	−23 44.5	1.770	2.654	12.3	19.8
10 18	23 35.55	−23 26.5	1.829	2.642	15.1	20.0
10 28	23 31.28	−22 43.9	1.907	2.629	17.5	20.1

273430 2006 WW_{103} 9 21.7 235°.33 0°.4/22.0 18

8 19	0 20.30	+ 3 16.4	1.734	2.594	14.5	22.4
8 29	0 15.21	+ 2 43.8	1.653	2.585	10.8	22.1
9 8	0 7.98	+ 1 56.3	1.595	2.575	6.6	21.9
9 18	23 59.27	+ 0 57.9	1.563	2.565	2.0	21.6
9 28	23 50.07	− 0 5.0	1.558	2.554	2.9	21.6
10 8	23 41.48	− 1 4.9	1.580	2.544	7.6	21.9
10 18	23 34.47	− 1 55.2	1.628	2.532	11.8	22.1
10 28	23 29.77	− 2 30.8	1.698	2.520	15.5	22.3

149781 2004 RV_{321} 9 21.7 71°.59 1°.2/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 16.60	+ 6 40.8	2.085	2.930	13.0	19.7
8 29	0 11.91	+ 6 1.3	2.031	2.952	9.7	19.5
9 8	0 5.71	+ 5 7.9	2.000	2.974	6.1	19.3
9 18	23 58.58	+ 4 4.4	1.996	2.995	2.4	19.1
9 28	23 51.33	+ 2 56.2	2.020	3.017	2.3	19.2
10 8	23 44.74	+ 1 49.7	2.073	3.039	5.8	19.5
10 18	23 39.46	+ 0 50.5	2.152	3.060	9.2	19.7
10 28	23 35.97	+ 0 2.8	2.256	3.082	12.0	19.9

405463 2004 TT_{337} 9 21.7 293°.13 2°.1/19.7 18

8 19	0 19.67	− 5 58.4	2.141	3.014	11.5	20.8
8 29	0 14.31	− 6 18.2	2.065	3.006	8.4	20.5
9 8	0 7.24	− 6 42.0	2.013	2.997	5.0	20.3
9 18	23 59.04	− 7 5.6	1.989	2.989	2.2	20.1
9 28	23 50.51	− 7 24.6	1.993	2.981	3.9	20.2
10 8	23 42.52	− 7 34.7	2.025	2.972	7.4	20.4
10 18	23 35.84	− 7 33.4	2.083	2.964	10.7	20.6
10 28	23 31.06	− 7 19.3	2.164	2.956	13.6	20.8

310274 2011 UW_{54} 9 21.7 326°.49 6°.6/16.3 18

8 19	0 21.22	−16 18.1	1.652	2.543	13.5	20.5
8 29	0 15.91	−17 3.2	1.589	2.532	10.3	20.3
9 8	0 8.38	−17 44.2	1.548	2.521	7.6	20.1
9 18	23 59.37	−18 13.4	1.532	2.511	6.7	20.0
9 28	23 49.98	−18 24.0	1.542	2.501	8.5	20.1
10 8	23 41.39	−18 11.8	1.577	2.492	11.6	20.3
10 18	23 34.58	−17 36.6	1.634	2.484	14.9	20.5
10 28	23 30.25	−16 40.0	1.711	2.475	17.7	20.7

257475 1995 DP_{5} 9 21.7 187°.48 1°.4/23.4 18

8 19	0 16.60	+ 6 20.2	2.568	3.404	11.1	21.2
8 29	0 11.82	+ 6 3.2	2.488	3.403	8.4	21.0
9 8	0 5.66	+ 5 34.9	2.432	3.403	5.4	20.8
9 18	23 58.60	+ 4 57.5	2.404	3.402	2.3	20.6
9 28	23 51.28	+ 4 14.5	2.404	3.401	2.1	20.6
10 8	23 44.40	+ 3 30.3	2.434	3.400	5.1	20.8
10 18	23 38.56	+ 2 49.2	2.492	3.398	8.2	21.0
10 28	23 34.26	+ 2 15.1	2.575	3.396	10.8	21.2

410857 2009 RV_{45} 9 21.7 312°.76 1°.0/20.8 18

8 19	0 18.78	− 2 27.1	2.133	3.002	11.8	20.5
8 29	0 13.68	− 2 39.8	2.056	2.994	8.7	20.3
9 8	0 6.88	− 2 58.9	2.002	2.986	5.1	20.1
9 18	23 58.95	− 3 21.1	1.976	2.979	1.5	19.8
9 28	23 50.69	− 3 42.0	1.977	2.971	3.0	20.0
10 8	23 42.94	− 3 57.6	2.007	2.964	6.8	20.2
10 18	23 36.49	− 4 4.3	2.063	2.957	10.2	20.4
10 28	23 31.90	− 4 0.0	2.143	2.950	13.2	20.6

490933 2011 CN_{66} 9 21.7 294°.96 9°.2/ 7.4 17

8 19	0 15.41	−26 2.9	2.145	3.024	11.3	21.1
8 29	0 11.47	−28 18.3	2.089	3.005	9.8	20.9
9 8	0 5.70	−30 25.6	2.060	2.985	9.2	20.9
9 18	23 58.65	−32 15.1	2.056	2.965	9.9	20.9
9 28	23 51.15	−33 38.6	2.077	2.945	11.6	20.9
10 8	23 44.14	−34 31.4	2.121	2.926	13.6	21.0
10 18	23 38.46	−34 52.8	2.184	2.906	15.7	21.2
10 28	23 34.78	−34 44.6	2.263	2.887	17.4	21.3

387661 2002 RS_{240} 9 21.7 263°.81 0°.1/21.6 16

8 19	0 15.75	+10 33.3	1.086	1.957	20.4	20.6
8 29	0 12.87	+ 8 4.2	1.008	1.945	15.5	20.3
9 8	0 7.07	+ 4 47.8	0.950	1.932	9.5	19.9
9 18	23 59.11	+ 0 54.6	0.916	1.919	2.6	19.5
9 28	23 50.37	− 3 13.8	0.909	1.906	4.6	19.6
10 8	23 42.46	− 7 9.9	0.929	1.892	11.5	19.9
10 18	23 36.80	−10 30.7	0.973	1.878	17.7	20.2
10 28	23 34.38	−13 3.4	1.036	1.864	22.8	20.5

220743 2004 TO_{33} 9 21.7 245°.29 0°.9/22.7 18

8 19	0 16.42	+ 4 26.8	2.307	3.156	11.7	21.0
8 29	0 11.83	+ 4 4.2	2.228	3.152	8.8	20.8
9 8	0 5.74	+ 3 30.2	2.173	3.149	5.5	20.6
9 18	23 58.64	+ 2 47.5	2.145	3.145	2.0	20.4
9 28	23 51.25	+ 2 0.3	2.145	3.142	2.2	20.4
10 8	23 44.32	+ 1 13.7	2.174	3.138	5.7	20.6
10 18	23 38.54	+ 0 32.4	2.230	3.135	9.0	20.8
10 28	23 34.45	+ 0 0.4	2.310	3.131	11.9	21.0

239619 2008 US_{253} 9 21.7 261°.81 2°.1/19.8 18

8 19	0 19.75	− 3 42.7	1.851	2.727	13.0	21.4
8 29	0 14.70	− 4 23.9	1.771	2.713	9.5	21.1
9 8	0 7.64	− 5 13.4	1.714	2.699	5.6	20.9
9 18	23 59.20	− 6 5.7	1.683	2.685	2.2	20.6
9 28	23 50.30	− 6 54.5	1.680	2.670	4.2	20.7
10 8	23 41.94	− 7 33.3	1.704	2.655	8.3	21.0
10 18	23 35.06	− 7 57.8	1.754	2.640	12.2	21.2
10 28	23 30.36	− 8 5.2	1.825	2.624	15.5	21.4

386378 2008 UH_{28} 9 21.7 107°.96 5°.4/28.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 16.86	+19 4.9	1.840	2.631	16.5	20.9
8 29	0 12.52	+18 36.2	1.766	2.639	13.5	20.7
9 8	0 6.28	+17 40.8	1.713	2.647	10.2	20.5
9 18	23 58.80	+16 20.0	1.683	2.654	7.0	20.4
9 28	23 51.02	+14 38.8	1.680	2.662	5.4	20.3
10 8	23 43.93	+12 45.9	1.704	2.669	6.9	20.4
10 18	23 38.36	+10 51.3	1.755	2.676	10.0	20.6
10 28	23 34.92	+ 9 4.4	1.831	2.683	13.2	20.8

293776 2007 RJ_{116} 9 21.7 342°.51 1°.6/22.5 18

8 19	0 22.69	+ 1 57.6	1.061	1.949	19.4	19.8
8 29	0 18.02	+ 2 28.2	0.996	1.941	14.7	19.5
9 8	0 10.14	+ 2 44.4	0.950	1.934	9.2	19.1
9 18	23 59.96	+ 2 48.0	0.925	1.927	3.3	18.8
9 28	23 49.02	+ 2 43.7	0.924	1.922	3.9	18.8
10 8	23 39.11	+ 2 38.2	0.945	1.917	9.8	19.1
10 18	23 31.73	+ 2 37.9	0.988	1.914	15.4	19.4
10 28	23 27.86	+ 2 48.3	1.049	1.911	20.1	19.7

450522 2006 BJ_{66} 9 21.7 348°.93 1°.6/20.2 18

8 19	0 15.63	− 2 40.0	1.750	2.633	13.2	20.5
8 29	0 11.66	− 3 15.6	1.681	2.627	9.6	20.3
9 8	0 5.80	− 3 59.9	1.635	2.622	5.6	20.0
9 18	23 58.68	− 4 47.8	1.615	2.617	1.9	19.8
9 28	23 51.22	− 5 32.8	1.621	2.614	3.9	19.9
10 8	23 44.38	− 6 8.8	1.654	2.610	8.0	20.1
10 18	23 39.01	− 6 31.4	1.711	2.608	11.8	20.4
10 28	23 35.75	− 6 37.8	1.790	2.606	15.1	20.6

292678 2006 UF_{84} 9 21.7 5°.93 0°.5/22.2 18

8 19	0 16.76	+ 3 21.8	1.775	2.640	14.0	21.0
8 29	0 12.44	+ 2 54.7	1.706	2.640	10.4	20.7
9 8	0 6.24	+ 2 14.0	1.660	2.640	6.4	20.5
9 18	23 58.80	+ 1 23.6	1.639	2.641	2.0	20.2
9 28	23 51.03	+ 0 29.3	1.645	2.642	2.7	20.3
10 8	23 43.90	− 0 22.1	1.678	2.643	7.0	20.6
10 18	23 38.26	− 1 4.9	1.736	2.645	10.9	20.8
10 28	23 34.72	− 1 34.6	1.817	2.647	14.3	21.0

398025 2009 DF_{41} 9 21.7 183°.07 2°.3/18.9 18

8 19	0 17.05	− 4 5.7	2.137	3.012	11.5	20.9
8 29	0 12.37	− 5 13.8	2.070	3.012	8.3	20.7
9 8	0 6.08	− 6 29.2	2.027	3.012	4.9	20.4
9 18	23 58.74	− 7 45.9	2.013	3.012	2.4	20.3
9 28	23 51.14	− 8 57.3	2.027	3.012	4.3	20.4
10 8	23 44.08	− 9 57.2	2.069	3.011	7.7	20.6
10 18	23 38.29	−10 41.6	2.137	3.009	10.9	20.8
10 28	23 34.30	−11 8.1	2.227	3.008	13.6	21.0

399074 2014 CX_{22} 9 21.7 194°.02 4°.3/16.4 18

8 19	0 17.51	− 9 34.6	2.094	2.978	11.3	21.0
8 29	0 12.76	−11 8.8	2.031	2.976	8.3	20.8
9 8	0 6.34	−12 46.7	1.994	2.974	5.5	20.6
9 18	23 58.82	−14 20.7	1.984	2.971	4.4	20.5
9 28	23 51.00	−15 42.9	2.003	2.968	6.3	20.7
10 8	23 43.74	−16 47.2	2.049	2.965	9.3	20.8
10 18	23 37.79	−17 30.1	2.120	2.961	12.2	21.0
10 28	23 33.73	−17 50.6	2.212	2.957	14.8	21.2

133979 2004 TC_{243} 9 21.7 353°.07 5°.6/15.1 18

8 19	0 11.42	− 9 44.4	1.616	2.520	12.9	18.7
8 29	0 8.71	−11 44.8	1.559	2.515	9.5	18.5
9 8	0 4.10	−13 50.5	1.527	2.510	6.5	18.3
9 18	23 58.22	−15 50.9	1.520	2.506	5.8	18.3
9 28	23 52.00	−17 34.8	1.540	2.503	8.1	18.4
10 8	23 46.43	−18 54.0	1.585	2.501	11.5	18.6
10 18	23 42.35	−19 44.1	1.652	2.500	14.8	18.8
10 28	23 40.38	−20 4.6	1.737	2.499	17.6	19.0

214727 2006 TS_{19} 9 21.7 59°.51 0°.1/21.8 18

8 19	0 18.09	+ 2 0.5	1.911	2.773	13.2	20.8
8 29	0 13.27	+ 1 35.2	1.844	2.777	9.8	20.6
9 8	0 6.66	+ 0 58.5	1.800	2.781	5.9	20.4
9 18	23 58.91	+ 0 14.3	1.782	2.785	1.7	20.1
9 28	23 50.87	− 0 32.2	1.792	2.789	2.6	20.2
10 8	23 43.47	− 1 15.0	1.830	2.793	6.7	20.4
10 18	23 37.49	− 1 49.2	1.894	2.797	10.5	20.7
10 28	23 33.53	− 2 11.1	1.981	2.802	13.6	20.9

15643 3540 P–L 9 21.7 350°.56 5°.8/26.7 18

8 19	0 16.23	+14 24.6	1.496	2.329	17.8	17.2
8 29	0 12.54	+14 50.7	1.422	2.322	14.4	17.0
9 8	0 6.55	+14 53.2	1.366	2.317	10.7	16.8
9 18	23 58.94	+14 31.5	1.332	2.312	7.3	16.6
9 28	23 50.77	+13 48.3	1.323	2.308	5.9	16.5
10 8	23 43.28	+12 50.4	1.338	2.306	8.1	16.6
10 18	23 37.54	+11 46.6	1.377	2.304	11.8	16.8
10 28	23 34.34	+10 46.1	1.438	2.303	15.4	17.0

154240 2002 JW_{139} 9 21.7 354°.28 2°.6/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 19.30	− 7 20.0	2.203	3.079	11.2	19.8
8 29	0 13.94	− 7 47.3	2.137	3.079	8.2	19.6
9 8	0 6.98	− 8 17.5	2.095	3.079	4.9	19.4
9 18	23 58.99	− 8 46.1	2.080	3.079	2.6	19.2
9 28	23 50.75	− 9 8.6	2.094	3.079	4.2	19.3
10 8	23 43.10	− 9 21.0	2.136	3.078	7.4	19.5
10 18	23 36.74	− 9 21.0	2.204	3.078	10.5	19.7
10 28	23 32.21	− 9 7.6	2.295	3.078	13.2	19.9

474662 2005 AL_4 9 21.7 318°.75 1°.2/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.89	− 1 47.7	1.373	2.261	15.8	21.0
8 29	0 14.80	− 2 1.4	1.287	2.235	11.8	20.7
9 8	0 8.09	− 2 26.3	1.223	2.210	7.1	20.4
9 18	23 59.41	− 2 57.9	1.182	2.185	2.0	20.0
9 28	23 49.92	− 3 29.3	1.165	2.161	4.2	20.1
10 8	23 41.00	− 3 53.0	1.174	2.137	9.6	20.3
10 18	23 33.96	− 4 3.3	1.205	2.115	14.6	20.6
10 28	23 29.74	− 3 56.1	1.255	2.093	19.0	20.8

97025 1999 TK_{284} 9 21.7 277°.38 8°.3/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.25	−21 15.0	1.799	2.682	12.9	19.4
8 29	0 16.63	−22 25.4	1.737	2.668	10.4	19.2
9 8	0 8.81	−23 28.6	1.697	2.653	8.6	19.1
9 18	23 59.53	−24 15.9	1.683	2.638	8.5	19.0
9 28	23 49.84	−24 39.6	1.694	2.624	10.2	19.1
10 8	23 40.89	−24 36.0	1.729	2.609	12.8	19.2
10 18	23 33.68	−24 5.0	1.786	2.594	15.6	19.4
10 28	23 28.88	−23 9.2	1.862	2.579	18.0	19.5

391965 2008 WN_{111} 9 21.7 278°.09 1°.6/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.60	+ 5 50.5	1.755	2.609	14.6	21.4
8 29	0 13.94	+ 5 33.6	1.675	2.600	11.1	21.2
9 8	0 7.23	+ 5 0.7	1.617	2.592	7.1	20.9
9 18	23 59.11	+ 4 14.8	1.584	2.584	2.9	20.7
9 28	23 50.52	+ 3 20.9	1.578	2.575	2.8	20.6
10 8	23 42.52	+ 2 26.0	1.599	2.567	7.0	20.9
10 18	23 36.04	+ 1 36.7	1.646	2.558	11.2	21.1
10 28	23 31.80	+ 0 58.8	1.715	2.550	14.8	21.3

250744 2005 SB_{149} 9 21.7 326°.17 1°.0/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.80	− 0 40.0	1.794	2.671	13.2	20.7
8 29	0 11.80	− 1 18.3	1.718	2.661	9.7	20.4
9 8	0 5.91	− 2 7.5	1.665	2.651	5.7	20.2
9 18	23 58.74	− 3 2.8	1.638	2.641	1.6	19.9
9 28	23 51.16	− 3 57.6	1.637	2.632	3.4	20.0
10 8	23 44.15	− 4 45.4	1.664	2.623	7.7	20.2
10 18	23 38.56	− 5 20.7	1.715	2.614	11.6	20.5
10 28	23 35.06	− 5 40.1	1.788	2.606	15.0	20.7

95648 2002 GX_{97} 9 21.7 96°.41 2°.6/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.42	+10 53.6	2.329	3.150	12.6	19.7
8 29	0 11.75	+10 30.2	2.262	3.164	9.8	19.5
9 8	0 5.64	+ 9 51.4	2.219	3.178	6.6	19.3
9 18	23 58.62	+ 8 59.4	2.201	3.192	3.6	19.2
9 28	23 51.41	+ 7 58.5	2.212	3.206	2.8	19.1
10 8	23 44.76	+ 6 54.1	2.252	3.219	5.3	19.3
10 18	23 39.28	+ 5 51.8	2.320	3.233	8.4	19.6
10 28	23 35.48	+ 4 56.7	2.412	3.246	11.1	19.8

352354 2007 VY_{167} 9 21.7 1°.12 3°.5/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.42	− 7 37.9	1.659	2.547	13.6	20.8
8 29	0 14.48	− 8 17.5	1.598	2.546	9.9	20.6
9 8	0 7.49	− 9 1.2	1.560	2.546	6.0	20.4
9 18	23 59.16	− 9 42.5	1.548	2.546	3.5	20.2
9 28	23 50.52	−10 14.8	1.563	2.546	5.5	20.3
10 8	23 42.65	−10 32.6	1.603	2.547	9.3	20.6
10 18	23 36.45	−10 33.2	1.667	2.548	13.0	20.8
10 28	23 32.57	−10 15.8	1.752	2.549	16.1	21.0

484959 2009 SK_{361} 9 21.7 338°.68 11°.7/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.53	−34 49.4	1.917	2.758	14.1	19.9
8 29	0 21.80	−35 30.9	1.870	2.749	12.6	19.8
9 8	0 11.73	−35 52.3	1.845	2.741	11.8	19.7
9 18	0 0.29	−35 45.8	1.843	2.733	11.9	19.7
9 28	23 48.75	−35 6.6	1.864	2.726	13.0	19.8
10 8	23 38.39	−33 55.1	1.908	2.720	14.7	19.9
10 18	23 30.17	−32 15.2	1.973	2.714	16.6	20.0
10 28	23 24.67	−30 12.9	2.056	2.708	18.3	20.2

259007 2002 TV_{110} 9 21.7 39°.00 4°.9/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.75	+11 27.9	1.262	2.113	19.4	20.0
8 29	0 16.01	+11 48.3	1.206	2.122	15.3	19.8
9 8	0 8.63	+11 44.0	1.169	2.132	10.8	19.6
9 18	23 59.51	+11 16.0	1.153	2.142	6.4	19.4
9 28	23 49.98	+10 29.0	1.161	2.153	5.1	19.3
10 8	23 41.49	+ 9 31.7	1.194	2.165	8.4	19.5
10 18	23 35.17	+ 8 33.7	1.250	2.177	12.7	19.8
10 28	23 31.78	+ 7 43.9	1.327	2.189	16.7	20.1

368489 2003 TF 9 21.7 17°.18 2°.3/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 12.85	+ 8 49.2	0.989	1.876	20.6	19.4
8 29	0 10.58	+ 8 4.8	0.940	1.881	15.8	19.1
9 8	0 5.54	+ 6 49.8	0.908	1.888	10.2	18.8
9 18	23 58.67	+ 5 10.6	0.896	1.896	4.3	18.5
9 28	23 51.40	+ 3 19.4	0.907	1.905	3.6	18.5
10 8	23 45.23	+ 1 31.4	0.940	1.916	9.2	18.9
10 18	23 41.34	− 0 0.4	0.995	1.928	14.6	19.2
10 28	23 40.45	− 1 7.4	1.069	1.941	19.1	19.6

209678 2005 ER_6 9 21.7 278°.83 0°.5/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.51	+ 1 19.4	1.816	2.676	13.9	20.1
8 29	0 16.71	+ 1 23.7	1.740	2.671	10.4	19.9
9 8	0 8.84	+ 1 18.1	1.687	2.667	6.4	19.7
9 18	23 59.57	+ 1 5.1	1.660	2.663	2.0	19.4
9 28	23 49.87	+ 0 48.8	1.661	2.658	2.7	19.4
10 8	23 40.82	+ 0 34.0	1.690	2.654	7.1	19.7
10 18	23 33.36	+ 0 24.9	1.745	2.649	11.1	19.9
10 28	23 28.17	+ 0 25.0	1.822	2.645	14.6	20.1

378133 2006 VV_{29} 9 21.7 260°.23 4°.1/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.19	+12 12.8	1.567	2.401	17.0	20.8
8 29	0 14.64	+12 6.6	1.488	2.395	13.5	20.5
9 8	0 7.78	+11 37.2	1.430	2.389	9.5	20.3
9 18	23 59.31	+10 45.7	1.394	2.384	5.6	20.1
9 28	23 50.29	+ 9 36.9	1.385	2.377	4.3	20.0
10 8	23 41.94	+ 8 19.0	1.402	2.371	7.6	20.2
10 18	23 35.33	+ 7 1.4	1.443	2.365	11.8	20.4
10 28	23 31.25	+ 5 52.8	1.508	2.359	15.6	20.6

268356 2005 TR_{23} 9 21.7 177°.32 0°.1/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.70	+ 1 12.2	1.697	2.560	14.6	20.7
8 29	0 16.91	+ 0 57.9	1.628	2.561	10.8	20.5
9 8	0 8.97	+ 0 32.0	1.581	2.562	6.5	20.2
9 18	23 59.60	− 0 1.6	1.560	2.562	1.8	19.9
9 28	23 49.85	− 0 37.4	1.566	2.563	3.0	20.0
10 8	23 40.84	− 1 9.6	1.600	2.562	7.6	20.3
10 18	23 33.54	− 1 32.9	1.659	2.562	11.7	20.6
10 28	23 28.63	− 1 43.7	1.741	2.561	15.2	20.8

36043 1999 RN_2 9 21.7 151°.74 3°.0/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.85	+11 46.3	2.223	3.043	13.1	18.6
8 29	0 11.50	+11 24.8	2.144	3.044	10.3	18.4
9 8	0 5.59	+10 46.2	2.088	3.045	7.1	18.2
9 18	23 58.65	+ 9 52.5	2.057	3.046	4.1	18.1
9 28	23 51.42	+ 8 47.7	2.055	3.047	3.1	18.0
10 8	23 44.70	+ 7 37.7	2.080	3.048	5.7	18.2
10 18	23 39.17	+ 6 28.8	2.134	3.049	8.8	18.4
10 28	23 35.39	+ 5 26.9	2.212	3.050	11.8	18.6

64571 2001 WT_{38} 9 21.7 81°.92 4°.3/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.35	− 6 2.7	1.260	2.156	16.4	18.0
8 29	0 16.27	− 7 21.7	1.216	2.168	11.9	17.7
9 8	0 8.67	− 8 48.2	1.194	2.181	7.2	17.5
9 18	23 59.50	−10 12.0	1.195	2.193	4.3	17.4
9 28	23 50.11	−11 22.0	1.222	2.205	6.8	17.6
10 8	23 41.86	−12 10.2	1.273	2.217	11.2	17.8
10 18	23 35.77	−12 32.9	1.347	2.229	15.4	18.1
10 28	23 32.51	−12 30.0	1.439	2.241	18.8	18.4

241870 2001 TW_{232} 9 21.7 295°.95 1°.6/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.99	+ 6 50.5	1.918	2.768	13.7	20.8
8 29	0 11.93	+ 6 23.5	1.830	2.752	10.5	20.6
9 8	0 6.02	+ 5 40.0	1.764	2.737	6.8	20.3
9 18	23 58.81	+ 4 42.9	1.723	2.723	2.9	20.1
9 28	23 51.14	+ 3 37.2	1.710	2.708	2.6	20.0
10 8	23 43.94	+ 2 29.9	1.725	2.693	6.6	20.2
10 18	23 38.08	+ 1 27.8	1.766	2.678	10.5	20.4
10 28	23 34.22	+ 0 36.9	1.829	2.664	14.0	20.6

391927 2008 UH_{296} 9 21.7 258°.34 0°.1/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.60	+ 1 49.7	1.852	2.714	13.6	22.0
8 29	0 14.61	+ 1 24.1	1.769	2.702	10.1	21.7
9 8	0 7.62	+ 0 46.2	1.709	2.691	6.1	21.5
9 18	23 59.26	− 0 0.3	1.676	2.678	1.7	21.2
9 28	23 50.42	− 0 49.7	1.670	2.666	2.8	21.2
10 8	23 42.12	− 1 35.8	1.691	2.654	7.3	21.5
10 18	23 35.29	− 2 12.9	1.739	2.641	11.3	21.7
10 28	23 30.62	− 2 36.8	1.809	2.628	14.8	21.9

523244 2017 AG_8 9 21.7 225°.85 6°.2/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.96	−20 44.4	2.680	3.556	9.4	21.6
8 29	0 12.14	−22 6.7	2.620	3.546	7.6	21.5
9 8	0 5.91	−23 24.3	2.586	3.537	6.3	21.4
9 18	23 58.74	−24 31.1	2.579	3.527	6.4	21.4
9 28	23 51.31	−25 21.7	2.601	3.516	7.7	21.5
10 8	23 44.33	−25 52.6	2.648	3.505	9.7	21.6
10 18	23 38.41	−26 2.7	2.718	3.494	11.6	21.7
10 28	23 34.08	−25 52.7	2.808	3.482	13.4	21.8

366009 2012 BA_{113} 9 21.7 189°.33 1°.9/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 14.89	− 3 14.5	2.328	3.201	10.8	20.8
8 29	0 10.69	− 4 20.2	2.259	3.201	7.8	20.6
9 8	0 5.07	− 5 33.1	2.215	3.201	4.5	20.4
9 18	23 58.52	− 6 48.1	2.200	3.200	2.0	20.3
9 28	23 51.72	− 7 59.1	2.213	3.200	3.7	20.4
10 8	23 45.40	− 9 0.4	2.254	3.199	7.0	20.6
10 18	23 40.19	− 9 47.9	2.322	3.198	10.0	20.8
10 28	23 36.60	−10 19.2	2.414	3.197	12.6	21.0

219837 2002 CH_{109} 9 21.7 287°.38 0°.4/22.5 18

8 19	0 11.03	+ 2 47.1	4.239	5.080	7.0	19.8
8 29	0 7.33	+ 2 33.3	4.154	5.075	5.2	19.6
9 8	0 2.86	+ 2 14.1	4.094	5.070	3.2	19.5
9 18	23 57.88	+ 1 51.1	4.064	5.065	1.1	19.3
9 28	23 52.77	+ 1 26.3	4.063	5.060	1.3	19.3
10 8	23 47.88	+ 1 1.8	4.093	5.056	3.4	19.5
10 18	23 43.56	+ 0 39.9	4.152	5.051	5.4	19.6
10 28	23 40.10	+ 0 22.5	4.237	5.046	7.2	19.8

315919 2008 RG_{127} 9 21.7 337°.01 0°.4/22.5 15

8 19	0 10.94	+ 2 59.6	3.720	4.564	7.8	20.6
8 29	0 7.37	+ 2 42.8	3.635	4.558	5.8	20.5
9 8	0 2.92	+ 2 19.7	3.576	4.552	3.5	20.3
9 18	23 57.91	+ 1 52.1	3.545	4.546	1.2	20.1
9 28	23 52.73	+ 1 22.3	3.544	4.541	1.4	20.1
10 8	23 47.81	+ 0 53.0	3.572	4.535	3.8	20.3
10 18	23 43.53	+ 0 26.8	3.629	4.530	6.0	20.5
10 28	23 40.23	+ 0 6.0	3.712	4.525	8.0	20.6

296681 2009 SZ_{213} 9 21.7 308°.55 0°.8/21.1 18

8 19	0 18.51	+ 0 4.9	1.354	2.239	16.2	20.9
8 29	0 14.51	− 0 23.6	1.272	2.218	12.1	20.6
9 8	0 7.92	− 1 7.0	1.212	2.198	7.2	20.3
9 18	23 59.42	− 2 0.2	1.174	2.178	1.9	19.9
9 28	23 50.16	− 2 55.4	1.162	2.158	4.0	20.0
10 8	23 41.54	− 3 43.6	1.175	2.139	9.5	20.2
10 18	23 34.81	− 4 17.4	1.210	2.120	14.5	20.5
10 28	23 30.91	− 4 31.8	1.265	2.102	18.9	20.7

231283 2006 BZ_{45} 9 21.7 130°.62 2°.3/19.3 16

8 19	0 18.02	− 2 49.9	1.842	2.719	13.0	21.1
8 29	0 13.27	− 4 1.8	1.782	2.726	9.4	20.9
9 8	0 6.70	− 5 22.8	1.747	2.733	5.5	20.6
9 18	23 58.98	− 6 46.0	1.738	2.739	2.3	20.5
9 28	23 51.01	− 8 3.6	1.758	2.746	4.4	20.6
10 8	23 43.73	− 9 8.6	1.805	2.752	8.2	20.9
10 18	23 37.93	− 9 56.0	1.877	2.757	11.8	21.1
10 28	23 34.18	−10 23.7	1.971	2.763	14.8	21.3

320130 2007 EF_{196} 9 21.7 275°.05 0°.8/20.9 17

8 19	0 18.71	− 1 29.9	2.288	3.151	11.3	21.7
8 29	0 13.67	− 1 53.2	2.195	3.131	8.3	21.5
9 8	0 6.96	− 2 24.0	2.127	3.110	4.9	21.2
9 18	23 59.09	− 2 59.2	2.085	3.088	1.4	20.9
9 28	23 50.77	− 3 34.1	2.073	3.067	2.9	21.0
10 8	23 42.85	− 4 4.1	2.089	3.045	6.6	21.2
10 18	23 36.07	− 4 25.4	2.132	3.023	10.1	21.4
10 28	23 31.07	− 4 34.9	2.199	3.001	13.1	21.6

433272 2013 AE_{60} 9 21.7 194°.84 1°.2/24.5 18

8 19	0 9.37	+ 8 27.4	4.911	5.725	6.5	21.7
8 29	0 6.05	+ 8 8.9	4.823	5.724	5.0	21.6
9 8	0 2.08	+ 7 43.8	4.761	5.722	3.3	21.5
9 18	23 57.69	+ 7 13.2	4.728	5.720	1.7	21.4
9 28	23 53.19	+ 6 38.8	4.724	5.719	1.4	21.3
10 8	23 48.88	+ 6 2.8	4.751	5.717	2.8	21.5
10 18	23 45.05	+ 5 27.3	4.808	5.715	4.5	21.6
10 28	23 41.96	+ 4 54.5	4.892	5.713	6.1	21.7

508851 2002 CR_{308} 9 21.7 202°.50 1°.6/23.4 18

8 19	0 20.77	+ 6 22.3	2.176	3.012	12.8	23.2
8 29	0 15.18	+ 6 7.0	2.093	3.008	9.8	23.0
9 8	0 7.85	+ 5 38.3	2.033	3.003	6.3	22.8
9 18	23 59.33	+ 4 58.5	1.999	2.998	2.7	22.6
9 28	23 50.44	+ 4 11.7	1.995	2.992	2.5	22.5
10 8	23 42.06	+ 3 23.4	2.020	2.985	6.0	22.8
10 18	23 34.97	+ 2 38.7	2.072	2.978	9.6	23.0
10 28	23 29.79	+ 2 2.4	2.149	2.970	12.7	23.2

351033 2003 SY_{129} 9 21.7 312°.17 10°.9/25.2 17

8 19	0 34.70	+17 50.5	1.575	2.356	19.3	19.8
8 29	0 27.26	+20 15.0	1.465	2.322	16.7	19.5
9 8	0 16.21	+22 28.7	1.376	2.288	13.8	19.3
9 18	0 1.95	+24 22.5	1.311	2.255	11.5	19.1
9 28	23 45.68	+25 47.6	1.273	2.221	11.0	18.9
10 8	23 29.23	+26 40.2	1.261	2.189	12.8	19.0
10 18	23 14.56	+27 2.9	1.274	2.156	16.1	19.1
10 28	23 3.32	+27 4.7	1.308	2.125	19.5	19.2

48616 1995 GP_7 9 21.7 93°.49 2°.8/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 19.27	− 6 21.9	1.941	2.820	12.3	19.1
8 29	0 14.05	− 7 11.4	1.887	2.832	8.9	18.9
9 8	0 7.10	− 8 5.2	1.859	2.843	5.3	18.8
9 18	23 59.10	− 8 57.6	1.856	2.855	2.9	18.6
9 28	23 50.92	− 9 42.4	1.882	2.866	4.7	18.8
10 8	23 43.46	−10 14.6	1.936	2.877	8.1	19.0
10 18	23 37.46	−10 31.2	2.014	2.888	11.4	19.2
10 28	23 33.45	−10 31.2	2.115	2.899	14.1	19.4

407190 2009 UV_{115} 9 21.7 181°.81 1°.4/19.9 18

8 19	0 16.92	− 3 40.4	2.600	3.466	10.0	21.1
8 29	0 12.04	− 4 15.0	2.529	3.467	7.3	20.9
9 8	0 5.82	− 4 54.9	2.483	3.467	4.2	20.8
9 18	23 58.75	− 5 36.3	2.465	3.467	1.6	20.6
9 28	23 51.47	− 6 14.9	2.477	3.466	3.1	20.7
10 8	23 44.63	− 6 46.7	2.517	3.466	6.1	20.9
10 18	23 38.83	− 7 8.7	2.585	3.465	8.9	21.1
10 28	23 34.55	− 7 19.0	2.676	3.464	11.4	21.2

1937 Locarno 9 21.7 34°.89 11°.1/13.8 18

8 19	0 22.33	−22 5.2	1.158	2.061	17.0	14.5
8 29	0 17.20	−23 34.8	1.131	2.072	13.7	14.3
9 8	0 9.27	−24 49.9	1.124	2.084	11.5	14.3
9 18	23 59.70	−25 38.5	1.138	2.096	11.3	14.3
9 28	23 50.05	−25 52.0	1.175	2.109	13.2	14.4
10 8	23 41.83	−25 28.4	1.232	2.123	16.1	14.7
10 18	23 36.11	−24 31.5	1.308	2.138	19.0	14.9
10 28	23 33.44	−23 7.4	1.400	2.153	21.5	15.1

37105 2000 UA_{101} 9 21.7 276°.36 4°.6/26.9 18 R

8 19	0 16.87	+15 28.7	2.191	2.990	13.9	18.8
8 29	0 12.39	+15 32.2	2.104	2.984	11.3	18.6
9 8	0 6.23	+15 16.9	2.038	2.979	8.4	18.4
9 18	23 58.90	+14 43.2	1.998	2.973	5.7	18.2
9 28	23 51.19	+13 53.8	1.984	2.967	4.6	18.1
10 8	23 43.94	+12 53.6	1.998	2.961	6.3	18.2
10 18	23 37.92	+11 49.0	2.038	2.955	9.1	18.4
10 28	23 33.75	+10 46.6	2.104	2.949	12.0	18.6

270152 2001 SZ_{90} 9 21.7 345°.77 1°.7/22.9 18

8 19	0 17.96	+ 4 27.0	1.228	2.108	17.9	20.4
8 29	0 14.16	+ 4 27.8	1.160	2.100	13.6	20.1
9 8	0 7.71	+ 4 10.2	1.112	2.093	8.6	19.8
9 18	23 59.37	+ 3 37.3	1.086	2.087	3.3	19.5
9 28	23 50.43	+ 2 55.3	1.084	2.082	3.4	19.5
10 8	23 42.33	+ 2 12.6	1.106	2.078	8.7	19.8
10 18	23 36.32	+ 1 37.4	1.150	2.075	13.8	20.1
10 28	23 33.24	+ 1 15.9	1.215	2.073	18.1	20.3

362582 2010 VJ_{138} 9 21.7 49°.00 5°.3/27.5 18

8 19	0 17.58	+16 46.1	2.007	2.805	15.1	20.2
8 29	0 12.97	+16 58.6	1.936	2.813	12.3	20.0
9 8	0 6.56	+16 50.4	1.886	2.821	9.3	19.8
9 18	23 58.99	+16 21.9	1.859	2.829	6.5	19.7
9 28	23 51.10	+15 35.6	1.859	2.838	5.3	19.6
10 8	23 43.82	+14 37.2	1.885	2.847	6.7	19.8
10 18	23 37.93	+13 33.4	1.938	2.855	9.5	19.9
10 28	23 34.04	+12 31.4	2.015	2.865	12.3	20.1

317864 2003 UC_{26} 9 21.7 2°.22 0°.7/22.5 18

8 19	0 12.41	+ 6 42.8	1.366	2.241	16.7	20.0
8 29	0 9.74	+ 5 32.2	1.302	2.240	12.6	19.8
9 8	0 4.88	+ 3 57.5	1.258	2.239	7.8	19.5
9 18	23 58.55	+ 2 5.6	1.238	2.240	2.5	19.2
9 28	23 51.83	+ 0 7.2	1.243	2.241	3.1	19.2
10 8	23 45.87	− 1 45.4	1.274	2.243	8.3	19.6
10 18	23 41.65	− 3 21.5	1.329	2.246	13.0	19.8
10 28	23 39.85	− 4 34.1	1.406	2.250	16.9	20.1

296694 2009 SV_{253} 9 21.7 312°.37 0°.5/20.8 18

8 19	0 10.02	− 0 58.9	3.997	4.855	7.0	20.8
8 29	0 6.67	− 1 30.2	3.914	4.847	5.1	20.6
9 8	0 2.51	− 2 6.1	3.858	4.840	3.0	20.5
9 18	23 57.84	− 2 44.5	3.830	4.833	0.8	20.3
9 28	23 53.01	− 3 22.6	3.832	4.826	1.7	20.4
10 8	23 48.43	− 3 57.9	3.865	4.819	3.9	20.5
10 18	23 44.42	− 4 28.0	3.925	4.812	6.0	20.7
10 28	23 41.32	− 4 51.0	4.011	4.805	7.8	20.8

516584 2007 EQ_{177} 9 21.7 162°.98 2°.5/25.5 18

8 19	0 14.87	+12 41.9	2.708	3.514	11.4	22.4
8 29	0 10.54	+12 2.7	2.626	3.518	8.9	22.2
9 8	0 4.94	+11 8.0	2.568	3.521	6.2	22.1
9 18	23 58.52	+10 0.1	2.537	3.524	3.5	21.9
9 28	23 51.89	+ 8 42.7	2.535	3.527	2.7	21.8
10 8	23 45.67	+ 7 21.4	2.563	3.530	4.8	22.0
10 18	23 40.44	+ 6 1.6	2.620	3.532	7.6	22.2
10 28	23 36.65	+ 4 48.6	2.703	3.534	10.1	22.4

521066 2015 DB_{239} 9 21.7 200°.54 0°.2/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 21.46	+ 1 38.3	1.761	2.623	14.2	22.5
8 29	0 16.00	+ 1 5.8	1.687	2.620	10.5	22.3
9 8	0 8.47	+ 0 20.6	1.636	2.617	6.3	22.0
9 18	23 59.54	− 0 33.0	1.611	2.614	1.7	21.7
9 28	23 50.19	− 1 28.6	1.614	2.610	3.0	21.8
10 8	23 41.52	− 2 19.3	1.644	2.606	7.6	22.1
10 18	23 34.44	− 2 59.5	1.701	2.601	11.7	22.3
10 28	23 29.66	− 3 25.0	1.779	2.596	15.1	22.6

75161 1999 VH_{115} 9 21.7 344°.01 9°.2/29.9 18

8 19	0 15.04	+21 29.7	1.395	2.198	20.3	18.9
8 29	0 12.00	+22 13.4	1.317	2.188	17.3	18.7
9 8	0 6.44	+22 26.8	1.256	2.179	14.1	18.5
9 18	23 59.04	+22 6.2	1.215	2.171	11.0	18.3
9 28	23 50.95	+21 12.3	1.196	2.164	9.3	18.2
10 8	23 43.53	+19 51.8	1.199	2.158	10.1	18.2
10 18	23 38.00	+18 15.5	1.226	2.153	12.9	18.4
10 28	23 35.27	+16 36.2	1.273	2.149	16.3	18.6

516362 2017 CS_{4} 9 21.7 46°.24 3°.5/25.8 18

8 19	0 16.71	+12 19.9	2.182	2.999	13.4	20.5
8 29	0 12.17	+12 19.4	2.109	3.004	10.6	20.3
9 8	0 6.03	+12 2.2	2.057	3.010	7.5	20.1
9 18	23 58.84	+11 29.7	2.031	3.015	4.6	19.9
9 28	23 51.37	+10 45.1	2.032	3.021	3.6	19.9
10 8	23 44.43	+ 9 53.4	2.061	3.027	5.8	20.0
10 18	23 38.73	+ 9 0.4	2.117	3.033	8.8	20.2
10 28	23 34.84	+ 8 11.8	2.197	3.039	11.7	20.4

381733 2009 RU_{45} 9 21.7 38°.64 0°.1/21.8 16

8 19	0 21.27	+ 1 16.1	1.285	2.166	17.2	21.1
8 29	0 16.28	+ 1 2.4	1.232	2.175	12.7	20.9
9 8	0 8.76	+ 0 34.4	1.199	2.184	7.6	20.6
9 18	23 59.62	− 0 2.9	1.190	2.193	2.1	20.3
9 28	23 50.16	− 0 42.5	1.206	2.203	3.4	20.5
10 8	23 41.74	− 1 16.6	1.247	2.213	8.7	20.8
10 18	23 35.44	− 1 39.3	1.311	2.224	13.4	21.1
10 28	23 31.96	− 1 46.8	1.395	2.235	17.3	21.4

490671 2010 JE_{41} 9 21.7 63°.80 0°.6/22.8 18

8 19	0 12.89	+ 5 27.4	2.844	3.686	10.0	21.3
8 29	0 8.94	+ 4 40.7	2.786	3.707	7.4	21.2
9 8	0 3.91	+ 3 44.0	2.753	3.727	4.6	21.1
9 18	23 58.23	+ 2 40.5	2.747	3.748	1.6	20.9
9 28	23 52.43	+ 1 34.6	2.772	3.769	1.7	20.9
10 8	23 47.08	+ 0 30.8	2.826	3.790	4.6	21.1
10 18	23 42.63	− 0 26.9	2.908	3.811	7.3	21.4
10 28	23 39.47	− 1 15.1	3.016	3.832	9.6	21.5

35922 1999 JO_{102} 9 21.8 44°.56 2°.3/19.8 18 R

8 19	0 18.61	− 2 46.6	1.447	2.335	15.2	18.8
8 29	0 14.09	− 3 40.8	1.394	2.343	11.0	18.6
9 8	0 7.36	− 4 45.2	1.364	2.351	6.4	18.3
9 18	23 59.23	− 5 52.3	1.357	2.359	2.4	18.1
9 28	23 50.82	− 6 53.7	1.378	2.368	4.7	18.3
10 8	23 43.32	− 7 41.6	1.423	2.378	9.2	18.6
10 18	23 37.66	− 8 11.1	1.492	2.387	13.3	18.8
10 28	23 34.47	− 8 20.2	1.582	2.397	16.8	19.1

92402 2000 JC_{28} 9 21.8 53°.87 1°.1/21.0 18

8 19	0 23.59	− 0 59.0	1.135	2.025	18.3	19.2
8 29	0 18.18	− 1 20.1	1.088	2.036	13.4	18.9
9 8	0 9.96	− 1 54.2	1.061	2.047	7.9	18.6
9 18	23 59.95	− 2 34.9	1.056	2.059	2.1	18.3
9 28	23 49.67	− 3 13.7	1.076	2.072	4.3	18.5
10 8	23 40.64	− 3 42.6	1.120	2.084	9.8	18.9
10 18	23 34.05	− 3 56.2	1.186	2.097	14.7	19.2
10 28	23 30.58	− 3 51.9	1.272	2.110	18.7	19.5

443501 2014 JU_{35} 9 21.8 52°.21 1°.6/23.5 18

8 19	0 16.30	+ 7 29.4	1.912	2.759	13.9	21.3
8 29	0 12.05	+ 6 54.1	1.840	2.761	10.6	21.1
9 8	0 6.03	+ 6 2.2	1.790	2.763	6.8	20.9
9 18	23 58.86	+ 4 57.0	1.766	2.765	2.9	20.6
9 28	23 51.38	+ 3 44.2	1.770	2.767	2.5	20.6
10 8	23 44.49	+ 2 31.2	1.801	2.769	6.3	20.9
10 18	23 38.98	+ 1 24.6	1.859	2.771	10.1	21.1
10 28	23 35.44	+ 0 30.0	1.940	2.773	13.4	21.3

318362 2004 TO_{357} 9 21.8 184°.22 2°.2/19.4 18

8 19	0 18.92	− 6 14.0	2.343	3.214	10.8	21.1
8 29	0 13.63	− 6 41.1	2.274	3.214	7.8	20.9
9 8	0 6.83	− 7 11.8	2.231	3.214	4.7	20.7
9 18	23 59.06	− 7 42.0	2.215	3.214	2.2	20.5
9 28	23 51.06	− 8 7.2	2.228	3.214	3.8	20.6
10 8	23 43.59	− 8 23.7	2.269	3.214	6.9	20.8
10 18	23 37.32	− 8 28.9	2.337	3.213	9.9	21.0
10 28	23 32.76	− 8 21.5	2.428	3.213	12.5	21.2

285467 1999 YX_{23} 9 21.8 304°.90 0°.4/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 16.93	+ 1 27.0	1.605	2.480	14.6	21.5
8 29	0 13.01	+ 0 49.6	1.518	2.459	10.9	21.2
9 8	0 6.88	− 0 2.8	1.454	2.438	6.6	20.9
9 18	23 59.16	− 1 5.5	1.414	2.418	1.8	20.6
9 28	23 50.82	− 2 11.5	1.401	2.397	3.4	20.7
10 8	23 43.02	− 3 12.5	1.414	2.377	8.3	20.9
10 18	23 36.78	− 4 1.2	1.451	2.357	12.8	21.1
10 28	23 32.92	− 4 32.4	1.509	2.338	16.8	21.3

174944 2004 CH_{80} 9 21.8 153°.37 1°.7/20.0 18

8 19	0 19.20	− 3 32.2	2.010	2.883	12.2	20.2
8 29	0 14.05	− 4 8.2	1.944	2.885	8.9	20.0
9 8	0 7.17	− 4 50.9	1.902	2.887	5.2	19.8
9 18	23 59.17	− 5 35.6	1.886	2.888	1.9	19.6
9 28	23 50.90	− 6 16.7	1.899	2.890	3.7	19.7
10 8	23 43.25	− 6 48.9	1.940	2.891	7.4	20.0
10 18	23 36.98	− 7 8.8	2.006	2.892	10.9	20.2
10 28	23 32.67	− 7 14.1	2.096	2.894	13.8	20.4

327063 2004 TG_{204} 9 21.8 244°.88 6°.3/ 1.8 18

8 19	0 16.11	+27 21.9	3.015	3.713	12.6	21.3
8 29	0 11.57	+27 18.8	2.904	3.697	11.0	21.1
9 8	0 5.65	+26 55.7	2.813	3.679	9.2	21.0
9 18	23 58.77	+26 11.4	2.746	3.661	7.5	20.9
9 28	23 51.54	+25 6.8	2.705	3.643	6.4	20.8
10 8	23 44.62	+23 45.5	2.692	3.625	6.6	20.7
10 18	23 38.65	+22 12.6	2.707	3.605	7.9	20.8
10 28	23 34.16	+20 34.6	2.750	3.586	9.8	20.9

379625 2011 DZ_{8} 9 21.8 227°.95 2°.8/19.3 18

8 19	0 22.85	− 6 0.2	1.868	2.742	12.9	21.7
8 29	0 16.99	− 6 40.5	1.791	2.732	9.5	21.5
9 8	0 9.07	− 7 26.5	1.738	2.722	5.7	21.2
9 18	23 59.75	− 8 12.7	1.712	2.711	2.8	21.0
9 28	23 49.99	− 8 52.5	1.714	2.700	4.8	21.1
10 8	23 40.84	− 9 20.4	1.744	2.688	8.7	21.3
10 18	23 33.24	− 9 32.7	1.799	2.676	12.4	21.6
10 28	23 27.89	− 9 27.8	1.876	2.663	15.6	21.7

382609 2002 LQ_{29} 9 21.8 106°.27 4°.2/17.3 18

8 19	0 20.91	−10 12.1	1.983	2.863	12.0	21.3
8 29	0 15.16	−11 21.2	1.941	2.884	8.8	21.1
9 8	0 7.74	−12 30.9	1.924	2.904	5.7	21.0
9 18	23 59.32	−13 34.7	1.934	2.923	4.2	20.9
9 28	23 50.80	−14 25.8	1.972	2.942	6.0	21.1
10 8	23 43.07	−15 0.0	2.038	2.961	8.9	21.3
10 18	23 36.84	−15 15.1	2.128	2.979	11.8	21.5
10 28	23 32.61	−15 11.3	2.240	2.996	14.3	21.7

329076 2011 BL_{17} 9 21.8 320°.15 2°.9/18.7 18

8 19	0 14.99	− 5 37.2	1.928	2.814	12.1	20.5
8 29	0 11.17	− 6 33.9	1.852	2.799	8.8	20.3
9 8	0 5.58	− 7 37.7	1.799	2.785	5.3	20.0
9 18	23 58.78	− 8 42.5	1.772	2.771	2.9	19.9
9 28	23 51.59	− 9 41.3	1.773	2.757	4.9	20.0
10 8	23 44.91	−10 27.8	1.800	2.744	8.5	20.2
10 18	23 39.53	−10 57.8	1.852	2.731	12.0	20.3
10 28	23 36.10	−11 8.9	1.926	2.719	15.0	20.5

343736 2011 FZ_{8} 9 21.8 78°.87 3°.3/25.4 16

8 19	0 16.56	+13 44.1	1.643	2.471	16.6	21.1
8 29	0 12.44	+12 46.9	1.579	2.483	13.0	20.9
9 8	0 6.33	+11 23.9	1.536	2.496	8.9	20.7
9 18	23 58.97	+ 9 39.2	1.517	2.508	4.9	20.5
9 28	23 51.34	+ 7 40.8	1.526	2.520	3.5	20.5
10 8	23 44.50	+ 5 39.6	1.562	2.533	6.8	20.7
10 18	23 39.28	+ 3 46.0	1.625	2.545	10.8	21.0
10 28	23 36.29	+ 2 8.4	1.712	2.557	14.3	21.2

220351 2003 HK_{22} 9 21.8 199°.33 1°.2/24.5 18

8 19	0 9.39	+ 8 36.6	4.528	5.344	7.0	20.2
8 29	0 6.14	+ 8 13.2	4.443	5.344	5.4	20.1
9 8	0 2.19	+ 7 42.4	4.382	5.344	3.6	20.0
9 18	23 57.79	+ 7 5.6	4.350	5.343	1.8	19.9
9 28	23 53.27	+ 6 24.7	4.348	5.343	1.4	19.8
10 8	23 48.97	+ 5 42.2	4.376	5.342	3.0	20.0
10 18	23 45.18	+ 5 0.6	4.434	5.342	4.8	20.1
10 28	23 42.19	+ 4 22.2	4.518	5.341	6.5	20.2

347046 2010 EU_{123} 9 21.8 238°.06 2°.0/19.6 18

8 19	0 17.46	− 2 3.4	1.897	2.772	12.7	20.9
8 29	0 12.98	− 3 13.1	1.821	2.764	9.3	20.6
9 8	0 6.66	− 4 33.6	1.770	2.755	5.4	20.4
9 18	23 59.09	− 5 58.6	1.745	2.747	2.1	20.1
9 28	23 51.12	− 7 20.4	1.749	2.738	4.2	20.3
10 8	23 43.71	− 8 31.3	1.780	2.729	8.2	20.5
10 18	23 37.69	− 9 25.7	1.837	2.719	11.9	20.7
10 28	23 33.70	−10 0.4	1.916	2.710	15.1	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
473860 2016 EL_{133}			9 21.8	83°.64	1°.3/22.7	17
	h m	° ′			°	m
8 19	0 24.33	+ 5 4.7	1.304	2.169	18.0	21.5
8 29	0 18.38	+ 4 41.3	1.259	2.190	13.5	21.3
9 8	0 9.92	+ 3 59.4	1.233	2.211	8.3	21.1
9 18	23 59.96	+ 3 3.9	1.231	2.232	3.0	20.8
9 28	23 49.82	+ 2 2.7	1.255	2.253	3.2	20.9
10 8	23 40.87	+ 1 4.9	1.305	2.273	8.3	21.2
10 18	23 34.13	+ 0 17.8	1.379	2.293	12.8	21.6
10 28	23 30.24	− 0 13.5	1.474	2.312	16.6	21.9
365951 2012 BD_{8}			9 21.8	139°.22	0°.1/21.8	15
8 19	0 17.17	+ 1 56.6	2.223	3.080	11.8	22.0
8 29	0 12.45	+ 1 27.6	2.151	3.082	8.7	21.8
9 8	0 6.20	+ 0 48.5	2.104	3.084	5.2	21.6
9 18	23 58.94	+ 0 2.8	2.083	3.086	1.5	21.3
9 28	23 51.41	− 0 44.7	2.091	3.088	2.4	21.4
10 8	23 44.42	− 1 29.0	2.128	3.089	6.1	21.7
10 18	23 38.62	− 2 5.5	2.191	3.091	9.4	21.9
10 28	23 34.57	− 2 30.9	2.278	3.092	12.3	22.1
264081 2009 SP_{238}			9 21.8	328°.72	4°.0/17.3	18
8 19	0 13.25	− 7 21.1	1.781	2.676	12.4	19.4
8 29	0 10.03	− 8 42.4	1.708	2.659	9.1	19.2
9 8	0 4.97	−10 10.9	1.657	2.643	5.7	19.0
9 18	23 58.63	−11 39.1	1.633	2.628	4.0	18.8
9 28	23 51.87	−12 57.9	1.636	2.612	6.2	18.9
10 8	23 45.64	−14 0.0	1.664	2.598	9.8	19.1
10 18	23 40.79	−14 40.3	1.716	2.584	13.3	19.3
10 28	23 37.96	−14 57.0	1.788	2.571	16.4	19.5
521800 2015 TR_{72}			9 21.8	233°.24	1°.9/24.3	18
8 19	0 15.77	+ 8 53.4	2.758	3.581	10.8	21.9
8 29	0 11.27	+ 8 33.3	2.666	3.571	8.3	21.7
9 8	0 5.44	+ 8 0.8	2.598	3.561	5.6	21.5
9 18	23 58.73	+ 7 17.7	2.557	3.551	2.8	21.3
9 28	23 51.73	+ 6 27.0	2.545	3.540	2.3	21.2
10 8	23 45.07	+ 5 33.3	2.563	3.529	4.8	21.4
10 18	23 39.34	+ 4 41.0	2.609	3.518	7.7	21.6
10 28	23 35.04	+ 3 54.4	2.680	3.506	10.3	21.7
299622 2006 JS_{32}			9 21.8	12°.10	4°.2/17.5	18
8 19	0 16.02	− 6 51.5	1.589	2.483	13.7	20.4
8 29	0 12.12	− 8 20.8	1.533	2.484	9.9	20.1
9 8	0 6.20	− 9 57.0	1.499	2.485	6.2	19.9
9 18	23 58.96	−11 31.2	1.492	2.487	4.2	19.8
9 28	23 51.40	−12 53.5	1.511	2.489	6.5	20.0
10 8	23 44.58	−13 56.2	1.556	2.491	10.3	20.2
10 18	23 39.38	−14 34.9	1.624	2.493	13.9	20.4
10 28	23 36.44	−14 48.5	1.711	2.496	17.0	20.7
380425 2003 FQ_{76}			9 21.8	187°.01	1°.5/23.1	17
8 19	0 22.22	+ 5 21.5	1.947	2.790	13.8	21.4
8 29	0 16.42	+ 5 12.8	1.870	2.790	10.5	21.2
9 8	0 8.69	+ 4 50.7	1.816	2.789	6.7	20.9
9 18	23 59.65	+ 4 17.6	1.789	2.788	2.7	20.7
9 28	23 50.23	+ 3 37.8	1.790	2.787	2.6	20.7
10 8	23 41.43	+ 2 56.9	1.819	2.785	6.5	20.9
10 18	23 34.10	+ 2 20.3	1.875	2.782	10.4	21.1
10 28	23 28.92	+ 1 52.8	1.955	2.779	13.7	21.4
483949 2006 BU_{133}			9 21.8	268°.58	0°.7/20.9	18
8 19	0 15.87	− 0 23.6	2.341	3.206	11.0	21.8
8 29	0 11.49	− 1 1.6	2.263	3.199	8.1	21.6
9 8	0 5.63	− 1 48.2	2.209	3.192	4.8	21.3
9 18	23 58.79	− 2 39.5	2.182	3.185	1.3	21.1
9 28	23 51.66	− 3 30.7	2.184	3.178	2.7	21.2
10 8	23 44.97	− 4 16.6	2.215	3.172	6.2	21.4
10 18	23 39.39	− 4 53.1	2.272	3.165	9.5	21.6
10 28	23 35.44	− 5 17.2	2.353	3.158	12.3	21.8
42114 2001 BH_{4}			9 21.8	294°.03	1°.0/19.8	18
8 19	0 11.06	− 4 38.4	4.309	5.172	6.4	19.6
8 29	0 7.36	− 5 1.8	4.236	5.172	4.6	19.5
9 8	0 2.92	− 5 27.7	4.189	5.172	2.7	19.4
9 18	23 58.02	− 5 54.1	4.171	5.172	1.1	19.2
9 28	23 52.99	− 6 18.7	4.183	5.172	2.0	19.3
10 8	23 48.21	− 6 39.4	4.225	5.172	3.9	19.5
10 18	23 43.98	− 6 54.4	4.296	5.171	5.8	19.6
10 28	23 40.62	− 7 2.4	4.392	5.171	7.4	19.7
36170 1999 RC_{242}			9 21.8	93°.68	4°.0/26.7	18
8 19	0 16.56	+14 56.1	2.203	3.006	13.8	18.4
8 29	0 12.09	+14 45.5	2.128	3.012	11.1	18.2
9 8	0 6.02	+14 16.1	2.075	3.019	8.0	18.0
9 18	23 58.91	+13 29.2	2.047	3.026	5.2	17.9
9 28	23 51.53	+12 28.2	2.046	3.032	4.1	17.8
10 8	23 44.69	+11 19.0	2.074	3.039	5.9	18.0
10 18	23 39.09	+10 7.9	2.128	3.046	8.8	18.2
10 28	23 35.28	+ 9 1.4	2.208	3.052	11.6	18.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
69525 1997 GF_{9}			9 21.8	243°.25	2°.8/24.9	18
	h m	° ′			°	m
8 19	0 16.49	+11 53.5	1.965	2.790	14.4	19.5
8 29	0 12.29	+11 12.1	1.878	2.782	11.3	19.3
9 8	0 6.27	+10 9.6	1.813	2.774	7.7	19.1
9 18	23 59.01	+ 8 48.4	1.773	2.765	4.1	18.8
9 28	23 51.34	+ 7 14.2	1.761	2.756	3.1	18.7
10 8	23 44.18	+ 5 35.1	1.778	2.747	6.3	18.9
10 18	23 38.36	+ 3 59.4	1.822	2.738	10.1	19.1
10 28	23 34.52	+ 2 34.7	1.890	2.728	13.5	19.3
515663 2014 OM_{226}			9 21.8	51°.53	3°.5/18.2	18
8 19	0 17.73	− 8 46.6	2.012	2.896	11.7	20.7
8 29	0 12.89	− 9 34.9	1.964	2.910	8.5	20.6
9 8	0 6.43	−10 25.0	1.941	2.924	5.3	20.4
9 18	23 59.01	−11 11.5	1.944	2.938	3.5	20.3
9 28	23 51.45	−11 48.6	1.975	2.953	5.2	20.5
10 8	23 44.58	−12 12.0	2.033	2.968	8.2	20.7
10 18	23 39.09	−12 19.5	2.116	2.983	11.2	20.9
10 28	23 35.48	−12 10.6	2.220	2.998	13.8	21.1
328055 2007 TB_{227}			9 21.8	245°.88	0°.8/21.1	17
8 19	0 23.42	− 0 22.3	1.561	2.432	15.2	21.8
8 29	0 17.84	− 0 48.7	1.481	2.420	11.3	21.6
9 8	0 9.82	− 1 27.2	1.424	2.407	6.8	21.3
9 18	0 0.05	− 2 13.1	1.391	2.394	1.8	20.9
9 28	23 49.66	− 2 59.6	1.385	2.381	3.7	21.0
10 8	23 39.94	− 3 39.5	1.406	2.366	8.7	21.3
10 18	23 32.02	− 4 6.8	1.452	2.352	13.3	21.5
10 28	23 26.74	− 4 17.6	1.519	2.337	17.2	21.8
233345 2006 DU_{20}			9 21.8	51°.37	2°.6/23.9	18
8 19	0 20.88	+ 7 18.2	1.556	2.408	16.2	19.9
8 29	0 15.74	+ 7 21.3	1.494	2.416	12.5	19.7
9 8	0 8.40	+ 7 6.9	1.453	2.425	8.2	19.5
9 18	23 59.61	+ 6 37.4	1.437	2.433	3.9	19.3
9 28	23 50.48	+ 5 57.5	1.446	2.442	3.3	19.3
10 8	23 42.17	+ 5 14.1	1.482	2.451	7.3	19.5
10 18	23 35.67	+ 4 33.9	1.543	2.461	11.4	19.8
10 28	23 31.64	+ 4 3.0	1.626	2.470	15.0	20.1
1821 Aconcagua			9 21.8	50°.77	1°.6/23.0	18
8 19	0 21.58	+ 5 24.3	1.209	2.082	18.6	16.2
8 29	0 16.50	+ 5 8.9	1.167	2.102	14.0	15.9
9 8	0 8.88	+ 4 33.9	1.144	2.123	8.7	15.7
9 18	23 59.72	+ 3 44.1	1.144	2.145	3.3	15.5
9 28	23 50.38	+ 2 47.4	1.169	2.167	3.3	15.5
10 8	23 42.26	+ 1 53.0	1.219	2.189	8.3	15.9
10 18	23 36.37	+ 1 8.7	1.292	2.212	13.0	16.2
10 28	23 33.33	+ 0 39.7	1.385	2.234	16.9	16.6
410692 2008 XM_{48}			9 21.8	209°.69	5°.3/15.5	18
8 19	0 19.07	−14 12.4	2.183	3.066	11.0	22.0
8 29	0 13.96	−15 30.6	2.120	3.061	8.3	21.8
9 8	0 7.16	−16 48.2	2.083	3.055	6.0	21.7
9 18	23 59.26	−17 58.2	2.073	3.049	5.4	21.6
9 28	23 51.05	−18 53.8	2.090	3.043	7.1	21.7
10 8	23 43.41	−19 30.4	2.135	3.036	9.7	21.9
10 18	23 37.07	−19 45.8	2.203	3.029	12.4	22.1
10 28	23 32.62	−19 40.2	2.292	3.021	14.7	22.2
390347 2013 CU_{111}			9 21.8	325°.50	1°.2/19.5	16
8 19	0 9.86	− 4 26.9	4.098	4.964	6.7	21.0
8 29	0 6.56	− 5 3.8	4.021	4.960	4.8	20.9
9 8	0 2.49	− 5 43.8	3.972	4.956	2.8	20.8
9 18	23 57.93	− 6 24.5	3.951	4.952	1.2	20.6
9 28	23 53.23	− 7 3.2	3.961	4.948	2.2	20.7
10 8	23 48.76	− 7 37.2	4.000	4.944	4.2	20.9
10 18	23 44.87	− 8 4.6	4.067	4.940	6.1	21.0
10 28	23 41.85	− 8 23.8	4.159	4.937	7.8	21.1
96 Aegle			9 21.8	198°.90	4°.4/27.1	18
8 19	0 19.83	+16 5.7	2.692	3.470	12.2	13.3
8 29	0 14.33	+16 26.3	2.602	3.467	10.0	13.1
9 8	0 7.32	+16 32.0	2.535	3.464	7.5	12.9
9 18	23 59.31	+16 22.4	2.494	3.461	5.3	12.8
9 28	23 50.94	+15 59.0	2.481	3.457	4.5	12.7
10 8	23 42.96	+15 25.1	2.498	3.453	5.7	12.8
10 18	23 36.03	+14 45.1	2.542	3.449	8.0	12.9
10 28	23 30.71	+14 4.0	2.612	3.444	10.4	13.1
239933 2000 XR_{5}			9 21.8	314°.98	2°.3/20.2	18
8 19	0 21.16	− 4 39.1	1.387	2.277	15.6	19.8
8 29	0 16.59	− 4 52.9	1.301	2.249	11.6	19.4
9 8	0 9.31	− 5 14.3	1.235	2.222	7.0	19.1
9 18	23 59.97	− 5 38.3	1.193	2.195	2.6	18.8
9 28	23 49.77	− 5 57.7	1.176	2.168	4.9	18.8
10 8	23 40.13	− 6 6.0	1.183	2.142	10.1	19.1
10 18	23 32.39	− 5 58.4	1.214	2.117	15.1	19.3
10 28	23 27.55	− 5 32.5	1.264	2.093	19.4	19.5

39977 1998 HR_9 9 21.8 12°.25 13°.5/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 17.06	−26 37.4	1.092	1.999	17.4	16.6
8 29	0 13.62	−28 23.3	1.069	2.004	14.9	16.5
9 8	0 7.32	−29 48.3	1.065	2.011	13.6	16.4
9 18	23 59.30	−30 39.4	1.081	2.019	14.0	16.5
9 28	23 51.14	−30 48.3	1.117	2.029	15.8	16.6
10 8	23 44.34	−30 14.2	1.171	2.041	18.3	16.8
10 18	23 39.98	−29 1.8	1.242	2.054	20.8	17.1
10 28	23 38.62	−27 18.9	1.328	2.069	23.0	17.3

183326 2002 VK_{52} 9 21.8 308°.96 6°.2/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.06	−11 40.4	1.367	2.267	15.1	19.7
8 29	0 15.55	−12 52.4	1.305	2.256	11.3	19.4
9 8	0 8.49	−14 6.8	1.264	2.246	7.7	19.2
9 18	23 59.69	−15 13.8	1.248	2.236	6.2	19.1
9 28	23 50.37	−16 2.9	1.256	2.226	8.6	19.2
10 8	23 41.91	−16 27.2	1.288	2.217	12.5	19.4
10 18	23 35.45	−16 24.0	1.342	2.208	16.4	19.6
10 28	23 31.77	−15 53.9	1.413	2.200	19.8	19.9

475366 2006 DU_{45} 9 21.8 21°.78 1°.3/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.17	+ 1 50.5	1.539	2.400	15.9	20.5
8 29	0 19.73	+ 2 22.2	1.472	2.402	12.0	20.3
9 8	0 10.84	+ 2 43.4	1.427	2.405	7.5	20.0
9 18	0 0.32	+ 2 55.7	1.407	2.408	2.7	19.7
9 28	23 49.36	+ 3 2.2	1.414	2.412	3.0	19.8
10 8	23 39.28	+ 3 7.1	1.449	2.415	7.7	20.1
10 18	23 31.16	+ 3 14.5	1.508	2.420	12.1	20.3
10 28	23 25.75	+ 3 28.1	1.590	2.424	15.8	20.6

202958 1999 RQ_{109} 9 21.8 7°.71 8°.9/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.93	+14 29.9	1.114	1.961	21.6	17.9
8 29	0 16.70	+16 11.1	1.058	1.963	17.9	17.7
9 8	0 9.43	+17 27.3	1.018	1.966	13.9	17.5
9 18	23 59.99	+18 13.7	0.999	1.971	10.3	17.3
9 28	23 49.87	+18 28.9	1.001	1.978	9.0	17.3
10 8	23 40.77	+18 18.0	1.025	1.987	10.8	17.4
10 18	23 34.11	+17 50.1	1.071	1.998	14.3	17.7
10 28	23 30.82	+17 16.1	1.135	2.010	17.9	17.9

384379 2009 VX_{26} 9 21.8 209°.99 1°.4/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.64	+ 5 17.2	1.687	2.541	15.1	21.4
8 29	0 15.54	+ 4 59.6	1.613	2.539	11.4	21.2
9 8	0 8.30	+ 4 26.2	1.561	2.537	7.2	20.9
9 18	23 59.62	+ 3 40.1	1.535	2.535	2.8	20.6
9 28	23 50.50	+ 2 46.9	1.535	2.533	2.8	20.6
10 8	23 42.06	+ 1 53.7	1.563	2.530	7.2	20.9
10 18	23 35.27	+ 1 7.2	1.616	2.527	11.4	21.2
10 28	23 30.82	+ 0 32.7	1.692	2.524	15.1	21.4

261718 2006 AA_{22} 9 21.8 95°.33 9°.6/25.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 39.07	+13 16.6	1.067	1.895	23.6	19.4
8 29	0 30.50	+15 26.7	1.010	1.905	19.4	19.2
9 8	0 17.90	+17 14.4	0.970	1.915	14.7	19.0
9 18	0 2.39	+18 31.0	0.953	1.925	10.8	18.8
9 28	23 45.98	+19 12.1	0.959	1.934	9.7	18.8
10 8	23 31.00	+19 21.3	0.990	1.944	12.3	19.0
10 18	23 19.32	+19 8.3	1.042	1.953	16.3	19.2
10 28	23 12.03	+18 46.0	1.114	1.962	20.2	19.5

513743 2012 UM_{88} 9 21.8 295°.69 2°.8/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.92	− 5 28.6	1.664	2.547	13.8	20.9
8 29	0 15.07	− 6 7.5	1.590	2.536	10.1	20.7
9 8	0 8.06	− 6 53.3	1.539	2.525	6.0	20.4
9 18	23 59.56	− 7 39.9	1.514	2.514	2.9	20.2
9 28	23 50.59	− 8 20.4	1.515	2.503	5.0	20.3
10 8	23 42.28	− 8 48.4	1.543	2.492	9.1	20.5
10 18	23 35.61	− 8 59.9	1.595	2.481	13.1	20.8
10 28	23 31.29	− 8 53.0	1.667	2.471	16.5	21.0

162173 Ryugu 9 21.8 277°.18 28°.2/25.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.96	+23 58.7	0.380	1.287	37.5	19.3
8 29	0 17.91	+27 30.4	0.326	1.261	34.6	18.8
9 8	0 13.35	+30 45.1	0.277	1.233	31.5	18.3
9 18	0 2.14	+33 21.6	0.235	1.204	29.0	17.8
9 28	23 44.47	+34 48.9	0.201	1.174	28.3	17.4
10 8	23 22.69	+34 36.8	0.173	1.144	30.7	17.1
10 18	23 1.11	+32 24.3	0.150	1.113	36.4	16.9
10 28	22 44.88	+28 16.9	0.132	1.084	44.5	16.8

320018 2007 DZ_{64} 9 21.8 321°.07 1°.3/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.43	+ 4 9.4	1.993	2.845	13.2	21.1
8 29	0 14.39	+ 4 12.7	1.914	2.838	10.0	20.9
9 8	0 7.52	+ 4 4.5	1.857	2.832	6.3	20.7
9 18	23 59.40	+ 3 46.9	1.826	2.826	2.5	20.4
9 28	23 50.89	+ 3 23.4	1.823	2.820	2.5	20.4
10 8	23 42.91	+ 2 58.8	1.848	2.815	6.3	20.7
10 18	23 36.29	+ 2 37.7	1.900	2.810	10.1	20.9
10 28	23 31.68	+ 2 24.1	1.974	2.805	13.3	21.1

244427 2002 QV_{78} 9 21.8 30°.58 0°.5/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.56	+ 3 0.9	1.628	2.496	14.9	20.9
8 29	0 13.97	+ 2 38.3	1.565	2.500	11.1	20.7
9 8	0 7.33	+ 2 1.9	1.524	2.505	6.8	20.4
9 18	23 59.35	+ 1 15.5	1.507	2.510	2.1	20.1
9 28	23 51.05	+ 0 25.5	1.518	2.515	2.8	20.2
10 8	23 43.49	− 0 21.3	1.555	2.521	7.4	20.5
10 18	23 37.58	− 0 58.9	1.616	2.527	11.5	20.8
10 28	23 33.97	− 1 22.9	1.700	2.533	15.0	21.0

508016 2015 BH_{352} 9 21.8 326°.94 6°.8/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.55	+13 4.1	1.099	1.957	21.1	21.0
8 29	0 14.45	+13 45.9	1.023	1.940	17.2	20.7
9 8	0 8.28	+14 0.5	0.964	1.925	12.8	20.4
9 18	23 59.76	+13 45.4	0.924	1.910	8.4	20.1
9 28	23 50.25	+13 2.4	0.906	1.896	6.9	20.0
10 8	23 41.47	+11 59.8	0.910	1.883	10.0	20.1
10 18	23 34.98	+10 49.4	0.935	1.871	14.9	20.3
10 28	23 31.89	+ 9 43.8	0.979	1.860	19.6	20.6

425024 2009 FK_{66} 9 21.8 171°.56 0°.4/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.60	+ 2 44.1	1.596	2.457	15.5	22.1
8 29	0 17.77	+ 2 20.7	1.528	2.460	11.5	21.9
9 8	0 9.66	+ 1 43.1	1.482	2.462	7.0	21.6
9 18	0 0.02	+ 0 55.4	1.461	2.464	2.1	21.3
9 28	23 49.97	+ 0 3.9	1.468	2.465	3.0	21.4
10 8	23 40.73	− 0 43.9	1.502	2.466	7.8	21.7
10 18	23 33.29	− 1 22.0	1.561	2.466	12.2	22.0
10 28	23 28.40	− 1 45.9	1.642	2.465	15.9	22.2

252683 2002 AE_{166} 9 21.8 234°.28 1°.4/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.61	+ 8 34.6	4.428	5.243	7.1	20.4
8 29	0 7.08	+ 8 22.5	4.341	5.241	5.5	20.2
9 8	0 2.80	+ 8 3.2	4.279	5.239	3.7	20.1
9 18	23 58.05	+ 7 37.7	4.245	5.236	2.0	20.0
9 28	23 53.17	+ 7 7.9	4.240	5.234	1.6	19.9
10 8	23 48.50	+ 6 36.1	4.266	5.232	3.1	20.1
10 18	23 44.36	+ 6 4.5	4.322	5.230	4.9	20.2
10 28	23 41.06	+ 5 35.4	4.404	5.228	6.6	20.3

159833 2003 UL_{90} 9 21.8 132°.42 1°.2/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.43	− 3 1.6	2.590	3.454	10.1	20.4
8 29	0 12.44	− 3 33.4	2.525	3.461	7.3	20.2
9 8	0 6.13	− 4 10.6	2.485	3.468	4.3	20.1
9 18	23 58.99	− 4 49.6	2.473	3.475	1.5	19.9
9 28	23 51.68	− 5 26.2	2.491	3.482	2.9	20.0
10 8	23 44.85	− 5 56.4	2.538	3.489	5.9	20.2
10 18	23 39.07	− 6 17.5	2.612	3.495	8.8	20.4
10 28	23 34.82	− 6 27.4	2.710	3.501	11.2	20.6

398418 2011 SR_{266} 9 21.8 316°.95 0°.3/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.73	+ 2 12.9	1.748	2.617	13.9	21.1
8 29	0 12.59	+ 1 26.8	1.675	2.612	10.3	20.9
9 8	0 6.52	+ 0 26.7	1.625	2.608	6.2	20.6
9 18	23 59.15	− 0 42.6	1.601	2.604	1.7	20.3
9 28	23 51.40	− 1 54.0	1.604	2.600	3.0	20.4
10 8	23 44.26	− 2 59.8	1.634	2.596	7.5	20.7
10 18	23 38.60	− 3 53.7	1.689	2.593	11.5	20.9
10 28	23 35.08	− 4 31.0	1.767	2.590	15.0	21.1

290783 2005 VW_{39} 9 21.8 90°.45 3°.3/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.63	+12 17.0	2.157	2.975	13.5	20.3
8 29	0 12.18	+12 1.7	2.082	2.980	10.7	20.1
9 8	0 6.13	+11 29.0	2.029	2.984	7.5	20.0
9 18	23 59.02	+10 40.4	2.002	2.989	4.4	19.8
9 28	23 51.63	+ 9 40.1	2.003	2.994	3.4	19.7
10 8	23 44.78	+ 8 33.8	2.031	2.999	5.8	19.9
10 18	23 39.17	+ 7 27.9	2.087	3.004	8.9	20.1
10 28	23 35.37	+ 6 28.4	2.167	3.008	11.9	20.3

476790 2008 UD_{156} 9 21.8 242°.16 6°.0/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.08	−16 49.7	2.129	3.005	11.5	21.7
8 29	0 17.04	−17 47.1	2.056	2.990	8.9	21.5
9 8	0 9.09	−18 41.4	2.008	2.975	6.7	21.4
9 18	23 59.87	−19 26.0	1.987	2.959	6.0	21.3
9 28	23 50.25	−19 54.4	1.994	2.942	7.6	21.4
10 8	23 41.21	−20 2.6	2.027	2.925	10.3	21.5
10 18	23 33.60	−19 49.5	2.084	2.908	13.1	21.7
10 28	23 28.07	−19 16.0	2.163	2.889	15.6	21.8

523575 2018 EY_6 9 21.8 238°.86 4°.2/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.38	− 8 44.1	1.996	2.881	11.8	21.0
8 29	0 12.90	−10 12.0	1.926	2.872	8.6	20.8
9 8	0 6.64	−11 45.0	1.881	2.863	5.6	20.6
9 18	23 59.18	−13 15.5	1.863	2.853	4.2	20.5
9 28	23 51.35	−14 35.5	1.873	2.843	6.2	20.6
10 8	23 44.06	−15 38.1	1.910	2.833	9.4	20.8
10 18	23 38.10	−16 19.5	1.972	2.823	12.6	21.0
10 28	23 34.09	−16 38.3	2.055	2.812	15.4	21.2

294217 2007 UL_6 9 21.8 294°.55 5°.8/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 16.12	−11 38.1	1.744	2.640	12.6	20.6
8 29	0 12.20	−13 22.9	1.682	2.631	9.4	20.4
9 8	0 6.31	−15 10.9	1.643	2.622	6.6	20.2
9 18	23 59.10	−16 52.7	1.631	2.613	5.9	20.1
9 28	23 51.49	−18 18.5	1.645	2.604	8.1	20.2
10 8	23 44.50	−19 20.9	1.685	2.595	11.3	20.4
10 18	23 39.01	−19 56.4	1.747	2.587	14.5	20.6
10 28	23 35.69	−20 4.8	1.829	2.579	17.3	20.8

490014 2008 SE_{245} 9 21.8 351°.56 1°.8/25.5 18

8 19	0 10.75	+10 44.1	4.387	5.190	7.4	21.2
8 29	0 7.20	+10 37.5	4.300	5.190	5.8	21.1
9 8	0 2.89	+10 23.0	4.238	5.190	4.0	21.0
9 18	23 58.10	+10 1.5	4.204	5.189	2.4	20.9
9 28	23 53.17	+ 9 34.6	4.199	5.189	1.9	20.8
10 8	23 48.45	+ 9 4.5	4.224	5.189	3.2	20.9
10 18	23 44.29	+ 8 33.5	4.278	5.189	4.9	21.0
10 28	23 40.97	+ 8 4.2	4.359	5.188	6.6	21.2

349620 2008 UY_{116} 9 21.8 219°.04 0°.9/22.6 18

8 19	0 20.78	+ 3 45.0	1.825	2.680	14.1	21.0
8 29	0 15.52	+ 3 32.2	1.750	2.678	10.6	20.8
9 8	0 8.26	+ 3 6.2	1.698	2.675	6.6	20.6
9 18	23 59.65	+ 2 30.1	1.671	2.672	2.3	20.3
9 28	23 50.64	+ 1 49.0	1.672	2.669	2.6	20.3
10 8	23 42.26	+ 1 8.6	1.700	2.666	6.9	20.6
10 18	23 35.40	+ 0 34.6	1.755	2.663	10.9	20.8
10 28	23 30.73	+ 0 11.4	1.832	2.659	14.3	21.0

154937 2004 TO_{48} 9 21.8 261°.94 3°.0/18.6 18

8 19	0 19.25	− 8 43.4	2.296	3.172	10.8	19.9
8 29	0 14.01	− 9 15.7	2.224	3.165	7.9	19.7
9 8	0 7.19	− 9 50.2	2.176	3.158	4.9	19.5
9 18	23 59.33	−10 22.2	2.156	3.152	3.0	19.4
9 28	23 51.18	−10 47.0	2.165	3.145	4.6	19.5
10 8	23 43.55	−11 0.7	2.201	3.138	7.6	19.6
10 18	23 37.14	−11 1.1	2.264	3.131	10.6	19.8
10 28	23 32.50	−10 47.2	2.349	3.124	13.2	20.0

28960 2001 DZ_{81} 9 21.8 348°.65 0°.2/22.3 18

8 19	0 10.58	+ 2 12.0	4.288	5.131	6.8	19.9
8 29	0 7.06	+ 1 53.5	4.207	5.131	5.0	19.8
9 8	0 2.81	+ 1 30.0	4.153	5.130	3.1	19.7
9 18	23 58.08	+ 1 2.9	4.127	5.129	1.0	19.5
9 28	23 53.21	+ 0 34.4	4.132	5.129	1.3	19.5
10 8	23 48.58	+ 0 6.8	4.167	5.128	3.4	19.7
10 18	23 44.50	− 0 17.8	4.230	5.128	5.3	19.8
10 28	23 41.27	− 0 37.5	4.320	5.127	7.1	19.9

484111 2006 SU_{41} 9 21.8 340°.17 4°.0/19.2 17

8 19	0 15.73	− 7 39.2	1.162	2.072	16.4	20.7
8 29	0 12.86	− 7 58.1	1.086	2.045	12.2	20.4
9 8	0 7.19	− 8 22.4	1.030	2.020	7.5	20.0
9 18	23 59.45	− 8 44.9	0.996	1.996	4.0	19.8
9 28	23 50.89	− 8 57.1	0.984	1.974	6.5	19.8
10 8	23 43.06	− 8 51.9	0.995	1.954	11.6	20.1
10 18	23 37.31	− 8 25.4	1.027	1.936	16.6	20.3
10 28	23 34.63	− 7 36.7	1.076	1.920	21.0	20.5

446567 2014 OL_{111} 9 21.8 16°.64 3°.8/17.1 18

8 19	0 14.83	− 8 19.9	2.043	2.931	11.4	20.7
8 29	0 10.90	− 9 41.5	1.984	2.932	8.3	20.5
9 8	0 5.38	−11 7.1	1.951	2.934	5.3	20.3
9 18	23 58.82	−12 29.8	1.944	2.936	3.9	20.2
9 28	23 52.02	−13 42.3	1.965	2.938	5.7	20.4
10 8	23 45.77	−14 38.6	2.013	2.940	8.8	20.6
10 18	23 40.80	−15 15.4	2.085	2.942	11.8	20.8
10 28	23 37.62	−15 31.4	2.179	2.945	14.4	20.9

378173 2006 WN_{106} 9 21.8 11°.00 5°.2/18.2 15

8 19	0 17.95	− 8 10.0	1.043	1.956	17.6	20.6
8 29	0 14.33	− 9 6.9	0.998	1.958	12.9	20.3
9 8	0 7.87	−10 9.2	0.973	1.962	8.0	20.1
9 18	23 59.56	−11 6.6	0.969	1.966	5.2	19.9
9 28	23 50.89	−11 48.0	0.988	1.972	7.8	20.1
10 8	23 43.41	−12 6.0	1.029	1.979	12.4	20.4
10 18	23 38.29	−11 57.6	1.090	1.987	16.9	20.7
10 28	23 36.25	−11 23.7	1.168	1.996	20.7	21.0

119339 2001 SR_{154} 9 21.8 172°.33 1°.1/20.8 18

8 19	0 23.17	− 1 48.4	2.041	2.901	12.6	20.0
8 29	0 17.01	− 2 16.0	1.971	2.905	9.2	19.8
9 8	0 9.02	− 2 51.4	1.926	2.908	5.4	19.6
9 18	23 59.84	− 3 30.4	1.907	2.910	1.6	19.3
9 28	23 50.37	− 4 7.7	1.919	2.912	3.2	19.5
10 8	23 41.55	− 4 38.4	1.958	2.913	7.1	19.7
10 18	23 34.18	− 4 58.6	2.025	2.913	10.7	19.9
10 28	23 28.86	− 5 5.9	2.114	2.913	13.7	20.1

399899 2005 WH_{147} 9 21.8 293°.61 5°.2/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 16.73	−13 13.0	2.065	2.953	11.3	20.5
8 29	0 12.35	−14 26.6	2.001	2.946	8.5	20.3
9 8	0 6.28	−15 40.5	1.962	2.938	6.0	20.2
9 18	23 59.09	−16 47.5	1.950	2.931	5.2	20.1
9 28	23 51.58	−17 40.8	1.965	2.924	7.0	20.2
10 8	23 44.64	−18 15.4	2.006	2.917	9.8	20.4
10 18	23 39.00	−18 29.0	2.071	2.909	12.6	20.5
10 28	23 35.25	−18 21.4	2.156	2.902	15.1	20.7

228823 2003 BF_{65} 9 21.8 295°.14 0°.5/22.2 18

8 19	0 18.81	+ 3 28.6	1.482	2.353	15.9	21.2
8 29	0 14.61	+ 3 1.8	1.399	2.336	12.0	20.9
9 8	0 8.00	+ 2 17.8	1.338	2.319	7.4	20.6
9 18	23 59.64	+ 1 20.6	1.300	2.303	2.3	20.2
9 28	23 50.63	+ 0 16.9	1.289	2.287	3.1	20.3
10 8	23 42.21	− 0 44.3	1.303	2.270	8.4	20.5
10 18	23 35.54	− 1 35.3	1.341	2.254	13.2	20.8
10 28	23 31.48	− 2 10.0	1.400	2.239	17.3	21.0

105332 2000 QR_{84} 9 21.8 309°.63 2°.1/23.5 18

8 19	0 17.41	+ 7 38.5	1.249	2.119	18.3	19.1
8 29	0 13.88	+ 7 9.5	1.175	2.108	14.1	18.8
9 8	0 7.69	+ 6 15.6	1.119	2.097	9.2	18.5
9 18	23 59.57	+ 5 0.2	1.086	2.086	3.9	18.1
9 28	23 50.77	+ 3 31.5	1.078	2.076	3.4	18.1
10 8	23 42.73	+ 2 1.1	1.093	2.066	8.8	18.4
10 18	23 36.70	+ 0 40.2	1.132	2.056	14.0	18.6
10 28	23 33.60	− 0 22.0	1.191	2.047	18.6	18.9

172248 2002 RV_{225} 9 21.8 295°.00 3°.6/24.8 18

8 19	0 20.28	+ 9 40.5	1.819	2.652	15.0	19.7
8 29	0 15.34	+ 9 57.5	1.731	2.639	11.9	19.4
9 8	0 8.28	+ 9 58.1	1.665	2.626	8.2	19.2
9 18	23 59.71	+ 9 42.6	1.623	2.613	4.7	18.9
9 28	23 50.56	+ 9 13.8	1.608	2.600	3.8	18.9
10 8	23 41.91	+ 8 37.0	1.620	2.588	7.0	19.0
10 18	23 34.75	+ 7 58.2	1.658	2.575	10.8	19.2
10 28	23 29.85	+ 7 24.0	1.719	2.563	14.3	19.4

153529 2001 SD_{53} 9 21.8 348°.18 3°.2/19.5 18

8 19	0 21.84	− 6 20.1	1.369	2.261	15.6	19.4
8 29	0 16.78	− 6 48.5	1.308	2.257	11.5	19.2
9 8	0 9.21	− 7 22.9	1.268	2.254	6.9	18.9
9 18	23 59.95	− 7 56.6	1.252	2.252	3.3	18.7
9 28	23 50.26	− 8 21.9	1.261	2.250	5.5	18.8
10 8	23 41.48	− 8 32.8	1.296	2.248	10.1	19.1
10 18	23 34.73	− 8 26.0	1.353	2.247	14.5	19.3
10 28	23 30.75	− 8 0.4	1.430	2.247	18.2	19.6

42662 1998 FQ_{133} 9 21.8 14°.68 2°.5/23.3 18

8 19	0 19.67	+ 4 54.6	1.016	1.904	20.1	17.5
8 29	0 15.74	+ 5 13.7	0.965	1.908	15.4	17.3
9 8	0 8.82	+ 5 12.4	0.932	1.913	9.9	17.0
9 18	23 59.87	+ 4 53.3	0.919	1.920	4.2	16.7
9 28	23 50.45	+ 4 22.8	0.929	1.927	3.8	16.7
10 8	23 42.22	+ 3 49.7	0.962	1.936	9.3	17.1
10 18	23 36.45	+ 3 22.4	1.016	1.947	14.5	17.4
10 28	23 33.97	+ 3 7.7	1.088	1.958	18.9	17.7

40570 1999 RV_{128} 9 21.8 342°.22 2°.8/23.8 18

8 19	0 14.22	+ 6 22.0	1.166	2.049	18.4	17.9
8 29	0 11.68	+ 6 31.6	1.092	2.031	14.3	17.6
9 8	0 6.46	+ 6 20.3	1.036	2.015	9.5	17.3
9 18	23 59.26	+ 5 49.7	1.002	2.001	4.4	17.0
9 28	23 51.32	+ 5 5.3	0.990	1.988	3.7	16.9
10 8	23 44.10	+ 4 16.1	1.001	1.977	8.8	17.2
10 18	23 38.91	+ 3 31.4	1.034	1.967	14.1	17.4
10 28	23 36.70	+ 2 59.3	1.086	1.960	18.7	17.7

169404 2001 XF_{15} 9 21.8 333°.66 3°.8/26.5 18

8 19	0 14.58	+14 8.9	2.387	3.193	12.7	19.8
8 29	0 10.65	+14 4.7	2.301	3.187	10.2	19.6
9 8	0 5.24	+13 43.7	2.236	3.182	7.5	19.4
9 18	23 58.82	+13 6.8	2.197	3.177	4.9	19.2
9 28	23 52.09	+12 17.0	2.185	3.171	3.8	19.2
10 8	23 45.76	+11 18.8	2.201	3.167	5.6	19.3
10 18	23 40.52	+10 17.9	2.244	3.162	8.3	19.4
10 28	23 36.89	+ 9 20.1	2.313	3.158	11.1	19.6

421439 2014 KP_8 9 21.8 219°.09 1°.8/23.9 18

8 19	0 18.83	+ 8 4.1	2.343	3.171	12.2	22.3
8 29	0 13.78	+ 7 37.2	2.252	3.162	9.4	22.1
9 8	0 7.12	+ 6 55.9	2.185	3.152	6.2	21.9
9 18	23 59.36	+ 6 2.4	2.145	3.142	2.9	21.6
9 28	23 51.22	+ 5 0.9	2.134	3.131	2.4	21.6
10 8	23 43.51	+ 3 57.0	2.153	3.119	5.6	21.8
10 18	23 36.94	+ 2 56.3	2.199	3.107	9.0	22.0
10 28	23 32.10	+ 2 4.0	2.271	3.094	12.1	22.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
438309 2006 HS_{24}			9 21.8	55°.18	3°.3/18.9 18	
	h m	° ′			°	m
8 19	0 20.61	− 6 20.3	1.522	2.410	14.5	20.6
8 29	0 15.39	− 7 11.6	1.481	2.430	10.5	20.4
9 8	0 8.10	− 8 7.7	1.464	2.450	6.3	20.3
9 18	23 59.59	− 9 1.3	1.471	2.470	3.4	20.1
9 28	23 50.97	− 9 45.0	1.506	2.491	5.4	20.3
10 8	23 43.35	−10 13.1	1.565	2.511	9.3	20.6
10 18	23 37.55	−10 22.8	1.649	2.532	13.0	20.9
10 28	23 34.14	−10 13.6	1.753	2.553	16.0	21.1
327130 2005 EL_{151}			9 21.8	165°.08	1°.6/20.4 17	
8 19	0 20.51	− 0 35.7	1.563	2.439	14.9	21.5
8 29	0 15.53	− 1 35.8	1.499	2.441	10.9	21.3
9 8	0 8.35	− 2 48.9	1.458	2.444	6.4	21.0
9 18	23 59.72	− 4 8.0	1.443	2.446	2.0	20.8
9 28	23 50.73	− 5 24.5	1.454	2.447	4.1	20.9
10 8	23 42.52	− 6 29.8	1.493	2.448	8.7	21.2
10 18	23 36.07	− 7 17.9	1.555	2.449	12.9	21.5
10 28	23 32.05	− 7 45.4	1.639	2.450	16.5	21.7
351195 2004 DK_{24}			9 21.8	272°.31	0°.9/20.7 18	
8 19	0 16.34	+ 1 48.7	2.082	2.944	12.3	21.1
8 29	0 12.22	+ 0 33.7	1.985	2.920	9.1	20.8
9 8	0 6.34	− 0 56.4	1.913	2.896	5.4	20.6
9 18	23 59.20	− 2 36.4	1.869	2.872	1.5	20.2
9 28	23 51.56	− 4 18.9	1.854	2.847	3.2	20.3
10 8	23 44.29	− 5 55.4	1.867	2.822	7.4	20.5
10 18	23 38.22	− 7 18.8	1.908	2.797	11.2	20.7
10 28	23 34.01	− 8 23.9	1.971	2.771	14.5	20.9
264391 2000 EM_{2}			9 21.8	201°.30	0°.8/22.6 18	
8 19	0 21.78	+ 4 19.3	1.992	2.839	13.4	21.9
8 29	0 16.16	+ 3 53.0	1.912	2.835	10.1	21.7
9 8	0 8.63	+ 3 13.3	1.855	2.830	6.3	21.5
9 18	23 59.82	+ 2 23.3	1.824	2.825	2.2	21.2
9 28	23 50.61	+ 1 28.4	1.822	2.819	2.5	21.2
10 8	23 41.95	+ 0 34.6	1.849	2.813	6.6	21.5
10 18	23 34.71	− 0 12.4	1.903	2.805	10.5	21.7
10 28	23 29.55	− 0 47.7	1.980	2.797	13.8	21.9
155598 2000 CR_{69}			9 21.8	8°.31	0°.5/22.3 18	
8 19	0 16.19	+ 3 0.2	1.904	2.767	13.2	20.2
8 29	0 12.04	+ 2 38.5	1.836	2.768	9.9	20.0
9 8	0 6.15	+ 2 4.6	1.790	2.770	6.0	19.7
9 18	23 59.12	+ 1 22.1	1.770	2.772	1.9	19.5
9 28	23 51.78	+ 0 36.2	1.777	2.775	2.5	19.5
10 8	23 45.04	− 0 7.3	1.812	2.778	6.5	19.8
10 18	23 39.66	− 0 43.3	1.872	2.781	10.2	20.0
10 28	23 36.23	− 1 7.7	1.956	2.785	13.4	20.3
233374 2006 DW_{188}			9 21.8	236°.62	1°.0/20.9 18	
8 19	0 20.68	− 1 1.7	1.893	2.760	13.1	21.6
8 29	0 15.44	− 1 33.3	1.815	2.752	9.7	21.3
9 8	0 8.25	− 2 14.5	1.761	2.744	5.7	21.1
9 18	23 59.73	− 3 1.0	1.732	2.735	1.6	20.8
9 28	23 50.78	− 3 46.9	1.732	2.726	3.3	20.9
10 8	23 42.41	− 4 26.2	1.760	2.717	7.5	21.1
10 18	23 35.49	− 4 54.3	1.813	2.707	11.4	21.4
10 28	23 30.69	− 5 7.8	1.889	2.698	14.7	21.6
399562 2003 SA_{102}			9 21.8	352°.24	9°.5/28.9 17	
8 19	0 26.46	+22 20.6	1.914	2.666	17.2	19.7
8 29	0 20.12	+24 5.7	1.831	2.662	15.0	19.6
9 8	0 11.31	+25 31.1	1.768	2.658	12.5	19.4
9 18	0 0.65	+26 31.7	1.729	2.654	10.5	19.3
9 28	23 49.19	+27 4.5	1.714	2.651	9.5	19.2
10 8	23 38.18	+27 10.9	1.726	2.649	10.2	19.3
10 18	23 28.80	+26 55.8	1.761	2.648	12.1	19.4
10 28	23 21.97	+26 27.3	1.820	2.647	14.4	19.5
168034 2005 JN_{151}			9 21.8	352°.81	7°.7/16.2 18	
8 19	0 24.28	−18 50.1	1.549	2.438	14.3	19.0
8 29	0 18.35	−19 30.4	1.496	2.434	11.2	18.8
9 8	0 10.03	−20 3.0	1.464	2.432	8.6	18.6
9 18	0 0.21	−20 19.8	1.457	2.430	7.7	18.6
9 28	23 50.11	−20 14.4	1.475	2.428	9.4	18.7
10 8	23 40.99	−19 44.0	1.518	2.427	12.4	18.9
10 18	23 33.89	−18 49.6	1.583	2.427	15.5	19.1
10 28	23 29.45	−17 34.5	1.667	2.427	18.3	19.3
423109 2004 BB_{23}			9 21.8	241°.66	2°.3/19.6 17	
8 19	0 20.98	− 3 10.0	1.784	2.658	13.4	22.0
8 29	0 15.84	− 4 9.9	1.702	2.644	9.9	21.7
9 8	0 8.59	− 5 20.2	1.644	2.629	5.8	21.4
9 18	23 59.85	− 6 34.7	1.612	2.613	2.4	21.2
9 28	23 50.58	− 7 45.4	1.608	2.597	4.6	21.3
10 8	23 41.86	− 8 44.6	1.632	2.580	8.8	21.5
10 18	23 34.67	− 9 26.8	1.681	2.562	12.8	21.7
10 28	23 29.74	− 9 48.9	1.751	2.544	16.3	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
285232 1997 SS_{21}			9 21.8	320°.51	0°.3/22.5 18	
	h m	° ′			°	m
8 19	0 10.40	+ 3 3.2	4.185	5.026	7.0	20.9
8 29	0 6.99	+ 2 41.2	4.102	5.023	5.2	20.8
9 8	0 2.82	+ 2 13.5	4.044	5.020	3.2	20.7
9 18	23 58.16	+ 1 41.7	4.016	5.017	1.1	20.5
9 28	23 53.35	+ 1 8.1	4.017	5.014	1.3	20.5
10 8	23 48.78	+ 0 35.1	4.048	5.011	3.4	20.7
10 18	23 44.76	+ 0 5.2	4.108	5.008	5.4	20.8
10 28	23 41.60	− 0 19.8	4.195	5.005	7.2	20.9
378595 2008 EK_{47}			9 21.8	79°.18	2°.2/19.9 17	
8 19	0 20.39	− 1 58.5	1.451	2.334	15.4	20.9
8 29	0 15.41	− 3 3.3	1.403	2.349	11.2	20.7
9 8	0 8.23	− 4 18.9	1.378	2.364	6.5	20.5
9 18	23 59.70	− 5 37.5	1.377	2.379	2.4	20.2
9 28	23 50.96	− 6 49.9	1.404	2.394	4.7	20.4
10 8	23 43.18	− 7 47.9	1.456	2.409	9.1	20.7
10 18	23 37.29	− 8 26.7	1.532	2.424	13.2	21.0
10 28	23 33.88	− 8 44.0	1.628	2.439	16.6	21.3
515535 2014 GC_{14}			9 21.8	213°.04	3°.3/18.3 18	
8 19	0 22.53	− 9 33.6	2.342	3.212	10.8	22.4
8 29	0 16.44	−10 12.4	2.266	3.204	8.0	22.2
9 8	0 8.69	−10 52.9	2.216	3.196	5.0	22.0
9 18	23 59.84	−11 30.3	2.193	3.187	3.3	21.8
9 28	23 50.66	−11 59.5	2.201	3.177	4.9	21.9
10 8	23 42.01	−12 16.5	2.236	3.167	7.8	22.1
10 18	23 34.62	−12 19.1	2.299	3.156	10.8	22.3
10 28	23 29.06	−12 6.6	2.384	3.145	13.4	22.5
254495 2005 ED_{50}			9 21.8	230°.42	0°.7/21.4 18	
8 19	0 24.73	− 0 52.6	1.453	2.327	16.0	20.3
8 29	0 18.88	− 1 3.2	1.385	2.324	11.9	20.1
9 8	0 10.50	− 1 24.6	1.338	2.322	7.1	19.8
9 18	0 0.39	− 1 52.3	1.316	2.319	1.9	19.5
9 28	23 49.78	− 2 20.2	1.321	2.316	3.6	19.6
10 8	23 40.03	− 2 41.8	1.351	2.314	8.7	19.9
10 18	23 32.26	− 2 52.2	1.406	2.310	13.3	20.1
10 28	23 27.28	− 2 48.3	1.482	2.307	17.2	20.4
494353 2016 TW_{76}			9 21.8	290°.55	1°.4/20.6 18	
8 19	0 20.23	− 2 18.3	1.734	2.609	13.7	21.5
8 29	0 15.33	− 2 44.2	1.653	2.594	10.1	21.2
9 8	0 8.30	− 3 19.3	1.594	2.579	6.0	20.9
9 18	23 59.78	− 3 58.8	1.562	2.564	1.9	20.6
9 28	23 50.73	− 4 36.7	1.556	2.549	3.8	20.7
10 8	23 42.26	− 5 6.9	1.577	2.535	8.2	21.0
10 18	23 35.33	− 5 24.7	1.623	2.520	12.3	21.2
10 28	23 30.70	− 5 27.0	1.691	2.505	15.9	21.4
400723 2009 SF_{106}			9 21.8	333°.82	2°.8/24.5 18	
8 19	0 19.01	+ 8 35.3	2.120	2.951	13.2	20.5
8 29	0 14.05	+ 8 46.2	2.039	2.948	10.3	20.3
9 8	0 7.36	+ 8 43.3	1.982	2.945	7.0	20.0
9 18	23 59.49	+ 8 27.7	1.950	2.942	3.8	19.8
9 28	23 51.24	+ 8 2.3	1.945	2.939	3.1	19.8
10 8	23 43.50	+ 7 31.5	1.969	2.937	6.0	20.0
10 18	23 37.03	+ 7 0.2	2.020	2.934	9.3	20.2
10 28	23 32.47	+ 6 33.5	2.095	2.932	12.4	20.4
384384 2009 VJ_{46}			9 21.8	319°.39	0°.1/21.8 18	
8 19	0 15.60	+ 3 1.2	1.271	2.157	17.0	20.7
8 29	0 12.59	+ 2 22.7	1.191	2.136	12.8	20.4
9 8	0 6.99	+ 1 23.8	1.131	2.116	7.8	20.0
9 18	23 59.47	+ 0 9.4	1.093	2.096	2.2	19.7
9 28	23 51.19	− 1 11.6	1.079	2.077	3.6	19.7
10 8	23 43.55	− 2 27.9	1.090	2.059	9.4	20.0
10 18	23 37.81	− 3 29.9	1.123	2.041	14.7	20.2
10 28	23 34.90	− 4 10.3	1.175	2.025	19.2	20.5
183944 2004 DS_{34}			9 21.8	322°.58	2°.2/20.1 18	R
8 19	0 20.05	− 2 40.9	1.363	2.252	15.9	19.9
8 29	0 15.55	− 3 24.4	1.298	2.247	11.7	19.6
9 8	0 8.55	− 4 19.3	1.255	2.242	6.9	19.4
9 18	23 59.86	− 5 18.9	1.235	2.237	2.5	19.1
9 28	23 50.67	− 6 14.2	1.241	2.233	4.8	19.2
10 8	23 42.32	− 6 57.0	1.271	2.229	9.7	19.5
10 18	23 35.91	− 7 21.7	1.325	2.225	14.3	19.8
10 28	23 32.24	− 7 25.5	1.398	2.221	18.2	20.0
401743 2013 JM_{50}			9 21.8	5°.76	3°.4/25.9 18	
8 19	0 14.63	+13 8.6	2.030	2.850	14.1	20.9
8 29	0 10.88	+12 42.4	1.952	2.851	11.2	20.7
9 8	0 5.47	+11 56.4	1.896	2.851	7.9	20.5
9 18	23 58.95	+10 52.4	1.865	2.852	4.7	20.3
9 28	23 52.12	+ 9 35.3	1.861	2.853	3.5	20.3
10 8	23 45.81	+ 8 12.0	1.885	2.854	6.0	20.4
10 18	23 40.78	+ 6 49.7	1.935	2.856	9.3	20.6
10 28	23 37.59	+ 5 35.5	2.010	2.858	12.4	20.8

515394 2013 GX_{69} 9 21.8 98°.33 6°.5/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 22.02	−21 58.1	2.407	3.276	10.6	21.5
8 29	0 15.85	−22 47.8	2.369	3.291	8.4	21.3
9 8	0 8.19	−23 29.4	2.356	3.306	6.9	21.3
9 18	23 59.66	−23 57.5	2.370	3.321	6.6	21.3
9 28	23 51.07	−24 8.0	2.411	3.335	7.8	21.4
10 8	23 43.20	−23 59.1	2.478	3.349	9.7	21.5
10 18	23 36.71	−23 31.2	2.570	3.363	11.8	21.7
10 28	23 32.04	−22 46.0	2.682	3.377	13.5	21.9

506824 2007 TX_{37} 9 21.8 348°.11 0°.4/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 13.83	+ 5 14.6	1.042	1.935	19.3	20.5
8 29	0 11.49	+ 4 17.2	0.980	1.928	14.5	20.2
9 8	0 6.37	+ 2 52.7	0.937	1.923	8.9	19.9
9 18	23 59.28	+ 1 8.1	0.915	1.918	2.7	19.5
9 28	23 51.59	− 0 43.9	0.916	1.914	3.8	19.6
10 8	23 44.83	− 2 28.4	0.940	1.912	10.0	19.9
10 18	23 40.28	− 3 52.9	0.985	1.910	15.5	20.2
10 28	23 38.79	− 4 49.7	1.049	1.910	20.2	20.5

515365 2013 CW_{224} 9 21.8 145°.84 0°.8/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.11	+ 0 35.4	2.428	3.289	10.8	21.7
8 29	0 10.91	− 0 22.4	2.358	3.293	7.9	21.5
9 8	0 5.34	− 1 29.5	2.313	3.296	4.6	21.3
9 18	23 58.90	− 2 41.6	2.296	3.299	1.3	21.1
9 28	23 52.22	− 3 53.2	2.308	3.302	2.7	21.2
10 8	23 46.01	− 4 58.6	2.349	3.305	6.0	21.4
10 18	23 40.86	− 5 53.4	2.418	3.307	9.1	21.6
10 28	23 37.26	− 6 34.3	2.510	3.310	11.7	21.8

478703 2012 UN_{36} 9 21.8 4°.75 9°.8/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.67	−21 29.8	1.277	2.174	16.2	20.1
8 29	0 18.25	−22 21.5	1.234	2.174	13.0	19.9
9 8	0 10.10	−23 1.3	1.211	2.174	10.5	19.8
9 18	0 0.25	−23 19.0	1.211	2.176	9.9	19.7
9 28	23 50.16	−23 7.2	1.233	2.178	11.7	19.9
10 8	23 41.32	−22 23.8	1.278	2.182	14.6	20.0
10 18	23 34.82	−21 11.7	1.343	2.187	17.8	20.3
10 28	23 31.34	−19 36.1	1.425	2.192	20.6	20.5

432264 2009 SZ_{27} 9 21.8 0°.85 0°.8/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.75	− 3 8.6	4.094	4.954	6.8	20.8
8 29	0 7.97	− 3 29.3	4.019	4.954	4.9	20.7
9 8	0 3.40	− 3 53.3	3.971	4.954	2.9	20.6
9 18	23 58.34	− 4 18.4	3.951	4.954	0.9	20.4
9 28	23 53.14	− 4 42.4	3.962	4.954	1.9	20.5
10 8	23 48.20	− 5 3.0	4.003	4.954	3.9	20.6
10 18	23 43.85	− 5 18.4	4.072	4.954	5.9	20.8
10 28	23 40.40	− 5 27.0	4.166	4.954	7.6	20.9

136809 1997 GB_{1} 9 21.8 308°.62 1°.0/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.58	+ 5 17.7	1.313	2.188	17.2	20.2
8 29	0 13.27	+ 4 41.1	1.231	2.169	13.1	19.9
9 8	0 7.38	+ 3 42.0	1.169	2.150	8.3	19.6
9 18	23 59.59	+ 2 24.6	1.130	2.132	2.8	19.2
9 28	23 51.05	+ 0 57.2	1.115	2.113	3.3	19.2
10 8	23 43.13	− 0 28.9	1.126	2.096	8.9	19.5
10 18	23 37.09	− 1 43.4	1.159	2.079	14.2	19.7
10 28	23 33.86	− 2 37.9	1.212	2.062	18.7	19.9

366303 2013 CY_{22} 9 21.8 264°.79 4°.6/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.29	−10 43.7	2.027	2.911	11.6	20.9
8 29	0 13.64	−11 55.8	1.951	2.896	8.6	20.7
9 8	0 7.17	−13 11.1	1.900	2.880	5.8	20.5
9 18	23 59.46	−14 22.4	1.876	2.864	4.6	20.3
9 28	23 51.33	−15 22.4	1.880	2.848	6.5	20.4
10 8	23 43.70	−16 5.2	1.910	2.831	9.6	20.6
10 18	23 37.40	−16 27.6	1.965	2.814	12.7	20.8
10 28	23 33.06	−16 28.6	2.041	2.797	15.5	20.9

234352 2001 HZ_{41} 9 21.8 50°.40 0°.2/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.17	+ 4 2.7	1.444	2.315	16.2	19.2
8 29	0 13.62	+ 2 48.5	1.409	2.347	11.8	19.0
9 8	0 7.07	+ 1 18.3	1.396	2.379	7.0	18.8
9 18	23 59.37	− 0 20.0	1.408	2.411	1.9	18.6
9 28	23 51.64	− 1 56.5	1.447	2.444	3.2	18.8
10 8	23 44.92	− 3 22.0	1.513	2.476	7.8	19.1
10 18	23 40.01	− 4 29.7	1.603	2.509	11.9	19.4
10 28	23 37.41	− 5 16.2	1.715	2.542	15.2	19.7

140418 2001 TS_{89} 9 21.8 33°.95 0°.1/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.28	− 0 13.8	1.653	2.522	14.6	19.4
8 29	0 16.68	− 0 10.0	1.594	2.530	10.8	19.2
9 8	0 8.99	− 0 15.5	1.557	2.539	6.5	19.0
9 18	23 59.96	− 0 26.9	1.545	2.548	1.8	18.7
9 28	23 50.66	− 0 39.8	1.561	2.558	2.9	18.8
10 8	23 42.18	− 0 49.3	1.604	2.568	7.4	19.1
10 18	23 35.44	− 0 51.6	1.672	2.578	11.4	19.4
10 28	23 31.06	− 0 43.8	1.762	2.589	14.8	19.6

340294 2006 CO_{5} 9 21.8 247°.43 1°.4/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.64	+ 6 31.5	1.799	2.649	14.5	21.1
8 29	0 14.08	+ 5 59.5	1.717	2.641	11.0	20.9
9 8	0 7.52	+ 5 10.3	1.658	2.632	7.0	20.6
9 18	23 59.59	+ 4 7.2	1.624	2.624	2.8	20.3
9 28	23 51.19	+ 2 56.0	1.618	2.615	2.6	20.3
10 8	23 43.35	+ 1 44.3	1.639	2.606	6.9	20.6
10 18	23 36.98	+ 0 39.6	1.686	2.597	11.0	20.8
10 28	23 32.79	− 0 12.2	1.756	2.588	14.6	21.0

440905 2006 VV_{1} 9 21.8 357°.09 5°.9/27.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.19	+16 47.1	1.603	2.420	17.4	20.7
8 29	0 11.78	+16 54.7	1.528	2.417	14.3	20.4
9 8	0 6.24	+16 36.6	1.472	2.415	10.8	20.2
9 18	23 59.23	+15 52.8	1.438	2.413	7.5	20.0
9 28	23 51.76	+14 46.8	1.429	2.412	5.9	20.0
10 8	23 44.93	+13 26.2	1.445	2.413	7.7	20.1
10 18	23 39.72	+12 0.4	1.486	2.413	11.0	20.3
10 28	23 36.85	+10 39.0	1.550	2.415	14.5	20.5

400375 2007 WP_{63} 9 21.8 269°.46 12°.1/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.68	+37 26.5	2.159	2.796	18.4	20.9
8 29	0 15.15	+38 19.8	2.062	2.783	17.0	20.7
9 8	0 8.34	+38 44.4	1.980	2.770	15.3	20.5
9 18	23 59.86	+38 35.4	1.916	2.757	13.7	20.4
9 28	23 50.68	+37 50.1	1.872	2.744	12.5	20.3
10 8	23 41.97	+36 30.5	1.850	2.730	12.1	20.2
10 18	23 34.81	+34 43.0	1.852	2.717	12.7	20.3
10 28	23 30.06	+32 37.5	1.876	2.703	14.0	20.3

507108 2009 LG_{1} 9 21.8 65°.01 4°.5/18.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.79	− 6 16.9	1.288	2.185	16.0	21.0
8 29	0 15.26	− 7 44.1	1.242	2.195	11.6	20.8
9 8	0 8.30	− 9 19.0	1.218	2.205	7.1	20.6
9 18	23 59.79	−10 50.8	1.219	2.215	4.5	20.4
9 28	23 51.00	−12 8.5	1.244	2.226	7.0	20.6
10 8	23 43.26	−13 3.4	1.294	2.236	11.3	20.9
10 18	23 37.58	−13 31.7	1.367	2.246	15.3	21.2
10 28	23 34.61	−13 33.0	1.457	2.257	18.7	21.4

160213 2002 CS_{252} 9 21.8 117°.81 4°.7/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.83	−12 40.3	2.168	3.052	11.0	20.2
8 29	0 13.04	−13 47.2	2.113	3.056	8.2	20.0
9 8	0 6.67	−14 53.8	2.084	3.060	5.6	19.9
9 18	23 59.31	−15 53.8	2.081	3.064	4.7	19.8
9 28	23 51.73	−16 41.0	2.107	3.068	6.4	19.9
10 8	23 44.74	−17 11.1	2.159	3.072	9.0	20.1
10 18	23 39.05	−17 22.2	2.235	3.076	11.7	20.3
10 28	23 35.16	−17 14.3	2.333	3.080	14.0	20.5

518021 2015 VL_{149} 9 21.8 332°.66 2°.4/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.38	− 3 46.7	2.103	2.983	11.5	20.9
8 29	0 10.62	− 4 58.1	2.034	2.979	8.3	20.7
9 8	0 5.30	− 6 17.4	1.989	2.975	4.9	20.5
9 18	23 58.94	− 7 38.8	1.971	2.971	2.4	20.3
9 28	23 52.29	− 8 55.2	1.982	2.968	4.3	20.4
10 8	23 46.14	−10 0.2	2.020	2.964	7.7	20.6
10 18	23 41.19	−10 49.3	2.084	2.961	10.9	20.8
10 28	23 37.97	−11 19.9	2.170	2.958	13.7	21.0

150471 2000 KH_{55} 9 21.8 74°.07 1°.7/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.40	− 1 11.3	1.489	2.369	15.3	19.7
8 29	0 15.39	− 2 7.6	1.441	2.385	11.1	19.5
9 8	0 8.23	− 3 15.0	1.415	2.401	6.5	19.2
9 18	23 59.76	− 4 26.5	1.414	2.417	2.1	19.0
9 28	23 51.09	− 5 33.4	1.441	2.433	4.2	19.2
10 8	23 43.36	− 6 28.1	1.493	2.449	8.7	19.5
10 18	23 37.47	− 7 5.5	1.569	2.465	12.7	19.8
10 28	23 34.01	− 7 23.2	1.667	2.481	16.1	20.1

253345 2003 FZ_{53} 9 21.8 130°.45 0°.0/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.40	+ 2 23.5	2.511	3.361	10.9	21.1
8 29	0 12.50	+ 1 42.3	2.446	3.373	8.0	20.9
9 8	0 6.26	+ 0 51.6	2.406	3.385	4.8	20.8
9 18	23 59.19	− 0 4.8	2.394	3.396	1.3	20.5
9 28	23 51.94	− 1 2.4	2.411	3.407	2.1	20.6
10 8	23 45.19	− 1 56.3	2.458	3.418	5.5	20.9
10 18	23 39.53	− 2 42.3	2.533	3.428	8.5	21.1
10 28	23 35.41	− 3 17.3	2.632	3.438	11.1	21.3

380218 2001 QM_{266} 9 21.8 35°.34 11°.8/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.03	+24 19.8	1.245	2.031	23.1	19.8
8 29	0 18.15	+25 49.7	1.194	2.046	20.0	19.6
9 8	0 10.30	+26 45.2	1.159	2.061	16.7	19.5
9 18	0 0.42	+27 1.1	1.142	2.078	13.7	19.4
9 28	23 49.98	+26 36.7	1.146	2.095	11.9	19.3
10 8	23 40.64	+25 38.9	1.171	2.113	12.2	19.4
10 18	23 33.74	+24 19.2	1.218	2.131	14.2	19.6
10 28	23 30.12	+22 51.5	1.286	2.150	16.9	19.8

118825 2000 SY_{153} 9 21.8 253°.01 1°.8/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.70	− 4 19.6	2.283	3.153	11.1	19.4
8 29	0 13.72	− 4 53.9	2.203	3.142	8.1	19.2
9 8	0 7.13	− 5 34.1	2.147	3.131	4.8	18.9
9 18	23 59.47	− 6 15.8	2.119	3.120	2.0	18.7
9 28	23 51.46	− 6 54.1	2.119	3.108	3.6	18.8
10 8	23 43.91	− 7 24.4	2.148	3.097	7.0	19.0
10 18	23 37.54	− 7 43.3	2.204	3.085	10.2	19.2
10 28	23 32.91	− 7 48.5	2.282	3.073	13.0	19.4

432746 2011 EY_{22} 9 21.8 202°.43 0°.7/21.2 18

8 19	0 21.58	+ 0 14.9	1.829	2.693	13.7	22.1
8 29	0 16.15	− 0 20.7	1.755	2.690	10.1	21.9
9 8	0 8.71	− 1 7.6	1.704	2.686	6.0	21.7
9 18	23 59.93	− 2 1.1	1.679	2.682	1.6	21.4
9 28	23 50.74	− 2 55.0	1.683	2.678	3.2	21.5
10 8	23 42.19	− 3 42.6	1.714	2.673	7.5	21.7
10 18	23 35.17	− 4 18.9	1.772	2.668	11.5	22.0
10 28	23 30.35	− 4 40.1	1.851	2.662	14.9	22.2

355774 2008 RA_{122} 9 21.8 328°.83 0°.3/21.4 18

8 19	0 11.71	− 0 39.6	4.106	4.958	6.9	21.1
8 29	0 7.97	− 0 55.6	4.025	4.954	5.1	20.9
9 8	0 3.43	− 1 15.6	3.971	4.951	3.0	20.8
9 18	23 58.39	− 1 38.1	3.945	4.948	0.8	20.6
9 28	23 53.20	− 2 0.7	3.949	4.945	1.5	20.7
10 8	23 48.25	− 2 21.3	3.984	4.942	3.7	20.8
10 18	23 43.89	− 2 37.8	4.047	4.938	5.7	21.0
10 28	23 40.42	− 2 48.6	4.136	4.936	7.5	21.1

340132 2005 XT_{73} 9 21.8 297°.97 0°.2/21.9 18

8 19	0 20.75	+ 1 31.4	1.530	2.402	15.4	20.7
8 29	0 16.01	+ 1 18.7	1.450	2.387	11.6	20.4
9 8	0 8.87	+ 0 52.6	1.391	2.373	7.1	20.1
9 18	0 0.03	+ 0 16.8	1.356	2.359	2.1	19.8
9 28	23 50.55	− 0 22.7	1.348	2.345	3.1	19.8
10 8	23 41.70	− 0 59.0	1.365	2.331	8.2	20.1
10 18	23 34.60	− 1 25.9	1.407	2.318	12.9	20.3
10 28	23 30.07	− 1 38.8	1.470	2.304	16.9	20.5

474162 1999 RQ_{128} 9 21.8 8°.90 4°.6/24.8 18

8 19	0 11.47	+ 7 35.6	0.835	1.737	21.9	18.8
8 29	0 10.02	+ 8 19.0	0.794	1.742	17.1	18.5
9 8	0 5.56	+ 8 36.1	0.769	1.749	11.6	18.3
9 18	23 59.09	+ 8 27.7	0.763	1.759	6.3	18.0
9 28	23 52.18	+ 8 0.1	0.776	1.773	5.0	18.0
10 8	23 46.49	+ 7 23.3	0.810	1.789	9.4	18.3
10 18	23 43.27	+ 6 47.9	0.863	1.808	14.5	18.7
10 28	23 43.26	+ 6 22.8	0.934	1.829	18.9	19.0

395777 2012 VZ_{82} 9 21.8 220°.91 5°.6/15.9 18

8 19	0 21.94	−15 43.0	2.119	2.997	11.4	21.5
8 29	0 16.19	−16 41.1	2.054	2.990	8.7	21.3
9 8	0 8.64	−17 36.7	2.013	2.983	6.4	21.2
9 18	23 59.90	−18 23.2	2.000	2.975	5.7	21.1
9 28	23 50.84	−18 54.4	2.014	2.967	7.3	21.2
10 8	23 42.41	−19 6.6	2.055	2.959	9.9	21.4
10 18	23 35.39	−18 58.3	2.121	2.950	12.7	21.5
10 28	23 30.38	−18 30.2	2.207	2.941	15.1	21.7

114164 2002 VW_{71} 9 21.8 346°.55 1°.6/20.3 18

8 19	0 16.73	− 1 31.3	1.666	2.547	13.9	19.7
8 29	0 12.71	− 2 22.0	1.599	2.544	10.1	19.5
9 8	0 6.71	− 3 23.7	1.555	2.541	5.9	19.3
9 18	23 59.37	− 4 30.4	1.536	2.538	2.0	19.0
9 28	23 51.67	− 5 34.5	1.543	2.536	4.0	19.1
10 8	23 44.63	− 6 28.6	1.578	2.534	8.3	19.4
10 18	23 39.13	− 7 7.3	1.636	2.533	12.3	19.6
10 28	23 35.82	− 7 27.3	1.716	2.532	15.7	19.8

520122 2014 AS_{59} 9 21.8 127°.11 1°.8/19.7 16

8 19	0 17.98	− 1 22.8	2.047	2.916	12.2	21.7
8 29	0 13.19	− 2 42.1	1.989	2.928	8.8	21.5
9 8	0 6.78	− 4 10.8	1.955	2.940	5.1	21.3
9 18	23 59.36	− 5 42.6	1.950	2.951	1.9	21.1
9 28	23 51.73	− 7 10.0	1.973	2.962	3.8	21.3
10 8	23 44.72	− 8 25.9	2.025	2.973	7.4	21.5
10 18	23 39.04	− 9 25.7	2.104	2.983	10.7	21.8
10 28	23 35.21	−10 6.7	2.205	2.992	13.5	22.0

115728 2003 UQ_{183} 9 21.8 75°.12 3°.5/18.5 18

8 19	0 19.32	− 6 59.4	1.728	2.613	13.2	19.5
8 29	0 14.46	− 7 58.5	1.672	2.619	9.6	19.3
9 8	0 7.65	− 9 2.5	1.640	2.625	5.9	19.1
9 18	23 59.62	−10 4.5	1.634	2.631	3.5	19.0
9 28	23 51.32	−10 57.0	1.655	2.637	5.5	19.1
10 8	23 43.78	−11 34.2	1.703	2.643	9.1	19.4
10 18	23 37.83	−11 52.6	1.774	2.649	12.6	19.6
10 28	23 34.06	−11 51.3	1.867	2.655	15.6	19.8

488113 2015 VZ_{83} 9 21.9 346°.40 6°.7/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 17.95	−17 30.9	1.907	2.796	12.0	20.7
8 29	0 13.40	−18 39.5	1.852	2.792	9.3	20.5
9 8	0 7.01	−19 43.8	1.822	2.789	7.2	20.4
9 18	23 59.44	−20 36.3	1.817	2.786	6.8	20.3
9 28	23 51.60	−21 10.3	1.838	2.783	8.5	20.4
10 8	23 44.43	−21 21.9	1.884	2.781	11.0	20.6
10 18	23 38.75	−21 10.1	1.953	2.779	13.7	20.8
10 28	23 35.12	−20 36.2	2.041	2.778	16.1	20.9

65223 2002 EU_{34} 9 21.9 228°.53 0°.9/19.9 18 R

8 19	0 10.83	− 4 18.3	4.666	5.527	6.0	19.9
8 29	0 7.25	− 4 41.4	4.588	5.523	4.3	19.8
9 8	0 2.98	− 5 6.9	4.537	5.520	2.5	19.7
9 18	23 58.27	− 5 33.1	4.515	5.516	1.0	19.5
9 28	23 53.44	− 5 57.8	4.523	5.512	1.8	19.6
10 8	23 48.82	− 6 19.0	4.562	5.509	3.6	19.7
10 18	23 44.71	− 6 35.1	4.629	5.505	5.4	19.9
10 28	23 41.38	− 6 44.8	4.721	5.501	6.9	20.0

71271 2000 AB_{32} 9 21.9 202°.22 5°.3/28.7 18

8 19	0 19.46	+20 9.8	2.838	3.587	12.2	19.5
8 29	0 14.12	+20 35.4	2.745	3.584	10.3	19.3
9 8	0 7.33	+20 44.8	2.675	3.581	8.2	19.2
9 18	23 59.54	+20 37.3	2.630	3.577	6.3	19.1
9 28	23 51.40	+20 13.8	2.612	3.573	5.3	19.0
10 8	23 43.60	+19 37.4	2.623	3.568	6.1	19.0
10 18	23 36.81	+18 52.1	2.661	3.563	7.9	19.1
10 28	23 31.56	+18 3.4	2.725	3.558	10.0	19.3

353756 2012 BR_{102} 9 21.9 103°.66 0°.3/21.5 18

8 19	0 17.80	+ 0 40.8	2.236	3.096	11.7	20.8
8 29	0 12.98	+ 0 11.0	2.170	3.102	8.6	20.6
9 8	0 6.64	− 0 27.8	2.127	3.109	5.1	20.4
9 18	23 59.33	− 1 11.8	2.112	3.115	1.4	20.2
9 28	23 51.79	− 1 56.3	2.125	3.121	2.5	20.3
10 8	23 44.79	− 2 36.5	2.167	3.127	6.1	20.5
10 18	23 39.00	− 3 8.2	2.236	3.133	9.4	20.7
10 28	23 34.94	− 3 28.5	2.329	3.139	12.2	21.0

253529 2003 SN_{191} 9 21.9 329°.78 4°.9/25.7 17

8 19	0 14.37	+12 20.2	1.124	1.988	20.3	19.9
8 29	0 11.99	+12 18.7	1.048	1.972	16.3	19.6
9 8	0 6.80	+11 46.5	0.989	1.957	11.6	19.2
9 18	23 59.51	+10 43.9	0.951	1.943	6.8	18.9
9 28	23 51.40	+ 9 16.5	0.935	1.929	5.1	18.8
10 8	23 44.02	+ 7 36.2	0.941	1.917	9.1	19.0
10 18	23 38.77	+ 5 56.9	0.969	1.906	14.3	19.2
10 28	23 36.64	+ 4 31.5	1.017	1.897	19.1	19.5

521990 2015 WZ_{20} 9 21.9 275°.26 0°.9/22.9 17

8 19	0 16.51	+ 4 37.7	2.359	3.205	11.6	21.9
8 29	0 12.09	+ 4 16.3	2.274	3.196	8.7	21.7
9 8	0 6.16	+ 3 43.5	2.213	3.188	5.5	21.5
9 18	23 59.21	+ 3 1.8	2.178	3.179	2.0	21.2
9 28	23 51.94	+ 2 15.4	2.172	3.170	2.1	21.2
10 8	23 45.07	+ 1 29.0	2.195	3.161	5.6	21.5
10 18	23 39.30	+ 0 47.5	2.245	3.152	8.9	21.7
10 28	23 35.16	+ 0 14.7	2.320	3.143	11.8	21.8

126710 2002 CO_{242} 9 21.9 306°.13 1°.0/23.0 18

8 19	0 14.99	+ 6 18.5	2.028	2.878	13.0	19.6
8 29	0 11.18	+ 5 32.5	1.947	2.871	9.9	19.4
9 8	0 5.70	+ 4 30.4	1.889	2.864	6.2	19.1
9 18	23 59.10	+ 3 16.1	1.857	2.857	2.3	18.9
9 28	23 52.13	+ 1 55.6	1.853	2.851	2.3	18.9
10 8	23 45.66	+ 0 35.9	1.877	2.844	6.2	19.1
10 18	23 40.42	− 0 36.0	1.928	2.838	10.0	19.3
10 28	23 37.02	− 1 34.8	2.003	2.832	13.2	19.5

191303 2003 GU_{35} 9 21.9 288°.82 3°.4/15.0 18

8 19	0 12.31	−17 42.4	4.200	5.073	6.4	19.5
8 29	0 8.40	−18 19.1	4.140	5.072	4.9	19.4
9 8	0 3.69	−18 53.1	4.107	5.070	3.7	19.3
9 18	23 58.48	−19 21.8	4.102	5.068	3.5	19.3
9 28	23 53.15	−19 42.4	4.127	5.066	4.4	19.4
10 8	23 48.09	−19 53.3	4.179	5.065	5.8	19.5
10 18	23 43.65	−19 53.5	4.257	5.063	7.2	19.6
10 28	23 40.15	−19 42.7	4.357	5.061	8.6	19.7

23405 Nisyros 9 21.9 43°.93 1°.7/19.5 18 R

8 19	0 13.86	− 4 33.9	2.779	3.650	9.3	18.5
8 29	0 9.84	− 5 15.9	2.717	3.657	6.7	18.4
9 8	0 4.66	− 6 2.1	2.681	3.665	3.9	18.2
9 18	23 58.76	− 6 48.8	2.673	3.673	1.7	18.1
9 28	23 52.70	− 7 31.9	2.694	3.681	3.1	18.2
10 8	23 47.06	− 8 7.6	2.744	3.689	5.8	18.4
10 18	23 42.34	− 8 33.2	2.820	3.698	8.4	18.6
10 28	23 38.96	− 8 46.9	2.921	3.706	10.6	18.7

217888 2001 RA_{94} 9 21.9 344°.39 0°.1/21.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 15.79	+ 1 35.6	1.114	2.011	18.1	19.3
8 29	0 12.91	+ 1 21.6	1.048	1.998	13.6	19.0
9 8	0 7.26	+ 0 50.2	1.000	1.987	8.3	18.7
9 18	23 59.61	+ 0 6.2	0.974	1.977	2.4	18.3
9 28	23 51.30	− 0 42.3	0.971	1.969	3.7	18.4
10 8	23 43.84	− 1 25.7	0.991	1.962	9.6	18.7
10 18	23 38.52	− 1 55.8	1.031	1.957	15.0	19.0
10 28	23 36.24	− 2 7.1	1.091	1.953	19.5	19.2

145345 2005 MA_{12} 9 21.9 347°.08 1°.4/20.4 18

8 19	0 16.34	− 0 36.3	1.764	2.641	13.5	19.7
8 29	0 12.33	− 1 34.3	1.696	2.639	9.8	19.5
9 8	0 6.44	− 2 43.9	1.652	2.637	5.7	19.3
9 18	23 59.31	− 3 59.3	1.633	2.636	1.8	19.0
9 28	23 51.83	− 5 12.8	1.642	2.634	3.7	19.1
10 8	23 44.98	− 6 16.8	1.677	2.633	7.9	19.4
10 18	23 39.58	− 7 5.8	1.738	2.633	11.8	19.6
10 28	23 36.25	− 7 36.2	1.820	2.632	15.0	19.8

97157 1999 VP_{165} 9 21.9 296°.29 5°.3/17.5 18

8 19	0 23.01	−13 3.5	1.722	2.608	13.3	19.2
8 29	0 17.29	−13 44.7	1.660	2.603	10.0	19.0
9 8	0 9.42	−14 24.7	1.620	2.598	6.8	18.8
9 18	0 0.15	−14 56.6	1.606	2.593	5.3	18.7
9 28	23 50.52	−15 13.9	1.619	2.589	7.1	18.8
10 8	23 41.68	−15 12.4	1.658	2.584	10.4	19.0
10 18	23 34.56	−14 50.6	1.720	2.580	13.7	19.2
10 28	23 29.83	−14 9.7	1.803	2.575	16.7	19.4

315166 Pawelmaksym 9 21.9 67°.78 3°.0/18.2 18

8 19	0 15.66	− 6 30.7	2.165	3.046	11.1	20.3
8 29	0 11.47	− 7 40.8	2.106	3.051	8.0	20.1
9 8	0 5.76	− 8 55.7	2.072	3.056	4.9	19.9
9 18	23 59.09	−10 9.3	2.065	3.061	3.0	19.8
9 28	23 52.19	−11 15.2	2.087	3.066	4.8	19.9
10 8	23 45.84	−12 8.0	2.136	3.071	7.9	20.1
10 18	23 40.70	−12 44.1	2.211	3.077	10.8	20.3
10 28	23 37.28	−13 2.0	2.307	3.082	13.4	20.5

221457 2006 BD_{46} 9 21.9 340°.01 0°.2/22.0 18

8 19	0 16.30	+ 2 3.7	1.910	2.775	13.1	20.1
8 29	0 12.22	+ 1 40.8	1.834	2.768	9.7	19.9
9 8	0 6.36	+ 1 6.2	1.781	2.762	5.9	19.6
9 18	23 59.29	+ 0 23.6	1.753	2.756	1.7	19.3
9 28	23 51.86	− 0 21.9	1.753	2.750	2.6	19.4
10 8	23 44.96	− 1 4.4	1.780	2.745	6.7	19.7
10 18	23 39.40	− 1 38.7	1.833	2.741	10.5	19.9
10 28	23 35.80	− 2 0.9	1.909	2.737	13.8	20.1

140833 2001 UE_{179} 9 21.9 53°.63 0°.7/21.1 18

8 19	0 18.68	− 0 23.2	1.912	2.780	12.9	20.1
8 29	0 13.87	− 0 53.7	1.846	2.784	9.5	19.9
9 8	0 7.28	− 1 33.7	1.804	2.788	5.6	19.7
9 18	23 59.54	− 2 18.9	1.788	2.792	1.5	19.4
9 28	23 51.51	− 3 3.5	1.800	2.795	3.0	19.5
10 8	23 44.12	− 3 42.1	1.840	2.799	7.0	19.8
10 18	23 38.14	− 4 10.1	1.905	2.803	10.7	20.0
10 28	23 34.16	− 4 24.6	1.993	2.808	13.8	20.2

396400 2014 DP_{142} 9 21.9 319°.31 5°.5/25.7 18

8 19	0 21.83	+11 57.1	1.503	2.337	17.6	20.2
8 29	0 16.99	+12 42.2	1.421	2.325	14.2	19.9
9 8	0 9.58	+13 7.9	1.358	2.313	10.4	19.6
9 18	0 0.29	+13 12.6	1.318	2.301	6.8	19.4
9 28	23 50.23	+12 57.8	1.303	2.290	5.6	19.3
10 8	23 40.77	+12 28.3	1.313	2.280	8.4	19.5
10 18	23 33.13	+11 51.6	1.347	2.270	12.4	19.7
10 28	23 28.25	+11 15.8	1.403	2.260	16.2	19.9

472448 2015 BL_{323} 9 21.9 100°.30 0°.1/21.8 17

8 19	0 24.92	+ 0 51.6	1.562	2.427	15.5	21.2
8 29	0 18.69	+ 0 36.7	1.507	2.441	11.5	21.0
9 8	0 10.23	+ 0 10.2	1.474	2.456	6.9	20.8
9 18	0 0.37	− 0 23.6	1.467	2.470	1.9	20.5
9 28	23 50.27	− 0 58.7	1.487	2.484	3.1	20.6
10 8	23 41.12	− 1 28.9	1.534	2.497	7.8	21.0
10 18	23 33.89	− 1 49.4	1.606	2.510	12.0	21.3
10 28	23 29.19	− 1 56.8	1.701	2.523	15.5	21.5

521847 2015 TV_{372} 9 21.9 272°.81 1°.6/19.9 17

8 19	0 16.45	− 3 13.4	2.349	3.219	10.8	22.2
8 29	0 12.04	− 3 55.5	2.270	3.209	7.9	22.0
9 8	0 6.13	− 4 44.4	2.215	3.199	4.6	21.8
9 18	23 59.22	− 5 35.9	2.187	3.189	1.8	21.5
9 28	23 52.00	− 6 24.7	2.189	3.179	3.4	21.6
10 8	23 45.20	− 7 6.1	2.218	3.168	6.7	21.8
10 18	23 39.50	− 7 36.1	2.274	3.158	9.9	22.0
10 28	23 35.44	− 7 52.4	2.354	3.148	12.6	22.2

159717 2003 AO_8 9 21.9 107°.21 3°.2/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 22.41	− 3 42.2	1.305	2.194	16.4	20.7
8 29	0 17.21	− 4 53.0	1.254	2.203	11.9	20.4
9 8	0 9.50	− 6 14.4	1.226	2.213	7.0	20.2
9 18	0 0.19	− 7 37.1	1.222	2.222	3.3	20.0
9 28	23 50.57	− 8 50.6	1.243	2.231	5.8	20.2
10 8	23 42.00	− 9 46.0	1.290	2.240	10.4	20.5
10 18	23 35.55	−10 18.5	1.359	2.248	14.8	20.8
10 28	23 31.90	−10 26.4	1.448	2.256	18.4	21.0

146835 2002 AF_{40} 9 21.9 135°.90 1°.6/23.7 18

8 19	0 17.65	+ 7 4.0	2.336	3.171	12.1	20.7
8 29	0 12.86	+ 6 42.5	2.263	3.177	9.2	20.5
9 8	0 6.58	+ 6 8.0	2.214	3.183	5.9	20.3
9 18	23 59.34	+ 5 23.2	2.191	3.189	2.6	20.1
9 28	23 51.85	+ 4 32.1	2.197	3.194	2.2	20.1
10 8	23 44.87	+ 3 39.8	2.232	3.199	5.4	20.3
10 18	23 39.04	+ 2 51.3	2.295	3.204	8.6	20.5
10 28	23 34.89	+ 2 10.9	2.382	3.209	11.4	20.7

176169 2001 KP_{21} 9 21.9 112°.95 2°.0/20.1 17

8 19	0 23.28	− 3 0.8	1.641	2.516	14.4	20.5
8 29	0 17.38	− 3 47.7	1.590	2.531	10.5	20.3
9 8	0 9.39	− 4 43.0	1.561	2.546	6.1	20.1
9 18	0 0.13	− 5 40.3	1.558	2.560	2.3	19.9
9 28	23 50.67	− 6 32.3	1.583	2.574	4.3	20.0
10 8	23 42.11	− 7 12.6	1.635	2.587	8.4	20.3
10 18	23 35.33	− 7 37.1	1.712	2.600	12.3	20.6
10 28	23 30.93	− 7 44.1	1.810	2.612	15.5	20.8

25332 1999 KK_6 9 21.9 5°.78 14°.6/ 8.7 18

8 19	0 12.97	+37 35.3	1.039	1.776	29.6	16.5
8 29	0 11.45	+37 35.5	0.970	1.775	26.9	16.3
9 8	0 6.65	+36 35.6	0.911	1.775	23.5	16.1
9 18	23 59.49	+34 25.5	0.865	1.776	19.7	15.8
9 28	23 51.63	+31 3.5	0.836	1.777	16.2	15.6
10 8	23 44.95	+26 43.0	0.828	1.779	14.6	15.6
10 18	23 40.93	+21 50.9	0.844	1.781	15.9	15.6
10 28	23 40.49	+17 0.3	0.883	1.784	19.2	15.9

10783 1991 RB_9 9 21.9 313°.37 0°.1/21.8 18

8 19	0 17.13	+ 2 11.5	1.901	2.765	13.2	18.0
8 29	0 12.84	+ 1 37.1	1.826	2.760	9.8	17.8
9 8	0 6.74	+ 0 50.3	1.773	2.755	5.9	17.5
9 18	23 59.42	− 0 4.9	1.747	2.750	1.7	17.2
9 28	23 51.74	− 1 2.6	1.748	2.745	2.7	17.3
10 8	23 44.60	− 1 56.4	1.777	2.740	6.9	17.6
10 18	23 38.84	− 2 40.6	1.831	2.736	10.7	17.8
10 28	23 35.06	− 3 11.0	1.909	2.731	14.0	18.0

62905 2000 UQ_{107} 9 21.9 221°.13 5°.5/15.4 18

8 19	0 18.73	−16 0.4	2.237	3.119	10.8	19.5
8 29	0 13.75	−17 5.5	2.178	3.116	8.2	19.3
9 8	0 7.15	−18 8.1	2.144	3.113	6.1	19.2
9 18	23 59.52	−19 1.7	2.137	3.110	5.6	19.2
9 28	23 51.63	−19 40.5	2.158	3.106	7.1	19.3
10 8	23 44.31	−20 0.6	2.204	3.103	9.6	19.4
10 18	23 38.27	−20 0.6	2.275	3.099	12.1	19.6
10 28	23 34.05	−19 41.1	2.366	3.095	14.3	19.7

520536 2014 MB_{75} 9 21.9 117°.12 4°.8/16.6 18

8 19	0 19.57	−14 8.0	2.234	3.114	10.9	21.0
8 29	0 14.29	−14 58.9	2.179	3.119	8.1	20.8
9 8	0 7.43	−15 48.0	2.149	3.123	5.7	20.7
9 18	23 59.59	−16 29.4	2.147	3.128	4.8	20.6
9 28	23 51.56	−16 58.0	2.172	3.132	6.3	20.7
10 8	23 44.14	−17 10.4	2.224	3.136	8.9	20.9
10 18	23 38.03	−17 5.1	2.301	3.140	11.5	21.1
10 28	23 33.73	−16 42.6	2.399	3.144	13.7	21.3

99496 2002 CH_{243} 9 21.9 86°.12 0°.9/22.7 18

8 19	0 19.76	+ 4 24.2	1.700	2.559	14.8	19.7
8 29	0 14.93	+ 4 1.7	1.631	2.560	11.1	19.5
9 8	0 8.05	+ 3 24.2	1.584	2.562	6.9	19.3
9 18	23 59.81	+ 2 35.4	1.562	2.563	2.4	19.0
9 28	23 51.19	+ 1 41.1	1.567	2.564	2.7	19.0
10 8	23 43.26	+ 0 48.4	1.599	2.566	7.1	19.3
10 18	23 36.93	+ 0 3.5	1.656	2.567	11.2	19.5
10 28	23 32.86	− 0 28.6	1.736	2.568	14.8	19.8

183890 2004 CT_{74} 9 21.9 206°.07 0°.4/22.2 18

8 19	0 21.73	+ 2 41.9	1.571	2.436	15.4	20.8
8 29	0 16.56	+ 2 18.9	1.501	2.434	11.6	20.5
9 8	0 9.11	+ 1 41.4	1.452	2.433	7.1	20.3
9 18	0 0.13	+ 0 53.6	1.429	2.432	2.1	20.0
9 28	23 50.69	+ 0 1.8	1.433	2.430	3.0	20.0
10 8	23 42.00	− 0 46.5	1.463	2.428	7.8	20.3
10 18	23 35.08	− 1 24.9	1.518	2.426	12.2	20.6
10 28	23 30.65	− 1 48.9	1.594	2.424	16.0	20.8

247084 2000 SB_{115} 9 21.9 347°.29 3°.0/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 21.14	− 6 1.2	0.956	1.867	19.0	19.3
8 29	0 17.26	− 6 0.5	0.897	1.856	14.1	19.0
9 8	0 10.05	− 6 6.1	0.857	1.847	8.5	18.7
9 18	0 0.48	− 6 11.4	0.837	1.839	3.4	18.4
9 28	23 50.18	− 6 8.6	0.839	1.833	5.9	18.5
10 8	23 41.03	− 5 51.4	0.863	1.828	11.7	18.8
10 18	23 34.52	− 5 16.6	0.906	1.825	17.2	19.1
10 28	23 31.60	− 4 23.6	0.967	1.824	21.8	19.4

337341 2001 FE_{59} 9 21.9 170°.68 1°.3/20.5 18

8 19	0 21.07	− 2 24.3	2.262	3.123	11.5	21.3
8 29	0 15.40	− 2 57.9	2.192	3.127	8.4	21.1
9 8	0 8.12	− 3 38.4	2.147	3.130	4.9	20.9
9 18	23 59.82	− 4 21.6	2.130	3.132	1.6	20.6
9 28	23 51.25	− 5 2.5	2.142	3.134	3.1	20.7
10 8	23 43.24	− 5 36.6	2.184	3.136	6.6	21.0
10 18	23 36.49	− 6 0.2	2.252	3.137	9.9	21.2
10 28	23 31.56	− 6 11.1	2.344	3.137	12.7	21.4

16303 6639 *P–L* 9 21.9 282°.49 0°.9/20.9 18

8 19	0 16.50	− 0 34.5	2.250	3.115	11.4	19.2
8 29	0 12.20	− 1 14.0	2.164	3.100	8.4	19.0
9 8	0 6.31	− 2 2.9	2.101	3.084	4.9	18.8
9 18	23 59.34	− 2 57.0	2.066	3.069	1.4	18.5
9 28	23 51.98	− 3 51.2	2.059	3.053	2.9	18.6
10 8	23 45.03	− 4 40.0	2.081	3.037	6.6	18.8
10 18	23 39.20	− 5 18.7	2.129	3.022	10.0	19.0
10 28	23 35.09	− 5 44.1	2.200	3.006	13.0	19.2

37999 1998 KL_{34} 9 21.9 58°.04 1°.8/20.2 17

8 19	0 19.18	− 1 7.6	1.488	2.370	15.2	18.5
8 29	0 14.46	− 2 11.8	1.447	2.392	11.0	18.3
9 8	0 7.69	− 3 26.8	1.427	2.414	6.4	18.1
9 18	23 59.69	− 4 45.1	1.433	2.436	2.1	17.9
9 28	23 51.57	− 5 57.8	1.466	2.458	4.2	18.1
10 8	23 44.39	− 6 57.1	1.525	2.481	8.6	18.4
10 18	23 39.01	− 7 38.2	1.608	2.503	12.5	18.7
10 28	23 35.97	− 7 58.9	1.712	2.526	15.8	18.9

515696 2014 QS_{108} 9 21.9 34°.59 3°.1/25.5 18

8 19	0 15.99	+11 46.8	2.144	2.966	13.5	21.1
8 29	0 11.83	+11 31.1	2.069	2.969	10.6	20.9
9 8	0 6.07	+10 58.2	2.016	2.973	7.4	20.7
9 18	23 59.26	+10 9.9	1.988	2.977	4.3	20.5
9 28	23 52.16	+ 9 10.1	1.988	2.981	3.3	20.5
10 8	23 45.58	+ 8 4.9	2.016	2.985	5.7	20.7
10 18	23 40.22	+ 7 0.3	2.071	2.989	8.9	20.9
10 28	23 36.65	+ 6 2.3	2.150	2.993	11.9	21.1

282236 2002 CJ_{223} 9 21.9 100°.07 0°.8/21.1 18

8 19	0 19.62	+ 0 38.0	1.730	2.599	14.1	20.4
8 29	0 14.70	− 0 9.0	1.671	2.609	10.3	20.2
9 8	0 7.85	− 1 7.9	1.635	2.618	6.1	19.9
9 18	23 59.76	− 2 13.1	1.624	2.627	1.6	19.7
9 28	23 51.42	− 3 17.6	1.641	2.637	3.3	19.8
10 8	23 43.81	− 4 14.2	1.686	2.645	7.6	20.1
10 18	23 37.79	− 4 57.5	1.756	2.654	11.4	20.3
10 28	23 33.95	− 5 24.2	1.848	2.663	14.7	20.6

293955 2007 TM_{33} 9 21.9 8°.67 0°.5/22.3 18

8 19	0 16.69	+ 3 38.0	1.474	2.347	15.8	20.6
8 29	0 12.90	+ 3 6.5	1.410	2.348	11.8	20.3
9 8	0 6.95	+ 2 18.4	1.368	2.350	7.2	20.1
9 18	23 59.54	+ 1 18.6	1.350	2.352	2.3	19.8
9 28	23 51.75	+ 0 14.4	1.358	2.355	2.9	19.8
10 8	23 44.72	− 0 45.8	1.391	2.359	7.8	20.1
10 18	23 39.41	− 1 34.8	1.448	2.363	12.2	20.4
10 28	23 36.50	− 2 7.5	1.527	2.368	16.0	20.7

218287 2003 MK_{1} 9 21.9 72°.81 4°.8/28.9 18

8 19	0 16.83	+20 47.3	2.200	2.968	14.8	20.1
8 29	0 12.29	+20 2.0	2.138	2.995	12.2	20.0
9 8	0 6.23	+18 53.1	2.098	3.021	9.2	19.8
9 18	23 59.28	+17 22.7	2.082	3.047	6.4	19.7
9 28	23 52.20	+15 35.9	2.094	3.073	4.9	19.7
10 8	23 45.80	+13 40.5	2.136	3.099	5.9	19.8
10 18	23 40.70	+11 44.8	2.206	3.124	8.4	20.0
10 28	23 37.37	+ 9 56.6	2.302	3.149	11.1	20.2

393366 1999 TM_{21} 9 21.9 262°.70 0°.5/21.5 18

8 19	0 25.52	− 1 44.9	1.771	2.634	14.0	20.5
8 29	0 19.16	− 1 38.4	1.696	2.630	10.4	20.3
9 8	0 10.62	− 1 39.1	1.644	2.625	6.2	20.1
9 18	0 0.58	− 1 43.8	1.618	2.621	1.7	19.8
9 28	23 50.10	− 1 48.6	1.620	2.616	3.1	19.8
10 8	23 40.31	− 1 49.2	1.651	2.611	7.6	20.1
10 18	23 32.20	− 1 42.3	1.707	2.607	11.6	20.4
10 28	23 26.49	− 1 25.3	1.786	2.602	15.1	20.6

146861 2002 AS_{151} 9 21.9 149°.53 1°.2/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 17.79	− 2 22.3	2.541	3.403	10.3	20.5
8 29	0 12.84	− 3 3.4	2.474	3.410	7.5	20.4
9 8	0 6.53	− 3 50.8	2.433	3.416	4.4	20.2
9 18	23 59.38	− 4 40.4	2.420	3.422	1.5	20.0
9 28	23 52.02	− 5 27.7	2.437	3.428	2.9	20.1
10 8	23 45.14	− 6 8.3	2.483	3.434	6.0	20.3
10 18	23 39.33	− 6 39.0	2.556	3.439	8.9	20.5
10 28	23 35.07	− 6 57.4	2.653	3.443	11.4	20.7

70693 1999 UR_{23} 9 21.9 284°.62 2°.5/23.7 18

8 19	0 23.06	+ 6 11.3	1.446	2.303	17.0	18.2
8 29	0 17.88	+ 6 22.5	1.369	2.294	13.1	18.0
9 8	0 10.12	+ 6 16.6	1.312	2.285	8.6	17.7
9 18	0 0.49	+ 5 55.2	1.278	2.276	4.0	17.4
9 28	23 50.20	+ 5 22.5	1.271	2.268	3.5	17.3
10 8	23 40.61	+ 4 45.5	1.289	2.259	8.1	17.6
10 18	23 32.93	+ 4 11.3	1.331	2.250	12.8	17.8
10 28	23 28.05	+ 3 46.6	1.395	2.242	16.9	18.1

152112 2004 RJ_{192} 9 21.9 56°.82 4°.7/26.9 18

8 19	0 19.05	+14 51.9	2.050	2.854	14.6	19.4
8 29	0 14.12	+15 6.8	1.983	2.866	11.8	19.2
9 8	0 7.46	+15 3.1	1.937	2.878	8.7	19.0
9 18	23 59.66	+14 41.0	1.915	2.891	5.9	18.9
9 28	23 51.59	+14 3.5	1.921	2.904	4.7	18.8
10 8	23 44.12	+13 15.6	1.953	2.917	6.4	19.0
10 18	23 38.03	+12 23.4	2.013	2.930	9.2	19.2
10 28	23 33.90	+11 33.4	2.096	2.943	12.0	19.4

452511 2004 RD_{251} 9 21.9 21°.22 7°.9/ 1.1 18

8 19	0 15.92	+24 2.2	1.874	2.635	17.3	20.3
8 29	0 12.14	+24 21.1	1.801	2.640	14.8	20.1
9 8	0 6.42	+24 13.2	1.746	2.646	12.1	19.9
9 18	23 59.40	+23 37.1	1.712	2.653	9.5	19.8
9 28	23 52.00	+22 34.7	1.702	2.660	8.0	19.7
10 8	23 45.22	+21 12.1	1.718	2.668	8.3	19.8
10 18	23 39.93	+19 37.8	1.759	2.676	10.3	19.9
10 28	23 36.77	+18 1.3	1.824	2.684	12.9	20.1

504148 2006 ST_{161} 9 21.9 56°.55 0°.8/21.3 17

8 19	0 23.47	+ 0 10.5	1.181	2.066	18.1	21.0
8 29	0 18.01	− 0 21.2	1.143	2.088	13.2	20.8
9 8	0 9.96	− 1 6.8	1.124	2.110	7.8	20.5
9 18	0 0.36	− 1 59.3	1.129	2.132	2.1	20.3
9 28	23 50.65	− 2 49.8	1.159	2.155	3.9	20.5
10 8	23 42.22	− 3 30.2	1.214	2.178	9.2	20.8
10 18	23 36.11	− 3 54.9	1.291	2.201	13.8	21.2
10 28	23 32.90	− 4 1.4	1.389	2.225	17.6	21.5

312628 2009 UA_{36} 9 21.9 298°.91 1°.3/24.5 18

8 19	0 10.04	+ 8 24.0	4.302	5.119	7.3	21.3
8 29	0 6.80	+ 8 1.7	4.211	5.113	5.6	21.2
9 8	0 2.80	+ 7 31.7	4.145	5.107	3.7	21.1
9 18	23 58.33	+ 6 55.4	4.108	5.101	1.9	20.9
9 28	23 53.70	+ 6 14.7	4.100	5.095	1.5	20.9
10 8	23 49.28	+ 5 32.3	4.123	5.090	3.2	21.0
10 18	23 45.41	+ 4 50.8	4.175	5.084	5.1	21.2
10 28	23 42.36	+ 4 12.6	4.254	5.078	6.8	21.3

49143 1998 SK_{43} 9 21.9 229°.19 0°.7/21.4 18

8 19	0 24.08	− 0 56.8	1.610	2.479	14.9	19.0
8 29	0 18.28	− 1 9.4	1.538	2.476	11.1	18.8
9 8	0 10.17	− 1 31.9	1.489	2.472	6.6	18.5
9 18	0 0.48	− 2 0.1	1.465	2.468	1.8	18.2
9 28	23 50.33	− 2 28.4	1.469	2.464	3.4	18.3
10 8	23 40.92	− 2 50.8	1.499	2.460	8.1	18.6
10 18	23 33.30	− 3 2.8	1.554	2.456	12.5	18.9
10 28	23 28.21	− 3 1.2	1.631	2.452	16.1	19.1

72856 2001 HB_{45} 9 21.9 320°.14 1°.3/20.6 18

8 19	0 19.37	− 3 20.5	2.154	3.023	11.7	18.9
8 29	0 14.29	− 3 36.7	2.080	3.018	8.6	18.7
9 8	0 7.55	− 3 58.6	2.029	3.013	5.0	18.5
9 18	23 59.71	− 4 22.8	2.005	3.008	1.7	18.2
9 28	23 51.55	− 4 44.7	2.010	3.003	3.2	18.3
10 8	23 43.91	− 5 0.4	2.043	2.998	6.8	18.5
10 18	23 37.53	− 5 6.5	2.102	2.994	10.2	18.7
10 28	23 33.00	− 5 1.0	2.185	2.989	13.1	18.9

228086 2008 RX_{78} 9 21.9 350°.59 1°.8/25.7 18

8 19	0 10.54	+11 7.5	4.389	5.190	7.4	20.5
8 29	0 7.14	+10 55.5	4.302	5.190	5.8	20.4
9 8	0 3.00	+10 35.4	4.239	5.190	4.1	20.3
9 18	23 58.38	+10 8.0	4.204	5.189	2.4	20.2
9 28	23 53.63	+ 9 35.2	4.199	5.189	1.9	20.1
10 8	23 49.09	+ 8 59.2	4.223	5.189	3.2	20.2
10 18	23 45.09	+ 8 22.5	4.277	5.188	4.9	20.3
10 28	23 41.92	+ 7 47.7	4.358	5.188	6.6	20.5

110091 2001 SW_{120} 9 21.9 207°.86 2°.2/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 22.10	+ 7 41.7	1.956	2.790	14.1	20.0
8 29	0 16.55	+ 7 32.1	1.873	2.786	10.9	19.8
9 8	0 9.03	+ 7 6.9	1.813	2.780	7.2	19.5
9 18	0 0.16	+ 6 28.2	1.778	2.775	3.4	19.3
9 28	23 50.84	+ 5 40.0	1.772	2.768	2.8	19.2
10 8	23 42.06	+ 4 48.5	1.794	2.761	6.5	19.5
10 18	23 34.72	+ 3 59.7	1.843	2.754	10.3	19.7
10 28	23 29.51	+ 3 19.3	1.916	2.746	13.7	19.9

1927 Suvanto 9 21.9 245°.32 3°.8/18.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.74	−10 18.9	2.019	2.894	12.1	16.6
8 29	0 17.68	−10 51.4	1.942	2.882	9.0	16.3
9 8	0 9.66	−11 25.1	1.890	2.870	5.7	16.1
9 18	0 0.33	−11 54.6	1.865	2.858	3.8	16.0
9 28	23 50.60	−12 14.2	1.868	2.846	5.5	16.1
10 8	23 41.45	−12 19.8	1.899	2.833	8.8	16.3
10 18	23 33.76	−12 9.4	1.956	2.820	12.1	16.4
10 28	23 28.20	−11 42.4	2.034	2.806	15.0	16.6

188880 2006 VE_{108} 9 21.9 46°.59 1°.3/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.55	+ 4 24.2	1.268	2.141	17.9	19.7
8 29	0 16.69	+ 4 12.4	1.215	2.151	13.5	19.5
9 8	0 9.28	+ 3 42.5	1.183	2.163	8.4	19.2
9 18	0 0.23	+ 2 58.8	1.173	2.174	3.0	18.9
9 28	23 50.84	+ 2 8.6	1.188	2.186	3.2	19.0
10 8	23 42.50	+ 1 20.4	1.229	2.199	8.3	19.3
10 18	23 36.29	+ 0 41.7	1.292	2.212	13.1	19.6
10 28	23 32.90	+ 0 17.7	1.377	2.225	17.0	19.9

438339 2006 QU_{112} 9 21.9 8°.30 5°.4/25.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.04	+11 39.0	1.269	2.124	19.0	20.2
8 29	0 13.54	+12 15.3	1.209	2.126	15.2	20.0
9 8	0 7.51	+12 28.2	1.168	2.130	10.9	19.8
9 18	23 59.76	+12 17.4	1.148	2.135	6.9	19.6
9 28	23 51.52	+11 46.3	1.151	2.142	5.5	19.5
10 8	23 44.15	+11 2.5	1.178	2.150	8.4	19.7
10 18	23 38.79	+10 14.7	1.227	2.159	12.4	20.0
10 28	23 36.20	+ 9 31.9	1.298	2.170	16.3	20.2

31909 Chenweitung 9 21.9 92°.97 0°.4/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.42	+ 3 50.8	1.616	2.476	15.3	19.6
8 29	0 16.08	+ 3 11.3	1.563	2.494	11.4	19.4
9 8	0 8.69	+ 2 16.7	1.532	2.511	6.9	19.1
9 18	0 0.04	+ 1 12.1	1.526	2.528	2.1	18.9
9 28	23 51.17	+ 0 4.9	1.547	2.545	2.8	19.0
10 8	23 43.18	− 0 57.4	1.596	2.561	7.3	19.3
10 18	23 36.93	− 1 48.3	1.671	2.577	11.4	19.6
10 28	23 33.02	− 2 23.7	1.767	2.593	14.8	19.8

337329 2001 DN_{55} 9 21.9 273°.81 0°.5/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.35	+ 0 50.3	1.800	2.667	13.7	21.6
8 29	0 14.69	+ 0 17.3	1.718	2.654	10.2	21.3
9 8	0 8.00	− 0 28.0	1.658	2.640	6.1	21.1
9 18	23 59.90	− 1 21.4	1.623	2.627	1.7	20.8
9 28	23 51.28	− 2 16.4	1.617	2.613	3.1	20.8
10 8	23 43.21	− 3 6.5	1.637	2.599	7.6	21.1
10 18	23 36.59	− 3 45.7	1.683	2.585	11.7	21.3
10 28	23 32.15	− 4 9.9	1.751	2.571	15.2	21.5

252886 2002 JE_{81} 9 21.9 158°.01 0°.1/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.06	+ 1 53.5	2.880	3.724	9.8	21.7
8 29	0 12.92	+ 1 27.9	2.807	3.731	7.2	21.5
9 8	0 6.55	+ 0 54.7	2.760	3.737	4.4	21.4
9 18	23 59.42	+ 0 16.4	2.741	3.743	1.3	21.1
9 28	23 52.09	− 0 23.3	2.753	3.749	1.9	21.2
10 8	23 45.18	− 1 0.7	2.794	3.754	4.9	21.4
10 18	23 39.22	− 1 32.5	2.864	3.759	7.7	21.6
10 28	23 34.65	− 1 56.0	2.959	3.763	10.0	21.8

133898 2004 RH_{59} 9 21.9 251°.88 2°.4/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.74	− 1 48.8	1.373	2.258	16.0	19.9
8 29	0 16.18	− 2 53.1	1.304	2.250	11.8	19.7
9 8	0 9.09	− 4 11.5	1.256	2.243	6.9	19.4
9 18	0 0.23	− 5 36.4	1.233	2.235	2.6	19.1
9 28	23 50.80	− 6 57.3	1.236	2.227	5.1	19.2
10 8	23 42.16	− 8 4.3	1.264	2.219	10.1	19.5
10 18	23 35.46	− 8 50.3	1.315	2.210	14.7	19.7
10 28	23 31.52	− 9 12.1	1.386	2.202	18.7	20.0

118218 1996 GM_{17} 9 21.9 150°.53 1°.8/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.87	− 3 3.9	1.833	2.703	13.4	20.1
8 29	0 17.03	− 3 41.9	1.771	2.709	9.8	19.8
9 8	0 9.25	− 4 27.5	1.732	2.716	5.7	19.6
9 18	0 0.21	− 5 15.6	1.719	2.721	2.0	19.4
9 28	23 50.89	− 5 59.8	1.735	2.727	3.9	19.5
10 8	23 42.30	− 6 34.5	1.779	2.732	7.9	19.8
10 18	23 35.31	− 6 55.7	1.849	2.736	11.6	20.0
10 28	23 30.51	− 7 1.3	1.940	2.740	14.7	20.3

416644 2004 TP_{76} 9 21.9 21°.54 0°.7/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 15.40	+ 4 50.3	0.904	1.805	20.8	20.1
8 29	0 12.81	+ 4 8.3	0.860	1.812	15.6	19.8
9 8	0 7.23	+ 3 0.5	0.834	1.820	9.6	19.5
9 18	23 59.69	+ 1 34.7	0.828	1.831	3.0	19.2
9 28	23 51.75	+ 0 3.7	0.843	1.842	3.8	19.3
10 8	23 45.06	− 1 18.3	0.881	1.855	10.0	19.7
10 18	23 40.83	− 2 20.9	0.938	1.868	15.5	20.1
10 28	23 39.80	− 2 57.8	1.014	1.883	20.1	20.4

471884 2013 AF_{112} 9 21.9 242°.22 3°.6/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.52	−20 5.1	4.698	5.570	5.8	21.5
8 29	0 7.12	−21 1.2	4.637	5.562	4.6	21.5
9 8	0 3.00	−21 54.5	4.604	5.555	3.8	21.4
9 18	23 58.41	−22 42.0	4.599	5.548	3.8	21.4
9 28	23 53.68	−23 21.2	4.622	5.540	4.6	21.4
10 8	23 49.16	−23 50.0	4.674	5.532	5.8	21.5
10 18	23 45.17	−24 7.5	4.750	5.525	7.0	21.6
10 28	23 42.00	−24 13.3	4.849	5.517	8.2	21.7

395944 2013 AL_{122} 9 21.9 95°.13 3°.9/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.70	− 9 3.4	1.955	2.839	12.0	20.9
8 29	0 13.87	−10 5.2	1.900	2.845	8.8	20.8
9 8	0 7.32	−11 9.8	1.868	2.850	5.6	20.6
9 18	23 59.66	−12 10.5	1.863	2.855	3.9	20.5
9 28	23 51.77	−13 0.7	1.886	2.861	5.7	20.6
10 8	23 44.53	−13 35.3	1.935	2.866	8.8	20.8
10 18	23 38.71	−13 51.6	2.009	2.871	11.9	21.0
10 28	23 34.85	−13 49.0	2.105	2.877	14.6	21.2

424313 2007 TH_{370} 9 21.9 18°.94 10°.5/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.70	+16 55.9	0.776	1.648	26.3	18.4
8 29	0 14.23	+18 26.8	0.741	1.659	21.9	18.2
9 8	0 8.30	+19 18.1	0.719	1.672	17.1	18.0
9 18	0 0.02	+19 25.3	0.713	1.688	12.7	17.9
9 28	23 51.26	+18 51.2	0.725	1.706	10.5	17.8
10 8	23 43.99	+17 47.5	0.756	1.727	12.0	18.0
10 18	23 39.64	+16 29.8	0.806	1.749	15.6	18.3
10 28	23 39.01	+15 14.0	0.873	1.773	19.5	18.6

107941 2001 FY_{114} 9 21.9 126°.67 4°.2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.21	− 7 37.2	1.501	2.390	14.7	19.5
8 29	0 16.91	− 8 39.3	1.446	2.394	10.8	19.3
9 8	0 9.33	− 9 46.6	1.414	2.398	6.7	19.1
9 18	0 0.26	−10 50.9	1.406	2.402	4.2	18.9
9 28	23 50.86	−11 43.5	1.425	2.406	6.3	19.1
10 8	23 42.36	−12 17.6	1.469	2.409	10.3	19.3
10 18	23 35.74	−12 30.2	1.537	2.413	14.2	19.5
10 28	23 31.68	−12 20.6	1.625	2.416	17.4	19.8

257401 2009 SM_{264} 9 21.9 282°.22 4°.0/14.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.44	−21 37.5	4.330	5.192	6.4	20.1
8 29	0 10.71	−22 3.5	4.261	5.180	5.1	20.0
9 8	0 5.13	−22 25.3	4.218	5.167	4.2	20.0
9 18	23 59.03	−22 40.1	4.204	5.154	4.0	19.9
9 28	23 52.78	−22 45.6	4.218	5.141	4.8	20.0
10 8	23 46.81	−22 40.4	4.261	5.128	6.1	20.1
10 18	23 41.50	−22 23.8	4.330	5.115	7.5	20.2
10 28	23 37.16	−21 56.2	4.421	5.102	8.7	20.3

263944 2009 HD_{80} 9 21.9 57°.01 3°.6/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.78	− 4 56.2	1.198	2.095	17.0	20.0
8 29	0 16.88	− 5 58.1	1.156	2.108	12.4	19.8
9 8	0 9.38	− 7 8.5	1.134	2.122	7.4	19.5
9 18	0 0.28	− 8 18.1	1.136	2.136	3.7	19.4
9 28	23 50.96	− 9 16.5	1.163	2.151	6.1	19.6
10 8	23 42.81	− 9 55.8	1.214	2.165	10.8	19.9
10 18	23 36.89	−10 12.1	1.287	2.180	15.1	20.2
10 28	23 33.85	−10 4.8	1.378	2.195	18.7	20.5

402479 2006 BW_{273} 9 21.9 342°.89 3°.4/24.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.47	+ 8 11.5	1.859	2.695	14.6	19.9
8 29	0 16.23	+ 8 48.6	1.777	2.688	11.5	19.7
9 8	0 8.94	+ 9 12.3	1.718	2.681	7.9	19.5
9 18	0 0.20	+ 9 22.4	1.684	2.675	4.5	19.3
9 28	23 50.96	+ 9 20.8	1.676	2.669	3.8	19.2
10 8	23 42.25	+ 9 11.3	1.697	2.664	6.8	19.4
10 18	23 35.02	+ 8 58.7	1.743	2.659	10.4	19.6
10 28	23 30.01	+ 8 48.2	1.812	2.655	13.7	19.8

365349 2009 SW_{276} 9 21.9 16°.25 0°.7/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.31	+ 0 50.8	1.992	2.861	12.5	20.8
8 29	0 11.42	+ 0 1.6	1.926	2.863	9.2	20.6
9 8	0 5.88	− 0 58.6	1.882	2.866	5.4	20.4
9 18	23 59.29	− 2 5.0	1.866	2.869	1.5	20.1
9 28	23 52.42	− 3 11.3	1.877	2.872	2.9	20.3
10 8	23 46.11	− 4 11.1	1.916	2.875	6.8	20.5
10 18	23 41.08	− 4 59.3	1.980	2.879	10.3	20.7
10 28	23 37.86	− 5 32.3	2.068	2.883	13.4	21.0

264776 2002 GQ_{149} 9 21.9 223°.89 0°.2/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 18.45	+ 1 54.1	2.418	3.269	11.2	21.2
8 29	0 13.51	+ 1 33.5	2.337	3.264	8.3	21.0
9 8	0 7.07	+ 1 3.6	2.280	3.258	5.0	20.8
9 18	23 59.64	+ 0 27.5	2.250	3.253	1.5	20.5
9 28	23 51.89	− 0 10.9	2.250	3.247	2.2	20.6
10 8	23 44.58	− 0 47.1	2.279	3.241	5.7	20.8
10 18	23 38.37	− 1 17.2	2.335	3.234	8.9	21.0
10 28	23 33.80	− 1 37.8	2.415	3.228	11.7	21.2

260596 2005 FG_{11} 9 21.9 165°.06 4°.0/18.4 18

8 19	0 23.50	− 7 50.4	1.623	2.506	14.1	20.5
8 29	0 17.76	− 8 51.8	1.565	2.510	10.3	20.3
9 8	0 9.81	− 9 57.9	1.530	2.513	6.4	20.1
9 18	0 0.43	−11 1.0	1.520	2.516	4.0	20.0
9 28	23 50.73	−11 53.0	1.538	2.518	6.1	20.1
10 8	23 41.85	−12 27.4	1.582	2.520	9.9	20.3
10 18	23 34.78	−12 41.2	1.651	2.521	13.6	20.6
10 28	23 30.16	−12 33.9	1.739	2.522	16.8	20.8

70004 1998 XF_{26} 9 21.9 243°.52 0°.5/21.3 18

8 19	0 16.56	+ 0 21.9	2.522	3.380	10.6	20.0
8 29	0 12.08	− 0 12.9	2.440	3.372	7.8	19.8
9 8	0 6.20	− 0 56.1	2.382	3.364	4.6	19.6
9 18	23 59.39	− 1 44.4	2.353	3.356	1.3	19.4
9 28	23 52.29	− 2 33.3	2.352	3.347	2.4	19.4
10 8	23 45.58	− 3 18.2	2.380	3.339	5.8	19.7
10 18	23 39.89	− 3 55.1	2.436	3.330	8.9	19.8
10 28	23 35.73	− 4 20.9	2.516	3.321	11.6	20.0

476176 2007 TD_{432} 9 21.9 334°.25 2°.3/24.2 18

8 19	0 17.75	+ 8 29.3	1.753	2.598	15.0	21.0
8 29	0 13.51	+ 8 8.6	1.677	2.595	11.6	20.8
9 8	0 7.29	+ 7 29.6	1.624	2.593	7.7	20.6
9 18	23 59.73	+ 6 34.9	1.595	2.591	3.7	20.3
9 28	23 51.77	+ 5 29.9	1.592	2.589	2.9	20.3
10 8	23 44.41	+ 4 22.0	1.617	2.587	6.7	20.5
10 18	23 38.54	+ 3 18.6	1.668	2.586	10.7	20.7
10 28	23 34.84	+ 2 26.0	1.741	2.584	14.2	21.0

92564 2000 OQ_{51} 9 21.9 305°.71 8°.8/30.2 18

8 19	0 17.30	+22 56.0	1.596	2.376	19.1	18.4
8 29	0 13.73	+23 25.0	1.504	2.358	16.4	18.1
9 8	0 7.74	+23 24.5	1.429	2.341	13.4	17.9
9 18	23 59.94	+22 51.3	1.375	2.324	10.6	17.7
9 28	23 51.37	+21 45.4	1.343	2.308	8.9	17.6
10 8	23 43.30	+20 13.0	1.336	2.291	9.6	17.6
10 18	23 36.92	+18 24.0	1.353	2.275	12.3	17.7
10 28	23 33.16	+16 31.3	1.392	2.260	15.7	17.8

27779 1992 DY_{8} 9 21.9 137°.60 1°.8/20.3 18

8 19	0 21.93	− 2 25.0	1.718	2.591	13.9	18.8
8 29	0 16.48	− 3 8.9	1.657	2.598	10.2	18.6
9 8	0 8.99	− 4 1.8	1.620	2.604	6.0	18.4
9 18	0 0.20	− 4 57.9	1.608	2.610	2.1	18.2
9 28	23 51.11	− 5 50.3	1.624	2.616	4.0	18.3
10 8	23 42.78	− 6 32.6	1.668	2.622	8.2	18.6
10 18	23 36.11	− 7 0.2	1.736	2.627	12.0	18.8
10 28	23 31.72	− 7 10.8	1.826	2.631	15.3	19.1

125009 2001 TX_{164} 9 21.9 50°.38 6°.1/17.6 17

8 19	0 21.40	− 8 33.7	1.016	1.926	18.2	19.2
8 29	0 16.85	−10 4.1	0.984	1.942	13.3	19.0
9 8	0 9.44	−11 38.4	0.973	1.960	8.4	18.8
9 18	0 0.32	−13 3.5	0.983	1.977	6.1	18.7
9 28	23 51.05	−14 7.2	1.017	1.996	8.7	18.9
10 8	23 43.19	−14 41.6	1.073	2.014	13.1	19.2
10 18	23 37.83	−14 45.3	1.149	2.033	17.3	19.6
10 28	23 35.57	−14 20.3	1.243	2.053	20.7	19.9

9344 Klopstock 9 21.9 228°.74 1°.1/22.8 18

8 19	0 22.94	+ 4 7.8	1.675	2.530	15.1	18.2
8 29	0 17.46	+ 3 57.9	1.597	2.524	11.5	17.9
9 8	0 9.74	+ 3 33.6	1.541	2.518	7.2	17.7
9 18	0 0.46	+ 2 57.7	1.511	2.512	2.6	17.4
9 28	23 50.65	+ 2 15.4	1.507	2.505	2.8	17.4
10 8	23 41.50	+ 1 33.3	1.531	2.498	7.4	17.6
10 18	23 34.01	+ 0 57.5	1.580	2.490	11.7	17.9
10 28	23 28.96	+ 0 33.2	1.652	2.483	15.5	18.1

238160 2003 SQ_{73} 9 21.9 293°.91 1°.3/23.3 18

8 19	0 15.89	+ 7 38.3	1.725	2.578	14.9	20.1
8 29	0 12.21	+ 6 43.7	1.643	2.568	11.3	19.8
9 8	0 6.57	+ 5 28.5	1.583	2.558	7.2	19.6
9 18	23 59.55	+ 3 56.7	1.548	2.548	2.8	19.3
9 28	23 52.07	+ 2 16.0	1.541	2.538	2.6	19.2
10 8	23 45.13	+ 0 35.8	1.560	2.529	7.1	19.5
10 18	23 39.65	− 0 55.0	1.606	2.520	11.3	19.7
10 28	23 36.33	− 2 9.2	1.675	2.510	15.1	20.0

127406 2002 LD_{33} 9 21.9 207°.85 0°.9/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 15.62	+ 6 47.1	2.875	3.705	10.2	20.8
8 29	0 11.25	+ 5 59.4	2.786	3.699	7.7	20.6
9 8	0 5.65	+ 4 59.8	2.722	3.693	4.9	20.4
9 18	23 59.24	+ 3 51.1	2.687	3.686	1.9	20.2
9 28	23 52.57	+ 2 37.4	2.681	3.679	1.8	20.2
10 8	23 46.25	+ 1 23.9	2.707	3.671	4.7	20.4
10 18	23 40.81	+ 0 15.2	2.761	3.663	7.6	20.6
10 28	23 36.71	− 0 44.5	2.841	3.654	10.2	20.7

120268 2004 GE_{72} 9 21.9 117°.04 1°.9/23.7 18

8 19	0 21.40	+ 7 14.8	1.662	2.509	15.6	20.5
8 29	0 16.18	+ 6 54.3	1.597	2.517	11.9	20.2
9 8	0 8.86	+ 6 16.1	1.554	2.526	7.7	20.0
9 18	0 0.18	+ 5 23.4	1.536	2.534	3.4	19.8
9 28	23 51.16	+ 4 22.3	1.545	2.542	2.8	19.8
10 8	23 42.90	+ 3 20.2	1.581	2.550	7.0	20.0
10 18	23 36.34	+ 2 24.2	1.644	2.558	11.1	20.3
10 28	23 32.12	+ 1 40.3	1.728	2.565	14.6	20.6

227710 2006 DF_{111} 9 21.9 245°.24 3°.7/17.8 18

8 19	0 19.79	−11 35.4	2.474	3.349	10.2	20.2
8 29	0 14.45	−12 11.0	2.402	3.341	7.5	20.1
9 8	0 7.62	−12 46.8	2.356	3.334	5.0	19.9
9 18	23 59.80	−13 18.0	2.337	3.326	3.7	19.8
9 28	23 51.72	−13 40.2	2.347	3.318	5.1	19.9
10 8	23 44.12	−13 49.9	2.385	3.310	7.7	20.0
10 18	23 37.66	−13 45.4	2.449	3.302	10.4	20.2
10 28	23 32.87	−13 26.2	2.536	3.294	12.8	20.4

259717 2003 YS_{72} 9 21.9 303°.50 0°.5/21.6 18

8 19	0 20.39	+ 0 42.1	1.305	2.188	16.8	20.7
8 29	0 16.25	+ 0 20.4	1.224	2.168	12.7	20.4
9 8	0 9.37	− 0 16.7	1.163	2.148	7.7	20.0
9 18	0 0.43	− 1 4.7	1.125	2.128	2.1	19.6
9 28	23 50.67	− 1 56.0	1.112	2.108	3.8	19.7
10 8	23 41.54	− 2 41.6	1.123	2.089	9.5	20.0
10 18	23 34.38	− 3 13.8	1.157	2.071	14.8	20.2
10 28	23 30.17	− 3 27.4	1.210	2.052	19.3	20.5

112114 2002 JE_{44} 9 21.9 89°.00 5°.0/26.3 18

8 19	0 21.77	+14 17.2	1.434	2.261	18.6	19.7
8 29	0 16.77	+14 14.8	1.373	2.273	14.9	19.5
9 8	0 9.35	+13 46.1	1.332	2.285	10.7	19.3
9 18	0 0.34	+12 52.4	1.313	2.297	6.7	19.1
9 28	23 50.95	+11 39.2	1.319	2.309	5.1	19.0
10 8	23 42.49	+10 15.7	1.351	2.321	7.8	19.2
10 18	23 36.01	+ 8 52.4	1.408	2.332	11.8	19.5
10 28	23 32.20	+ 7 38.4	1.487	2.344	15.5	19.8

376410 2012 FB_{75} 9 21.9 116°.50 2°.8/24.4 17

8 19	0 22.46	+ 9 21.4	1.582	2.422	16.6	21.2
8 29	0 17.04	+ 9 3.8	1.519	2.434	12.8	21.0
9 8	0 9.41	+ 8 25.9	1.478	2.445	8.5	20.8
9 18	0 0.34	+ 7 30.6	1.461	2.456	4.2	20.6
9 28	23 50.95	+ 6 23.8	1.471	2.467	3.3	20.5
10 8	23 42.40	+ 5 14.0	1.508	2.477	7.2	20.8
10 18	23 35.65	+ 4 9.1	1.570	2.487	11.3	21.1
10 28	23 31.38	+ 3 15.8	1.655	2.497	14.9	21.3

181022 2005 ND_{101} 9 21.9 86°.78 0°.2/22.1 17

8 19	0 19.59	+ 4 25.9	1.492	2.358	16.1	20.2
8 29	0 14.96	+ 3 28.4	1.436	2.370	11.9	20.0
9 8	0 8.16	+ 2 13.1	1.402	2.383	7.2	19.7
9 18	23 59.98	+ 0 46.2	1.392	2.395	2.1	19.5
9 28	23 51.52	− 0 43.4	1.410	2.407	3.0	19.6
10 8	23 43.94	− 2 5.9	1.454	2.419	7.9	19.9
10 18	23 38.15	− 3 13.8	1.523	2.431	12.2	20.2
10 28	23 34.78	− 4 2.2	1.614	2.443	15.8	20.4

108229 2001 HW_{37} 9 21.9 263°.59 2°.1/24.3 18

8 19	0 16.65	+ 9 48.8	1.924	2.760	14.2	19.8
8 29	0 12.63	+ 9 4.2	1.836	2.749	11.0	19.6
9 8	0 6.76	+ 7 59.5	1.771	2.738	7.3	19.4
9 18	23 59.62	+ 6 37.7	1.731	2.727	3.5	19.1
9 28	23 52.03	+ 5 4.8	1.719	2.716	2.7	19.0
10 8	23 44.92	+ 3 28.9	1.735	2.704	6.4	19.2
10 18	23 39.15	+ 1 58.4	1.778	2.693	10.3	19.5
10 28	23 35.38	+ 0 40.5	1.845	2.681	13.8	19.7

312443 2008 HS_{69} 9 21.9 254°.65 3°.4/18.1 18

8 19	0 19.50	− 9 28.0	2.325	3.200	10.7	21.2
8 29	0 14.41	−10 14.4	2.245	3.185	7.9	21.0
9 8	0 7.68	−11 3.3	2.190	3.170	5.0	20.8
9 18	23 59.86	−11 49.6	2.162	3.155	3.4	20.7
9 28	23 51.67	−12 27.8	2.164	3.139	5.0	20.8
10 8	23 43.93	−12 53.6	2.193	3.123	8.0	20.9
10 18	23 37.36	−13 4.1	2.248	3.107	11.0	21.1
10 28	23 32.54	−12 58.2	2.325	3.090	13.6	21.3

255442 2005 YW_{11} 9 21.9 131°.14 6°.4/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 19.07	−22 57.8	2.746	3.615	9.5	20.4
8 29	0 13.75	−24 8.2	2.708	3.627	7.7	20.3
9 8	0 7.09	−25 11.2	2.697	3.639	6.5	20.3
9 18	23 59.65	−26 1.5	2.712	3.650	6.6	20.3
9 28	23 52.07	−26 34.6	2.754	3.661	7.7	20.4
10 8	23 45.05	−26 48.4	2.822	3.672	9.4	20.5
10 18	23 39.16	−26 42.7	2.914	3.682	11.1	20.6
10 28	23 34.84	−26 18.8	3.025	3.692	12.7	20.8

129129 2004 YJ 9 21.9 318°.68 7°.4/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.75	+16 50.1	1.974	2.755	15.8	19.4
8 29	0 20.42	+18 16.5	1.875	2.737	13.3	19.2
9 8	0 11.69	+19 27.7	1.798	2.719	10.6	19.0
9 18	0 1.11	+20 19.8	1.746	2.701	8.2	18.8
9 28	23 49.63	+20 50.7	1.721	2.684	7.4	18.8
10 8	23 38.46	+21 1.4	1.723	2.667	8.7	18.8
10 18	23 28.74	+20 56.3	1.751	2.650	11.4	18.9
10 28	23 21.41	+20 41.8	1.802	2.635	14.3	19.1

213564 2002 LO_{40} 9 21.9 52°.06 5°.7/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.27	+17 3.0	1.169	2.003	21.6	19.4
8 29	0 15.11	+16 36.2	1.126	2.028	17.3	19.2
9 8	0 8.36	+15 34.9	1.101	2.054	12.5	19.0
9 18	0 0.04	+14 2.6	1.097	2.080	7.9	18.8
9 28	23 51.54	+12 8.4	1.116	2.106	5.7	18.8
10 8	23 44.26	+10 6.3	1.160	2.133	8.3	19.0
10 18	23 39.22	+ 8 10.0	1.228	2.160	12.4	19.4
10 28	23 37.01	+ 6 30.4	1.318	2.187	16.3	19.7

84113 2002 RB_{23} 9 21.9 313°.16 1°.0/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.69	+ 3 34.0	1.302	2.178	17.3	19.6
8 29	0 15.70	+ 3 24.8	1.223	2.162	13.2	19.3
9 8	0 9.01	+ 2 57.9	1.164	2.146	8.3	19.0
9 18	0 0.34	+ 2 16.7	1.129	2.130	2.9	18.6
9 28	23 50.90	+ 1 27.7	1.117	2.115	3.3	18.6
10 8	23 42.13	+ 0 39.5	1.130	2.101	8.8	18.9
10 18	23 35.33	+ 0 0.3	1.167	2.087	14.0	19.1
10 28	23 31.45	− 0 23.4	1.222	2.074	18.5	19.4

113163 2002 RM_{99} 9 21.9 28°.77 0°.6/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.44	− 1 45.7	1.240	2.127	17.3	17.9
8 29	0 17.98	− 1 34.6	1.199	2.144	12.7	17.7
9 8	0 10.00	− 1 33.1	1.178	2.163	7.5	17.5
9 18	0 0.50	− 1 37.2	1.180	2.183	2.1	17.2
9 28	23 50.85	− 1 41.3	1.207	2.204	3.6	17.4
10 8	23 42.40	− 1 40.3	1.259	2.226	8.7	17.7
10 18	23 36.17	− 1 30.3	1.335	2.249	13.1	18.1
10 28	23 32.78	− 1 9.1	1.431	2.273	16.8	18.4

39692 1996 RB_{32} 9 21.9 44°.26 1°.1/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.77	− 4 22.6	4.102	4.966	6.7	19.4
8 29	0 7.37	− 4 57.7	4.032	4.969	4.8	19.3
9 8	0 3.19	− 5 35.7	3.989	4.972	2.8	19.2
9 18	23 58.54	− 6 14.3	3.975	4.975	1.2	19.1
9 28	23 53.76	− 6 50.9	3.991	4.978	2.2	19.1
10 8	23 49.23	− 7 22.8	4.036	4.981	4.1	19.3
10 18	23 45.27	− 7 48.3	4.110	4.985	6.0	19.4
10 28	23 42.20	− 8 5.7	4.209	4.988	7.7	19.6

39717 1996 VE_{2} 9 21.9 263°.50 7°.1/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.21	−17 49.6	1.809	2.692	12.9	19.0
8 29	0 17.58	−18 55.4	1.742	2.678	10.1	18.8
9 8	0 9.78	−19 57.2	1.698	2.664	7.8	18.6
9 18	0 0.49	−20 46.6	1.680	2.649	7.2	18.6
9 28	23 50.76	−21 16.2	1.688	2.634	9.0	18.6
10 8	23 41.71	−21 21.3	1.722	2.619	11.9	18.8
10 18	23 34.33	−21 1.1	1.778	2.604	14.9	19.0
10 28	23 29.31	−20 17.2	1.853	2.589	17.5	19.1

77260 2001 FA_{49} 9 21.9 99°.55 3°.0/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.58	− 5 45.8	1.490	2.372	15.2	19.2
8 29	0 18.66	− 6 21.6	1.436	2.381	11.1	19.0
9 8	0 10.39	− 7 3.3	1.405	2.390	6.6	18.7
9 18	0 0.66	− 7 44.3	1.398	2.398	3.1	18.5
9 28	23 50.64	− 8 17.4	1.419	2.407	5.1	18.7
10 8	23 41.59	− 8 36.7	1.465	2.415	9.4	19.0
10 18	23 34.50	− 8 39.1	1.535	2.423	13.4	19.2
10 28	23 30.04	− 8 23.6	1.626	2.431	16.8	19.5

174152 2002 PB_{39} 9 21.9 100°.42 0°.1/22.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.84	+ 3 21.9	1.516	2.381	15.9	20.8
8 29	0 16.57	+ 2 35.3	1.462	2.396	11.8	20.5
9 8	0 9.12	+ 1 32.7	1.430	2.411	7.1	20.3
9 18	0 0.29	+ 0 20.2	1.423	2.425	2.0	20.0
9 28	23 51.21	− 0 54.3	1.442	2.439	3.0	20.1
10 8	23 43.04	− 2 2.1	1.489	2.453	7.8	20.5
10 18	23 36.71	− 2 56.5	1.561	2.467	12.1	20.8
10 28	23 32.85	− 3 33.2	1.654	2.480	15.7	21.0

445403 2010 TB_{31} 9 21.9 249°.14 1°.3/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 21.52	− 3 30.0	2.176	3.041	11.7	21.0
8 29	0 15.91	− 3 43.2	2.100	3.036	8.6	20.8
9 8	0 8.60	− 4 1.9	2.049	3.031	5.1	20.6
9 18	0 0.15	− 4 22.6	2.024	3.027	1.7	20.3
9 28	23 51.37	− 4 41.0	2.029	3.022	3.1	20.5
10 8	23 43.12	− 4 53.1	2.062	3.017	6.8	20.7
10 18	23 36.17	− 4 56.1	2.122	3.012	10.2	20.9
10 28	23 31.11	− 4 47.9	2.205	3.007	13.1	21.1

257622 1999 TG_{126} 9 21.9 10°.01 1°.3/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.26	− 1 46.8	0.977	1.882	19.2	19.5
8 29	0 15.64	− 1 56.2	0.928	1.884	14.2	19.2
9 8	0 8.98	− 2 18.6	0.898	1.887	8.4	18.9
9 18	0 0.31	− 2 47.8	0.888	1.892	2.4	18.6
9 28	23 51.18	− 3 15.1	0.901	1.898	4.5	18.8
10 8	23 43.26	− 3 32.2	0.936	1.906	10.4	19.1
10 18	23 37.83	− 3 33.6	0.992	1.915	15.7	19.5
10 28	23 35.66	− 3 16.6	1.066	1.925	20.1	19.8

365283 2009 QQ_{56} 9 21.9 298°.22 0°.1/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.87	+ 3 10.5	2.150	3.008	12.1	21.0
8 29	0 11.11	+ 2 15.9	2.067	2.999	9.0	20.8
9 8	0 5.77	+ 1 8.1	2.009	2.990	5.4	20.5
9 18	23 59.36	− 0 8.7	1.977	2.980	1.5	20.3
9 28	23 52.60	− 1 28.3	1.974	2.971	2.5	20.3
10 8	23 46.28	− 2 43.9	2.000	2.962	6.4	20.6
10 18	23 41.11	− 3 49.6	2.052	2.953	9.9	20.8
10 28	23 37.67	− 4 40.9	2.128	2.944	13.0	20.9

523627 2008 QB_{43} 9 21.9 340°.27 0°.5/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	23 59.57	+22 23.0	37.403	38.104	1.1	21.9
8 29	23 58.80	+22 22.5	37.306	38.103	0.9	21.9
9 8	23 57.95	+22 20.7	37.232	38.102	0.8	21.9
9 18	23 57.07	+22 17.6	37.184	38.101	0.6	21.9
9 28	23 56.16	+22 13.4	37.162	38.100	0.5	21.9
10 8	23 55.28	+22 8.3	37.169	38.099	0.6	21.9
10 18	23 54.45	+22 2.4	37.203	38.097	0.7	21.9
10 28	23 53.70	+21 56.0	37.265	38.096	0.8	21.9

289739 2005 JX_{35} 9 21.9 49°.79 0°.9/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.96	+ 6 24.8	1.128	2.005	19.4	20.5
8 29	0 15.51	+ 5 25.4	1.095	2.033	14.4	20.2
9 8	0 8.55	+ 4 3.4	1.080	2.061	8.8	20.0
9 18	0 0.12	+ 2 27.1	1.089	2.090	3.0	19.8
9 28	23 51.62	+ 0 48.0	1.122	2.120	3.2	19.9
10 8	23 44.39	− 0 41.7	1.179	2.150	8.6	20.3
10 18	23 39.39	− 1 53.4	1.260	2.179	13.3	20.7
10 28	23 37.18	− 2 42.1	1.362	2.209	17.2	21.0

351412 2005 GD_{7} 9 21.9 217°.39 1°.5/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.26	− 2 7.0	2.177	3.042	11.7	21.9
8 29	0 14.29	− 2 53.0	2.099	3.036	8.6	21.7
9 8	0 7.66	− 3 47.2	2.046	3.029	5.0	21.5
9 18	23 59.91	− 4 45.1	2.020	3.022	1.7	21.2
9 28	23 51.81	− 5 40.9	2.023	3.015	3.4	21.4
10 8	23 44.20	− 6 29.0	2.055	3.007	7.0	21.6
10 18	23 37.82	− 7 5.2	2.113	2.999	10.4	21.8
10 28	23 33.27	− 7 26.5	2.195	2.990	13.3	22.0

517135 2013 JJ_{8} 9 21.9 175°.03 5°.1/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.80	−16 45.2	2.520	3.395	10.0	21.7
8 29	0 14.42	−17 38.2	2.463	3.397	7.6	21.6
9 8	0 7.59	−18 27.8	2.432	3.398	5.7	21.4
9 18	23 59.86	−19 8.8	2.428	3.398	5.2	21.4
9 28	23 51.92	−19 36.3	2.452	3.399	6.5	21.5
10 8	23 44.52	−19 47.4	2.503	3.399	8.7	21.6
10 18	23 38.30	−19 41.0	2.580	3.399	11.0	21.8
10 28	23 33.73	−19 17.6	2.677	3.399	13.0	22.0

323647 2004 YJ_{23} 9 21.9 207°.94 2°.9/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.83	− 4 49.8	1.827	2.700	13.2	21.9
8 29	0 17.22	− 5 53.5	1.754	2.695	9.7	21.7
9 8	0 9.55	− 7 5.4	1.704	2.688	5.8	21.5
9 18	0 0.47	− 8 18.7	1.681	2.680	2.9	21.3
9 28	23 50.95	− 9 25.7	1.687	2.672	5.0	21.4
10 8	23 42.06	−10 19.2	1.720	2.663	8.9	21.6
10 18	23 34.71	−10 54.7	1.779	2.653	12.6	21.8
10 28	23 29.61	−11 10.0	1.859	2.642	15.8	22.0

315903 2008 QJ_{42} 9 21.9 310°.24 1°.2/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 9.88	+ 8 22.2	4.187	5.006	7.4	20.5
8 29	0 6.77	+ 7 49.3	4.096	4.999	5.7	20.4
9 8	0 2.88	+ 7 8.0	4.030	4.993	3.8	20.3
9 18	23 58.50	+ 6 20.1	3.992	4.987	1.8	20.1
9 28	23 53.97	+ 5 27.9	3.985	4.981	1.4	20.1
10 8	23 49.66	+ 4 34.3	4.007	4.974	3.2	20.2
10 18	23 45.89	+ 3 42.2	4.060	4.968	5.2	20.4
10 28	23 42.97	+ 2 54.5	4.139	4.962	7.0	20.5

354408 2003 UR_{205} 9 21.9 346°.93 10°.2/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	23 59.19	+18 47.1	0.877	1.751	23.8	18.5
8 29	0 1.13	+19 41.2	0.799	1.719	20.5	18.2
9 8	0 0.57	+19 56.2	0.736	1.689	16.7	17.9
9 18	23 58.02	+19 25.1	0.688	1.663	12.9	17.5
9 28	23 54.64	+18 6.7	0.657	1.641	10.4	17.3
10 8	23 51.98	+16 9.5	0.644	1.623	11.3	17.3
10 18	23 51.54	+13 50.5	0.649	1.608	15.1	17.4
10 28	23 54.45	+11 31.0	0.671	1.598	19.8	17.6

263674 2008 GG_{120} 9 21.9 39°.36 6°.2/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.72	−11 32.5	1.247	2.149	16.1	19.3
8 29	0 16.87	−12 40.4	1.206	2.158	12.0	19.1
9 8	0 9.44	−13 48.5	1.185	2.168	8.0	18.9
9 18	0 0.42	−14 46.8	1.188	2.177	6.2	18.8
9 28	23 51.16	−15 25.6	1.215	2.188	8.4	19.0
10 8	23 43.04	−15 39.3	1.266	2.199	12.3	19.3
10 18	23 37.10	−15 26.7	1.337	2.210	16.1	19.5
10 28	23 33.99	−14 49.6	1.427	2.222	19.3	19.8

54884 2001 OW_{58} 9 21.9 330°.05 1°.1/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.74	− 1 22.0	1.784	2.658	13.5	18.5
8 29	0 14.21	− 1 52.1	1.713	2.653	9.9	18.2
9 8	0 7.73	− 2 31.6	1.664	2.648	5.9	18.0
9 18	23 59.95	− 3 16.2	1.641	2.644	1.7	17.7
9 28	23 51.78	− 3 59.6	1.645	2.639	3.4	17.8
10 8	23 44.22	− 4 35.8	1.676	2.635	7.6	18.1
10 18	23 38.14	− 5 0.1	1.732	2.631	11.5	18.3
10 28	23 34.19	− 5 9.6	1.810	2.628	14.9	18.5

93781 2000 WZ_{31} 9 21.9 261°.03 5°.5/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.15	−15 16.1	2.171	3.055	11.0	19.5
8 29	0 13.49	−16 27.0	2.110	3.050	8.4	19.3
9 8	0 7.17	−17 36.1	2.074	3.044	6.2	19.2
9 18	23 59.78	−18 36.9	2.064	3.038	5.6	19.1
9 28	23 52.09	−19 22.8	2.082	3.033	7.2	19.2
10 8	23 44.95	−19 49.7	2.126	3.027	9.8	19.4
10 18	23 39.09	−19 55.7	2.194	3.021	12.4	19.5
10 28	23 35.07	−19 41.2	2.282	3.016	14.7	19.7

18091 Iranmanesh 9 21.9 252°.92 0°.8/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.75	+ 1 35.8	1.662	2.532	14.5	17.9
8 29	0 14.40	+ 0 38.4	1.586	2.524	10.7	17.7
9 8	0 7.95	− 0 34.3	1.532	2.516	6.4	17.4
9 18	0 0.04	− 1 56.5	1.505	2.508	1.7	17.1
9 28	23 51.66	− 3 20.1	1.504	2.499	3.4	17.2
10 8	23 43.89	− 4 36.2	1.531	2.491	8.1	17.5
10 18	23 37.69	− 5 37.7	1.582	2.482	12.4	17.7
10 28	23 33.77	− 6 19.9	1.655	2.473	16.0	17.9

315353 2007 UL_{44} 9 21.9 134°.96 1°.7/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.11	− 2 32.4	1.512	2.385	15.5	21.0
8 29	0 19.80	− 3 1.8	1.454	2.394	11.4	20.8
9 8	0 11.12	− 3 40.4	1.419	2.403	6.7	20.6
9 18	0 0.92	− 4 22.4	1.408	2.411	2.2	20.3
9 28	23 50.40	− 5 0.9	1.425	2.419	4.1	20.5
10 8	23 40.83	− 5 29.4	1.469	2.426	8.8	20.8
10 18	23 33.24	− 5 43.7	1.537	2.432	13.0	21.0
10 28	23 28.30	− 5 41.5	1.627	2.439	16.5	21.3

207984 1997 TG_{6} 9 21.9 4°.33 1°.2/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.23	− 0 17.8	1.815	2.688	13.3	20.3
8 29	0 13.03	− 1 11.4	1.748	2.688	9.7	20.1
9 8	0 6.99	− 2 16.3	1.704	2.688	5.7	19.9
9 18	23 59.74	− 3 27.0	1.686	2.689	1.7	19.6
9 28	23 52.16	− 4 36.4	1.695	2.689	3.5	19.7
10 8	23 45.19	− 5 37.2	1.732	2.689	7.6	20.0
10 18	23 39.64	− 6 24.0	1.794	2.690	11.4	20.2
10 28	23 36.14	− 6 53.4	1.878	2.691	14.6	20.4

228159 2009 SQ_{114} 9 21.9 335°.19 2°.8/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.05	+ 9 18.0	1.342	2.202	17.9	20.4
8 29	0 13.58	+ 8 54.5	1.270	2.195	13.9	20.1
9 8	0 7.65	+ 8 6.5	1.217	2.189	9.3	19.8
9 18	23 59.99	+ 6 56.8	1.187	2.184	4.5	19.6
9 28	23 51.75	+ 5 32.7	1.182	2.179	3.5	19.5
10 8	23 44.26	+ 4 4.6	1.201	2.174	8.0	19.7
10 18	23 38.63	+ 2 43.3	1.244	2.170	12.8	20.0
10 28	23 35.69	+ 1 37.5	1.308	2.167	17.1	20.3

491959 2013 CQ_{213} 9 21.9 320°.73 1°.9/25.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 12.13	+10 33.2	4.058	4.862	7.9	21.5
8 29	0 8.44	+10 29.7	3.967	4.858	6.2	21.4
9 8	0 3.90	+10 17.8	3.902	4.853	4.3	21.3
9 18	23 58.82	+ 9 58.3	3.863	4.849	2.6	21.1
9 28	23 53.57	+ 9 33.0	3.854	4.845	2.0	21.1
10 8	23 48.54	+ 9 4.2	3.875	4.841	3.4	21.2
10 18	23 44.10	+ 8 34.3	3.925	4.837	5.3	21.3
10 28	23 40.58	+ 8 6.1	4.002	4.833	7.1	21.5

441940 2010 JL_{147} 9 21.9 140°.69 1°.5/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 19.00	+ 7 1.5	2.025	2.865	13.4	21.6
8 29	0 14.15	+ 6 29.7	1.954	2.871	10.2	21.4
9 8	0 7.59	+ 5 42.6	1.906	2.877	6.5	21.2
9 18	23 59.91	+ 4 43.6	1.884	2.883	2.7	21.0
9 28	23 51.93	+ 3 37.9	1.891	2.888	2.4	21.0
10 8	23 44.55	+ 2 32.1	1.926	2.893	6.1	21.2
10 18	23 38.51	+ 1 32.2	1.988	2.898	9.7	21.4
10 28	23 34.38	+ 0 43.4	2.074	2.903	12.8	21.7

229946 1998 UZ_{9} 9 21.9 330°.56 0°.1/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.83	+ 2 14.3	1.191	2.080	17.7	20.6
8 29	0 13.72	+ 1 49.6	1.118	2.065	13.3	20.3
9 8	0 7.90	+ 1 6.2	1.064	2.050	8.1	20.0
9 18	0 0.10	+ 0 9.0	1.033	2.036	2.4	19.6
9 28	23 51.57	− 0 53.4	1.025	2.023	3.6	19.6
10 8	23 43.78	− 1 50.8	1.041	2.011	9.5	19.9
10 18	23 38.02	− 2 34.5	1.079	2.001	14.8	20.2
10 28	23 35.23	− 2 58.2	1.136	1.991	19.4	20.5

131528 2001 UT_{52} 9 21.9 25°.32 0°.8/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.52	+ 5 42.4	1.185	2.062	18.6	19.6
8 29	0 14.78	+ 4 51.5	1.125	2.064	14.0	19.3
9 8	0 8.39	+ 3 36.7	1.085	2.067	8.7	19.0
9 18	0 0.20	+ 2 4.4	1.068	2.070	2.9	18.7
9 28	23 51.52	+ 0 25.3	1.075	2.073	3.3	18.8
10 8	23 43.79	− 1 8.0	1.106	2.076	9.0	19.1
10 18	23 38.19	− 2 25.1	1.160	2.080	14.2	19.4
10 28	23 35.49	− 3 19.1	1.235	2.084	18.5	19.7

450782 2007 TW_{72} 9 21.9 347°.42 11°.4/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.54	+30 50.6	0.975	1.764	27.9	20.6
8 29	0 10.43	+30 23.7	0.905	1.760	24.6	20.4
9 8	0 6.18	+28 56.2	0.847	1.756	20.4	20.1
9 18	23 59.63	+26 21.0	0.804	1.754	15.9	19.8
9 28	23 52.34	+22 41.9	0.781	1.751	12.2	19.6
10 8	23 46.11	+18 18.2	0.780	1.750	11.7	19.6
10 18	23 42.41	+13 40.2	0.803	1.749	15.0	19.8
10 28	23 42.16	+ 9 20.0	0.847	1.750	19.7	20.0

112379 2002 NW_{25} 9 21.9 19°.28 5°.1/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.40	+10 48.4	1.146	2.006	20.3	18.4
8 29	0 16.30	+11 17.6	1.090	2.011	16.1	18.2
9 8	0 9.36	+11 21.7	1.051	2.017	11.3	17.9
9 18	0 0.49	+11 0.9	1.033	2.023	6.7	17.7
9 28	23 51.09	+10 19.9	1.038	2.031	5.3	17.7
10 8	23 42.73	+ 9 27.4	1.067	2.040	8.8	17.9
10 18	23 36.64	+ 8 33.6	1.117	2.049	13.4	18.2
10 28	23 33.65	+ 7 47.9	1.188	2.059	17.6	18.5

77536 2001 HX_{62} 9 21.9 197°.29 1°.8/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.22	+ 7 33.8	1.790	2.632	14.9	20.7
8 29	0 16.10	+ 7 4.5	1.712	2.630	11.4	20.5
9 8	0 8.92	+ 6 17.3	1.656	2.627	7.4	20.2
9 18	0 0.33	+ 5 15.2	1.626	2.624	3.2	20.0
9 28	23 51.31	+ 4 4.2	1.623	2.620	2.7	19.9
10 8	23 42.90	+ 2 51.8	1.648	2.616	6.8	20.2
10 18	23 36.03	+ 1 45.5	1.700	2.612	10.9	20.4
10 28	23 31.39	+ 0 51.5	1.775	2.606	14.5	20.6

113493 2002 TB_{4} 9 21.9 334°.01 2°.2/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.60	− 3 19.1	1.528	2.416	14.5	19.3
8 29	0 13.70	− 3 59.7	1.458	2.406	10.7	19.0
9 8	0 7.60	− 4 50.0	1.409	2.396	6.3	18.7
9 18	23 59.97	− 5 44.1	1.384	2.386	2.4	18.5
9 28	23 51.86	− 6 34.2	1.386	2.378	4.6	18.6
10 8	23 44.41	− 7 12.9	1.413	2.369	9.0	18.8
10 18	23 38.63	− 7 35.1	1.463	2.362	13.3	19.1
10 28	23 35.25	− 7 38.1	1.534	2.355	16.9	19.3

514931 2008 UU_{249} 9 21.9 263°.37 2°.2/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.80	− 4 2.7	1.838	2.713	13.1	22.2
8 29	0 15.80	− 4 45.0	1.757	2.699	9.6	21.9
9 8	0 8.76	− 5 35.3	1.699	2.684	5.7	21.7
9 18	0 0.30	− 6 28.4	1.668	2.669	2.4	21.4
9 28	23 51.34	− 7 17.4	1.664	2.653	4.3	21.5
10 8	23 42.92	− 7 56.1	1.687	2.638	8.4	21.7
10 18	23 35.95	− 8 20.0	1.736	2.622	12.3	21.9
10 28	23 31.17	− 8 26.3	1.806	2.606	15.6	22.1

455087 2015 UT_{65} 9 21.9 289°.12 8°.6/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.03	−26 6.9	2.245	3.117	11.2	21.2
8 29	0 14.28	−27 32.8	2.185	3.098	9.5	21.1
9 8	0 7.73	−28 49.6	2.150	3.080	8.6	21.0
9 18	23 59.98	−29 49.9	2.139	3.062	8.9	21.0
9 28	23 51.86	−30 27.1	2.154	3.043	10.4	21.0
10 8	23 44.27	−30 38.0	2.192	3.025	12.3	21.1
10 18	23 38.03	−30 22.3	2.252	3.007	14.4	21.3
10 28	23 33.74	−29 41.9	2.328	2.988	16.2	21.4

401712 2013 HU_{106} 9 21.9 39°.14 3°.0/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 20.54	− 8 0.0	2.027	2.904	11.9	20.5
8 29	0 15.24	− 8 28.6	1.966	2.908	8.7	20.3
9 8	0 8.21	− 8 59.7	1.929	2.912	5.3	20.1
9 18	0 0.10	− 9 28.4	1.920	2.917	3.0	19.9
9 28	23 51.74	− 9 49.8	1.938	2.921	4.6	20.1
10 8	23 44.04	− 9 59.7	1.983	2.926	7.9	20.3
10 18	23 37.73	− 9 56.0	2.055	2.931	11.1	20.5
10 28	23 33.38	− 9 37.9	2.148	2.936	13.8	20.7

259950 2004 EC_{70} 9 21.9 227°.70 0°.5/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.26	+ 1 32.7	1.791	2.652	14.0	21.8
8 29	0 16.17	+ 0 49.8	1.710	2.643	10.4	21.5
9 8	0 8.99	− 0 6.6	1.652	2.634	6.2	21.3
9 18	0 0.38	− 1 11.7	1.621	2.624	1.7	21.0
9 28	23 51.27	− 2 18.9	1.618	2.613	3.1	21.0
10 8	23 42.73	− 3 20.6	1.642	2.602	7.6	21.3
10 18	23 35.70	− 4 10.6	1.692	2.591	11.8	21.5
10 28	23 30.91	− 4 44.3	1.764	2.579	15.3	21.7

517992 2015 UX_{44} 9 21.9 263°.40 2°.4/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.53	− 4 43.9	2.323	3.198	10.7	21.5
8 29	0 11.47	− 5 50.2	2.250	3.193	7.8	21.3
9 8	0 5.95	− 7 2.9	2.203	3.187	4.6	21.1
9 18	23 59.47	− 8 16.8	2.183	3.182	2.4	21.0
9 28	23 52.69	− 9 25.7	2.193	3.177	4.1	21.1
10 8	23 46.36	−10 24.0	2.230	3.171	7.2	21.3
10 18	23 41.12	−11 7.7	2.294	3.166	10.3	21.5
10 28	23 37.49	−11 34.5	2.380	3.160	12.9	21.6

117559 2005 ED_{24} 9 21.9 139°.97 5°.2/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.42	+17 48.4	2.258	3.034	14.3	20.3
8 29	0 15.88	+18 1.0	2.182	3.044	11.7	20.1
9 8	0 8.63	+17 54.2	2.128	3.053	8.9	20.0
9 18	0 0.25	+17 28.1	2.098	3.062	6.4	19.8
9 28	23 51.55	+16 44.8	2.096	3.071	5.2	19.8
10 8	23 43.40	+15 49.2	2.121	3.079	6.4	19.9
10 18	23 36.56	+14 47.5	2.174	3.086	8.9	20.0
10 28	23 31.62	+13 46.1	2.253	3.093	11.5	20.2

521240 2015 HS_{189} 9 21.9 334°.97 6°.5/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.29	− 9 57.1	1.352	2.260	14.7	20.1
8 29	0 11.50	−11 56.8	1.293	2.249	10.9	19.9
9 8	0 6.39	−14 3.4	1.255	2.239	7.5	19.7
9 18	23 59.66	−16 4.7	1.243	2.229	6.6	19.6
9 28	23 52.43	−17 47.4	1.255	2.220	9.2	19.7
10 8	23 45.93	−19 1.4	1.290	2.212	13.1	19.9
10 18	23 41.22	−19 42.0	1.346	2.205	16.9	20.2
10 28	23 39.04	−19 49.0	1.420	2.198	20.1	20.4

147498 2004 CZ_{99} 9 21.9 219°.63 2°.3/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.97	− 3 33.0	1.717	2.593	13.8	20.3
8 29	0 16.72	− 4 23.8	1.645	2.587	10.1	20.1
9 8	0 9.33	− 5 23.8	1.596	2.581	6.0	19.8
9 18	0 0.49	− 6 26.6	1.573	2.574	2.5	19.6
9 28	23 51.20	− 7 24.8	1.578	2.567	4.5	19.7
10 8	23 42.57	− 8 11.4	1.609	2.560	8.7	20.0
10 18	23 35.55	− 8 41.5	1.666	2.552	12.7	20.2
10 28	23 30.85	− 8 52.6	1.744	2.544	16.1	20.4

389347 2009 UK_{11} 9 21.9 300°.60 1°.5/19.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 11.32	− 6 40.2	4.169	5.037	6.5	21.1
8 29	0 7.81	− 7 12.8	4.095	5.034	4.7	21.0
9 8	0 3.53	− 7 47.5	4.048	5.030	2.8	20.8
9 18	23 58.76	− 8 21.7	4.030	5.027	1.5	20.7
9 28	23 53.85	− 8 53.1	4.041	5.024	2.5	20.8
10 8	23 49.17	− 9 19.1	4.082	5.021	4.3	20.9
10 18	23 45.06	− 9 38.1	4.151	5.018	6.2	21.1
10 28	23 41.83	− 9 48.7	4.245	5.015	7.8	21.2

485303 2011 AG_{54} 9 21.9 331°.48 2°.7/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.02	+ 9 39.6	2.257	3.083	12.8	22.0
8 29	0 13.38	+ 9 40.4	2.177	3.080	10.0	21.8
9 8	0 7.15	+ 9 27.1	2.118	3.079	6.8	21.6
9 18	23 59.84	+ 9 0.7	2.086	3.077	3.8	21.4
9 28	23 52.19	+ 8 24.5	2.082	3.075	3.0	21.3
10 8	23 45.00	+ 7 43.1	2.105	3.073	5.6	21.5
10 18	23 38.98	+ 7 1.5	2.156	3.072	8.8	21.7
10 28	23 34.71	+ 6 24.7	2.232	3.070	11.7	21.9

113636 2002 TH_{75} 9 21.9 330°.36 3°.8/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.47	− 7 59.7	1.717	2.604	13.2	19.3
8 29	0 14.82	− 8 51.4	1.653	2.600	9.7	19.1
9 8	0 8.15	− 9 47.4	1.612	2.596	6.1	18.9
9 18	0 0.14	−10 41.0	1.597	2.593	3.8	18.7
9 28	23 51.77	−11 24.9	1.608	2.589	5.7	18.9
10 8	23 44.08	−11 53.3	1.646	2.586	9.4	19.1
10 18	23 37.97	−12 3.0	1.708	2.584	13.0	19.3
10 28	23 34.08	−11 53.0	1.790	2.581	16.1	19.5

262985 2007 EG_{46} 9 21.9 170°.80 0°.0/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 17.41	+ 2 1.3	2.749	3.595	10.1	21.7
8 29	0 12.61	+ 1 29.6	2.673	3.598	7.5	21.6
9 8	0 6.53	+ 0 49.5	2.623	3.601	4.5	21.4
9 18	23 59.64	+ 0 3.9	2.601	3.603	1.3	21.1
9 28	23 52.53	− 0 43.3	2.608	3.605	2.0	21.2
10 8	23 45.82	− 1 27.7	2.645	3.606	5.1	21.4
10 18	23 40.08	− 2 5.9	2.711	3.607	8.0	21.6
10 28	23 35.76	− 2 34.7	2.801	3.608	10.5	21.8

166427 2002 PZ_{15} 9 21.9 38°.60 0°.4/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.53	+ 2 8.5	1.537	2.412	15.2	19.9
8 29	0 13.46	+ 1 19.5	1.481	2.421	11.2	19.7
9 8	0 7.34	+ 0 15.9	1.447	2.431	6.7	19.4
9 18	23 59.90	− 0 56.5	1.437	2.440	1.8	19.1
9 28	23 52.17	− 2 9.5	1.454	2.451	3.2	19.3
10 8	23 45.23	− 3 14.8	1.497	2.461	7.8	19.6
10 18	23 39.96	− 4 6.0	1.565	2.472	12.0	19.9
10 28	23 36.98	− 4 39.0	1.654	2.484	15.5	20.1

1776 Kuiper 9 21.9 230°.37 0°.2/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.63	+ 2 32.6	2.282	3.139	11.6	16.2
8 29	0 11.57	+ 1 41.0	2.207	3.138	8.5	16.0
9 8	0 6.03	+ 0 38.0	2.156	3.136	5.1	15.8
9 18	23 59.52	− 0 32.3	2.132	3.135	1.4	15.5
9 28	23 52.73	− 1 44.2	2.138	3.134	2.4	15.6
10 8	23 46.40	− 2 51.8	2.172	3.133	6.0	15.8
10 18	23 41.18	− 3 49.8	2.233	3.131	9.3	16.0
10 28	23 37.59	− 4 34.5	2.318	3.130	12.2	16.2

152780 1999 RG_{189} 9 21.9 313°.96 0°.1/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.90	+ 3 52.6	2.013	2.872	12.8	19.8
8 29	0 11.26	+ 2 54.4	1.934	2.865	9.5	19.5
9 8	0 5.95	+ 1 41.6	1.878	2.858	5.8	19.3
9 18	23 59.52	+ 0 18.7	1.848	2.851	1.7	19.0
9 28	23 52.73	− 1 7.7	1.847	2.844	2.5	19.1
10 8	23 46.42	− 2 29.9	1.874	2.837	6.6	19.3
10 18	23 41.33	− 3 41.4	1.927	2.831	10.3	19.5
10 28	23 38.07	− 4 37.3	2.004	2.825	13.5	19.7

320750 2008 EL_{59} 9 21.9 92°.65 0°.1/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.34	+ 1 59.3	1.510	2.376	15.9	20.8
8 29	0 17.74	+ 1 32.5	1.455	2.390	11.8	20.6
9 8	0 9.90	+ 0 52.0	1.422	2.403	7.1	20.4
9 18	0 0.64	+ 0 2.7	1.414	2.417	2.0	20.1
9 28	23 51.12	− 0 48.4	1.433	2.430	3.0	20.2
10 8	23 42.52	− 1 34.1	1.479	2.443	7.9	20.5
10 18	23 35.80	− 2 8.4	1.549	2.456	12.1	20.8
10 28	23 31.62	− 2 27.7	1.641	2.469	15.7	21.1

153007 2000 JU_{35} 9 21.9 47°.69 1°.2/21.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.01	− 0 58.2	1.302	2.186	16.8	19.8
8 29	0 16.97	− 1 27.4	1.256	2.201	12.3	19.5
9 8	0 9.50	− 2 8.3	1.231	2.217	7.2	19.3
9 18	0 0.53	− 2 54.6	1.230	2.233	2.1	19.0
9 28	23 51.34	− 3 38.6	1.255	2.250	3.9	19.2
10 8	23 43.22	− 4 12.7	1.304	2.267	8.9	19.6
10 18	23 37.19	− 4 32.1	1.377	2.284	13.3	19.9
10 28	23 33.86	− 4 34.2	1.470	2.302	17.0	20.1

261700 2005 YC_{237} 9 21.9 257°.28 3°.7/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.89	+13 16.5	2.342	3.148	13.0	20.8
8 29	0 13.30	+13 18.4	2.255	3.142	10.4	20.6
9 8	0 7.13	+13 4.1	2.190	3.137	7.5	20.4
9 18	23 59.87	+12 34.4	2.151	3.132	4.8	20.3
9 28	23 52.24	+11 51.8	2.139	3.127	3.8	20.2
10 8	23 45.03	+11 1.0	2.156	3.121	5.7	20.3
10 18	23 38.95	+10 7.3	2.200	3.116	8.6	20.5
10 28	23 34.59	+ 9 16.6	2.269	3.111	11.4	20.6

304498 2006 UW_{153} 9 21.9 47°.04 1°.9/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.23	+ 6 55.7	1.600	2.454	15.7	20.2
8 29	0 14.62	+ 6 38.8	1.546	2.470	12.0	20.0
9 8	0 7.99	+ 6 4.7	1.514	2.487	7.7	19.8
9 18	0 0.10	+ 5 16.7	1.505	2.504	3.4	19.6
9 28	23 51.96	+ 4 21.0	1.524	2.521	2.8	19.6
10 8	23 44.65	+ 3 25.0	1.569	2.539	6.9	19.9
10 18	23 39.02	+ 2 35.2	1.639	2.557	10.9	20.2
10 28	23 35.66	+ 1 57.2	1.731	2.575	14.3	20.5

445735 2011 UH_{360} 9 21.9 253°.90 0°.8/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.93	+ 4 50.5	2.026	2.876	13.0	21.7
8 29	0 13.48	+ 4 19.5	1.946	2.871	9.8	21.5
9 8	0 7.29	+ 3 34.6	1.890	2.866	6.2	21.2
9 18	23 59.92	+ 2 39.2	1.860	2.861	2.2	21.0
9 28	23 52.17	+ 1 38.5	1.858	2.855	2.3	21.0
10 8	23 44.94	+ 0 38.9	1.884	2.850	6.3	21.2
10 18	23 38.98	− 0 13.7	1.936	2.844	10.0	21.5
10 28	23 34.93	− 0 54.7	2.012	2.839	13.2	21.7

361024 2005 WQ_{68} 9 21.9 300°.71 2°.3/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 17.01	+ 9 1.3	2.139	2.972	13.1	21.5
8 29	0 12.73	+ 8 42.8	2.059	2.969	10.2	21.3
9 8	0 6.81	+ 8 8.7	2.001	2.966	6.8	21.1
9 18	23 59.78	+ 7 21.1	1.969	2.963	3.4	20.9
9 28	23 52.40	+ 6 24.4	1.965	2.960	2.7	20.8
10 8	23 45.50	+ 5 24.2	1.989	2.958	5.7	21.0
10 18	23 39.82	+ 4 26.5	2.039	2.955	9.2	21.2
10 28	23 35.93	+ 3 36.7	2.115	2.952	12.3	21.4

323666 2005 EM_{82} 9 21.9 139°.72 1°.3/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.26	+ 5 27.7	1.636	2.487	15.6	21.6
8 29	0 17.65	+ 5 3.4	1.571	2.495	11.8	21.4
9 8	0 9.87	+ 4 22.6	1.528	2.503	7.4	21.2
9 18	0 0.66	+ 3 29.1	1.510	2.511	2.8	20.9
9 28	23 51.10	+ 2 29.1	1.520	2.518	2.7	20.9
10 8	23 42.34	+ 1 30.4	1.557	2.524	7.3	21.2
10 18	23 35.32	+ 0 39.6	1.620	2.531	11.5	21.5
10 28	23 30.73	+ 0 2.0	1.705	2.536	15.1	21.7

346509 2008 UZ_{131} 9 21.9 21°.27 2°.6/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.51	+ 8 38.8	1.410	2.269	17.2	20.2
8 29	0 13.72	+ 8 18.1	1.348	2.273	13.3	20.0
9 8	0 7.64	+ 7 35.6	1.305	2.278	8.8	19.8
9 18	0 0.04	+ 6 34.5	1.286	2.283	4.2	19.5
9 28	23 52.03	+ 5 21.8	1.292	2.289	3.2	19.5
10 8	23 44.84	+ 4 7.0	1.324	2.296	7.5	19.8
10 18	23 39.45	+ 2 58.8	1.379	2.303	12.0	20.0
10 28	23 36.57	+ 2 4.7	1.457	2.311	15.9	20.3

11179 1998 FB_{109} 9 21.9 263°.72 1°.7/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.57	+ 5 36.9	1.766	2.615	14.7	17.9
8 29	0 16.46	+ 5 33.4	1.684	2.606	11.3	17.7
9 8	0 9.23	+ 5 15.1	1.624	2.598	7.3	17.5
9 18	0 0.51	+ 4 44.2	1.590	2.589	3.1	17.2
9 28	23 51.27	+ 4 5.1	1.583	2.580	2.8	17.1
10 8	23 42.59	+ 3 24.0	1.603	2.571	7.0	17.4
10 18	23 35.46	+ 2 46.9	1.649	2.562	11.1	17.6
10 28	23 30.61	+ 2 19.1	1.718	2.553	14.7	17.8

365668 2010 VJ_{51} 9 21.9 183°.34 3°.2/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.17	− 9 34.4	2.333	3.208	10.7	20.8
8 29	0 14.83	−10 8.5	2.268	3.208	7.8	20.7
9 8	0 7.95	−10 44.0	2.227	3.208	5.0	20.5
9 18	0 0.08	−11 16.1	2.214	3.208	3.2	20.4
9 28	23 51.98	−11 40.3	2.230	3.207	4.7	20.5
10 8	23 44.41	−11 52.9	2.273	3.207	7.5	20.7
10 18	23 38.06	−11 51.9	2.343	3.207	10.4	20.8
10 28	23 33.45	−11 36.6	2.435	3.206	12.9	21.0

416831 2005 JH_{100} 9 21.9 200°.97 11°.6/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.66	−33 32.1	1.983	2.826	13.6	22.2
8 29	0 22.34	−35 7.8	1.943	2.821	12.2	22.1
9 8	0 12.65	−36 25.7	1.926	2.816	11.6	22.1
9 18	0 1.45	−37 16.8	1.932	2.810	12.0	22.1
9 28	23 49.96	−37 34.5	1.962	2.804	13.3	22.2
10 8	23 39.45	−37 17.5	2.014	2.796	15.0	22.3
10 18	23 30.92	−36 28.5	2.084	2.788	16.8	22.4
10 28	23 25.04	−35 12.5	2.171	2.778	18.4	22.6

35435 1998 BL_{13} 9 21.9 19°.02 5°.8/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.76	− 7 45.4	0.910	1.831	18.7	16.5
8 29	0 13.86	− 9 2.2	0.874	1.837	13.7	16.2
9 8	0 7.96	−10 25.5	0.856	1.846	8.6	16.0
9 18	0 0.14	−11 42.5	0.859	1.856	5.8	15.9
9 28	23 52.01	−12 39.9	0.884	1.867	8.5	16.1
10 8	23 45.20	−13 9.0	0.929	1.880	13.3	16.4
10 18	23 40.88	−13 7.1	0.994	1.894	17.9	16.7
10 28	23 39.71	−12 36.0	1.075	1.909	21.7	17.0

41337 1999 XN_{258} 9 21.9 264°.82 4°.5/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.58	−10 55.5	2.268	3.153	10.5	18.9
8 29	0 11.60	−12 28.4	2.202	3.146	7.8	18.8
9 8	0 6.10	−14 4.0	2.161	3.139	5.3	18.6
9 18	23 59.59	−15 35.2	2.149	3.132	4.6	18.5
9 28	23 52.76	−16 54.9	2.165	3.125	6.3	18.6
10 8	23 46.39	−17 57.4	2.208	3.118	9.0	18.8
10 18	23 41.15	−18 39.4	2.275	3.111	11.7	19.0
10 28	23 37.58	−18 59.9	2.364	3.104	14.1	19.1

273868 2007 GW_{72} 9 21.9 264°.89 3°.7/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.31	−10 34.0	2.255	3.133	10.9	20.4
8 29	0 14.30	−11 16.8	2.187	3.128	8.0	20.2
9 8	0 7.69	−12 0.5	2.144	3.123	5.2	20.1
9 18	0 0.04	−12 40.3	2.128	3.118	3.7	20.0
9 28	23 52.10	−13 10.7	2.140	3.113	5.3	20.1
10 8	23 44.69	−13 27.9	2.179	3.108	8.1	20.2
10 18	23 38.51	−13 29.7	2.244	3.103	11.0	20.4
10 28	23 34.10	−13 15.4	2.332	3.098	13.5	20.6

134919 2000 YM_{59} 9 21.9 291°.66 2°.9/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.59	+ 7 46.7	1.395	2.250	17.5	20.2
8 29	0 17.01	+ 7 48.5	1.317	2.241	13.7	19.9
9 8	0 9.82	+ 7 30.2	1.260	2.231	9.1	19.7
9 18	0 0.75	+ 6 53.3	1.225	2.222	4.4	19.4
9 28	23 50.98	+ 6 2.9	1.216	2.212	3.6	19.3
10 8	23 41.91	+ 5 7.1	1.232	2.203	8.1	19.5
10 18	23 34.75	+ 4 14.5	1.272	2.194	12.9	19.8
10 28	23 30.40	+ 3 33.0	1.333	2.185	17.2	20.0

141805 2002 NO_{36} 9 21.9 4°.59 0°.1/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.42	+ 4 52.0	0.937	1.842	19.9	18.6
8 29	0 9.23	+ 3 45.9	0.886	1.840	14.9	18.3
9 8	0 5.28	+ 2 11.9	0.852	1.840	9.0	18.0
9 18	23 59.42	+ 0 18.9	0.839	1.842	2.6	17.6
9 28	23 53.06	− 1 38.5	0.848	1.846	4.0	17.7
10 8	23 47.71	− 3 24.2	0.879	1.852	10.2	18.1
10 18	23 44.57	− 4 46.1	0.930	1.860	15.7	18.4
10 28	23 44.39	− 5 37.2	1.000	1.869	20.3	18.8

514870 2008 GX_{133} 9 21.9 210°.02 4°.1/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.94	−12 30.5	2.456	3.332	10.2	21.6
8 29	0 14.64	−13 19.2	2.389	3.327	7.6	21.4
9 8	0 7.85	−14 7.6	2.347	3.323	5.2	21.3
9 18	0 0.08	−14 50.8	2.333	3.318	4.1	21.2
9 28	23 52.05	−15 23.6	2.347	3.312	5.5	21.3
10 8	23 44.52	−15 42.3	2.389	3.307	8.1	21.5
10 18	23 38.14	−15 45.2	2.457	3.301	10.7	21.6
10 28	23 33.43	−15 31.9	2.547	3.294	13.0	21.8

284263 2006 HH_{7} 9 21.9 188°.38 2°.3/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.81	− 4 49.3	2.174	3.043	11.6	21.6
8 29	0 15.44	− 5 39.6	2.104	3.043	8.4	21.4
9 8	0 8.40	− 6 36.0	2.058	3.041	5.0	21.2
9 18	0 0.26	− 7 33.3	2.040	3.040	2.4	21.0
9 28	23 51.81	− 8 25.4	2.051	3.037	4.1	21.1
10 8	23 43.91	− 9 7.3	2.091	3.035	7.4	21.4
10 18	23 37.29	− 9 35.2	2.156	3.031	10.7	21.6
10 28	23 32.52	− 9 47.3	2.245	3.027	13.5	21.7

357721 2005 QU_{126} 9 21.9 302°.26 1°.7/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.78	+ 5 31.1	2.038	2.881	13.3	20.9
8 29	0 15.57	+ 5 33.6	1.961	2.879	10.1	20.7
9 8	0 8.55	+ 5 23.7	1.907	2.878	6.6	20.5
9 18	0 0.32	+ 5 3.4	1.879	2.877	2.9	20.3
9 28	23 51.71	+ 4 36.2	1.878	2.875	2.5	20.2
10 8	23 43.64	+ 4 6.8	1.906	2.874	6.1	20.5
10 18	23 36.92	+ 3 40.0	1.961	2.873	9.7	20.7
10 28	23 32.17	+ 3 20.2	2.040	2.871	12.9	20.9

443003 2013 CA_{194} 9 21.9 247°.87 1°.8/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.84	− 3 52.4	2.046	2.916	12.2	21.9
8 29	0 15.60	− 4 21.1	1.970	2.909	8.9	21.7
9 8	0 8.57	− 4 56.2	1.918	2.902	5.3	21.5
9 18	0 0.33	− 5 33.2	1.893	2.894	2.0	21.2
9 28	23 51.71	− 6 7.0	1.896	2.887	3.6	21.3
10 8	23 43.63	− 6 32.6	1.927	2.879	7.4	21.6
10 18	23 36.90	− 6 46.5	1.984	2.872	10.9	21.8
10 28	23 32.12	− 6 46.4	2.064	2.864	13.9	22.0

23624 1996 UX_{3} 9 21.9 293°.24 2°.3/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 10.42	+14 41.3	4.273	5.054	7.9	18.8
8 29	0 7.23	+14 18.3	4.171	5.042	6.4	18.7
9 8	0 3.25	+13 45.1	4.093	5.030	4.7	18.6
9 18	23 58.76	+13 2.5	4.042	5.017	3.1	18.4
9 28	23 54.09	+12 12.4	4.020	5.005	2.4	18.4
10 8	23 49.62	+11 17.5	4.029	4.993	3.4	18.4
10 18	23 45.70	+10 20.9	4.067	4.981	5.1	18.6
10 28	23 42.63	+ 9 25.7	4.132	4.968	6.8	18.7

21707 Johnmoore 9 21.9 232°.72 1°.1/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.85	+ 3 54.0	1.584	2.441	15.7	18.3
8 29	0 18.35	+ 3 46.8	1.507	2.435	11.9	18.0
9 8	0 10.48	+ 3 24.8	1.452	2.429	7.5	17.8
9 18	0 0.93	+ 2 50.9	1.422	2.423	2.7	17.5
9 28	23 50.83	+ 2 10.5	1.418	2.416	2.9	17.5
10 8	23 41.40	+ 1 30.3	1.442	2.409	7.7	17.8
10 18	23 33.75	+ 0 56.7	1.491	2.402	12.2	18.0
10 28	23 28.67	+ 0 35.0	1.561	2.395	16.1	18.2

164650 1995 WT_{36} 9 21.9 173°.35 0°.2/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.32	+ 3 29.1	2.304	3.150	11.8	21.1
8 29	0 14.27	+ 2 45.0	2.229	3.153	8.8	20.9
9 8	0 7.67	+ 1 49.3	2.178	3.155	5.4	20.7
9 18	0 0.06	+ 0 45.7	2.155	3.157	1.6	20.5
9 28	23 52.18	− 0 20.5	2.162	3.159	2.2	20.5
10 8	23 44.79	− 1 23.5	2.198	3.160	5.9	20.8
10 18	23 38.58	− 2 18.2	2.261	3.160	9.2	21.0
10 28	23 34.09	− 3 0.8	2.349	3.160	12.1	21.2

220356 2003 JJ_{15} 9 21.9 183°.15 1°.0/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 10.20	+ 7 23.8	4.627	5.447	6.8	20.5
8 29	0 6.97	+ 6 59.2	4.542	5.447	5.2	20.4
9 8	0 3.06	+ 6 27.8	4.483	5.447	3.4	20.3
9 18	23 58.71	+ 5 51.0	4.451	5.447	1.6	20.1
9 28	23 54.23	+ 5 10.8	4.451	5.447	1.3	20.1
10 8	23 49.96	+ 4 29.5	4.480	5.447	2.9	20.2
10 18	23 46.18	+ 3 49.5	4.539	5.446	4.7	20.4
10 28	23 43.18	+ 3 13.1	4.625	5.446	6.4	20.5

367696 2010 RT_{126} 9 21.9 338°.27 2°.4/20.3 17

8 19	0 12.61	− 1 12.8	0.928	1.844	19.0	20.5
8 29	0 11.15	− 2 1.6	0.863	1.825	14.1	20.2
9 8	0 6.68	− 3 10.4	0.815	1.807	8.4	19.8
9 18	23 59.93	− 4 30.5	0.788	1.791	2.8	19.4
9 28	23 52.34	− 5 48.9	0.782	1.777	5.7	19.6
10 8	23 45.61	− 6 52.0	0.796	1.764	12.0	19.9
10 18	23 41.22	− 7 29.8	0.829	1.754	17.7	20.1
10 28	23 40.18	− 7 37.3	0.879	1.745	22.6	20.4

514060 2014 OX_{375} 9 21.9 61°.53 3°.7/25.7 18

8 19	0 21.20	+11 30.9	2.093	2.908	14.0	21.1
8 29	0 15.78	+11 50.8	2.027	2.922	11.1	21.0
9 8	0 8.62	+11 54.9	1.983	2.935	7.8	20.8
9 18	0 0.35	+11 44.0	1.965	2.949	4.8	20.6
9 28	23 51.81	+11 20.6	1.975	2.964	3.8	20.6
10 8	23 43.88	+10 49.1	2.012	2.978	6.0	20.8
10 18	23 37.33	+10 14.9	2.077	2.992	9.1	21.0
10 28	23 32.72	+ 9 43.3	2.165	3.006	11.9	21.2

169959 2002 TG_{113} 9 21.9 304°.22 5°.4/27.0 18

8 19	0 18.36	+15 24.0	1.783	2.595	16.2	19.8
8 29	0 14.25	+15 37.9	1.693	2.580	13.3	19.6
9 8	0 8.02	+15 30.0	1.622	2.565	9.9	19.3
9 18	0 0.26	+14 59.6	1.574	2.551	6.8	19.1
9 28	23 51.87	+14 9.1	1.552	2.537	5.4	19.0
10 8	23 43.95	+13 4.4	1.556	2.522	7.4	19.1
10 18	23 37.50	+11 53.3	1.586	2.509	10.8	19.3
10 28	23 33.30	+10 44.5	1.639	2.495	14.3	19.5

287021 2002 QL_{87} 9 21.9 11°.91 0°.9/21.3 18

8 19	0 19.51	− 0 35.2	1.557	2.435	14.9	20.6
8 29	0 15.01	− 1 0.5	1.495	2.436	11.0	20.4
9 8	0 8.37	− 1 36.7	1.454	2.438	6.5	20.1
9 18	0 0.31	− 2 19.0	1.438	2.441	1.8	19.9
9 28	23 51.88	− 3 0.9	1.448	2.444	3.4	20.0
10 8	23 44.21	− 3 35.5	1.485	2.448	8.0	20.3
10 18	23 38.23	− 3 58.1	1.545	2.452	12.2	20.5
10 28	23 34.63	− 4 5.2	1.628	2.456	15.8	20.8

458459 2011 BS_{30} 9 21.9 305°.04 5°.9/27.7 17

8 19	0 21.38	+17 17.3	2.222	3.003	14.3	21.1
8 29	0 16.14	+18 2.6	2.129	2.992	11.9	20.9
9 8	0 9.01	+18 31.0	2.058	2.981	9.3	20.8
9 18	0 0.53	+18 40.7	2.011	2.971	7.0	20.6
9 28	23 51.49	+18 32.1	1.990	2.960	5.9	20.5
10 8	23 42.83	+18 8.3	1.997	2.950	7.1	20.6
10 18	23 35.42	+17 34.2	2.030	2.940	9.6	20.7
10 28	23 29.95	+16 56.0	2.088	2.930	12.3	20.9

374851 2006 VV_{2} 9 21.9 241°.68 2°.3/19.5 18 R

8 19	0 27.79	− 6 59.4	2.732	3.581	10.1	22.4
8 29	0 20.48	− 7 33.7	2.628	3.556	7.5	22.2
9 8	0 11.46	− 8 11.6	2.550	3.528	4.6	22.0
9 18	0 1.22	− 8 49.1	2.502	3.500	2.4	21.8
9 28	23 50.48	− 9 21.6	2.487	3.470	3.8	21.8
10 8	23 40.04	− 9 45.2	2.503	3.438	6.9	22.0
10 18	23 30.66	− 9 57.1	2.548	3.406	9.9	22.1
10 28	23 22.99	− 9 55.8	2.619	3.371	12.5	22.3

99820 2002 LG_{56} 9 21.9 71°.96 10°.1/11.4 18

8 19	0 20.85	−17 31.3	1.294	2.196	15.6	18.0
8 29	0 16.16	−20 41.6	1.279	2.222	12.3	17.9
9 8	0 9.03	−23 40.8	1.288	2.248	10.3	17.9
9 18	0 0.47	−26 12.4	1.322	2.274	10.6	18.0
9 28	23 51.79	−28 4.5	1.381	2.300	12.9	18.2
10 8	23 44.30	−29 12.6	1.462	2.326	15.7	18.4
10 18	23 38.94	−29 38.7	1.562	2.351	18.3	18.7
10 28	23 36.29	−29 28.6	1.678	2.376	20.4	18.9

355312 2007 RZ_{310} 9 21.9 0°.98 12°.5/13.7 17

8 19	0 18.24	−24 6.4	1.018	1.931	17.9	19.0
8 29	0 14.99	−25 15.3	0.982	1.927	14.9	18.8
9 8	0 8.68	−26 7.0	0.965	1.924	12.9	18.7
9 18	0 0.42	−26 28.8	0.966	1.924	12.7	18.7
9 28	23 51.85	−26 11.9	0.987	1.926	14.6	18.8
10 8	23 44.62	−25 14.9	1.028	1.931	17.5	19.0
10 18	23 39.91	−23 42.1	1.086	1.937	20.6	19.2
10 28	23 38.40	−21 41.2	1.160	1.946	23.3	19.5

228485 2001 SC_{128} 9 22.0 333°.49 0°.6/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 16.79	+ 3 47.0	1.265	2.147	17.3	20.2
8 29	0 13.59	+ 3 18.9	1.193	2.135	13.1	19.9
9 8	0 7.83	+ 2 31.2	1.141	2.124	8.1	19.6
9 18	0 0.23	+ 1 28.3	1.111	2.113	2.6	19.2
9 28	23 51.99	+ 0 18.6	1.105	2.103	3.3	19.3
10 8	23 44.47	− 0 47.9	1.124	2.094	8.8	19.6
10 18	23 38.87	− 1 42.1	1.165	2.087	13.9	19.8
10 28	23 36.07	− 2 17.4	1.226	2.080	18.3	20.1

477038 2009 AJ_{22} 9 22.0 267°.27 3°.0/24.9 18

8 19	0 20.20	+ 9 57.4	1.942	2.770	14.4	22.0
8 29	0 15.42	+ 9 54.0	1.848	2.754	11.3	21.7
9 8	0 8.65	+ 9 33.4	1.776	2.738	7.8	21.5
9 18	0 0.44	+ 8 56.5	1.729	2.721	4.3	21.2
9 28	23 51.66	+ 8 7.0	1.710	2.704	3.3	21.2
10 8	23 43.30	+ 7 10.7	1.718	2.687	6.5	21.3
10 18	23 36.30	+ 6 14.2	1.753	2.669	10.4	21.5
10 28	23 31.39	+ 5 24.3	1.811	2.651	13.9	21.7

240928 2006 FM_{15} 9 22.0 214°.15 0°.1/22.1 18

8 19	0 20.57	+ 2 13.2	1.829	2.689	13.8	21.4
8 29	0 15.60	+ 1 43.9	1.755	2.686	10.3	21.1
9 8	0 8.68	+ 1 2.0	1.704	2.684	6.3	20.9
9 18	0 0.43	+ 0 11.4	1.678	2.681	1.8	20.6
9 28	23 51.78	− 0 41.9	1.681	2.678	2.7	20.7
10 8	23 43.73	− 1 31.4	1.711	2.674	7.1	20.9
10 18	23 37.16	− 2 11.5	1.766	2.671	11.0	21.2
10 28	23 32.74	− 2 38.2	1.845	2.667	14.4	21.4

482678 2013 CV_{63} 9 22.0 270°.32 2°.7/24.8 18

8 19	0 18.48	+ 9 38.3	1.979	2.811	14.0	21.5
8 29	0 14.02	+ 9 25.5	1.895	2.803	11.0	21.3
9 8	0 7.73	+ 8 55.5	1.832	2.796	7.5	21.1
9 18	0 0.16	+ 8 10.3	1.796	2.789	3.9	20.9
9 28	23 52.16	+ 7 13.9	1.786	2.781	3.0	20.8
10 8	23 44.65	+ 6 12.6	1.804	2.774	6.2	21.0
10 18	23 38.47	+ 5 12.9	1.849	2.766	9.9	21.2
10 28	23 34.27	+ 4 21.1	1.918	2.759	13.2	21.4

136447 2005 EN_{124} 9 22.0 239°.12 1°.4/20.8 18

8 19	0 21.13	− 0 9.1	1.560	2.434	15.0	20.6
8 29	0 16.38	− 1 4.1	1.486	2.426	11.1	20.4
9 8	0 9.32	− 2 13.1	1.433	2.417	6.6	20.1
9 18	0 0.65	− 3 30.2	1.406	2.408	2.0	19.8
9 28	23 51.45	− 4 46.5	1.405	2.399	4.0	19.9
10 8	23 42.90	− 5 53.3	1.431	2.390	8.8	20.2
10 18	23 36.07	− 6 43.7	1.482	2.380	13.2	20.4
10 28	23 31.72	− 7 13.6	1.554	2.369	17.0	20.6

178811 2001 FJ_{82} 9 22.0 86°.05 3°.3/25.1 17

8 19	0 23.10	+11 35.1	1.551	2.383	17.3	20.1
8 29	0 17.50	+11 7.0	1.502	2.409	13.4	20.0
9 8	0 9.75	+10 16.2	1.473	2.435	9.1	19.8
9 18	0 0.71	+ 9 6.5	1.468	2.460	4.8	19.6
9 28	23 51.50	+ 7 44.7	1.490	2.485	3.6	19.6
10 8	23 43.28	+ 6 20.1	1.540	2.510	7.0	19.9
10 18	23 36.92	+ 5 1.4	1.615	2.534	10.9	20.1
10 28	23 33.01	+ 3 55.6	1.713	2.557	14.4	20.4

178421 1998 SQ_{10} 9 22.0 324°.55 7°.6/29.9 17

8 19	0 11.68	+24 56.4	1.019	1.837	25.2	18.9
8 29	0 10.42	+23 48.2	0.942	1.827	21.3	18.6
9 8	0 6.21	+21 41.2	0.879	1.818	16.6	18.3
9 18	23 59.83	+18 32.5	0.835	1.809	11.4	18.0
9 28	23 52.67	+14 31.7	0.813	1.801	7.8	17.8
10 8	23 46.43	+10 2.8	0.816	1.794	9.6	17.9
10 18	23 42.50	+ 5 36.6	0.843	1.788	14.8	18.1
10 28	23 41.84	+ 1 41.1	0.893	1.782	20.2	18.4

442390 2011 UJ_{30} 9 22.0 321°.05 4°.1/26.3 15

8 19	0 15.85	+13 46.1	1.762	2.586	15.8	21.1
8 29	0 12.33	+13 29.4	1.676	2.576	12.7	20.8
9 8	0 6.83	+12 49.6	1.611	2.566	9.1	20.6
9 18	23 59.93	+11 48.0	1.570	2.556	5.6	20.4
9 28	23 52.53	+10 29.1	1.555	2.546	4.2	20.3
10 8	23 45.65	+ 9 0.7	1.566	2.537	6.8	20.4
10 18	23 40.20	+ 7 31.6	1.603	2.529	10.5	20.6
10 28	23 36.91	+ 6 10.6	1.664	2.520	14.1	20.8

449769 2014 OD_{85} 9 22.0 56°.36 5°.2/16.4 18

8 19	0 18.96	−13 53.4	2.006	2.892	11.7	21.0
8 29	0 14.13	−14 56.0	1.961	2.903	8.7	20.9
9 8	0 7.62	−15 56.6	1.940	2.914	6.2	20.7
9 18	0 0.09	−16 48.7	1.945	2.925	5.3	20.7
9 28	23 52.39	−17 26.1	1.977	2.937	6.9	20.8
10 8	23 45.38	−17 45.2	2.035	2.948	9.5	21.0
10 18	23 39.77	−17 44.4	2.118	2.960	12.2	21.2
10 28	23 36.09	−17 24.4	2.221	2.972	14.5	21.4