415185 2012 GT_9 2 27.9 20°.27 1°.1/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 5.91	+ 9 3.8	1.531	2.348	16.6	21.0
2 1	11 2.17	+ 9 25.0	1.456	2.351	12.8	20.7
2 11	10 55.74	+ 9 58.9	1.404	2.355	8.3	20.5
2 21	10 47.31	+10 40.2	1.375	2.358	3.4	20.2
3 2	10 37.98	+11 22.0	1.374	2.363	2.3	20.1
3 12	10 29.08	+11 57.0	1.400	2.367	7.1	20.4
3 22	10 21.75	+12 20.0	1.451	2.373	11.7	20.7
4 1	10 16.87	+12 28.1	1.523	2.378	15.6	21.0

421929 2014 QL_{239} 2 27.9 173°.64 1°.6/26.6 18

1 22	11 7.52	+ 9 40.0	1.824	2.630	14.8	21.6
2 1	11 3.04	+10 23.3	1.743	2.632	11.4	21.4
2 11	10 56.14	+11 18.4	1.684	2.633	7.3	21.2
2 21	10 47.45	+12 19.6	1.652	2.634	3.1	20.9
3 2	10 37.92	+13 19.7	1.649	2.635	2.6	20.9
3 12	10 28.70	+14 11.4	1.674	2.636	6.8	21.1
3 22	10 20.84	+14 49.6	1.726	2.636	11.0	21.4
4 1	10 15.13	+15 11.6	1.801	2.635	14.5	21.6

246772 2009 CU_{50} 2 27.9 311°.75 3°.5/24.4 17

1 22	11 2.99	+16 6.1	2.104	2.923	12.6	20.7
2 1	10 59.37	+16 59.2	2.016	2.913	9.6	20.5
2 11	10 53.67	+17 58.3	1.953	2.904	6.4	20.3
2 21	10 46.40	+18 57.3	1.918	2.894	3.8	20.1
3 2	10 38.37	+19 49.4	1.910	2.884	4.4	20.1
3 12	10 30.55	+20 28.5	1.931	2.875	7.5	20.3
3 22	10 23.84	+20 51.1	1.978	2.866	10.9	20.4
4 1	10 18.95	+20 55.9	2.047	2.858	13.9	20.6

409829 2006 OX_{21} 2 27.9 155°.47 2°.5/25.3 18

1 22	11 8.57	+13 37.4	2.429	3.226	11.8	22.7
2 1	11 3.18	+14 32.0	2.352	3.237	9.0	22.5
2 11	10 55.89	+15 32.8	2.300	3.247	5.8	22.3
2 21	10 47.25	+16 34.3	2.278	3.256	3.0	22.2
3 2	10 38.03	+17 30.6	2.286	3.265	3.3	22.2
3 12	10 29.11	+18 16.4	2.325	3.272	6.2	22.4
3 22	10 21.27	+18 48.6	2.392	3.278	9.3	22.6
4 1	10 15.14	+19 5.8	2.484	3.284	12.0	22.8

350979 2003 FC_{46} 2 27.9 326°.96 3°.2/25.9 18

1 22	11 7.47	+12 59.7	1.320	2.153	17.9	20.9
2 1	11 3.96	+13 35.6	1.243	2.147	13.8	20.6
2 11	10 57.26	+14 23.1	1.186	2.141	9.0	20.3
2 21	10 48.07	+15 14.5	1.153	2.135	4.3	20.0
3 2	10 37.65	+16 0.1	1.146	2.130	4.4	20.0
3 12	10 27.63	+16 31.4	1.164	2.125	9.2	20.3
3 22	10 19.46	+16 43.0	1.206	2.121	14.2	20.5
4 1	10 14.21	+16 33.5	1.267	2.117	18.5	20.8

11596 Francetic 2 27.9 241°.74 4°.6/ 3.8 18

1 22	11 4.10	− 9 31.0	2.043	2.767	16.1	19.2
2 1	11 0.40	− 9 4.0	1.929	2.752	13.5	19.0
2 11	10 54.49	− 8 10.6	1.835	2.735	10.4	18.8
2 21	10 46.82	− 6 50.8	1.766	2.718	7.0	18.5
3 2	10 38.17	− 5 7.8	1.724	2.700	4.7	18.3
3 12	10 29.54	− 3 8.9	1.712	2.681	5.9	18.4
3 22	10 21.93	− 1 3.9	1.730	2.662	9.4	18.5
4 1	10 16.18	+ 0 57.2	1.773	2.642	13.1	18.7

49619 1999 FU_{46} 2 27.9 0°.91 4°.4/25.1 18

1 22	11 4.35	+17 36.9	1.393	2.235	16.6	17.8
2 1	11 1.27	+17 58.1	1.324	2.232	12.8	17.5
2 11	10 55.28	+18 23.1	1.276	2.231	8.5	17.3
2 21	10 47.15	+18 44.7	1.252	2.231	4.9	17.0
3 2	10 38.08	+18 55.2	1.254	2.232	5.4	17.1
3 12	10 29.53	+18 49.0	1.280	2.235	9.3	17.3
3 22	10 22.76	+18 24.0	1.330	2.240	13.5	17.6
4 1	10 18.62	+17 40.9	1.400	2.246	17.2	17.8

421122 2013 QS_{78} 2 27.9 116°.16 3°.4/24.1 18

1 22	11 5.33	+15 12.3	2.296	3.106	12.0	21.4
2 1	11 0.78	+16 30.3	2.232	3.124	9.1	21.2
2 11	10 54.36	+17 53.9	2.193	3.141	6.0	21.1
2 21	10 46.61	+19 16.3	2.183	3.158	3.6	20.9
3 2	10 38.32	+20 30.6	2.203	3.175	4.2	21.0
3 12	10 30.37	+21 31.0	2.253	3.191	7.0	21.2
3 22	10 23.54	+22 14.1	2.330	3.207	10.0	21.4
4 1	10 18.42	+22 38.9	2.431	3.222	12.5	21.6

402269 2005 QP_{172} 2 27.9 107°.03 0°.4/28.4 18

1 22	11 9.21	+ 5 10.6	2.213	2.990	13.5	21.8
2 1	11 3.66	+ 5 26.9	2.144	3.014	10.4	21.6
2 11	10 56.17	+ 5 54.3	2.099	3.038	6.9	21.4
2 21	10 47.35	+ 6 29.6	2.081	3.061	3.0	21.2
3 2	10 38.02	+ 7 8.1	2.094	3.084	1.1	21.1
3 12	10 29.12	+ 7 44.9	2.137	3.106	4.9	21.4
3 22	10 21.43	+ 8 16.1	2.209	3.127	8.4	21.7
4 1	10 15.56	+ 8 38.5	2.306	3.148	11.5	21.9

57570 2001 TO_{61} 2 28.0 152°.77 0°.7/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 2.23	+ 2 50.2	2.786	3.555	11.2	20.2
2 1	10 58.12	+ 3 19.1	2.697	3.562	8.7	20.0
2 11	10 52.51	+ 3 59.3	2.632	3.568	5.9	19.8
2 21	10 45.83	+ 4 48.1	2.596	3.574	2.7	19.6
3 2	10 38.66	+ 5 41.7	2.589	3.579	1.0	19.5
3 12	10 31.67	+ 6 35.7	2.614	3.584	4.0	19.7
3 22	10 25.49	+ 7 25.7	2.668	3.589	7.1	19.9
4 1	10 20.63	+ 8 8.4	2.748	3.593	9.7	20.1

243768 2000 RS_{63} 2 28.0 181°.20 2°.0/29.9 18

1 22	11 7.75	− 0 11.2	2.063	2.826	14.8	22.2
2 1	11 2.96	+ 0 5.9	1.970	2.828	11.8	21.9
2 11	10 55.99	+ 0 40.1	1.900	2.829	8.2	21.7
2 21	10 47.39	+ 1 29.2	1.856	2.829	4.3	21.5
3 2	10 37.98	+ 2 28.6	1.840	2.828	2.1	21.3
3 12	10 28.78	+ 3 32.1	1.855	2.827	5.2	21.5
3 22	10 20.74	+ 4 33.3	1.898	2.824	9.1	21.8
4 1	10 14.60	+ 5 26.8	1.967	2.821	12.6	22.0

376779 2000 LU_{25} 2 28.0 215°.16 10°.3/14.3 18

1 22	11 7.65	−34 45.6	3.218	3.693	14.4	22.0
2 1	11 2.58	−35 35.1	3.102	3.682	13.5	21.9
2 11	10 55.64	−36 2.6	3.000	3.669	12.5	21.8
2 21	10 47.24	−36 4.3	2.916	3.656	11.5	21.6
3 2	10 38.04	−35 37.6	2.853	3.641	10.7	21.6
3 12	10 28.85	−34 42.9	2.813	3.626	10.3	21.5
3 22	10 20.47	−33 23.3	2.798	3.610	10.4	21.5
4 1	10 13.59	−31 44.4	2.807	3.592	11.2	21.5

368219 2001 SM_{353} 2 28.0 208°.84 0°.9/28.9 15

1 22	11 10.82	+ 4 36.9	2.574	3.336	12.2	22.1
2 1	11 4.92	+ 4 33.8	2.467	3.328	9.6	21.9
2 11	10 57.10	+ 4 40.1	2.385	3.319	6.5	21.7
2 21	10 47.83	+ 4 54.0	2.332	3.310	3.1	21.4
3 2	10 37.83	+ 5 12.4	2.310	3.299	1.2	21.3
3 12	10 27.95	+ 5 31.9	2.320	3.288	4.6	21.5
3 22	10 19.01	+ 5 48.9	2.359	3.276	8.0	21.7
4 1	10 11.69	+ 6 0.7	2.426	3.263	11.1	21.9

489916 2008 QF_8 2 28.0 182°.49 0°.1/27.9 18

1 22	11 11.80	+ 6 35.2	1.879	2.665	15.2	22.6
2 1	11 6.29	+ 6 52.3	1.790	2.666	11.8	22.4
2 11	10 58.28	+ 7 22.0	1.724	2.667	7.8	22.2
2 21	10 48.40	+ 8 0.5	1.686	2.667	3.3	21.9
3 2	10 37.60	+ 8 42.3	1.676	2.666	1.4	21.7
3 12	10 27.10	+ 9 21.1	1.696	2.664	6.1	22.1
3 22	10 17.96	+ 9 52.0	1.744	2.661	10.4	22.3
4 1	10 11.05	+10 11.4	1.816	2.657	14.1	22.5

406475 2007 UP_{84} 2 28.0 147°.18 0°.2/28.1 18

1 22	11 7.93	+ 5 12.1	1.901	2.689	15.0	22.7
2 1	11 3.20	+ 5 41.1	1.820	2.698	11.6	22.5
2 11	10 56.17	+ 6 24.5	1.763	2.705	7.7	22.2
2 21	10 47.47	+ 7 17.8	1.732	2.713	3.3	22.0
3 2	10 38.02	+ 8 15.3	1.730	2.720	1.3	21.8
3 12	10 28.89	+ 9 10.0	1.757	2.726	5.8	22.2
3 22	10 21.08	+ 9 56.5	1.812	2.731	9.9	22.4
4 1	10 15.33	+10 30.6	1.891	2.737	13.4	22.6

88495 2001 QP_{137} 2 28.0 229°.33 0°.7/27.5 17

1 22	11 10.42	+ 9 23.4	2.235	3.021	13.1	20.5
2 1	11 4.95	+ 9 32.3	2.132	3.010	10.1	20.3
2 11	10 57.29	+ 9 49.3	2.053	2.997	6.6	20.0
2 21	10 47.97	+10 11.1	2.003	2.985	2.8	19.8
3 2	10 37.78	+10 33.3	1.982	2.971	1.6	19.7
3 12	10 27.75	+10 51.6	1.992	2.957	5.6	19.9
3 22	10 18.80	+11 2.3	2.031	2.942	9.5	20.1
4 1	10 11.72	+11 3.2	2.095	2.927	12.8	20.3

384221 2009 DN_9 2 28.0 5°.75 2°.3/26.8 18

1 22	11 8.53	+14 51.4	1.433	2.263	16.9	19.1
2 1	11 4.33	+14 32.5	1.363	2.264	13.0	18.8
2 11	10 57.21	+14 17.6	1.313	2.266	8.5	18.6
2 21	10 47.96	+14 1.9	1.288	2.271	3.8	18.3
3 2	10 37.84	+13 40.8	1.290	2.276	3.2	18.3
3 12	10 28.29	+13 10.6	1.318	2.284	7.7	18.5
3 22	10 20.57	+12 29.9	1.371	2.293	12.2	18.8
4 1	10 15.52	+11 39.0	1.445	2.303	16.2	19.1

203424 2001 XG_{239} 2 28.0 69°.43 2°.2/26.5 18

1 22	11 9.46	+10 40.1	1.376	2.198	17.9	19.8
2 1	11 5.03	+11 16.8	1.316	2.214	13.7	19.6
2 11	10 57.64	+12 5.8	1.277	2.229	8.8	19.4
2 21	10 48.13	+13 0.0	1.263	2.245	3.8	19.1
3 2	10 37.78	+13 50.4	1.275	2.261	3.3	19.1
3 12	10 28.09	+14 28.9	1.313	2.277	8.1	19.4
3 22	10 20.31	+14 50.9	1.377	2.293	12.7	19.7
4 1	10 15.26	+14 54.6	1.461	2.309	16.6	20.0

437692 2014 DR_{28} 2 28.0 339°.54 1°.4/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 3.20	+ 2 42.4	2.276	3.054	13.1	21.2
2 1	10 59.28	+ 2 43.6	2.183	3.052	10.4	21.0
2 11	10 53.49	+ 2 57.3	2.114	3.049	7.1	20.8
2 21	10 46.33	+ 3 21.2	2.070	3.047	3.5	20.5
3 2	10 38.51	+ 3 52.2	2.056	3.045	1.5	20.4
3 12	10 30.88	+ 4 25.6	2.071	3.043	4.7	20.6
3 22	10 24.23	+ 4 57.1	2.114	3.041	8.2	20.8
4 1	10 19.20	+ 5 22.9	2.182	3.040	11.4	21.0

384744 2011 OY_{23} 2 28.0 233°.81 4°.4/ 3.2 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.85	− 5 53.3	2.505	3.231	13.4	20.5
2 1	11 1.20	− 6 27.2	2.402	3.226	11.1	20.3
2 11	10 54.71	− 6 46.7	2.322	3.222	8.5	20.2
2 21	10 46.85	− 6 51.1	2.268	3.217	5.9	20.0
3 2	10 38.29	− 6 41.4	2.242	3.212	4.4	19.9
3 12	10 29.83	− 6 20.4	2.246	3.207	5.4	19.9
3 22	10 22.27	− 5 52.1	2.278	3.202	7.9	20.1
4 1	10 16.24	− 5 21.1	2.337	3.197	10.7	20.2

23891 1998 SC_{49} 2 28.0 85°.99 0°.1/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 3.64	+ 5 37.4	2.052	2.845	13.8	18.9
2 1	10 59.76	+ 6 8.2	1.970	2.851	10.7	18.7
2 11	10 53.86	+ 6 52.0	1.912	2.856	7.0	18.5
2 21	10 46.49	+ 7 44.9	1.880	2.861	3.0	18.3
3 2	10 38.46	+ 8 41.3	1.877	2.867	1.3	18.1
3 12	10 30.69	+ 9 34.9	1.903	2.872	5.4	18.4
3 22	10 24.06	+10 20.7	1.957	2.877	9.2	18.7
4 1	10 19.24	+10 54.9	2.035	2.883	12.5	18.9

291281 2006 BQ_{117} 2 28.0 139°.69 1°.2/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.44	+ 8 30.9	1.655	2.459	16.1	21.8
2 1	11 4.69	+ 9 5.9	1.579	2.467	12.4	21.6
2 11	10 57.31	+ 9 54.1	1.527	2.475	8.0	21.4
2 21	10 48.00	+10 49.8	1.499	2.482	3.3	21.1
3 2	10 37.82	+11 45.6	1.501	2.489	2.3	21.0
3 12	10 28.06	+12 34.0	1.530	2.495	7.0	21.3
3 22	10 19.86	+13 9.5	1.585	2.501	11.4	21.6
4 1	10 14.04	+13 29.1	1.664	2.506	15.1	21.8

311276 2005 ED_{253} 2 28.0 31°.03 5°.2/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 0.81	+12 56.2	1.206	2.055	18.2	19.4
2 1	10 58.83	+14 53.9	1.153	2.067	13.7	19.2
2 11	10 53.82	+17 6.6	1.122	2.080	8.9	18.9
2 21	10 46.59	+19 20.5	1.115	2.093	5.4	18.8
3 2	10 38.43	+21 20.2	1.134	2.108	6.8	18.9
3 12	10 30.87	+22 53.0	1.177	2.123	11.0	19.2
3 22	10 25.18	+23 52.8	1.243	2.139	15.3	19.5
4 1	10 22.23	+24 19.4	1.327	2.156	19.0	19.8

283634 2002 EM_{39} 2 28.0 305°.28 1°.1/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 0.44	+ 0 44.4	1.805	2.595	15.6	20.8
2 1	10 57.78	+ 1 28.8	1.705	2.581	12.4	20.6
2 11	10 52.87	+ 2 34.9	1.628	2.567	8.5	20.3
2 21	10 46.19	+ 3 59.2	1.575	2.553	4.1	20.0
3 2	10 38.56	+ 5 35.3	1.550	2.540	1.5	19.8
3 12	10 31.05	+ 7 14.0	1.554	2.527	5.8	20.0
3 22	10 24.67	+ 8 46.3	1.584	2.514	10.3	20.3
4 1	10 20.26	+10 4.9	1.639	2.501	14.3	20.5

165785 2001 RT_{5} 2 28.0 96°.96 0°.6/28.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.14	+ 4 26.6	2.393	3.172	12.5	20.4
2 1	10 59.79	+ 4 44.2	2.314	3.186	9.7	20.3
2 11	10 53.70	+ 5 13.1	2.260	3.199	6.4	20.1
2 21	10 46.38	+ 5 50.1	2.233	3.212	2.9	19.9
3 2	10 38.55	+ 6 31.3	2.236	3.226	1.1	19.7
3 12	10 31.00	+ 7 11.8	2.268	3.238	4.5	20.0
3 22	10 24.44	+ 7 47.7	2.329	3.251	7.9	20.3
4 1	10 19.46	+ 8 15.6	2.416	3.264	10.8	20.5

16370 1981 DA_{2} 2 28.0 114°.29 2°.0/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 3.93	+ 0 1.3	2.566	3.324	12.3	19.4
2 1	10 59.54	+ 0 2.9	2.480	3.334	9.8	19.2
2 11	10 53.51	+ 0 17.1	2.418	3.344	6.9	19.1
2 21	10 46.30	+ 0 42.2	2.383	3.353	3.8	18.9
3 2	10 38.58	+ 1 15.3	2.377	3.363	2.0	18.8
3 12	10 31.08	+ 1 52.4	2.401	3.372	4.3	18.9
3 22	10 24.49	+ 2 29.3	2.455	3.381	7.3	19.1
4 1	10 19.37	+ 3 2.3	2.534	3.390	10.1	19.3

246985 1999 TZ_{270} 2 28.0 202°.04 3°.8/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.78	− 5 43.5	2.257	2.989	14.5	21.6
2 1	11 2.14	− 5 42.3	2.153	2.984	12.0	21.4
2 11	10 55.46	− 5 22.4	2.071	2.978	9.0	21.2
2 21	10 47.22	− 4 44.3	2.015	2.972	5.8	20.9
3 2	10 38.17	− 3 50.6	1.987	2.965	3.9	20.8
3 12	10 29.23	− 2 46.3	1.990	2.957	5.4	20.9
3 22	10 21.30	− 1 37.7	2.021	2.948	8.6	21.1
4 1	10 15.09	− 0 31.1	2.078	2.938	11.8	21.2

500697 2012 VH_{109} 2 28.0 163°.17 0°.6/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 3.30	+ 8 27.6	2.966	3.750	10.2	22.7
2 1	10 58.87	+ 9 0.2	2.878	3.755	7.8	22.5
2 11	10 52.99	+ 9 40.3	2.816	3.760	5.0	22.3
2 21	10 46.08	+10 24.7	2.783	3.765	2.1	22.1
3 2	10 38.70	+11 9.5	2.781	3.769	1.4	22.1
3 12	10 31.50	+11 50.7	2.809	3.772	4.3	22.3
3 22	10 25.08	+12 25.1	2.868	3.775	7.2	22.5
4 1	10 19.94	+12 50.4	2.952	3.778	9.7	22.7

157823 1996 XJ_{18} 2 28.0 308°.11 3°.9/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 1.86	+13 45.7	1.788	2.615	14.2	20.2
2 1	10 58.93	+15 10.2	1.703	2.605	10.8	19.9
2 11	10 53.63	+16 46.3	1.642	2.595	7.1	19.7
2 21	10 46.52	+18 25.9	1.607	2.585	4.1	19.5
3 2	10 38.48	+19 59.1	1.600	2.575	5.0	19.5
3 12	10 30.63	+21 16.9	1.621	2.566	8.7	19.7
3 22	10 24.02	+22 13.2	1.667	2.557	12.5	19.9
4 1	10 19.50	+22 45.7	1.735	2.548	15.9	20.1

457070 2008 EG_{54} 2 28.0 33°.75 2°.8/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 2.63	+10 6.7	1.475	2.304	16.6	20.8
2 1	10 59.75	+11 21.3	1.408	2.310	12.6	20.6
2 11	10 54.23	+12 51.1	1.363	2.318	8.1	20.4
2 21	10 46.75	+14 27.4	1.343	2.325	3.7	20.1
3 2	10 38.40	+15 59.5	1.350	2.334	4.0	20.2
3 12	10 30.48	+17 17.2	1.384	2.342	8.4	20.4
3 22	10 24.13	+18 13.9	1.442	2.351	12.7	20.7
4 1	10 20.18	+18 46.7	1.522	2.361	16.5	21.0

125587 2001 XL_{29} 2 28.0 119°.04 1°.3/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.40	+ 1 23.9	1.692	2.476	16.7	19.5
2 1	11 3.02	+ 1 53.5	1.618	2.489	13.1	19.3
2 11	10 56.17	+ 2 42.4	1.564	2.502	8.9	19.1
2 21	10 47.52	+ 3 46.7	1.537	2.515	4.3	18.8
3 2	10 38.08	+ 4 59.9	1.537	2.526	1.6	18.7
3 12	10 29.05	+ 6 13.5	1.566	2.538	5.9	19.0
3 22	10 21.48	+ 7 20.1	1.622	2.549	10.3	19.2
4 1	10 16.15	+ 8 14.0	1.701	2.559	14.1	19.5

375340 2008 SZ_{20} 2 28.0 6°.24 2°.0/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 0.62	− 0 47.8	1.708	2.495	16.4	20.5
2 1	10 57.91	− 0 17.7	1.623	2.495	13.1	20.3
2 11	10 52.91	+ 0 34.3	1.560	2.496	9.1	20.1
2 21	10 46.19	+ 1 45.0	1.522	2.497	4.8	19.8
3 2	10 38.64	+ 3 8.4	1.510	2.498	2.1	19.6
3 12	10 31.35	+ 4 35.8	1.526	2.501	5.7	19.9
3 22	10 25.32	+ 5 58.6	1.569	2.503	10.0	20.1
4 1	10 21.34	+ 7 9.5	1.635	2.506	13.9	20.4

429067 2009 FA_{75} 2 28.0 290°.75 5°.1/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 0.00	−10 53.3	2.403	3.115	14.3	20.7
2 1	10 56.92	−10 50.7	2.288	3.098	12.1	20.5
2 11	10 52.05	−10 27.1	2.194	3.081	9.6	20.3
2 21	10 45.80	− 9 41.9	2.124	3.063	7.0	20.1
3 2	10 38.80	− 8 36.7	2.082	3.046	5.2	19.9
3 12	10 31.85	− 7 16.2	2.068	3.029	5.8	19.9
3 22	10 25.73	− 5 46.8	2.082	3.012	8.2	20.1
4 1	10 21.10	− 4 15.7	2.122	2.995	11.1	20.2

396734 2003 PK_{9} 2 28.0 143°.94 0°.4/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.49	+ 3 26.1	2.094	2.871	14.1	22.1
2 1	11 2.63	+ 4 6.4	2.014	2.884	11.0	21.9
2 11	10 55.71	+ 5 1.6	1.957	2.896	7.3	21.7
2 21	10 47.29	+ 6 7.6	1.928	2.908	3.2	21.5
3 2	10 38.21	+ 7 18.5	1.928	2.918	1.2	21.3
3 12	10 29.44	+ 8 27.5	1.959	2.928	5.3	21.6
3 22	10 21.86	+ 9 28.7	2.018	2.937	9.1	21.9
4 1	10 16.14	+10 17.9	2.103	2.945	12.4	22.1

437548 2013 YL_{128} 2 28.0 325°.31 2°.0/29.8 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 3.19	+ 1 25.8	2.079	2.857	14.2	20.8
2 1	10 59.53	+ 1 19.4	1.981	2.848	11.3	20.6
2 11	10 53.82	+ 1 27.0	1.906	2.839	7.9	20.3
2 21	10 46.56	+ 1 47.2	1.857	2.831	4.2	20.1
3 2	10 38.50	+ 2 16.7	1.835	2.823	2.1	19.9
3 12	10 30.59	+ 2 50.8	1.842	2.815	5.1	20.1
3 22	10 23.73	+ 3 24.6	1.876	2.807	8.9	20.3
4 1	10 18.63	+ 3 53.3	1.935	2.800	12.3	20.5

342959 2009 BM 2 28.0 20°.50 1°.5/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.03	+ 3 35.1	1.879	2.668	15.1	20.2
2 1	11 1.01	+ 3 24.9	1.798	2.673	11.9	20.0
2 11	10 54.78	+ 3 28.0	1.739	2.678	8.1	19.8
2 21	10 46.94	+ 3 42.2	1.706	2.684	4.0	19.6
3 2	10 38.36	+ 4 3.8	1.701	2.690	1.7	19.4
3 12	10 30.10	+ 4 28.0	1.724	2.697	5.4	19.7
3 22	10 23.10	+ 4 49.9	1.774	2.704	9.4	19.9
4 1	10 18.09	+ 5 5.7	1.848	2.712	12.9	20.2

465690 2009 SX_{269} 2 28.0 117°.71 4°.2/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 10.73	+19 19.1	2.068	2.878	13.1	22.1
2 1	11 5.15	+20 0.1	2.000	2.890	10.1	22.0
2 11	10 57.33	+20 42.6	1.958	2.902	6.9	21.8
2 21	10 47.95	+21 20.3	1.942	2.914	4.4	21.7
3 2	10 37.96	+21 46.9	1.956	2.925	5.0	21.7
3 12	10 28.45	+21 58.1	1.999	2.936	7.8	21.9
3 22	10 20.33	+21 52.4	2.068	2.947	10.9	22.1
4 1	10 14.29	+21 30.4	2.161	2.957	13.7	22.3

36087 1999 RF_{88} 2 28.0 261°.03 0°.6/27.5 18

1 22	11 6.10	+ 8 24.0	2.046	2.844	13.7	19.2
2 1	11 1.82	+ 8 43.5	1.950	2.834	10.6	19.0
2 11	10 55.35	+ 9 13.6	1.878	2.824	6.9	18.7
2 21	10 47.22	+ 9 50.4	1.832	2.814	2.9	18.5
3 2	10 38.24	+10 28.8	1.815	2.804	1.7	18.3
3 12	10 29.43	+11 3.3	1.827	2.793	5.9	18.6
3 22	10 21.75	+11 29.3	1.866	2.783	9.8	18.8
4 1	10 15.96	+11 43.9	1.929	2.772	13.3	19.0

361623 2007 TD_{114} 2 28.0 165°.13 1°.6/26.7 18

1 22	11 10.53	+10 47.9	1.924	2.723	14.4	21.7
2 1	11 5.23	+11 17.4	1.842	2.728	11.1	21.5
2 11	10 57.54	+11 56.2	1.784	2.732	7.2	21.3
2 21	10 48.12	+12 39.0	1.754	2.736	3.1	21.0
3 2	10 37.89	+13 19.8	1.752	2.739	2.5	21.0
3 12	10 28.02	+13 52.5	1.780	2.741	6.6	21.2
3 22	10 19.51	+14 13.2	1.836	2.743	10.5	21.5
4 1	10 13.14	+14 20.0	1.915	2.744	14.0	21.7

31765 1999 JG_{114} 2 28.0 80°.55 5°.7/ 4.7 18

1 22	11 4.66	−10 6.4	1.899	2.625	17.1	18.4
2 1	11 0.69	−10 16.2	1.824	2.643	14.3	18.2
2 11	10 54.54	−10 1.8	1.768	2.661	11.1	18.1
2 21	10 46.83	− 9 23.2	1.736	2.679	7.9	17.9
3 2	10 38.44	− 8 23.2	1.730	2.696	5.8	17.8
3 12	10 30.42	− 7 8.2	1.752	2.714	6.5	17.9
3 22	10 23.66	− 5 46.1	1.800	2.731	9.2	18.1
4 1	10 18.87	− 4 24.9	1.874	2.749	12.2	18.3

492456 2014 MJ_{61} 2 28.0 239°.48 2°.2/26.1 17

1 22	11 7.24	+10 10.1	1.728	2.539	15.3	22.3
2 1	11 3.19	+11 6.2	1.635	2.527	11.8	22.0
2 11	10 56.53	+12 16.3	1.565	2.515	7.7	21.7
2 21	10 47.81	+13 34.1	1.520	2.502	3.4	21.4
3 2	10 37.99	+14 51.0	1.505	2.489	3.3	21.4
3 12	10 28.32	+15 57.9	1.517	2.476	7.7	21.6
3 22	10 19.99	+16 48.4	1.555	2.461	12.2	21.8
4 1	10 13.95	+17 19.0	1.616	2.447	16.0	22.1

33647 1999 JE_{83} 2 28.0 291°.85 4°.0/ 2.9 18

1 22	11 1.01	− 6 24.8	1.843	2.598	16.6	19.1
2 1	10 58.21	− 6 4.4	1.741	2.586	13.7	18.9
2 11	10 53.17	− 5 18.7	1.658	2.573	10.2	18.6
2 21	10 46.36	− 4 8.4	1.599	2.561	6.5	18.4
3 2	10 38.61	− 2 37.6	1.568	2.549	4.0	18.2
3 12	10 30.95	− 0 54.0	1.564	2.536	5.9	18.3
3 22	10 24.41	+ 0 52.9	1.588	2.524	9.7	18.5
4 1	10 19.82	+ 2 33.6	1.636	2.512	13.6	18.7

242383 2004 EX_{1} 2 28.0 21°.56 1°.2/26.9 17

1 22	11 4.22	+ 9 50.6	2.017	2.824	13.6	20.5
2 1	11 0.27	+10 14.6	1.937	2.826	10.4	20.3
2 11	10 54.25	+10 47.8	1.880	2.830	6.7	20.0
2 21	10 46.71	+11 26.1	1.850	2.833	2.8	19.8
3 2	10 38.50	+12 3.8	1.849	2.837	2.1	19.7
3 12	10 30.58	+12 35.7	1.876	2.841	5.9	20.0
3 22	10 23.84	+12 57.6	1.930	2.845	9.7	20.2
4 1	10 18.97	+13 7.4	2.008	2.849	12.9	20.4

213418 2001 XS_{32} 2 28.0 353°.81 7°.0/ 6.4 18

1 22	10 59.48	−13 40.6	1.999	2.709	16.8	19.9
2 1	10 56.83	−14 3.0	1.905	2.706	14.5	19.7
2 11	10 52.13	−14 0.6	1.829	2.703	11.8	19.5
2 21	10 45.88	−13 31.8	1.775	2.700	9.1	19.3
3 2	10 38.84	−12 37.6	1.746	2.699	7.3	19.2
3 12	10 31.96	−11 22.8	1.744	2.697	7.4	19.2
3 22	10 26.15	− 9 54.6	1.768	2.697	9.5	19.3
4 1	10 22.13	− 8 21.9	1.817	2.697	12.3	19.5

15595 2000 GX_{95} 2 28.0 206°.01 5°.5/23.3 18

1 22	11 11.94	+22 41.0	2.026	2.839	13.3	18.8
2 1	11 6.35	+23 28.8	1.947	2.836	10.4	18.6
2 11	10 58.30	+24 16.3	1.893	2.832	7.5	18.4
2 21	10 48.45	+24 56.1	1.865	2.828	5.6	18.3
3 2	10 37.78	+25 21.2	1.866	2.824	6.4	18.3
3 12	10 27.49	+25 26.9	1.896	2.819	9.1	18.4
3 22	10 18.64	+25 11.9	1.950	2.814	12.2	18.6
4 1	10 12.00	+24 37.6	2.028	2.809	15.0	18.8

54610 2000 RG_{52} 2 28.0 71°.19 5°.2/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 6.12	− 7 33.8	1.847	2.586	17.1	18.3
2 1	11 1.80	− 7 51.5	1.776	2.607	14.1	18.1
2 11	10 55.26	− 7 46.8	1.726	2.629	10.7	18.0
2 21	10 47.13	− 7 20.1	1.700	2.651	7.3	17.8
3 2	10 38.35	− 6 34.2	1.701	2.673	5.2	17.7
3 12	10 29.99	− 5 35.1	1.729	2.694	6.3	17.8
3 22	10 22.97	− 4 30.1	1.784	2.715	9.2	18.0
4 1	10 17.98	− 3 26.5	1.864	2.737	12.4	18.3

449118 2012 XJ_{141} 2 28.0 95°.43 3°.9/ 1.9 18

1 22	11 8.32	− 3 0.2	1.417	2.196	19.7	21.9
2 1	11 4.21	− 3 5.4	1.346	2.208	15.9	21.6
2 11	10 57.22	− 2 45.9	1.293	2.220	11.5	21.4
2 21	10 48.07	− 2 3.1	1.263	2.232	6.8	21.2
3 2	10 37.95	− 1 1.9	1.260	2.244	3.9	21.0
3 12	10 28.30	+ 0 8.9	1.282	2.255	6.8	21.2
3 22	10 20.39	+ 1 20.0	1.331	2.267	11.3	21.5
4 1	10 15.12	+ 2 22.8	1.401	2.278	15.4	21.8

120350 Richburns 2 28.0 274°.05 3°.5/24.9 18

1 22	11 5.05	+13 10.1	1.697	2.520	15.0	20.1
2 1	11 1.55	+14 16.3	1.609	2.508	11.5	19.8
2 11	10 55.46	+15 34.3	1.544	2.497	7.5	19.6
2 21	10 47.36	+16 56.4	1.505	2.485	4.0	19.3
3 2	10 38.22	+18 13.4	1.494	2.473	4.6	19.3
3 12	10 29.27	+19 16.2	1.510	2.461	8.6	19.5
3 22	10 21.67	+19 59.1	1.552	2.450	12.7	19.8
4 1	10 16.36	+20 19.7	1.614	2.438	16.4	20.0

135262 2001 SJ_{64} 2 28.0 151°.35 1°.8/ 1.3 18

1 22	11 1.47	− 1 15.6	2.593	3.349	12.3	20.2
2 1	10 57.74	− 0 47.9	2.500	3.353	9.8	20.1
2 11	10 52.40	− 0 5.3	2.432	3.357	6.8	19.9
2 21	10 45.90	+ 0 49.7	2.390	3.361	3.7	19.7
3 2	10 38.87	+ 1 53.5	2.378	3.365	1.8	19.5
3 12	10 32.02	+ 3 0.9	2.396	3.368	4.2	19.7
3 22	10 26.00	+ 4 6.6	2.444	3.371	7.3	19.9
4 1	10 21.37	+ 5 6.1	2.518	3.374	10.1	20.1

261541 2005 WL_{123} 2 28.0 197°.54 0°.2/28.2 17

1 22	11 5.26	+ 5 25.1	1.919	2.713	14.6	21.7
2 1	11 1.24	+ 5 50.6	1.832	2.712	11.4	21.5
2 11	10 54.99	+ 6 30.0	1.768	2.712	7.5	21.2
2 21	10 47.08	+ 7 19.6	1.729	2.711	3.2	21.0
3 2	10 38.36	+ 8 13.8	1.720	2.710	1.3	20.8
3 12	10 29.89	+ 9 5.9	1.739	2.708	5.7	21.1
3 22	10 22.63	+ 9 50.3	1.785	2.707	9.8	21.4
4 1	10 17.34	+10 22.9	1.855	2.706	13.4	21.6

140265 2001 SL_{270} 2 28.0 177°.44 4°.0/22.9 17

1 22	11 7.12	+19 16.8	2.682	3.486	10.6	21.0
2 1	11 2.09	+20 34.3	2.602	3.489	8.2	20.9
2 11	10 55.26	+21 54.9	2.550	3.492	5.7	20.7
2 21	10 47.12	+23 12.1	2.527	3.493	4.1	20.6
3 2	10 38.37	+24 19.8	2.535	3.493	4.9	20.7
3 12	10 29.82	+25 12.8	2.573	3.493	7.2	20.8
3 22	10 22.22	+25 48.6	2.639	3.492	9.7	21.0
4 1	10 16.19	+26 6.5	2.729	3.490	12.0	21.1

133302 2003 SM_{45} 2 28.0 137°.51 0°.8/27.3 18

1 22	11 8.37	+ 7 33.2	1.964	2.758	14.4	20.7
2 1	11 3.45	+ 8 15.0	1.889	2.770	11.0	20.5
2 11	10 56.32	+ 9 9.0	1.837	2.782	7.1	20.3
2 21	10 47.60	+10 10.2	1.812	2.794	2.9	20.0
3 2	10 38.18	+11 11.9	1.816	2.804	1.9	20.0
3 12	10 29.13	+12 7.6	1.850	2.815	6.0	20.3
3 22	10 21.37	+12 52.2	1.912	2.824	9.9	20.5
4 1	10 15.63	+13 22.5	1.998	2.833	13.3	20.7

204782 2006 KU_{75} 2 28.0 191°.63 2°.7/ 1.9 18

1 22	11 3.74	− 2 35.9	2.505	3.253	12.9	21.1
2 1	10 59.57	− 2 32.2	2.407	3.252	10.4	20.9
2 11	10 53.67	− 2 13.6	2.332	3.250	7.5	20.7
2 21	10 46.48	− 1 41.4	2.283	3.248	4.5	20.5
3 2	10 38.67	− 0 58.3	2.263	3.246	2.7	20.4
3 12	10 31.00	− 0 8.7	2.274	3.244	4.5	20.5
3 22	10 24.22	+ 0 42.5	2.313	3.241	7.6	20.7
4 1	10 18.92	+ 1 30.5	2.378	3.238	10.5	20.9

167054 2003 QM_{77} 2 28.0 182°.44 2°.2/ 1.1 18

1 22	11 6.42	− 0 59.2	1.967	2.732	15.3	21.0
2 1	11 2.10	− 0 39.9	1.875	2.733	12.3	20.8
2 11	10 55.56	− 0 1.9	1.805	2.733	8.6	20.6
2 21	10 47.35	+ 0 52.6	1.761	2.733	4.7	20.3
3 2	10 38.30	+ 1 58.9	1.745	2.732	2.3	20.1
3 12	10 29.46	+ 3 10.0	1.759	2.731	5.4	20.3
3 22	10 21.80	+ 4 19.1	1.800	2.729	9.3	20.6
4 1	10 16.09	+ 5 19.9	1.867	2.726	13.0	20.8

459626 2013 JP_2 2 28.1 293°.19 2°.4/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 5.26	+10 36.9	1.544	2.367	16.3	21.6
2 1	11 1.98	+11 23.3	1.454	2.352	12.6	21.3
2 11	10 55.91	+12 24.0	1.385	2.338	8.2	21.0
2 21	10 47.63	+13 32.3	1.341	2.323	3.6	20.7
3 2	10 38.17	+14 39.6	1.324	2.309	3.5	20.7
3 12	10 28.87	+15 36.6	1.334	2.295	8.2	20.9
3 22	10 21.03	+16 16.5	1.368	2.281	12.9	21.1
4 1	10 15.67	+16 35.9	1.424	2.268	17.1	21.4

462870 2010 VT_{91} 2 28.1 58°.25 1°.9/26.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.38	+10 25.3	1.564	2.381	16.3	21.1
2 1	11 3.10	+11 3.2	1.505	2.401	12.4	20.9
2 11	10 56.25	+11 52.3	1.468	2.420	8.0	20.7
2 21	10 47.60	+12 45.9	1.457	2.439	3.4	20.5
3 2	10 38.26	+13 36.4	1.473	2.459	2.9	20.5
3 12	10 29.50	+14 16.5	1.516	2.479	7.2	20.8
3 22	10 22.38	+14 41.9	1.585	2.499	11.4	21.1
4 1	10 17.65	+14 50.6	1.676	2.519	15.0	21.4

244685 2003 OY_{23} 2 28.1 183°.11 1°.9/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.49	− 0 9.4	1.945	2.714	15.3	21.2
2 1	11 2.19	+ 0 15.7	1.853	2.715	12.2	20.9
2 11	10 55.64	+ 0 59.4	1.784	2.715	8.5	20.7
2 21	10 47.39	+ 1 59.1	1.740	2.715	4.4	20.5
3 2	10 38.30	+ 3 9.7	1.726	2.714	1.9	20.3
3 12	10 29.43	+ 4 23.9	1.740	2.712	5.4	20.5
3 22	10 21.74	+ 5 34.6	1.783	2.710	9.5	20.7
4 1	10 16.03	+ 6 35.7	1.850	2.707	13.2	21.0

210459 1993 TC_{26} 2 28.1 65°.97 2°.8/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.30	+11 24.3	1.363	2.187	17.9	20.3
2 1	11 4.89	+12 16.6	1.310	2.210	13.6	20.1
2 11	10 57.55	+13 20.9	1.279	2.232	8.7	19.9
2 21	10 48.17	+14 28.3	1.272	2.254	3.9	19.7
3 2	10 38.04	+15 29.3	1.292	2.277	3.9	19.7
3 12	10 28.65	+16 15.4	1.339	2.299	8.4	20.0
3 22	10 21.20	+16 42.3	1.410	2.321	12.8	20.3
4 1	10 16.45	+16 48.7	1.502	2.344	16.5	20.6

522573 2016 EZ_{244} 2 28.1 139°.01 2°.0/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.19	+10 12.2	2.009	2.816	13.6	21.1
2 1	11 0.32	+11 10.3	1.929	2.820	10.3	20.9
2 11	10 54.34	+12 19.5	1.874	2.824	6.6	20.7
2 21	10 46.81	+13 33.8	1.845	2.827	2.9	20.5
3 2	10 38.57	+14 46.0	1.846	2.830	2.9	20.5
3 12	10 30.60	+15 48.9	1.876	2.834	6.6	20.7
3 22	10 23.81	+16 37.7	1.932	2.837	10.3	21.0
4 1	10 18.88	+17 9.4	2.013	2.839	13.5	21.2

317604 2002 XZ_{113} 2 28.1 161°.23 3°.2/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.15	− 2 51.9	2.237	2.981	14.3	20.7
2 1	11 3.11	− 3 1.4	2.146	2.987	11.6	20.5
2 11	10 56.06	− 2 55.1	2.077	2.993	8.4	20.4
2 21	10 47.52	− 2 33.7	2.034	2.998	5.2	20.2
3 2	10 38.28	− 1 59.9	2.021	3.002	3.2	20.0
3 12	10 29.25	− 1 18.1	2.037	3.006	5.1	20.2
3 22	10 21.31	− 0 33.7	2.082	3.009	8.4	20.4
4 1	10 15.14	+ 0 8.3	2.153	3.012	11.5	20.6

205808 2002 CJ_{170} 2 28.1 311°.87 3°.1/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.38	+13 15.2	1.345	2.177	17.6	19.4
2 1	11 4.12	+13 39.9	1.254	2.157	13.7	19.0
2 11	10 57.62	+14 15.4	1.184	2.138	9.1	18.7
2 21	10 48.46	+14 55.1	1.137	2.119	4.3	18.4
3 2	10 37.82	+15 30.0	1.116	2.100	4.2	18.3
3 12	10 27.35	+15 51.6	1.120	2.082	9.3	18.6
3 22	10 18.59	+15 54.5	1.147	2.065	14.5	18.8
4 1	10 12.76	+15 37.1	1.194	2.048	19.1	19.0

260081 2004 JW_{30} 2 28.1 238°.28 7°.8/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.22	+28 57.4	2.135	2.951	12.6	20.8
2 1	11 4.46	+30 29.7	2.057	2.938	10.3	20.7
2 11	10 57.22	+31 59.2	2.005	2.926	8.4	20.5
2 21	10 48.09	+33 16.5	1.979	2.912	7.8	20.5
3 2	10 38.02	+34 13.2	1.981	2.899	9.0	20.5
3 12	10 28.19	+34 43.6	2.010	2.884	11.2	20.6
3 22	10 19.68	+34 46.4	2.061	2.870	13.8	20.7
4 1	10 13.36	+34 23.5	2.133	2.855	16.1	20.9

428181 2006 TW_{114} 2 28.1 285°.17 1°.2/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 0.18	+ 0 5.4	2.342	3.114	13.0	21.5
2 1	10 57.10	+ 0 53.6	2.231	3.096	10.3	21.3
2 11	10 52.22	+ 1 59.8	2.143	3.077	7.1	21.0
2 21	10 45.94	+ 3 21.0	2.083	3.059	3.5	20.8
3 2	10 38.92	+ 4 52.2	2.052	3.041	1.3	20.6
3 12	10 31.95	+ 6 26.5	2.051	3.023	4.7	20.8
3 22	10 25.81	+ 7 56.9	2.079	3.004	8.5	21.0
4 1	10 21.19	+ 9 17.3	2.132	2.986	11.8	21.1

204906 2007 VM_{270} 2 28.1 72°.24 2°.4/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 4.38	− 0 22.2	2.276	3.038	13.6	20.4
2 1	11 0.19	− 0 29.4	2.187	3.042	10.9	20.2
2 11	10 54.13	− 0 22.7	2.121	3.046	7.7	20.0
2 21	10 46.70	− 0 3.2	2.080	3.050	4.4	19.8
3 2	10 38.63	+ 0 26.0	2.069	3.054	2.4	19.7
3 12	10 30.79	+ 1 0.6	2.087	3.059	4.7	19.8
3 22	10 23.94	+ 1 36.1	2.133	3.063	8.1	20.0
4 1	10 18.75	+ 2 8.1	2.205	3.067	11.2	20.2

462954 2011 CC_{64} 2 28.1 232°.54 0°.8/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.18	+ 7 27.1	2.140	2.936	13.3	21.6
2 1	11 0.27	+ 8 10.5	2.045	2.929	10.2	21.3
2 11	10 54.33	+ 9 6.4	1.974	2.921	6.6	21.1
2 21	10 46.84	+10 10.3	1.931	2.913	2.7	20.8
3 2	10 38.57	+11 16.3	1.916	2.905	1.8	20.7
3 12	10 30.46	+12 17.8	1.931	2.896	5.8	21.0
3 22	10 23.39	+13 9.3	1.974	2.887	9.6	21.2
4 1	10 18.08	+13 47.1	2.041	2.878	12.9	21.4

115933 2003 WP_{23} 2 28.1 109°.91 1°.0/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.14	+ 8 25.9	2.198	2.996	12.9	21.0
2 1	11 0.05	+ 9 4.7	2.119	3.004	9.9	20.8
2 11	10 54.04	+ 9 53.8	2.064	3.011	6.4	20.6
2 21	10 46.66	+10 48.7	2.037	3.019	2.6	20.3
3 2	10 38.68	+11 43.9	2.039	3.027	1.8	20.3
3 12	10 30.97	+12 33.5	2.070	3.034	5.5	20.5
3 22	10 24.34	+13 13.2	2.129	3.041	9.0	20.8
4 1	10 19.42	+13 40.2	2.213	3.048	12.1	21.0

110592 2001 TU_{125} 2 28.1 160°.28 1°.8/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.86	+ 1 48.4	2.095	2.865	14.4	20.1
2 1	11 3.02	+ 1 47.5	2.007	2.869	11.4	19.9
2 11	10 56.07	+ 2 0.6	1.941	2.873	7.9	19.7
2 21	10 47.55	+ 2 25.6	1.902	2.877	4.1	19.5
3 2	10 38.30	+ 2 59.0	1.892	2.880	1.9	19.3
3 12	10 29.30	+ 3 35.6	1.911	2.883	5.1	19.5
3 22	10 21.45	+ 4 10.6	1.959	2.885	8.9	19.8
4 1	10 15.47	+ 4 39.7	2.031	2.887	12.2	20.0

467634 2008 RD_{30} 2 28.1 202°.91 0°.1/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.38	+ 5 55.8	2.520	3.299	12.0	22.4
2 1	11 0.84	+ 6 21.8	2.422	3.295	9.3	22.2
2 11	10 54.51	+ 6 58.4	2.349	3.290	6.1	22.0
2 21	10 46.87	+ 7 42.4	2.304	3.284	2.6	21.8
3 2	10 38.58	+ 8 29.7	2.289	3.278	1.1	21.6
3 12	10 30.44	+ 9 15.2	2.304	3.272	4.7	21.9
3 22	10 23.19	+ 9 54.9	2.349	3.265	8.1	22.1
4 1	10 17.47	+10 25.4	2.419	3.257	11.1	22.3

339535 2005 JA_{15} 2 28.1 258°.21 3°.6/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.77	+17 55.5	2.286	3.098	12.0	21.2
2 1	11 2.15	+18 34.4	2.197	3.089	9.2	21.0
2 11	10 55.48	+19 16.7	2.133	3.080	6.2	20.8
2 21	10 47.31	+19 56.6	2.096	3.070	3.8	20.6
3 2	10 38.40	+20 28.5	2.089	3.061	4.4	20.6
3 12	10 29.72	+20 47.7	2.111	3.052	7.2	20.8
3 22	10 22.12	+20 51.6	2.159	3.042	10.3	20.9
4 1	10 16.32	+20 39.8	2.231	3.032	13.2	21.1

210463 1994 SC_{10} 2 28.1 309°.37 3°.0/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.65	+16 32.2	2.308	3.119	11.9	20.5
2 1	11 1.22	+17 3.3	2.223	3.114	9.1	20.3
2 11	10 54.82	+17 38.0	2.162	3.110	6.0	20.1
2 21	10 47.01	+18 11.5	2.129	3.105	3.4	19.9
3 2	10 38.53	+18 38.4	2.125	3.101	3.8	19.9
3 12	10 30.31	+18 54.5	2.150	3.097	6.7	20.1
3 22	10 23.16	+18 57.2	2.202	3.093	9.8	20.3
4 1	10 17.74	+18 45.9	2.278	3.089	12.6	20.5

363805 2005 LD_{18} 2 28.1 164°.00 0°.7/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.42	+ 2 57.8	2.548	3.314	12.2	22.1
2 1	11 1.53	+ 3 30.5	2.458	3.321	9.5	21.9
2 11	10 54.90	+ 4 15.8	2.393	3.328	6.4	21.7
2 21	10 47.01	+ 5 10.4	2.356	3.334	2.9	21.5
3 2	10 38.54	+ 6 10.1	2.349	3.339	1.0	21.3
3 12	10 30.28	+ 7 9.6	2.374	3.343	4.5	21.6
3 22	10 22.95	+ 8 4.1	2.428	3.347	7.8	21.8
4 1	10 17.15	+ 8 49.9	2.509	3.349	10.7	22.0

246152 2007 PX_{25} 2 28.1 234°.95 2°.5/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.37	+10 58.2	1.791	2.601	14.9	21.6
2 1	11 3.24	+11 59.1	1.698	2.590	11.4	21.3
2 11	10 56.56	+13 13.3	1.628	2.578	7.4	21.1
2 21	10 47.88	+14 33.9	1.584	2.565	3.4	20.8
3 2	10 38.14	+15 52.5	1.569	2.552	3.6	20.8
3 12	10 28.54	+17 0.2	1.583	2.539	7.8	21.0
3 22	10 20.23	+17 50.9	1.622	2.524	12.0	21.2
4 1	10 14.15	+18 21.3	1.685	2.509	15.8	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
203297 2001 SY_{141}			2 28.1 156°.34	0°.2/27.9 17		
	h m	° ′			°	m
1 22	11 6.29	+ 7 58.6	2.498	3.282	11.9	20.6
2 1	11 1.47	+ 8 7.8	2.409	3.286	9.2	20.4
2 11	10 54.87	+ 8 25.1	2.346	3.289	6.0	20.2
2 21	10 47.01	+ 8 47.5	2.310	3.292	2.5	20.0
3 2	10 38.56	+ 9 11.4	2.305	3.294	1.2	19.9
3 12	10 30.35	+ 9 32.8	2.330	3.297	4.7	20.1
3 22	10 23.11	+ 9 48.6	2.383	3.299	8.0	20.3
4 1	10 17.43	+ 9 56.6	2.463	3.301	10.9	20.5
53161 1999 CP_{6}			2 28.1 74°.65	6°.5/20.7 18		
1 22	11 5.79	+17 53.9	1.664	2.494	14.9	18.3
2 1	11 1.97	+20 38.4	1.617	2.518	11.3	18.1
2 11	10 55.59	+23 28.6	1.597	2.543	8.0	18.0
2 21	10 47.39	+26 10.6	1.605	2.567	6.5	18.0
3 2	10 38.41	+28 30.7	1.643	2.591	8.1	18.1
3 12	10 29.93	+30 19.5	1.709	2.615	11.1	18.3
3 22	10 22.99	+31 33.8	1.799	2.638	14.2	18.6
4 1	10 18.39	+32 14.9	1.909	2.662	16.8	18.8
467241 2016 EB_{170}			2 28.1 349°.86	1°.2/27.2 17		
1 22	11 5.32	+ 9 31.4	1.466	2.289	17.0	20.9
2 1	11 2.00	+ 9 46.1	1.386	2.284	13.1	20.7
2 11	10 55.88	+10 13.4	1.327	2.279	8.6	20.4
2 21	10 47.61	+10 48.2	1.293	2.276	3.6	20.1
3 2	10 38.30	+11 23.6	1.284	2.273	2.3	20.0
3 12	10 29.33	+11 52.4	1.302	2.271	7.4	20.3
3 22	10 21.96	+12 9.1	1.345	2.270	12.2	20.6
4 1	10 17.12	+12 10.8	1.409	2.269	16.3	20.8
265775 2005 WF_{64}			2 28.1 108°.37	0°.5/27.6 18		
1 22	11 5.08	+ 6 41.6	1.934	2.732	14.4	21.0
2 1	11 1.04	+ 7 18.6	1.855	2.739	11.1	20.8
2 11	10 54.83	+ 8 8.8	1.800	2.746	7.2	20.6
2 21	10 47.05	+ 9 7.4	1.771	2.753	3.0	20.3
3 2	10 38.55	+10 8.2	1.770	2.760	1.6	20.3
3 12	10 30.37	+11 4.4	1.799	2.766	5.9	20.5
3 22	10 23.42	+11 50.6	1.855	2.773	9.8	20.8
4 1	10 18.41	+12 23.3	1.935	2.779	13.2	21.0
502365 2015 BR_{233}			2 28.1 261°.08	1°.5/29.2 17		
1 22	11 8.99	+ 3 52.6	2.066	2.842	14.3	21.2
2 1	11 4.12	+ 3 38.9	1.960	2.828	11.4	20.9
2 11	10 56.96	+ 3 36.8	1.878	2.814	7.8	20.7
2 21	10 48.02	+ 3 44.6	1.822	2.799	3.9	20.4
3 2	10 38.12	+ 3 59.4	1.796	2.785	1.7	20.2
3 12	10 28.32	+ 4 17.0	1.798	2.770	5.4	20.4
3 22	10 19.62	+ 4 33.2	1.829	2.754	9.5	20.6
4 1	10 12.86	+ 4 44.1	1.885	2.739	13.1	20.8
296179 2009 BM_{151}			2 28.1 343°.64	0°.1/28.0 18		
1 22	11 1.80	+ 5 2.8	1.291	2.116	18.7	20.5
2 1	10 59.65	+ 5 33.4	1.211	2.109	14.6	20.3
2 11	10 54.55	+ 6 25.5	1.151	2.102	9.7	20.0
2 21	10 47.12	+ 7 33.8	1.114	2.096	4.1	19.6
3 2	10 38.50	+ 8 49.9	1.101	2.091	1.8	19.4
3 12	10 30.17	+10 2.8	1.114	2.087	7.6	19.8
3 22	10 23.51	+11 3.1	1.151	2.084	12.9	20.1
4 1	10 19.54	+11 44.7	1.208	2.082	17.6	20.3
458899 2011 UW_{202}			2 28.1 78°.56	0°.4/28.4 18		
1 22	11 6.75	+ 4 19.2	1.528	2.330	17.4	21.9
2 1	11 2.81	+ 4 48.4	1.458	2.342	13.5	21.6
2 11	10 56.22	+ 5 35.6	1.409	2.355	8.9	21.4
2 21	10 47.69	+ 6 35.9	1.385	2.367	3.9	21.1
3 2	10 38.32	+ 7 41.9	1.389	2.379	1.4	21.0
3 12	10 29.41	+ 8 44.9	1.419	2.391	6.5	21.3
3 22	10 22.10	+ 9 37.9	1.476	2.403	11.1	21.6
4 1	10 17.20	+10 16.1	1.555	2.415	15.1	21.9
334789 2003 SW_{169}			2 28.1 186°.40	0°.1/28.0 18		
1 22	11 8.79	+ 5 58.4	2.154	2.935	13.7	22.1
2 1	11 3.75	+ 6 25.7	2.062	2.936	10.6	21.9
2 11	10 56.57	+ 7 5.2	1.993	2.935	7.0	21.7
2 21	10 47.80	+ 7 53.3	1.952	2.933	3.0	21.4
3 2	10 38.26	+ 8 44.8	1.941	2.931	1.3	21.3
3 12	10 28.93	+ 9 33.8	1.961	2.928	5.4	21.5
3 22	10 20.72	+10 15.3	2.008	2.924	9.3	21.8
4 1	10 14.38	+10 45.8	2.081	2.919	12.7	22.0
114322 2002 XW_{58}			2 28.1 76°.62	1°.5/26.4 18		
1 22	11 4.52	+ 9 54.0	2.241	3.041	12.6	19.8
2 1	11 0.18	+10 46.9	2.180	3.067	9.5	19.7
2 11	10 54.02	+11 48.3	2.144	3.093	6.1	19.5
2 21	10 46.64	+12 53.1	2.137	3.118	2.6	19.3
3 2	10 38.79	+13 55.2	2.159	3.144	2.3	19.3
3 12	10 31.33	+14 49.0	2.210	3.169	5.6	19.6
3 22	10 24.98	+15 30.7	2.290	3.194	8.9	19.8
4 1	10 20.32	+15 58.3	2.394	3.219	11.7	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
78178 2002 NZ_{33}			2 28.1 71°.58	2°.5/29.9 18		
	h m	° ′			°	m
1 22	11 8.51	+ 1 11.6	1.595	2.380	17.5	19.6
2 1	11 4.08	+ 0 59.9	1.521	2.391	13.9	19.4
2 11	10 57.02	+ 1 6.0	1.468	2.402	9.7	19.2
2 21	10 48.03	+ 1 27.8	1.439	2.413	5.1	18.9
3 2	10 38.19	+ 2 1.1	1.437	2.424	2.5	18.8
3 12	10 28.77	+ 2 39.6	1.462	2.435	6.1	19.0
3 22	10 20.92	+ 3 16.7	1.514	2.447	10.5	19.3
4 1	10 15.45	+ 3 47.0	1.589	2.458	14.4	19.6
419206 2009 UQ_{101}			2 28.1 29°.51	9°.5/19.8 18		
1 22	11 9.19	+30 31.2	1.627	2.457	15.2	20.0
2 1	11 4.85	+31 56.7	1.577	2.464	12.5	19.9
2 11	10 57.60	+33 14.5	1.549	2.471	10.3	19.8
2 21	10 48.26	+34 13.4	1.545	2.479	9.5	19.7
3 2	10 38.13	+34 44.7	1.567	2.488	10.7	19.8
3 12	10 28.66	+34 44.0	1.613	2.496	13.0	20.0
3 22	10 21.08	+34 12.6	1.680	2.506	15.6	20.2
4 1	10 16.19	+33 14.9	1.766	2.516	18.0	20.4
428953 2008 YL_{40}			2 28.1 254°.46	2°.8/24.7 17		
1 22	11 2.08	+13 37.7	2.341	3.153	11.8	21.0
2 1	10 58.53	+14 46.1	2.254	3.147	8.9	20.8
2 11	10 53.12	+16 2.5	2.191	3.141	5.8	20.6
2 21	10 46.35	+17 21.0	2.157	3.135	3.2	20.4
3 2	10 38.90	+18 34.9	2.153	3.129	3.7	20.4
3 12	10 31.61	+19 38.0	2.177	3.123	6.7	20.6
3 22	10 25.27	+20 26.0	2.229	3.117	9.9	20.8
4 1	10 20.53	+20 56.6	2.305	3.111	12.7	20.9
378710 2008 PN_{15}			2 28.1 151°.25	0°.2/28.3 16		
1 22	11 7.36	+ 5 59.2	2.601	3.375	11.8	21.4
2 1	11 2.19	+ 6 12.6	2.515	3.384	9.1	21.3
2 11	10 55.30	+ 6 35.2	2.454	3.393	6.0	21.1
2 21	10 47.20	+ 7 4.2	2.421	3.401	2.6	20.9
3 2	10 38.56	+ 7 36.0	2.419	3.409	1.0	20.7
3 12	10 30.17	+ 8 6.4	2.448	3.416	4.4	21.0
3 22	10 22.72	+ 8 32.2	2.506	3.422	7.7	21.2
4 1	10 16.80	+ 8 50.6	2.590	3.428	10.5	21.4
355937 2008 YU_{71}			2 28.1 74°.88	3°.3/25.7 18		
1 22	11 11.50	+13 2.8	1.410	2.232	17.5	20.9
2 1	11 6.48	+13 56.8	1.360	2.258	13.3	20.7
2 11	10 58.55	+15 0.2	1.331	2.283	8.6	20.5
2 21	10 48.62	+16 4.3	1.328	2.308	4.2	20.3
3 2	10 38.01	+16 59.4	1.351	2.333	4.4	20.4
3 12	10 28.19	+17 38.2	1.402	2.358	8.6	20.7
3 22	10 20.32	+17 57.1	1.477	2.382	12.8	21.0
4 1	10 15.17	+17 56.0	1.574	2.406	16.3	21.3
412913 2014 QA_{133}			2 28.1 129°.48	1°.2/26.9 18		
1 22	11 8.37	+ 8 45.2	1.957	2.754	14.3	22.4
2 1	11 3.49	+ 9 28.2	1.884	2.768	10.9	22.2
2 11	10 56.40	+10 22.4	1.834	2.781	7.0	22.0
2 21	10 47.72	+11 22.4	1.812	2.794	2.9	21.7
3 2	10 38.36	+12 21.7	1.818	2.806	2.2	21.7
3 12	10 29.39	+13 13.6	1.855	2.817	6.2	22.0
3 22	10 21.72	+13 53.5	1.918	2.828	10.0	22.2
4 1	10 16.07	+14 18.7	2.006	2.838	13.3	22.5
241679 2000 QF_{186}			2 28.1 232°.37	2°.5/25.8 17		
1 22	11 9.79	+14 27.6	2.212	3.013	12.7	20.8
2 1	11 4.57	+14 55.9	2.116	3.002	9.8	20.6
2 11	10 57.16	+15 29.9	2.043	2.991	6.4	20.3
2 21	10 48.09	+16 4.5	1.999	2.978	3.2	20.1
3 2	10 38.19	+16 34.3	1.984	2.966	3.3	20.1
3 12	10 28.46	+16 54.1	2.000	2.952	6.7	20.3
3 22	10 19.86	+17 1.1	2.042	2.939	10.2	20.4
4 1	10 13.16	+16 54.0	2.109	2.924	13.4	20.6
414069 2007 TM_{30}			2 28.1 185°.22	0°.5/28.5 17		
1 22	11 8.22	+ 4 0.3	2.163	2.939	13.8	22.8
2 1	11 3.32	+ 4 30.2	2.070	2.939	10.8	22.6
2 11	10 56.30	+ 5 14.1	2.000	2.939	7.2	22.4
2 21	10 47.71	+ 6 8.5	1.958	2.938	3.2	22.1
3 2	10 38.35	+ 7 8.3	1.946	2.936	1.2	22.0
3 12	10 29.19	+ 8 7.2	1.964	2.933	5.2	22.2
3 22	10 21.12	+ 8 59.8	2.010	2.929	9.1	22.5
4 1	10 14.89	+ 9 41.7	2.082	2.924	12.5	22.7
428772 2008 SE_{195}			2 28.1 137°.06	4°.6/ 4.6 18		
1 22	11 2.88	−10 10.1	2.456	3.164	14.1	22.1
2 1	10 58.96	−10 2.0	2.364	3.173	11.8	21.9
2 11	10 53.30	− 9 33.7	2.294	3.182	9.1	21.7
2 21	10 46.40	− 8 45.8	2.248	3.190	6.5	21.6
3 2	10 38.91	− 7 40.9	2.231	3.198	4.7	21.5
3 12	10 31.62	− 6 23.8	2.243	3.206	5.3	21.5
3 22	10 25.26	− 5 1.1	2.284	3.213	7.7	21.7
4 1	10 20.42	− 3 39.0	2.352	3.220	10.3	21.9

18104 Mahalingam 2 28.1 266°.42 1°.7/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 5.72	+ 8 9.0	1.577	2.390	16.4	18.1
2 1	11 2.33	+ 9 2.3	1.483	2.376	12.7	17.8
2 11	10 56.19	+10 13.1	1.411	2.362	8.3	17.5
2 21	10 47.83	+11 35.3	1.364	2.347	3.5	17.2
3 2	10 38.27	+12 59.9	1.345	2.332	2.8	17.1
3 12	10 28.83	+14 16.8	1.353	2.316	7.8	17.3
3 22	10 20.78	+15 17.8	1.386	2.301	12.7	17.6
4 1	10 15.17	+15 58.3	1.441	2.286	16.9	17.8

24521 2001 CZ_1 2 28.1 201°.99 0°.8/27.4 18

1 22	11 8.68	+ 9 55.3	2.328	3.118	12.5	18.3
2 1	11 3.50	+10 5.1	2.236	3.115	9.6	18.1
2 11	10 56.33	+10 22.2	2.167	3.112	6.3	17.9
2 21	10 47.70	+10 43.3	2.127	3.109	2.6	17.7
3 2	10 38.37	+11 4.1	2.117	3.105	1.6	17.6
3 12	10 29.27	+11 20.7	2.137	3.101	5.3	17.8
3 22	10 21.22	+11 29.9	2.185	3.097	8.9	18.1
4 1	10 14.92	+11 29.6	2.259	3.092	12.0	18.2

61442 2000 QK_{24} 2 28.1 128°.23 0°.2/28.2 18

1 22	11 4.20	+ 4 16.9	2.010	2.799	14.2	20.6
2 1	11 0.32	+ 4 58.2	1.928	2.806	11.0	20.4
2 11	10 54.37	+ 5 54.6	1.869	2.812	7.3	20.1
2 21	10 46.90	+ 7 1.7	1.837	2.818	3.1	19.9
3 2	10 38.73	+ 8 13.5	1.833	2.823	1.2	19.7
3 12	10 30.83	+ 9 22.8	1.859	2.829	5.5	20.0
3 22	10 24.08	+10 23.6	1.913	2.834	9.4	20.3
4 1	10 19.17	+11 11.4	1.991	2.839	12.8	20.5

430255 2013 WA_{29} 2 28.1 115°.12 5°.1/ 4.5 17

1 22	11 3.63	− 9 21.8	2.252	2.970	14.9	21.6
2 1	10 59.72	− 9 36.4	2.161	2.976	12.5	21.4
2 11	10 53.91	− 9 31.1	2.092	2.982	9.8	21.2
2 21	10 46.70	− 9 5.7	2.046	2.988	7.0	21.0
3 2	10 38.82	− 8 22.0	2.028	2.993	5.2	20.9
3 12	10 31.13	− 7 24.5	2.038	2.999	5.9	21.0
3 22	10 24.46	− 6 19.2	2.076	3.004	8.3	21.2
4 1	10 19.44	− 5 12.6	2.140	3.009	11.1	21.3

522578 2016 EJ_{245} 2 28.1 34°.56 3°.5/24.5 18

1 22	11 1.88	+11 54.2	1.670	2.496	15.0	20.7
2 1	10 59.00	+13 28.5	1.600	2.502	11.4	20.5
2 11	10 53.73	+15 15.9	1.554	2.508	7.4	20.3
2 21	10 46.68	+17 7.2	1.535	2.514	3.9	20.1
3 2	10 38.82	+18 51.6	1.543	2.521	4.7	20.2
3 12	10 31.31	+20 19.4	1.580	2.528	8.5	20.4
3 22	10 25.16	+21 24.6	1.641	2.536	12.4	20.6
4 1	10 21.16	+22 4.7	1.724	2.543	15.7	20.9

393922 2005 UE_{73} 2 28.1 159°.61 3°.3/25.4 18

1 22	11 11.29	+13 49.6	1.698	2.510	15.5	21.8
2 1	11 6.20	+14 43.8	1.623	2.516	11.8	21.6
2 11	10 58.43	+15 46.8	1.572	2.522	7.7	21.3
2 21	10 48.67	+16 51.2	1.547	2.526	4.0	21.1
3 2	10 38.01	+17 48.3	1.551	2.531	4.3	21.2
3 12	10 27.77	+18 30.7	1.583	2.534	8.2	21.4
3 22	10 19.12	+18 54.4	1.640	2.537	12.2	21.6
4 1	10 12.90	+18 58.4	1.720	2.539	15.7	21.9

245951 2006 SO_{26} 2 28.1 236°.96 0°.1/27.9 17

1 22	11 3.12	+ 5 55.4	2.714	3.494	11.2	22.0
2 1	10 59.07	+ 6 28.0	2.608	3.481	8.7	21.8
2 11	10 53.38	+ 7 11.0	2.527	3.468	5.7	21.6
2 21	10 46.46	+ 8 1.5	2.473	3.454	2.4	21.3
3 2	10 38.91	+ 8 55.3	2.451	3.440	1.1	21.2
3 12	10 31.44	+ 9 47.6	2.459	3.426	4.5	21.4
3 22	10 24.74	+10 34.1	2.496	3.411	7.7	21.6
4 1	10 19.40	+11 11.5	2.559	3.395	10.6	21.8

364418 2006 WX_{24} 2 28.1 147°.95 1°.7/26.3 18

1 22	11 7.31	+10 15.9	2.214	3.010	12.9	22.0
2 1	11 2.48	+11 7.0	2.136	3.021	9.8	21.8
2 11	10 55.67	+12 7.4	2.083	3.031	6.3	21.6
2 21	10 47.42	+13 11.9	2.058	3.040	2.7	21.4
3 2	10 38.54	+14 14.2	2.063	3.048	2.5	21.4
3 12	10 29.96	+15 8.2	2.099	3.056	6.0	21.6
3 22	10 22.51	+15 49.8	2.162	3.063	9.5	21.8
4 1	10 16.84	+16 16.7	2.249	3.070	12.5	22.0

522612 2016 FB_{65} 2 28.1 166°.86 2°.9/ 1.9 17

1 22	11 4.22	− 2 33.8	2.147	2.904	14.5	21.8
2 1	11 0.26	− 2 28.0	2.055	2.905	11.7	21.6
2 11	10 54.31	− 2 4.7	1.985	2.907	8.4	21.4
2 21	10 46.89	− 1 25.5	1.941	2.908	5.0	21.2
3 2	10 38.75	− 0 33.9	1.925	2.909	2.9	21.0
3 12	10 30.81	+ 0 24.8	1.939	2.910	5.0	21.2
3 22	10 23.92	+ 1 24.3	1.980	2.911	8.5	21.4
4 1	10 18.75	+ 2 19.2	2.047	2.911	11.8	21.6

232270 2002 QD_{79} 2 28.1 191°.53 0°.9/27.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 5.00	+ 9 7.1	2.390	3.183	12.1	21.6
2 1	11 0.65	+ 9 37.7	2.300	3.183	9.3	21.4
2 11	10 54.46	+10 17.2	2.235	3.181	6.0	21.2
2 21	10 46.93	+11 1.7	2.198	3.180	2.5	21.0
3 2	10 38.75	+11 46.5	2.190	3.178	1.8	20.9
3 12	10 30.78	+12 26.4	2.213	3.176	5.3	21.2
3 22	10 23.78	+12 57.7	2.263	3.174	8.7	21.4
4 1	10 18.38	+13 17.8	2.339	3.171	11.7	21.6

95141 2002 AG_{162} 2 28.1 118°.04 1°.4/26.9 18

1 22	11 7.72	+ 7 42.8	1.681	2.486	15.9	20.1
2 1	11 3.37	+ 8 39.9	1.610	2.499	12.2	19.9
2 11	10 56.52	+ 9 51.8	1.563	2.512	7.9	19.6
2 21	10 47.86	+11 11.9	1.541	2.524	3.2	19.4
3 2	10 38.41	+12 31.6	1.549	2.536	2.5	19.3
3 12	10 29.38	+13 42.2	1.584	2.547	6.9	19.6
3 22	10 21.85	+14 37.7	1.646	2.559	11.2	19.9
4 1	10 16.58	+15 14.6	1.731	2.569	14.8	20.2

35945 1999 KU_2 2 28.1 225°.60 1°.1/29.2 18

1 22	11 4.95	+ 2 10.1	2.238	3.011	13.5	20.6
2 1	11 0.82	+ 2 31.9	2.137	3.003	10.6	20.4
2 11	10 54.71	+ 3 8.4	2.059	2.994	7.3	20.2
2 21	10 47.09	+ 3 57.0	2.007	2.985	3.5	19.9
3 2	10 38.70	+ 4 53.3	1.985	2.975	1.4	19.7
3 12	10 30.43	+ 5 51.6	1.993	2.965	4.9	20.0
3 22	10 23.12	+ 6 46.2	2.030	2.954	8.7	20.2
4 1	10 17.51	+ 7 32.5	2.091	2.943	12.1	20.4

371221 2006 BM_{40} 2 28.1 38°.10 0°.7/28.6 18

1 22	11 7.97	+ 6 5.1	1.556	2.361	17.0	20.7
2 1	11 3.64	+ 5 57.0	1.492	2.377	13.2	20.5
2 11	10 56.70	+ 6 2.3	1.448	2.393	8.8	20.3
2 21	10 47.92	+ 6 17.6	1.429	2.410	3.9	20.0
3 2	10 38.40	+ 6 38.0	1.437	2.427	1.4	19.9
3 12	10 29.43	+ 6 57.8	1.473	2.445	6.2	20.3
3 22	10 22.09	+ 7 12.1	1.534	2.464	10.6	20.6
4 1	10 17.13	+ 7 17.6	1.618	2.483	14.4	20.8

288590 2004 JZ_{16} 2 28.1 260°.78 0°.7/27.3 17

1 22	11 2.03	+ 7 33.0	2.566	3.357	11.5	21.0
2 1	10 58.36	+ 8 13.6	2.462	3.343	8.8	20.8
2 11	10 52.98	+ 9 4.7	2.383	3.329	5.7	20.6
2 21	10 46.33	+10 2.6	2.333	3.315	2.4	20.3
3 2	10 39.02	+11 2.6	2.312	3.300	1.5	20.2
3 12	10 31.80	+11 59.3	2.321	3.286	5.0	20.4
3 22	10 25.38	+12 48.1	2.359	3.271	8.3	20.6
4 1	10 20.39	+13 25.8	2.422	3.256	11.3	20.8

266845 2009 UW_{43} 2 28.1 180°.71 0°.8/27.3 17

1 22	11 6.28	+ 8 18.9	2.117	2.913	13.4	21.6
2 1	11 1.87	+ 8 50.4	2.031	2.913	10.3	21.4
2 11	10 55.38	+ 9 32.7	1.967	2.914	6.7	21.2
2 21	10 47.36	+10 21.4	1.932	2.914	2.8	20.9
3 2	10 38.61	+11 11.0	1.925	2.913	1.8	20.9
3 12	10 30.11	+11 55.7	1.948	2.913	5.7	21.1
3 22	10 22.72	+12 30.9	1.999	2.912	9.5	21.3
4 1	10 17.16	+12 53.7	2.073	2.911	12.7	21.6

223629 2004 JH_{33} 2 28.1 247°.08 0°.8/27.3 17

1 22	11 5.55	+ 7 24.4	2.115	2.909	13.5	21.3
2 1	11 1.47	+ 8 4.6	2.012	2.894	10.4	21.1
2 11	10 55.25	+ 8 57.8	1.933	2.879	6.8	20.8
2 21	10 47.37	+ 9 59.7	1.881	2.863	2.8	20.6
3 2	10 38.59	+11 4.3	1.858	2.847	1.8	20.4
3 12	10 29.89	+12 4.8	1.865	2.830	5.9	20.7
3 22	10 22.21	+12 55.8	1.899	2.812	9.9	20.9
4 1	10 16.36	+13 33.0	1.958	2.795	13.4	21.1

306810 2001 QE_{133} 2 28.1 109°.62 3°.8/ 3.2 18

1 22	11 6.42	− 5 49.2	2.666	3.387	12.8	20.5
2 1	11 1.44	− 6 9.3	2.583	3.405	10.5	20.4
2 11	10 54.82	− 6 14.7	2.523	3.422	7.9	20.2
2 21	10 47.04	− 6 5.9	2.489	3.439	5.3	20.1
3 2	10 38.76	− 5 44.6	2.484	3.456	3.8	20.0
3 12	10 30.73	− 5 14.0	2.510	3.473	4.8	20.1
3 22	10 23.62	− 4 38.4	2.564	3.489	7.1	20.3
4 1	10 17.96	− 4 1.9	2.646	3.504	9.6	20.5

86375 2000 AT_2 2 28.1 189°.18 1°.1/28.8 18

1 22	11 9.64	+ 4 18.2	1.444	2.246	18.3	19.7
2 1	11 5.41	+ 4 18.5	1.363	2.246	14.4	19.4
2 11	10 58.21	+ 4 36.1	1.302	2.245	9.7	19.2
2 21	10 48.70	+ 5 7.7	1.265	2.245	4.5	18.9
3 2	10 38.06	+ 5 47.8	1.255	2.245	1.7	18.7
3 12	10 27.76	+ 6 28.7	1.272	2.244	6.8	19.0
3 22	10 19.15	+ 7 3.6	1.313	2.244	11.9	19.3
4 1	10 13.23	+ 7 27.3	1.377	2.243	16.3	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
183362 2002 WB_{13}			2 28.1 35°.79	2°.6/26.4 18		
	h m	° ′			°	m
1 22	11 8.04	+12 32.6	1.348	2.178	17.7	19.8
2 1	11 4.09	+12 58.2	1.290	2.192	13.5	19.5
2 11	10 57.18	+13 33.6	1.253	2.206	8.8	19.3
2 21	10 48.17	+14 11.7	1.239	2.221	4.0	19.1
3 2	10 38.33	+14 44.3	1.252	2.237	3.6	19.1
3 12	10 29.17	+15 4.6	1.290	2.254	8.2	19.4
3 22	10 21.90	+15 8.9	1.353	2.271	12.7	19.7
4 1	10 17.34	+14 56.2	1.437	2.288	16.6	20.0
99564 2002 FT_{8}			2 28.1 221°.28	2°.3/29.9 18		
1 22	11 8.68	+ 0 37.8	1.892	2.663	15.7	19.7
2 1	11 4.09	+ 0 35.5	1.794	2.656	12.6	19.4
2 11	10 57.07	+ 0 49.7	1.717	2.648	8.8	19.2
2 21	10 48.18	+ 1 18.7	1.666	2.639	4.8	18.9
3 2	10 38.28	+ 1 59.1	1.643	2.630	2.4	18.7
3 12	10 28.53	+ 2 45.0	1.649	2.621	5.7	18.9
3 22	10 19.99	+ 3 30.2	1.682	2.611	9.9	19.2
4 1	10 13.53	+ 4 9.3	1.740	2.601	13.7	19.4
298767 2004 NS_{3}			2 28.1 240°.72	3°.7/25.1 17		
1 22	11 12.52	+15 37.8	1.894	2.701	14.3	21.7
2 1	11 7.24	+16 25.1	1.794	2.683	11.1	21.4
2 11	10 59.27	+17 19.9	1.717	2.664	7.4	21.1
2 21	10 49.15	+18 15.3	1.668	2.645	4.2	20.9
3 2	10 37.87	+19 3.5	1.647	2.624	4.6	20.9
3 12	10 26.68	+19 37.3	1.656	2.602	8.3	21.0
3 22	10 16.80	+19 52.6	1.691	2.580	12.4	21.2
4 1	10 9.22	+19 48.3	1.748	2.557	16.0	21.4
121725 Aphidas			2 28.1 220°.31	0°.2/25.9 16		
1 22	10 45.69	+13 52.0	24.528	25.322	1.3	22.8
2 1	10 44.63	+13 59.9	24.431	25.316	1.0	22.7
2 11	10 43.43	+14 8.3	24.362	25.310	0.6	22.7
2 21	10 42.14	+14 16.7	24.323	25.303	0.3	22.6
3 2	10 40.81	+14 24.8	24.315	25.297	0.3	22.6
3 12	10 39.50	+14 32.4	24.337	25.291	0.6	22.7
3 22	10 38.25	+14 39.2	24.389	25.285	1.0	22.7
4 1	10 37.11	+14 44.8	24.468	25.278	1.3	22.7
259085 2002 VJ_{46}			2 28.1 129°.73	1°.4/26.8 18		
1 22	11 7.74	+ 9 13.8	2.066	2.862	13.7	21.7
2 1	11 2.93	+10 0.5	1.992	2.876	10.4	21.6
2 11	10 56.02	+10 57.6	1.942	2.890	6.7	21.4
2 21	10 47.61	+11 59.8	1.921	2.903	2.8	21.1
3 2	10 38.56	+13 0.7	1.928	2.915	2.3	21.1
3 12	10 29.87	+13 53.8	1.966	2.927	6.0	21.4
3 22	10 22.41	+14 34.8	2.031	2.938	9.7	21.6
4 1	10 16.85	+15 1.2	2.121	2.949	12.8	21.8
35652 1998 MT_{29}			2 28.1 315°.13	4°.0/24.1 18	R	
1 22	11 2.77	+14 52.9	1.801	2.627	14.1	17.8
2 1	10 59.68	+16 9.6	1.718	2.619	10.8	17.5
2 11	10 54.23	+17 36.0	1.659	2.611	7.2	17.3
2 21	10 46.97	+19 4.2	1.626	2.603	4.3	17.1
3 2	10 38.80	+20 24.8	1.621	2.595	5.1	17.1
3 12	10 30.86	+21 29.6	1.644	2.587	8.6	17.3
3 22	10 24.17	+22 13.5	1.691	2.580	12.4	17.5
4 1	10 19.58	+22 34.4	1.760	2.573	15.7	17.7
433244 2012 VR_{93}			2 28.1 236°.95	1°.4/29.7 17		
1 22	11 2.17	+ 1 0.9	2.598	3.363	12.0	21.3
2 1	10 58.41	+ 1 20.7	2.495	3.356	9.5	21.1
2 11	10 52.99	+ 1 53.8	2.417	3.348	6.6	20.9
2 21	10 46.34	+ 2 37.9	2.365	3.340	3.4	20.7
3 2	10 39.08	+ 3 29.6	2.343	3.332	1.5	20.6
3 12	10 31.92	+ 4 24.1	2.352	3.323	4.2	20.7
3 22	10 25.58	+ 5 16.6	2.389	3.315	7.5	20.9
4 1	10 20.62	+ 6 3.1	2.452	3.306	10.4	21.1
82638 Bottariclaudio			2 28.1 143°.24	0°.4/28.5 18		
1 22	11 2.53	+ 3 40.0	2.537	3.313	12.0	19.9
2 1	10 58.63	+ 4 20.0	2.450	3.320	9.3	19.8
2 11	10 53.09	+ 5 12.4	2.387	3.326	6.2	19.6
2 21	10 46.36	+ 6 13.8	2.353	3.333	2.7	19.4
3 2	10 39.09	+ 7 19.5	2.348	3.338	1.0	19.2
3 12	10 32.03	+ 8 24.1	2.375	3.344	4.4	19.5
3 22	10 25.84	+ 9 22.7	2.430	3.349	7.7	19.7
4 1	10 21.09	+10 11.5	2.510	3.354	10.6	19.9
284853 2009 BX_{136}			2 28.1 257°.92	1°.4/29.4 17		
1 22	11 5.34	+ 3 2.7	2.313	3.086	13.1	20.5
2 1	11 1.00	+ 2 59.7	2.218	3.084	10.3	20.3
2 11	10 54.76	+ 3 8.3	2.146	3.081	7.1	20.1
2 21	10 47.11	+ 3 26.7	2.102	3.078	3.5	19.9
3 2	10 38.79	+ 3 51.7	2.087	3.075	1.5	19.7
3 12	10 30.64	+ 4 19.2	2.101	3.073	4.7	20.0
3 22	10 23.47	+ 4 45.0	2.143	3.070	8.2	20.2
4 1	10 17.94	+ 5 5.6	2.211	3.067	11.4	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
77081 2001 DY_{32}			2 28.1 314°.64	2°.1/26.7 18		
	h m	° ′			°	m
1 22	11 8.90	+11 52.3	1.514	2.334	16.7	19.3
2 1	11 4.81	+12 9.7	1.430	2.327	12.9	19.1
2 11	10 57.81	+12 37.2	1.368	2.319	8.4	18.8
2 21	10 48.56	+13 9.0	1.330	2.313	3.7	18.5
3 2	10 38.18	+13 37.9	1.319	2.306	3.1	18.4
3 12	10 28.13	+13 57.2	1.335	2.300	7.8	18.7
3 22	10 19.69	+14 2.4	1.376	2.294	12.6	18.9
4 1	10 13.87	+13 51.6	1.439	2.288	16.7	19.2
467371 2004 KU_{12}			2 28.1 224°.95	6°.0/20.7 17		
1 22	11 8.07	+24 49.0	2.435	3.247	11.4	21.9
2 1	11 3.28	+26 16.3	2.350	3.234	9.0	21.7
2 11	10 56.36	+27 44.2	2.291	3.221	6.9	21.6
2 21	10 47.84	+29 4.8	2.260	3.208	6.0	21.5
3 2	10 38.49	+30 10.7	2.258	3.193	7.0	21.5
3 12	10 29.27	+30 56.3	2.285	3.178	9.3	21.6
3 22	10 21.11	+31 19.3	2.337	3.162	11.8	21.8
4 1	10 14.75	+31 20.0	2.411	3.145	14.1	21.9
198524 2004 XN_{101}			2 28.1 178°.03	1°.5/29.6 18		
1 22	11 5.05	+ 1 45.8	2.247	3.018	13.5	20.9
2 1	11 0.81	+ 1 57.1	2.155	3.019	10.7	20.7
2 11	10 54.66	+ 2 22.2	2.086	3.020	7.3	20.5
2 21	10 47.08	+ 2 58.9	2.044	3.020	3.7	20.3
3 2	10 38.81	+ 3 43.3	2.031	3.020	1.6	20.1
3 12	10 30.75	+ 4 30.2	2.048	3.020	4.8	20.4
3 22	10 23.69	+ 5 14.7	2.093	3.020	8.4	20.6
4 1	10 18.31	+ 5 52.3	2.163	3.019	11.6	20.8
368978 2007 EZ_{34}			2 28.1 61°.86	0°.9/29.1 18		
1 22	11 1.39	− 1 23.5	1.775	2.555	16.2	20.6
2 1	10 58.49	+ 0 0.2	1.692	2.562	12.7	20.3
2 11	10 53.36	+ 1 49.4	1.631	2.569	8.6	20.1
2 21	10 46.58	+ 3 58.4	1.597	2.576	4.1	19.8
3 2	10 39.02	+ 6 17.9	1.593	2.583	1.3	19.7
3 12	10 31.73	+ 8 36.1	1.618	2.590	5.8	20.0
3 22	10 25.66	+10 42.4	1.671	2.597	10.1	20.2
4 1	10 21.57	+12 29.0	1.749	2.604	13.9	20.5
469112 2015 DU_{82}			2 28.1 233°.02	1°.5/26.6 17		
1 22	11 4.44	+10 17.5	2.227	3.029	12.6	21.1
2 1	11 0.41	+10 53.8	2.138	3.025	9.7	20.9
2 11	10 54.42	+11 39.3	2.074	3.022	6.2	20.7
2 21	10 46.99	+12 29.4	2.036	3.018	2.7	20.4
3 2	10 38.86	+13 18.6	2.028	3.015	2.3	20.4
3 12	10 30.94	+14 1.3	2.050	3.011	5.8	20.6
3 22	10 24.04	+14 33.4	2.099	3.007	9.4	20.8
4 1	10 18.86	+14 52.3	2.172	3.003	12.5	21.0
185441 2006 XE_{54}			2 28.1 35°.72	4°.4/24.8 18		
1 22	11 8.28	+17 0.0	1.568	2.396	15.8	19.5
2 1	11 4.08	+17 45.9	1.501	2.401	12.1	19.3
2 11	10 57.14	+18 37.1	1.456	2.407	8.1	19.1
2 21	10 48.19	+19 25.7	1.437	2.413	4.8	18.9
3 2	10 38.39	+20 3.2	1.444	2.420	5.4	19.0
3 12	10 29.10	+20 23.3	1.478	2.427	9.0	19.2
3 22	10 21.48	+20 23.3	1.537	2.434	12.9	19.4
4 1	10 16.36	+20 3.4	1.617	2.441	16.3	19.7
199092 2005 YZ_{11}			2 28.1 252°.41	2°.4/ 1.3 17		
1 22	11 5.82	− 0 15.0	2.153	2.917	14.2	20.9
2 1	11 1.65	− 0 15.4	2.046	2.903	11.5	20.7
2 11	10 55.38	− 0 0.3	1.962	2.889	8.1	20.4
2 21	10 47.46	+ 0 28.8	1.903	2.874	4.5	20.2
3 2	10 38.66	+ 1 9.1	1.873	2.860	2.4	20.0
3 12	10 29.92	+ 1 55.4	1.873	2.844	5.1	20.2
3 22	10 22.17	+ 2 42.3	1.900	2.829	8.9	20.4
4 1	10 16.19	+ 3 24.5	1.952	2.813	12.4	20.5
78980 2003 UH_{36}			2 28.1 235°.99	0°.4/27.8 17		
1 22	11 8.24	+ 8 47.9	2.144	2.936	13.4	19.7
2 1	11 3.37	+ 8 51.4	2.053	2.933	10.4	19.5
2 11	10 56.39	+ 9 3.4	1.986	2.930	6.8	19.2
2 21	10 47.84	+ 9 20.7	1.945	2.927	2.8	19.0
3 2	10 38.54	+ 9 39.2	1.935	2.924	1.4	18.9
3 12	10 29.47	+ 9 54.4	1.954	2.921	5.4	19.1
3 22	10 21.54	+10 3.1	2.000	2.918	9.2	19.3
4 1	10 15.47	+10 2.8	2.072	2.915	12.5	19.6
211903 2004 LT_{6}			2 28.1 271°.08	4°.2/ 3.6 17		
1 22	11 2.85	− 6 59.3	2.547	3.272	13.2	20.2
2 1	10 59.07	− 7 13.1	2.434	3.257	11.0	20.0
2 11	10 53.53	− 7 10.7	2.343	3.241	8.5	19.8
2 21	10 46.64	− 6 51.7	2.277	3.225	5.9	19.6
3 2	10 39.02	− 6 17.7	2.239	3.210	4.3	19.5
3 12	10 31.43	− 5 32.2	2.230	3.193	5.2	19.5
3 22	10 24.63	− 4 39.8	2.249	3.177	7.8	19.6
4 1	10 19.27	− 3 45.9	2.295	3.161	10.6	19.8

246794 2009 DP_{128} 2 28.1 279°.89 4°.0/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 4.42	+18 32.3	2.334	3.150	11.7	20.5
2 1	11 0.42	+19 25.9	2.245	3.138	9.0	20.3
2 11	10 54.46	+20 23.2	2.180	3.127	6.1	20.1
2 21	10 47.03	+21 18.2	2.144	3.115	4.1	20.0
3 2	10 38.87	+22 4.7	2.136	3.103	4.8	20.0
3 12	10 30.90	+22 37.5	2.157	3.092	7.5	20.2
3 22	10 23.93	+22 53.8	2.204	3.080	10.5	20.3
4 1	10 18.66	+22 52.6	2.274	3.068	13.2	20.5

97835 2000 PF_{7} 2 28.1 191°.93 0°.8/27.4 18

1 22	11 10.17	+ 8 10.1	2.033	2.822	14.1	20.3
2 1	11 5.01	+ 8 40.0	1.941	2.821	10.9	20.1
2 11	10 57.56	+ 9 21.3	1.874	2.818	7.1	19.8
2 21	10 48.38	+10 9.6	1.833	2.815	3.0	19.6
3 2	10 38.35	+10 59.0	1.823	2.811	1.8	19.5
3 12	10 28.54	+11 43.4	1.842	2.807	6.0	19.7
3 22	10 19.94	+12 18.0	1.889	2.801	10.0	20.0
4 1	10 13.35	+12 39.8	1.961	2.795	13.5	20.2

456797 2007 TB_{239} 2 28.1 181°.41 1°.5/29.5 18

1 22	11 6.97	+ 0 38.6	2.025	2.795	14.8	22.3
2 1	11 2.55	+ 1 8.7	1.933	2.796	11.7	22.1
2 11	10 55.94	+ 1 56.4	1.864	2.797	8.1	21.9
2 21	10 47.69	+ 2 58.8	1.821	2.797	4.0	21.6
3 2	10 38.63	+ 4 10.6	1.807	2.796	1.6	21.4
3 12	10 29.77	+ 5 24.7	1.823	2.794	5.3	21.7
3 22	10 22.06	+ 6 34.3	1.867	2.792	9.3	21.9
4 1	10 16.25	+ 7 33.9	1.936	2.790	12.8	22.1

226827 2004 RM_{315} 2 28.1 119°.09 4°.9/22.9 18

1 22	11 8.26	+20 55.0	2.176	2.991	12.4	20.7
2 1	11 3.31	+22 2.9	2.114	3.005	9.6	20.5
2 11	10 56.27	+23 11.8	2.077	3.018	6.8	20.4
2 21	10 47.75	+24 14.5	2.067	3.032	5.0	20.3
3 2	10 38.64	+25 4.1	2.087	3.045	5.8	20.4
3 12	10 29.93	+25 35.9	2.135	3.057	8.3	20.6
3 22	10 22.49	+25 48.0	2.209	3.069	11.1	20.7
4 1	10 16.97	+25 40.9	2.305	3.081	13.6	20.9

412534 2014 MN_{43} 2 28.1 213°.29 3°.1/ 1.9 17

1 22	11 8.28	− 2 54.6	2.058	2.808	15.2	22.8
2 1	11 3.64	− 2 49.1	1.954	2.800	12.4	22.5
2 11	10 56.74	− 2 25.0	1.871	2.791	9.0	22.3
2 21	10 48.08	− 1 43.2	1.814	2.781	5.3	22.1
3 2	10 38.46	− 0 46.9	1.786	2.770	3.1	21.9
3 12	10 28.94	+ 0 17.8	1.788	2.759	5.5	22.0
3 22	10 20.51	+ 1 24.3	1.818	2.746	9.3	22.2
4 1	10 13.98	+ 2 26.0	1.873	2.733	12.9	22.4

348913 2006 TJ_{9} 2 28.1 176°.59 4°.7/ 5.4 17

1 22	11 1.57	−11 54.9	2.876	3.565	12.6	21.7
2 1	10 57.81	−11 54.1	2.774	3.566	10.7	21.6
2 11	10 52.54	−11 35.5	2.694	3.567	8.5	21.4
2 21	10 46.17	−10 59.0	2.638	3.568	6.3	21.3
3 2	10 39.27	−10 6.2	2.611	3.568	4.8	21.2
3 12	10 32.50	− 9 1.0	2.613	3.569	5.1	21.2
3 22	10 26.48	− 7 48.2	2.645	3.568	7.0	21.3
4 1	10 21.73	− 6 33.4	2.703	3.568	9.2	21.4

41429 2000 GE_{2} 2 28.1 289°.31 0°.7/27.8 18

1 22	11 22.44	+ 5 43.3	1.158	1.958	21.9	23.3
2 1	11 18.40	+ 6 7.7	1.017	1.900	18.1	22.9
2 11	11 9.39	+ 7 0.5	0.894	1.839	12.7	22.3
2 21	10 54.86	+ 8 22.3	0.792	1.774	5.7	21.7
3 2	10 35.14	+10 7.0	0.716	1.706	3.0	21.2
3 12	10 12.07	+11 59.6	0.667	1.634	12.6	21.4
3 22	9 48.75	+13 40.5	0.642	1.558	22.5	21.6
4 1	9 28.58	+14 54.8	0.635	1.479	32.0	21.7

68756 2002 EW_{83} 2 28.1 197°.18 1°.2/26.9 18

1 22	11 7.98	+ 8 25.2	2.000	2.796	14.1	20.3
2 1	11 3.40	+ 9 10.5	1.910	2.793	10.8	20.1
2 11	10 56.54	+10 8.3	1.843	2.790	7.0	19.9
2 21	10 47.97	+11 13.5	1.803	2.786	2.9	19.6
3 2	10 38.54	+12 19.3	1.793	2.781	2.2	19.5
3 12	10 29.32	+13 18.7	1.813	2.776	6.3	19.8
3 22	10 21.28	+14 6.2	1.860	2.769	10.3	20.0
4 1	10 15.22	+14 38.5	1.931	2.763	13.8	20.2

463322 2012 KD_{21} 2 28.1 305°.87 2°.2/ 1.2 17

1 22	11 2.51	− 0 55.0	1.741	2.523	16.4	21.9
2 1	10 59.53	− 0 32.6	1.647	2.515	13.1	21.7
2 11	10 54.19	+ 0 11.3	1.575	2.508	9.3	21.4
2 21	10 47.03	+ 1 14.3	1.527	2.501	5.0	21.1
3 2	10 38.91	+ 2 31.1	1.506	2.494	2.3	20.9
3 12	10 30.97	+ 3 53.6	1.512	2.487	5.8	21.1
3 22	10 24.23	+ 5 13.3	1.546	2.480	10.1	21.4
4 1	10 19.57	+ 6 22.8	1.603	2.474	14.1	21.6

53112 1999 AK_{8} 2 28.1 122°.12 0°.1/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 8.86	+ 5 51.7	2.094	2.876	14.0	19.4
2 1	11 3.74	+ 6 13.9	2.019	2.893	10.8	19.2
2 11	10 56.55	+ 6 48.0	1.967	2.909	7.1	19.0
2 21	10 47.89	+ 7 29.9	1.943	2.924	3.0	18.8
3 2	10 38.61	+ 8 14.8	1.949	2.939	1.2	18.7
3 12	10 29.71	+ 8 57.1	1.984	2.953	5.3	19.0
3 22	10 22.03	+ 9 32.2	2.048	2.966	9.0	19.2
4 1	10 16.23	+ 9 57.0	2.136	2.979	12.2	19.5

428426 2007 TV_{199} 2 28.1 33°.10 3°.1/ 2.4 17

1 22	11 1.99	− 3 39.3	2.142	2.898	14.5	21.3
2 1	10 58.59	− 3 30.8	2.052	2.901	11.8	21.1
2 11	10 53.27	− 3 4.0	1.984	2.904	8.6	20.9
2 21	10 46.54	− 2 20.3	1.942	2.906	5.2	20.7
3 2	10 39.14	− 1 23.2	1.927	2.909	3.1	20.6
3 12	10 31.93	− 0 18.4	1.941	2.913	5.0	20.7
3 22	10 25.74	+ 0 47.8	1.982	2.916	8.3	20.9
4 1	10 21.23	+ 1 49.4	2.049	2.919	11.5	21.1

298931 2004 TK_{168} 2 28.1 149°.47 0°.8/28.8 18

1 22	11 8.00	+ 2 44.8	1.836	2.618	15.7	21.7
2 1	11 3.47	+ 3 19.1	1.755	2.627	12.3	21.5
2 11	10 56.60	+ 4 10.8	1.696	2.635	8.2	21.2
2 21	10 47.98	+ 5 15.8	1.663	2.642	3.8	21.0
3 2	10 38.56	+ 6 27.7	1.659	2.649	1.3	20.8
3 12	10 29.45	+ 7 38.9	1.684	2.655	5.7	21.1
3 22	10 21.67	+ 8 42.3	1.737	2.661	10.0	21.4
4 1	10 15.99	+ 9 32.9	1.814	2.666	13.7	21.6

296717 2009 SX_{344} 2 28.1 38°.82 3°.3/ 2.5 18

1 22	11 1.52	− 4 57.6	1.775	2.539	16.8	20.6
2 1	10 58.61	− 4 28.8	1.691	2.544	13.6	20.4
2 11	10 53.47	− 3 35.4	1.627	2.549	9.9	20.1
2 21	10 46.67	− 2 19.6	1.588	2.554	5.9	19.9
3 2	10 39.08	− 0 46.8	1.575	2.560	3.3	19.8
3 12	10 31.75	+ 0 54.2	1.591	2.565	5.6	19.9
3 22	10 25.65	+ 2 34.1	1.634	2.571	9.5	20.1
4 1	10 21.52	+ 4 4.6	1.702	2.577	13.2	20.4

165998 2002 AH_{34} 2 28.1 309°.81 3°.1/ 1.3 18

1 22	11 2.91	− 0 24.1	1.367	2.168	19.1	19.9
2 1	11 0.69	− 0 29.5	1.266	2.144	15.6	19.6
2 11	10 55.50	− 0 11.4	1.183	2.120	11.2	19.3
2 21	10 47.79	+ 0 29.9	1.122	2.097	6.3	18.9
3 2	10 38.55	+ 1 30.5	1.086	2.074	3.2	18.7
3 12	10 29.26	+ 2 41.9	1.075	2.051	7.2	18.8
3 22	10 21.39	+ 3 54.2	1.088	2.030	12.6	19.1
4 1	10 16.19	+ 4 57.5	1.122	2.008	17.7	19.3

162801 2000 YV_{91} 2 28.1 33°.48 2°.5/26.4 18

1 22	11 5.75	+10 34.1	1.225	2.061	18.8	18.9
2 1	11 2.65	+11 16.4	1.167	2.073	14.4	18.6
2 11	10 56.44	+12 13.0	1.130	2.085	9.3	18.4
2 21	10 47.98	+13 15.6	1.116	2.099	4.0	18.1
3 2	10 38.59	+14 14.2	1.127	2.113	3.6	18.1
3 12	10 29.85	+14 59.3	1.163	2.128	8.6	18.5
3 22	10 23.07	+15 25.5	1.222	2.144	13.4	18.8
4 1	10 19.11	+15 30.7	1.302	2.160	17.5	19.1

269303 2008 SL_{110} 2 28.1 199°.15 0°.5/27.6 17

1 22	11 4.54	+ 7 1.7	2.250	3.041	12.8	21.1
2 1	11 0.47	+ 7 36.8	2.159	3.039	9.9	20.9
2 11	10 54.48	+ 8 23.4	2.092	3.037	6.5	20.7
2 21	10 47.05	+ 9 17.5	2.053	3.035	2.7	20.5
3 2	10 38.94	+10 13.7	2.043	3.032	1.4	20.4
3 12	10 31.01	+11 6.4	2.063	3.029	5.3	20.6
3 22	10 24.09	+11 50.6	2.111	3.026	8.9	20.8
4 1	10 18.85	+12 23.1	2.183	3.023	12.1	21.0

287232 2002 TG_{24} 2 28.1 199°.69 3°.8/24.7 18

1 22	11 11.61	+17 53.8	2.146	2.951	12.9	21.3
2 1	11 6.05	+18 35.7	2.060	2.948	10.0	21.1
2 11	10 58.20	+19 21.1	1.999	2.944	6.7	20.9
2 21	10 48.65	+20 3.8	1.965	2.939	4.1	20.7
3 2	10 38.30	+20 37.2	1.962	2.934	4.6	20.7
3 12	10 28.23	+20 56.5	1.987	2.928	7.6	20.9
3 22	10 19.41	+20 59.1	2.040	2.921	10.9	21.1
4 1	10 12.63	+20 45.0	2.116	2.914	13.9	21.2

283552 2001 UY_{220} 2 28.1 124°.01 1°.6/29.5 18

1 22	11 9.56	+ 1 21.1	1.731	2.509	16.6	21.6
2 1	11 4.74	+ 1 38.9	1.656	2.524	13.1	21.4
2 11	10 57.43	+ 2 14.8	1.603	2.538	9.0	21.2
2 21	10 48.33	+ 3 5.6	1.575	2.552	4.4	20.9
3 2	10 38.44	+ 4 5.6	1.576	2.565	1.8	20.8
3 12	10 28.96	+ 5 7.2	1.605	2.577	5.8	21.0
3 22	10 20.95	+ 6 3.7	1.661	2.589	10.1	21.3
4 1	10 15.18	+ 6 49.5	1.742	2.600	13.8	21.6

8198 1993 VE_2 2 28.1 176°.26 5°.5/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 5.33	−11 47.4	2.360	3.056	14.9	19.0
2 1	11 1.04	−11 55.0	2.261	3.059	12.6	18.8
2 11	10 54.84	−11 41.4	2.183	3.061	10.0	18.7
2 21	10 47.22	−11 6.2	2.130	3.062	7.4	18.5
3 2	10 38.88	−10 11.0	2.104	3.063	5.6	18.4
3 12	10 30.70	− 9 0.2	2.106	3.063	6.1	18.4
3 22	10 23.48	− 7 40.4	2.138	3.062	8.3	18.6
4 1	10 17.90	− 6 18.4	2.195	3.061	11.0	18.7

151640 2002 XC_{33} 2 28.1 163°.78 0°.2/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.42	+ 6 14.0	1.786	2.575	15.8	21.0
2 1	11 6.21	+ 6 38.7	1.703	2.581	12.2	20.7
2 11	10 58.45	+ 7 17.5	1.643	2.587	8.1	20.5
2 21	10 48.80	+ 8 5.9	1.610	2.591	3.4	20.2
3 2	10 38.26	+ 8 57.6	1.605	2.595	1.5	20.1
3 12	10 28.05	+ 9 45.7	1.630	2.598	6.2	20.4
3 22	10 19.29	+10 24.7	1.682	2.601	10.6	20.7
4 1	10 12.81	+10 50.7	1.758	2.602	14.4	20.9

250612 2005 EQ_{295} 2 28.1 251°.26 0°.9/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.15	+ 5 35.9	1.689	2.482	16.3	20.5
2 1	11 5.47	+ 5 27.7	1.600	2.478	12.9	20.2
2 11	10 58.12	+ 5 32.5	1.532	2.474	8.7	20.0
2 21	10 48.71	+ 5 47.6	1.490	2.470	4.0	19.7
3 2	10 38.28	+ 6 8.6	1.476	2.466	1.4	19.5
3 12	10 28.10	+ 6 30.1	1.490	2.462	6.2	19.8
3 22	10 19.36	+ 6 47.0	1.530	2.457	10.8	20.1
4 1	10 12.99	+ 6 55.4	1.594	2.453	14.8	20.3

239347 2007 RJ_{143} 2 28.1 250°.31 1°.3/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.40	+ 2 22.1	1.851	2.630	15.7	21.7
2 1	11 4.11	+ 2 36.5	1.742	2.612	12.5	21.4
2 11	10 57.28	+ 3 8.1	1.656	2.592	8.6	21.2
2 21	10 48.41	+ 3 54.6	1.595	2.572	4.2	20.8
3 2	10 38.37	+ 4 51.3	1.562	2.552	1.6	20.6
3 12	10 28.32	+ 5 51.2	1.558	2.530	6.0	20.8
3 22	10 19.42	+ 6 47.4	1.582	2.508	10.6	21.1
4 1	10 12.65	+ 7 33.9	1.629	2.485	14.7	21.3

456796 2007 TE_{236} 2 28.1 179°.94 0°.4/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.28	+ 6 10.3	2.017	2.804	14.3	22.6
2 1	11 3.56	+ 6 47.3	1.928	2.806	11.1	22.4
2 11	10 56.62	+ 7 37.8	1.864	2.807	7.3	22.1
2 21	10 48.01	+ 8 37.4	1.826	2.807	3.0	21.9
3 2	10 38.60	+ 9 40.0	1.818	2.807	1.5	21.7
3 12	10 29.42	+10 39.0	1.839	2.806	5.8	22.0
3 22	10 21.43	+11 28.6	1.888	2.804	9.8	22.3
4 1	10 15.39	+12 5.1	1.962	2.802	13.3	22.5

432152 2009 BV_{136} 2 28.1 223°.20 1°.9/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.01	+ 1 30.1	2.489	3.251	12.6	21.3
2 1	11 1.42	+ 1 21.6	2.390	3.247	10.0	21.1
2 11	10 55.03	+ 1 24.7	2.313	3.242	7.0	20.9
2 21	10 47.29	+ 1 38.0	2.264	3.237	3.8	20.7
3 2	10 38.89	+ 1 58.9	2.245	3.232	1.9	20.5
3 12	10 30.63	+ 2 23.7	2.256	3.227	4.5	20.7
3 22	10 23.27	+ 2 48.5	2.295	3.221	7.7	20.9
4 1	10 17.45	+ 3 9.9	2.361	3.216	10.8	21.1

387257 2012 UJ_{96} 2 28.1 64°.32 3°.2/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 1.92	− 4 21.7	2.287	3.035	13.9	21.4
2 1	10 58.38	− 4 13.0	2.200	3.043	11.3	21.2
2 11	10 53.06	− 3 46.7	2.136	3.052	8.3	21.0
2 21	10 46.45	− 3 4.2	2.098	3.060	5.2	20.9
3 2	10 39.25	− 2 8.9	2.088	3.069	3.2	20.8
3 12	10 32.27	− 1 6.0	2.107	3.078	4.8	20.9
3 22	10 26.26	− 0 1.5	2.154	3.087	7.8	21.1
4 1	10 21.81	+ 0 59.1	2.227	3.095	10.8	21.3

502096 2015 AQ_{253} 2 28.1 20°.90 0°.1/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.82	+ 6 54.8	1.872	2.671	14.8	21.7
2 1	11 1.81	+ 7 8.3	1.789	2.673	11.4	21.5
2 11	10 55.53	+ 7 33.9	1.729	2.675	7.5	21.3
2 21	10 47.57	+ 8 7.9	1.695	2.677	3.2	21.0
3 2	10 38.84	+ 8 45.0	1.689	2.679	1.3	20.9
3 12	10 30.39	+ 9 19.4	1.711	2.681	5.8	21.2
3 22	10 23.20	+ 9 46.4	1.761	2.684	9.9	21.4
4 1	10 18.02	+10 2.5	1.833	2.687	13.5	21.6

363205 2001 US_{151} 2 28.1 149°.81 1°.5/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.75	+ 0 8.8	2.707	3.457	12.0	22.7
2 1	11 1.73	+ 0 31.3	2.620	3.470	9.5	22.5
2 11	10 55.09	+ 1 6.8	2.556	3.482	6.6	22.3
2 21	10 47.29	+ 1 52.9	2.521	3.494	3.4	22.2
3 2	10 38.97	+ 2 46.0	2.516	3.504	1.6	22.0
3 12	10 30.87	+ 3 41.4	2.543	3.514	4.1	22.2
3 22	10 23.65	+ 4 34.7	2.600	3.523	7.1	22.4
4 1	10 17.88	+ 5 21.9	2.684	3.531	9.9	22.6

303800 2005 SC_{40} 2 28.1 246°.60 1°.0/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 1.86	+ 2 23.1	2.652	3.422	11.7	21.4
2 1	10 58.17	+ 2 45.5	2.550	3.415	9.2	21.2
2 11	10 52.88	+ 3 20.1	2.472	3.407	6.3	21.0
2 21	10 46.39	+ 4 4.5	2.422	3.399	3.0	20.8
3 2	10 39.31	+ 4 55.1	2.402	3.391	1.1	20.6
3 12	10 32.34	+ 5 47.3	2.412	3.383	4.2	20.8
3 22	10 26.15	+ 6 36.6	2.450	3.375	7.4	21.0
4 1	10 21.32	+ 7 19.1	2.515	3.367	10.3	21.2

1053 Vigdis 2 28.1 83°.57 3°.4/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.07	+15 31.5	1.764	2.580	14.8	16.4
2 1	11 5.13	+16 6.4	1.696	2.590	11.3	16.2
2 11	10 57.69	+16 46.8	1.651	2.600	7.5	16.0
2 21	10 48.47	+17 26.1	1.632	2.611	4.0	15.8
3 2	10 38.51	+17 57.2	1.642	2.621	4.2	15.8
3 12	10 29.03	+18 14.9	1.679	2.631	7.8	16.1
3 22	10 21.09	+18 16.4	1.742	2.641	11.5	16.3
4 1	10 15.45	+18 1.4	1.828	2.651	14.8	16.6

324623 2007 AQ_{21} 2 28.1 107°.41 1°.6/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.25	+ 9 54.3	2.020	2.819	13.8	21.4
2 1	11 3.35	+10 39.5	1.953	2.839	10.5	21.2
2 11	10 56.33	+11 34.3	1.910	2.858	6.8	21.0
2 21	10 47.84	+12 33.2	1.895	2.877	2.9	20.8
3 2	10 38.76	+13 29.7	1.909	2.895	2.4	20.8
3 12	10 30.10	+14 17.8	1.953	2.913	6.1	21.1
3 22	10 22.72	+14 53.4	2.024	2.930	9.7	21.3
4 1	10 17.28	+15 14.4	2.119	2.947	12.8	21.5

56579 2000 JB_{27} 2 28.1 128°.79 4°.3/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.31	+17 16.7	1.620	2.436	15.9	18.7
2 1	11 8.64	+17 57.9	1.553	2.446	12.3	18.5
2 11	11 0.12	+18 43.5	1.508	2.456	8.2	18.3
2 21	10 49.53	+19 25.6	1.489	2.465	4.8	18.1
3 2	10 38.09	+19 56.3	1.498	2.474	5.2	18.2
3 12	10 27.22	+20 9.5	1.535	2.482	8.9	18.4
3 22	10 18.15	+20 3.3	1.597	2.490	12.8	18.7
4 1	10 11.72	+19 38.4	1.682	2.497	16.2	18.9

107343 2001 CP_{23} 2 28.1 356°.37 0°.2/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.36	+ 6 34.5	1.290	2.115	18.7	19.6
2 1	11 1.68	+ 6 48.1	1.214	2.112	14.6	19.4
2 11	10 55.96	+ 7 19.2	1.158	2.109	9.7	19.1
2 21	10 47.91	+ 8 3.2	1.125	2.107	4.1	18.7
3 2	10 38.70	+ 8 52.5	1.117	2.107	1.7	18.6
3 12	10 29.86	+ 9 38.2	1.134	2.107	7.5	18.9
3 22	10 22.76	+10 12.9	1.174	2.108	12.7	19.2
4 1	10 18.40	+10 31.7	1.236	2.110	17.3	19.5

155347 2007 BU_{31} 2 28.1 47°.96 1°.0/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.03	+ 6 9.1	1.481	2.296	17.2	19.7
2 1	11 0.77	+ 7 7.9	1.423	2.316	13.1	19.5
2 11	10 54.95	+ 8 24.0	1.387	2.338	8.5	19.2
2 21	10 47.32	+ 9 50.1	1.376	2.359	3.4	19.0
3 2	10 38.98	+11 16.7	1.393	2.381	2.2	19.0
3 12	10 31.18	+12 34.1	1.436	2.404	7.0	19.3
3 22	10 24.98	+13 35.4	1.505	2.426	11.4	19.6
4 1	10 21.10	+14 16.9	1.596	2.449	15.1	19.9

140364 2001 TD_{27} 2 28.1 65°.30 4°.8/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.19	+22 13.8	2.228	3.040	12.2	19.7
2 1	11 4.02	+22 50.5	2.158	3.046	9.5	19.5
2 11	10 56.75	+23 26.3	2.112	3.053	6.7	19.4
2 21	10 48.02	+23 55.3	2.094	3.059	4.9	19.2
3 2	10 38.69	+24 11.9	2.105	3.065	5.5	19.3
3 12	10 29.77	+24 12.5	2.144	3.072	7.9	19.5
3 22	10 22.12	+23 56.1	2.210	3.078	10.7	19.6
4 1	10 16.39	+23 23.6	2.298	3.085	13.3	19.8

432074 2008 YP_{112} 2 28.1 54°.84 1°.4/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.91	+ 9 40.6	1.946	2.753	14.0	21.6
2 1	11 0.88	+10 16.2	1.880	2.770	10.7	21.5
2 11	10 54.77	+11 1.6	1.837	2.786	6.8	21.3
2 21	10 47.20	+11 51.6	1.821	2.803	2.9	21.0
3 2	10 39.03	+12 40.3	1.834	2.821	2.2	21.0
3 12	10 31.26	+13 21.6	1.875	2.838	6.0	21.3
3 22	10 24.76	+13 51.4	1.942	2.856	9.7	21.6
4 1	10 20.15	+14 7.6	2.034	2.873	12.9	21.8

307425 2002 TA_{267} 2 28.1 141°.41 6°.5/22.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.65	+24 31.7	1.944	2.761	13.6	20.2
2 1	11 6.29	+25 39.4	1.880	2.768	10.7	20.1
2 11	10 58.43	+26 45.5	1.840	2.775	8.0	19.9
2 21	10 48.78	+27 41.3	1.827	2.782	6.5	19.8
3 2	10 38.39	+28 19.2	1.842	2.788	7.4	19.9
3 12	10 28.48	+28 34.2	1.884	2.794	9.9	20.1
3 22	10 20.10	+28 25.7	1.950	2.800	12.8	20.2
4 1	10 14.01	+27 55.5	2.038	2.805	15.4	20.4

498899 2008 YX_{172} 2 28.1 77°.72 1°.5/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 2.83	+ 8 58.3	2.180	2.982	12.8	21.2
2 1	10 59.13	+ 9 59.6	2.109	2.997	9.7	21.0
2 11	10 53.57	+11 11.6	2.062	3.011	6.2	20.8
2 21	10 46.68	+12 28.7	2.043	3.026	2.6	20.6
3 2	10 39.23	+13 44.2	2.054	3.040	2.4	20.6
3 12	10 32.08	+14 51.6	2.095	3.054	5.8	20.9
3 22	10 26.00	+15 46.1	2.162	3.069	9.2	21.1
4 1	10 21.58	+16 25.1	2.255	3.083	12.2	21.3

38876 2000 SX_{120} 2 28.1 22°.63 5°.5/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.77	+18 1.6	1.390	2.225	17.0	18.9
2 1	11 4.91	+19 1.8	1.324	2.228	13.1	18.6
2 11	10 57.97	+20 7.9	1.279	2.230	8.9	18.4
2 21	10 48.71	+21 10.0	1.259	2.233	5.8	18.2
3 2	10 38.41	+21 57.8	1.264	2.236	6.6	18.3
3 12	10 28.66	+22 23.4	1.295	2.239	10.4	18.5
3 22	10 20.77	+22 24.0	1.349	2.243	14.5	18.7
4 1	10 15.70	+22 0.5	1.423	2.247	18.2	19.0

135311 2001 SQ_{265} 2 28.1 43°.07 6°.2/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.76	+26 2.0	2.095	2.912	12.8	19.4
2 1	11 4.62	+26 48.3	2.032	2.919	10.1	19.2
2 11	10 57.21	+27 30.9	1.993	2.926	7.6	19.1
2 21	10 48.23	+28 2.8	1.981	2.934	6.3	19.0
3 2	10 38.63	+28 17.8	1.997	2.942	7.0	19.1
3 12	10 29.53	+28 12.5	2.040	2.950	9.3	19.2
3 22	10 21.84	+27 46.7	2.108	2.959	11.9	19.4
4 1	10 16.25	+27 2.3	2.197	2.967	14.3	19.6

204122 2003 XB_{7} 2 28.1 159°.34 0°.5/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.60	+ 7 29.9	3.141	3.916	9.9	21.1
2 1	10 59.90	+ 8 6.3	3.053	3.925	7.6	20.9
2 11	10 53.81	+ 8 50.5	2.992	3.934	4.9	20.8
2 21	10 46.73	+ 9 39.3	2.960	3.941	2.0	20.6
3 2	10 39.22	+10 28.9	2.959	3.948	1.1	20.5
3 12	10 31.87	+11 15.4	2.990	3.954	4.0	20.7
3 22	10 25.27	+11 55.5	3.052	3.960	6.8	20.9
4 1	10 19.87	+12 27.0	3.139	3.964	9.2	21.1

47658 2000 CL_{48} 2 28.1 30°.93 2°.2/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 0.65	− 2 5.7	1.799	2.577	16.1	18.9
2 1	10 57.90	− 1 29.1	1.719	2.584	12.8	18.7
2 11	10 52.99	− 0 30.3	1.661	2.592	9.0	18.5
2 21	10 46.51	+ 0 47.2	1.628	2.601	4.9	18.2
3 2	10 39.30	+ 2 17.3	1.622	2.610	2.2	18.1
3 12	10 32.38	+ 3 51.4	1.644	2.619	5.3	18.3
3 22	10 26.65	+ 5 20.9	1.694	2.629	9.4	18.6
4 1	10 22.85	+ 6 38.9	1.768	2.639	13.0	18.8

206877 2004 FF_{139} 2 28.1 249°.90 1°.3/26.8 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 3.72	+10 13.3	2.400	3.199	11.9	20.6
2 1	10 59.76	+10 46.8	2.309	3.195	9.1	20.5
2 11	10 53.99	+11 28.8	2.243	3.190	5.9	20.2
2 21	10 46.89	+12 15.0	2.204	3.186	2.5	20.0
3 2	10 39.14	+13 0.5	2.195	3.181	2.1	20.0
3 12	10 31.58	+13 40.4	2.215	3.177	5.4	20.2
3 22	10 24.95	+14 10.8	2.264	3.172	8.8	20.4
4 1	10 19.89	+14 29.2	2.337	3.168	11.7	20.6

322804 2001 RA_{69} 2 28.2 153°.99 1°.6/26.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.51	+12 12.2	2.401	3.189	12.2	21.7
2 1	11 5.58	+12 32.9	2.319	3.199	9.4	21.5
2 11	10 57.70	+12 59.4	2.263	3.208	6.1	21.3
2 21	10 48.43	+13 27.5	2.235	3.216	2.7	21.1
3 2	10 38.57	+13 52.8	2.238	3.223	2.3	21.0
3 12	10 29.02	+14 11.1	2.272	3.230	5.6	21.3
3 22	10 20.60	+14 19.7	2.334	3.236	8.9	21.5
4 1	10 13.95	+14 17.4	2.423	3.241	11.7	21.7

51353 2000 RQ_{14} 2 28.2 91°.32 3°.4/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.04	− 3 52.9	2.108	2.852	15.1	20.2
2 1	11 3.06	− 3 54.2	2.038	2.878	12.2	20.1
2 11	10 56.10	− 3 37.6	1.990	2.905	8.8	19.9
2 21	10 47.75	− 3 4.7	1.968	2.931	5.4	19.7
3 2	10 38.86	− 2 19.1	1.975	2.956	3.4	19.7
3 12	10 30.36	− 1 26.0	2.011	2.981	5.1	19.8
3 22	10 23.09	− 0 31.6	2.076	3.005	8.3	20.0
4 1	10 17.64	+ 0 19.0	2.166	3.029	11.3	20.3

489931 2008 RJ_{30} 2 28.2 214°.38 0°.9/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.48	+ 8 16.6	1.774	2.570	15.6	22.4
2 1	11 6.48	+ 8 41.4	1.681	2.563	12.1	22.2
2 11	10 58.83	+ 9 19.0	1.610	2.555	8.0	21.9
2 21	10 49.09	+10 4.6	1.565	2.547	3.3	21.6
3 2	10 38.28	+10 52.0	1.549	2.537	1.9	21.5
3 12	10 27.66	+11 34.1	1.561	2.527	6.7	21.8
3 22	10 18.42	+12 5.4	1.601	2.517	11.2	22.0
4 1	10 11.50	+12 22.5	1.664	2.505	15.2	22.2

500233 2012 JL_{7} 2 28.2 252°.90 1°.8/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 6.04	+ 0 41.5	2.315	3.078	13.4	22.5
2 1	11 1.78	+ 0 53.5	2.199	3.057	10.7	22.3
2 11	10 55.50	+ 1 20.3	2.107	3.036	7.5	22.1
2 21	10 47.63	+ 2 0.3	2.041	3.015	4.0	21.8
3 2	10 38.87	+ 2 50.0	2.005	2.993	1.8	21.6
3 12	10 30.10	+ 3 44.2	1.998	2.970	4.9	21.8
3 22	10 22.22	+ 4 37.6	2.021	2.947	8.6	22.0
4 1	10 15.97	+ 5 24.9	2.069	2.923	12.1	22.1

619 Triberga 2 28.2 148°.95 3°.5/ 2.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 3.86	− 5 52.3	1.924	2.673	16.2	14.4
2 1	11 0.29	− 5 24.3	1.835	2.678	13.2	14.2
2 11	10 54.56	− 4 32.5	1.766	2.682	9.7	14.0
2 21	10 47.21	− 3 18.9	1.723	2.686	6.0	13.7
3 2	10 39.07	− 1 48.1	1.707	2.689	3.5	13.6
3 12	10 31.15	− 0 8.3	1.720	2.693	5.4	13.7
3 22	10 24.40	+ 1 31.9	1.761	2.696	9.1	13.9
4 1	10 19.55	+ 3 4.2	1.828	2.698	12.7	14.2

483030 2015 DF_{138} 2 28.2 324°.45 21°.0/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.34	+44 40.0	0.966	1.806	22.3	19.9
2 1	11 9.96	+48 13.1	0.936	1.798	21.2	19.8
2 11	11 3.00	+51 17.8	0.923	1.789	21.2	19.7
2 21	10 51.34	+53 30.4	0.928	1.782	22.3	19.8
3 2	10 37.40	+54 33.8	0.947	1.775	24.3	19.9
3 12	10 24.58	+54 24.5	0.980	1.768	26.6	20.0
3 22	10 15.63	+53 10.8	1.024	1.763	28.8	20.1
4 1	10 11.89	+51 6.4	1.076	1.758	30.8	20.3

435966 2009 DQ_{62} 2 28.2 293°.20 1°.0/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 2.78	+ 8 33.4	2.237	3.036	12.6	21.7
2 1	10 59.29	+ 9 8.7	2.134	3.020	9.8	21.5
2 11	10 53.85	+ 9 55.0	2.055	3.003	6.4	21.2
2 21	10 46.91	+10 48.2	2.004	2.986	2.7	21.0
3 2	10 39.18	+11 43.0	1.981	2.969	1.8	20.9
3 12	10 31.55	+12 33.5	1.988	2.953	5.6	21.1
3 22	10 24.84	+13 14.8	2.022	2.936	9.3	21.3
4 1	10 19.78	+13 43.5	2.081	2.920	12.6	21.5

469259 2016 JA_{30} 2 28.2 248°.32 3°.2/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.32	+14 59.5	2.250	3.060	12.2	21.2
2 1	11 1.25	+15 58.5	2.155	3.047	9.4	21.0
2 11	10 55.13	+17 4.7	2.085	3.033	6.2	20.8
2 21	10 47.46	+18 12.1	2.043	3.020	3.5	20.6
3 2	10 38.98	+19 14.0	2.030	3.006	4.1	20.6
3 12	10 30.62	+20 4.1	2.047	2.992	7.1	20.8
3 22	10 23.28	+20 38.5	2.090	2.977	10.5	20.9
4 1	10 17.68	+20 55.3	2.157	2.962	13.5	21.1

221055 2005 QM_{130} 2 28.2 233°.73 2°.3/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.68	+12 11.1	2.071	2.874	13.4	21.2
2 1	11 3.20	+12 53.4	1.976	2.864	10.3	21.0
2 11	10 56.49	+13 44.6	1.905	2.853	6.7	20.8
2 21	10 48.06	+14 39.5	1.861	2.842	3.1	20.5
3 2	10 38.74	+15 31.4	1.847	2.830	3.1	20.5
3 12	10 29.59	+16 14.2	1.862	2.818	6.8	20.7
3 22	10 21.56	+16 43.5	1.904	2.805	10.5	20.9
4 1	10 15.46	+16 56.9	1.969	2.792	13.9	21.1

373225 2012 FM_{60} 2 28.2 282°.68 1°.6/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 3.11	+ 7 50.8	1.789	2.599	14.9	21.3
2 1	11 0.00	+ 8 54.6	1.698	2.589	11.5	21.0
2 11	10 54.55	+10 14.7	1.629	2.580	7.4	20.8
2 21	10 47.27	+11 44.8	1.587	2.570	3.1	20.5
3 2	10 39.05	+13 16.7	1.574	2.560	2.6	20.4
3 12	10 30.98	+14 41.0	1.588	2.551	7.0	20.7
3 22	10 24.11	+15 50.5	1.629	2.542	11.3	20.9
4 1	10 19.30	+16 40.4	1.693	2.532	15.1	21.1

204766 2006 KW_{3} 2 28.2 1°.45 0°.8/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.89	+ 7 22.2	1.471	2.285	17.4	20.8
2 1	11 3.30	+ 7 52.6	1.392	2.284	13.5	20.6
2 11	10 56.88	+ 8 39.2	1.335	2.284	8.8	20.3
2 21	10 48.30	+ 9 36.3	1.302	2.284	3.7	20.0
3 2	10 38.67	+10 36.2	1.295	2.284	2.1	19.9
3 12	10 29.38	+11 30.1	1.316	2.285	7.3	20.2
3 22	10 21.69	+12 11.2	1.361	2.285	12.1	20.5
4 1	10 16.54	+12 35.4	1.428	2.286	16.3	20.7

70316 1999 RQ_{139} 2 28.2 134°.36 0°.2/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.25	+ 5 53.7	2.037	2.821	14.3	21.3
2 1	11 4.17	+ 6 26.8	1.961	2.836	11.0	21.1
2 11	10 56.94	+ 7 12.7	1.908	2.850	7.2	20.9
2 21	10 48.18	+ 8 6.9	1.883	2.864	3.0	20.7
3 2	10 38.74	+ 9 3.7	1.887	2.876	1.3	20.6
3 12	10 29.67	+ 9 56.8	1.921	2.888	5.5	20.9
3 22	10 21.84	+10 41.2	1.983	2.900	9.3	21.1
4 1	10 15.96	+11 13.4	2.070	2.910	12.6	21.3

347009 2010 DF_{33} 2 28.2 125°.36 5°.3/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 8.31	− 8 44.3	2.520	3.224	13.9	20.4
2 1	11 3.20	− 9 33.6	2.425	3.229	11.7	20.3
2 11	10 56.23	−10 7.6	2.352	3.234	9.2	20.1
2 21	10 47.89	−10 24.9	2.305	3.239	6.8	20.0
3 2	10 38.85	−10 25.8	2.286	3.244	5.4	19.9
3 12	10 29.97	−10 12.6	2.297	3.248	6.0	19.9
3 22	10 22.02	− 9 49.1	2.335	3.253	8.1	20.1
4 1	10 15.65	− 9 20.1	2.400	3.257	10.6	20.2

433059 2012 TS_{16} 2 28.2 158°.25 3°.4/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.50	+18 49.4	2.609	3.414	10.9	21.7
2 1	11 2.47	+19 28.1	2.531	3.419	8.3	21.6
2 11	10 55.66	+20 8.5	2.479	3.423	5.7	21.4
2 21	10 47.60	+20 45.7	2.455	3.427	3.6	21.3
3 2	10 38.99	+21 14.8	2.462	3.430	4.1	21.3
3 12	10 30.66	+21 32.0	2.497	3.434	6.5	21.5
3 22	10 23.33	+21 35.4	2.561	3.437	9.2	21.6
4 1	10 17.59	+21 24.9	2.649	3.439	11.6	21.8

464635 1999 TB_{87} 2 28.2 190°.05 3°.3/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.17	− 6 23.0	2.793	3.512	12.3	22.5
2 1	10 59.87	− 6 10.3	2.688	3.511	10.1	22.3
2 11	10 53.98	− 5 41.5	2.606	3.509	7.6	22.2
2 21	10 46.91	− 4 57.4	2.551	3.506	5.0	22.0
3 2	10 39.25	− 4 0.5	2.526	3.502	3.3	21.9
3 12	10 31.70	− 2 55.2	2.531	3.498	4.4	21.9
3 22	10 24.93	− 1 46.6	2.566	3.494	7.0	22.1
4 1	10 19.49	− 0 39.7	2.629	3.488	9.7	22.2

16713 Airashi 2 28.2 101°.10 0°.9/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 3.14	+ 7 56.6	2.477	3.269	11.8	18.3
2 1	10 59.15	+ 8 42.7	2.402	3.283	9.0	18.1
2 11	10 53.50	+ 9 38.3	2.351	3.297	5.8	17.9
2 21	10 46.68	+10 39.3	2.329	3.311	2.4	17.7
3 2	10 39.35	+11 40.4	2.336	3.324	1.6	17.7
3 12	10 32.29	+12 36.4	2.374	3.337	4.9	17.9
3 22	10 26.15	+13 23.0	2.440	3.350	8.1	18.1
4 1	10 21.51	+13 57.7	2.531	3.363	10.9	18.3

238750 2005 GL_{174} 2 28.2 199°.75 1°.9/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 2.31	− 1 26.0	2.546	3.301	12.5	21.3
2 1	10 58.59	− 1 1.6	2.448	3.299	10.0	21.1
2 11	10 53.21	− 0 22.1	2.372	3.297	7.1	20.9
2 21	10 46.59	+ 0 30.6	2.324	3.294	3.9	20.7
3 2	10 39.38	+ 1 32.8	2.305	3.292	2.0	20.5
3 12	10 32.29	+ 2 39.4	2.316	3.288	4.3	20.7
3 22	10 26.04	+ 3 44.9	2.356	3.285	7.4	20.9
4 1	10 21.20	+ 4 44.6	2.423	3.281	10.4	21.1

35462 1998 DW_{23} 2 28.2 10°.49 1°.5/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 2.69	+ 7 54.5	1.641	2.457	15.7	18.9
2 1	10 59.76	+ 8 52.3	1.563	2.458	12.1	18.7
2 11	10 54.40	+10 5.9	1.508	2.459	7.8	18.4
2 21	10 47.20	+11 28.9	1.478	2.461	3.2	18.1
3 2	10 39.13	+12 52.5	1.476	2.463	2.6	18.1
3 12	10 31.37	+14 7.5	1.501	2.465	7.1	18.4
3 22	10 24.96	+15 7.1	1.551	2.468	11.5	18.6
4 1	10 20.72	+15 47.2	1.624	2.471	15.2	18.9

92971 2000 RR_{56} 2 28.2 64°.18 2°.0/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.91	+11 5.5	1.774	2.586	14.9	19.1
2 1	11 2.64	+11 44.9	1.710	2.602	11.4	18.9
2 11	10 56.05	+12 33.9	1.669	2.619	7.3	18.7
2 21	10 47.82	+13 26.4	1.654	2.636	3.2	18.5
3 2	10 38.93	+14 15.5	1.667	2.652	2.9	18.5
3 12	10 30.50	+14 54.8	1.708	2.669	6.8	18.8
3 22	10 23.51	+15 20.3	1.776	2.686	10.6	19.1
4 1	10 18.63	+15 30.1	1.866	2.703	14.0	19.3

293177 2007 AE_{4} 2 28.2 59°.14 3°.1/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.83	+ 0 37.4	1.615	2.393	17.6	20.2
2 1	11 5.85	+ 0 5.5	1.547	2.411	14.1	20.0
2 11	10 58.26	− 0 9.5	1.499	2.429	9.9	19.8
2 21	10 48.79	− 0 8.8	1.476	2.447	5.6	19.5
3 2	10 38.55	+ 0 4.6	1.480	2.465	3.2	19.4
3 12	10 28.81	+ 0 25.6	1.512	2.484	6.1	19.6
3 22	10 20.68	+ 0 48.5	1.570	2.503	10.2	19.9
4 1	10 14.95	+ 1 8.0	1.652	2.521	13.9	20.2

206968 2004 SO_{52} 2 28.2 90°.26 0°.1/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.46	+ 6 29.3	1.594	2.388	17.1	21.0
2 1	11 7.78	+ 6 43.0	1.534	2.414	13.2	20.8
2 11	10 59.44	+ 7 10.4	1.496	2.439	8.7	20.6
2 21	10 49.25	+ 7 46.7	1.483	2.464	3.7	20.4
3 2	10 38.39	+ 8 25.7	1.499	2.489	1.4	20.3
3 12	10 28.18	+ 9 0.9	1.543	2.512	6.3	20.6
3 22	10 19.71	+ 9 27.1	1.614	2.536	10.7	20.9
4 1	10 13.75	+ 9 41.4	1.708	2.558	14.4	21.2

229389 2005 SY_{79} 2 28.2 337°.65 0°.8/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 6.76	+ 7 13.4	1.275	2.099	19.0	21.0
2 1	11 3.65	+ 7 40.3	1.198	2.096	14.8	20.7
2 11	10 57.37	+ 8 25.6	1.141	2.092	9.7	20.4
2 21	10 48.60	+ 9 23.6	1.107	2.090	4.1	20.1
3 2	10 38.58	+10 25.3	1.098	2.087	2.2	20.0
3 12	10 28.91	+11 20.9	1.114	2.085	8.0	20.3
3 22	10 21.05	+12 2.3	1.155	2.083	13.4	20.6
4 1	10 16.07	+12 24.9	1.215	2.082	18.0	20.9

54729 2001 KQ_{13} 2 28.2 163°.43 1°.6/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.87	+ 9 51.5	2.314	3.107	12.5	19.6
2 1	11 2.20	+10 45.7	2.231	3.114	9.5	19.4
2 11	10 55.62	+11 49.6	2.173	3.119	6.1	19.2
2 21	10 47.63	+12 58.1	2.143	3.124	2.7	19.0
3 2	10 39.00	+14 5.0	2.144	3.129	2.4	19.0
3 12	10 30.60	+15 4.3	2.175	3.132	5.8	19.2
3 22	10 23.25	+15 51.6	2.234	3.135	9.2	19.4
4 1	10 17.58	+16 24.2	2.318	3.138	12.2	19.6

123511 2000 WP_{185} 2 28.2 54°.85 3°.4/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.53	+14 1.9	1.744	2.565	14.7	19.8
2 1	11 1.71	+15 1.3	1.679	2.577	11.2	19.6
2 11	10 55.52	+16 8.7	1.638	2.590	7.3	19.4
2 21	10 47.64	+17 16.6	1.624	2.603	3.9	19.2
3 2	10 39.04	+18 16.9	1.637	2.616	4.3	19.2
3 12	10 30.88	+19 2.7	1.678	2.629	7.9	19.5
3 22	10 24.15	+19 30.2	1.744	2.642	11.5	19.7
4 1	10 19.56	+19 38.2	1.832	2.655	14.7	20.0

163450 2002 RZ_{121} 2 28.2 143°.27 4°.1/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.02	+18 32.6	2.380	3.194	11.5	20.3
2 1	11 0.80	+19 41.4	2.307	3.199	8.8	20.1
2 11	10 54.70	+20 53.4	2.260	3.205	6.0	20.0
2 21	10 47.25	+22 2.4	2.241	3.210	4.2	19.9
3 2	10 39.19	+23 1.8	2.251	3.215	4.9	19.9
3 12	10 31.39	+23 46.6	2.291	3.220	7.4	20.1
3 22	10 24.64	+24 13.8	2.356	3.225	10.2	20.3
4 1	10 19.55	+24 23.1	2.445	3.229	12.7	20.4

431836 2008 SO_{26} 2 28.2 67°.63 3°.0/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.09	+16 11.0	1.909	2.717	14.2	21.3
2 1	11 6.46	+16 25.4	1.841	2.731	10.8	21.1
2 11	10 58.47	+16 43.0	1.797	2.745	7.1	20.9
2 21	10 48.84	+16 58.6	1.780	2.759	3.7	20.7
3 2	10 38.59	+17 6.8	1.792	2.773	3.7	20.7
3 12	10 28.85	+17 3.7	1.833	2.787	7.1	21.0
3 22	10 20.61	+16 47.6	1.900	2.801	10.6	21.2
4 1	10 14.57	+16 18.7	1.992	2.815	13.7	21.4

245708 2006 CD_{13} 2 28.2 239°.71 1°.7/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.17	+ 7 28.1	1.765	2.569	15.3	21.3
2 1	11 2.49	+ 8 37.6	1.668	2.557	11.9	21.1
2 11	10 56.30	+10 5.0	1.595	2.543	7.7	20.8
2 21	10 48.10	+11 44.0	1.547	2.530	3.3	20.5
3 2	10 38.81	+13 25.5	1.529	2.516	2.8	20.4
3 12	10 29.60	+14 59.5	1.539	2.501	7.3	20.7
3 22	10 21.62	+16 17.6	1.576	2.486	11.8	20.9
4 1	10 15.83	+17 15.0	1.636	2.470	15.8	21.1

256263 2006 WH_{66} 2 28.2 145°.73 0°.7/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.29	+ 7 4.7	2.131	2.920	13.5	21.2
2 1	11 2.65	+ 7 45.9	2.051	2.930	10.4	21.0
2 11	10 55.97	+ 8 39.0	1.995	2.939	6.8	20.7
2 21	10 47.80	+ 9 39.4	1.966	2.948	2.8	20.5
3 2	10 38.97	+10 41.1	1.967	2.956	1.6	20.4
3 12	10 30.43	+11 37.8	1.998	2.963	5.5	20.7
3 22	10 23.03	+12 24.7	2.057	2.970	9.2	20.9
4 1	10 17.45	+12 58.6	2.141	2.977	12.5	21.2

28607 Jiayipeng 2 28.2 277°.51 3°.5/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.25	− 1 0.2	1.504	2.287	18.5	17.9
2 1	11 3.79	− 1 13.4	1.405	2.272	15.0	17.7
2 11	10 57.42	− 1 5.6	1.327	2.257	10.9	17.4
2 21	10 48.67	− 0 37.0	1.271	2.242	6.3	17.1
3 2	10 38.56	+ 0 9.1	1.241	2.227	3.5	16.8
3 12	10 28.50	+ 1 5.7	1.238	2.212	6.8	17.0
3 22	10 19.85	+ 2 4.3	1.260	2.196	11.7	17.2
4 1	10 13.74	+ 2 56.8	1.304	2.181	16.3	17.4

247639 2002 VV_{55} 2 28.2 136°.62 0°.2/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.30	+ 7 5.7	2.283	3.062	13.1	21.3
2 1	11 4.74	+ 7 26.3	2.205	3.078	10.1	21.1
2 11	10 57.21	+ 7 56.9	2.152	3.093	6.6	20.9
2 21	10 48.30	+ 8 33.6	2.126	3.107	2.8	20.7
3 2	10 38.79	+ 9 12.0	2.131	3.120	1.2	20.6
3 12	10 29.62	+ 9 47.1	2.166	3.133	5.1	20.9
3 22	10 21.60	+10 15.1	2.230	3.145	8.6	21.1
4 1	10 15.36	+10 33.5	2.320	3.156	11.6	21.3

106328 2000 UV_{102} 2 28.2 219°.33 1°.2/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 3.43	+ 2 23.9	2.762	3.527	11.4	20.4
2 1	10 59.33	+ 2 35.0	2.661	3.522	9.0	20.3
2 11	10 53.64	+ 2 57.2	2.584	3.516	6.2	20.1
2 21	10 46.79	+ 3 28.4	2.534	3.510	3.1	19.9
3 2	10 39.37	+ 4 5.6	2.515	3.504	1.3	19.7
3 12	10 32.06	+ 4 44.7	2.526	3.497	4.0	19.9
3 22	10 25.53	+ 5 22.0	2.566	3.491	7.1	20.1
4 1	10 20.32	+ 5 54.0	2.633	3.484	9.9	20.3

432196 2009 DO_{68} 2 28.2 359°.65 3°.0/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 1.39	+12 5.9	2.166	2.980	12.5	20.9
2 1	10 58.24	+13 37.2	2.084	2.979	9.5	20.7
2 11	10 53.16	+15 19.3	2.028	2.979	6.1	20.5
2 21	10 46.65	+17 5.0	2.000	2.979	3.3	20.3
3 2	10 39.43	+18 46.0	2.003	2.979	4.0	20.3
3 12	10 32.40	+20 14.5	2.034	2.979	7.1	20.5
3 22	10 26.37	+21 25.1	2.092	2.979	10.4	20.7
4 1	10 22.03	+22 15.1	2.174	2.980	13.3	20.9

415903 2001 TB_{223} 2 28.2 116°.79 0°.6/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.25	+ 4 15.7	2.094	2.873	14.1	22.6
2 1	11 3.34	+ 4 34.5	2.019	2.889	11.0	22.4
2 11	10 56.38	+ 5 6.2	1.966	2.905	7.3	22.2
2 21	10 47.97	+ 5 47.4	1.941	2.920	3.3	22.0
3 2	10 38.93	+ 6 33.2	1.945	2.935	1.1	21.8
3 12	10 30.25	+ 7 18.1	1.979	2.949	5.1	22.2
3 22	10 22.77	+ 7 57.3	2.041	2.963	8.8	22.4
4 1	10 17.14	+ 8 27.1	2.128	2.977	12.0	22.6

495515 2014 UC_{223} 2 28.2 163°.74 6°.3/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.25	+25 44.2	2.196	3.005	12.5	21.0
2 1	11 6.56	+26 50.7	2.128	3.011	9.9	20.9
2 11	10 58.56	+27 54.7	2.086	3.016	7.5	20.7
2 21	10 48.92	+28 48.4	2.071	3.020	6.3	20.7
3 2	10 38.57	+29 25.0	2.084	3.024	7.2	20.7
3 12	10 28.63	+29 40.0	2.125	3.027	9.4	20.9
3 22	10 20.06	+29 32.7	2.192	3.030	12.0	21.0
4 1	10 13.58	+29 4.9	2.281	3.032	14.4	21.2

177577 2004 FW_{145} 2 28.2 267°.40 0°.8/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.43	+ 4 4.3	1.762	2.555	15.8	20.6
2 1	11 2.55	+ 4 17.3	1.672	2.550	12.4	20.4
2 11	10 56.23	+ 4 45.9	1.605	2.546	8.4	20.1
2 21	10 48.04	+ 5 27.0	1.562	2.542	3.9	19.9
3 2	10 38.90	+ 6 15.3	1.547	2.537	1.3	19.7
3 12	10 29.97	+ 7 4.1	1.560	2.533	5.9	20.0
3 22	10 22.34	+ 7 47.1	1.600	2.528	10.3	20.2
4 1	10 16.85	+ 8 19.4	1.663	2.524	14.2	20.4

312981 1999 RV_{123} 2 28.2 131°.80 0°.2/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.15	+ 6 44.6	1.815	2.607	15.4	21.7
2 1	11 5.19	+ 7 1.4	1.737	2.616	12.0	21.5
2 11	10 57.80	+ 7 30.7	1.682	2.625	7.9	21.3
2 21	10 48.64	+ 8 8.6	1.653	2.634	3.3	21.0
3 2	10 38.69	+ 8 49.3	1.652	2.642	1.4	20.9
3 12	10 29.11	+ 9 26.7	1.681	2.650	6.0	21.2
3 22	10 20.94	+ 9 55.9	1.737	2.657	10.2	21.5
4 1	10 14.95	+10 13.5	1.817	2.664	13.8	21.7

310181 2011 SM_{57} 2 28.2 175°.32 0°.5/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.42	+ 4 3.9	1.874	2.658	15.3	22.0
2 1	11 3.89	+ 4 32.9	1.787	2.661	12.0	21.8
2 11	10 57.00	+ 5 17.7	1.722	2.663	8.0	21.6
2 21	10 48.33	+ 6 14.5	1.684	2.664	3.6	21.3
3 2	10 38.80	+ 7 17.2	1.675	2.665	1.2	21.1
3 12	10 29.52	+ 8 18.6	1.695	2.665	5.8	21.4
3 22	10 21.51	+ 9 12.5	1.742	2.664	10.0	21.7
4 1	10 15.58	+ 9 54.1	1.813	2.663	13.7	21.9

503555 2016 FR_{47} 2 28.2 199°.20 1°.4/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.32	+ 9 14.7	2.134	2.933	13.2	22.2
2 1	11 1.26	+10 0.7	2.046	2.931	10.1	21.9
2 11	10 55.15	+10 57.6	1.982	2.929	6.5	21.7
2 21	10 47.51	+12 0.6	1.945	2.927	2.8	21.5
3 2	10 39.13	+13 3.3	1.937	2.924	2.3	21.4
3 12	10 30.96	+13 59.3	1.959	2.921	6.0	21.7
3 22	10 23.85	+14 43.8	2.009	2.918	9.7	21.9
4 1	10 18.53	+15 13.8	2.082	2.914	12.9	22.1

333774 2011 EJ_{53} 2 28.2 197°.73 0°.8/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 3.61	+ 6 59.9	2.416	3.205	12.1	21.2
2 1	10 59.71	+ 7 51.4	2.324	3.203	9.3	21.0
2 11	10 54.02	+ 8 54.7	2.256	3.200	6.1	20.8
2 21	10 47.00	+10 5.4	2.215	3.197	2.5	20.5
3 2	10 39.33	+11 17.9	2.206	3.194	1.6	20.4
3 12	10 31.82	+12 26.0	2.226	3.190	5.2	20.7
3 22	10 25.20	+13 24.8	2.275	3.186	8.6	20.9
4 1	10 20.12	+14 10.7	2.350	3.182	11.6	21.1

470409 2007 UK_{101} 2 28.2 156°.06 5°.9/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 3.36	−15 53.9	2.867	3.525	13.2	22.2
2 1	10 59.26	−16 10.1	2.769	3.531	11.5	22.1
2 11	10 53.59	−16 7.3	2.692	3.537	9.5	21.9
2 21	10 46.79	−15 44.8	2.638	3.543	7.5	21.8
3 2	10 39.43	−15 3.3	2.612	3.548	6.1	21.7
3 12	10 32.22	−14 6.0	2.614	3.552	6.1	21.7
3 22	10 25.79	−12 57.5	2.644	3.557	7.5	21.8
4 1	10 20.68	−11 43.5	2.701	3.560	9.4	21.9

363231 2001 XH_{14} 2 28.2 155°.06 5°.6/ 4.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.89	−10 19.2	2.421	3.117	14.5	21.2
2 1	11 3.74	−10 54.5	2.327	3.125	12.3	21.0
2 11	10 56.66	−11 12.0	2.255	3.132	9.8	20.9
2 21	10 48.13	−11 10.5	2.208	3.139	7.3	20.7
3 2	10 38.90	−10 50.7	2.189	3.145	5.7	20.6
3 12	10 29.85	−10 15.8	2.199	3.150	6.2	20.7
3 22	10 21.78	− 9 30.6	2.237	3.155	8.3	20.8
4 1	10 15.38	− 8 40.8	2.301	3.160	10.9	21.0

68485 2001 TD_{144} 2 28.2 276°.48 3°.4/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.92	+12 27.2	1.490	2.314	16.7	20.0
2 1	11 4.42	+13 21.3	1.396	2.295	12.9	19.7
2 11	10 57.90	+14 29.3	1.324	2.277	8.5	19.4
2 21	10 48.92	+15 43.7	1.277	2.258	4.2	19.1
3 2	10 38.54	+16 54.4	1.257	2.239	4.5	19.0
3 12	10 28.26	+17 51.4	1.263	2.220	9.2	19.3
3 22	10 19.49	+18 27.7	1.293	2.201	14.0	19.5
4 1	10 13.39	+18 40.5	1.344	2.181	18.3	19.7

77109 2001 DE_{73} 2 28.2 257°.78 1°.1/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.74	+ 3 51.2	1.736	2.526	16.1	19.9
2 1	11 3.67	+ 3 57.0	1.641	2.518	12.7	19.6
2 11	10 57.05	+ 4 18.3	1.569	2.509	8.7	19.4
2 21	10 48.44	+ 4 52.6	1.521	2.500	4.1	19.1
3 2	10 38.77	+ 5 34.9	1.501	2.491	1.5	18.9
3 12	10 29.26	+ 6 18.7	1.509	2.482	6.0	19.1
3 22	10 21.06	+ 6 57.8	1.544	2.472	10.6	19.4
4 1	10 15.09	+ 7 27.2	1.602	2.463	14.7	19.6

57447 2001 SQ_{58} 2 28.2 41°.81 2°.0/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.11	+11 4.8	1.713	2.526	15.3	18.9
2 1	11 3.07	+11 37.9	1.636	2.529	11.7	18.7
2 11	10 56.53	+12 21.3	1.582	2.532	7.6	18.5
2 21	10 48.15	+13 9.2	1.553	2.535	3.3	18.2
3 2	10 38.91	+13 54.7	1.552	2.538	2.9	18.2
3 12	10 30.04	+14 31.0	1.579	2.542	7.1	18.4
3 22	10 22.59	+14 53.5	1.632	2.545	11.2	18.7
4 1	10 17.37	+15 0.1	1.708	2.549	14.8	18.9

165846 2001 SE_{11} 2 28.2 125°.20 3°.4/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 2.83	− 5 55.1	2.532	3.263	13.2	20.4
2 1	10 58.97	− 5 47.5	2.442	3.271	10.8	20.2
2 11	10 53.45	− 5 23.1	2.373	3.280	8.0	20.0
2 21	10 46.74	− 4 42.8	2.331	3.287	5.2	19.9
3 2	10 39.47	− 3 49.6	2.318	3.295	3.4	19.7
3 12	10 32.39	− 2 48.0	2.334	3.303	4.6	19.8
3 22	10 26.19	− 1 43.4	2.379	3.310	7.3	20.0
4 1	10 21.42	− 0 41.1	2.451	3.317	10.0	20.2

128773 2004 RA_{195} 2 28.2 220°.44 0°.6/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.65	+ 4 27.3	2.390	3.165	12.7	21.0
2 1	11 2.11	+ 4 44.4	2.288	3.156	9.9	20.8
2 11	10 55.64	+ 5 13.4	2.209	3.147	6.7	20.6
2 21	10 47.73	+ 5 51.5	2.158	3.137	3.0	20.4
3 2	10 39.07	+ 6 34.7	2.136	3.126	1.0	20.2
3 12	10 30.52	+ 7 18.0	2.145	3.115	4.8	20.4
3 22	10 22.90	+ 7 56.9	2.183	3.104	8.4	20.6
4 1	10 16.88	+ 8 27.8	2.247	3.092	11.6	20.8

301814 2011 PJ_{3} 2 28.2 185°.87 4°.1/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 3.59	+20 55.0	2.925	3.735	9.7	21.0
2 1	10 59.45	+22 12.8	2.846	3.734	7.5	20.9
2 11	10 53.73	+23 32.5	2.794	3.734	5.4	20.7
2 21	10 46.85	+24 48.2	2.772	3.733	4.2	20.6
3 2	10 39.43	+25 54.4	2.780	3.731	4.9	20.7
3 12	10 32.15	+26 46.7	2.817	3.729	7.0	20.8
3 22	10 25.68	+27 22.5	2.881	3.727	9.2	21.0
4 1	10 20.56	+27 41.1	2.969	3.724	11.3	21.1

39315 2001 UA_{10} 2 28.2 70°.64 2°.7/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 1.81	+12 54.3	2.326	3.137	11.8	18.2
2 1	10 58.37	+14 8.4	2.249	3.143	9.0	18.1
2 11	10 53.15	+15 30.7	2.199	3.149	5.8	17.9
2 21	10 46.63	+16 54.8	2.176	3.155	3.1	17.7
3 2	10 39.52	+18 14.1	2.183	3.161	3.6	17.7
3 12	10 32.63	+19 22.2	2.220	3.167	6.5	17.9
3 22	10 26.71	+20 14.9	2.284	3.173	9.6	18.1
4 1	10 22.36	+20 50.1	2.372	3.180	12.3	18.3

419007 2009 PF_8 2 28.2 204°.48 1°.3/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 8.13	+ 2 31.2	2.289	3.056	13.4	22.0
2 1	11 3.30	+ 2 37.3	2.189	3.051	10.6	21.8
2 11	10 56.45	+ 2 56.2	2.113	3.046	7.3	21.6
2 21	10 48.08	+ 3 25.8	2.064	3.040	3.6	21.3
3 2	10 38.94	+ 4 2.6	2.044	3.033	1.5	21.2
3 12	10 29.94	+ 4 41.9	2.055	3.026	4.8	21.4
3 22	10 21.93	+ 5 18.8	2.095	3.019	8.5	21.6
4 1	10 15.64	+ 5 49.4	2.160	3.011	11.8	21.8

278688 2008 RL_{117} 2 28.2 203°.05 2°.3/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 3.88	− 1 46.8	2.255	3.013	13.8	21.4
2 1	11 0.05	− 1 27.9	2.158	3.010	11.1	21.2
2 11	10 54.33	− 0 51.9	2.083	3.008	7.9	20.9
2 21	10 47.17	− 0 0.9	2.035	3.005	4.5	20.7
3 2	10 39.30	+ 1 1.4	2.015	3.001	2.3	20.6
3 12	10 31.58	+ 2 9.2	2.025	2.998	4.7	20.7
3 22	10 24.81	+ 3 16.3	2.063	2.994	8.2	20.9
4 1	10 19.68	+ 4 17.2	2.128	2.989	11.5	21.1

57925 2002 FQ_{30} 2 28.2 163°.43 1°.8/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.60	− 0 19.2	2.056	2.819	14.8	19.9
2 1	11 3.03	+ 0 5.1	1.967	2.825	11.8	19.7
2 11	10 56.33	+ 0 47.1	1.901	2.830	8.2	19.5
2 21	10 48.03	+ 1 43.9	1.862	2.835	4.3	19.3
3 2	10 38.98	+ 2 50.9	1.851	2.839	1.9	19.1
3 12	10 30.16	+ 4 1.2	1.870	2.843	5.1	19.4
3 22	10 22.49	+ 5 8.3	1.918	2.845	9.0	19.6
4 1	10 16.70	+ 6 6.6	1.991	2.847	12.4	19.8

327953 2007 EQ_{81} 2 28.2 150°.41 0°.4/27.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.44	+ 6 49.4	2.104	2.895	13.6	22.0
2 1	11 2.07	+ 7 22.4	2.021	2.900	10.5	21.8
2 11	10 55.65	+ 8 7.3	1.961	2.906	6.9	21.6
2 21	10 47.73	+ 9 0.0	1.929	2.911	2.9	21.3
3 2	10 39.11	+ 9 54.8	1.926	2.915	1.4	21.2
3 12	10 30.75	+10 45.7	1.952	2.919	5.5	21.5
3 22	10 23.52	+11 27.9	2.006	2.923	9.2	21.8
4 1	10 18.10	+11 57.9	2.085	2.927	12.5	22.0

166773 2002 VZ_{17} 2 28.2 39°.48 1°.6/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 2.68	+ 1 2.1	1.923	2.705	15.0	19.7
2 1	10 59.32	+ 1 21.1	1.846	2.716	11.9	19.5
2 11	10 53.90	+ 1 56.9	1.791	2.727	8.1	19.3
2 21	10 46.99	+ 2 46.6	1.762	2.738	4.1	19.1
3 2	10 39.41	+ 3 45.0	1.760	2.749	1.7	18.9
3 12	10 32.13	+ 4 45.6	1.787	2.761	5.1	19.2
3 22	10 26.03	+ 5 42.2	1.842	2.773	9.0	19.4
4 1	10 21.76	+ 6 29.5	1.920	2.786	12.4	19.7

162710 2000 UU_{72} 2 28.2 55°.95 3°.8/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.41	+15 0.8	1.370	2.197	17.7	19.6
2 1	11 6.81	+15 35.4	1.310	2.210	13.5	19.4
2 11	10 59.15	+16 17.3	1.272	2.224	8.9	19.2
2 21	10 49.29	+16 58.3	1.258	2.238	4.6	18.9
3 2	10 38.55	+17 29.9	1.271	2.252	4.7	19.0
3 12	10 28.51	+17 45.4	1.310	2.266	8.9	19.3
3 22	10 20.44	+17 42.0	1.372	2.281	13.3	19.6
4 1	10 15.19	+17 19.8	1.456	2.296	17.0	19.8

350100 2011 OA_{22} 2 28.2 150°.94 5°.7/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.40	−14 3.5	3.119	3.775	12.3	22.0
2 1	11 2.21	−14 47.5	3.021	3.783	10.6	21.9
2 11	10 55.47	−15 16.1	2.945	3.791	8.7	21.7
2 21	10 47.61	−15 28.2	2.894	3.798	6.9	21.6
3 2	10 39.18	−15 23.7	2.872	3.805	5.8	21.6
3 12	10 30.87	−15 4.5	2.879	3.811	5.9	21.6
3 22	10 23.30	−14 33.9	2.914	3.817	7.2	21.7
4 1	10 17.02	−13 56.2	2.977	3.823	9.0	21.8

145517 2006 DX_{152} 2 28.2 272°.04 1°.3/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.47	+ 2 35.4	1.612	2.405	17.0	20.7
2 1	11 2.99	+ 2 50.8	1.513	2.390	13.5	20.5
2 11	10 56.80	+ 3 25.5	1.434	2.375	9.3	20.2
2 21	10 48.42	+ 4 16.8	1.380	2.359	4.5	19.9
3 2	10 38.81	+ 5 19.2	1.353	2.343	1.6	19.6
3 12	10 29.27	+ 6 24.5	1.354	2.327	6.4	19.9
3 22	10 21.05	+ 7 24.6	1.380	2.311	11.4	20.1
4 1	10 15.18	+ 8 12.8	1.429	2.295	15.8	20.3

63879 2001 RM_{142} 2 28.2 134°.10 6°.7/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.13	+26 28.6	2.248	3.061	12.2	20.1
2 1	11 4.89	+28 0.1	2.193	3.075	9.7	20.0
2 11	10 57.46	+29 28.6	2.163	3.089	7.5	19.9
2 21	10 48.48	+30 45.9	2.161	3.103	6.7	19.8
3 2	10 38.86	+31 44.4	2.188	3.116	7.6	19.9
3 12	10 29.64	+32 19.8	2.242	3.128	9.7	20.1
3 22	10 21.73	+32 31.1	2.321	3.140	12.1	20.2
4 1	10 15.82	+32 20.0	2.421	3.150	14.2	20.4

80192 1999 VS_{38} 2 28.2 8°.49 1°.4/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 6.69	+ 8 20.3	1.196	2.027	19.5	19.3
2 1	11 3.75	+ 8 50.5	1.125	2.027	15.1	19.0
2 11	10 57.52	+ 9 38.5	1.074	2.028	9.9	18.7
2 21	10 48.74	+10 37.7	1.046	2.029	4.1	18.4
3 2	10 38.73	+11 38.4	1.042	2.031	2.7	18.3
3 12	10 29.18	+12 30.1	1.063	2.033	8.4	18.7
3 22	10 21.57	+13 5.4	1.107	2.036	13.8	19.0
4 1	10 16.96	+13 20.5	1.171	2.039	18.4	19.2

64433 2001 VC_{15} 2 28.2 290°.39 1°.7/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.58	+10 34.8	1.441	2.260	17.4	18.9
2 1	11 5.74	+10 51.7	1.350	2.245	13.6	18.6
2 11	10 58.78	+11 20.9	1.279	2.230	8.9	18.3
2 21	10 49.32	+11 57.1	1.232	2.215	3.9	17.9
3 2	10 38.47	+12 32.7	1.212	2.200	2.8	17.8
3 12	10 27.78	+12 59.9	1.218	2.185	8.1	18.1
3 22	10 18.72	+13 13.0	1.249	2.170	13.2	18.3
4 1	10 12.41	+13 9.3	1.301	2.156	17.8	18.6

26980 1997 UQ_{10} 2 28.2 115°.07 0°.5/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.53	+ 6 28.6	2.160	2.946	13.5	19.9
2 1	11 2.73	+ 7 14.0	2.090	2.967	10.3	19.7
2 11	10 55.97	+ 8 11.4	2.043	2.986	6.7	19.5
2 21	10 47.83	+ 9 15.8	2.024	3.006	2.8	19.3
3 2	10 39.13	+10 21.3	2.035	3.024	1.5	19.2
3 12	10 30.78	+11 21.7	2.077	3.042	5.3	19.5
3 22	10 23.60	+12 12.0	2.146	3.060	8.9	19.8
4 1	10 18.20	+12 49.3	2.241	3.077	12.0	20.0

292849 2006 UG_{329} 2 28.2 259°.72 8°.9/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.96	+39 15.2	2.647	3.434	11.2	21.0
2 1	11 6.47	+40 34.9	2.574	3.416	9.9	20.9
2 11	10 58.63	+41 44.9	2.526	3.398	9.1	20.8
2 21	10 49.05	+42 37.4	2.504	3.379	9.1	20.7
3 2	10 38.63	+43 6.1	2.507	3.360	10.0	20.8
3 12	10 28.47	+43 7.8	2.535	3.340	11.5	20.8
3 22	10 19.59	+42 42.7	2.586	3.321	13.2	20.9
4 1	10 12.77	+41 53.7	2.654	3.301	14.8	21.0

242468 2004 SA_3 2 28.2 33°.37 4°.4/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.35	+17 54.7	1.604	2.430	15.6	20.1
2 1	11 4.88	+18 28.1	1.541	2.440	12.0	19.9
2 11	10 57.72	+19 4.9	1.500	2.450	8.0	19.7
2 21	10 48.65	+19 37.7	1.484	2.460	4.8	19.5
3 2	10 38.82	+19 59.3	1.496	2.471	5.2	19.6
3 12	10 29.55	+20 4.2	1.534	2.483	8.7	19.8
3 22	10 21.96	+19 50.9	1.597	2.495	12.4	20.0
4 1	10 16.83	+19 19.9	1.682	2.507	15.8	20.3

463302 2012 HS_{80} 2 28.2 251°.67 0°.4/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.64	+ 4 43.7	2.049	2.836	14.1	22.1
2 1	11 1.69	+ 5 7.6	1.948	2.824	11.0	21.9
2 11	10 55.58	+ 5 45.6	1.871	2.812	7.4	21.6
2 21	10 47.79	+ 6 34.5	1.820	2.800	3.3	21.4
3 2	10 39.11	+ 7 29.1	1.798	2.788	1.1	21.2
3 12	10 30.55	+ 8 23.3	1.805	2.775	5.5	21.4
3 22	10 23.04	+ 9 11.3	1.839	2.762	9.5	21.7
4 1	10 17.37	+ 9 48.5	1.898	2.749	13.2	21.9

294028 2007 TT_{125} 2 28.2 181°.34 1°.0/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.82	+ 7 54.4	2.039	2.830	14.0	21.7
2 1	11 4.04	+ 8 35.8	1.952	2.832	10.8	21.5
2 11	10 57.04	+ 9 29.4	1.888	2.833	7.0	21.3
2 21	10 48.38	+10 30.4	1.851	2.833	2.9	21.0
3 2	10 38.90	+11 32.5	1.844	2.832	1.9	20.9
3 12	10 29.66	+12 28.8	1.866	2.830	6.0	21.2
3 22	10 21.61	+13 14.3	1.917	2.828	9.9	21.4
4 1	10 15.50	+13 45.5	1.992	2.825	13.3	21.6

434301 2004 EP_{53} 2 28.2 6°.54 5°.6/24.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.57	+19 47.6	1.443	2.286	16.1	20.4
2 1	11 1.57	+20 29.9	1.381	2.287	12.5	20.1
2 11	10 55.75	+21 14.5	1.339	2.290	8.6	19.9
2 21	10 47.87	+21 53.0	1.322	2.295	5.8	19.8
3 2	10 39.12	+22 16.9	1.330	2.301	6.6	19.8
3 12	10 30.91	+22 20.2	1.363	2.308	10.0	20.0
3 22	10 24.42	+22 1.3	1.419	2.316	13.7	20.3
4 1	10 20.47	+21 21.6	1.496	2.326	17.1	20.5

130552 2000 RX_{13} 2 28.2 12°.11 8°.1/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.64	− 8 8.7	1.267	2.037	22.0	18.4
2 1	11 2.83	− 9 16.0	1.192	2.039	18.6	18.2
2 11	10 56.90	− 9 56.3	1.134	2.041	14.7	17.9
2 21	10 48.50	−10 5.7	1.097	2.045	10.7	17.7
3 2	10 38.84	− 9 44.2	1.081	2.049	8.3	17.6
3 12	10 29.50	− 8 57.2	1.090	2.054	9.2	17.7
3 22	10 21.92	− 7 54.2	1.121	2.060	12.6	17.9
4 1	10 17.19	− 6 46.6	1.174	2.067	16.6	18.1

118303 1998 *UG* 2 28.2 74°.46 11°.0/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 20.28	−13 46.4	1.462	2.162	22.4	17.4
2 1	11 13.63	−15 50.0	1.401	2.189	19.4	17.2
2 11	11 3.69	−17 26.8	1.357	2.216	16.1	17.1
2 21	10 51.29	−18 30.1	1.336	2.243	13.1	16.9
3 2	10 37.80	−18 56.2	1.338	2.269	11.2	16.9
3 12	10 24.90	−18 47.8	1.366	2.295	11.4	17.0
3 22	10 14.06	−18 13.0	1.418	2.321	13.4	17.2
4 1	10 6.29	−17 22.6	1.493	2.346	16.0	17.4

433830 2015 BR_{221} 2 28.2 145°.56 3°.2/25.1 17

1 22	11 6.95	+14 55.3	2.067	2.878	13.1	21.0
2 1	11 2.56	+15 46.7	1.990	2.882	10.0	20.8
2 11	10 56.02	+16 44.5	1.938	2.886	6.6	20.6
2 21	10 47.92	+17 42.4	1.912	2.890	3.6	20.5
3 2	10 39.11	+18 33.7	1.916	2.893	4.0	20.5
3 12	10 30.60	+19 12.4	1.949	2.897	7.2	20.7
3 22	10 23.30	+19 35.3	2.008	2.900	10.6	20.9
4 1	10 17.91	+19 41.2	2.090	2.903	13.6	21.1

272393 2005 SH_{288} 2 28.2 185°.88 1°.9/26.2 18

1 22	11 6.74	+10 58.3	2.280	3.077	12.5	21.9
2 1	11 2.23	+11 49.2	2.192	3.077	9.6	21.7
2 11	10 55.75	+12 49.2	2.130	3.077	6.2	21.5
2 21	10 47.80	+13 53.2	2.095	3.076	2.8	21.2
3 2	10 39.15	+14 55.0	2.090	3.074	2.7	21.2
3 12	10 30.70	+15 48.7	2.115	3.072	6.1	21.4
3 22	10 23.29	+16 30.0	2.168	3.069	9.5	21.6
4 1	10 17.59	+16 56.3	2.246	3.066	12.5	21.8

261904 2006 HN_{152} 2 28.2 280°.06 0°.3/27.9 16

1 22	11 7.32	+ 6 34.5	1.586	2.392	16.7	21.7
2 1	11 3.73	+ 6 55.5	1.488	2.375	13.1	21.4
2 11	10 57.34	+ 7 32.6	1.411	2.358	8.7	21.1
2 21	10 48.69	+ 8 21.8	1.358	2.340	3.7	20.8
3 2	10 38.76	+ 9 16.4	1.333	2.322	1.7	20.6
3 12	10 28.90	+10 8.3	1.334	2.305	7.0	20.9
3 22	10 20.42	+10 50.4	1.362	2.287	12.0	21.1
4 1	10 14.36	+11 17.8	1.411	2.269	16.4	21.3

65574 3229 $T\text{-}_2$ 2 28.2 119°.33 1°.2/27.2 18

1 22	11 9.89	+ 8 34.4	1.864	2.661	14.9	20.2
2 1	11 4.89	+ 9 14.3	1.794	2.677	11.4	20.0
2 11	10 57.56	+10 5.9	1.747	2.693	7.4	19.8
2 21	10 48.58	+11 3.5	1.727	2.709	3.1	19.6
3 2	10 38.91	+12 0.5	1.736	2.724	2.1	19.5
3 12	10 29.66	+12 50.1	1.774	2.738	6.3	19.8
3 22	10 21.80	+13 27.6	1.840	2.752	10.2	20.1
4 1	10 16.07	+13 50.3	1.929	2.765	13.6	20.3

519373 2011 OV_{60} 2 28.2 196°.43 4°.5/ 4.9 18

1 22	11 5.15	−10 34.9	3.171	3.855	11.6	22.5
2 1	11 0.51	−10 58.4	3.063	3.852	9.9	22.4
2 11	10 54.40	−11 7.6	2.976	3.848	7.8	22.3
2 21	10 47.19	−11 2.0	2.916	3.844	5.9	22.1
3 2	10 39.43	−10 42.3	2.885	3.839	4.6	22.0
3 12	10 31.73	−10 10.8	2.883	3.834	5.0	22.0
3 22	10 24.71	− 9 31.2	2.911	3.828	6.7	22.1
4 1	10 18.88	− 8 47.4	2.966	3.822	8.8	22.3

463271 2012 GU_{25} 2 28.2 326°.62 2°.6/ 1.4 17

1 22	11 2.41	− 0 46.9	1.561	2.352	17.6	21.4
2 1	10 59.84	− 0 38.0	1.469	2.341	14.2	21.2
2 11	10 54.70	− 0 6.8	1.397	2.332	10.1	20.9
2 21	10 47.53	+ 0 45.1	1.348	2.322	5.5	20.6
3 2	10 39.27	+ 1 52.5	1.326	2.313	2.7	20.4
3 12	10 31.17	+ 3 7.4	1.330	2.305	6.2	20.6
3 22	10 24.39	+ 4 20.6	1.359	2.297	10.9	20.9
4 1	10 19.89	+ 5 24.2	1.411	2.290	15.2	21.1

19541 1999 JA_{27} 2 28.2 191°.61 0°.2/28.4 18

1 22	11 8.51	+ 4 29.3	2.151	2.928	13.8	19.8
2 1	11 3.73	+ 5 2.7	2.056	2.926	10.8	19.6
2 11	10 56.83	+ 5 50.1	1.985	2.924	7.2	19.3
2 21	10 48.32	+ 6 47.9	1.941	2.921	3.2	19.1
3 2	10 39.00	+ 7 50.6	1.927	2.917	1.1	18.9
3 12	10 29.85	+ 8 51.9	1.943	2.912	5.3	19.2
3 22	10 21.79	+ 9 46.1	1.988	2.906	9.2	19.4
4 1	10 15.55	+10 29.0	2.058	2.900	12.6	19.6

298815 2004 RX_{60} 2 28.2 140°.59 2°.4/26.1 18

1 22	11 12.88	+12 51.1	2.016	2.813	13.9	21.9
2 1	11 7.04	+13 34.5	1.944	2.828	10.6	21.7
2 11	10 58.91	+14 25.2	1.896	2.843	6.9	21.5
2 21	10 49.15	+15 17.2	1.876	2.856	3.3	21.3
3 2	10 38.71	+16 4.1	1.886	2.869	3.2	21.3
3 12	10 28.69	+16 39.9	1.926	2.880	6.8	21.5
3 22	10 20.05	+17 1.4	1.994	2.891	10.4	21.8
4 1	10 13.50	+17 7.5	2.086	2.901	13.5	22.0

141097 2001 XN_{50} 2 28.2 186°.31 6°.6/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 6.71	+29 45.2	2.636	3.446	10.6	20.0
2 1	11 2.13	+31 2.7	2.569	3.445	8.7	19.8
2 11	10 55.63	+32 15.9	2.529	3.445	7.1	19.7
2 21	10 47.75	+33 18.0	2.516	3.444	6.6	19.7
3 2	10 39.25	+34 3.1	2.531	3.443	7.5	19.7
3 12	10 31.01	+34 27.3	2.573	3.442	9.3	19.9
3 22	10 23.83	+34 29.9	2.639	3.441	11.3	20.0
4 1	10 18.34	+34 12.0	2.726	3.439	13.1	20.1

203483 2002 AK_{52} 2 28.2 71°.08 1°.8/26.8 18

1 22	11 7.13	+ 8 14.2	1.414	2.232	17.7	20.1
2 1	11 3.47	+ 9 10.2	1.350	2.246	13.5	19.9
2 11	10 56.99	+10 22.6	1.308	2.259	8.7	19.6
2 21	10 48.44	+11 43.7	1.290	2.273	3.7	19.4
3 2	10 39.00	+13 3.5	1.299	2.286	2.9	19.4
3 12	10 30.09	+14 12.1	1.335	2.300	7.7	19.7
3 22	10 22.89	+15 2.8	1.395	2.313	12.4	20.0
4 1	10 18.26	+15 32.6	1.478	2.327	16.3	20.3

416230 2003 AB_{69} 2 28.2 355°.59 7°.4/21.9 17

1 22	10 59.73	+18 59.8	1.215	2.073	17.4	20.0
2 1	10 58.48	+20 42.7	1.151	2.067	13.5	19.8
2 11	10 54.12	+22 34.3	1.108	2.062	9.6	19.5
2 21	10 47.34	+24 21.3	1.089	2.059	7.4	19.4
3 2	10 39.40	+25 49.1	1.094	2.057	9.0	19.5
3 12	10 31.89	+26 46.8	1.121	2.056	12.7	19.7
3 22	10 26.20	+27 9.8	1.170	2.057	16.8	19.9
4 1	10 23.34	+26 59.0	1.236	2.059	20.4	20.1

420076 2011 EU_{32} 2 28.2 208°.38 1°.3/29.7 18

1 22	11 2.68	− 0 15.5	2.060	2.833	14.5	20.9
2 1	10 59.34	+ 0 30.6	1.967	2.832	11.5	20.7
2 11	10 53.99	+ 1 36.1	1.897	2.830	7.9	20.5
2 21	10 47.12	+ 2 57.6	1.852	2.828	4.0	20.3
3 2	10 39.49	+ 4 29.1	1.837	2.826	1.5	20.1
3 12	10 32.04	+ 6 2.9	1.851	2.824	5.0	20.3
3 22	10 25.61	+ 7 31.2	1.894	2.822	9.0	20.5
4 1	10 20.93	+ 8 47.9	1.962	2.820	12.5	20.8

472102 2014 AU_{29} 2 28.2 1°.32 10°.2/ 6.4 17

1 22	11 11.18	−16 39.1	2.048	2.714	17.7	19.7
2 1	11 6.19	−18 33.5	1.955	2.713	15.7	19.6
2 11	10 58.71	−20 8.7	1.882	2.712	13.6	19.4
2 21	10 49.25	−21 19.4	1.832	2.712	11.6	19.3
3 2	10 38.66	−22 1.6	1.806	2.713	10.3	19.2
3 12	10 28.09	−22 15.5	1.806	2.714	10.4	19.2
3 22	10 18.66	−22 4.5	1.831	2.716	11.8	19.3
4 1	10 11.30	−21 35.4	1.879	2.719	13.8	19.4

502999 2015 FE_{96} 2 28.2 50°.02 0°.8/28.9 17

1 22	11 8.62	+ 5 46.9	2.113	2.896	13.9	20.5
2 1	11 3.73	+ 5 34.2	2.029	2.901	10.8	20.3
2 11	10 56.76	+ 5 31.6	1.968	2.907	7.3	20.1
2 21	10 48.27	+ 5 36.6	1.934	2.913	3.4	19.9
3 2	10 39.09	+ 5 46.2	1.929	2.919	1.2	19.7
3 12	10 30.20	+ 5 56.3	1.954	2.925	5.0	20.0
3 22	10 22.48	+ 6 3.6	2.006	2.931	8.8	20.2
4 1	10 16.62	+ 6 5.2	2.084	2.938	12.0	20.5

421699 2014 PT_{10} 2 28.2 169°.38 1°.8/29.5 18

1 22	11 9.92	+ 2 31.7	1.692	2.475	16.7	21.4
2 1	11 5.34	+ 2 27.5	1.607	2.477	13.3	21.2
2 11	10 58.15	+ 2 39.4	1.542	2.478	9.2	20.9
2 21	10 48.97	+ 3 5.3	1.503	2.480	4.6	20.7
3 2	10 38.82	+ 3 40.7	1.492	2.480	1.9	20.5
3 12	10 28.94	+ 4 19.5	1.508	2.481	6.0	20.7
3 22	10 20.49	+ 4 55.5	1.551	2.481	10.4	21.0
4 1	10 14.36	+ 5 23.6	1.618	2.482	14.4	21.2

498876 2008 YD_{100} 2 28.2 64°.43 2°.4/25.7 18

1 22	11 3.98	+12 2.4	2.069	2.880	13.1	21.3
2 1	11 0.22	+12 58.9	2.000	2.892	10.0	21.2
2 11	10 54.46	+14 3.8	1.955	2.905	6.4	21.0
2 21	10 47.29	+15 11.1	1.937	2.918	3.1	20.8
3 2	10 39.51	+16 14.1	1.948	2.930	3.2	20.8
3 12	10 32.05	+17 6.6	1.989	2.943	6.5	21.0
3 22	10 25.75	+17 44.6	2.055	2.956	9.9	21.3
4 1	10 21.23	+18 6.1	2.146	2.969	12.9	21.5

370809 2004 TV_{241} 2 28.2 205°.72 6°.6/ 6.0 17

1 22	11 5.50	−13 32.5	2.321	3.007	15.3	21.0
2 1	11 1.40	−14 2.8	2.219	3.004	13.2	20.8
2 11	10 55.31	−14 12.3	2.137	3.000	10.8	20.6
2 21	10 47.72	−13 59.4	2.078	2.996	8.4	20.5
3 2	10 39.32	−13 24.3	2.045	2.992	6.8	20.3
3 12	10 31.01	−12 30.4	2.040	2.987	7.0	20.3
3 22	10 23.65	−11 23.3	2.063	2.982	8.9	20.4
4 1	10 17.95	−10 10.1	2.111	2.977	11.4	20.6

1302 Werra 2 28.2 53°.60 1°.3/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 4.54	+ 9 20.4	2.009	2.813	13.7	15.4
2 1	11 0.65	+ 9 57.4	1.941	2.829	10.4	15.3
2 11	10 54.73	+10 44.2	1.897	2.845	6.7	15.1
2 21	10 47.40	+11 36.0	1.879	2.862	2.8	14.8
3 2	10 39.48	+12 26.8	1.891	2.878	2.1	14.8
3 12	10 31.92	+13 10.7	1.931	2.895	5.8	15.1
3 22	10 25.56	+13 43.4	1.998	2.912	9.4	15.3
4 1	10 21.03	+14 2.7	2.089	2.929	12.6	15.6

373091 2011 FV_{134} 2 28.2 142°.22 0°.2/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.79	+ 6 53.2	2.220	3.007	13.1	21.3
2 1	11 2.26	+ 7 16.1	2.137	3.014	10.1	21.1
2 11	10 55.76	+ 7 49.7	2.077	3.020	6.7	20.9
2 21	10 47.85	+ 8 30.3	2.045	3.026	2.8	20.7
3 2	10 39.29	+ 9 13.1	2.042	3.032	1.2	20.5
3 12	10 30.99	+ 9 53.0	2.069	3.037	5.1	20.8
3 22	10 23.76	+10 25.7	2.124	3.042	8.7	21.0
4 1	10 18.26	+10 48.1	2.204	3.047	11.9	21.3

211817 2004 EN_6 2 28.2 237°.23 0°.1/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.83	+ 6 16.7	2.479	3.262	12.0	20.8
2 1	11 0.65	+ 6 32.7	2.381	3.256	9.4	20.6
2 11	10 54.69	+ 6 58.7	2.308	3.249	6.2	20.4
2 21	10 47.41	+ 7 31.7	2.262	3.243	2.7	20.1
3 2	10 39.47	+ 8 8.0	2.246	3.236	1.0	20.0
3 12	10 31.67	+ 8 42.9	2.260	3.229	4.6	20.2
3 22	10 24.76	+ 9 12.6	2.303	3.222	8.1	20.4
4 1	10 19.37	+ 9 34.1	2.371	3.215	11.1	20.6

147625 2004 HY_{42} 2 28.2 14°.18 0°.9/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.37	+ 8 15.4	1.566	2.379	16.5	19.6
2 1	11 2.77	+ 8 38.5	1.489	2.381	12.8	19.4
2 11	10 56.53	+ 9 15.2	1.433	2.383	8.3	19.1
2 21	10 48.30	+10 0.4	1.402	2.385	3.5	18.9
3 2	10 39.13	+10 47.2	1.398	2.387	2.0	18.8
3 12	10 30.32	+11 28.2	1.421	2.390	6.9	19.1
3 22	10 23.00	+11 57.6	1.470	2.393	11.4	19.3
4 1	10 18.05	+12 12.2	1.540	2.397	15.4	19.6

495393 2014 QB_{255} 2 28.2 229°.64 3°.7/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.78	+14 52.3	1.978	2.786	13.7	22.9
2 1	11 5.11	+15 56.9	1.882	2.773	10.6	22.7
2 11	10 57.99	+17 10.5	1.811	2.759	7.1	22.4
2 21	10 48.94	+18 25.9	1.767	2.744	4.0	22.2
3 2	10 38.87	+19 34.8	1.753	2.728	4.6	22.2
3 12	10 28.90	+20 29.7	1.768	2.712	8.1	22.4
3 22	10 20.13	+21 5.9	1.809	2.695	11.8	22.6
4 1	10 13.46	+21 21.4	1.872	2.677	15.2	22.7

328984 2010 WM_{14} 2 28.2 5°.29 8°.9/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 1.77	−13 54.7	1.509	2.239	20.7	20.4
2 1	10 59.46	−14 40.2	1.426	2.239	17.9	20.2
2 11	10 54.52	−14 55.6	1.360	2.239	14.7	19.9
2 21	10 47.51	−14 37.4	1.313	2.241	11.5	19.7
3 2	10 39.42	−13 45.6	1.290	2.243	9.2	19.6
3 12	10 31.56	−12 25.9	1.291	2.246	9.2	19.6
3 22	10 25.13	−10 48.1	1.315	2.249	11.6	19.8
4 1	10 21.07	− 9 4.1	1.363	2.254	14.8	20.0

89620 2001 XM_{193} 2 28.2 102°.59 0°.8/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.23	+ 6 5.0	1.644	2.443	16.5	19.7
2 1	11 4.66	+ 6 57.6	1.579	2.463	12.7	19.5
2 11	10 57.56	+ 8 6.2	1.537	2.483	8.2	19.3
2 21	10 48.67	+ 9 24.4	1.520	2.502	3.4	19.0
3 2	10 39.03	+10 43.8	1.532	2.521	1.9	19.0
3 12	10 29.89	+11 55.7	1.573	2.540	6.6	19.3
3 22	10 22.30	+12 53.6	1.640	2.557	10.9	19.6
4 1	10 17.01	+13 33.9	1.730	2.575	14.5	19.9

23236 2000 WX_{100} 2 28.2 173°.24 3°.2/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.90	+16 41.6	2.704	3.505	10.7	19.3
2 1	11 2.08	+17 41.5	2.623	3.509	8.1	19.1
2 11	10 55.53	+18 45.5	2.567	3.512	5.4	18.9
2 21	10 47.74	+19 48.2	2.541	3.514	3.4	18.8
3 2	10 39.38	+20 44.0	2.546	3.516	3.9	18.8
3 12	10 31.22	+21 28.3	2.581	3.517	6.3	19.0
3 22	10 23.97	+21 58.4	2.644	3.518	9.0	19.1
4 1	10 18.21	+22 13.1	2.731	3.518	11.4	19.3

382279 2012 TY_{225} 2 28.2 33°.59 4°.7/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.46	+20 53.7	2.172	2.988	12.4	20.5
2 1	11 2.91	+21 39.0	2.099	2.990	9.6	20.3
2 11	10 56.26	+22 25.2	2.050	2.993	6.7	20.1
2 21	10 48.09	+23 6.0	2.028	2.995	4.8	20.0
3 2	10 39.27	+23 35.2	2.035	2.998	5.4	20.1
3 12	10 30.78	+23 48.4	2.070	3.000	8.0	20.2
3 22	10 23.51	+23 44.0	2.130	3.003	10.9	20.4
4 1	10 18.13	+23 22.3	2.214	3.006	13.6	20.6

433170 2012 TW_{289} 2 28.2 152°.43 2°.9/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 6.71	+16 30.7	2.544	3.348	11.2	21.7
2 1	11 1.99	+17 7.6	2.464	3.352	8.5	21.6
2 11	10 55.49	+17 47.9	2.410	3.356	5.7	21.4
2 21	10 47.73	+18 26.7	2.384	3.360	3.2	21.2
3 2	10 39.41	+18 59.3	2.388	3.363	3.6	21.3
3 12	10 31.34	+19 21.6	2.422	3.367	6.2	21.4
3 22	10 24.26	+19 31.1	2.483	3.370	9.0	21.6
4 1	10 18.76	+19 27.3	2.569	3.372	11.6	21.8

322794 2001 QE_{207} 2 28.2 173°.40 0°.1/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.15	+ 3 36.4	2.139	2.920	13.8	21.6
2 1	11 1.16	+ 4 28.4	2.049	2.922	10.7	21.4
2 11	10 55.15	+ 5 36.3	1.984	2.924	7.1	21.1
2 21	10 47.65	+ 6 55.5	1.945	2.926	3.1	20.9
3 2	10 39.43	+ 8 20.0	1.937	2.927	1.1	20.7
3 12	10 31.39	+ 9 42.2	1.959	2.928	5.3	21.0
3 22	10 24.41	+10 55.7	2.009	2.928	9.1	21.3
4 1	10 19.17	+11 55.7	2.084	2.927	12.4	21.5

375494 2008 UH_{59} 2 28.2 147°.81 4°.1/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 3.52	− 7 50.3	2.317	3.042	14.4	21.9
2 1	10 59.76	− 7 42.1	2.224	3.047	11.9	21.7
2 11	10 54.16	− 7 14.0	2.152	3.052	9.1	21.5
2 21	10 47.21	− 6 26.8	2.105	3.056	6.1	21.3
3 2	10 39.61	− 5 23.4	2.087	3.061	4.2	21.2
3 12	10 32.19	− 4 9.0	2.097	3.065	5.1	21.3
3 22	10 25.72	− 2 50.2	2.136	3.068	7.9	21.4
4 1	10 20.83	− 1 33.4	2.202	3.072	10.9	21.6

337036 1995 UV_{26} 2 28.2 79°.71 1°.0/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.44	+ 8 49.4	2.326	3.121	12.4	21.0
2 1	11 0.31	+ 9 27.3	2.255	3.138	9.4	20.9
2 11	10 54.40	+10 14.3	2.209	3.155	6.1	20.7
2 21	10 47.26	+11 6.0	2.190	3.172	2.5	20.5
3 2	10 39.61	+11 57.1	2.202	3.189	1.8	20.5
3 12	10 32.27	+12 42.7	2.243	3.206	5.2	20.7
3 22	10 25.96	+13 18.7	2.311	3.223	8.4	20.9
4 1	10 21.24	+13 42.8	2.405	3.240	11.3	21.2

292787 2006 UM_{222} 2 28.2 230°.91 1°.7/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 3.48	+ 0 11.1	2.639	3.396	12.0	21.0
2 1	10 59.54	+ 0 22.5	2.535	3.389	9.6	20.8
2 11	10 53.94	+ 0 46.8	2.454	3.381	6.7	20.6
2 21	10 47.11	+ 1 22.5	2.401	3.373	3.7	20.4
3 2	10 39.65	+ 2 6.4	2.377	3.364	1.8	20.2
3 12	10 32.29	+ 2 54.1	2.383	3.355	4.2	20.4
3 22	10 25.71	+ 3 41.3	2.419	3.346	7.3	20.6
4 1	10 20.51	+ 4 23.7	2.480	3.337	10.3	20.7

297736 2001 WR_{96} 2 28.2 91°.56 4°.9/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 2.82	− 9 52.2	2.430	3.141	14.1	21.0
2 1	10 59.14	−10 2.9	2.338	3.147	11.9	20.9
2 11	10 53.72	− 9 54.6	2.267	3.153	9.3	20.7
2 21	10 47.01	− 9 27.2	2.221	3.160	6.7	20.5
3 2	10 39.70	− 8 42.6	2.202	3.166	5.0	20.4
3 12	10 32.56	− 7 44.9	2.212	3.172	5.5	20.5
3 22	10 26.32	− 6 39.7	2.249	3.178	7.8	20.6
4 1	10 21.58	− 5 33.1	2.313	3.184	10.4	20.8

7517 Alisondoane 2 28.2 69°.24 1°.7/27.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.79	+10 28.5	1.482	2.292	17.5	17.3
2 1	11 8.21	+10 52.9	1.432	2.321	13.3	17.1
2 11	10 59.85	+11 27.9	1.403	2.351	8.6	16.9
2 21	10 49.62	+12 6.9	1.399	2.381	3.6	16.7
3 2	10 38.77	+12 42.7	1.423	2.410	2.6	16.7
3 12	10 28.70	+13 8.9	1.475	2.440	7.2	17.0
3 22	10 20.55	+13 21.7	1.552	2.468	11.5	17.3
4 1	10 15.01	+13 20.0	1.652	2.497	15.1	17.6

402105 2003 XP_{12} 2 28.2 107°.46 1°.5/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.32	+ 3 25.9	1.883	2.655	15.7	21.2
2 1	11 7.48	+ 3 17.2	1.810	2.675	12.3	21.0
2 11	10 59.27	+ 3 21.9	1.760	2.694	8.4	20.8
2 21	10 49.39	+ 3 37.5	1.737	2.713	4.1	20.5
3 2	10 38.83	+ 4 0.2	1.743	2.732	1.7	20.4
3 12	10 28.73	+ 4 25.0	1.778	2.750	5.4	20.7
3 22	10 20.07	+ 4 47.1	1.842	2.767	9.4	21.0
4 1	10 13.59	+ 5 2.9	1.930	2.784	12.9	21.2

109716 2001 RM_{49} 2 28.2 289°.93 3°.4/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 1.81	− 5 13.7	2.257	3.002	14.2	20.2
2 1	10 58.55	− 5 1.5	2.158	2.997	11.6	20.0
2 11	10 53.45	− 4 30.3	2.080	2.993	8.6	19.8
2 21	10 46.94	− 3 41.1	2.028	2.988	5.5	19.6
3 2	10 39.73	− 2 37.1	2.003	2.984	3.4	19.4
3 12	10 32.65	− 1 24.0	2.008	2.979	4.9	19.5
3 22	10 26.48	− 0 8.2	2.040	2.974	8.1	19.7
4 1	10 21.90	+ 1 4.0	2.099	2.970	11.3	19.9

221052 2005 QK_{115} 2 28.2 34°.92 5°.4/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 19.16	+22 47.4	1.753	2.561	15.2	19.7
2 1	11 12.39	+22 59.1	1.677	2.562	12.0	19.5
2 11	11 2.70	+23 7.9	1.624	2.564	8.5	19.3
2 21	10 50.91	+23 6.8	1.598	2.566	5.7	19.1
3 2	10 38.27	+22 49.5	1.600	2.567	6.1	19.1
3 12	10 26.23	+22 13.0	1.631	2.569	9.1	19.3
3 22	10 16.05	+21 17.9	1.688	2.571	12.7	19.5
4 1	10 8.57	+20 7.2	1.768	2.573	16.0	19.8

133443 2003 SP_{216} 2 28.2 203°.64 4°.5/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.03	+19 56.8	2.142	2.956	12.6	19.8
2 1	11 3.43	+20 47.2	2.064	2.955	9.7	19.6
2 11	10 56.66	+21 39.7	2.011	2.954	6.8	19.4
2 21	10 48.31	+22 27.8	1.984	2.953	4.7	19.2
3 2	10 39.24	+23 4.8	1.987	2.952	5.4	19.3
3 12	10 30.46	+23 25.9	2.018	2.951	8.1	19.4
3 22	10 22.90	+23 28.8	2.075	2.949	11.1	19.6
4 1	10 17.25	+23 13.7	2.154	2.948	13.9	19.8

20304 Wolfson 2 28.3 293°.22 1°.4/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.45	+ 4 15.1	1.548	2.346	17.4	18.6
2 1	11 4.72	+ 4 6.0	1.449	2.329	13.8	18.3
2 11	10 58.10	+ 4 12.4	1.371	2.313	9.5	18.0
2 21	10 49.15	+ 4 32.4	1.318	2.296	4.6	17.7
3 2	10 38.87	+ 5 1.5	1.290	2.280	1.7	17.5
3 12	10 28.66	+ 5 33.4	1.290	2.264	6.6	17.7
3 22	10 19.85	+ 6 1.6	1.315	2.248	11.7	18.0
4 1	10 13.55	+ 6 20.8	1.363	2.232	16.2	18.2

402923 2007 TX_{151} 2 28.3 149°.31 1°.8/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.90	+ 1 7.3	1.977	2.744	15.2	21.9
2 1	11 4.90	+ 1 17.6	1.893	2.753	12.1	21.7
2 11	10 57.66	+ 1 43.9	1.831	2.762	8.3	21.5
2 21	10 48.76	+ 2 23.7	1.796	2.771	4.3	21.3
3 2	10 39.08	+ 3 12.5	1.790	2.778	1.8	21.1
3 12	10 29.70	+ 4 4.3	1.813	2.785	5.2	21.3
3 22	10 21.57	+ 4 53.0	1.865	2.792	9.2	21.6
4 1	10 15.44	+ 5 34.0	1.941	2.797	12.7	21.8

35264 1996 NM_5 2 28.3 232°.70 1°.5/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.24	+ 3 15.7	1.782	2.564	16.1	18.9
2 1	11 5.63	+ 3 13.2	1.685	2.555	12.8	18.6
2 11	10 58.43	+ 3 25.8	1.610	2.546	8.8	18.4
2 21	10 49.20	+ 3 51.2	1.560	2.537	4.3	18.1
3 2	10 38.88	+ 4 25.3	1.538	2.527	1.7	17.9
3 12	10 28.69	+ 5 2.2	1.544	2.517	5.9	18.1
3 22	10 19.80	+ 5 36.1	1.578	2.506	10.5	18.4
4 1	10 13.15	+ 6 2.0	1.635	2.495	14.5	18.6

507325 2011 SS_{90} 2 28.3 205°.41 2°.9/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 2.13	− 6 45.5	3.387	4.097	10.5	23.3
2 1	10 58.14	− 6 34.1	3.275	4.091	8.7	23.1
2 11	10 52.86	− 6 9.3	3.187	4.084	6.5	23.0
2 21	10 46.62	− 5 31.7	3.126	4.077	4.4	22.8
3 2	10 39.90	− 4 43.4	3.095	4.069	3.0	22.7
3 12	10 33.25	− 3 47.6	3.095	4.060	3.8	22.7
3 22	10 27.20	− 2 48.1	3.125	4.051	5.9	22.9
4 1	10 22.20	− 1 49.1	3.183	4.042	8.2	23.0

380344 2002 QY_{104} 2 28.3 69°.68 1°.7/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 2.59	− 0 32.6	2.065	2.836	14.5	21.1
2 1	10 59.20	+ 0 2.3	1.983	2.846	11.5	20.9
2 11	10 53.86	+ 0 55.2	1.925	2.856	8.0	20.7
2 21	10 47.11	+ 2 3.0	1.892	2.866	4.1	20.4
3 2	10 39.72	+ 3 20.1	1.888	2.876	1.7	20.3
3 12	10 32.58	+ 4 39.7	1.913	2.887	4.8	20.5
3 22	10 26.52	+ 5 54.9	1.966	2.897	8.5	20.8
4 1	10 22.17	+ 7 0.0	2.044	2.907	11.9	21.0

161267 2003 FD_{54} 2 28.3 291°.94 3°.8/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.96	− 0 48.9	1.466	2.251	18.8	20.1
2 1	11 4.47	− 1 15.1	1.371	2.238	15.3	19.8
2 11	10 58.02	− 1 21.4	1.295	2.225	11.1	19.5
2 21	10 49.14	− 1 7.7	1.242	2.213	6.6	19.2
3 2	10 38.90	− 0 36.6	1.215	2.200	3.8	19.0
3 12	10 28.72	+ 0 5.7	1.213	2.187	6.9	19.1
3 22	10 20.02	+ 0 51.6	1.237	2.175	11.8	19.4
4 1	10 13.92	+ 1 33.2	1.283	2.163	16.3	19.6

53535 2000 AH_{237} 2 28.3 91°.23 3°.4/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.63	− 1 56.9	1.749	2.516	16.9	17.8
2 1	11 3.47	− 2 8.8	1.667	2.523	13.7	17.6
2 11	10 56.88	− 2 1.6	1.606	2.530	9.9	17.4
2 21	10 48.48	− 1 36.3	1.569	2.537	5.8	17.2
3 2	10 39.20	− 0 56.5	1.560	2.544	3.4	17.0
3 12	10 30.23	− 0 8.2	1.578	2.550	5.8	17.2
3 22	10 22.60	+ 0 41.9	1.623	2.557	9.8	17.4
4 1	10 17.13	+ 1 27.4	1.692	2.564	13.5	17.7

31805 1999 NN_5 2 28.3 184°.91 8°.5/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 4.31	−21 28.8	2.647	3.267	14.9	17.8
2 1	11 0.35	−22 21.6	2.547	3.267	13.4	17.7
2 11	10 54.59	−22 53.5	2.466	3.267	11.7	17.5
2 21	10 47.45	−23 1.8	2.406	3.267	10.0	17.4
3 2	10 39.59	−22 45.4	2.371	3.266	8.8	17.3
3 12	10 31.81	−22 6.0	2.362	3.266	8.5	17.3
3 22	10 24.87	−21 8.0	2.378	3.266	9.3	17.4
4 1	10 19.44	−19 57.5	2.419	3.265	10.9	17.5

258350 2001 VL_{111} 2 28.3 144°.89 0°.3/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.40	+ 6 37.6	2.052	2.841	14.0	21.1
2 1	11 2.93	+ 7 3.9	1.969	2.847	10.8	20.9
2 11	10 56.34	+ 7 42.1	1.910	2.853	7.1	20.7
2 21	10 48.19	+ 8 28.3	1.877	2.859	3.0	20.5
3 2	10 39.33	+ 9 17.1	1.874	2.864	1.3	20.3
3 12	10 30.75	+10 2.5	1.900	2.868	5.5	20.6
3 22	10 23.32	+10 39.9	1.954	2.873	9.3	20.9
4 1	10 17.78	+11 5.8	2.032	2.877	12.7	21.1

96833 1999 RL_{195} 2 28.3 222°.90 5°.3/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.67	− 9 25.8	2.497	3.199	14.0	20.1
2 1	11 2.97	− 9 57.8	2.387	3.189	11.9	19.9
2 11	10 56.34	−10 13.0	2.298	3.179	9.4	19.7
2 21	10 48.23	−10 10.4	2.234	3.169	6.9	19.6
3 2	10 39.30	− 9 50.2	2.198	3.158	5.4	19.4
3 12	10 30.40	− 9 15.5	2.191	3.146	6.0	19.5
3 22	10 22.36	− 8 30.7	2.213	3.134	8.3	19.6
4 1	10 15.87	− 7 41.4	2.261	3.122	11.0	19.7

24134 Cliffordkim 2 28.3 313°.07 0°.4/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.58	+ 6 13.1	1.541	2.351	16.9	19.3
2 1	11 2.35	+ 6 41.1	1.455	2.344	13.2	19.0
2 11	10 56.42	+ 7 26.0	1.390	2.338	8.7	18.8
2 21	10 48.37	+ 8 23.1	1.349	2.331	3.7	18.4
3 2	10 39.24	+ 9 25.2	1.335	2.325	1.6	18.3
3 12	10 30.33	+10 23.7	1.348	2.319	6.9	18.6
3 22	10 22.86	+11 11.3	1.387	2.314	11.7	18.8
4 1	10 17.80	+11 43.2	1.447	2.308	15.9	19.1

366385 2000 WB_{177} 2 28.3 98°.81 2°.9/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.28	+13 37.2	2.032	2.841	13.4	21.5
2 1	11 2.78	+14 34.4	1.966	2.857	10.2	21.3
2 11	10 56.18	+15 38.6	1.925	2.874	6.6	21.1
2 21	10 48.09	+16 43.4	1.911	2.890	3.4	20.9
3 2	10 39.39	+17 41.9	1.927	2.906	3.7	21.0
3 12	10 31.08	+18 28.1	1.971	2.921	6.9	21.2
3 22	10 24.03	+18 58.5	2.042	2.937	10.3	21.4
4 1	10 18.88	+19 11.8	2.136	2.952	13.2	21.7

419552 2010 OF_{118} 2 28.3 102°.63 4°.5/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.96	+18 57.4	1.823	2.636	14.5	21.9
2 1	11 7.39	+19 38.9	1.759	2.650	11.2	21.7
2 11	10 59.31	+20 22.6	1.718	2.663	7.6	21.5
2 21	10 49.46	+21 1.2	1.705	2.677	4.8	21.4
3 2	10 38.91	+21 27.7	1.719	2.690	5.3	21.5
3 12	10 28.90	+21 37.3	1.762	2.703	8.4	21.7
3 22	10 20.48	+21 28.4	1.831	2.715	11.8	21.9
4 1	10 14.40	+21 2.1	1.922	2.728	14.8	22.1

328654 2009 SQ_{252} 2 28.3 268°.94 0°.8/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.61	+ 6 53.6	1.900	2.700	14.5	21.8
2 1	11 1.14	+ 7 37.5	1.804	2.690	11.3	21.5
2 11	10 55.39	+ 8 36.1	1.732	2.679	7.4	21.3
2 21	10 47.89	+ 9 44.9	1.685	2.668	3.1	21.0
3 2	10 39.45	+10 57.0	1.668	2.656	1.8	20.9
3 12	10 31.14	+12 4.6	1.678	2.645	6.2	21.1
3 22	10 23.97	+13 1.4	1.716	2.634	10.5	21.3
4 1	10 18.74	+13 42.9	1.777	2.622	14.2	21.5

417815 2007 EL_{217} 2 28.3 48°.29 1°.5/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.36	+10 14.9	1.624	2.437	16.0	20.9
2 1	11 4.12	+10 35.4	1.556	2.448	12.3	20.6
2 11	10 57.31	+11 6.3	1.510	2.460	8.0	20.4
2 21	10 48.65	+11 42.4	1.489	2.472	3.4	20.2
3 2	10 39.21	+12 17.1	1.496	2.484	2.4	20.1
3 12	10 30.24	+12 44.1	1.530	2.496	6.8	20.4
3 22	10 22.83	+12 59.1	1.590	2.509	11.1	20.7
4 1	10 17.73	+13 0.1	1.673	2.522	14.7	21.0

347690 2001 VN_{38} 2 28.3 119°.44 0°.5/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.71	+ 4 7.9	1.841	2.621	15.7	22.4
2 1	11 6.32	+ 4 36.0	1.771	2.642	12.2	22.2
2 11	10 58.57	+ 5 19.2	1.724	2.663	8.1	22.0
2 21	10 49.15	+ 6 13.1	1.703	2.683	3.6	21.7
3 2	10 39.03	+ 7 11.6	1.711	2.701	1.2	21.6
3 12	10 29.37	+ 8 7.8	1.749	2.719	5.6	21.9
3 22	10 21.14	+ 8 55.8	1.815	2.736	9.8	22.2
4 1	10 15.09	+ 9 31.8	1.905	2.753	13.3	22.5

190096 2004 TY_{192} 2 28.3 168°.48 0°.1/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 5.46	+ 5 22.7	2.150	2.937	13.5	21.1
2 1	11 1.39	+ 5 54.5	2.063	2.939	10.5	20.9
2 11	10 55.32	+ 6 39.2	1.998	2.940	6.9	20.7
2 21	10 47.78	+ 7 33.0	1.961	2.942	3.0	20.4
3 2	10 39.53	+ 8 30.7	1.953	2.943	1.1	20.3
3 12	10 31.49	+ 9 26.2	1.975	2.944	5.2	20.6
3 22	10 24.51	+10 14.2	2.024	2.945	9.0	20.8
4 1	10 19.26	+10 51.0	2.099	2.945	12.3	21.0

280204 2002 TH_{147} 2 28.3 128°.98 3°.5/ 3.4 18

1 22	11 3.82	− 6 13.2	2.507	3.235	13.3	20.9
2 1	10 59.82	− 6 5.7	2.418	3.245	11.0	20.8
2 11	10 54.13	− 5 40.9	2.351	3.255	8.2	20.6
2 21	10 47.23	− 5 0.0	2.310	3.265	5.3	20.4
3 2	10 39.75	− 4 5.7	2.297	3.274	3.5	20.3
3 12	10 32.48	− 3 2.9	2.314	3.283	4.6	20.4
3 22	10 26.10	− 1 56.9	2.361	3.291	7.3	20.6
4 1	10 21.18	− 0 53.2	2.433	3.299	10.1	20.8

412553 2014 NP_{33} 2 28.3 147°.38 0°.5/28.7 18

1 22	11 7.31	+ 2 59.5	1.830	2.615	15.6	22.0
2 1	11 3.13	+ 3 42.0	1.749	2.622	12.2	21.7
2 11	10 56.62	+ 4 42.2	1.689	2.630	8.2	21.5
2 21	10 48.38	+ 5 55.8	1.656	2.636	3.7	21.2
3 2	10 39.31	+ 7 15.8	1.652	2.642	1.2	21.1
3 12	10 30.54	+ 8 34.1	1.677	2.648	5.7	21.4
3 22	10 23.06	+ 9 43.4	1.729	2.653	10.0	21.7
4 1	10 17.64	+10 38.7	1.806	2.658	13.7	21.9

26669 2001 BW_{44} 2 28.3 316°.48 1°.8/26.5 18

1 22	11 1.00	+ 7 43.9	1.817	2.630	14.6	18.7
2 1	10 58.48	+ 8 56.4	1.724	2.617	11.2	18.5
2 11	10 53.72	+10 25.8	1.653	2.604	7.3	18.2
2 21	10 47.20	+12 6.1	1.610	2.592	3.1	17.9
3 2	10 39.75	+13 48.3	1.594	2.580	2.8	17.9
3 12	10 32.42	+15 22.9	1.607	2.569	7.0	18.1
3 22	10 26.21	+16 41.9	1.646	2.558	11.2	18.3
4 1	10 21.96	+17 40.6	1.708	2.547	14.9	18.5

241053 2006 SV_{54} 2 28.3 157°.29 1°.3/26.6 17

1 22	11 3.86	+10 24.7	2.899	3.689	10.3	21.6
2 1	10 59.62	+11 6.1	2.814	3.695	7.8	21.4
2 11	10 53.89	+11 54.3	2.755	3.701	5.1	21.3
2 21	10 47.10	+12 45.7	2.725	3.706	2.2	21.1
3 2	10 39.82	+13 35.8	2.726	3.711	1.9	21.1
3 12	10 32.73	+14 20.4	2.757	3.716	4.7	21.3
3 22	10 26.41	+14 56.4	2.817	3.720	7.5	21.4
4 1	10 21.39	+15 21.6	2.903	3.724	10.0	21.6

86955 2000 HK_{96} 2 28.3 243°.02 3°.3/25.4 18

1 22	11 7.75	+12 2.0	1.623	2.441	15.8	19.8
2 1	11 4.03	+13 10.8	1.535	2.431	12.2	19.5
2 11	10 57.55	+14 33.3	1.469	2.421	8.0	19.2
2 21	10 48.91	+16 1.8	1.430	2.410	4.0	19.0
3 2	10 39.10	+17 26.3	1.418	2.399	4.4	18.9
3 12	10 29.46	+18 36.8	1.433	2.387	8.6	19.2
3 22	10 21.24	+19 26.8	1.474	2.375	13.0	19.4
4 1	10 15.44	+19 53.3	1.536	2.363	16.9	19.6

8809 Roversimonaco 2 28.3 101°.88 3°.1/ 2.9 18

1 22	11 5.94	− 5 16.3	2.326	3.060	14.1	18.6
2 1	11 1.46	− 4 56.0	2.251	3.085	11.4	18.4
2 11	10 55.18	− 4 17.5	2.198	3.109	8.3	18.3
2 21	10 47.67	− 3 22.7	2.172	3.132	5.2	18.1
3 2	10 39.63	− 2 15.6	2.175	3.155	3.1	18.0
3 12	10 31.92	− 1 2.1	2.208	3.178	4.6	18.1
3 22	10 25.24	+ 0 11.8	2.270	3.200	7.6	18.4
4 1	10 20.18	+ 1 20.4	2.358	3.221	10.5	18.6

468990 2015 AO_{159} 2 28.3 90°.29 2°.7/25.6 18

1 22	11 4.81	+12 10.6	1.983	2.795	13.6	21.0
2 1	11 1.05	+13 13.1	1.908	2.801	10.3	20.8
2 11	10 55.17	+14 25.1	1.858	2.808	6.7	20.6
2 21	10 47.74	+15 39.9	1.834	2.815	3.3	20.4
3 2	10 39.59	+16 50.2	1.840	2.821	3.5	20.4
3 12	10 31.74	+17 49.0	1.874	2.828	7.0	20.6
3 22	10 25.08	+18 31.8	1.935	2.834	10.5	20.9
4 1	10 20.31	+18 56.4	2.019	2.841	13.6	21.1

73553 2003 QH_{30} 2 28.3 228°.65 3°.8/24.1 18

1 22	11 7.43	+17 57.9	2.425	3.232	11.5	20.5
2 1	11 2.84	+18 53.9	2.332	3.221	8.9	20.3
2 11	10 56.27	+19 54.1	2.265	3.209	6.1	20.1
2 21	10 48.22	+20 52.5	2.226	3.198	3.9	19.9
3 2	10 39.40	+21 43.1	2.217	3.185	4.6	19.9
3 12	10 30.73	+22 20.4	2.237	3.172	7.2	20.1
3 22	10 23.04	+22 41.4	2.285	3.159	10.2	20.2
4 1	10 17.03	+22 45.3	2.356	3.145	12.9	20.4

465668 2009 SG_{76} 2 28.3 211°.67 4°.6/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 8.68	+19 25.9	2.116	2.930	12.8	21.8
2 1	11 4.05	+20 26.1	2.034	2.925	9.9	21.6
2 11	10 57.17	+21 29.6	1.977	2.921	6.9	21.4
2 21	10 48.62	+22 29.4	1.947	2.915	4.8	21.3
3 2	10 39.26	+23 18.2	1.946	2.910	5.5	21.3
3 12	10 30.15	+23 50.4	1.973	2.904	8.3	21.5
3 22	10 22.25	+24 3.3	2.026	2.898	11.4	21.6
4 1	10 16.30	+23 56.6	2.102	2.891	14.3	21.8

122504 2000 QU_{196} 2 28.3 175°.75 0°.4/27.9 18

1 22	11 11.51	+ 7 23.2	2.008	2.793	14.4	21.0
2 1	11 6.20	+ 7 44.9	1.920	2.796	11.2	20.7
2 11	10 58.57	+ 8 18.1	1.856	2.798	7.4	20.5
2 21	10 49.22	+ 8 58.7	1.819	2.800	3.1	20.2
3 2	10 39.04	+ 9 41.3	1.811	2.801	1.4	20.1
3 12	10 29.12	+10 20.1	1.834	2.801	5.8	20.4
3 22	10 20.45	+10 50.5	1.884	2.800	9.8	20.6
4 1	10 13.81	+11 9.3	1.959	2.798	13.3	20.9

316265 2010 PT_{9} 2 28.3 131°.04 0°.6/28.9 18

1 22	11 8.19	+ 3 15.4	1.965	2.744	14.9	21.1
2 1	11 3.59	+ 3 46.7	1.886	2.757	11.6	20.9
2 11	10 56.81	+ 4 33.5	1.831	2.769	7.8	20.7
2 21	10 48.44	+ 5 31.7	1.802	2.781	3.6	20.4
3 2	10 39.36	+ 6 35.7	1.803	2.793	1.1	20.3
3 12	10 30.60	+ 7 38.6	1.832	2.804	5.3	20.6
3 22	10 23.08	+ 8 34.4	1.890	2.814	9.3	20.8
4 1	10 17.52	+ 9 18.6	1.973	2.823	12.8	21.1

241482 2009 BV_{91} 2 28.3 263°.04 0°.3/28.0 17

1 22	11 4.41	+ 6 49.2	2.516	3.300	11.8	21.1
2 1	11 0.44	+ 7 14.8	2.407	3.283	9.2	20.9
2 11	10 54.68	+ 7 50.7	2.323	3.266	6.1	20.7
2 21	10 47.54	+ 8 33.9	2.267	3.248	2.6	20.4
3 2	10 39.67	+ 9 20.1	2.240	3.230	1.1	20.3
3 12	10 31.86	+10 4.4	2.244	3.211	4.8	20.5
3 22	10 24.86	+10 42.6	2.276	3.193	8.3	20.7
4 1	10 19.34	+11 11.3	2.333	3.174	11.4	20.8

114373 2002 XT_{100} 2 28.3 268°.32 6°.4/21.0 18

1 22	11 6.67	+26 5.2	2.266	3.084	11.9	19.3
2 1	11 2.45	+27 18.6	2.191	3.078	9.5	19.2
2 11	10 56.08	+28 30.4	2.142	3.073	7.3	19.0
2 21	10 48.14	+29 33.0	2.120	3.067	6.4	19.0
3 2	10 39.46	+30 19.3	2.126	3.061	7.4	19.0
3 12	10 31.04	+30 44.5	2.159	3.056	9.5	19.1
3 22	10 23.78	+30 47.2	2.216	3.050	12.0	19.3
4 1	10 18.41	+30 28.2	2.294	3.045	14.3	19.4

406389 2007 TZ_{3} 2 28.3 69°.71 0°.6/27.9 18

1 22	11 11.32	+ 8 18.6	1.483	2.291	17.5	21.3
2 1	11 6.59	+ 8 29.8	1.418	2.306	13.5	21.1
2 11	10 59.03	+ 8 53.8	1.374	2.322	8.8	20.8
2 21	10 49.44	+ 9 25.6	1.355	2.337	3.7	20.6
3 2	10 39.01	+ 9 58.7	1.363	2.353	1.8	20.5
3 12	10 29.15	+10 26.2	1.399	2.368	6.8	20.8
3 22	10 21.05	+10 43.4	1.460	2.384	11.5	21.1
4 1	10 15.54	+10 47.6	1.543	2.399	15.4	21.4

42807 1999 JM_{12} 2 28.3 174°.00 2°.6/ 2.1 18

1 22	11 7.07	− 3 49.1	2.177	2.921	14.7	20.1
2 1	11 2.64	− 3 16.7	2.083	2.925	11.9	19.9
2 11	10 56.18	− 2 24.2	2.010	2.928	8.5	19.7
2 21	10 48.20	− 1 13.8	1.964	2.931	4.9	19.5
3 2	10 39.45	+ 0 9.8	1.947	2.932	2.6	19.4
3 12	10 30.89	+ 1 39.7	1.960	2.933	4.9	19.5
3 22	10 23.38	+ 3 8.5	2.003	2.932	8.5	19.7
4 1	10 17.61	+ 4 29.5	2.072	2.931	11.9	19.9

258399 2001 XU_{111} 2 28.3 350°.31 2°.5/ 1.3 18

1 22	10 56.24	− 0 49.8	1.240	2.058	19.7	19.1
2 1	10 55.66	− 0 32.4	1.157	2.046	15.9	18.8
2 11	10 52.31	+ 0 13.4	1.093	2.036	11.2	18.5
2 21	10 46.73	+ 1 25.2	1.050	2.027	6.0	18.2
3 2	10 39.98	+ 2 56.1	1.031	2.020	2.6	18.0
3 12	10 33.44	+ 4 34.5	1.036	2.015	6.8	18.2
3 22	10 28.43	+ 6 8.1	1.065	2.012	12.2	18.5
4 1	10 25.98	+ 7 26.4	1.114	2.010	17.0	18.8

309081 2006 VE_{57} 2 28.3 187°.19 0°.5/28.8 16

1 22	11 7.20	+ 3 54.6	2.086	2.866	14.1	21.4
2 1	11 2.84	+ 4 21.2	1.994	2.865	11.1	21.2
2 11	10 56.36	+ 5 2.1	1.926	2.865	7.4	20.9
2 21	10 48.29	+ 5 54.0	1.884	2.863	3.4	20.7
3 2	10 39.42	+ 6 51.6	1.872	2.862	1.1	20.5
3 12	10 30.75	+ 7 48.8	1.889	2.860	5.2	20.8
3 22	10 23.18	+ 8 39.8	1.934	2.857	9.2	21.0
4 1	10 17.43	+ 9 20.4	2.004	2.854	12.6	21.2

280172 2002 RA_{38} 2 28.3 224°.71 1°.7/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 11.89	+ 3 15.1	1.539	2.328	17.9	21.1
2 1	11 7.33	+ 3 7.7	1.448	2.322	14.2	20.8
2 11	10 59.80	+ 3 17.1	1.377	2.316	9.8	20.6
2 21	10 49.92	+ 3 41.1	1.331	2.309	4.9	20.3
3 2	10 38.79	+ 4 15.1	1.312	2.302	1.9	20.0
3 12	10 27.84	+ 4 52.5	1.321	2.294	6.6	20.3
3 22	10 18.44	+ 5 26.5	1.356	2.286	11.6	20.6
4 1	10 11.64	+ 5 51.6	1.413	2.278	16.0	20.8

309772 2008 YD_{98} 2 28.3 145°.79 2°.9/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.63	+12 54.9	2.017	2.818	13.8	22.2
2 1	11 5.45	+13 57.8	1.944	2.831	10.5	22.0
2 11	10 58.03	+15 9.1	1.896	2.843	6.8	21.8
2 21	10 48.97	+16 22.0	1.875	2.854	3.5	21.6
3 2	10 39.19	+17 28.9	1.885	2.865	3.7	21.6
3 12	10 29.77	+18 23.2	1.924	2.874	7.1	21.8
3 22	10 21.65	+19 0.9	1.990	2.883	10.6	22.1
4 1	10 15.56	+19 20.5	2.080	2.890	13.7	22.3

332400 2007 JE_{33} 2 28.3 229°.85 4°.1/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.66	+18 51.1	2.476	3.285	11.3	21.3
2 1	11 2.25	+19 58.4	2.384	3.274	8.7	21.2
2 11	10 55.90	+21 9.8	2.318	3.261	6.0	21.0
2 21	10 48.09	+22 19.0	2.280	3.248	4.2	20.8
3 2	10 39.51	+23 19.5	2.272	3.235	5.0	20.8
3 12	10 31.06	+24 5.8	2.293	3.221	7.5	21.0
3 22	10 23.55	+24 34.7	2.341	3.206	10.3	21.1
4 1	10 17.67	+24 45.2	2.413	3.191	13.0	21.3

355854 2008 UM_{182} 2 28.3 93°.22 0°.5/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.48	+ 3 32.4	1.512	2.308	17.8	21.6
2 1	11 5.12	+ 4 4.1	1.446	2.326	13.9	21.4
2 11	10 58.06	+ 4 54.8	1.401	2.344	9.3	21.2
2 21	10 49.04	+ 5 59.3	1.381	2.361	4.1	20.9
3 2	10 39.19	+ 7 9.9	1.388	2.378	1.3	20.8
3 12	10 29.85	+ 8 17.7	1.423	2.395	6.4	21.2
3 22	10 22.17	+ 9 15.2	1.484	2.412	11.0	21.5
4 1	10 16.96	+ 9 57.6	1.568	2.428	15.0	21.7

336453 2008 UO_{342} 2 28.3 191°.36 0°.4/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.87	+ 4 28.8	2.245	3.027	13.2	22.2
2 1	11 0.90	+ 4 54.3	2.154	3.026	10.3	22.0
2 11	10 55.00	+ 5 32.7	2.086	3.026	6.9	21.8
2 21	10 47.69	+ 6 20.6	2.045	3.025	3.1	21.6
3 2	10 39.68	+ 7 13.3	2.033	3.023	1.0	21.4
3 12	10 31.85	+ 8 5.4	2.051	3.022	4.9	21.7
3 22	10 25.01	+ 8 51.6	2.097	3.020	8.6	21.9
4 1	10 19.82	+ 9 28.3	2.169	3.019	11.8	22.1

208476 2001 UB_{127} 2 28.3 148°.53 2°.7/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 2.33	− 3 55.8	2.536	3.279	12.9	20.3
2 1	10 58.72	− 3 38.1	2.442	3.282	10.4	20.1
2 11	10 53.46	− 3 4.1	2.370	3.286	7.6	19.9
2 21	10 47.00	− 2 15.3	2.325	3.289	4.6	19.7
3 2	10 39.95	− 1 15.1	2.309	3.291	2.7	19.6
3 12	10 33.07	− 0 8.5	2.322	3.294	4.3	19.7
3 22	10 27.02	+ 0 59.2	2.365	3.297	7.3	19.9
4 1	10 22.38	+ 2 2.7	2.434	3.299	10.1	20.1

167592 2004 BR_{106} 2 28.3 339°.18 2°.1/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 2.76	+10 57.0	1.969	2.782	13.6	19.7
2 1	10 59.59	+11 48.6	1.884	2.778	10.4	19.5
2 11	10 54.31	+12 51.0	1.822	2.773	6.7	19.2
2 21	10 47.44	+13 58.3	1.788	2.769	3.1	19.0
3 2	10 39.78	+15 3.6	1.781	2.765	3.0	19.0
3 12	10 32.34	+16 0.0	1.803	2.762	6.7	19.2
3 22	10 26.00	+16 42.3	1.851	2.759	10.4	19.4
4 1	10 21.52	+17 7.7	1.922	2.756	13.7	19.6

422634 2401 $T\text{-}_{3}$ 2 28.3 136°.61 2°.5/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.49	+14 1.8	2.103	2.902	13.3	21.8
2 1	11 6.00	+14 35.4	2.029	2.914	10.2	21.6
2 11	10 58.32	+15 14.7	1.979	2.925	6.7	21.4
2 21	10 49.09	+15 54.4	1.957	2.936	3.3	21.2
3 2	10 39.20	+16 28.5	1.965	2.946	3.3	21.2
3 12	10 29.69	+16 52.1	2.002	2.956	6.6	21.5
3 22	10 21.48	+17 2.6	2.067	2.965	10.0	21.7
4 1	10 15.24	+16 58.8	2.156	2.974	13.0	21.9

495421 2014 SW_{154} 2 28.3 192°.53 2°.5/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.57	− 2 6.5	2.120	2.873	14.8	23.0
2 1	11 3.14	− 1 51.3	2.022	2.871	11.9	22.8
2 11	10 56.59	− 1 18.0	1.947	2.869	8.5	22.6
2 21	10 48.42	− 0 28.2	1.897	2.866	4.9	22.4
3 2	10 39.42	+ 0 34.0	1.876	2.862	2.5	22.2
3 12	10 30.57	+ 1 42.5	1.886	2.858	5.1	22.4
3 22	10 22.78	+ 2 50.8	1.923	2.853	8.8	22.6
4 1	10 16.80	+ 3 52.8	1.986	2.847	12.3	22.8

496110 2009 WK_{82} 2 28.3 156°.60 1°.8/ 1.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 7.51	+ 0 0.8	2.672	3.420	12.1	22.9
2 1	11 2.53	+ 0 10.9	2.581	3.429	9.7	22.8
2 11	10 55.87	+ 0 33.7	2.514	3.438	6.8	22.6
2 21	10 48.02	+ 1 7.3	2.475	3.446	3.7	22.4
3 2	10 39.61	+ 1 48.4	2.466	3.453	1.8	22.3
3 12	10 31.39	+ 2 33.0	2.489	3.460	4.1	22.4
3 22	10 24.05	+ 3 16.7	2.541	3.466	7.2	22.6
4 1	10 18.16	+ 3 55.7	2.620	3.471	10.0	22.8

60845 2000 HP_{62} 2 28.3 111°.66 4°.4/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.40	+15 30.8	1.607	2.425	15.9	18.9
2 1	11 6.55	+16 41.7	1.546	2.441	12.1	18.7
2 11	10 58.98	+18 0.0	1.508	2.457	8.1	18.5
2 21	10 49.45	+19 16.6	1.496	2.472	4.7	18.3
3 2	10 39.10	+20 22.0	1.512	2.486	5.3	18.4
3 12	10 29.30	+21 8.6	1.555	2.500	8.9	18.7
3 22	10 21.18	+21 32.8	1.624	2.514	12.7	18.9
4 1	10 15.56	+21 34.8	1.714	2.527	16.1	19.2

270852 2002 TB_{35} 2 28.3 139°.10 1°.2/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.74	+ 9 29.8	1.992	2.787	14.1	21.5
2 1	11 4.79	+10 0.7	1.914	2.797	10.9	21.3
2 11	10 57.62	+10 41.7	1.860	2.806	7.0	21.1
2 21	10 48.83	+11 27.9	1.833	2.815	3.0	20.9
3 2	10 39.32	+12 13.2	1.835	2.823	2.1	20.8
3 12	10 30.14	+12 51.9	1.867	2.831	6.0	21.1
3 22	10 22.24	+13 19.7	1.926	2.838	9.9	21.3
4 1	10 16.34	+13 34.2	2.009	2.845	13.2	21.6

359069 2008 YH_{118} 2 28.3 74°.76 1°.0/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.37	+ 8 36.1	2.168	2.964	13.1	21.5
2 1	11 1.19	+ 9 12.3	2.099	2.982	10.0	21.3
2 11	10 55.11	+ 9 58.3	2.054	3.000	6.5	21.1
2 21	10 47.71	+10 49.4	2.036	3.018	2.7	20.9
3 2	10 39.75	+11 40.2	2.048	3.036	1.8	20.9
3 12	10 32.14	+12 25.1	2.089	3.054	5.4	21.2
3 22	10 25.64	+13 0.2	2.157	3.071	8.8	21.4
4 1	10 20.85	+13 23.0	2.251	3.089	11.8	21.6

341505 2007 TV_{405} 2 28.3 139°.34 2°.4/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 3.87	− 2 24.1	2.625	3.370	12.4	21.4
2 1	10 59.80	− 2 12.4	2.534	3.378	10.0	21.2
2 11	10 54.12	− 1 46.3	2.467	3.385	7.2	21.0
2 21	10 47.28	− 1 7.3	2.427	3.393	4.2	20.9
3 2	10 39.90	− 0 18.7	2.416	3.400	2.4	20.7
3 12	10 32.69	+ 0 35.1	2.435	3.407	4.1	20.9
3 22	10 26.33	+ 1 29.4	2.484	3.413	7.1	21.1
4 1	10 21.36	+ 2 19.7	2.559	3.419	9.8	21.3

326983 2004 PJ_{4} 2 28.3 230°.45 1°.4/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.90	− 0 25.3	2.476	3.231	12.8	22.0
2 1	11 0.87	+ 0 12.5	2.364	3.218	10.2	21.8
2 11	10 55.01	+ 1 6.9	2.275	3.203	7.1	21.5
2 21	10 47.74	+ 2 15.4	2.214	3.188	3.7	21.3
3 2	10 39.71	+ 3 33.6	2.183	3.172	1.5	21.1
3 12	10 31.71	+ 4 55.5	2.183	3.155	4.5	21.3
3 22	10 24.52	+ 6 14.9	2.213	3.138	8.0	21.5
4 1	10 18.83	+ 7 26.3	2.269	3.120	11.3	21.6

194245 2001 TZ_{190} 2 28.3 83°.69 2°.2/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.09	+11 30.8	1.447	2.261	17.6	20.2
2 1	11 8.03	+11 57.9	1.385	2.278	13.5	20.0
2 11	11 0.02	+12 35.5	1.345	2.295	8.7	19.7
2 21	10 49.91	+13 16.6	1.330	2.312	3.9	19.5
3 2	10 38.95	+13 53.6	1.342	2.328	3.1	19.5
3 12	10 28.64	+14 19.5	1.381	2.345	7.7	19.8
3 22	10 20.21	+14 30.2	1.446	2.361	12.2	20.1
4 1	10 14.49	+14 24.7	1.532	2.377	16.1	20.4

367533 2009 QK_{50} 2 28.3 127°.64 0°.2/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.09	+ 5 47.8	2.434	3.212	12.4	22.8
2 1	11 2.31	+ 6 25.4	2.358	3.229	9.6	22.6
2 11	10 55.77	+ 7 14.0	2.305	3.246	6.3	22.5
2 21	10 47.98	+ 8 9.7	2.281	3.262	2.6	22.2
3 2	10 39.66	+ 9 7.4	2.288	3.278	1.1	22.1
3 12	10 31.62	+10 1.8	2.325	3.293	4.7	22.4
3 22	10 24.58	+10 48.7	2.392	3.307	8.0	22.7
4 1	10 19.13	+11 24.9	2.484	3.321	10.9	22.9

365112 2009 CU_{23} 2 28.3 313°.45 3°.0/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.75	+ 0 49.9	1.472	2.263	18.4	21.0
2 1	11 4.24	+ 0 30.0	1.383	2.255	14.9	20.7
2 11	10 57.84	+ 0 28.9	1.313	2.248	10.6	20.4
2 21	10 49.13	+ 0 45.7	1.266	2.240	5.9	20.1
3 2	10 39.18	+ 1 16.9	1.246	2.233	3.0	19.9
3 12	10 29.40	+ 1 56.1	1.251	2.226	6.6	20.1
3 22	10 21.14	+ 2 35.8	1.282	2.220	11.5	20.4
4 1	10 15.42	+ 3 9.4	1.335	2.213	15.9	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
372679 2009 WW_{134}			2 28.3 120°.42		0°.4/27.9 17	
	h m	° ′			°	m
1 22	11 8.07	+ 7 49.4	2.017	2.810	14.1	21.8
2 1	11 3.52	+ 8 6.3	1.935	2.816	10.9	21.6
2 11	10 56.80	+ 8 33.8	1.877	2.821	7.1	21.3
2 21	10 48.50	+ 9 8.0	1.845	2.827	3.0	21.1
3 2	10 39.47	+ 9 44.0	1.843	2.832	1.4	21.0
3 12	10 30.73	+10 16.2	1.869	2.837	5.6	21.3
3 22	10 23.20	+10 40.5	1.923	2.842	9.4	21.5
4 1	10 17.59	+10 54.1	2.001	2.847	12.8	21.7
392717 2012 HM_{65}			2 28.3 165°.80		5°.4/21.6 16	
1 22	11 8.22	+24 3.9	2.540	3.349	11.0	21.8
2 1	11 3.33	+25 21.4	2.470	3.355	8.7	21.7
2 11	10 56.53	+26 38.4	2.427	3.359	6.5	21.6
2 21	10 48.34	+27 48.0	2.412	3.363	5.4	21.5
3 2	10 39.53	+28 43.7	2.426	3.367	6.3	21.5
3 12	10 30.97	+29 21.2	2.469	3.370	8.3	21.7
3 22	10 23.46	+29 38.5	2.538	3.372	10.7	21.8
4 1	10 17.65	+29 36.4	2.629	3.374	12.8	22.0
283151 2009 AD_{8}			2 28.3 313°.12		5°.0/ 4.0 17	
1 22	11 4.91	− 7 26.5	2.205	2.933	15.0	20.3
2 1	11 1.06	− 7 55.2	2.107	2.930	12.5	20.1
2 11	10 55.21	− 8 5.8	2.030	2.927	9.7	19.9
2 21	10 47.84	− 7 57.9	1.978	2.924	6.9	19.7
3 2	10 39.69	− 7 32.6	1.953	2.921	5.1	19.6
3 12	10 31.66	− 6 53.5	1.955	2.918	5.9	19.6
3 22	10 24.61	− 6 6.0	1.986	2.915	8.6	19.8
4 1	10 19.25	− 5 16.0	2.041	2.913	11.5	20.0
142510 2002 TM_{37}			2 28.3 72°.10		0°.8/28.9 18	
1 22	11 6.65	+ 2 59.8	1.639	2.432	16.8	20.2
2 1	11 2.79	+ 3 28.6	1.570	2.448	13.1	20.0
2 11	10 56.48	+ 4 15.5	1.522	2.463	8.8	19.8
2 21	10 48.39	+ 5 16.1	1.499	2.479	4.0	19.5
3 2	10 39.54	+ 6 23.4	1.504	2.494	1.3	19.4
3 12	10 31.11	+ 7 29.3	1.537	2.510	5.9	19.7
3 22	10 24.13	+ 8 26.9	1.597	2.526	10.3	20.0
4 1	10 19.37	+ 9 11.2	1.679	2.541	14.0	20.3
407489 2010 VN_{48}			2 28.3 114°.41		4°.4/24.1 18	
1 22	11 9.59	+17 53.2	1.968	2.782	13.6	21.0
2 1	11 4.72	+18 58.6	1.904	2.797	10.4	20.8
2 11	10 57.58	+20 7.9	1.865	2.811	7.1	20.6
2 21	10 48.82	+21 13.5	1.854	2.825	4.6	20.5
3 2	10 39.39	+22 7.8	1.871	2.839	5.3	20.6
3 12	10 30.39	+22 45.1	1.916	2.852	8.2	20.8
3 22	10 22.76	+23 2.9	1.987	2.865	11.3	21.0
4 1	10 17.20	+23 1.2	2.081	2.878	14.2	21.2
462657 2009 SM_{295}			2 28.3 274°.45		5°.9/23.1 17	
1 22	11 9.27	+21 50.1	1.848	2.670	14.0	21.5
2 1	11 4.90	+22 51.8	1.770	2.664	11.0	21.3
2 11	10 57.96	+23 55.3	1.715	2.657	7.9	21.1
2 21	10 49.09	+24 52.1	1.686	2.650	6.0	20.9
3 2	10 39.29	+25 34.0	1.685	2.643	6.9	21.0
3 12	10 29.79	+25 55.0	1.711	2.637	9.7	21.1
3 22	10 21.71	+25 52.7	1.761	2.630	13.0	21.3
4 1	10 15.91	+25 28.1	1.833	2.623	16.0	21.5
44989 1999 VG_{173}			2 28.3 193°.39		0°.3/28.1 18	
1 22	11 8.39	+ 5 57.2	2.136	2.919	13.7	20.7
2 1	11 3.76	+ 6 32.1	2.042	2.917	10.7	20.4
2 11	10 57.00	+ 7 20.2	1.972	2.914	7.0	20.2
2 21	10 48.63	+ 8 17.2	1.930	2.911	3.0	20.0
3 2	10 39.46	+ 9 17.7	1.917	2.907	1.3	19.8
3 12	10 30.45	+10 15.3	1.934	2.902	5.5	20.1
3 22	10 22.53	+11 4.6	1.980	2.897	9.3	20.3
4 1	10 16.43	+11 41.7	2.050	2.891	12.8	20.5
230405 2002 JV_{141}			2 28.3 203°.88		0°.7/27.6 18	
1 22	11 6.14	+ 7 59.1	2.164	2.957	13.2	21.1
2 1	11 1.98	+ 8 27.1	2.074	2.955	10.2	20.9
2 11	10 55.79	+ 9 5.8	2.008	2.953	6.7	20.7
2 21	10 48.09	+ 9 51.2	1.969	2.951	2.8	20.4
3 2	10 39.67	+10 38.1	1.960	2.949	1.5	20.3
3 12	10 31.43	+11 20.9	1.980	2.946	5.5	20.6
3 22	10 24.26	+11 55.0	2.027	2.944	9.2	20.8
4 1	10 18.84	+12 17.5	2.100	2.941	12.4	21.0
24634 1981 EX_{29}			2 28.3 259°.90		3°.6/ 2.2 18	
1 22	11 9.44	− 2 11.5	2.148	2.896	14.7	18.8
2 1	11 4.73	− 2 40.5	2.036	2.879	12.1	18.6
2 11	10 57.78	− 2 55.1	1.946	2.862	8.9	18.3
2 21	10 49.04	− 2 55.1	1.881	2.844	5.6	18.1
3 2	10 39.29	− 2 41.9	1.846	2.826	3.6	17.9
3 12	10 29.53	− 2 18.9	1.839	2.808	5.6	18.0
3 22	10 20.75	− 1 50.7	1.861	2.789	9.1	18.2
4 1	10 13.79	− 1 22.5	1.907	2.770	12.6	18.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
154301 2002 UZ_{1}			2 28.3 85°.83		2°.1/26.7 18	
	h m	° ′			°	m
1 22	11 9.55	+ 7 59.1	1.377	2.193	18.2	20.2
2 1	11 5.42	+ 9 10.9	1.320	2.214	13.9	20.0
2 11	10 58.38	+10 39.9	1.285	2.236	8.9	19.8
2 21	10 49.26	+12 16.9	1.274	2.257	3.8	19.5
3 2	10 39.30	+13 50.8	1.291	2.277	3.2	19.6
3 12	10 29.96	+15 10.8	1.335	2.298	8.0	19.9
3 22	10 22.45	+16 10.1	1.403	2.318	12.6	20.2
4 1	10 17.60	+16 45.9	1.493	2.337	16.5	20.5
102162 1999 RH_{219}			2 28.3 184°.35		0°.2/28.5 18	
1 22	11 8.95	+ 5 4.0	2.072	2.852	14.2	21.4
2 1	11 4.24	+ 5 31.5	1.981	2.853	11.1	21.1
2 11	10 57.34	+ 6 12.6	1.913	2.853	7.4	20.9
2 21	10 48.80	+ 7 3.5	1.872	2.852	3.2	20.7
3 2	10 39.44	+ 7 59.0	1.861	2.851	1.1	20.5
3 12	10 30.28	+ 8 52.7	1.879	2.848	5.4	20.8
3 22	10 22.27	+ 9 39.2	1.926	2.846	9.4	21.0
4 1	10 16.14	+10 14.6	1.997	2.842	12.8	21.2
131277 2001 FB_{69}			2 28.3 81°.97		0°.9/27.4 18	
1 22	11 4.93	+ 7 59.2	2.035	2.834	13.7	19.9
2 1	11 1.13	+ 8 37.5	1.955	2.839	10.6	19.7
2 11	10 55.26	+ 9 27.4	1.897	2.844	6.9	19.5
2 21	10 47.89	+10 24.3	1.867	2.849	2.9	19.2
3 2	10 39.81	+11 22.2	1.865	2.854	1.8	19.2
3 12	10 31.99	+12 14.6	1.893	2.859	5.7	19.4
3 22	10 25.30	+12 56.6	1.947	2.864	9.5	19.7
4 1	10 20.42	+13 25.1	2.026	2.869	12.8	19.9
387863 2004 RW_{74}			2 28.3 210°.14		3°.1/25.0 17	
1 22	11 10.44	+17 11.3	2.579	3.376	11.2	22.2
2 1	11 5.01	+17 49.1	2.485	3.368	8.6	22.0
2 11	10 57.67	+18 30.3	2.416	3.360	5.8	21.8
2 21	10 48.90	+19 9.8	2.377	3.351	3.4	21.6
3 2	10 39.44	+19 42.5	2.368	3.341	3.8	21.6
3 12	10 30.14	+20 4.0	2.389	3.331	6.4	21.8
3 22	10 21.82	+20 12.0	2.439	3.320	9.4	22.0
4 1	10 15.13	+20 5.8	2.513	3.308	12.0	22.1
170278 2003 QD_{99}			2 28.3 235°.09		3°.5/25.1 18	
1 22	11 9.81	+14 26.0	1.943	2.751	14.0	20.9
2 1	11 5.27	+15 26.4	1.847	2.737	10.8	20.7
2 11	10 58.26	+16 35.9	1.775	2.723	7.2	20.4
2 21	10 49.29	+17 47.7	1.730	2.707	4.0	20.2
3 2	10 39.28	+18 53.7	1.714	2.692	4.4	20.2
3 12	10 29.36	+19 46.2	1.727	2.675	8.0	20.4
3 22	10 20.66	+20 20.5	1.767	2.658	11.8	20.6
4 1	10 14.06	+20 34.6	1.829	2.640	15.3	20.8
117122 2004 PZ_{34}			2 28.3 130°.82		1°.0/27.3 18	
1 22	11 5.56	+ 7 25.5	2.173	2.966	13.2	20.5
2 1	11 1.46	+ 8 18.2	2.094	2.976	10.1	20.3
2 11	10 55.40	+ 9 22.8	2.040	2.985	6.6	20.1
2 21	10 47.93	+10 34.3	2.013	2.994	2.7	19.9
3 2	10 39.82	+11 46.4	2.015	3.003	1.8	19.8
3 12	10 31.97	+12 52.6	2.048	3.012	5.6	20.1
3 22	10 25.19	+13 47.7	2.108	3.020	9.1	20.3
4 1	10 20.13	+14 28.4	2.193	3.028	12.2	20.5
327263 2005 SM_{138}			2 28.3 250°.35		0°.3/28.1 17	
1 22	11 5.82	+ 5 57.2	1.883	2.679	14.8	21.6
2 1	11 2.11	+ 6 30.2	1.791	2.673	11.5	21.4
2 11	10 56.10	+ 7 17.8	1.722	2.667	7.6	21.2
2 21	10 48.33	+ 8 15.8	1.679	2.660	3.3	20.9
3 2	10 39.66	+ 9 18.2	1.664	2.654	1.4	20.7
3 12	10 31.15	+10 17.6	1.678	2.647	5.9	21.0
3 22	10 23.82	+11 8.0	1.719	2.641	10.2	21.2
4 1	10 18.48	+11 44.8	1.783	2.634	13.9	21.5
110790 2001 UV_{35}			2 28.3 90°.84		0°.8/27.6 18	
1 22	11 5.81	+ 6 1.1	1.872	2.669	14.9	19.8
2 1	11 1.88	+ 6 58.9	1.803	2.686	11.4	19.6
2 11	10 55.78	+ 8 11.5	1.756	2.702	7.4	19.4
2 21	10 48.12	+ 9 32.9	1.737	2.719	3.1	19.2
3 2	10 39.78	+10 55.7	1.746	2.735	1.7	19.1
3 12	10 31.80	+12 11.9	1.784	2.751	6.0	19.4
3 22	10 25.10	+13 15.3	1.850	2.767	9.9	19.7
4 1	10 20.35	+14 2.2	1.940	2.782	13.3	19.9
188086 2001 XK_{136}			2 28.3 224°.46		7°.3/20.7 17	
1 22	11 8.92	+26 6.1	2.000	2.820	13.1	20.3
2 1	11 4.55	+27 34.9	1.928	2.815	10.5	20.1
2 11	10 57.71	+29 2.6	1.880	2.810	8.2	20.0
2 21	10 49.02	+30 20.0	1.859	2.805	7.3	19.9
3 2	10 39.43	+31 18.2	1.866	2.799	8.4	20.0
3 12	10 30.12	+31 51.3	1.899	2.793	10.8	20.1
3 22	10 22.17	+31 57.8	1.956	2.787	13.5	20.3
4 1	10 16.40	+31 39.2	2.032	2.781	16.0	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
462278 2008 EW_{162}			2 28.3 256°.11		2°.1/26.5 17	
	h m	° ′			°	m
1 22	11 8.44	+11 40.7	1.913	2.718	14.2	22.1
2 1	11 4.17	+12 15.0	1.818	2.706	11.0	21.8
2 11	10 57.50	+12 58.9	1.746	2.694	7.2	21.6
2 21	10 48.96	+13 47.3	1.700	2.682	3.3	21.3
3 2	10 39.44	+14 33.4	1.684	2.669	3.0	21.3
3 12	10 30.06	+15 10.9	1.696	2.656	6.9	21.5
3 22	10 21.89	+15 35.0	1.734	2.642	11.0	21.7
4 1	10 15.79	+15 43.3	1.796	2.629	14.6	21.9
493810 2015 VK_{74}			2 28.3 128°.67		3°.4/25.4 18	
1 22	11 12.59	+13 37.6	1.761	2.568	15.2	22.4
2 1	11 7.27	+14 44.9	1.696	2.586	11.6	22.2
2 11	10 59.39	+16 0.7	1.655	2.603	7.6	22.0
2 21	10 49.69	+17 17.1	1.641	2.619	4.0	21.8
3 2	10 39.22	+18 25.2	1.656	2.634	4.4	21.9
3 12	10 29.23	+19 17.7	1.699	2.648	8.0	22.1
3 22	10 20.80	+19 50.7	1.769	2.662	11.7	22.4
4 1	10 14.71	+20 3.5	1.862	2.675	15.0	22.6
284692 2008 SO_{89}			2 28.3 114°.91		0°.8/27.8 18	
1 22	11 13.15	+ 8 35.3	1.516	2.320	17.4	21.4
2 1	11 8.12	+ 8 46.9	1.444	2.330	13.5	21.2
2 11	11 0.19	+ 9 11.2	1.392	2.339	8.9	21.0
2 21	10 50.10	+ 9 43.0	1.366	2.347	3.7	20.7
3 2	10 39.05	+10 15.9	1.367	2.356	1.9	20.6
3 12	10 28.48	+10 43.1	1.395	2.364	7.0	20.9
3 22	10 19.65	+10 59.7	1.450	2.372	11.7	21.2
4 1	10 13.44	+11 3.0	1.527	2.379	15.7	21.5
504936 2011 CT_{57}			2 28.3 255°.27		2°.3/ 1.2 17	
1 22	11 10.64	+ 1 4.1	2.306	3.061	13.7	21.7
2 1	11 5.53	+ 0 45.0	2.189	3.041	11.0	21.5
2 11	10 58.26	+ 0 37.9	2.095	3.020	7.8	21.3
2 21	10 49.28	+ 0 41.9	2.029	2.999	4.4	21.0
3 2	10 39.31	+ 0 55.0	1.991	2.978	2.3	20.8
3 12	10 29.33	+ 1 13.8	1.985	2.955	5.0	21.0
3 22	10 20.25	+ 1 34.1	2.007	2.933	8.7	21.1
4 1	10 12.90	+ 1 52.0	2.055	2.910	12.2	21.3
425663 2010 XX_{18}			2 28.3 112°.27		1°.2/27.1 18	
1 22	11 6.94	+ 7 58.7	1.926	2.724	14.4	21.8
2 1	11 2.74	+ 8 50.2	1.853	2.737	11.1	21.6
2 11	10 56.35	+ 9 54.2	1.803	2.750	7.2	21.4
2 21	10 48.37	+11 5.2	1.780	2.762	3.0	21.2
3 2	10 39.70	+12 16.0	1.787	2.774	2.1	21.1
3 12	10 31.36	+13 19.4	1.822	2.786	6.1	21.4
3 22	10 24.28	+14 10.0	1.885	2.797	10.0	21.7
4 1	10 19.15	+14 44.8	1.971	2.808	13.3	21.9
65480 2003 BP_{12}			2 28.3 56°.25		2°.1/26.9 18	
1 22	11 11.58	+11 18.3	1.341	2.163	18.3	19.7
2 1	11 7.28	+11 39.4	1.273	2.169	14.1	19.4
2 11	10 59.83	+12 12.2	1.224	2.175	9.2	19.1
2 21	10 50.00	+12 49.9	1.200	2.182	4.0	18.9
3 2	10 39.11	+13 24.5	1.201	2.189	3.1	18.8
3 12	10 28.74	+13 48.3	1.229	2.195	8.1	19.1
3 22	10 20.29	+13 56.8	1.282	2.202	13.0	19.4
4 1	10 14.71	+13 48.2	1.355	2.209	17.2	19.7
212716 2007 RY_{103}			2 28.3 157°.01		1°.0/29.3 18	
1 22	11 7.88	+ 1 45.0	1.915	2.691	15.3	21.4
2 1	11 3.55	+ 2 18.3	1.830	2.697	12.1	21.2
2 11	10 56.95	+ 3 9.4	1.767	2.703	8.2	21.0
2 21	10 48.67	+ 4 14.4	1.731	2.709	3.9	20.7
3 2	10 39.58	+ 5 27.5	1.723	2.713	1.3	20.5
3 12	10 30.75	+ 6 41.2	1.745	2.718	5.4	20.8
3 22	10 23.14	+ 7 48.5	1.795	2.721	9.5	21.1
4 1	10 17.51	+ 8 44.1	1.870	2.724	13.2	21.3
185694 1997 TF_{16}			2 28.3 46°.69		0°.7/28.9 18	
1 22	11 5.23	+ 2 51.4	1.444	2.248	18.1	20.1
2 1	11 1.97	+ 3 25.7	1.383	2.268	14.1	19.9
2 11	10 56.08	+ 4 20.2	1.344	2.288	9.4	19.7
2 21	10 48.30	+ 5 29.7	1.328	2.308	4.3	19.4
3 2	10 39.76	+ 6 45.8	1.339	2.329	1.3	19.3
3 12	10 31.74	+ 7 59.3	1.377	2.351	6.3	19.6
3 22	10 25.34	+ 9 2.1	1.440	2.373	10.9	20.0
4 1	10 21.31	+ 9 49.0	1.526	2.395	14.8	20.2
82549 2001 OU_{69}			2 28.3 202°.76		0°.7/27.6 16	
1 22	11 8.38	+ 8 1.8	2.513	3.294	12.0	21.8
2 1	11 3.47	+ 8 35.0	2.414	3.288	9.3	21.6
2 11	10 56.71	+ 9 17.9	2.340	3.282	6.1	21.4
2 21	10 48.54	+10 6.8	2.294	3.275	2.6	21.2
3 2	10 39.66	+10 57.0	2.278	3.267	1.5	21.1
3 12	10 30.91	+11 43.3	2.294	3.258	5.0	21.3
3 22	10 23.06	+12 21.6	2.338	3.248	8.4	21.5
4 1	10 16.77	+12 49.0	2.409	3.238	11.5	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
386175 2007 UJ_{115}			2 28.3 158°.09		3°.2/ 3.2 17	
	h m	° ′			°	m
1 22	11 4.15	− 5 19.7	2.759	3.485	12.3	21.7
2 1	11 0.01	− 5 16.7	2.663	3.490	10.1	21.5
2 11	10 54.31	− 4 58.7	2.591	3.496	7.5	21.3
2 21	10 47.47	− 4 26.6	2.544	3.500	4.9	21.2
3 2	10 40.08	− 3 42.8	2.527	3.505	3.2	21.1
3 12	10 32.84	− 2 51.2	2.540	3.508	4.3	21.1
3 22	10 26.38	− 1 56.5	2.583	3.512	6.8	21.3
4 1	10 21.26	− 1 3.1	2.652	3.515	9.5	21.5
406488 2007 VO			2 28.3 106°.24		1°.4/27.3 18	
1 22	11 12.17	+ 9 42.3	1.752	2.551	15.6	21.7
2 1	11 6.90	+10 9.8	1.684	2.569	12.0	21.5
2 11	10 59.13	+10 47.7	1.640	2.586	7.8	21.3
2 21	10 49.59	+11 30.7	1.622	2.603	3.3	21.1
3 2	10 39.33	+12 12.3	1.632	2.620	2.2	21.0
3 12	10 29.56	+12 46.1	1.672	2.636	6.5	21.3
3 22	10 21.32	+13 8.0	1.738	2.652	10.6	21.6
4 1	10 15.37	+13 16.0	1.827	2.667	14.1	21.8
204615 2005 JM_{156}			2 28.3 314°.86		1°.8/26.6 17	
1 22	11 4.80	+11 6.9	2.125	2.930	13.0	20.5
2 1	11 1.04	+11 42.3	2.037	2.926	10.0	20.3
2 11	10 55.25	+12 26.4	1.973	2.921	6.5	20.1
2 21	10 47.95	+13 14.7	1.936	2.917	2.9	19.9
3 2	10 39.90	+14 1.4	1.927	2.913	2.5	19.8
3 12	10 32.05	+14 40.7	1.948	2.909	6.1	20.0
3 22	10 25.26	+15 8.5	1.995	2.905	9.7	20.3
4 1	10 20.23	+15 22.4	2.067	2.901	12.9	20.4
381630 2008 YJ_{24}			2 28.3 78°.40		5°.7/22.2 18	
1 22	11 6.65	+22 53.6	2.142	2.962	12.4	20.3
2 1	11 2.45	+24 6.0	2.078	2.970	9.7	20.1
2 11	10 56.13	+25 18.4	2.039	2.978	7.1	19.9
2 21	10 48.29	+26 23.2	2.027	2.985	5.7	19.9
3 2	10 39.79	+27 13.4	2.044	2.993	6.6	19.9
3 12	10 31.64	+27 43.9	2.087	3.001	8.9	20.1
3 22	10 24.72	+27 53.2	2.156	3.009	11.6	20.3
4 1	10 19.70	+27 41.8	2.246	3.017	14.0	20.5
326746 2003 RJ			2 28.3 234°.78		1°.3/26.7 18	
1 22	11 4.30	+ 7 49.8	2.521	3.310	11.7	21.1
2 1	11 0.44	+ 8 58.1	2.416	3.296	9.0	20.9
2 11	10 54.78	+10 18.9	2.336	3.281	5.9	20.7
2 21	10 47.74	+11 47.4	2.284	3.266	2.5	20.4
3 2	10 39.96	+13 17.5	2.264	3.250	2.1	20.4
3 12	10 32.22	+14 42.3	2.275	3.234	5.5	20.6
3 22	10 25.29	+15 56.3	2.315	3.218	8.9	20.8
4 1	10 19.81	+16 55.6	2.380	3.200	11.9	20.9
121490 1999 TQ_{255}			2 28.3 84°.78		1°.0/29.3 18	
1 22	11 5.15	+ 2 33.1	1.972	2.754	14.7	20.1
2 1	11 1.35	+ 2 57.9	1.891	2.763	11.6	19.9
2 11	10 55.45	+ 3 38.3	1.834	2.771	7.8	19.7
2 21	10 48.02	+ 4 31.0	1.802	2.780	3.7	19.4
3 2	10 39.88	+ 5 30.6	1.799	2.789	1.2	19.3
3 12	10 32.03	+ 6 30.7	1.825	2.798	5.1	19.6
3 22	10 25.32	+ 7 25.2	1.878	2.807	9.0	19.8
4 1	10 20.48	+ 8 9.4	1.956	2.815	12.5	20.0
253281 2003 BF_{11}			2 28.3 43°.46		0°.8/27.8 18	
1 22	11 9.19	+ 8 35.2	1.419	2.235	17.8	20.1
2 1	11 5.06	+ 8 47.9	1.360	2.253	13.7	19.9
2 11	10 58.13	+ 9 13.7	1.322	2.272	8.9	19.7
2 21	10 49.20	+ 9 47.1	1.309	2.291	3.7	19.4
3 2	10 39.49	+10 21.2	1.321	2.311	1.9	19.4
3 12	10 30.40	+10 49.1	1.361	2.331	6.9	19.7
3 22	10 23.08	+11 6.0	1.425	2.352	11.5	20.0
4 1	10 18.33	+11 9.3	1.512	2.373	15.4	20.3
248827 2006 SE_{315}			2 28.3 184°.65		1°.1/27.1 17	
1 22	11 4.38	+ 9 40.8	2.645	3.436	11.1	21.5
2 1	11 0.28	+10 15.1	2.555	3.436	8.5	21.3
2 11	10 54.52	+10 57.5	2.490	3.436	5.5	21.1
2 21	10 47.58	+11 43.9	2.454	3.435	2.4	20.9
3 2	10 40.06	+12 30.1	2.447	3.435	1.7	20.8
3 12	10 32.70	+13 11.3	2.471	3.434	4.9	21.1
3 22	10 26.19	+13 44.1	2.524	3.432	8.0	21.2
4 1	10 21.09	+14 6.2	2.602	3.431	10.7	21.4
232752 2004 KF_{8}			2 28.3 227°.06		6°.8/ 6.5 17	
1 22	11 6.44	−14 59.2	2.428	3.100	15.1	21.3
2 1	11 2.24	−15 26.3	2.316	3.088	13.1	21.1
2 11	10 56.06	−15 32.5	2.222	3.076	10.9	21.0
2 21	10 48.34	−15 15.8	2.152	3.063	8.6	20.8
3 2	10 39.75	−14 36.1	2.109	3.050	7.0	20.7
3 12	10 31.17	−13 36.5	2.093	3.036	7.1	20.6
3 22	10 23.45	−12 22.4	2.105	3.022	8.9	20.7
4 1	10 17.33	−11 0.9	2.144	3.007	11.4	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
502718 2015 DZ_{27}			2 28.3 121°.83		2°.8/25.5 17	
	h m	° ′			°	m
1 22	11 7.18	+14 48.7	2.296	3.101	12.2	21.6
2 1	11 2.63	+15 31.0	2.220	3.109	9.3	21.4
2 11	10 56.15	+16 18.4	2.170	3.117	6.1	21.2
2 21	10 48.29	+17 5.7	2.147	3.125	3.2	21.1
3 2	10 39.84	+17 47.3	2.155	3.133	3.5	21.1
3 12	10 31.67	+18 18.4	2.191	3.141	6.4	21.3
3 22	10 24.59	+18 36.0	2.255	3.148	9.5	21.5
4 1	10 19.23	+18 39.2	2.342	3.155	12.3	21.7
155697 2000 QP_{24}			2 28.3 196°.41		0°.1/28.4 17	
1 22	11 9.96	+ 6 40.1	2.585	3.356	11.9	21.3
2 1	11 4.60	+ 6 50.4	2.485	3.353	9.3	21.1
2 11	10 57.41	+ 7 9.6	2.410	3.349	6.2	20.9
2 21	10 48.86	+ 7 34.9	2.364	3.344	2.7	20.7
3 2	10 39.62	+ 8 2.9	2.348	3.338	0.9	20.5
3 12	10 30.53	+ 8 29.4	2.364	3.332	4.6	20.8
3 22	10 22.35	+ 8 51.0	2.409	3.326	7.9	21.0
4 1	10 15.72	+ 9 5.2	2.481	3.318	10.9	21.2
458940 2011 UZ_{334}			2 28.3 148°.75		2°.6/26.3 18	
1 22	11 11.86	+12 33.0	1.767	2.573	15.2	21.8
2 1	11 6.81	+13 12.4	1.691	2.580	11.7	21.6
2 11	10 59.20	+14 0.8	1.639	2.587	7.6	21.4
2 21	10 49.69	+14 51.7	1.612	2.593	3.6	21.1
3 2	10 39.33	+15 37.8	1.615	2.599	3.4	21.1
3 12	10 29.35	+16 12.5	1.646	2.604	7.3	21.4
3 22	10 20.85	+16 31.8	1.703	2.608	11.4	21.6
4 1	10 14.66	+16 34.4	1.784	2.613	14.9	21.9
245547 2005 TO_{172}			2 28.3 126°.80		4°.0/ 2.6 18	
1 22	11 9.12	− 4 25.1	1.607	2.367	18.4	20.8
2 1	11 4.92	− 4 23.2	1.528	2.378	15.0	20.5
2 11	10 58.08	− 3 57.2	1.469	2.388	11.0	20.3
2 21	10 49.25	− 3 8.4	1.434	2.398	6.7	20.1
3 2	10 39.48	− 2 1.2	1.425	2.408	4.0	19.9
3 12	10 30.04	− 0 43.7	1.444	2.417	6.2	20.1
3 22	10 22.10	+ 0 35.1	1.489	2.425	10.4	20.3
4 1	10 16.51	+ 1 46.9	1.559	2.433	14.3	20.6
48848 1998 FD_{46}			2 28.3 278°.20		2°.3/26.9 18	
1 22	11 10.77	+10 56.1	1.343	2.166	18.2	19.8
2 1	11 6.94	+11 23.2	1.261	2.158	14.2	19.5
2 11	10 59.85	+12 3.6	1.199	2.151	9.3	19.2
2 21	10 50.16	+12 51.0	1.161	2.143	4.1	18.9
3 2	10 39.12	+13 36.4	1.149	2.136	3.3	18.8
3 12	10 28.36	+14 11.0	1.163	2.129	8.5	19.1
3 22	10 19.39	+14 28.9	1.201	2.121	13.7	19.3
4 1	10 13.34	+14 27.5	1.259	2.114	18.2	19.6
319502 2006 QS_{92}			2 28.3 155°.96		3°.0/ 2.9 17	
1 22	11 6.83	− 4 2.6	3.001	3.723	11.5	21.0
2 1	11 1.91	− 4 17.0	2.905	3.731	9.4	20.9
2 11	10 55.49	− 4 19.1	2.833	3.738	7.0	20.7
2 21	10 47.98	− 4 9.4	2.788	3.744	4.5	20.6
3 2	10 39.96	− 3 49.7	2.773	3.750	3.0	20.5
3 12	10 32.09	− 3 22.8	2.789	3.755	4.1	20.6
3 22	10 24.97	− 2 52.2	2.835	3.761	6.5	20.7
4 1	10 19.13	− 2 21.4	2.909	3.765	8.9	20.9
336965 2011 JF_{16}			2 28.3 235°.58		0°.8/27.5 17	
1 22	11 4.96	+ 7 58.8	2.252	3.045	12.8	21.0
2 1	11 1.08	+ 8 35.9	2.158	3.039	9.9	20.8
2 11	10 55.26	+ 9 24.0	2.087	3.033	6.4	20.6
2 21	10 47.98	+10 19.1	2.044	3.026	2.7	20.3
3 2	10 39.95	+11 15.6	2.031	3.019	1.7	20.2
3 12	10 32.07	+12 7.9	2.046	3.012	5.4	20.5
3 22	10 25.16	+12 51.0	2.090	3.005	9.1	20.7
4 1	10 19.91	+13 21.7	2.159	2.997	12.3	20.9
99616 2002 GX_{79}			2 28.3 256°.71		3°.6/25.5 18	
1 22	11 8.95	+13 56.0	1.616	2.435	15.8	19.5
2 1	11 4.99	+14 47.3	1.532	2.429	12.2	19.3
2 11	10 58.26	+15 48.6	1.472	2.422	8.0	19.0
2 21	10 49.39	+16 52.4	1.437	2.416	4.2	18.8
3 2	10 39.43	+17 49.8	1.429	2.409	4.5	18.8
3 12	10 29.73	+18 32.6	1.448	2.402	8.5	19.0
3 22	10 21.52	+18 56.0	1.492	2.395	12.8	19.2
4 1	10 15.76	+18 58.4	1.558	2.388	16.6	19.4
377350 2004 RH_{42}			2 28.3 192°.63		3°.0/25.2 17	
1 22	11 9.80	+16 27.8	2.493	3.292	11.5	21.9
2 1	11 4.57	+17 6.4	2.405	3.290	8.8	21.7
2 11	10 57.43	+17 48.7	2.343	3.287	5.9	21.5
2 21	10 48.87	+18 29.8	2.309	3.284	3.4	21.3
3 2	10 39.65	+19 4.4	2.305	3.281	3.7	21.3
3 12	10 30.63	+19 28.1	2.332	3.277	6.4	21.5
3 22	10 22.64	+19 38.5	2.387	3.272	9.4	21.7
4 1	10 16.31	+19 34.6	2.466	3.266	12.1	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
450489 2005 YC_{93}			2 28.3 80°.92		0°.5/27.9 18	
	h m	° ′			°	m
1 22	11 11.50	+ 5 17.6	1.445	2.246	18.3	21.5
2 1	11 6.70	+ 6 5.5	1.391	2.275	14.0	21.3
2 11	10 59.13	+ 7 11.0	1.358	2.304	9.2	21.1
2 21	10 49.63	+ 8 27.4	1.351	2.332	3.8	20.8
3 2	10 39.42	+ 9 45.3	1.371	2.360	1.7	20.8
3 12	10 29.89	+10 55.5	1.418	2.388	6.8	21.2
3 22	10 22.18	+11 51.1	1.492	2.415	11.4	21.5
4 1	10 17.04	+12 28.5	1.588	2.441	15.2	21.8
414831 2010 UX_{60}			2 28.3 67°.78		1°.5/27.2 18	
1 22	11 10.51	+ 9 59.7	1.613	2.422	16.3	21.6
2 1	11 5.76	+10 27.7	1.554	2.443	12.5	21.4
2 11	10 58.44	+11 6.5	1.517	2.465	8.1	21.2
2 21	10 49.32	+11 50.2	1.505	2.487	3.4	21.0
3 2	10 39.53	+12 31.7	1.522	2.509	2.4	21.0
3 12	10 30.31	+13 4.6	1.566	2.531	6.8	21.3
3 22	10 22.72	+13 24.8	1.636	2.553	10.9	21.6
4 1	10 17.49	+13 30.2	1.729	2.575	14.5	21.9
11285 1990 QU_{3}			2 28.3 241°.24		1°.4/27.2 18	
1 22	11 8.91	+ 8 36.5	1.665	2.471	16.0	18.1
2 1	11 4.92	+ 9 16.2	1.573	2.461	12.4	17.9
2 11	10 58.23	+10 10.6	1.503	2.451	8.2	17.6
2 21	10 49.41	+11 14.1	1.458	2.440	3.5	17.3
3 2	10 39.44	+12 19.1	1.442	2.429	2.4	17.2
3 12	10 29.62	+13 17.0	1.453	2.418	7.2	17.5
3 22	10 21.17	+14 1.3	1.490	2.406	11.9	17.7
4 1	10 15.06	+14 28.1	1.549	2.394	15.9	17.9
467246 2016 EZ_{171}			2 28.3 270°.38		0°.2/28.2 17	
1 22	11 7.01	+ 6 25.6	1.931	2.724	14.6	21.8
2 1	11 3.12	+ 6 47.8	1.827	2.707	11.4	21.6
2 11	10 56.88	+ 7 23.5	1.747	2.690	7.6	21.3
2 21	10 48.79	+ 8 9.2	1.692	2.673	3.3	21.0
3 2	10 39.66	+ 8 59.4	1.665	2.655	1.3	20.8
3 12	10 30.59	+ 9 47.6	1.668	2.637	5.9	21.1
3 22	10 22.62	+10 28.1	1.697	2.619	10.3	21.3
4 1	10 16.62	+10 56.5	1.750	2.601	14.1	21.5
359713 2011 TV_{9}			2 28.3 104°.62		3°.3/25.6 18	R
1 22	11 13.63	+14 16.5	1.771	2.578	15.2	21.2
2 1	11 7.95	+15 10.6	1.714	2.603	11.6	21.1
2 11	10 59.78	+16 11.3	1.680	2.627	7.5	20.9
2 21	10 49.88	+17 11.4	1.672	2.650	4.0	20.7
3 2	10 39.34	+18 2.9	1.694	2.673	4.2	20.8
3 12	10 29.38	+18 39.7	1.745	2.695	7.7	21.0
3 22	10 21.03	+18 58.8	1.822	2.717	11.3	21.3
4 1	10 15.01	+18 59.8	1.922	2.737	14.5	21.5
512276 2016 FU_{53}			2 28.3 2°.03		0°.1/28.4 17	
1 22	11 6.64	+ 6 59.9	1.477	2.290	17.3	21.2
2 1	11 3.29	+ 7 2.8	1.398	2.289	13.5	20.9
2 11	10 57.16	+ 7 20.0	1.340	2.288	9.0	20.6
2 21	10 48.92	+ 7 47.4	1.307	2.288	3.9	20.3
3 2	10 39.64	+ 8 19.3	1.299	2.289	1.4	20.2
3 12	10 30.71	+ 8 48.6	1.318	2.291	6.7	20.5
3 22	10 23.33	+ 9 9.7	1.362	2.293	11.5	20.8
4 1	10 18.42	+ 9 18.7	1.428	2.297	15.7	21.0
298811 2004 RR_{51}			2 28.3 130°.61		2°.4/26.6 18	
1 22	11 13.40	+12 20.6	1.705	2.510	15.7	21.0
2 1	11 8.03	+12 52.8	1.633	2.521	12.1	20.8
2 11	11 0.01	+13 33.8	1.584	2.532	7.9	20.6
2 21	10 50.05	+14 17.3	1.562	2.542	3.6	20.3
3 2	10 39.26	+14 56.2	1.568	2.552	3.2	20.3
3 12	10 28.93	+15 24.0	1.602	2.562	7.3	20.6
3 22	10 20.20	+15 37.3	1.663	2.570	11.4	20.9
4 1	10 13.87	+15 34.6	1.746	2.579	15.0	21.1
248947 2006 WR_{152}			2 28.4 238°.60		3°.3/24.2 18	
1 22	11 3.45	+16 28.6	2.610	3.419	10.8	20.3
2 1	10 59.71	+17 32.1	2.521	3.412	8.2	20.1
2 11	10 54.25	+18 40.7	2.459	3.405	5.5	20.0
2 21	10 47.53	+19 48.9	2.425	3.398	3.5	19.8
3 2	10 40.17	+20 50.8	2.421	3.391	4.0	19.8
3 12	10 32.95	+21 41.3	2.446	3.384	6.6	20.0
3 22	10 26.58	+22 17.0	2.499	3.376	9.3	20.2
4 1	10 21.66	+22 36.5	2.575	3.369	11.8	20.3
467021 2016 CJ_{150}			2 28.4 170°.09		2°.4/26.2 18	
1 22	11 7.41	+11 45.1	1.840	2.650	14.5	21.3
2 1	11 3.37	+12 31.8	1.760	2.651	11.1	21.0
2 11	10 56.95	+13 28.6	1.702	2.652	7.3	20.8
2 21	10 48.76	+14 29.3	1.671	2.652	3.4	20.6
3 2	10 39.72	+15 26.6	1.669	2.653	3.3	20.6
3 12	10 30.96	+16 13.5	1.695	2.653	7.1	20.8
3 22	10 23.50	+16 45.3	1.747	2.653	11.0	21.0
4 1	10 18.12	+16 59.8	1.822	2.653	14.5	21.2

347146 2010 OC_{122} 2 28.4 157°.08 4°.1/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 4.79	+19 17.1	2.497	3.310	11.1	21.0
2 1	11 0.77	+20 24.6	2.421	3.312	8.5	20.8
2 11	10 54.94	+21 34.9	2.372	3.315	5.9	20.6
2 21	10 47.81	+22 41.9	2.350	3.317	4.2	20.5
3 2	10 40.08	+23 39.5	2.358	3.320	4.9	20.6
3 12	10 32.56	+24 22.7	2.395	3.322	7.3	20.7
3 22	10 26.00	+24 48.8	2.458	3.323	9.9	20.9
4 1	10 21.01	+24 57.4	2.545	3.325	12.3	21.1

341696 2007 VJ_{147} 2 28.4 202°.77 2°.1/ 2.0 17

1 22	11 3.91	− 2 6.1	2.902	3.643	11.4	22.1
2 1	10 59.82	− 1 52.8	2.797	3.638	9.2	22.0
2 11	10 54.21	− 1 26.3	2.716	3.633	6.6	21.8
2 21	10 47.49	− 0 47.9	2.661	3.628	3.9	21.6
3 2	10 40.19	− 0 0.5	2.637	3.622	2.1	21.4
3 12	10 32.98	+ 0 51.9	2.644	3.615	3.9	21.6
3 22	10 26.49	+ 1 45.2	2.680	3.609	6.7	21.7
4 1	10 21.25	+ 2 35.0	2.744	3.601	9.4	21.9

264949 2002 WR_{7} 2 28.4 98°.48 5°.1/23.8 18

1 22	11 11.20	+19 24.9	1.849	2.665	14.2	20.7
2 1	11 6.11	+20 34.0	1.793	2.685	10.9	20.5
2 11	10 58.59	+21 45.4	1.761	2.705	7.6	20.3
2 21	10 49.39	+22 50.7	1.756	2.724	5.2	20.2
3 2	10 39.53	+23 42.2	1.779	2.743	6.0	20.3
3 12	10 30.20	+24 14.0	1.830	2.761	8.8	20.5
3 22	10 22.39	+24 24.4	1.907	2.779	12.0	20.7
4 1	10 16.81	+24 14.3	2.005	2.797	14.8	21.0

460781 2014 WY_{18} 2 28.4 0°.33 9°.0/20.2 18

1 22	11 9.28	+28 31.0	1.656	2.486	15.0	20.3
2 1	11 5.32	+30 1.6	1.595	2.485	12.2	20.1
2 11	10 58.46	+31 27.9	1.558	2.484	9.9	20.0
2 21	10 49.46	+32 38.7	1.545	2.484	9.0	19.9
3 2	10 39.49	+33 24.2	1.557	2.484	10.2	20.0
3 12	10 30.00	+33 38.6	1.594	2.485	12.7	20.1
3 22	10 22.24	+33 21.8	1.653	2.486	15.5	20.3
4 1	10 17.07	+32 37.1	1.730	2.487	18.1	20.5

405528 2005 EZ_{131} 2 28.4 33°.25 6°.0/25.3 18

1 22	11 17.35	+21 31.8	1.324	2.152	18.1	20.0
2 1	11 11.81	+21 49.6	1.263	2.160	14.2	19.8
2 11	11 2.81	+22 6.2	1.222	2.168	9.9	19.6
2 21	10 51.31	+22 12.6	1.205	2.177	6.5	19.4
3 2	10 38.85	+22 1.1	1.214	2.187	6.8	19.4
3 12	10 27.22	+21 27.6	1.249	2.196	10.4	19.7
3 22	10 17.87	+20 32.9	1.308	2.207	14.6	19.9
4 1	10 11.71	+19 20.8	1.388	2.218	18.2	20.2

343147 2009 FU_{67} 2 28.4 73°.46 3°.3/ 3.5 18

1 22	11 1.86	− 6 35.3	2.341	3.076	14.0	21.1
2 1	10 58.53	− 6 9.7	2.255	3.088	11.5	20.9
2 11	10 53.48	− 5 24.4	2.192	3.100	8.5	20.7
2 21	10 47.18	− 4 21.3	2.154	3.111	5.4	20.6
3 2	10 40.32	− 3 4.2	2.144	3.123	3.4	20.5
3 12	10 33.68	− 1 39.1	2.164	3.135	4.6	20.6
3 22	10 27.96	− 0 12.6	2.213	3.147	7.5	20.8
4 1	10 23.74	+ 1 8.8	2.288	3.159	10.5	21.0

107438 2001 DK_{16} 2 28.4 351°.09 3°.8/25.8 18

1 22	11 8.23	+14 38.3	1.356	2.189	17.5	19.5
2 1	11 4.85	+15 13.7	1.282	2.185	13.5	19.2
2 11	10 58.37	+15 58.1	1.229	2.182	8.9	18.9
2 21	10 49.50	+16 43.6	1.199	2.179	4.7	18.7
3 2	10 39.47	+17 21.2	1.195	2.177	4.8	18.7
3 12	10 29.85	+17 42.9	1.217	2.176	9.2	18.9
3 22	10 22.02	+17 44.5	1.262	2.175	13.8	19.2
4 1	10 16.98	+17 25.4	1.327	2.175	17.9	19.4

11021 Foderà 2 28.4 63°.12 1°.6/26.4 18

1 22	11 2.14	+ 7 41.5	2.163	2.963	13.0	16.9
2 1	10 58.88	+ 9 5.0	2.091	2.978	9.9	16.7
2 11	10 53.76	+10 41.3	2.044	2.993	6.3	16.5
2 21	10 47.31	+12 23.9	2.026	3.007	2.7	16.3
3 2	10 40.28	+14 5.2	2.037	3.022	2.4	16.3
3 12	10 33.50	+15 37.4	2.078	3.037	5.9	16.6
3 22	10 27.75	+16 54.8	2.148	3.053	9.3	16.8
4 1	10 23.63	+17 54.0	2.241	3.068	12.3	17.0

490333 2009 BY_{186} 2 28.4 354°.25 0°.3/28.6 17

1 22	11 6.99	+ 6 28.4	2.296	3.079	12.9	21.5
2 1	11 2.53	+ 6 29.7	2.205	3.079	10.0	21.3
2 11	10 56.16	+ 6 40.5	2.139	3.079	6.7	21.1
2 21	10 48.37	+ 6 58.3	2.099	3.079	3.0	20.9
3 2	10 39.90	+ 7 19.3	2.088	3.079	1.0	20.7
3 12	10 31.63	+ 7 39.5	2.108	3.078	4.8	21.0
3 22	10 24.37	+ 7 55.4	2.155	3.078	8.4	21.2
4 1	10 18.78	+ 8 4.1	2.228	3.078	11.5	21.4

225776 2001 TG_{82} 2 28.4 200°.05 1°.4/29.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 8.35	+ 1 39.6	2.524	3.280	12.6	22.3
2 1	11 3.47	+ 1 52.2	2.421	3.276	10.0	22.1
2 11	10 56.74	+ 2 17.5	2.342	3.271	6.9	21.9
2 21	10 48.63	+ 2 53.4	2.290	3.264	3.5	21.7
3 2	10 39.80	+ 3 36.5	2.269	3.258	1.4	21.5
3 12	10 31.08	+ 4 22.2	2.278	3.250	4.4	21.7
3 22	10 23.23	+ 5 6.0	2.318	3.241	7.8	21.9
4 1	10 16.93	+ 5 43.8	2.383	3.232	10.9	22.1

205234 2000 QZ_{120} 2 28.4 133°.78 2°.0/29.9 18

1 22	11 11.62	+ 1 6.1	1.897	2.664	15.8	21.2
2 1	11 6.40	+ 1 8.2	1.818	2.677	12.5	21.0
2 11	10 58.83	+ 1 26.4	1.760	2.690	8.7	20.8
2 21	10 49.55	+ 1 58.2	1.729	2.702	4.6	20.5
3 2	10 39.49	+ 2 39.4	1.726	2.714	2.0	20.4
3 12	10 29.77	+ 3 24.2	1.752	2.725	5.4	20.6
3 22	10 21.39	+ 4 6.8	1.807	2.735	9.3	20.9
4 1	10 15.11	+ 4 42.2	1.886	2.745	12.9	21.1

371070 2005 UR_{281} 2 28.4 173°.74 0°.9/27.5 16

1 22	11 7.35	+ 8 7.8	2.141	2.932	13.4	22.4
2 1	11 2.96	+ 8 42.2	2.054	2.934	10.3	22.2
2 11	10 56.52	+ 9 27.6	1.991	2.936	6.7	21.9
2 21	10 48.55	+10 19.6	1.956	2.937	2.8	21.7
3 2	10 39.84	+11 12.5	1.950	2.938	1.7	21.6
3 12	10 31.35	+12 0.5	1.973	2.939	5.6	21.9
3 22	10 23.96	+12 39.0	2.024	2.939	9.3	22.1
4 1	10 18.36	+13 4.7	2.100	2.938	12.6	22.3

342917 2008 YA_{156} 2 28.4 68°.21 4°.3/ 3.7 18

1 22	11 4.62	− 6 26.6	2.168	2.904	15.0	20.6
2 1	11 0.79	− 6 37.5	2.085	2.915	12.3	20.5
2 11	10 55.04	− 6 29.7	2.023	2.927	9.3	20.3
2 21	10 47.88	− 6 3.5	1.986	2.939	6.3	20.1
3 2	10 40.09	− 5 21.6	1.977	2.951	4.3	20.0
3 12	10 32.53	− 4 28.7	1.996	2.963	5.4	20.1
3 22	10 26.02	− 3 30.8	2.043	2.976	8.2	20.3
4 1	10 21.19	− 2 33.9	2.115	2.988	11.1	20.5

56950 2000 SA_{2} 2 28.4 241°.96 9°.7/19.6 18 R

1 22	11 21.84	+34 6.1	1.982	2.776	14.2	19.0
2 1	11 14.97	+35 22.6	1.898	2.758	12.1	18.8
2 11	11 4.90	+36 31.4	1.838	2.739	10.3	18.7
2 21	10 52.31	+37 21.3	1.804	2.719	9.8	18.6
3 2	10 38.47	+37 42.7	1.797	2.698	10.8	18.6
3 12	10 24.97	+37 30.7	1.816	2.676	13.0	18.7
3 22	10 13.27	+36 45.9	1.858	2.653	15.6	18.8
4 1	10 4.43	+35 33.2	1.920	2.629	18.0	19.0

119878 2002 CY_{224} 2 28.4 26°.91 0°.2/ 2.1 15

1 22	10 44.95	+ 0 36.8	38.663	39.402	1.0	22.2
2 1	10 44.30	+ 0 39.0	38.567	39.409	0.8	22.1
2 11	10 43.56	+ 0 41.9	38.497	39.416	0.5	22.1
2 21	10 42.77	+ 0 45.5	38.456	39.423	0.3	22.1
3 2	10 41.95	+ 0 49.5	38.445	39.430	0.2	22.1
3 12	10 41.15	+ 0 53.9	38.465	39.437	0.3	22.1
3 22	10 40.38	+ 0 58.4	38.514	39.443	0.5	22.1
4 1	10 39.68	+ 1 2.7	38.591	39.450	0.7	22.1

67057 1999 XS_{229} 2 28.4 166°.59 0°.3/28.6 18

1 22	11 8.43	+ 6 1.6	2.449	3.224	12.4	19.8
2 1	11 3.50	+ 6 12.1	2.359	3.228	9.6	19.6
2 11	10 56.72	+ 6 32.3	2.293	3.231	6.4	19.4
2 21	10 48.59	+ 6 59.4	2.255	3.234	2.8	19.2
3 2	10 39.84	+ 7 29.7	2.247	3.237	0.9	19.1
3 12	10 31.28	+ 7 58.9	2.270	3.239	4.6	19.3
3 22	10 23.70	+ 8 23.3	2.321	3.241	8.0	19.5
4 1	10 17.72	+ 8 40.2	2.399	3.242	11.0	19.7

43282 Dougbock 2 28.4 279°.25 2°.3/ 1.2 18

1 22	11 5.58	− 0 27.0	1.481	2.271	18.4	19.1
2 1	11 2.71	− 0 10.6	1.384	2.257	14.9	18.8
2 11	10 57.01	+ 0 30.1	1.307	2.243	10.5	18.5
2 21	10 48.98	+ 1 33.1	1.254	2.229	5.6	18.2
3 2	10 39.64	+ 2 53.0	1.226	2.214	2.4	17.9
3 12	10 30.34	+ 4 20.2	1.224	2.200	6.6	18.2
3 22	10 22.43	+ 5 44.4	1.249	2.186	11.8	18.4
4 1	10 17.01	+ 6 56.5	1.295	2.171	16.5	18.6

413725 2006 BV_{108} 2 28.4 90°.71 1°.7/26.7 18

1 22	11 7.96	+10 5.9	2.039	2.838	13.7	21.2
2 1	11 3.34	+10 53.6	1.975	2.860	10.4	21.0
2 11	10 56.66	+11 50.7	1.935	2.882	6.7	20.8
2 21	10 48.55	+12 51.5	1.923	2.904	2.9	20.6
3 2	10 39.88	+13 49.7	1.940	2.926	2.5	20.6
3 12	10 31.60	+14 39.1	1.986	2.947	6.0	20.9
3 22	10 24.58	+15 15.7	2.060	2.967	9.5	21.2
4 1	10 19.43	+15 37.5	2.158	2.988	12.6	21.4

355276 2007 RF_{17} 2 28.4 223°.26 0°.4/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 8.70	+ 3 55.7	1.932	2.714	15.0	22.1
2 1	11 4.39	+ 4 25.9	1.832	2.704	11.8	21.9
2 11	10 57.71	+ 5 12.3	1.754	2.693	8.0	21.6
2 21	10 49.17	+ 6 11.5	1.703	2.682	3.6	21.3
3 2	10 39.61	+ 7 17.6	1.680	2.671	1.1	21.1
3 12	10 30.15	+ 8 23.5	1.687	2.658	5.7	21.4
3 22	10 21.82	+ 9 22.3	1.722	2.645	10.1	21.6
4 1	10 15.51	+10 9.1	1.781	2.631	13.9	21.8

500246 2012 JO_{52} 2 28.4 255°.03 6°.9/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.30	+23 59.5	1.899	2.723	13.6	21.7
2 1	11 4.24	+25 25.0	1.824	2.716	10.8	21.5
2 11	10 57.64	+26 51.6	1.772	2.708	8.2	21.3
2 21	10 49.12	+28 9.8	1.747	2.701	6.9	21.2
3 2	10 39.65	+29 10.4	1.749	2.693	8.0	21.2
3 12	10 30.44	+29 46.9	1.778	2.685	10.6	21.4
3 22	10 22.59	+29 56.9	1.830	2.677	13.6	21.5
4 1	10 16.97	+29 41.6	1.903	2.669	16.4	21.7

292744 2006 UP_{173} 2 28.4 94°.71 0°.3/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.41	+ 4 54.7	1.903	2.687	15.1	21.0
2 1	11 4.59	+ 5 18.6	1.835	2.709	11.7	20.8
2 11	10 57.56	+ 5 56.0	1.790	2.730	7.8	20.6
2 21	10 48.97	+ 6 43.0	1.771	2.751	3.4	20.4
3 2	10 39.74	+ 7 33.8	1.781	2.771	1.1	20.2
3 12	10 30.94	+ 8 22.2	1.820	2.791	5.4	20.6
3 22	10 23.48	+ 9 2.9	1.887	2.811	9.3	20.8
4 1	10 18.03	+ 9 32.5	1.979	2.830	12.7	21.1

265629 2005 SL_{216} 2 28.4 86°.82 5°.7/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.78	+22 12.8	1.855	2.671	14.2	20.4
2 1	11 7.34	+23 6.9	1.799	2.689	11.0	20.2
2 11	10 59.41	+24 0.3	1.766	2.706	7.9	20.1
2 21	10 49.76	+24 45.1	1.760	2.724	5.8	20.0
3 2	10 39.47	+25 14.1	1.782	2.741	6.5	20.0
3 12	10 29.77	+25 22.8	1.832	2.758	9.2	20.2
3 22	10 21.66	+25 10.5	1.906	2.775	12.2	20.4
4 1	10 15.85	+24 39.0	2.003	2.791	14.9	20.7

369434 2009 XB_{21} 2 28.4 64°.02 0°.5/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.96	+ 4 15.9	1.856	2.645	15.3	21.2
2 1	11 2.74	+ 4 39.2	1.792	2.668	11.8	21.0
2 11	10 56.36	+ 5 16.9	1.750	2.691	7.9	20.8
2 21	10 48.45	+ 6 4.9	1.734	2.713	3.5	20.6
3 2	10 39.94	+ 6 57.4	1.746	2.736	1.1	20.5
3 12	10 31.86	+ 7 48.0	1.787	2.759	5.3	20.8
3 22	10 25.10	+ 8 31.3	1.856	2.782	9.3	21.1
4 1	10 20.32	+ 9 3.4	1.948	2.805	12.6	21.3

463887 2014 UJ_{85} 2 28.4 199°.95 2°.6/26.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.41	+12 32.4	1.859	2.669	14.4	21.7
2 1	11 4.15	+13 15.8	1.776	2.667	11.1	21.5
2 11	10 57.50	+14 8.4	1.717	2.666	7.2	21.2
2 21	10 49.04	+15 4.1	1.684	2.665	3.5	21.0
3 2	10 39.70	+15 55.8	1.680	2.663	3.4	21.0
3 12	10 30.63	+16 36.6	1.704	2.661	7.2	21.2
3 22	10 22.86	+17 2.2	1.754	2.659	11.1	21.4
4 1	10 17.20	+17 10.8	1.827	2.657	14.5	21.6

368825 2006 BD_{211} 2 28.4 104°.69 1°.5/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.20	+ 8 47.8	2.228	3.022	12.9	21.3
2 1	11 1.88	+ 9 48.5	2.160	3.042	9.8	21.1
2 11	10 55.67	+10 59.4	2.116	3.062	6.3	20.9
2 21	10 48.15	+12 15.2	2.100	3.081	2.7	20.7
3 2	10 40.07	+13 29.3	2.114	3.100	2.2	20.7
3 12	10 32.30	+14 35.4	2.158	3.118	5.6	21.0
3 22	10 25.63	+15 28.8	2.231	3.136	9.0	21.2
4 1	10 20.64	+16 7.1	2.328	3.154	11.9	21.5

462244 2008 CV_{84} 2 28.4 345°.02 0°.1/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.08	+ 5 29.0	1.446	2.261	17.6	21.3
2 1	11 1.45	+ 5 55.4	1.364	2.255	13.7	21.0
2 11	10 56.06	+ 6 40.2	1.302	2.250	9.2	20.7
2 21	10 48.53	+ 7 38.9	1.264	2.246	4.0	20.4
3 2	10 39.89	+ 8 43.8	1.252	2.242	1.5	20.2
3 12	10 31.51	+ 9 45.9	1.266	2.239	6.9	20.6
3 22	10 24.61	+10 37.1	1.305	2.237	11.9	20.8
4 1	10 20.17	+11 12.3	1.366	2.235	16.2	21.1

282138 2001 QN_{153} 2 28.4 67°.27 15°.6/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 18.20	−25 48.0	1.479	2.104	24.9	20.1
2 1	11 12.55	−28 15.8	1.426	2.134	22.6	20.0
2 11	11 3.48	−30 8.5	1.387	2.164	20.2	19.9
2 21	10 51.75	−31 17.2	1.365	2.194	18.0	19.8
3 2	10 38.75	−31 36.5	1.363	2.223	16.3	19.8
3 12	10 26.25	−31 8.2	1.382	2.252	15.6	19.8
3 22	10 15.82	−30 1.3	1.421	2.281	16.1	19.9
4 1	10 8.55	−28 29.0	1.481	2.310	17.4	20.1

10903 1997 WA_{30} 2 28.4 29°.56 8°.1/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 3.37	−12 53.4	1.524	2.256	20.4	17.5
2 1	11 0.70	−13 32.3	1.450	2.266	17.5	17.3
2 11	10 55.44	−13 41.5	1.392	2.276	14.2	17.1
2 21	10 48.21	−13 18.7	1.355	2.287	10.8	16.9
3 2	10 40.02	−12 24.9	1.341	2.298	8.4	16.8
3 12	10 32.15	−11 6.6	1.353	2.311	8.6	16.9
3 22	10 25.74	− 9 33.8	1.388	2.323	11.0	17.0
4 1	10 21.65	− 7 57.6	1.447	2.337	14.2	17.3

37195 2000 WD_{75} 2 28.4 309°.53 0°.1/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.97	+ 7 5.2	2.261	3.051	12.8	18.9
2 1	11 1.13	+ 7 15.0	2.161	3.040	10.0	18.7
2 11	10 55.34	+ 7 34.8	2.086	3.029	6.6	18.5
2 21	10 48.08	+ 8 1.6	2.037	3.018	2.9	18.2
3 2	10 40.06	+ 8 31.4	2.017	3.007	1.1	18.1
3 12	10 32.17	+ 8 59.6	2.027	2.997	5.0	18.3
3 22	10 25.23	+ 9 22.2	2.064	2.986	8.7	18.5
4 1	10 19.92	+ 9 36.0	2.126	2.976	12.0	18.7

22850 1999 RZ_{126} 2 28.4 85°.66 3°.8/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.74	− 5 55.2	2.054	2.794	15.6	19.0
2 1	11 1.69	− 5 46.4	1.978	2.814	12.7	18.9
2 11	10 55.64	− 5 17.0	1.925	2.834	9.4	18.7
2 21	10 48.16	− 4 28.8	1.896	2.854	6.0	18.5
3 2	10 40.07	− 3 25.5	1.895	2.874	3.8	18.4
3 12	10 32.31	− 2 13.3	1.923	2.893	5.2	18.6
3 22	10 25.68	− 0 59.4	1.979	2.912	8.3	18.8
4 1	10 20.85	+ 0 10.0	2.060	2.931	11.4	19.0

411400 2010 VC_{112} 2 28.4 97°.74 1°.6/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.85	+ 0 42.9	1.895	2.667	15.6	21.7
2 1	11 3.46	+ 1 4.4	1.822	2.686	12.3	21.5
2 11	10 56.87	+ 1 43.3	1.772	2.704	8.5	21.3
2 21	10 48.71	+ 2 36.1	1.747	2.722	4.3	21.1
3 2	10 39.88	+ 3 37.7	1.751	2.740	1.7	20.9
3 12	10 31.42	+ 4 41.1	1.784	2.757	5.2	21.2
3 22	10 24.24	+ 5 39.8	1.845	2.774	9.1	21.5
4 1	10 19.03	+ 6 28.9	1.930	2.791	12.6	21.7

3471 Amelin 2 28.4 21°.79 0°.6/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.93	+ 6 22.2	2.255	3.035	13.2	16.4
2 1	11 4.05	+ 6 8.8	2.165	3.036	10.3	16.2
2 11	10 57.18	+ 6 4.2	2.100	3.038	6.9	16.0
2 21	10 48.85	+ 6 6.3	2.061	3.040	3.2	15.8
3 2	10 39.84	+ 6 12.2	2.052	3.042	1.0	15.6
3 12	10 31.05	+ 6 18.2	2.073	3.044	4.8	15.9
3 22	10 23.33	+ 6 21.4	2.122	3.047	8.4	16.1
4 1	10 17.35	+ 6 19.1	2.197	3.049	11.6	16.3

286195 2001 UV_{66} 2 28.4 200°.94 0°.5/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.83	+ 4 30.8	1.887	2.668	15.3	23.1
2 1	11 6.04	+ 4 51.8	1.792	2.664	12.1	22.8
2 11	10 58.80	+ 5 27.9	1.721	2.660	8.1	22.6
2 21	10 49.66	+ 6 15.5	1.675	2.654	3.7	22.3
3 2	10 39.53	+ 7 9.3	1.658	2.648	1.2	22.1
3 12	10 29.57	+ 8 2.3	1.671	2.642	5.8	22.4
3 22	10 20.84	+ 8 48.6	1.711	2.634	10.1	22.6
4 1	10 14.23	+ 9 23.5	1.776	2.626	14.0	22.8

73220 2002 JO_{24} 2 28.4 244°.24 1°.6/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.14	− 0 17.0	2.343	3.104	13.3	20.1
2 1	11 0.47	+ 0 12.7	2.234	3.091	10.6	19.9
2 11	10 54.92	+ 0 58.9	2.149	3.078	7.4	19.6
2 21	10 47.93	+ 1 59.4	2.091	3.064	3.9	19.4
3 2	10 40.15	+ 3 10.0	2.062	3.050	1.6	19.2
3 12	10 32.43	+ 4 24.7	2.062	3.036	4.6	19.4
3 22	10 25.56	+ 5 37.3	2.092	3.021	8.2	19.6
4 1	10 20.24	+ 6 42.3	2.148	3.005	11.6	19.8

433103 2012 TU_{106} 2 28.4 168°.51 0°.4/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.93	+ 5 31.2	2.584	3.358	11.9	22.0
2 1	11 2.27	+ 5 39.4	2.493	3.360	9.2	21.8
2 11	10 55.90	+ 5 57.1	2.425	3.363	6.2	21.6
2 21	10 48.28	+ 6 21.8	2.385	3.365	2.8	21.4
3 2	10 40.06	+ 6 50.0	2.376	3.366	0.9	21.3
3 12	10 32.02	+ 7 17.7	2.397	3.368	4.3	21.5
3 22	10 24.87	+ 7 41.6	2.447	3.369	7.6	21.7
4 1	10 19.21	+ 7 58.7	2.524	3.369	10.5	21.9

170117 2002 YD_{13} 2 28.4 73°.71 3°.8/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.03	− 5 34.2	2.275	3.013	14.3	19.9
2 1	11 0.31	− 5 40.6	2.185	3.018	11.7	19.7
2 11	10 54.75	− 5 29.4	2.116	3.023	8.8	19.5
2 21	10 47.81	− 5 1.1	2.073	3.029	5.8	19.4
3 2	10 40.22	− 4 18.2	2.058	3.034	3.9	19.2
3 12	10 32.81	− 3 25.6	2.071	3.040	5.0	19.3
3 22	10 26.36	− 2 28.6	2.112	3.045	7.9	19.5
4 1	10 21.51	− 1 33.0	2.180	3.051	10.9	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
467323 2001 RW_{153}			2 28.4 119°.16		5°.5/ 6.5 18	
	h m	° ′			°	m
1 22	11 5.95	−15 56.4	2.213	2.886	16.3	21.5
2 1	11 1.82	−15 8.1	2.122	2.903	13.9	21.3
2 11	10 55.72	−13 51.1	2.051	2.918	11.0	21.2
2 21	10 48.22	−12 6.0	2.005	2.934	8.0	21.0
3 2	10 40.09	− 9 57.1	1.988	2.948	5.8	20.9
3 12	10 32.23	− 7 32.7	2.001	2.963	5.9	20.9
3 22	10 25.47	− 5 2.9	2.045	2.976	8.3	21.1
4 1	10 20.45	− 2 38.0	2.118	2.990	11.2	21.3
349004 2006 UU_{268}			2 28.4 200°.43		4°.5/23.0 17	
1 22	11 6.83	+22 15.4	2.680	3.488	10.5	21.6
2 1	11 2.25	+23 7.4	2.600	3.486	8.2	21.5
2 11	10 55.91	+23 59.5	2.546	3.483	5.9	21.3
2 21	10 48.28	+24 46.4	2.520	3.481	4.5	21.2
3 2	10 40.07	+25 22.6	2.523	3.478	5.2	21.2
3 12	10 32.06	+25 44.4	2.556	3.475	7.3	21.4
3 22	10 25.00	+25 49.9	2.615	3.472	9.7	21.5
4 1	10 19.48	+25 39.2	2.698	3.468	11.9	21.7
119675 2001 XX_{91}			2 28.4 169°.75		1°.4/27.1 18	
1 22	11 8.18	+ 9 42.9	2.035	2.832	13.8	20.7
2 1	11 3.73	+10 15.7	1.950	2.834	10.6	20.5
2 11	10 57.11	+10 58.5	1.890	2.836	6.9	20.3
2 21	10 48.87	+11 46.7	1.856	2.837	3.0	20.0
3 2	10 39.86	+12 34.2	1.851	2.839	2.1	20.0
3 12	10 31.09	+13 15.2	1.876	2.840	6.0	20.2
3 22	10 23.50	+13 45.2	1.928	2.840	9.8	20.4
4 1	10 17.82	+14 1.7	2.004	2.840	13.2	20.6
21467 Rosenstein			2 28.4 291°.64		4°.9/ 3.3 18	
1 22	11 5.57	− 5 41.1	1.618	2.378	18.3	18.9
2 1	11 2.41	− 5 55.2	1.524	2.371	15.2	18.6
2 11	10 56.65	− 5 45.3	1.450	2.365	11.5	18.4
2 21	10 48.81	− 5 10.9	1.399	2.358	7.6	18.1
3 2	10 39.85	− 4 14.7	1.373	2.351	5.0	18.0
3 12	10 31.01	− 3 3.4	1.373	2.345	6.7	18.0
3 22	10 23.48	− 1 45.7	1.400	2.339	10.6	18.2
4 1	10 18.23	− 0 30.9	1.450	2.333	14.6	18.5
216543 2001 SK_{116}			2 28.4 260°.18		8°.2/ 7.1 18	
1 22	11 3.11	−17 8.8	1.346	2.067	23.2	20.7
2 1	11 1.15	−16 44.7	1.250	2.059	20.2	20.5
2 11	10 56.18	−15 35.2	1.169	2.051	16.4	20.2
2 21	10 48.73	−13 35.8	1.107	2.042	12.2	19.9
3 2	10 39.86	−10 48.5	1.069	2.034	8.8	19.7
3 12	10 31.08	− 7 25.7	1.057	2.025	8.7	19.6
3 22	10 23.86	− 3 47.4	1.072	2.017	12.3	19.8
4 1	10 19.36	− 0 15.6	1.111	2.008	17.0	20.0
98082 2000 RJ_{67}			2 28.4 168°.40		2°.7/26.0 18	
1 22	11 11.08	+12 42.5	1.931	2.733	14.2	19.9
2 1	11 6.09	+13 30.8	1.851	2.738	10.9	19.7
2 11	10 58.73	+14 27.7	1.794	2.742	7.1	19.5
2 21	10 49.59	+15 27.2	1.765	2.745	3.5	19.3
3 2	10 39.62	+16 21.8	1.765	2.747	3.5	19.3
3 12	10 29.95	+17 5.1	1.794	2.749	7.1	19.5
3 22	10 21.59	+17 33.0	1.850	2.750	10.9	19.7
4 1	10 15.35	+17 43.7	1.930	2.751	14.2	19.9
480092 2015 EV_{41}			2 28.4 45°.73		2°.8/28.9 16	
1 22	11 29.61	+ 9 16.3	0.951	1.764	24.7	21.4
2 1	11 22.77	+ 7 31.2	0.881	1.768	19.7	21.1
2 11	11 11.01	+ 5 50.2	0.829	1.773	13.6	20.7
2 21	10 55.26	+ 4 14.4	0.799	1.778	6.7	20.4
3 2	10 37.59	+ 2 45.9	0.794	1.783	3.2	20.2
3 12	10 20.77	+ 1 26.1	0.814	1.788	9.4	20.5
3 22	10 7.15	+ 0 15.4	0.858	1.793	16.0	20.9
4 1	9 58.16	− 0 48.3	0.922	1.799	21.4	21.2
103825 2000 DR_{24}			2 28.4 86°.09		1°.1/27.6 18	
1 22	11 9.58	+ 6 22.9	1.391	2.202	18.4	19.9
2 1	11 5.54	+ 7 15.8	1.330	2.220	14.1	19.7
2 11	10 58.61	+ 8 27.0	1.289	2.238	9.2	19.4
2 21	10 49.57	+ 9 49.2	1.273	2.256	3.8	19.1
3 2	10 39.65	+11 12.3	1.284	2.273	2.2	19.1
3 12	10 30.29	+12 26.1	1.322	2.290	7.4	19.4
3 22	10 22.71	+13 23.4	1.385	2.307	12.1	19.8
4 1	10 17.76	+14 0.3	1.471	2.324	16.2	20.0
54778 2001 LP_{17}			2 28.4 203°.02		3°.6/ 2.2 18	
1 22	11 10.86	− 2 48.6	1.865	2.617	16.5	19.4
2 1	11 6.14	− 2 58.3	1.767	2.613	13.5	19.2
2 11	10 58.93	− 2 49.0	1.690	2.608	9.9	19.0
2 21	10 49.76	− 2 21.2	1.638	2.603	6.0	18.7
3 2	10 39.54	− 1 37.8	1.613	2.596	3.6	18.6
3 12	10 29.44	− 0 44.5	1.618	2.589	5.9	18.7
3 22	10 20.56	+ 0 11.9	1.650	2.582	9.8	18.9
4 1	10 13.81	+ 1 4.6	1.707	2.573	13.7	19.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
396968 2005 SB_{20}			2 28.4 182°.26		3°.7/25.3 18	
	h m	° ′			°	m
1 22	11 13.02	+14 57.9	1.771	2.580	15.1	21.8
2 1	11 7.89	+15 53.9	1.691	2.581	11.6	21.6
2 11	11 0.07	+16 58.0	1.635	2.582	7.7	21.4
2 21	10 50.23	+18 2.5	1.605	2.582	4.3	21.2
3 2	10 39.41	+18 58.8	1.603	2.581	4.6	21.2
3 12	10 28.90	+19 39.7	1.631	2.579	8.3	21.4
3 22	10 19.88	+20 1.4	1.684	2.576	12.2	21.6
4 1	10 13.23	+20 2.8	1.759	2.573	15.7	21.8
247801 2003 SF_{74}			2 28.4 94°.93		2°.4/ 2.0 18	
1 22	11 5.33	− 2 30.9	2.244	2.996	14.1	21.1
2 1	11 1.22	− 2 10.3	2.168	3.015	11.3	21.0
2 11	10 55.27	− 1 32.7	2.114	3.035	8.0	20.8
2 21	10 48.02	− 0 40.4	2.086	3.053	4.6	20.6
3 2	10 40.21	+ 0 22.4	2.087	3.072	2.4	20.5
3 12	10 32.69	+ 1 29.7	2.118	3.091	4.5	20.7
3 22	10 26.21	+ 2 35.7	2.177	3.109	7.8	20.9
4 1	10 21.37	+ 3 35.1	2.263	3.126	10.9	21.1
259897 2004 DR_{58}			2 28.4 323°.19		0°.1/28.4 17	
1 22	11 2.75	+ 7 4.2	2.906	3.687	10.5	20.4
2 1	10 58.95	+ 7 13.5	2.807	3.681	8.1	20.2
2 11	10 53.68	+ 7 30.5	2.733	3.674	5.4	20.0
2 21	10 47.33	+ 7 52.7	2.688	3.668	2.3	19.8
3 2	10 40.45	+ 8 17.2	2.672	3.662	0.8	19.7
3 12	10 33.69	+ 8 40.5	2.687	3.656	4.0	19.9
3 22	10 27.66	+ 8 59.7	2.730	3.650	6.9	20.1
4 1	10 22.86	+ 9 12.3	2.800	3.645	9.6	20.3
170723 2004 BQ_{57}			2 28.4 77°.59		4°.6/ 3.9 17	
1 22	11 5.35	− 6 47.2	2.247	2.977	14.7	20.1
2 1	11 1.40	− 7 9.1	2.154	2.979	12.2	20.0
2 11	10 55.51	− 7 13.2	2.082	2.982	9.3	19.8
2 21	10 48.19	− 6 59.5	2.036	2.985	6.4	19.6
3 2	10 40.14	− 6 29.6	2.016	2.987	4.6	19.5
3 12	10 32.25	− 5 47.5	2.025	2.990	5.5	19.6
3 22	10 25.34	− 4 58.6	2.062	2.993	8.2	19.7
4 1	10 20.08	− 4 8.5	2.125	2.996	11.1	19.9
345982 2007 TL_{141}			2 28.4 0°.70		5°.0/23.9 18	
1 22	11 5.66	+19 34.7	1.823	2.650	13.9	19.9
2 1	11 2.13	+20 28.5	1.750	2.648	10.8	19.7
2 11	10 56.20	+21 25.4	1.701	2.648	7.5	19.5
2 21	10 48.52	+22 17.7	1.678	2.648	5.2	19.4
3 2	10 40.03	+22 57.8	1.682	2.648	5.9	19.4
3 12	10 31.88	+23 20.0	1.712	2.649	8.9	19.6
3 22	10 25.08	+23 21.7	1.767	2.651	12.2	19.8
4 1	10 20.40	+23 3.1	1.844	2.653	15.2	20.0
133486 2003 SN_{266}			2 28.4 61°.89		0°.6/28.9 18	
1 22	11 5.35	+ 4 7.8	1.979	2.766	14.5	20.5
2 1	11 1.56	+ 4 28.4	1.898	2.773	11.3	20.3
2 11	10 55.68	+ 5 3.0	1.840	2.781	7.6	20.1
2 21	10 48.26	+ 5 48.2	1.809	2.788	3.5	19.8
3 2	10 40.13	+ 6 38.9	1.805	2.796	1.1	19.7
3 12	10 32.27	+ 7 29.1	1.831	2.803	5.2	20.0
3 22	10 25.57	+ 8 13.1	1.884	2.811	9.1	20.2
4 1	10 20.70	+ 8 47.0	1.961	2.819	12.5	20.5
334206 2001 SL_{304}			2 28.4 79°.15		0°.3/28.7 18 R	
1 22	11 5.08	+ 4 43.9	2.286	3.067	13.0	21.2
2 1	11 1.00	+ 5 8.7	2.211	3.083	10.1	21.0
2 11	10 55.11	+ 5 45.2	2.160	3.100	6.7	20.8
2 21	10 47.96	+ 6 30.1	2.136	3.116	3.0	20.6
3 2	10 40.26	+ 7 18.6	2.142	3.132	0.9	20.5
3 12	10 32.84	+ 8 5.7	2.177	3.148	4.6	20.8
3 22	10 26.45	+ 8 46.8	2.241	3.164	8.1	21.0
4 1	10 21.66	+ 9 18.5	2.330	3.180	11.1	21.2
119936 2002 GC_{27}			2 28.4 328°.57		0°.2/28.6 18 R	
1 22	11 2.68	+ 5 23.2	2.454	3.239	12.1	19.8
2 1	10 59.18	+ 5 46.3	2.360	3.235	9.4	19.6
2 11	10 53.97	+ 6 20.3	2.290	3.231	6.3	19.4
2 21	10 47.50	+ 7 2.4	2.248	3.228	2.8	19.2
3 2	10 40.40	+ 7 48.3	2.234	3.224	0.9	19.0
3 12	10 33.46	+ 8 33.2	2.251	3.221	4.5	19.3
3 22	10 27.36	+ 9 12.7	2.295	3.218	7.9	19.5
4 1	10 22.72	+ 9 43.6	2.365	3.215	10.9	19.7
363778 2005 ER_{306}			2 28.4 294°.37		0°.1/28.5 16	
1 22	11 4.43	+ 3 41.8	1.568	2.370	17.0	22.1
2 1	11 1.60	+ 4 25.2	1.477	2.362	13.3	21.8
2 11	10 56.15	+ 5 29.5	1.408	2.353	9.0	21.5
2 21	10 48.62	+ 6 50.3	1.364	2.345	4.0	21.2
3 2	10 39.98	+ 8 19.5	1.346	2.337	1.4	21.0
3 12	10 31.49	+ 9 47.1	1.356	2.328	6.6	21.3
3 22	10 24.35	+11 3.9	1.392	2.320	11.5	21.6
4 1	10 19.51	+12 3.4	1.450	2.312	15.8	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
417590 2006 VZ_{61}			2 28.4 167°.89		3°.7/ 3.2 17	
	h m	° ′			°	m
1 22	11 7.80	− 5 34.4	2.267	2.997	14.5	22.5
2 1	11 3.25	− 5 34.9	2.172	3.002	11.9	22.3
2 11	10 56.72	− 5 17.1	2.100	3.006	8.9	22.1
2 21	10 48.71	− 4 41.8	2.053	3.009	5.8	21.9
3 2	10 39.98	− 3 51.7	2.034	3.012	3.8	21.8
3 12	10 31.41	− 2 51.8	2.046	3.014	5.1	21.9
3 22	10 23.85	− 1 48.1	2.086	3.016	8.2	22.1
4 1	10 17.98	− 0 46.6	2.152	3.017	11.3	22.3
130161 Iankubik			2 28.4 127°.13		0°.1/28.4 18	
1 22	11 6.76	+ 5 49.1	2.265	3.047	13.1	20.5
2 1	11 2.36	+ 6 13.2	2.183	3.056	10.1	20.3
2 11	10 56.06	+ 6 48.6	2.125	3.065	6.7	20.1
2 21	10 48.40	+ 7 31.8	2.094	3.074	2.9	19.8
3 2	10 40.11	+ 8 18.0	2.093	3.083	1.0	19.7
3 12	10 32.07	+ 9 2.1	2.121	3.091	4.9	20.0
3 22	10 25.07	+ 9 39.6	2.178	3.099	8.4	20.2
4 1	10 19.73	+10 7.3	2.260	3.107	11.5	20.4
460727 2014 VX_{11}			2 28.4 197°.87		2°.6/ 1.6 17	
1 22	11 9.07	− 0 43.1	1.920	2.683	15.7	21.4
2 1	11 4.64	− 0 45.3	1.826	2.681	12.7	21.2
2 11	10 57.86	− 0 30.2	1.753	2.679	9.0	21.0
2 21	10 49.28	+ 0 0.9	1.706	2.676	5.1	20.7
3 2	10 39.77	+ 0 44.3	1.686	2.672	2.7	20.6
3 12	10 30.42	+ 1 34.3	1.696	2.669	5.4	20.7
3 22	10 22.25	+ 2 24.7	1.733	2.664	9.4	20.9
4 1	10 16.09	+ 3 9.5	1.795	2.660	13.2	21.2
15150 Salsa			2 28.4 210°.61		2°.2/26.7 18	
1 22	11 11.28	+10 59.3	1.782	2.585	15.2	18.5
2 1	11 6.58	+11 40.3	1.693	2.580	11.8	18.2
2 11	10 59.27	+12 32.6	1.626	2.574	7.7	18.0
2 21	10 49.93	+13 30.3	1.586	2.567	3.5	17.7
3 2	10 39.54	+14 25.9	1.575	2.560	3.0	17.6
3 12	10 29.36	+15 11.8	1.592	2.552	7.2	17.9
3 22	10 20.53	+15 43.0	1.635	2.544	11.5	18.1
4 1	10 13.98	+15 57.0	1.702	2.534	15.3	18.3
498105 2007 RB_{297}			2 28.4 184°.05		3°.1/25.3 18	
1 22	11 8.55	+16 38.6	2.390	3.194	11.8	20.9
2 1	11 3.73	+17 14.2	2.307	3.194	9.1	20.7
2 11	10 56.96	+17 53.4	2.248	3.194	6.0	20.6
2 21	10 48.79	+18 31.2	2.218	3.193	3.5	20.4
3 2	10 39.97	+19 2.2	2.217	3.193	3.8	20.4
3 12	10 31.39	+19 22.2	2.246	3.192	6.5	20.6
3 22	10 23.86	+19 28.7	2.302	3.191	9.5	20.8
4 1	10 18.02	+19 21.0	2.382	3.189	12.3	20.9
90265 2003 CL_{5}			2 28.4 147°.14		3°.1/25.6 18	R
1 22	11 11.74	+12 45.8	1.810	2.615	14.9	20.1
2 1	11 6.71	+13 50.6	1.738	2.626	11.4	19.9
2 11	10 59.18	+15 5.2	1.689	2.637	7.5	19.7
2 21	10 49.81	+16 21.9	1.667	2.646	3.8	19.5
3 2	10 39.61	+17 32.3	1.675	2.655	4.0	19.5
3 12	10 29.79	+18 28.7	1.712	2.663	7.7	19.7
3 22	10 21.41	+19 6.6	1.775	2.671	11.5	20.0
4 1	10 15.28	+19 24.6	1.861	2.677	14.8	20.2
50844 2000 FU_{44}			2 28.4 164°.72		4°.5/23.3 18	
1 22	11 8.40	+21 37.4	2.529	3.337	11.1	18.9
2 1	11 3.53	+22 30.2	2.454	3.340	8.6	18.8
2 11	10 56.79	+23 23.5	2.405	3.343	6.1	18.6
2 21	10 48.70	+24 11.4	2.383	3.346	4.6	18.5
3 2	10 40.01	+24 48.4	2.391	3.349	5.2	18.5
3 12	10 31.59	+25 10.3	2.429	3.351	7.4	18.7
3 22	10 24.21	+25 15.5	2.492	3.353	10.0	18.9
4 1	10 18.48	+25 4.0	2.580	3.354	12.3	19.0
107044 2000 YP_{131}			2 28.4 50°.66		0°.3/28.2 18	
1 22	11 7.27	+ 5 19.5	1.322	2.137	18.9	19.9
2 1	11 3.86	+ 5 55.1	1.264	2.155	14.6	19.7
2 11	10 57.54	+ 6 49.7	1.225	2.174	9.6	19.5
2 21	10 49.14	+ 7 57.1	1.211	2.193	4.1	19.2
3 2	10 39.88	+ 9 8.1	1.223	2.213	1.6	19.1
3 12	10 31.21	+10 13.0	1.260	2.233	7.0	19.5
3 22	10 24.33	+11 4.2	1.323	2.253	11.9	19.8
4 1	10 20.08	+11 37.6	1.407	2.273	16.0	20.1
489299 2006 SO_{257}			2 28.4 111°.80		1°.4/ 1.1 17	
1 22	11 3.90	+ 0 36.2	2.655	3.414	12.0	22.4
2 1	10 59.88	+ 0 55.4	2.571	3.426	9.5	22.2
2 11	10 54.30	+ 1 27.3	2.511	3.439	6.5	22.1
2 21	10 47.61	+ 2 9.6	2.478	3.451	3.4	21.9
3 2	10 40.42	+ 2 58.6	2.475	3.463	1.5	21.8
3 12	10 33.43	+ 3 50.0	2.502	3.475	3.9	22.0
3 22	10 27.28	+ 4 39.2	2.559	3.486	7.0	22.2
4 1	10 22.49	+ 5 22.5	2.641	3.498	9.7	22.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
95077 2002 AO_{73}			2 28.4 98°.17		0°.4/28.1 18	
	h m	° ′			°	m
1 22	11 11.43	+ 6 37.0	1.566	2.366	17.1	20.8
2 1	11 6.69	+ 7 1.4	1.499	2.382	13.3	20.5
2 11	10 59.26	+ 7 40.6	1.453	2.398	8.7	20.3
2 21	10 49.86	+ 8 29.4	1.432	2.413	3.7	20.0
3 2	10 39.63	+ 9 20.8	1.439	2.429	1.5	19.9
3 12	10 29.89	+10 7.3	1.474	2.444	6.5	20.3
3 22	10 21.79	+10 43.0	1.535	2.458	11.0	20.6
4 1	10 16.15	+11 4.5	1.618	2.472	14.9	20.8
149408 2003 AY_{59}			2 28.4 63°.88		4°.6/ 2.5 18	
1 22	11 12.50	− 2 22.0	1.750	2.506	17.3	19.4
2 1	11 7.42	− 3 15.0	1.667	2.513	14.2	19.2
2 11	10 59.75	− 3 51.8	1.605	2.520	10.5	19.0
2 21	10 50.11	− 4 11.3	1.567	2.527	6.8	18.8
3 2	10 39.53	− 4 14.5	1.557	2.535	4.6	18.7
3 12	10 29.22	− 4 5.0	1.574	2.542	6.5	18.8
3 22	10 20.34	− 3 47.9	1.619	2.549	10.0	19.0
4 1	10 13.75	− 3 28.8	1.687	2.557	13.6	19.3
128538 2004 PU_{60}			2 28.4 95°.31		0°.8/29.2 18	
1 22	11 7.03	+ 2 49.3	2.072	2.849	14.3	20.3
2 1	11 2.67	+ 3 16.9	2.000	2.868	11.2	20.1
2 11	10 56.30	+ 3 59.0	1.951	2.887	7.5	19.9
2 21	10 48.51	+ 4 52.0	1.928	2.906	3.5	19.7
3 2	10 40.12	+ 5 50.6	1.934	2.924	1.1	19.5
3 12	10 32.07	+ 6 48.7	1.970	2.943	4.9	19.8
3 22	10 25.19	+ 7 40.8	2.034	2.960	8.6	20.1
4 1	10 20.10	+ 8 22.7	2.124	2.978	11.8	20.3
263786 2008 LS_{13}			2 28.4 65°.62		1°.7/26.7 18	
1 22	11 4.76	+ 7 3.5	1.684	2.492	15.8	20.5
2 1	11 1.40	+ 8 24.3	1.621	2.511	12.0	20.3
2 11	10 55.69	+10 1.2	1.580	2.530	7.7	20.1
2 21	10 48.30	+11 46.3	1.566	2.549	3.2	19.8
3 2	10 40.20	+13 29.8	1.581	2.567	2.7	19.8
3 12	10 32.50	+15 2.2	1.624	2.586	6.9	20.1
3 22	10 26.18	+16 16.5	1.693	2.605	11.0	20.4
4 1	10 21.95	+17 9.4	1.785	2.624	14.4	20.7
148761 2001 TX_{215}			2 28.4 82°.54		0°.4/28.1 18	
1 22	11 12.63	+ 8 43.3	1.804	2.598	15.4	20.0
2 1	11 7.27	+ 8 42.3	1.732	2.612	11.9	19.8
2 11	10 59.47	+ 8 51.0	1.683	2.627	7.9	19.6
2 21	10 49.92	+ 9 5.6	1.660	2.641	3.4	19.3
3 2	10 39.64	+ 9 21.4	1.666	2.655	1.4	19.2
3 12	10 29.81	+ 9 33.6	1.700	2.670	5.9	19.6
3 22	10 21.46	+ 9 38.6	1.762	2.684	10.0	19.8
4 1	10 15.33	+ 9 34.2	1.848	2.698	13.5	20.1
804 Hispania			2 28.4 185°.45		1°.2/27.3 18	
1 22	11 10.64	+11 16.8	2.450	3.237	12.1	13.0
2 1	11 5.26	+11 28.1	2.359	3.237	9.3	12.8
2 11	10 57.95	+11 45.4	2.293	3.236	6.1	12.6
2 21	10 49.24	+12 5.4	2.254	3.235	2.6	12.4
3 2	10 39.87	+12 23.8	2.247	3.234	1.8	12.4
3 12	10 30.71	+12 36.9	2.270	3.232	5.2	12.6
3 22	10 22.56	+12 42.0	2.322	3.230	8.6	12.8
4 1	10 16.09	+12 37.5	2.399	3.228	11.5	13.0
129400 2321 $T\text{-}_{2}$			2 28.4 136°.32		0°.3/28.7 18	
1 22	11 10.74	+ 3 57.2	1.893	2.672	15.4	21.9
2 1	11 5.77	+ 4 31.6	1.816	2.687	12.0	21.7
2 11	10 58.48	+ 5 21.5	1.762	2.701	8.0	21.5
2 21	10 49.51	+ 6 22.7	1.734	2.714	3.6	21.2
3 2	10 39.78	+ 7 28.7	1.736	2.726	1.1	21.0
3 12	10 30.39	+ 8 32.4	1.768	2.738	5.6	21.4
3 22	10 22.34	+ 9 27.7	1.827	2.749	9.7	21.6
4 1	10 16.35	+10 10.2	1.911	2.759	13.2	21.9
443885 2001 UX_{135}			2 28.4 74°.16		6°.2/24.0 18	
1 22	11 16.39	+19 42.3	1.394	2.218	17.6	21.0
2 1	11 10.62	+20 59.0	1.355	2.251	13.5	20.8
2 11	11 1.77	+22 17.2	1.339	2.284	9.3	20.6
2 21	10 50.88	+23 25.7	1.347	2.316	6.4	20.6
3 2	10 39.37	+24 14.4	1.383	2.348	7.2	20.7
3 12	10 28.82	+24 37.6	1.445	2.379	10.5	20.9
3 22	10 20.43	+24 34.8	1.530	2.410	14.0	21.2
4 1	10 14.94	+24 8.9	1.636	2.440	17.1	21.5
95039 2002 AO_{27}			2 28.4 62°.96		2°.9/26.6 18	
1 22	11 12.09	+12 48.9	1.381	2.203	17.8	19.8
2 1	11 7.61	+13 17.8	1.317	2.214	13.7	19.6
2 11	11 0.07	+13 56.5	1.274	2.225	9.0	19.4
2 21	10 50.28	+14 37.6	1.256	2.237	4.2	19.1
3 2	10 39.55	+15 12.9	1.264	2.249	3.8	19.1
3 12	10 29.41	+15 35.0	1.299	2.261	8.3	19.4
3 22	10 21.17	+15 40.2	1.357	2.273	12.9	19.7
4 1	10 15.71	+15 27.7	1.438	2.285	16.8	20.0

100508 1997 AY_{14} 2 28.4 173°.73 6°.4/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 8.14	−12 36.0	2.572	3.251	14.2	19.5
2 1	11 3.40	−13 31.5	2.473	3.252	12.2	19.4
2 11	10 56.81	−14 10.3	2.394	3.252	10.0	19.2
2 21	10 48.80	−14 30.5	2.339	3.252	7.9	19.1
3 2	10 40.04	−14 31.5	2.312	3.253	6.5	19.0
3 12	10 31.36	−14 15.3	2.313	3.253	6.8	19.0
3 22	10 23.55	−13 45.8	2.342	3.253	8.4	19.1
4 1	10 17.26	−13 7.9	2.397	3.253	10.6	19.2

132416 2002 GJ_{130} 2 28.4 225°.31 0°.4/28.8 17

1 22	11 6.41	+ 4 52.5	2.140	2.923	13.7	20.7
2 1	11 2.35	+ 5 11.0	2.046	2.919	10.7	20.5
2 11	10 56.23	+ 5 42.3	1.975	2.915	7.2	20.2
2 21	10 48.57	+ 6 23.2	1.931	2.911	3.3	20.0
3 2	10 40.13	+ 7 9.1	1.916	2.906	1.0	19.8
3 12	10 31.84	+ 7 54.5	1.930	2.901	5.1	20.1
3 22	10 24.59	+ 8 34.4	1.972	2.896	8.9	20.3
4 1	10 19.08	+ 9 4.8	2.039	2.891	12.3	20.5

79680 1998 SK_{50} 2 28.4 83°.82 2°.4/26.4 18

1 22	11 11.70	+11 53.6	1.744	2.550	15.4	19.5
2 1	11 6.53	+12 39.7	1.688	2.577	11.7	19.3
2 11	10 58.93	+13 34.4	1.655	2.603	7.6	19.1
2 21	10 49.67	+14 31.1	1.649	2.630	3.5	18.9
3 2	10 39.80	+15 22.4	1.672	2.656	3.2	19.0
3 12	10 30.50	+16 1.8	1.723	2.681	7.0	19.2
3 22	10 22.77	+16 25.8	1.800	2.706	10.8	19.5
4 1	10 17.28	+16 33.3	1.901	2.730	14.0	19.8

114810 2003 OQ_5 2 28.4 153°.31 0°.1/28.3 18

1 22	11 10.38	+ 5 45.3	2.007	2.789	14.5	20.9
2 1	11 5.43	+ 6 14.6	1.925	2.798	11.3	20.7
2 11	10 58.26	+ 6 57.1	1.866	2.807	7.5	20.4
2 21	10 49.44	+ 7 48.5	1.834	2.814	3.2	20.2
3 2	10 39.86	+ 8 43.3	1.831	2.821	1.2	20.0
3 12	10 30.56	+ 9 35.1	1.858	2.827	5.5	20.3
3 22	10 22.49	+10 18.6	1.913	2.832	9.5	20.6
4 1	10 16.39	+10 50.1	1.993	2.837	12.9	20.8

96529 1998 RR_{49} 2 28.4 210°.46 1°.3/27.1 18

1 22	11 6.31	+ 9 48.6	2.177	2.975	13.0	19.7
2 1	11 2.23	+10 22.9	2.088	2.973	10.0	19.5
2 11	10 56.13	+11 6.8	2.024	2.970	6.5	19.3
2 21	10 48.52	+11 55.8	1.987	2.968	2.8	19.0
3 2	10 40.18	+12 44.3	1.979	2.966	2.1	19.0
3 12	10 32.03	+13 26.7	2.000	2.963	5.7	19.2
3 22	10 24.93	+13 58.7	2.049	2.960	9.4	19.4
4 1	10 19.56	+14 17.7	2.122	2.958	12.6	19.6

468957 2015 AY_{34} 2 28.4 335°.98 3°.0/ 1.6 17

1 22	11 7.11	+ 0 12.9	1.777	2.553	16.3	21.0
2 1	11 3.34	− 0 9.7	1.685	2.548	13.2	20.7
2 11	10 57.13	− 0 16.3	1.614	2.543	9.4	20.5
2 21	10 49.05	− 0 7.6	1.567	2.538	5.4	20.2
3 2	10 39.98	+ 0 13.6	1.548	2.534	3.0	20.1
3 12	10 31.08	+ 0 42.5	1.556	2.530	5.7	20.2
3 22	10 23.42	+ 1 13.4	1.591	2.526	9.8	20.5
4 1	10 17.86	+ 1 40.8	1.649	2.523	13.6	20.7

282155 2001 SL_{17} 2 28.4 155°.53 0°.1/28.3 18

1 22	11 4.83	+ 6 14.5	3.052	3.824	10.3	22.3
2 1	11 0.43	+ 6 45.1	2.964	3.833	7.9	22.1
2 11	10 54.60	+ 7 24.2	2.901	3.841	5.2	22.0
2 21	10 47.77	+ 8 8.8	2.868	3.848	2.2	21.8
3 2	10 40.48	+ 8 55.4	2.865	3.855	0.9	21.7
3 12	10 33.34	+ 9 40.0	2.893	3.861	3.9	21.9
3 22	10 26.94	+10 19.1	2.951	3.867	6.7	22.1
4 1	10 21.76	+10 50.4	3.037	3.872	9.2	22.3

277485 2005 WB_{57} 2 28.4 109°.58 0°.9/27.5 18

1 22	11 9.03	+ 7 46.8	2.367	3.149	12.6	21.9
2 1	11 3.91	+ 8 34.0	2.300	3.175	9.6	21.7
2 11	10 56.98	+ 9 31.0	2.259	3.202	6.2	21.6
2 21	10 48.80	+10 33.0	2.246	3.227	2.6	21.4
3 2	10 40.13	+11 34.4	2.263	3.251	1.6	21.3
3 12	10 31.82	+12 29.8	2.312	3.275	5.1	21.6
3 22	10 24.59	+13 15.2	2.389	3.298	8.3	21.9
4 1	10 19.01	+13 48.0	2.492	3.320	11.1	22.1

118585 2000 GR_{60} 2 28.4 281°.26 6°.2/23.4 18

1 22	11 12.37	+22 20.2	1.799	2.618	14.5	19.7
2 1	11 7.70	+23 13.3	1.706	2.597	11.5	19.4
2 11	11 0.21	+24 8.2	1.635	2.576	8.3	19.2
2 21	10 50.46	+24 56.5	1.591	2.555	6.3	19.0
3 2	10 39.50	+25 29.2	1.574	2.533	7.1	19.0
3 12	10 28.68	+25 39.7	1.584	2.511	10.2	19.2
3 22	10 19.30	+25 25.8	1.618	2.490	13.8	19.3
4 1	10 12.36	+24 48.4	1.673	2.468	17.1	19.5

192082 2006 BX_{145} 2 28.4 58°.23 1°.8/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 5.30	+ 9 52.2	1.908	2.715	14.2	20.3
2 1	11 1.70	+10 41.5	1.829	2.719	10.9	20.1
2 11	10 55.89	+11 42.4	1.773	2.722	7.1	19.8
2 21	10 48.45	+12 48.9	1.744	2.725	3.1	19.6
3 2	10 40.24	+13 54.0	1.743	2.729	2.6	19.6
3 12	10 32.29	+14 50.7	1.771	2.732	6.5	19.8
3 22	10 25.54	+15 33.7	1.825	2.736	10.3	20.1
4 1	10 20.72	+16 0.2	1.902	2.740	13.7	20.3

461014 2014 WR_{392} 2 28.4 74°.11 5°.6/22.9 18

1 22	11 7.45	+18 58.0	1.765	2.590	14.4	20.9
2 1	11 3.46	+20 33.9	1.712	2.609	11.0	20.7
2 11	10 57.06	+22 13.6	1.683	2.628	7.7	20.6
2 21	10 48.93	+23 47.3	1.681	2.647	5.7	20.5
3 2	10 40.10	+25 5.4	1.707	2.666	6.6	20.6
3 12	10 31.74	+26 1.1	1.759	2.685	9.5	20.8
3 22	10 24.84	+26 31.6	1.837	2.704	12.6	21.0
4 1	10 20.13	+26 37.8	1.935	2.723	15.4	21.3

371016 2005 UD_{38} 2 28.4 143°.52 1°.9/26.6 16

1 22	11 7.75	+11 2.4	2.035	2.837	13.6	22.0
2 1	11 3.43	+11 45.3	1.955	2.842	10.4	21.8
2 11	10 56.95	+12 37.5	1.899	2.847	6.8	21.6
2 21	10 48.90	+13 33.7	1.871	2.852	3.1	21.3
3 2	10 40.10	+14 27.4	1.871	2.856	2.7	21.3
3 12	10 31.58	+15 12.4	1.901	2.860	6.3	21.6
3 22	10 24.25	+15 44.6	1.957	2.864	10.0	21.8
4 1	10 18.80	+16 1.7	2.038	2.868	13.2	22.0

131429 2001 OH_{101} 2 28.4 55°.81 9°.5/ 8.2 18

1 22	11 9.93	−18 35.0	2.166	2.815	17.2	17.7
2 1	11 5.17	−20 2.3	2.083	2.827	15.3	17.6
2 11	10 58.17	−21 7.6	2.019	2.840	13.2	17.5
2 21	10 49.47	−21 46.9	1.977	2.852	11.1	17.3
3 2	10 39.89	−21 58.2	1.960	2.865	9.8	17.3
3 12	10 30.47	−21 43.0	1.968	2.878	9.6	17.3
3 22	10 22.17	−21 6.2	2.001	2.891	10.7	17.4
4 1	10 15.80	−20 14.7	2.058	2.904	12.5	17.5

497637 2006 QV_{186} 2 28.4 189°.76 0°.3/28.1 17

1 22	11 4.94	+ 6 59.5	2.831	3.609	10.8	22.6
2 1	11 0.69	+ 7 27.4	2.736	3.608	8.4	22.5
2 11	10 54.88	+ 8 4.1	2.665	3.606	5.5	22.3
2 21	10 47.94	+ 8 46.6	2.624	3.604	2.3	22.0
3 2	10 40.44	+ 9 30.9	2.612	3.602	1.0	21.9
3 12	10 33.08	+10 13.0	2.632	3.599	4.2	22.2
3 22	10 26.48	+10 49.1	2.681	3.596	7.3	22.4
4 1	10 21.19	+11 16.7	2.756	3.593	10.0	22.5

419031 2009 QB_{55} 2 28.4 147°.20 4°.4/23.0 18

1 22	11 8.62	+19 59.9	2.513	3.319	11.2	21.8
2 1	11 3.72	+21 17.5	2.445	3.331	8.6	21.6
2 11	10 56.95	+22 37.2	2.402	3.342	6.1	21.5
2 21	10 48.84	+23 52.3	2.389	3.353	4.5	21.4
3 2	10 40.14	+24 56.4	2.406	3.363	5.2	21.5
3 12	10 31.69	+25 44.5	2.453	3.372	7.5	21.6
3 22	10 24.29	+26 14.3	2.526	3.381	10.1	21.8
4 1	10 18.53	+26 25.4	2.622	3.388	12.4	22.0

296097 2009 BQ_{34} 2 28.4 113°.17 2°.5/ 1.7 17

1 22	11 8.94	+ 0 15.0	2.380	3.132	13.3	20.6
2 1	11 4.00	− 0 6.5	2.290	3.139	10.7	20.5
2 11	10 57.16	− 0 15.8	2.223	3.146	7.6	20.3
2 21	10 48.95	− 0 13.8	2.184	3.152	4.4	20.1
3 2	10 40.09	− 0 2.9	2.174	3.158	2.5	20.0
3 12	10 31.43	+ 0 13.8	2.193	3.164	4.6	20.1
3 22	10 23.77	+ 0 32.4	2.242	3.170	7.8	20.3
4 1	10 17.74	+ 0 49.2	2.317	3.176	10.8	20.5

343496 2010 EK_{102} 2 28.4 44°.26 0°.6/29.0 18

1 22	11 3.84	+ 3 28.1	1.950	2.739	14.6	20.5
2 1	11 0.45	+ 3 56.6	1.873	2.748	11.4	20.3
2 11	10 55.00	+ 4 40.3	1.818	2.758	7.7	20.0
2 21	10 48.05	+ 5 35.5	1.789	2.768	3.5	19.8
3 2	10 40.41	+ 6 36.5	1.788	2.778	1.1	19.6
3 12	10 33.05	+ 7 36.7	1.816	2.789	5.2	20.0
3 22	10 26.83	+ 8 30.2	1.871	2.799	9.1	20.2
4 1	10 22.44	+ 9 12.5	1.950	2.810	12.5	20.4

135258 2001 SG_{53} 2 28.4 161°.46 1°.8/ 1.8 17

1 22	11 3.13	− 1 47.1	2.768	3.515	11.8	20.8
2 1	10 59.32	− 1 18.6	2.673	3.519	9.4	20.6
2 11	10 53.99	− 0 35.8	2.602	3.523	6.7	20.4
2 21	10 47.55	+ 0 19.2	2.558	3.527	3.7	20.2
3 2	10 40.58	+ 1 22.9	2.544	3.530	1.8	20.1
3 12	10 33.75	+ 2 30.3	2.561	3.533	3.9	20.2
3 22	10 27.69	+ 3 36.7	2.607	3.536	6.8	20.4
4 1	10 22.91	+ 4 37.4	2.680	3.538	9.5	20.6

127413 2002 LS_{53} 2 28.4 271°.11 1°.5/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 4.12	+ 8 39.5	2.070	2.872	13.4	20.3
2 1	11 0.77	+ 9 35.4	1.973	2.860	10.4	20.1
2 11	10 55.32	+10 44.4	1.900	2.847	6.8	19.9
2 21	10 48.25	+12 1.4	1.853	2.835	2.9	19.6
3 2	10 40.32	+13 19.4	1.836	2.823	2.4	19.5
3 12	10 32.48	+14 30.9	1.848	2.811	6.2	19.8
3 22	10 25.65	+15 30.0	1.887	2.798	10.1	20.0
4 1	10 20.60	+16 12.8	1.950	2.786	13.5	20.2

202945 1999 FY_{78} 2 28.4 341°.07 2°.3/26.4 17

1 22	11 3.61	+11 33.1	1.824	2.642	14.3	19.9
2 1	11 0.59	+12 13.0	1.738	2.634	11.0	19.7
2 11	10 55.29	+13 3.3	1.675	2.626	7.2	19.4
2 21	10 48.25	+13 58.2	1.638	2.619	3.3	19.2
3 2	10 40.33	+14 50.9	1.628	2.613	3.1	19.2
3 12	10 32.61	+15 34.4	1.646	2.607	7.0	19.4
3 22	10 26.10	+16 3.8	1.689	2.602	10.9	19.6
4 1	10 21.57	+16 16.5	1.755	2.598	14.5	19.8

79524 1998 OY_{9} 2 28.4 254°.46 0°.2/28.6 18

1 22	11 8.41	+ 4 2.5	1.625	2.419	16.9	20.4
2 1	11 4.79	+ 4 37.4	1.523	2.402	13.3	20.1
2 11	10 58.40	+ 5 32.3	1.442	2.385	9.0	19.8
2 21	10 49.74	+ 6 43.3	1.387	2.367	4.0	19.4
3 2	10 39.77	+ 8 3.4	1.358	2.349	1.3	19.2
3 12	10 29.79	+ 9 23.2	1.358	2.330	6.7	19.5
3 22	10 21.10	+10 33.7	1.384	2.310	11.8	19.7
4 1	10 14.77	+11 28.5	1.433	2.290	16.3	20.0

107761 2001 FS_{38} 2 28.4 348°.32 2°.0/29.8 18

1 22	11 7.43	+ 2 25.8	1.464	2.262	18.2	19.7
2 1	11 4.07	+ 2 16.0	1.381	2.259	14.5	19.5
2 11	10 57.87	+ 2 24.5	1.317	2.256	10.1	19.2
2 21	10 49.46	+ 2 49.1	1.277	2.254	5.2	18.9
3 2	10 39.91	+ 3 25.2	1.263	2.252	2.1	18.7
3 12	10 30.61	+ 4 5.9	1.275	2.251	6.4	19.0
3 22	10 22.84	+ 4 44.0	1.312	2.250	11.3	19.2
4 1	10 17.58	+ 5 13.5	1.372	2.249	15.6	19.5

203858 2002 VO_{133} 2 28.4 99°.88 2°.3/ 1.8 18

1 22	11 5.10	− 1 5.0	2.336	3.092	13.5	20.5
2 1	11 1.08	− 0 59.6	2.250	3.102	10.8	20.3
2 11	10 55.26	− 0 39.3	2.188	3.111	7.7	20.1
2 21	10 48.14	− 0 6.0	2.151	3.120	4.4	19.9
3 2	10 40.40	+ 0 37.1	2.143	3.129	2.3	19.8
3 12	10 32.88	+ 1 25.1	2.165	3.138	4.4	20.0
3 22	10 26.32	+ 2 13.0	2.215	3.147	7.7	20.2
4 1	10 21.32	+ 2 56.2	2.292	3.155	10.7	20.4

249047 2007 TC_{91} 2 28.4 320°.84 3°.3/ 4.5 18

1 22	10 58.61	− 8 20.1	3.374	4.082	10.6	20.4
2 1	10 55.67	− 8 9.9	3.265	4.076	8.8	20.2
2 11	10 51.51	− 7 45.6	3.180	4.070	6.8	20.1
2 21	10 46.47	− 7 7.8	3.120	4.065	4.7	19.9
3 2	10 40.98	− 6 18.4	3.090	4.059	3.3	19.8
3 12	10 35.57	− 5 20.6	3.089	4.054	3.9	19.8
3 22	10 30.73	− 4 18.4	3.118	4.048	5.7	20.0
4 1	10 26.88	− 3 15.9	3.174	4.043	7.9	20.1

256551 2007 OM_{3} 2 28.4 216°.67 7°.7/ 2.4 18

1 22	11 21.31	− 3 30.6	1.310	2.069	21.9	20.5
2 1	11 15.52	− 5 13.7	1.221	2.066	18.4	20.3
2 11	11 5.94	− 6 40.7	1.152	2.062	14.2	20.0
2 21	10 53.17	− 7 46.6	1.105	2.058	9.9	19.7
3 2	10 38.57	− 8 27.6	1.083	2.054	7.7	19.6
3 12	10 24.06	− 8 44.6	1.088	2.049	9.6	19.7
3 22	10 11.51	− 8 42.8	1.117	2.044	13.9	19.9
4 1	10 2.32	− 8 30.3	1.169	2.039	18.3	20.1

289551 2005 EW_{233} 2 28.4 302°.26 5°.3/23.8 17

1 22	11 5.04	+15 33.6	1.482	2.317	16.2	20.4
2 1	11 2.54	+16 57.6	1.389	2.293	12.6	20.1
2 11	10 57.11	+18 35.3	1.317	2.270	8.6	19.8
2 21	10 49.25	+20 17.1	1.271	2.246	5.5	19.5
3 2	10 39.96	+21 50.7	1.251	2.223	6.6	19.5
3 12	10 30.68	+23 4.4	1.256	2.200	10.7	19.7
3 22	10 22.82	+23 51.0	1.285	2.177	15.2	19.9
4 1	10 17.56	+24 7.9	1.333	2.155	19.3	20.1

167565 2004 BQ_{43} 2 28.4 33°.79 0°.5/27.9 18

1 22	11 4.90	+ 7 20.0	1.923	2.724	14.4	20.0
2 1	11 1.31	+ 7 45.9	1.847	2.731	11.1	19.8
2 11	10 55.60	+ 8 23.7	1.793	2.739	7.3	19.6
2 21	10 48.33	+ 9 9.2	1.765	2.747	3.1	19.3
3 2	10 40.36	+ 9 56.7	1.766	2.755	1.4	19.2
3 12	10 32.68	+10 40.1	1.795	2.764	5.6	19.5
3 22	10 26.19	+11 14.5	1.851	2.773	9.5	19.8
4 1	10 21.58	+11 36.6	1.930	2.783	12.9	20.0

209921 2005 SF_{182} 2 28.4 242°.51 1°.2/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 6.01	+11 9.6	2.878	3.665	10.4	21.0
2 1	11 1.56	+11 33.7	2.773	3.652	8.0	20.8
2 11	10 55.51	+12 4.0	2.693	3.638	5.2	20.6
2 21	10 48.25	+12 37.2	2.642	3.623	2.3	20.4
3 2	10 40.37	+13 9.4	2.622	3.609	1.8	20.3
3 12	10 32.58	+13 36.9	2.633	3.594	4.7	20.5
3 22	10 25.53	+13 56.6	2.672	3.578	7.7	20.7
4 1	10 19.79	+14 6.6	2.738	3.563	10.4	20.8

516 Amherstia 2 28.4 317°.87 2°.1/29.5 18 A

1 22	11 10.76	+ 5 6.3	1.550	2.347	17.4	12.0
2 1	11 6.91	+ 4 22.8	1.440	2.318	14.0	11.7
2 11	11 0.02	+ 3 49.5	1.350	2.290	9.9	11.4
2 21	10 50.57	+ 3 25.9	1.285	2.262	5.1	11.0
3 2	10 39.51	+ 3 10.0	1.245	2.234	2.3	10.7
3 12	10 28.30	+ 2 58.3	1.233	2.208	6.8	11.0
3 22	10 18.39	+ 2 46.9	1.246	2.182	12.0	11.2
4 1	10 11.04	+ 2 31.8	1.282	2.156	16.7	11.4

115131 2003 SB_{53} 2 28.4 202°.82 2°.4/ 1.4 17

1 22	11 11.58	+ 0 26.5	2.013	2.772	15.2	20.4
2 1	11 6.54	+ 0 16.0	1.914	2.768	12.2	20.2
2 11	10 59.15	+ 0 20.4	1.838	2.764	8.7	19.9
2 21	10 49.95	+ 0 38.6	1.788	2.759	4.8	19.7
3 2	10 39.79	+ 1 7.5	1.766	2.753	2.4	19.5
3 12	10 29.76	+ 1 42.4	1.774	2.746	5.3	19.7
3 22	10 20.88	+ 2 17.8	1.811	2.739	9.3	19.9
4 1	10 14.00	+ 2 48.9	1.872	2.732	12.9	20.1

267949 2004 EW_{76} 2 28.4 0°.68 1°.1/27.4 17

1 22	11 1.94	+ 7 51.6	1.731	2.545	15.1	20.1
2 1	10 59.36	+ 8 32.8	1.651	2.544	11.7	19.8
2 11	10 54.50	+ 9 28.2	1.593	2.543	7.6	19.6
2 21	10 47.92	+10 32.4	1.560	2.543	3.2	19.3
3 2	10 40.51	+11 38.1	1.555	2.543	2.0	19.2
3 12	10 33.34	+12 37.7	1.577	2.545	6.4	19.5
3 22	10 27.40	+13 25.0	1.624	2.547	10.6	19.8
4 1	10 23.47	+13 56.1	1.695	2.550	14.3	20.0

101967 1999 RQ_{43} 2 28.4 213°.97 1°.0/29.3 18

1 22	11 10.99	+ 1 55.6	1.981	2.748	15.2	20.3
2 1	11 6.22	+ 2 26.3	1.876	2.739	12.1	20.1
2 11	10 59.03	+ 3 14.7	1.795	2.728	8.3	19.8
2 21	10 49.94	+ 4 17.9	1.739	2.716	4.0	19.5
3 2	10 39.79	+ 5 30.3	1.714	2.703	1.3	19.3
3 12	10 29.69	+ 6 44.7	1.718	2.689	5.6	19.6
3 22	10 20.70	+ 7 53.8	1.751	2.674	9.9	19.8
4 1	10 13.72	+ 8 51.7	1.809	2.658	13.8	20.0

114362 2002 XK_{86} 2 28.4 138°.88 2°.4/26.7 18

1 22	11 13.77	+11 39.7	1.651	2.456	16.2	20.4
2 1	11 8.52	+12 17.5	1.579	2.466	12.4	20.2
2 11	11 0.54	+13 5.5	1.529	2.476	8.1	20.0
2 21	10 50.53	+13 57.0	1.505	2.486	3.7	19.7
3 2	10 39.62	+14 44.4	1.510	2.495	3.2	19.7
3 12	10 29.16	+15 20.5	1.542	2.503	7.4	20.0
3 22	10 20.32	+15 41.1	1.602	2.510	11.7	20.2
4 1	10 13.96	+15 44.7	1.683	2.517	15.4	20.5

489463 2007 DX_{8} 2 28.4 322°.28 3°.0/26.3 18

1 22	11 5.26	+10 17.9	1.199	2.036	19.0	21.1
2 1	11 3.11	+11 11.5	1.119	2.025	14.8	20.8
2 11	10 57.66	+12 23.7	1.059	2.015	9.7	20.5
2 21	10 49.52	+13 46.3	1.022	2.005	4.5	20.2
3 2	10 39.93	+15 7.6	1.010	1.995	4.2	20.1
3 12	10 30.56	+16 15.2	1.022	1.987	9.5	20.4
3 22	10 23.00	+17 0.5	1.056	1.979	15.0	20.6
4 1	10 18.42	+17 19.5	1.109	1.971	19.7	20.9

155133 2005 TW_{140} 2 28.4 182°.11 1°.1/27.6 18

1 22	11 10.12	+ 7 28.0	1.593	2.396	16.7	21.1
2 1	11 5.93	+ 8 8.8	1.511	2.397	13.0	20.9
2 11	10 58.99	+ 9 5.5	1.451	2.398	8.5	20.6
2 21	10 49.93	+10 12.3	1.416	2.398	3.6	20.3
3 2	10 39.81	+11 21.1	1.408	2.397	2.1	20.2
3 12	10 29.96	+12 23.1	1.429	2.396	7.0	20.5
3 22	10 21.62	+13 11.5	1.475	2.395	11.7	20.8
4 1	10 15.70	+13 42.3	1.544	2.393	15.8	21.0

205661 2001 XT_{158} 2 28.4 341°.36 5°.6/24.1 18

1 22	11 4.40	+15 28.5	1.223	2.070	18.1	19.3
2 1	11 2.35	+16 49.3	1.152	2.063	14.0	19.0
2 11	10 57.07	+18 23.1	1.101	2.056	9.5	18.7
2 21	10 49.22	+19 58.5	1.073	2.050	5.9	18.5
3 2	10 40.05	+21 22.0	1.070	2.044	6.9	18.5
3 12	10 31.21	+22 21.7	1.090	2.040	11.3	18.7
3 22	10 24.21	+22 51.7	1.133	2.036	15.9	19.0
4 1	10 20.14	+22 51.0	1.194	2.033	20.0	19.2

394870 2008 TD_{180} 2 28.4 188°.07 2°.2/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 10.05	+ 9 43.4	1.813	2.614	15.1	21.7
2 1	11 5.59	+10 46.3	1.727	2.614	11.6	21.5
2 11	10 58.63	+12 2.7	1.665	2.613	7.6	21.2
2 21	10 49.74	+13 26.1	1.630	2.611	3.4	21.0
3 2	10 39.88	+14 47.9	1.624	2.609	3.1	20.9
3 12	10 30.24	+15 59.4	1.647	2.605	7.2	21.2
3 22	10 21.91	+16 54.6	1.696	2.601	11.4	21.4
4 1	10 15.76	+17 30.2	1.769	2.597	15.0	21.6

453235 2008 PU_3 2 28.4 167°.31 3°.1/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.19	− 3 7.6	2.018	2.762	15.7	23.2
2 1	11 6.14	− 3 1.4	1.927	2.768	12.7	23.0
2 11	10 58.82	− 2 36.2	1.857	2.774	9.2	22.8
2 21	10 49.78	− 1 53.5	1.813	2.779	5.5	22.6
3 2	10 39.89	− 0 56.9	1.799	2.782	3.1	22.4
3 12	10 30.20	+ 0 7.4	1.814	2.785	5.3	22.6
3 22	10 21.71	+ 1 12.7	1.857	2.787	9.0	22.8
4 1	10 15.18	+ 2 12.7	1.926	2.788	12.6	23.0

322913 2002 CM_1 2 28.4 118°.23 14°.6/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 30.35	−41 28.2	2.594	2.982	18.7	22.1
2 1	11 21.56	−43 47.9	2.527	3.013	17.9	22.0
2 11	11 9.45	−45 40.3	2.473	3.042	16.9	22.0
2 21	10 54.61	−46 57.5	2.436	3.069	16.0	21.9
3 2	10 38.16	−47 33.6	2.417	3.096	15.2	21.9
3 12	10 21.71	−47 27.4	2.419	3.121	14.7	21.9
3 22	10 6.81	−46 42.9	2.442	3.145	14.6	21.9
4 1	9 54.70	−45 28.7	2.484	3.167	14.9	22.0

155281 2005 WX_{184} 2 28.4 120°.11 0°.1/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.18	+ 5 24.8	2.095	2.878	14.0	21.6
2 1	11 3.64	+ 5 48.9	2.017	2.890	10.8	21.4
2 11	10 57.03	+ 6 25.5	1.962	2.902	7.2	21.2
2 21	10 48.95	+ 7 10.6	1.934	2.914	3.2	21.0
3 2	10 40.20	+ 7 59.4	1.935	2.925	1.0	20.8
3 12	10 31.75	+ 8 45.9	1.966	2.936	5.1	21.1
3 22	10 24.45	+ 9 25.4	2.024	2.947	8.9	21.4
4 1	10 18.96	+ 9 54.5	2.108	2.957	12.1	21.6

335564 2006 BL_{262} 2 28.4 285°.97 0°.5/28.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.93	+ 7 39.9	1.985	2.781	14.2	21.4
2 1	11 3.07	+ 7 56.9	1.884	2.765	11.1	21.2
2 11	10 56.93	+ 8 25.6	1.805	2.750	7.3	20.9
2 21	10 49.02	+ 9 2.2	1.753	2.734	3.2	20.6
3 2	10 40.14	+ 9 41.8	1.729	2.718	1.4	20.5
3 12	10 31.35	+10 18.5	1.734	2.703	5.8	20.7
3 22	10 23.64	+10 47.3	1.765	2.687	10.0	20.9
4 1	10 17.83	+11 4.6	1.821	2.672	13.7	21.1

208230 2000 SO_{254} 2 28.4 195°.49 1°.5/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.27	+ 9 21.1	2.056	2.848	13.9	21.9
2 1	11 5.47	+10 6.6	1.964	2.845	10.7	21.7
2 11	10 58.41	+11 3.6	1.897	2.842	7.0	21.5
2 21	10 49.62	+12 6.8	1.856	2.838	3.0	21.2
3 2	10 39.95	+13 9.7	1.846	2.833	2.3	21.2
3 12	10 30.46	+14 5.4	1.865	2.827	6.2	21.4
3 22	10 22.11	+14 48.8	1.913	2.820	10.1	21.6
4 1	10 15.71	+15 16.9	1.984	2.813	13.6	21.8

352670 2008 RU_{87} 2 28.4 79°.57 3°.0/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.25	− 0 14.1	1.423	2.209	19.2	21.1
2 1	11 6.19	− 0 24.6	1.351	2.219	15.4	20.8
2 11	10 59.21	− 0 13.7	1.298	2.230	10.9	20.6
2 21	10 50.03	+ 0 16.8	1.268	2.240	6.1	20.3
3 2	10 39.83	+ 1 2.1	1.263	2.251	3.0	20.2
3 12	10 30.04	+ 1 54.4	1.286	2.261	6.5	20.4
3 22	10 21.94	+ 2 45.7	1.334	2.271	11.1	20.7
4 1	10 16.47	+ 3 28.9	1.405	2.282	15.4	21.0

424946 2008 YJ_{118} 2 28.4 168°.68 2°.7/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.66	− 1 13.7	2.476	3.222	13.0	21.9
2 1	11 3.02	− 1 31.3	2.380	3.224	10.5	21.7
2 11	10 56.56	− 1 36.1	2.308	3.225	7.6	21.5
2 21	10 48.75	− 1 28.9	2.261	3.226	4.6	21.3
3 2	10 40.28	− 1 11.6	2.245	3.227	2.7	21.2
3 12	10 31.96	− 0 47.8	2.258	3.228	4.5	21.3
3 22	10 24.54	− 0 21.3	2.300	3.229	7.6	21.5
4 1	10 18.66	+ 0 3.7	2.368	3.229	10.5	21.7

169521 2002 EA_{33} 2 28.4 197°.20 3°.4/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.65	+13 48.9	1.865	2.675	14.4	20.8
2 1	11 5.26	+14 53.9	1.782	2.673	11.1	20.6
2 11	10 58.40	+16 8.4	1.722	2.670	7.3	20.3
2 21	10 49.65	+17 25.1	1.689	2.667	4.0	20.1
3 2	10 39.97	+18 35.6	1.685	2.663	4.3	20.1
3 12	10 30.50	+19 32.0	1.709	2.658	7.9	20.3
3 22	10 22.34	+20 9.7	1.760	2.653	11.7	20.6
4 1	10 16.32	+20 26.9	1.833	2.648	15.1	20.8

505007 2011 NK_3 2 28.4 150°.40 4°.9/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 6.31	−11 53.8	3.143	3.816	11.9	22.0
2 1	11 1.61	−12 22.6	3.046	3.824	10.1	21.9
2 11	10 55.46	−12 36.5	2.970	3.832	8.2	21.8
2 21	10 48.23	−12 34.9	2.920	3.839	6.2	21.6
3 2	10 40.48	−12 18.5	2.899	3.847	5.0	21.6
3 12	10 32.85	−11 49.6	2.907	3.853	5.2	21.6
3 22	10 25.92	−11 11.7	2.944	3.859	6.7	21.7
4 1	10 20.22	−10 29.0	3.009	3.865	8.7	21.8

83942 2001 WC_{12} 2 28.4 126°.52 0°.2/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.17	+ 4 38.3	2.727	3.500	11.3	20.9
2 1	11 0.11	+ 5 12.3	2.644	3.512	8.8	20.7
2 11	10 54.51	+ 5 56.9	2.586	3.524	5.8	20.6
2 21	10 47.82	+ 6 48.7	2.556	3.535	2.6	20.4
3 2	10 40.64	+ 7 43.8	2.556	3.546	0.8	20.2
3 12	10 33.65	+ 8 37.4	2.587	3.557	4.1	20.5
3 22	10 27.49	+ 9 25.4	2.647	3.567	7.1	20.7
4 1	10 22.65	+10 4.6	2.733	3.577	9.8	20.9

309223 2007 PX_{21} 2 28.4 142°.40 1°.8/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.91	+ 9 31.9	1.952	2.749	14.3	21.6
2 1	11 5.17	+10 30.0	1.877	2.761	11.0	21.4
2 11	10 58.15	+11 39.6	1.826	2.772	7.1	21.1
2 21	10 49.49	+12 54.6	1.802	2.783	3.1	20.9
3 2	10 40.07	+14 7.6	1.807	2.793	2.7	20.9
3 12	10 30.97	+15 11.1	1.842	2.802	6.5	21.2
3 22	10 23.14	+16 0.1	1.905	2.810	10.3	21.4
4 1	10 17.33	+16 31.9	1.991	2.818	13.6	21.6

216934 1999 KT_{19} 2 28.4 338°.62 6°.3/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 0.22	−13 3.5	1.992	2.705	16.8	19.7
2 1	10 57.88	−13 4.9	1.892	2.697	14.4	19.5
2 11	10 53.50	−12 40.0	1.810	2.690	11.6	19.2
2 21	10 47.53	−11 47.8	1.750	2.683	8.7	19.1
3 2	10 40.72	−10 30.1	1.717	2.677	6.5	18.9
3 12	10 34.02	− 8 52.5	1.710	2.671	6.7	18.9
3 22	10 28.32	− 7 3.7	1.730	2.666	9.1	19.0
4 1	10 24.37	− 5 13.1	1.775	2.661	12.2	19.2

459095 2012 BR_{88} 2 28.4 101°.34 1°.8/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.58	+10 17.8	1.808	2.608	15.2	21.7
2 1	11 6.48	+10 57.3	1.744	2.629	11.6	21.5
2 11	10 58.99	+11 46.9	1.703	2.650	7.5	21.3
2 21	10 49.82	+12 40.6	1.688	2.670	3.3	21.1
3 2	10 39.98	+13 31.4	1.703	2.689	2.6	21.1
3 12	10 30.61	+14 13.1	1.746	2.708	6.5	21.4
3 22	10 22.71	+14 41.3	1.816	2.727	10.4	21.6
4 1	10 17.00	+14 54.2	1.910	2.745	13.8	21.9

132441 2002 GV_{174} 2 28.4 54°.28 3°.1/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.44	+10 41.7	1.426	2.252	17.2	19.7
2 1	11 3.30	+11 53.6	1.359	2.259	13.2	19.5
2 11	10 57.33	+13 20.4	1.313	2.266	8.5	19.3
2 21	10 49.24	+14 53.3	1.292	2.274	4.1	19.0
3 2	10 40.17	+16 21.3	1.298	2.281	4.2	19.0
3 12	10 31.50	+17 34.0	1.330	2.289	8.6	19.3
3 22	10 24.48	+18 24.9	1.387	2.298	13.0	19.6
4 1	10 19.98	+18 51.6	1.465	2.306	16.9	19.8

146446 2001 RA_3 2 28.4 112°.28 4°.6/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.93	− 6 52.9	2.067	2.796	15.8	20.6
2 1	11 4.27	− 7 8.6	1.987	2.812	13.1	20.4
2 11	10 57.51	− 7 4.6	1.927	2.828	9.9	20.2
2 21	10 49.20	− 6 41.1	1.892	2.843	6.7	20.1
3 2	10 40.19	− 6 0.6	1.885	2.858	4.7	20.0
3 12	10 31.46	− 5 8.0	1.907	2.873	5.7	20.0
3 22	10 23.91	− 4 9.7	1.956	2.887	8.6	20.2
4 1	10 18.21	− 3 12.0	2.031	2.900	11.7	20.5

178919 2001 QT_{11} 2 28.5 194°.90 0°.4/28.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.23	+ 7 15.2	2.216	2.999	13.3	21.2
2 1	11 4.49	+ 7 39.3	2.123	2.997	10.3	21.0
2 11	10 57.67	+ 8 14.3	2.053	2.995	6.8	20.8
2 21	10 49.31	+ 8 56.5	2.010	2.991	2.9	20.5
3 2	10 40.16	+ 9 40.9	1.998	2.988	1.3	20.4
3 12	10 31.18	+10 22.1	2.015	2.983	5.3	20.6
3 22	10 23.24	+10 55.7	2.061	2.978	9.0	20.8
4 1	10 17.08	+11 18.5	2.132	2.973	12.3	21.0

365208 2009 HO_4 2 28.5 354°.06 2°.5/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 59.88	− 1 50.0	1.249	2.057	20.2	21.0
2 1	10 58.65	− 1 19.2	1.170	2.052	16.3	20.7
2 11	10 54.54	− 0 17.8	1.109	2.048	11.5	20.4
2 21	10 48.14	+ 1 11.1	1.069	2.045	6.2	20.1
3 2	10 40.54	+ 2 59.5	1.054	2.043	2.5	19.8
3 12	10 33.19	+ 4 54.5	1.064	2.042	6.8	20.1
3 22	10 27.41	+ 6 42.6	1.098	2.043	12.2	20.4
4 1	10 24.25	+ 8 13.1	1.153	2.044	17.0	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
187067 2005 MX_{41}			2 28.5	62°.70	0°.2/28.3	18 R
	h m	° ′			°	m
1 22	11 7.41	+ 5 56.7	1.644	2.446	16.4	20.4
2 1	11 3.61	+ 6 23.7	1.572	2.456	12.7	20.2
2 11	10 57.32	+ 7 6.0	1.521	2.467	8.4	20.0
2 21	10 49.18	+ 7 58.7	1.496	2.477	3.6	19.7
3 2	10 40.22	+ 8 55.1	1.498	2.488	1.4	19.5
3 12	10 31.63	+ 9 47.6	1.528	2.499	6.2	19.9
3 22	10 24.49	+10 30.1	1.584	2.510	10.6	20.2
4 1	10 19.56	+10 58.7	1.663	2.521	14.4	20.4
82247 2001 JR_{10}			2 28.5	151°.72	0°.2/28.3	18
1 22	11 13.07	+ 6 9.1	1.814	2.599	15.7	19.7
2 1	11 7.78	+ 6 34.6	1.734	2.609	12.2	19.5
2 11	10 59.99	+ 7 13.9	1.677	2.618	8.1	19.3
2 21	10 50.34	+ 8 2.6	1.646	2.626	3.5	19.0
3 2	10 39.83	+ 8 54.5	1.644	2.634	1.3	18.9
3 12	10 29.65	+ 9 42.7	1.672	2.641	6.0	19.2
3 22	10 20.89	+10 21.8	1.727	2.647	10.3	19.5
4 1	10 14.36	+10 48.1	1.806	2.652	14.0	19.7
371997 2008 HO_{14}			2 28.5	289°.09	0°.4/28.2	17
1 22	11 7.84	+ 7 13.9	1.737	2.538	15.6	21.6
2 1	11 4.11	+ 7 28.9	1.640	2.524	12.3	21.3
2 11	10 57.83	+ 7 57.3	1.564	2.510	8.2	21.0
2 21	10 49.51	+ 8 35.3	1.514	2.496	3.6	20.7
3 2	10 40.07	+ 9 17.2	1.491	2.481	1.4	20.5
3 12	10 30.73	+ 9 56.3	1.497	2.467	6.3	20.8
3 22	10 22.65	+10 26.8	1.528	2.453	11.0	21.1
4 1	10 16.75	+10 44.6	1.582	2.439	15.0	21.3
19619 Bethbell			2 28.5	227°.48	0°.7/29.1	18
1 22	11 6.53	+ 2 21.6	1.822	2.606	15.7	19.2
2 1	11 2.92	+ 3 0.0	1.727	2.599	12.4	19.0
2 11	10 56.93	+ 3 57.5	1.654	2.592	8.4	18.7
2 21	10 49.08	+ 5 10.4	1.606	2.585	3.9	18.5
3 2	10 40.23	+ 6 32.3	1.587	2.577	1.2	18.2
3 12	10 31.51	+ 7 54.8	1.597	2.569	5.8	18.5
3 22	10 23.97	+ 9 9.9	1.633	2.561	10.2	18.8
4 1	10 18.46	+10 11.5	1.694	2.552	14.2	19.0
374509 2005 YP_{204}			2 28.5	122°.46	2°.0/ 1.2	17
1 22	11 7.32	+ 0 57.1	2.022	2.792	14.8	21.4
2 1	11 3.16	+ 0 57.0	1.934	2.795	11.8	21.2
2 11	10 56.86	+ 1 12.1	1.868	2.798	8.3	21.0
2 21	10 48.97	+ 1 40.5	1.828	2.801	4.4	20.7
3 2	10 40.29	+ 2 18.4	1.817	2.805	2.0	20.6
3 12	10 31.84	+ 3 0.5	1.834	2.808	5.0	20.8
3 22	10 24.50	+ 3 41.5	1.879	2.811	8.8	21.0
4 1	10 19.02	+ 4 16.4	1.949	2.813	12.3	21.2
366179 2012 GE_{34}			2 28.5	315°.52	3°.0/ 2.0	18
1 22	11 4.27	− 2 8.1	1.681	2.457	17.1	20.8
2 1	11 1.36	− 2 0.8	1.588	2.450	13.9	20.5
2 11	10 55.99	− 1 31.5	1.515	2.443	10.0	20.3
2 21	10 48.70	− 0 41.7	1.466	2.436	5.8	20.0
3 2	10 40.37	+ 0 24.2	1.444	2.430	3.0	19.8
3 12	10 32.18	+ 1 38.7	1.448	2.423	5.8	20.0
3 22	10 25.23	+ 2 53.4	1.479	2.418	10.2	20.2
4 1	10 20.40	+ 4 0.3	1.534	2.412	14.2	20.4
201429 2003 AH_{66}			2 28.5	12°.03	0°.8/27.8	17
1 22	11 11.42	+10 58.8	2.128	2.920	13.5	19.6
2 1	11 6.18	+10 48.9	2.041	2.921	10.4	19.4
2 11	10 58.77	+10 45.0	1.978	2.922	6.9	19.2
2 21	10 49.77	+10 43.9	1.942	2.923	2.9	19.0
3 2	10 40.04	+10 42.0	1.936	2.925	1.6	18.9
3 12	10 30.60	+10 36.0	1.960	2.927	5.4	19.1
3 22	10 22.35	+10 23.4	2.012	2.929	9.2	19.4
4 1	10 16.01	+10 2.9	2.088	2.932	12.4	19.6
105395 2000 QD_{142}			2 28.5	128°.39	0°.1/28.3	18
1 22	11 4.42	+ 6 1.8	2.790	3.566	11.0	20.6
2 1	11 0.28	+ 6 32.1	2.706	3.577	8.5	20.4
2 11	10 54.63	+ 7 11.7	2.648	3.588	5.6	20.2
2 21	10 47.90	+ 7 57.4	2.618	3.599	2.4	20.0
3 2	10 40.69	+ 8 45.3	2.619	3.609	0.9	19.9
3 12	10 33.67	+ 9 31.1	2.650	3.619	4.1	20.2
3 22	10 27.46	+10 11.0	2.710	3.628	7.1	20.4
4 1	10 22.55	+10 42.5	2.797	3.637	9.7	20.6
22682 1998 QU_{47}			2 28.5	76°.53	0°.5/28.9	18
1 22	11 5.46	+ 4 15.8	2.031	2.817	14.2	18.3
2 1	11 1.70	+ 4 39.7	1.947	2.822	11.1	18.1
2 11	10 55.88	+ 5 17.7	1.886	2.826	7.5	17.9
2 21	10 48.54	+ 6 6.0	1.851	2.831	3.4	17.6
3 2	10 40.46	+ 6 59.7	1.845	2.835	1.0	17.4
3 12	10 32.62	+ 7 52.6	1.868	2.840	5.1	17.7
3 22	10 25.88	+ 8 39.2	1.918	2.844	9.0	18.0
4 1	10 20.94	+ 9 15.4	1.993	2.849	12.4	18.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
492674 2014 PK_{26}			2 28.5	167°.90	1°.6/26.9	18
	h m	° ′			°	m
1 22	11 10.05	+ 9 40.8	2.082	2.874	13.7	22.7
2 1	11 5.21	+10 28.5	1.998	2.879	10.5	22.5
2 11	10 58.19	+11 26.8	1.939	2.884	6.9	22.2
2 21	10 49.54	+12 30.5	1.907	2.888	3.0	22.0
3 2	10 40.12	+13 32.9	1.905	2.891	2.4	22.0
3 12	10 30.94	+14 27.5	1.932	2.893	6.1	22.2
3 22	10 22.93	+15 9.5	1.988	2.895	9.9	22.4
4 1	10 16.83	+15 36.3	2.068	2.895	13.1	22.7
80117 1999 RS_{111}			2 28.5	236°.44	4°.0/ 4.9	17
1 22	11 2.90	− 9 52.2	2.999	3.696	12.0	20.3
2 1	10 59.20	− 9 47.5	2.882	3.683	10.1	20.2
2 11	10 54.00	− 9 26.3	2.787	3.669	7.9	20.0
2 21	10 47.68	− 8 48.6	2.717	3.655	5.7	19.8
3 2	10 40.75	− 7 56.0	2.676	3.641	4.1	19.7
3 12	10 33.85	− 6 52.2	2.665	3.626	4.6	19.7
3 22	10 27.60	− 5 41.6	2.684	3.611	6.7	19.8
4 1	10 22.53	− 4 29.6	2.730	3.596	9.1	20.0
206124 2002 SH_{4}			2 28.5	45°.98	13°.3/ 4.5	18
1 22	11 20.34	−10 19.4	1.085	1.836	26.1	20.1
2 1	11 15.35	−13 5.6	1.017	1.842	22.7	19.8
2 11	11 6.16	−15 28.9	0.964	1.848	18.9	19.6
2 21	10 53.43	−17 18.1	0.931	1.855	15.4	19.4
3 2	10 38.73	−18 23.9	0.920	1.862	13.4	19.3
3 12	10 24.30	−18 45.0	0.930	1.870	14.1	19.4
3 22	10 12.26	−18 28.8	0.962	1.878	16.8	19.6
4 1	10 4.13	−17 48.7	1.013	1.886	20.3	19.8
15582 Russellburrows			2 28.5	98°.07	0°.5/27.9	18
1 22	11 6.17	+ 7 25.2	2.253	3.042	12.9	19.4
2 1	11 2.00	+ 7 51.4	2.174	3.052	9.9	19.3
2 11	10 55.94	+ 8 27.9	2.118	3.061	6.5	19.1
2 21	10 48.52	+ 9 10.7	2.089	3.070	2.8	18.8
3 2	10 40.49	+ 9 55.1	2.090	3.080	1.3	18.7
3 12	10 32.71	+10 35.9	2.121	3.089	5.0	19.0
3 22	10 25.97	+11 9.0	2.179	3.098	8.5	19.2
4 1	10 20.89	+11 31.4	2.262	3.106	11.6	19.4
272899 2006 BS_{142}			2 28.5	63°.04	0°.7/27.8	18
1 22	11 4.92	+ 6 36.7	1.942	2.739	14.4	20.6
2 1	11 1.41	+ 7 18.9	1.860	2.743	11.1	20.4
2 11	10 55.75	+ 8 14.9	1.801	2.746	7.3	20.2
2 21	10 48.50	+ 9 19.8	1.768	2.750	3.1	19.9
3 2	10 40.49	+10 27.2	1.764	2.753	1.6	19.8
3 12	10 32.71	+11 29.9	1.789	2.757	5.8	20.1
3 22	10 26.08	+12 22.2	1.840	2.761	9.7	20.4
4 1	10 21.32	+13 0.2	1.916	2.764	13.2	20.6
370813 2004 TN_{286}			2 28.5	119°.69	2°.4/26.1	18
1 22	11 8.81	+13 14.7	2.148	2.950	13.0	21.6
2 1	11 4.11	+13 56.2	2.074	2.961	9.9	21.4
2 11	10 57.37	+14 44.3	2.025	2.972	6.5	21.2
2 21	10 49.15	+15 33.7	2.004	2.983	3.2	21.0
3 2	10 40.29	+16 18.4	2.011	2.993	3.1	21.0
3 12	10 31.75	+16 53.0	2.049	3.003	6.4	21.2
3 22	10 24.38	+17 14.3	2.113	3.013	9.7	21.5
4 1	10 18.84	+17 21.0	2.202	3.023	12.7	21.7
517191 2013 TQ_{163}			2 28.5	140°.50	1°.3/27.2	17
1 22	11 6.20	+ 9 10.2	2.181	2.977	13.0	21.9
2 1	11 2.15	+ 9 49.7	2.098	2.982	10.0	21.7
2 11	10 56.11	+10 39.3	2.040	2.986	6.5	21.5
2 21	10 48.63	+11 34.4	2.008	2.990	2.8	21.3
3 2	10 40.47	+12 29.2	2.006	2.993	2.0	21.2
3 12	10 32.53	+13 17.9	2.033	2.997	5.6	21.5
3 22	10 25.64	+13 56.0	2.088	3.000	9.2	21.7
4 1	10 20.47	+14 20.9	2.168	3.004	12.3	21.9
328922 2010 UF_{57}			2 28.5	21°.28	3°.7/ 2.1	18
1 22	11 5.69	− 1 3.4	1.385	2.177	19.3	20.2
2 1	11 2.76	− 1 25.9	1.313	2.184	15.6	19.9
2 11	10 57.02	− 1 26.7	1.261	2.192	11.2	19.7
2 21	10 49.15	− 1 6.7	1.231	2.201	6.6	19.5
3 2	10 40.29	− 0 29.8	1.226	2.211	3.7	19.3
3 12	10 31.81	+ 0 16.7	1.246	2.222	6.5	19.5
3 22	10 24.94	+ 1 4.7	1.291	2.233	11.0	19.8
4 1	10 20.58	+ 1 46.8	1.359	2.246	15.1	20.1
94401 2001 ST_{270}			2 28.5	41°.62	1°.2/27.8	18
1 22	11 12.64	+10 2.0	1.324	2.142	18.7	18.6
2 1	11 8.30	+10 5.0	1.254	2.148	14.5	18.4
2 11	11 0.76	+10 19.9	1.205	2.154	9.6	18.1
2 21	10 50.80	+10 41.4	1.179	2.161	4.1	17.8
3 2	10 39.74	+11 2.6	1.179	2.168	2.2	17.7
3 12	10 29.20	+11 16.7	1.205	2.175	7.6	18.0
3 22	10 20.59	+11 19.1	1.256	2.183	12.7	18.3
4 1	10 14.87	+11 7.7	1.328	2.191	17.0	18.6

11832 Pustylnik 2 28.5 224°.77 1°.6/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 9.27	+ 9 31.0	2.035	2.830	13.9	19.1
2 1	11 4.84	+10 15.9	1.937	2.820	10.7	18.9
2 11	10 58.11	+11 12.5	1.863	2.809	7.0	18.6
2 21	10 49.60	+12 15.9	1.816	2.797	3.1	18.3
3 2	10 40.13	+13 19.4	1.798	2.784	2.4	18.3
3 12	10 30.75	+14 15.9	1.810	2.771	6.4	18.5
3 22	10 22.47	+15 0.0	1.849	2.758	10.4	18.7
4 1	10 16.13	+15 28.6	1.912	2.743	13.9	18.9

168493 1999 RQ_{163} 2 28.5 86°.27 1°.2/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.80	+ 2 31.6	1.636	2.422	17.1	20.1
2 1	11 5.39	+ 2 48.3	1.568	2.440	13.4	19.9
2 11	10 58.45	+ 3 22.9	1.521	2.458	9.1	19.7
2 21	10 49.69	+ 4 11.3	1.499	2.477	4.4	19.4
3 2	10 40.14	+ 5 7.6	1.505	2.494	1.4	19.3
3 12	10 31.04	+ 6 4.2	1.538	2.512	5.8	19.6
3 22	10 23.45	+ 6 54.3	1.599	2.530	10.2	19.9
4 1	10 18.15	+ 7 33.1	1.683	2.547	13.9	20.2

190407 1999 TK_{231} 2 28.5 170°.82 1°.5/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.37	+ 9 54.9	2.429	3.221	12.0	20.9
2 1	11 2.09	+10 44.2	2.343	3.225	9.2	20.7
2 11	10 56.00	+11 42.6	2.282	3.227	6.0	20.5
2 21	10 48.57	+12 45.5	2.248	3.230	2.6	20.3
3 2	10 40.51	+13 47.2	2.246	3.231	2.2	20.3
3 12	10 32.62	+14 42.3	2.273	3.233	5.4	20.5
3 22	10 25.67	+15 26.4	2.329	3.233	8.7	20.7
4 1	10 20.29	+15 57.0	2.409	3.234	11.6	20.9

154677 2004 GF_{30} 2 28.5 325°.76 2°.8/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.48	+11 17.3	1.259	2.090	18.7	19.9
2 1	11 5.45	+11 56.4	1.182	2.084	14.5	19.6
2 11	10 59.13	+12 50.3	1.125	2.078	9.5	19.3
2 21	10 50.21	+13 51.2	1.091	2.073	4.4	19.0
3 2	10 39.92	+14 49.2	1.082	2.068	3.9	18.9
3 12	10 29.95	+15 33.9	1.098	2.063	9.0	19.2
3 22	10 21.82	+15 58.9	1.138	2.059	14.2	19.5
4 1	10 16.63	+16 1.5	1.197	2.055	18.8	19.7

340492 2006 HP_{96} 2 28.5 208°.10 1°.8/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.05	− 0 45.1	2.794	3.541	11.7	22.3
2 1	11 0.90	− 0 29.5	2.688	3.535	9.4	22.1
2 11	10 55.14	− 0 0.8	2.606	3.528	6.6	21.9
2 21	10 48.20	+ 0 39.4	2.552	3.521	3.7	21.7
3 2	10 40.63	+ 1 28.0	2.527	3.514	1.8	21.6
3 12	10 33.15	+ 2 20.8	2.533	3.505	3.9	21.7
3 22	10 26.41	+ 3 13.3	2.569	3.497	6.9	21.9
4 1	10 20.97	+ 4 1.4	2.632	3.488	9.8	22.1

418935 2009 DJ_{59} 2 28.5 316°.14 4°.9/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 23.13	+20 42.2	1.353	2.169	18.5	19.8
2 1	11 17.06	+20 22.9	1.258	2.149	14.7	19.5
2 11	11 7.04	+20 0.1	1.184	2.129	10.3	19.2
2 21	10 53.75	+19 25.7	1.133	2.109	5.9	18.9
3 2	10 38.70	+18 33.0	1.110	2.090	5.6	18.8
3 12	10 23.94	+17 18.5	1.114	2.072	10.0	19.0
3 22	10 11.35	+15 44.5	1.144	2.054	15.2	19.2
4 1	10 2.30	+13 56.1	1.195	2.038	19.8	19.4

157093 2004 GT_{40} 2 28.5 161°.88 2°.3/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.81	+11 41.8	1.730	2.532	15.7	20.7
2 1	11 8.56	+12 19.0	1.652	2.538	12.1	20.4
2 11	11 0.62	+13 6.1	1.596	2.543	7.9	20.2
2 21	10 50.69	+13 56.8	1.567	2.548	3.6	20.0
3 2	10 39.81	+14 43.9	1.567	2.552	3.1	19.9
3 12	10 29.29	+15 20.2	1.595	2.555	7.3	20.2
3 22	10 20.29	+15 41.5	1.650	2.557	11.5	20.4
4 1	10 13.68	+15 46.2	1.727	2.559	15.1	20.7

17237 2000 EC_{50} 2 28.5 349°.11 0°.7/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.77	+ 3 58.2	1.482	2.289	17.6	18.6
2 1	11 2.02	+ 4 16.2	1.400	2.285	13.9	18.3
2 11	10 56.56	+ 4 53.2	1.337	2.282	9.4	18.0
2 21	10 49.00	+ 5 45.3	1.299	2.279	4.3	17.7
3 2	10 40.37	+ 6 45.9	1.286	2.276	1.3	17.5
3 12	10 31.97	+ 7 46.4	1.300	2.275	6.4	17.8
3 22	10 25.02	+ 8 38.8	1.339	2.273	11.4	18.1
4 1	10 20.46	+ 9 17.4	1.400	2.273	15.7	18.4

91866 1999 UD_{27} 2 28.5 305°.97 2°.4/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.58	+14 6.5	1.856	2.663	14.6	19.2
2 1	11 6.76	+14 17.1	1.768	2.656	11.3	19.0
2 11	10 59.43	+14 33.3	1.702	2.649	7.4	18.7
2 21	10 50.17	+14 50.1	1.662	2.643	3.6	18.5
3 2	10 39.98	+15 2.1	1.652	2.636	3.1	18.4
3 12	10 30.04	+15 4.4	1.669	2.630	7.0	18.6
3 22	10 21.45	+14 54.2	1.713	2.623	11.0	18.8
4 1	10 15.06	+14 30.6	1.781	2.617	14.5	19.1

108503 2001 KH_{67} 2 28.5 171°.50 1°.5/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 5.69	+10 2.9	2.228	3.026	12.7	20.1
2 1	11 1.75	+10 43.9	2.143	3.027	9.8	19.9
2 11	10 55.87	+11 34.5	2.081	3.028	6.3	19.7
2 21	10 48.55	+12 29.8	2.047	3.029	2.8	19.5
3 2	10 40.54	+13 24.1	2.043	3.029	2.2	19.4
3 12	10 32.73	+14 11.8	2.068	3.029	5.7	19.6
3 22	10 25.94	+14 48.4	2.120	3.030	9.2	19.9
4 1	10 20.82	+15 11.5	2.197	3.030	12.3	20.1

497863 2006 UX_{157} 2 28.5 70°.88 4°.9/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.12	+22 33.3	2.337	3.149	11.7	21.3
2 1	11 3.54	+23 22.7	2.266	3.154	9.2	21.2
2 11	10 56.98	+24 11.8	2.221	3.159	6.6	21.0
2 21	10 49.00	+24 54.2	2.203	3.164	5.0	20.9
3 2	10 40.41	+25 24.4	2.213	3.169	5.7	21.0
3 12	10 32.13	+25 38.2	2.252	3.174	7.9	21.1
3 22	10 24.99	+25 34.2	2.317	3.179	10.5	21.3
4 1	10 19.62	+25 13.0	2.405	3.185	13.0	21.5

44764 1999 TG_{120} 2 28.5 99°.65 0°.4/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.88	+ 5 21.9	1.402	2.203	18.7	18.3
2 1	11 8.27	+ 5 31.3	1.333	2.215	14.7	18.1
2 11	11 0.63	+ 5 57.7	1.284	2.227	9.8	17.8
2 21	10 50.73	+ 6 36.6	1.259	2.239	4.4	17.5
3 2	10 39.82	+ 7 21.3	1.260	2.250	1.3	17.3
3 12	10 29.41	+ 8 3.8	1.289	2.262	6.8	17.7
3 22	10 20.81	+ 8 37.4	1.343	2.273	11.8	18.0
4 1	10 14.95	+ 8 58.0	1.419	2.284	16.0	18.3

431186 2006 SV_{75} 2 28.5 175°.67 1°.0/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.83	+ 9 37.3	2.966	3.750	10.2	22.3
2 1	11 0.58	+10 12.8	2.875	3.752	7.8	22.1
2 11	10 54.85	+10 55.4	2.810	3.754	5.1	21.9
2 21	10 48.04	+11 41.6	2.774	3.755	2.2	21.7
3 2	10 40.73	+12 27.6	2.769	3.756	1.6	21.7
3 12	10 33.56	+13 9.1	2.794	3.756	4.4	21.9
3 22	10 27.14	+13 43.1	2.849	3.756	7.2	22.1
4 1	10 21.96	+14 7.2	2.930	3.756	9.7	22.2

140259 2001 SQ_{260} 2 28.5 103°.84 1°.2/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.54	+ 1 21.4	2.518	3.282	12.4	20.5
2 1	11 0.54	+ 1 46.0	2.437	3.297	9.8	20.4
2 11	10 54.89	+ 2 23.6	2.380	3.311	6.7	20.2
2 21	10 48.07	+ 3 11.6	2.350	3.325	3.4	20.0
3 2	10 40.73	+ 4 5.9	2.350	3.339	1.2	19.9
3 12	10 33.61	+ 5 1.4	2.380	3.353	4.1	20.1
3 22	10 27.39	+ 5 53.7	2.439	3.367	7.3	20.3
4 1	10 22.61	+ 6 38.6	2.525	3.380	10.1	20.5

254297 2004 RY_{284} 2 28.5 87°.37 0°.3/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 1.96	+ 3 47.3	2.686	3.461	11.4	20.8
2 1	10 58.50	+ 4 29.2	2.602	3.471	8.9	20.7
2 11	10 53.53	+ 5 22.7	2.543	3.481	5.9	20.5
2 21	10 47.47	+ 6 24.5	2.512	3.491	2.6	20.3
3 2	10 40.93	+ 7 30.0	2.511	3.501	0.8	20.2
3 12	10 34.56	+ 8 34.3	2.540	3.511	4.1	20.4
3 22	10 28.98	+ 9 32.6	2.599	3.521	7.2	20.6
4 1	10 24.71	+10 21.6	2.684	3.531	9.9	20.8

411209 2010 MO_{97} 2 28.5 126°.02 5°.4/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.90	+22 6.3	2.084	2.891	13.2	22.3
2 1	11 8.12	+23 7.2	2.023	2.908	10.2	22.1
2 11	11 0.03	+24 7.8	1.987	2.924	7.3	22.0
2 21	10 50.33	+25 0.7	1.978	2.940	5.5	21.9
3 2	10 39.98	+25 38.9	1.998	2.954	6.2	21.9
3 12	10 30.11	+25 57.9	2.047	2.969	8.6	22.1
3 22	10 21.65	+25 56.5	2.122	2.982	11.5	22.3
4 1	10 15.32	+25 35.9	2.219	2.995	14.0	22.5

235686 2004 SG_{13} 2 28.5 225°.51 3°.6/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.30	+14 36.1	1.794	2.603	14.9	21.5
2 1	11 7.54	+15 27.2	1.703	2.593	11.5	21.2
2 11	11 0.09	+16 27.1	1.635	2.583	7.7	21.0
2 21	10 50.54	+17 28.6	1.594	2.572	4.2	20.7
3 2	10 39.86	+18 23.6	1.581	2.560	4.5	20.7
3 12	10 29.35	+19 4.3	1.597	2.547	8.2	20.9
3 22	10 20.20	+19 26.5	1.638	2.534	12.3	21.1
4 1	10 13.37	+19 28.6	1.702	2.521	15.9	21.3

6508 Rolčík 2 28.5 141°.79 0°.4/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.87	+ 5 56.5	2.377	3.157	12.6	18.8
2 1	11 2.45	+ 6 40.0	2.295	3.168	9.7	18.6
2 11	10 56.22	+ 7 35.1	2.238	3.179	6.4	18.5
2 21	10 48.68	+ 8 37.7	2.209	3.189	2.7	18.2
3 2	10 40.53	+ 9 42.5	2.209	3.199	1.2	18.1
3 12	10 32.61	+10 43.6	2.241	3.208	4.9	18.4
3 22	10 25.68	+11 36.4	2.301	3.217	8.3	18.6
4 1	10 20.32	+12 17.5	2.386	3.224	11.3	18.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
28095 Seanmahoney			2 28.5 114°.79		0°.8/29.1 18	
	h m	° ′			°	m
1 22	11 10.60	+ 3 9.2	1.554	2.344	17.7	19.0
2 1	11 6.25	+ 3 32.4	1.481	2.356	13.9	18.8
2 11	10 59.18	+ 4 14.4	1.429	2.368	9.4	18.6
2 21	10 50.08	+ 5 10.8	1.401	2.380	4.4	18.3
3 2	10 40.06	+ 6 14.9	1.401	2.391	1.3	18.1
3 12	10 30.44	+ 7 18.1	1.429	2.402	6.2	18.5
3 22	10 22.40	+ 8 13.0	1.483	2.412	10.9	18.7
4 1	10 16.80	+ 8 54.5	1.560	2.422	14.9	19.0
306347 2011 SP_{165}			2 28.5 196°.99		2°.3/ 2.5 17	
1 22	11 4.01	− 2 57.1	3.247	3.976	10.5	22.3
2 1	10 59.86	− 2 50.7	3.140	3.973	8.5	22.2
2 11	10 54.35	− 2 32.4	3.058	3.969	6.2	22.0
2 21	10 47.84	− 2 3.4	3.003	3.965	3.8	21.8
3 2	10 40.82	− 1 25.8	2.978	3.960	2.3	21.7
3 12	10 33.89	− 0 42.8	2.985	3.955	3.6	21.8
3 22	10 27.58	+ 0 2.1	3.021	3.949	6.0	22.0
4 1	10 22.38	+ 0 45.1	3.085	3.943	8.4	22.1
198425 2004 VT_{81}			2 28.5 268°.83		4°.3/ 3.8 17	
1 22	11 4.94	− 7 10.5	2.207	2.936	14.9	21.0
2 1	11 1.45	− 7 9.3	2.088	2.915	12.5	20.8
2 11	10 55.89	− 6 47.8	1.991	2.893	9.6	20.5
2 21	10 48.68	− 6 5.6	1.918	2.870	6.5	20.3
3 2	10 40.50	− 5 4.8	1.872	2.848	4.4	20.1
3 12	10 32.27	− 3 50.2	1.856	2.824	5.5	20.1
3 22	10 24.90	− 2 28.7	1.867	2.801	8.7	20.3
4 1	10 19.18	− 1 7.7	1.905	2.777	12.2	20.4
289253 2004 XR_{86}			2 28.5 21°.35		3°.7/ 1.9 18	
1 22	11 4.39	− 0 59.9	1.153	1.963	21.4	20.0
2 1	11 2.23	− 1 15.8	1.089	1.971	17.3	19.8
2 11	10 56.91	− 1 5.6	1.043	1.980	12.4	19.5
2 21	10 49.20	− 0 30.9	1.017	1.990	7.1	19.3
3 2	10 40.36	+ 0 22.8	1.015	2.002	3.7	19.1
3 12	10 32.00	+ 1 25.7	1.037	2.014	7.0	19.3
3 22	10 25.51	+ 2 27.5	1.081	2.028	12.1	19.6
4 1	10 21.86	+ 3 19.4	1.147	2.042	16.7	19.9
356317 2010 HW_{103}			2 28.5 300°.16		2°.5/26.4 17	
1 22	11 4.53	+ 8 30.7	1.400	2.224	17.5	21.4
2 1	11 2.16	+ 9 40.8	1.312	2.211	13.6	21.1
2 11	10 56.89	+11 11.3	1.246	2.199	8.9	20.8
2 21	10 49.25	+12 54.7	1.204	2.186	4.0	20.5
3 2	10 40.30	+14 39.7	1.188	2.174	3.6	20.4
3 12	10 31.47	+16 13.6	1.199	2.162	8.7	20.7
3 22	10 24.14	+17 27.0	1.234	2.151	13.7	20.9
4 1	10 19.39	+18 14.4	1.289	2.139	18.2	21.1
415758 2000 RO_{17}			2 28.5 105°.84		2°.7/ 2.5 18	
1 22	11 7.47	− 3 53.2	2.313	3.052	14.1	21.7
2 1	11 2.87	− 3 31.0	2.239	3.077	11.3	21.6
2 11	10 56.45	− 2 51.4	2.186	3.101	8.2	21.4
2 21	10 48.76	− 1 56.5	2.160	3.124	4.8	21.3
3 2	10 40.54	− 0 50.4	2.164	3.147	2.7	21.2
3 12	10 32.62	+ 0 20.8	2.198	3.170	4.5	21.3
3 22	10 25.74	+ 1 31.4	2.261	3.191	7.6	21.5
4 1	10 20.50	+ 2 35.8	2.351	3.212	10.6	21.8
426724 2013 TX_{51}			2 28.5 105°.43		0°.8/29.3 18	
1 22	11 7.48	+ 3 10.6	2.300	3.071	13.2	22.1
2 1	11 2.91	+ 3 32.7	2.225	3.090	10.3	21.9
2 11	10 56.50	+ 4 7.5	2.174	3.109	7.0	21.8
2 21	10 48.79	+ 4 51.8	2.150	3.127	3.3	21.6
3 2	10 40.53	+ 5 41.2	2.155	3.145	1.0	21.4
3 12	10 32.57	+ 6 30.4	2.191	3.163	4.5	21.7
3 22	10 25.65	+ 7 14.7	2.255	3.180	7.9	21.9
4 1	10 20.37	+ 7 50.6	2.346	3.197	11.0	22.2
334497 2002 QD_{89}			2 28.5 189°.60		0°.4/28.9 17	
1 22	11 5.60	+ 4 33.7	2.410	3.186	12.5	22.1
2 1	11 1.55	+ 4 58.1	2.316	3.185	9.8	21.9
2 11	10 55.69	+ 5 34.5	2.246	3.185	6.6	21.7
2 21	10 48.49	+ 6 19.7	2.204	3.183	3.0	21.4
3 2	10 40.62	+ 7 9.3	2.192	3.182	0.9	21.3
3 12	10 32.91	+ 7 58.4	2.209	3.180	4.6	21.5
3 22	10 26.10	+ 8 42.3	2.255	3.178	8.0	21.7
4 1	10 20.83	+ 9 17.3	2.327	3.176	11.1	21.9
227545 2005 YZ_{128}			2 28.5 110°.17		3°.2/25.4 18	
1 22	11 6.47	+13 33.7	1.948	2.761	13.7	20.3
2 1	11 2.64	+14 35.8	1.872	2.765	10.5	20.1
2 11	10 56.60	+15 46.5	1.820	2.770	6.9	19.9
2 21	10 48.93	+16 59.0	1.795	2.774	3.7	19.7
3 2	10 40.48	+18 5.5	1.799	2.778	4.0	19.8
3 12	10 32.31	+18 59.2	1.831	2.782	7.3	20.0
3 22	10 25.34	+19 35.8	1.889	2.786	10.9	20.2
4 1	10 20.32	+19 53.6	1.970	2.789	14.0	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
360443 2002 LR_{29}			2 28.5 259°.09		2°.4/26.3 18	
	h m	° ′			°	m
1 22	11 6.72	+ 9 51.1	1.695	2.507	15.5	20.9
2 1	11 3.34	+10 53.8	1.604	2.496	12.0	20.6
2 11	10 57.38	+12 11.6	1.536	2.486	7.8	20.4
2 21	10 49.39	+13 37.9	1.493	2.474	3.6	20.1
3 2	10 40.29	+15 3.5	1.478	2.463	3.4	20.0
3 12	10 31.32	+16 18.9	1.492	2.452	7.7	20.3
3 22	10 23.62	+17 17.1	1.530	2.440	12.1	20.5
4 1	10 18.16	+17 54.3	1.592	2.428	16.0	20.7
61110 2000 LC_{32}			2 28.5 199°.69		1°.5/27.0 18	
1 22	11 9.21	+ 8 23.7	1.952	2.746	14.4	20.2
2 1	11 4.85	+ 9 20.3	1.861	2.743	11.1	19.9
2 11	10 58.15	+10 30.6	1.793	2.739	7.3	19.7
2 21	10 49.65	+11 49.1	1.752	2.734	3.1	19.4
3 2	10 40.22	+13 8.1	1.741	2.728	2.4	19.3
3 12	10 30.94	+14 19.7	1.760	2.722	6.5	19.6
3 22	10 22.84	+15 17.7	1.806	2.715	10.6	19.8
4 1	10 16.73	+15 58.5	1.875	2.707	14.1	20.0
415863 2001 SQ_{164}			2 28.5 101°.19		1°.8/26.9 18	
1 22	11 11.66	+11 12.5	2.079	2.873	13.7	22.4
2 1	11 6.24	+11 48.3	2.016	2.898	10.4	22.2
2 11	10 58.72	+12 31.9	1.976	2.922	6.8	22.0
2 21	10 49.76	+13 18.0	1.965	2.945	3.0	21.8
3 2	10 40.24	+14 0.8	1.983	2.969	2.5	21.8
3 12	10 31.16	+14 35.0	2.031	2.991	6.0	22.1
3 22	10 23.38	+14 57.4	2.107	3.013	9.4	22.3
4 1	10 17.54	+15 6.5	2.207	3.034	12.4	22.6
219349 2000 QY_{194}			2 28.5 166°.99		2°.4/ 1.8 16	
1 22	11 10.77	− 0 25.9	2.454	3.198	13.2	20.9
2 1	11 5.44	− 0 37.8	2.360	3.203	10.6	20.8
2 11	10 58.22	− 0 37.0	2.288	3.208	7.6	20.6
2 21	10 49.59	− 0 24.5	2.244	3.211	4.4	20.4
3 2	10 40.27	− 0 2.6	2.230	3.215	2.4	20.2
3 12	10 31.13	+ 0 24.8	2.246	3.217	4.5	20.4
3 22	10 22.95	+ 0 53.6	2.292	3.219	7.7	20.6
4 1	10 16.39	+ 1 20.0	2.365	3.221	10.7	20.8
501876 2014 WO_{355}			2 28.5 104°.37		1°.2/29.8 18	
1 22	11 4.56	+ 0 39.4	2.065	2.838	14.5	21.2
2 1	11 1.00	+ 1 16.4	1.981	2.846	11.4	21.0
2 11	10 55.43	+ 2 10.8	1.920	2.854	7.8	20.8
2 21	10 48.40	+ 3 19.2	1.886	2.862	3.9	20.5
3 2	10 40.67	+ 4 35.9	1.880	2.869	1.3	20.3
3 12	10 33.17	+ 5 53.9	1.903	2.877	4.9	20.6
3 22	10 26.74	+ 7 6.5	1.955	2.885	8.7	20.8
4 1	10 22.04	+ 8 8.4	2.032	2.892	12.0	21.1
297035 2010 GV_{114}			2 28.5 285°.10		3°.7/ 3.4 17	
1 22	11 3.38	− 5 29.8	2.272	3.012	14.3	21.6
2 1	11 0.07	− 5 30.0	2.166	3.001	11.8	21.4
2 11	10 54.86	− 5 12.0	2.082	2.991	8.8	21.2
2 21	10 48.19	− 4 36.2	2.023	2.980	5.8	21.0
3 2	10 40.73	− 3 44.9	1.991	2.969	3.8	20.8
3 12	10 33.33	− 2 43.1	1.988	2.959	5.1	20.9
3 22	10 26.81	− 1 36.7	2.013	2.948	8.1	21.0
4 1	10 21.87	− 0 32.0	2.064	2.937	11.3	21.2
337444 2001 RS_{54}			2 28.5 175°.61		2°.8/25.3 17	
1 22	11 8.69	+16 53.3	2.685	3.483	10.8	21.5
2 1	11 3.71	+17 25.5	2.601	3.485	8.3	21.4
2 11	10 56.99	+18 0.6	2.542	3.486	5.5	21.2
2 21	10 49.02	+18 34.0	2.512	3.487	3.2	21.0
3 2	10 40.48	+19 1.3	2.513	3.488	3.4	21.0
3 12	10 32.15	+19 18.7	2.543	3.488	5.9	21.2
3 22	10 24.76	+19 24.1	2.602	3.488	8.7	21.4
4 1	10 18.87	+19 16.7	2.685	3.488	11.2	21.6
114388 2002 YL_{1}			2 28.5 128°.57		1°.2/29.8 18	
1 22	11 8.45	+ 0 54.2	2.327	3.085	13.4	20.5
2 1	11 3.65	+ 1 25.5	2.247	3.103	10.6	20.3
2 11	10 57.00	+ 2 11.6	2.192	3.121	7.3	20.1
2 21	10 49.03	+ 3 9.3	2.163	3.138	3.6	19.9
3 2	10 40.48	+ 4 13.7	2.165	3.155	1.3	19.8
3 12	10 32.20	+ 5 19.2	2.198	3.170	4.4	20.0
3 22	10 24.96	+ 6 20.2	2.260	3.185	7.9	20.2
4 1	10 19.36	+ 7 12.3	2.348	3.199	11.0	20.5
8475 Vsevoivanov			2 28.5 108°.55		1°.2/27.0 18	R
1 22	11 6.02	+ 9 36.7	2.629	3.416	11.3	18.5
2 1	11 1.58	+10 20.6	2.557	3.436	8.6	18.3
2 11	10 55.53	+11 12.3	2.511	3.456	5.6	18.1
2 21	10 48.36	+12 7.4	2.494	3.475	2.4	18.0
3 2	10 40.71	+13 1.2	2.507	3.494	1.8	17.9
3 12	10 33.33	+13 48.9	2.551	3.512	4.8	18.2
3 22	10 26.87	+14 27.1	2.623	3.530	7.8	18.4
4 1	10 21.83	+14 53.7	2.722	3.547	10.4	18.6

226820 2004 RR_{254} 2 28.5 136°.83 3°.4/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 9.58	+17 2.9	2.393	3.195	11.8	20.7
2 1	11 4.54	+17 55.3	2.322	3.208	9.1	20.6
2 11	10 57.59	+18 51.2	2.276	3.220	6.1	20.4
2 21	10 49.29	+19 45.0	2.259	3.232	3.7	20.3
3 2	10 40.40	+20 30.6	2.271	3.243	4.1	20.3
3 12	10 31.81	+21 3.6	2.314	3.254	6.7	20.5
3 22	10 24.31	+21 21.5	2.383	3.264	9.6	20.7
4 1	10 18.52	+21 23.5	2.477	3.273	12.2	20.9

421269 2013 SO_{69} 2 28.5 68°.62 0°.3/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.80	+ 3 36.4	1.896	2.685	15.0	21.0
2 1	11 1.34	+ 4 15.7	1.817	2.694	11.7	20.8
2 11	10 55.74	+ 5 11.4	1.762	2.703	7.8	20.5
2 21	10 48.56	+ 6 18.9	1.732	2.712	3.5	20.3
3 2	10 40.64	+ 7 32.0	1.730	2.721	1.0	20.1
3 12	10 33.00	+ 8 43.1	1.758	2.730	5.4	20.4
3 22	10 26.54	+ 9 45.7	1.812	2.739	9.4	20.7
4 1	10 21.95	+10 35.1	1.891	2.748	12.9	20.9

353854 2012 VS_{85} 2 28.5 22°.57 1°.6/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.43	+ 2 6.6	1.260	2.068	20.0	21.2
2 1	11 4.50	+ 2 16.5	1.186	2.070	15.9	20.9
2 11	10 58.43	+ 2 49.5	1.130	2.072	11.0	20.6
2 21	10 49.92	+ 3 42.1	1.097	2.075	5.4	20.3
3 2	10 40.17	+ 4 47.2	1.088	2.078	1.8	20.1
3 12	10 30.77	+ 5 54.8	1.105	2.081	7.0	20.4
3 22	10 23.15	+ 6 55.2	1.146	2.085	12.4	20.7
4 1	10 18.34	+ 7 41.2	1.208	2.089	17.1	21.0

136825 Slawitschek 2 28.5 101°.35 1°.7/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.63	+ 9 38.4	2.012	2.808	14.0	20.3
2 1	11 4.79	+10 31.4	1.949	2.832	10.7	20.1
2 11	10 57.84	+11 34.4	1.909	2.855	6.9	19.9
2 21	10 49.41	+12 41.6	1.897	2.878	3.0	19.7
3 2	10 40.38	+13 46.1	1.914	2.900	2.4	19.7
3 12	10 31.76	+14 41.5	1.961	2.922	6.1	20.0
3 22	10 24.42	+15 23.5	2.036	2.943	9.7	20.2
4 1	10 19.00	+15 49.9	2.135	2.964	12.7	20.5

204728 2006 HP_{35} 2 28.5 317°.04 2°.1/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.42	+ 9 1.4	1.292	2.123	18.3	20.1
2 1	11 2.39	+ 9 41.9	1.201	2.104	14.3	19.8
2 11	10 57.25	+10 41.0	1.131	2.085	9.5	19.5
2 21	10 49.51	+11 52.5	1.083	2.066	4.2	19.1
3 2	10 40.27	+13 6.6	1.061	2.049	3.2	19.0
3 12	10 31.09	+14 11.9	1.063	2.032	8.7	19.3
3 22	10 23.49	+14 59.6	1.088	2.015	14.2	19.5
4 1	10 18.68	+15 24.3	1.133	2.000	19.0	19.7

287848 2003 SQ_{236} 2 28.5 254°.84 0°.1/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.40	+ 6 1.6	1.905	2.691	15.0	21.6
2 1	11 6.03	+ 6 23.5	1.795	2.671	11.8	21.3
2 11	10 59.14	+ 6 59.7	1.708	2.649	8.0	21.0
2 21	10 50.20	+ 7 46.8	1.646	2.627	3.5	20.7
3 2	10 40.06	+ 8 39.4	1.614	2.604	1.3	20.5
3 12	10 29.87	+ 9 30.5	1.610	2.580	6.1	20.8
3 22	10 20.77	+10 14.0	1.634	2.556	10.6	21.0
4 1	10 13.75	+10 45.2	1.682	2.531	14.7	21.2

193024 2000 ET_{60} 2 28.5 353°.10 0°.8/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.90	+ 9 26.0	1.146	1.978	20.2	19.7
2 1	11 6.80	+ 9 18.0	1.072	1.973	15.8	19.4
2 11	11 0.17	+ 9 23.6	1.017	1.969	10.5	19.1
2 21	10 50.75	+ 9 37.9	0.984	1.967	4.6	18.7
3 2	10 39.90	+ 9 54.1	0.975	1.965	2.0	18.6
3 12	10 29.45	+10 4.5	0.991	1.964	8.1	18.9
3 22	10 21.04	+10 3.9	1.029	1.964	13.8	19.2
4 1	10 15.82	+ 9 49.1	1.087	1.966	18.7	19.5

210022 2006 KD_{60} 2 28.5 107°.63 0°.5/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.65	+ 5 11.1	1.655	2.453	16.4	20.5
2 1	11 3.86	+ 6 1.8	1.581	2.464	12.7	20.3
2 11	10 57.56	+ 7 10.0	1.529	2.474	8.4	20.1
2 21	10 49.41	+ 8 30.0	1.503	2.484	3.6	19.8
3 2	10 40.39	+ 9 53.5	1.504	2.494	1.6	19.7
3 12	10 31.72	+11 11.4	1.534	2.503	6.4	20.0
3 22	10 24.46	+12 16.5	1.590	2.513	10.8	20.3
4 1	10 19.42	+13 4.2	1.670	2.522	14.6	20.5

501023 2013 RE_{57} 2 28.5 221°.23 0°.8/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.46	+ 3 51.1	2.268	3.040	13.4	22.7
2 1	11 3.96	+ 4 5.8	2.166	3.031	10.5	22.5
2 11	10 57.42	+ 4 33.1	2.087	3.022	7.2	22.2
2 21	10 49.33	+ 5 10.5	2.034	3.012	3.4	22.0
3 2	10 40.40	+ 5 54.0	2.012	3.002	1.1	21.8
3 12	10 31.57	+ 6 38.4	2.019	2.991	4.8	22.0
3 22	10 23.69	+ 7 18.8	2.055	2.980	8.6	22.2
4 1	10 17.50	+ 7 51.1	2.117	2.968	12.0	22.4

304820 2007 QF_{16} 2 28.5 175°.33 0°.9/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 9.51	+ 3 3.5	1.768	2.550	16.1	21.4
2 1	11 5.24	+ 3 23.0	1.681	2.552	12.7	21.2
2 11	10 58.49	+ 3 59.5	1.616	2.554	8.7	21.0
2 21	10 49.84	+ 4 49.6	1.576	2.555	4.1	20.7
3 2	10 40.24	+ 5 47.7	1.565	2.555	1.3	20.5
3 12	10 30.87	+ 6 46.4	1.582	2.555	5.7	20.8
3 22	10 22.81	+ 7 39.0	1.626	2.555	10.2	21.0
4 1	10 16.91	+ 8 20.4	1.695	2.554	14.1	21.3

204423 2004 VP_{74} 2 28.5 168°.06 4°.3/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.54	+16 13.5	1.817	2.629	14.6	21.0
2 1	11 6.78	+17 20.0	1.742	2.633	11.2	20.8
2 11	10 59.47	+18 33.5	1.690	2.637	7.6	20.6
2 21	10 50.25	+19 45.9	1.665	2.639	4.6	20.4
3 2	10 40.12	+20 48.5	1.669	2.642	5.2	20.5
3 12	10 30.31	+21 34.1	1.701	2.643	8.5	20.6
3 22	10 21.93	+21 58.9	1.758	2.644	12.1	20.9
4 1	10 15.81	+22 2.5	1.838	2.645	15.4	21.1

385267 2001 QS_{330} 2 28.5 81°.86 0°.2/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.02	+ 4 48.4	2.428	3.207	12.4	21.3
2 1	11 0.90	+ 5 42.0	2.363	3.234	9.5	21.1
2 11	10 55.13	+ 6 47.3	2.321	3.262	6.2	21.0
2 21	10 48.21	+ 7 59.9	2.308	3.289	2.7	20.8
3 2	10 40.83	+ 9 14.2	2.326	3.316	1.0	20.7
3 12	10 33.75	+10 24.4	2.374	3.342	4.5	21.0
3 22	10 27.64	+11 25.7	2.451	3.368	7.8	21.2
4 1	10 23.03	+12 15.0	2.553	3.393	10.5	21.5

50989 2000 GG_{94} 2 28.5 352°.52 5°.5/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.70	+21 3.7	2.041	2.863	12.8	18.7
2 1	11 2.09	+22 22.3	1.968	2.863	10.0	18.5
2 11	10 56.28	+23 43.6	1.920	2.862	7.2	18.3
2 21	10 48.83	+24 59.6	1.899	2.861	5.6	18.2
3 2	10 40.60	+26 2.1	1.905	2.861	6.5	18.3
3 12	10 32.63	+26 45.1	1.940	2.860	9.1	18.4
3 22	10 25.84	+27 5.9	1.998	2.860	12.0	18.6
4 1	10 20.98	+27 4.5	2.079	2.860	14.7	18.8

237837 2002 EM_{69} 2 28.5 259°.29 0°.8/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.07	+ 8 55.9	2.372	3.157	12.5	20.7
2 1	11 4.45	+ 9 16.5	2.258	3.135	9.7	20.5
2 11	10 57.79	+ 9 46.3	2.169	3.112	6.4	20.2
2 21	10 49.52	+10 21.9	2.108	3.089	2.8	20.0
3 2	10 40.35	+10 58.8	2.076	3.065	1.5	19.8
3 12	10 31.16	+11 32.1	2.075	3.041	5.3	20.0
3 22	10 22.86	+11 57.6	2.102	3.016	9.1	20.2
4 1	10 16.19	+12 12.4	2.155	2.990	12.4	20.4

415448 2013 TB_{32} 2 28.5 225°.66 0°.1/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.69	+ 4 58.2	2.098	2.884	13.8	21.1
2 1	11 1.95	+ 5 32.5	2.004	2.879	10.8	20.9
2 11	10 56.15	+ 6 20.9	1.933	2.875	7.2	20.7
2 21	10 48.78	+ 7 19.6	1.890	2.870	3.2	20.4
3 2	10 40.61	+ 8 23.1	1.875	2.865	1.1	20.2
3 12	10 32.58	+ 9 24.9	1.889	2.860	5.3	20.5
3 22	10 25.58	+10 19.2	1.931	2.854	9.2	20.7
4 1	10 20.33	+11 1.6	1.998	2.849	12.6	20.9

245010 2004 CY_{95} 2 28.5 299°.36 0°.9/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.61	+ 4 5.9	2.160	2.941	13.6	20.4
2 1	11 1.87	+ 4 11.9	2.060	2.931	10.8	20.2
2 11	10 56.09	+ 4 30.4	1.983	2.920	7.3	19.9
2 21	10 48.76	+ 4 59.0	1.932	2.910	3.5	19.7
3 2	10 40.62	+ 5 33.9	1.909	2.899	1.1	19.5
3 12	10 32.57	+ 6 10.1	1.916	2.889	4.9	19.7
3 22	10 25.50	+ 6 42.8	1.950	2.879	8.7	19.9
4 1	10 20.12	+ 7 8.0	2.010	2.869	12.2	20.1

97320 1999 XM_{219} 2 28.5 204°.63 1°.3/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.87	+ 9 14.3	2.195	2.991	12.9	20.2
2 1	11 1.97	+ 9 53.1	2.106	2.990	10.0	20.0
2 11	10 56.09	+10 42.2	2.042	2.988	6.5	19.8
2 21	10 48.73	+11 37.0	2.005	2.987	2.8	19.6
3 2	10 40.65	+12 31.8	1.998	2.985	2.0	19.5
3 12	10 32.75	+13 20.7	2.019	2.983	5.6	19.8
3 22	10 25.86	+13 59.2	2.068	2.981	9.2	20.0
4 1	10 20.67	+14 24.3	2.142	2.979	12.4	20.2

7223 Dolgorukij 2 28.5 162°.18 0°.7/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.54	+ 3 44.8	1.956	2.732	15.0	18.2
2 1	11 5.76	+ 4 6.5	1.870	2.738	11.8	18.0
2 11	10 58.68	+ 4 43.1	1.807	2.744	8.0	17.7
2 21	10 49.89	+ 5 31.2	1.770	2.748	3.7	17.5
3 2	10 40.27	+ 6 25.3	1.762	2.753	1.1	17.3
3 12	10 30.89	+ 7 19.0	1.784	2.756	5.4	17.6
3 22	10 22.74	+ 8 6.6	1.834	2.759	9.5	17.8
4 1	10 16.59	+ 8 43.6	1.909	2.761	13.1	18.1

55861 1997 CZ_{12} 2 28.5 0°.98 2°.3/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 3.17	+11 46.4	2.258	3.065	12.3	19.2
2 1	10 59.86	+12 47.5	2.175	3.065	9.4	19.0
2 11	10 54.67	+13 57.6	2.116	3.065	6.1	18.8
2 21	10 48.11	+15 11.2	2.085	3.065	3.0	18.6
3 2	10 40.87	+16 21.7	2.083	3.065	3.1	18.6
3 12	10 33.82	+17 23.0	2.111	3.065	6.2	18.8
3 22	10 27.72	+18 10.4	2.165	3.066	9.5	19.0
4 1	10 23.22	+18 41.6	2.244	3.066	12.4	19.2

341296 2007 RQ_{316} 2 28.5 135°.12 1°.8/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 3.86	− 0 57.7	2.382	3.140	13.2	21.6
2 1	11 0.23	− 0 31.1	2.291	3.145	10.5	21.5
2 11	10 54.84	+ 0 11.2	2.224	3.150	7.4	21.3
2 21	10 48.16	+ 1 7.0	2.183	3.154	4.0	21.1
3 2	10 40.86	+ 2 12.0	2.171	3.159	1.8	20.9
3 12	10 33.73	+ 3 20.7	2.190	3.163	4.3	21.1
3 22	10 27.49	+ 4 27.2	2.236	3.167	7.7	21.3
4 1	10 22.76	+ 5 26.7	2.310	3.171	10.7	21.5

264620 2001 VZ_{37} 2 28.5 105°.66 1°.6/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.70	+10 7.7	2.050	2.846	13.8	21.9
2 1	11 4.86	+10 50.4	1.983	2.865	10.5	21.7
2 11	10 57.91	+11 42.4	1.939	2.885	6.8	21.5
2 21	10 49.48	+12 38.3	1.923	2.904	3.0	21.3
3 2	10 40.44	+13 31.9	1.936	2.923	2.3	21.3
3 12	10 31.78	+14 17.2	1.979	2.941	6.0	21.6
3 22	10 24.37	+14 50.3	2.050	2.958	9.5	21.8
4 1	10 18.86	+15 9.2	2.145	2.975	12.6	22.1

185696 1997 WJ_4 2 28.5 327°.56 8°.5/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.92	+26 32.9	1.555	2.386	15.7	19.4
2 1	11 6.99	+27 44.6	1.484	2.377	12.7	19.2
2 11	10 59.97	+28 54.1	1.434	2.368	9.9	19.0
2 21	10 50.58	+29 50.3	1.409	2.360	8.5	18.9
3 2	10 40.05	+30 22.9	1.409	2.352	9.6	18.9
3 12	10 29.92	+30 25.8	1.434	2.345	12.4	19.1
3 22	10 21.58	+29 58.1	1.481	2.338	15.7	19.3
4 1	10 15.98	+29 3.0	1.547	2.332	18.7	19.4

243623 1999 RY_{22} 2 28.5 205°.89 0°.2/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.87	+ 4 32.2	2.088	2.867	14.1	21.6
2 1	11 4.45	+ 5 5.4	1.991	2.862	11.1	21.4
2 11	10 57.85	+ 5 53.3	1.917	2.856	7.4	21.1
2 21	10 49.56	+ 6 52.0	1.869	2.849	3.3	20.9
3 2	10 40.39	+ 7 56.1	1.852	2.842	1.0	20.7
3 12	10 31.33	+ 8 59.0	1.864	2.834	5.4	21.0
3 22	10 23.34	+ 9 54.6	1.904	2.825	9.4	21.2
4 1	10 17.19	+10 38.5	1.969	2.816	12.9	21.4

283084 2008 TD_9 2 28.5 128°.63 1°.8/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.79	+ 9 55.1	1.713	2.513	15.9	21.9
2 1	11 7.71	+10 36.1	1.642	2.527	12.2	21.7
2 11	11 0.05	+11 28.7	1.594	2.541	7.9	21.5
2 21	10 50.49	+12 26.7	1.572	2.554	3.5	21.3
3 2	10 40.11	+13 22.4	1.579	2.566	2.6	21.2
3 12	10 30.15	+14 8.6	1.614	2.577	6.9	21.5
3 22	10 21.72	+14 40.5	1.676	2.588	11.1	21.8
4 1	10 15.63	+14 56.0	1.762	2.598	14.7	22.0

245385 2005 GZ_{111} 2 28.5 254°.40 1°.8/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.18	+12 25.1	2.357	3.153	12.2	20.7
2 1	11 3.67	+12 47.3	2.260	3.144	9.4	20.5
2 11	10 57.19	+13 16.0	2.188	3.134	6.2	20.3
2 21	10 49.22	+13 47.0	2.144	3.124	2.8	20.0
3 2	10 40.51	+14 15.6	2.129	3.114	2.4	20.0
3 12	10 31.94	+14 37.3	2.144	3.104	5.7	20.2
3 22	10 24.34	+14 48.9	2.187	3.093	9.1	20.4
4 1	10 18.39	+14 48.6	2.254	3.083	12.2	20.5

69499 1997 CV_4 2 28.5 88°.54 3°.6/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 15.39	− 0 59.5	1.697	2.456	17.7	19.2
2 1	11 9.63	− 1 34.8	1.628	2.478	14.2	19.0
2 11	11 1.25	− 1 52.7	1.579	2.500	10.2	18.8
2 21	10 51.00	− 1 53.9	1.556	2.522	6.1	18.6
3 2	10 39.95	− 1 40.9	1.560	2.543	3.6	18.5
3 12	10 29.39	− 1 18.6	1.593	2.564	6.0	18.7
3 22	10 20.43	− 0 52.7	1.653	2.585	9.8	19.0
4 1	10 13.85	− 0 28.7	1.738	2.605	13.4	19.3

11886 Kraske 2 28.5 178°.12 0°.5/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.10	+ 7 34.6	2.424	3.205	12.3	20.0
2 1	11 3.46	+ 7 58.9	2.333	3.207	9.5	19.8
2 11	10 56.96	+ 8 32.7	2.266	3.208	6.3	19.6
2 21	10 49.10	+ 9 12.7	2.228	3.208	2.7	19.4
3 2	10 40.57	+ 9 54.2	2.219	3.209	1.2	19.2
3 12	10 32.21	+10 32.6	2.241	3.208	4.9	19.5
3 22	10 24.81	+11 3.9	2.291	3.207	8.3	19.7
4 1	10 19.00	+11 25.3	2.367	3.206	11.3	19.9

28020 1998 BP_5 2 28.5 163°.60 2°.1/ 1.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 11.28	+ 0 53.9	1.864	2.631	16.0	19.1
2 1	11 6.47	+ 0 52.3	1.776	2.636	12.8	18.9
2 11	10 59.24	+ 1 7.1	1.710	2.640	9.0	18.7
2 21	10 50.18	+ 1 36.3	1.670	2.643	4.8	18.4
3 2	10 40.20	+ 2 16.0	1.658	2.646	2.2	18.3
3 12	10 30.46	+ 3 0.3	1.675	2.649	5.4	18.5
3 22	10 22.01	+ 3 43.2	1.720	2.650	9.6	18.7
4 1	10 15.66	+ 4 19.4	1.789	2.652	13.3	19.0

501088 2013 SR_{68} 2 28.5 218°.88 0°.1/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.21	+ 5 18.5	2.291	3.070	13.0	22.3
2 1	11 2.99	+ 5 51.3	2.190	3.062	10.2	22.1
2 11	10 56.79	+ 6 37.0	2.113	3.053	6.8	21.9
2 21	10 49.08	+ 7 31.9	2.064	3.044	3.0	21.6
3 2	10 40.57	+ 8 31.2	2.044	3.034	1.0	21.4
3 12	10 32.16	+ 9 29.0	2.054	3.024	5.0	21.7
3 22	10 24.67	+10 19.9	2.093	3.013	8.8	21.9
4 1	10 18.83	+11 0.0	2.157	3.001	12.1	22.1

409887 2006 ST_{364} 2 28.5 112°.01 3°.1/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.17	+14 46.1	2.030	2.832	13.7	21.4
2 1	11 6.79	+15 32.9	1.966	2.852	10.4	21.2
2 11	10 59.19	+16 25.2	1.926	2.872	6.9	21.0
2 21	10 50.05	+17 16.7	1.914	2.891	3.7	20.9
3 2	10 40.29	+18 1.0	1.931	2.909	3.8	20.9
3 12	10 30.97	+18 32.7	1.977	2.927	6.9	21.1
3 22	10 23.00	+18 49.0	2.051	2.945	10.3	21.4
4 1	10 17.04	+18 49.4	2.148	2.961	13.2	21.6

502677 2015 CO_{56} 2 28.5 325°.56 1°.9/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 0.47	− 1 27.6	1.847	2.627	15.7	20.8
2 1	10 58.30	− 0 48.6	1.746	2.612	12.6	20.5
2 11	10 53.96	+ 0 13.0	1.666	2.598	8.9	20.3
2 21	10 47.92	+ 1 34.8	1.611	2.585	4.8	20.0
3 2	10 40.95	+ 3 10.8	1.583	2.572	1.9	19.8
3 12	10 34.06	+ 4 52.6	1.584	2.560	5.3	20.0
3 22	10 28.19	+ 6 31.0	1.612	2.548	9.6	20.2
4 1	10 24.18	+ 7 57.9	1.664	2.537	13.6	20.4

84482 2002 TW_{267} 2 28.5 27°.33 10°.3/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 1.86	−16 32.5	1.272	2.005	23.7	18.4
2 1	11 0.12	−17 23.0	1.210	2.020	20.7	18.3
2 11	10 55.47	−17 35.9	1.163	2.036	17.2	18.1
2 21	10 48.62	−17 7.6	1.133	2.053	13.6	17.9
3 2	10 40.75	−15 58.8	1.125	2.072	10.9	17.8
3 12	10 33.31	−14 17.6	1.139	2.092	10.4	17.8
3 22	10 27.58	−12 17.1	1.176	2.113	12.4	18.0
4 1	10 24.46	−10 12.0	1.235	2.134	15.4	18.3

247667 2002 XS_{99} 2 28.5 60°.03 1°.8/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.88	+10 53.0	2.056	2.860	13.4	20.4
2 1	11 1.98	+11 34.9	1.987	2.875	10.2	20.2
2 11	10 56.06	+12 25.7	1.942	2.890	6.6	20.0
2 21	10 48.70	+13 19.9	1.924	2.905	3.0	19.8
3 2	10 40.74	+14 11.4	1.935	2.920	2.5	19.8
3 12	10 33.11	+14 54.6	1.974	2.935	6.0	20.1
3 22	10 26.63	+15 25.4	2.041	2.950	9.5	20.3
4 1	10 21.95	+15 41.8	2.131	2.966	12.5	20.5

461594 2004 RP_{331} 2 28.5 243°.51 7°.6/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.00	−20 25.5	2.575	3.202	15.2	22.1
2 1	11 2.09	−20 36.4	2.450	3.183	13.5	21.9
2 11	10 56.24	−20 23.3	2.344	3.164	11.6	21.8
2 21	10 48.88	−19 43.7	2.259	3.143	9.5	21.6
3 2	10 40.64	−18 37.0	2.201	3.122	8.0	21.4
3 12	10 32.35	−17 6.2	2.170	3.100	7.7	21.4
3 22	10 24.86	−15 17.1	2.167	3.077	9.0	21.4
4 1	10 18.88	−13 18.1	2.191	3.054	11.2	21.5

243136 2007 RJ_{303} 2 28.5 238°.62 4°.2/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.17	+16 24.5	1.696	2.510	15.4	20.5
2 1	11 8.40	+17 8.0	1.609	2.500	12.0	20.2
2 11	11 0.79	+17 58.2	1.544	2.491	8.1	20.0
2 21	10 50.96	+18 47.7	1.504	2.480	4.7	19.8
3 2	10 39.97	+19 28.0	1.493	2.470	5.0	19.8
3 12	10 29.20	+19 52.1	1.510	2.459	8.7	19.9
3 22	10 19.92	+19 56.4	1.551	2.448	12.8	20.2
4 1	10 13.12	+19 40.4	1.615	2.436	16.5	20.4

88276 2001 MN_6 2 28.5 177°.83 0°.2/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.90	+ 3 51.4	1.916	2.696	15.2	20.3
2 1	11 5.38	+ 4 34.2	1.827	2.698	11.9	20.1
2 11	10 58.53	+ 5 33.9	1.761	2.700	8.0	19.8
2 21	10 49.89	+ 6 45.9	1.722	2.701	3.6	19.6
3 2	10 40.36	+ 8 3.7	1.711	2.701	1.1	19.4
3 12	10 31.02	+ 9 19.4	1.731	2.701	5.7	19.7
3 22	10 22.89	+10 26.1	1.778	2.699	9.9	20.0
4 1	10 16.78	+11 18.8	1.850	2.697	13.6	20.2

327880 2007 AB_{29} 2 28.5 244°.24 1°.3/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 5.48	+ 7 39.2	1.894	2.695	14.5	21.0
2 1	11 2.06	+ 8 34.2	1.805	2.691	11.2	20.7
2 11	10 56.38	+ 9 43.9	1.739	2.686	7.3	20.5
2 21	10 48.97	+11 2.6	1.699	2.681	3.1	20.2
3 2	10 40.66	+12 23.0	1.689	2.676	2.2	20.1
3 12	10 32.52	+13 36.9	1.707	2.671	6.4	20.4
3 22	10 25.52	+14 37.8	1.751	2.666	10.5	20.6
4 1	10 20.46	+15 21.6	1.820	2.661	14.1	20.8

354851 2005 YV_{149} 2 28.5 89°.51 1°.7/27.3 18

1 22	11 11.86	+ 9 19.5	1.455	2.266	17.7	21.4
2 1	11 7.40	+ 9 54.3	1.390	2.281	13.6	21.2
2 11	11 0.04	+10 42.6	1.346	2.295	8.9	20.9
2 21	10 50.56	+11 37.8	1.327	2.309	3.8	20.7
3 2	10 40.17	+12 31.5	1.335	2.323	2.6	20.6
3 12	10 30.30	+13 15.7	1.370	2.336	7.4	21.0
3 22	10 22.19	+13 44.9	1.430	2.350	12.0	21.3
4 1	10 16.69	+13 56.7	1.512	2.363	15.9	21.5

465931 2010 XN_{50} 2 28.5 31°.91 6°.2/23.1 18

1 22	11 6.49	+19 34.5	1.537	2.373	15.7	21.2
2 1	11 3.28	+20 59.7	1.478	2.380	12.1	21.0
2 11	10 57.34	+22 29.2	1.442	2.389	8.5	20.8
2 21	10 49.40	+23 52.6	1.430	2.398	6.3	20.7
3 2	10 40.56	+24 59.5	1.445	2.407	7.3	20.7
3 12	10 32.19	+25 42.2	1.486	2.417	10.5	20.9
3 22	10 25.43	+25 58.1	1.549	2.428	13.9	21.2
4 1	10 21.10	+25 48.1	1.633	2.438	17.1	21.4

186160 2001 UL_{116} 2 28.5 228°.67 4°.2/ 3.7 18

1 22	11 6.02	− 6 54.4	2.150	2.881	15.2	20.6
2 1	11 2.26	− 6 53.3	2.045	2.873	12.7	20.4
2 11	10 56.43	− 6 31.7	1.961	2.864	9.6	20.2
2 21	10 48.99	− 5 49.8	1.902	2.855	6.4	20.0
3 2	10 40.67	− 4 50.1	1.870	2.846	4.3	19.8
3 12	10 32.41	− 3 37.8	1.867	2.836	5.5	19.9
3 22	10 25.10	− 2 20.0	1.892	2.826	8.6	20.0
4 1	10 19.52	− 1 3.7	1.943	2.815	12.0	20.2

94854 2001 XP_{210} 2 28.5 32°.15 2°.1/ 1.1 18

1 22	11 6.07	+ 0 35.8	1.294	2.098	19.9	19.2
2 1	11 3.33	+ 0 46.5	1.223	2.104	15.8	18.9
2 11	10 57.60	+ 1 21.3	1.171	2.110	11.0	18.7
2 21	10 49.60	+ 2 17.0	1.141	2.118	5.7	18.4
3 2	10 40.49	+ 3 26.7	1.136	2.126	2.2	18.2
3 12	10 31.77	+ 4 40.3	1.157	2.134	6.6	18.5
3 22	10 24.76	+ 5 48.0	1.202	2.143	11.8	18.8
4 1	10 20.42	+ 6 42.2	1.269	2.152	16.3	19.1

52927 1998 SC_{122} 2 28.5 82°.35 0°.6/28.1 18

1 22	11 11.09	+ 7 45.7	1.692	2.490	16.1	18.7
2 1	11 6.37	+ 8 4.9	1.625	2.507	12.5	18.5
2 11	10 59.15	+ 8 36.3	1.579	2.524	8.2	18.3
2 21	10 50.12	+ 9 15.4	1.560	2.541	3.5	18.0
3 2	10 40.35	+ 9 55.8	1.568	2.558	1.5	17.9
3 12	10 31.03	+10 31.1	1.605	2.574	6.1	18.3
3 22	10 23.22	+10 56.6	1.668	2.591	10.4	18.5
4 1	10 17.67	+11 9.4	1.755	2.607	14.0	18.8

341620 2007 US_{137} 2 28.5 41°.72 3°.0/ 2.8 17

1 22	11 2.40	− 4 12.3	2.074	2.829	15.0	20.3
2 1	10 59.37	− 3 51.3	1.991	2.838	12.1	20.1
2 11	10 54.41	− 3 10.4	1.930	2.848	8.8	19.9
2 21	10 48.04	− 2 11.6	1.893	2.858	5.3	19.7
3 2	10 41.02	− 0 59.2	1.884	2.868	3.0	19.6
3 12	10 34.22	+ 0 20.1	1.904	2.878	4.8	19.7
3 22	10 28.44	+ 1 39.4	1.952	2.889	8.2	19.9
4 1	10 24.33	+ 2 52.1	2.026	2.900	11.5	20.1

424135 2007 FV_{23} 2 28.5 286°.73 3°.0/26.0 17

1 22	11 9.56	+14 17.2	1.934	2.743	14.0	21.5
2 1	11 5.41	+14 51.2	1.828	2.718	10.9	21.3
2 11	10 58.77	+15 33.1	1.745	2.692	7.3	21.0
2 21	10 50.11	+16 17.2	1.688	2.667	3.8	20.7
3 2	10 40.29	+16 56.8	1.659	2.641	3.8	20.7
3 12	10 30.48	+17 25.2	1.659	2.615	7.5	20.8
3 22	10 21.78	+17 38.2	1.686	2.589	11.6	21.0
4 1	10 15.16	+17 33.9	1.735	2.562	15.3	21.2

32777 1987 QF_{1} 2 28.5 186°.95 0°.7/29.3 18

1 22	11 7.35	+ 3 14.7	2.394	3.163	12.8	19.5
2 1	11 2.96	+ 3 40.2	2.299	3.162	10.1	19.3
2 11	10 56.69	+ 4 18.7	2.227	3.161	6.8	19.0
2 21	10 49.04	+ 5 7.3	2.182	3.160	3.2	18.8
3 2	10 40.69	+ 6 1.5	2.168	3.158	1.0	18.6
3 12	10 32.47	+ 6 56.2	2.184	3.155	4.5	18.9
3 22	10 25.18	+ 7 46.3	2.228	3.152	8.1	19.1
4 1	10 19.46	+ 8 27.9	2.299	3.148	11.2	19.3

193970 2001 RW_{98} 2 28.5 150°.71 0°.3/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 9.77	+ 3 20.6	1.805	2.587	15.9	21.4
2 1	11 5.36	+ 4 6.0	1.724	2.596	12.4	21.2
2 11	10 58.54	+ 5 9.2	1.665	2.604	8.3	21.0
2 21	10 49.91	+ 6 25.5	1.633	2.612	3.7	20.7
3 2	10 40.41	+ 7 47.9	1.629	2.619	1.1	20.5
3 12	10 31.20	+ 9 7.7	1.655	2.625	5.8	20.9
3 22	10 23.30	+10 17.6	1.708	2.631	10.1	21.1
4 1	10 17.52	+11 12.7	1.785	2.636	13.9	21.4

199119 2005 YF_{77} 2 28.5 231°.80 4°.2/24.9 18

1 22	11 10.57	+14 56.4	1.668	2.485	15.5	20.8
2 1	11 6.45	+16 3.5	1.582	2.476	12.0	20.6
2 11	10 59.56	+17 20.7	1.519	2.467	8.0	20.3
2 21	10 50.46	+18 39.8	1.481	2.458	4.7	20.1
3 2	10 40.21	+19 51.0	1.471	2.447	5.2	20.1
3 12	10 30.13	+20 45.4	1.489	2.437	9.0	20.3
3 22	10 21.48	+21 17.9	1.532	2.426	13.1	20.5
4 1	10 15.25	+21 27.0	1.597	2.414	16.8	20.7

36822 2000 SH_{86} 2 28.5 334°.01 2°.9/25.8 18

1 22	11 5.15	+11 55.8	1.740	2.558	14.9	19.1
2 1	11 2.01	+12 56.1	1.658	2.554	11.4	18.8
2 11	10 56.45	+14 8.1	1.600	2.551	7.5	18.6
2 21	10 49.04	+15 24.8	1.567	2.547	3.7	18.4
3 2	10 40.70	+16 37.7	1.562	2.544	3.8	18.4
3 12	10 32.58	+17 38.5	1.584	2.541	7.7	18.6
3 22	10 25.74	+18 21.6	1.632	2.539	11.7	18.8
4 1	10 21.02	+18 44.4	1.702	2.536	15.2	19.0

423748 2006 CK_{4} 2 28.5 18°.63 2°.0/26.6 16

1 22	10 59.19	+ 5 32.7	1.353	2.181	17.8	20.2
2 1	10 57.84	+ 7 11.4	1.288	2.189	13.7	19.9
2 11	10 53.87	+ 9 13.2	1.245	2.199	8.8	19.7
2 21	10 47.93	+11 28.5	1.227	2.210	3.7	19.4
3 2	10 41.08	+13 43.9	1.235	2.222	3.1	19.4
3 12	10 34.60	+15 45.5	1.270	2.235	8.0	19.7
3 22	10 29.62	+17 23.4	1.329	2.250	12.7	20.0
4 1	10 26.96	+18 32.5	1.410	2.265	16.7	20.3

467520 2007 GA_{10} 2 28.5 246°.99 5°.8/22.8 17

1 22	11 12.82	+24 24.5	2.302	3.107	12.1	21.0
2 1	11 7.51	+25 18.8	2.209	3.091	9.7	20.8
2 11	10 59.89	+26 12.7	2.141	3.074	7.2	20.6
2 21	10 50.51	+26 59.0	2.101	3.056	5.8	20.5
3 2	10 40.22	+27 30.9	2.090	3.038	6.6	20.5
3 12	10 30.08	+27 43.4	2.107	3.020	8.9	20.6
3 22	10 21.09	+27 34.9	2.150	3.001	11.7	20.8
4 1	10 14.06	+27 6.2	2.216	2.981	14.4	20.9

154012 2002 BX_{22} 2 28.5 45°.01 3°.0/26.6 18

1 22	11 13.47	+15 1.0	1.563	2.379	16.4	19.3
2 1	11 8.42	+15 12.2	1.500	2.393	12.6	19.1
2 11	11 0.58	+15 28.7	1.458	2.407	8.3	18.9
2 21	10 50.78	+15 44.3	1.442	2.422	4.1	18.7
3 2	10 40.18	+15 53.0	1.454	2.437	3.7	18.7
3 12	10 30.19	+15 49.7	1.492	2.453	7.6	19.0
3 22	10 21.95	+15 32.6	1.557	2.469	11.7	19.2
4 1	10 16.24	+15 1.7	1.644	2.485	15.3	19.5

233736 2008 SS_{256} 2 28.5 157°.09 0°.7/27.8 17

1 22	11 7.06	+ 7 59.2	2.287	3.076	12.8	21.3
2 1	11 2.78	+ 8 27.7	2.201	3.079	9.9	21.1
2 11	10 56.60	+ 9 6.2	2.139	3.082	6.5	20.9
2 21	10 49.01	+ 9 50.8	2.104	3.085	2.8	20.7
3 2	10 40.75	+10 36.5	2.099	3.088	1.4	20.5
3 12	10 32.69	+11 18.3	2.124	3.091	5.1	20.8
3 22	10 25.63	+11 51.8	2.176	3.093	8.6	21.0
4 1	10 20.23	+12 14.3	2.254	3.095	11.7	21.2

115100 2003 SY_{22} 2 28.5 74°.25 0°.1/28.5 18

1 22	11 7.98	+ 6 42.0	2.033	2.822	14.1	20.0
2 1	11 3.72	+ 6 52.9	1.949	2.826	11.0	19.8
2 11	10 57.32	+ 7 15.0	1.888	2.830	7.3	19.6
2 21	10 49.35	+ 7 44.9	1.853	2.833	3.2	19.3
3 2	10 40.63	+ 8 17.9	1.847	2.837	1.1	19.2
3 12	10 32.16	+ 8 48.9	1.870	2.841	5.3	19.5
3 22	10 24.83	+ 9 13.5	1.921	2.845	9.1	19.7
4 1	10 19.36	+ 9 28.5	1.996	2.849	12.5	19.9

486869 2014 KE_{31} 2 28.5 201°.43 3°.5/25.7 18

1 22	11 9.58	+12 0.8	1.513	2.332	16.7	21.1
2 1	11 5.83	+13 9.6	1.435	2.331	12.9	20.9
2 11	10 59.20	+14 32.2	1.378	2.329	8.5	20.6
2 21	10 50.32	+16 0.2	1.347	2.327	4.3	20.4
3 2	10 40.30	+17 22.9	1.343	2.324	4.5	20.4
3 12	10 30.55	+18 30.3	1.366	2.321	8.8	20.6
3 22	10 22.36	+19 15.9	1.413	2.318	13.2	20.8
4 1	10 16.73	+19 37.5	1.482	2.315	17.2	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
111097 2001 VW_{68}			2 28.5 229°.67		3°.7/ 2.9 17	
	h m	° ′			°	m
1 22	11 10.54	− 4 20.6	2.429	3.156	13.8	20.8
2 1	11 5.56	− 4 40.8	2.315	3.142	11.4	20.6
2 11	10 58.55	− 4 46.0	2.222	3.127	8.6	20.4
2 21	10 49.94	− 4 36.3	2.156	3.112	5.6	20.2
3 2	10 40.43	− 4 12.9	2.119	3.095	3.8	20.0
3 12	10 30.89	− 3 39.3	2.112	3.078	5.1	20.1
3 22	10 22.21	− 3 0.0	2.134	3.061	8.2	20.2
4 1	10 15.14	− 2 20.1	2.182	3.042	11.3	20.4
427125 2014 UL_{100}			2 28.5 133°.67		1°.5/27.2 18	
1 22	11 7.66	+ 8 52.6	1.781	2.585	15.2	21.2
2 1	11 3.82	+ 9 36.4	1.701	2.588	11.7	20.9
2 11	10 57.57	+10 33.1	1.643	2.591	7.6	20.7
2 21	10 49.52	+11 37.1	1.611	2.593	3.3	20.4
3 2	10 40.59	+12 41.0	1.608	2.596	2.3	20.4
3 12	10 31.92	+13 37.3	1.633	2.598	6.6	20.6
3 22	10 24.56	+14 20.2	1.684	2.600	10.8	20.9
4 1	10 19.30	+14 46.7	1.759	2.602	14.4	21.1
459539 2013 GG_{17}			2 28.5 248°.47		3°.3/25.8 17	
1 22	11 8.83	+12 38.0	1.685	2.499	15.5	21.8
2 1	11 5.06	+13 37.2	1.596	2.490	11.9	21.5
2 11	10 58.62	+14 48.4	1.530	2.480	7.9	21.3
2 21	10 50.07	+16 4.2	1.491	2.470	4.0	21.0
3 2	10 40.40	+17 15.7	1.479	2.460	4.2	21.0
3 12	10 30.88	+18 13.9	1.494	2.449	8.2	21.2
3 22	10 22.72	+18 53.1	1.535	2.438	12.5	21.4
4 1	10 16.87	+19 10.8	1.598	2.427	16.3	21.6
56702 2000 LQ_{28}			2 28.5 167°.18		2°.6/ 2.8 18	R
1 22	11 6.95	− 3 17.7	3.181	3.903	10.9	19.7
2 1	11 2.15	− 3 28.0	3.082	3.908	8.9	19.5
2 11	10 55.92	− 3 27.0	3.006	3.912	6.5	19.3
2 21	10 48.66	− 3 15.2	2.958	3.916	4.1	19.2
3 2	10 40.90	− 2 54.4	2.941	3.919	2.6	19.1
3 12	10 33.25	− 2 27.5	2.954	3.922	3.8	19.2
3 22	10 26.29	− 1 57.5	2.998	3.925	6.1	19.3
4 1	10 20.51	− 1 27.8	3.070	3.926	8.5	19.5
422586 2014 TN_{59}			2 28.5 102°.63		0°.4/28.9 18	
1 22	11 10.10	+ 4 49.2	1.936	2.718	15.0	21.0
2 1	11 5.33	+ 5 7.8	1.864	2.736	11.7	20.8
2 11	10 58.35	+ 5 39.9	1.814	2.753	7.8	20.6
2 21	10 49.79	+ 6 21.6	1.791	2.770	3.5	20.4
3 2	10 40.54	+ 7 7.6	1.797	2.787	1.0	20.3
3 12	10 31.66	+ 7 52.0	1.831	2.803	5.3	20.6
3 22	10 24.07	+ 8 29.7	1.894	2.819	9.2	20.9
4 1	10 18.46	+ 8 57.0	1.981	2.834	12.6	21.1
329832 2004 RO_{326}			2 28.5 222°.48		2°.8/ 2.4 17	
1 22	11 5.64	− 3 13.1	2.257	3.004	14.1	21.5
2 1	11 1.85	− 2 59.0	2.153	2.997	11.5	21.3
2 11	10 56.11	− 2 26.9	2.072	2.990	8.4	21.0
2 21	10 48.86	− 1 38.4	2.016	2.982	5.0	20.8
3 2	10 40.82	− 0 36.7	1.990	2.974	2.8	20.7
3 12	10 32.85	+ 0 32.5	1.992	2.965	4.8	20.8
3 22	10 25.80	+ 1 42.9	2.023	2.956	8.2	21.0
4 1	10 20.37	+ 2 48.5	2.081	2.947	11.5	21.1
495594 2015 AX_{223}			2 28.5 264°.69		6°.3/ 5.3 17	
1 22	11 7.05	−11 26.1	2.291	2.989	15.2	21.3
2 1	11 3.10	−12 1.3	2.174	2.970	13.1	21.1
2 11	10 57.06	−12 17.4	2.077	2.950	10.6	20.9
2 21	10 49.35	−12 12.5	2.003	2.931	8.1	20.7
3 2	10 40.65	−11 46.4	1.956	2.910	6.4	20.6
3 12	10 31.87	−11 1.8	1.937	2.890	6.8	20.6
3 22	10 23.94	−10 3.7	1.945	2.869	9.1	20.6
4 1	10 17.65	− 8 59.0	1.979	2.848	11.9	20.8
64007 2001 SF_{126}			2 28.5 58°.04		2°.7/ 1.7 18	
1 22	11 7.63	− 2 14.1	1.253	2.046	21.0	19.0
2 1	11 4.40	− 1 45.9	1.197	2.069	16.7	18.8
2 11	10 58.19	− 0 49.3	1.159	2.093	11.7	18.5
2 21	10 49.82	+ 0 31.2	1.143	2.117	6.3	18.3
3 2	10 40.57	+ 2 6.8	1.153	2.141	2.7	18.1
3 12	10 31.93	+ 3 45.5	1.188	2.165	6.5	18.4
3 22	10 25.14	+ 5 15.9	1.249	2.190	11.4	18.8
4 1	10 21.04	+ 6 29.9	1.332	2.214	15.7	19.1
249173 2008 CG_{42}			2 28.5 134°.28		6°.6/ 6.5 17	
1 22	11 6.75	−13 52.9	2.591	3.264	14.2	20.2
2 1	11 2.48	−14 42.3	2.492	3.264	12.3	20.1
2 11	10 56.41	−15 14.1	2.413	3.265	10.2	19.9
2 21	10 48.97	−15 26.4	2.358	3.266	8.1	19.8
3 2	10 40.82	−15 18.9	2.330	3.267	6.7	19.7
3 12	10 32.73	−14 53.8	2.329	3.267	6.8	19.7
3 22	10 25.48	−14 15.0	2.356	3.268	8.3	19.8
4 1	10 19.71	−13 28.1	2.409	3.269	10.4	19.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
330936 2009 SB_{230}			2 28.5 125°.14		3°.1/ 3.0 18	
	h m	° ′			°	m
1 22	11 5.73	− 5 23.7	2.149	2.889	15.0	21.6
2 1	11 1.87	− 4 57.7	2.063	2.900	12.2	21.4
2 11	10 56.06	− 4 11.2	1.999	2.911	8.9	21.2
2 21	10 48.81	− 3 6.0	1.961	2.922	5.5	21.0
3 2	10 40.88	− 1 46.6	1.951	2.933	3.2	20.9
3 12	10 33.18	− 0 19.6	1.970	2.943	4.8	21.0
3 22	10 26.52	+ 1 7.7	2.019	2.953	8.2	21.2
4 1	10 21.56	+ 2 28.4	2.093	2.962	11.4	21.5
157128 2004 NQ_{20}			2 28.5 202°.11		1°.7/ 1.1 18	
1 22	11 10.73	+ 0 32.5	2.051	2.811	15.0	21.7
2 1	11 5.99	+ 0 49.3	1.951	2.807	12.0	21.5
2 11	10 58.97	+ 1 23.0	1.873	2.801	8.4	21.3
2 21	10 50.17	+ 2 11.4	1.821	2.794	4.4	21.0
3 2	10 40.42	+ 3 10.0	1.798	2.787	1.8	20.8
3 12	10 30.77	+ 4 12.6	1.806	2.778	5.2	21.0
3 22	10 22.21	+ 5 12.6	1.841	2.769	9.2	21.3
4 1	10 15.56	+ 6 4.6	1.903	2.759	12.9	21.5
320274 2007 RD_{72}			2 28.5 125°.98		1°.5/26.9 18	
1 22	11 5.74	+10 0.5	2.220	3.018	12.8	20.9
2 1	11 1.87	+10 41.9	2.136	3.021	9.8	20.7
2 11	10 56.05	+11 32.7	2.077	3.024	6.4	20.5
2 21	10 48.82	+12 28.2	2.046	3.027	2.8	20.3
3 2	10 40.91	+13 22.6	2.043	3.030	2.2	20.2
3 12	10 33.21	+14 10.3	2.070	3.032	5.7	20.4
3 22	10 26.52	+14 47.0	2.125	3.035	9.1	20.7
4 1	10 21.51	+15 10.2	2.203	3.038	12.2	20.9
132970 2002 TQ_{142}			2 28.5 203°.48		3°.1/25.3 18	
1 22	11 10.57	+17 36.9	2.614	3.410	11.1	20.1
2 1	11 5.32	+18 8.9	2.523	3.406	8.6	20.0
2 11	10 58.21	+18 43.5	2.459	3.401	5.8	19.8
2 21	10 49.74	+19 16.0	2.422	3.396	3.5	19.6
3 2	10 40.61	+19 41.6	2.417	3.390	3.7	19.6
3 12	10 31.67	+19 56.4	2.441	3.384	6.2	19.8
3 22	10 23.69	+19 58.2	2.494	3.378	9.1	19.9
4 1	10 17.31	+19 46.5	2.571	3.371	11.7	20.1
503153 2015 GL_{29}			2 28.5 255°.01		5°.3/23.4 17	
1 22	11 11.69	+24 17.4	2.353	3.159	11.9	21.3
2 1	11 6.41	+24 55.2	2.274	3.157	9.4	21.1
2 11	10 59.02	+25 31.0	2.220	3.154	6.9	20.9
2 21	10 50.11	+25 58.8	2.194	3.151	5.3	20.8
3 2	10 40.51	+26 13.1	2.196	3.149	5.9	20.9
3 12	10 31.22	+26 10.2	2.227	3.146	8.2	21.0
3 22	10 23.11	+25 49.3	2.284	3.143	10.8	21.2
4 1	10 16.87	+25 11.4	2.364	3.140	13.3	21.3
313379 2002 KP_{16}			2 28.5 322°.16		4°.0/ 2.5 18	
1 22	11 8.51	− 2 38.9	1.627	2.395	17.9	20.8
2 1	11 4.80	− 3 1.2	1.538	2.393	14.7	20.6
2 11	10 58.45	− 3 3.1	1.470	2.391	10.8	20.3
2 21	10 50.02	− 2 45.0	1.424	2.390	6.7	20.1
3 2	10 40.51	− 2 9.5	1.405	2.388	4.1	19.9
3 12	10 31.17	− 1 22.6	1.413	2.386	6.3	20.0
3 22	10 23.19	− 0 31.5	1.447	2.385	10.4	20.3
4 1	10 17.52	+ 0 16.5	1.505	2.384	14.4	20.5
88692 2001 RU_{132}			2 28.5 138°.11		2°.1/26.5 18	
1 22	11 7.66	+10 32.6	1.922	2.726	14.2	20.1
2 1	11 3.65	+11 26.8	1.844	2.732	10.9	19.9
2 11	10 57.39	+12 32.1	1.789	2.737	7.1	19.7
2 21	10 49.45	+13 42.3	1.761	2.742	3.2	19.4
3 2	10 40.72	+14 49.9	1.762	2.747	2.9	19.4
3 12	10 32.26	+15 47.9	1.792	2.751	6.7	19.7
3 22	10 25.02	+16 31.2	1.848	2.755	10.5	19.9
4 1	10 19.75	+16 57.3	1.928	2.759	13.8	20.1
11962 1994 PX			2 28.5 165°.24		0°.4/28.1 18	R
1 22	11 5.19	+ 5 1.6	2.408	3.187	12.5	18.8
2 1	11 1.30	+ 5 56.6	2.319	3.191	9.7	18.6
2 11	10 55.62	+ 7 4.6	2.254	3.195	6.4	18.4
2 21	10 48.63	+ 8 21.6	2.218	3.198	2.7	18.1
3 2	10 40.99	+ 9 41.7	2.211	3.201	1.1	18.0
3 12	10 33.52	+10 58.5	2.236	3.203	4.8	18.3
3 22	10 26.94	+12 6.6	2.289	3.205	8.3	18.5
4 1	10 21.88	+13 2.1	2.368	3.207	11.3	18.7
109511 2001 QY_{235}			2 28.6 209°.97		1°.1/27.3 18	
1 22	11 5.49	+ 9 13.1	2.461	3.252	11.9	20.5
2 1	11 1.53	+ 9 48.3	2.369	3.249	9.1	20.3
2 11	10 55.77	+10 32.5	2.301	3.246	6.0	20.1
2 21	10 48.70	+11 21.8	2.261	3.243	2.6	19.9
3 2	10 40.98	+12 11.3	2.252	3.239	1.7	19.8
3 12	10 33.40	+12 55.9	2.272	3.236	5.1	20.1
3 22	10 26.70	+13 31.6	2.320	3.232	8.4	20.3
4 1	10 21.51	+13 55.7	2.393	3.228	11.3	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
256282 2006 WT_{105}			2 28.6 268°.46		0°.1/28.6 17	
	h m	° ′			°	m
1 22	11 7.12	+ 5 22.3	1.780	2.575	15.6	21.4
2 1	11 3.53	+ 5 48.2	1.687	2.567	12.2	21.1
2 11	10 57.51	+ 6 29.7	1.617	2.560	8.2	20.9
2 21	10 49.59	+ 7 22.8	1.573	2.553	3.6	20.6
3 2	10 40.68	+ 8 21.4	1.556	2.546	1.2	20.4
3 12	10 31.91	+ 9 18.2	1.567	2.539	6.0	20.7
3 22	10 24.36	+10 6.7	1.605	2.531	10.4	20.9
4 1	10 18.90	+10 42.0	1.666	2.524	14.4	21.1
281790 2009 UL_{91}			2 28.6 146°.71		3°.1/25.6 18	
1 22	11 7.95	+14 5.4	2.002	2.812	13.5	20.5
2 1	11 3.82	+14 58.7	1.924	2.815	10.4	20.3
2 11	10 57.47	+15 59.5	1.870	2.818	6.8	20.1
2 21	10 49.49	+17 1.5	1.842	2.820	3.7	19.9
3 2	10 40.73	+17 57.5	1.844	2.823	3.9	19.9
3 12	10 32.24	+18 41.3	1.874	2.826	7.1	20.1
3 22	10 24.94	+19 9.0	1.931	2.828	10.7	20.4
4 1	10 19.58	+19 19.2	2.011	2.830	13.8	20.6
236107 2005 QE_{94}			2 28.6 170°.47		0°.7/27.6 17	
1 22	11 3.28	+ 7 11.2	2.654	3.439	11.3	20.6
2 1	10 59.68	+ 8 0.2	2.564	3.441	8.7	20.4
2 11	10 54.48	+ 8 59.4	2.498	3.442	5.7	20.2
2 21	10 48.12	+10 5.0	2.462	3.443	2.4	20.0
3 2	10 41.19	+11 11.9	2.455	3.444	1.4	19.9
3 12	10 34.39	+12 14.9	2.479	3.445	4.6	20.2
3 22	10 28.39	+13 9.6	2.532	3.445	7.7	20.4
4 1	10 23.73	+13 52.8	2.611	3.446	10.5	20.5
370991 2005 TP_{31}			2 28.6 216°.24		0°.1/28.4 17	
1 22	11 8.03	+ 5 34.5	2.318	3.096	12.9	22.6
2 1	11 3.66	+ 6 7.4	2.217	3.087	10.1	22.4
2 11	10 57.30	+ 6 52.7	2.139	3.078	6.7	22.2
2 21	10 49.43	+ 7 47.1	2.089	3.069	3.0	21.9
3 2	10 40.75	+ 8 45.5	2.068	3.058	1.0	21.8
3 12	10 32.16	+ 9 42.1	2.078	3.047	5.0	22.0
3 22	10 24.49	+10 31.7	2.117	3.036	8.7	22.2
4 1	10 18.46	+11 10.6	2.181	3.023	12.0	22.4
2214 Carol			2 28.6 205°.39		2°.1/ 2.6 18	R
1 22	11 3.16	− 3 28.1	3.241	3.970	10.6	18.0
2 1	10 59.32	− 3 4.0	3.131	3.964	8.6	17.9
2 11	10 54.13	− 2 26.7	3.045	3.957	6.2	17.7
2 21	10 47.95	− 1 37.8	2.987	3.950	3.7	17.5
3 2	10 41.26	− 0 39.8	2.960	3.943	2.1	17.4
3 12	10 34.63	+ 0 23.3	2.964	3.935	3.5	17.5
3 22	10 28.61	+ 1 27.4	2.998	3.927	6.0	17.6
4 1	10 23.67	+ 2 28.3	3.060	3.918	8.5	17.8
318266 2004 SH_{20}			2 28.6 186°.51		0°.3/28.9 17	
1 22	11 7.66	+ 4 45.3	2.618	3.386	11.9	22.1
2 1	11 3.07	+ 5 10.3	2.521	3.386	9.3	21.9
2 11	10 56.74	+ 5 46.2	2.449	3.385	6.2	21.7
2 21	10 49.13	+ 6 30.0	2.405	3.383	2.8	21.4
3 2	10 40.88	+ 7 17.8	2.391	3.381	0.8	21.3
3 12	10 32.76	+ 8 4.9	2.408	3.378	4.3	21.5
3 22	10 25.49	+ 8 47.0	2.455	3.375	7.6	21.7
4 1	10 19.66	+ 9 20.9	2.528	3.371	10.5	21.9
83390 2001 SK_{21}			2 28.6 192°.28		4°.1/23.7 18	
1 22	11 8.46	+21 2.3	2.688	3.492	10.6	19.7
2 1	11 3.68	+21 50.3	2.606	3.490	8.3	19.6
2 11	10 57.13	+22 39.2	2.550	3.488	5.8	19.4
2 21	10 49.29	+23 23.6	2.522	3.486	4.2	19.3
3 2	10 40.84	+23 58.4	2.524	3.484	4.8	19.3
3 12	10 32.59	+24 19.7	2.555	3.481	6.9	19.5
3 22	10 25.28	+24 25.6	2.614	3.478	9.4	19.6
4 1	10 19.50	+24 15.8	2.696	3.475	11.8	19.8
212972 2009 BQ_{123}			2 28.6 32°.14		0°.4/28.9 17	
1 22	11 3.54	+ 3 47.0	2.062	2.849	14.0	20.6
2 1	11 0.31	+ 4 19.2	1.979	2.854	10.9	20.4
2 11	10 55.11	+ 5 6.1	1.919	2.859	7.3	20.2
2 21	10 48.46	+ 6 3.8	1.885	2.865	3.4	20.0
3 2	10 41.11	+ 7 7.1	1.880	2.870	0.9	19.8
3 12	10 33.98	+ 8 9.3	1.904	2.876	5.0	20.1
3 22	10 27.89	+ 9 4.8	1.955	2.883	8.8	20.4
4 1	10 23.51	+ 9 49.1	2.031	2.889	12.1	20.6
247053 2000 NV_{19}			2 28.6 248°.51		2°.0/26.0 18	
1 22	11 3.84	+10 50.2	2.577	3.373	11.2	20.8
2 1	11 0.29	+11 54.6	2.476	3.361	8.6	20.6
2 11	10 55.01	+13 8.7	2.401	3.348	5.6	20.4
2 21	10 48.41	+14 27.7	2.354	3.334	2.7	20.2
3 2	10 41.12	+15 45.4	2.338	3.321	2.7	20.1
3 12	10 33.88	+16 56.0	2.352	3.307	5.7	20.3
3 22	10 27.42	+17 54.5	2.395	3.293	8.8	20.5
4 1	10 22.37	+18 38.2	2.462	3.278	11.6	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
291508 2006 DK_{186}			2 28.6 192°.68		3°.7/24.4 17	
	h m	° ′			°	m
1 22	11 11.10	+20 13.9	2.797	3.593	10.5	21.7
2 1	11 5.62	+20 52.8	2.710	3.591	8.1	21.5
2 11	10 58.37	+21 32.6	2.650	3.588	5.7	21.3
2 21	10 49.83	+22 8.6	2.618	3.585	3.8	21.2
3 2	10 40.68	+22 35.7	2.616	3.581	4.3	21.2
3 12	10 31.73	+22 50.6	2.645	3.576	6.5	21.4
3 22	10 23.71	+22 51.4	2.703	3.571	9.0	21.5
4 1	10 17.22	+22 38.0	2.784	3.566	11.4	21.7
33385 1999 CY_{46}			2 28.6 104°.30		2°.8/26.2 18	
1 22	11 9.03	+10 28.2	1.530	2.346	16.7	18.1
2 1	11 5.23	+11 38.4	1.462	2.356	12.8	17.8
2 11	10 58.69	+13 2.7	1.416	2.366	8.3	17.6
2 21	10 50.11	+14 32.7	1.396	2.376	3.9	17.4
3 2	10 40.59	+15 58.2	1.403	2.386	3.8	17.4
3 12	10 31.48	+17 9.6	1.437	2.396	8.1	17.7
3 22	10 23.94	+18 0.6	1.497	2.405	12.4	17.9
4 1	10 18.84	+18 28.9	1.578	2.414	16.1	18.2
459517 2013 EN_{67}			2 28.6 280°.93		1°.6/27.3 16	
1 22	11 6.76	+ 7 51.0	1.581	2.392	16.5	21.6
2 1	11 3.73	+ 8 40.8	1.484	2.374	12.9	21.3
2 11	10 57.95	+ 9 48.4	1.408	2.357	8.5	21.0
2 21	10 49.93	+11 8.1	1.357	2.339	3.7	20.7
3 2	10 40.61	+12 31.4	1.333	2.321	2.6	20.5
3 12	10 31.31	+13 48.0	1.336	2.303	7.5	20.8
3 22	10 23.32	+14 49.7	1.365	2.285	12.5	21.0
4 1	10 17.70	+15 31.3	1.416	2.267	16.8	21.2
233412 2006 GL_{30}			2 28.6 234°.23		1°.3/27.2 17	
1 22	11 5.97	+ 9 16.2	2.115	2.914	13.3	20.9
2 1	11 2.20	+ 9 55.7	2.027	2.912	10.3	20.7
2 11	10 56.39	+10 45.9	1.964	2.910	6.7	20.5
2 21	10 49.04	+11 41.9	1.927	2.908	2.9	20.2
3 2	10 40.94	+12 38.0	1.919	2.906	2.1	20.2
3 12	10 33.02	+13 27.9	1.940	2.904	5.8	20.4
3 22	10 26.14	+14 6.9	1.988	2.902	9.5	20.6
4 1	10 21.02	+14 32.1	2.061	2.900	12.8	20.8
209473 2004 GS_{80}			2 28.6 63°.97		0°.6/29.2 18	
1 22	11 4.51	+ 3 17.1	2.117	2.898	13.9	20.4
2 1	11 0.94	+ 3 49.6	2.040	2.912	10.8	20.2
2 11	10 55.45	+ 4 36.4	1.987	2.925	7.3	20.1
2 21	10 48.59	+ 5 33.8	1.960	2.939	3.4	19.8
3 2	10 41.11	+ 6 36.5	1.963	2.953	0.9	19.7
3 12	10 33.89	+ 7 38.1	1.994	2.967	4.8	20.0
3 22	10 27.73	+ 8 33.3	2.053	2.981	8.4	20.2
4 1	10 23.24	+ 9 17.8	2.137	2.994	11.7	20.4
202920 1997 YP_{19}			2 28.6 73°.10		1°.1/29.3 18	
1 22	11 12.13	+ 3 35.7	1.450	2.244	18.5	20.3
2 1	11 7.54	+ 3 44.3	1.388	2.266	14.5	20.1
2 11	11 0.13	+ 4 10.8	1.348	2.288	9.8	19.9
2 21	10 50.70	+ 4 51.2	1.331	2.310	4.6	19.6
3 2	10 40.44	+ 5 38.9	1.341	2.331	1.4	19.5
3 12	10 30.76	+ 6 26.2	1.379	2.353	6.2	19.8
3 22	10 22.84	+ 7 6.3	1.442	2.374	10.9	20.2
4 1	10 17.48	+ 7 34.6	1.528	2.396	14.9	20.4
150980 2001 TC_{216}			2 28.6 22°.89		1°.6/27.6 18	
1 22	11 13.39	+12 18.1	1.514	2.327	17.0	19.0
2 1	11 8.61	+12 9.8	1.441	2.332	13.2	18.8
2 11	11 0.93	+12 8.8	1.389	2.337	8.7	18.5
2 21	10 51.10	+12 10.4	1.362	2.344	3.8	18.3
3 2	10 40.30	+12 9.2	1.362	2.350	2.4	18.2
3 12	10 29.98	+12 0.7	1.390	2.358	7.1	18.5
3 22	10 21.39	+11 42.0	1.443	2.366	11.7	18.8
4 1	10 15.41	+11 12.2	1.519	2.374	15.6	19.0
58048 2002 XJ_{78}			2 28.6 205°.33		5°.4/24.1 18	
1 22	11 12.58	+18 9.1	1.650	2.469	15.5	18.6
2 1	11 8.06	+19 22.5	1.572	2.466	12.1	18.4
2 11	11 0.67	+20 42.6	1.516	2.462	8.4	18.1
2 21	10 51.05	+22 0.1	1.487	2.457	5.6	18.0
3 2	10 40.30	+23 4.5	1.485	2.452	6.4	18.0
3 12	10 29.83	+23 47.9	1.510	2.447	9.9	18.2
3 22	10 20.92	+24 6.4	1.559	2.440	13.7	18.4
4 1	10 14.54	+24 0.0	1.630	2.434	17.1	18.6
420583 2012 HT_{28}			2 28.6 68°.79		7°.2/21.9 18	
1 22	11 9.57	+23 57.8	1.722	2.549	14.6	20.9
2 1	11 5.49	+25 26.4	1.665	2.558	11.5	20.8
2 11	10 58.77	+26 54.4	1.631	2.568	8.7	20.6
2 21	10 50.12	+28 11.8	1.623	2.578	7.3	20.5
3 2	10 40.63	+29 9.0	1.642	2.587	8.3	20.6
3 12	10 31.61	+29 40.1	1.687	2.597	10.9	20.8
3 22	10 24.16	+29 43.8	1.755	2.607	13.9	21.0
4 1	10 19.08	+29 22.1	1.843	2.617	16.5	21.2

341381 2007 TJ_{121} 2 28.6 270°.02 3°.7/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 9.80	+18 10.1	2.228	3.036	12.4	20.9
2 1	11 5.10	+18 42.4	2.142	3.030	9.6	20.7
2 11	10 58.27	+19 17.5	2.079	3.024	6.5	20.5
2 21	10 49.87	+19 49.8	2.044	3.018	4.0	20.3
3 2	10 40.71	+20 13.8	2.039	3.012	4.3	20.3
3 12	10 31.77	+20 25.0	2.062	3.006	7.1	20.5
3 22	10 23.95	+20 21.1	2.112	3.000	10.3	20.7
4 1	10 17.97	+20 1.8	2.185	2.994	13.2	20.8

11452 1980 KE 2 28.6 225°.16 4°.4/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.42	− 6 8.1	2.104	2.834	15.5	18.8
2 1	11 5.05	− 6 20.0	1.996	2.823	12.9	18.6
2 11	10 58.43	− 6 12.7	1.908	2.811	9.8	18.4
2 21	10 50.03	− 5 45.8	1.845	2.799	6.6	18.2
3 2	10 40.63	− 5 1.1	1.810	2.786	4.4	18.0
3 12	10 31.23	− 4 3.4	1.805	2.772	5.8	18.1
3 22	10 22.83	− 2 59.1	1.827	2.758	9.1	18.2
4 1	10 16.25	− 1 55.0	1.875	2.743	12.5	18.4

425273 2009 WH_{129} 2 28.6 170°.64 1°.8/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.49	+ 0 25.2	2.284	3.044	13.6	22.6
2 1	11 3.18	+ 0 37.1	2.192	3.047	10.9	22.4
2 11	10 56.95	+ 1 3.7	2.122	3.049	7.6	22.2
2 21	10 49.28	+ 1 42.8	2.079	3.051	4.1	22.0
3 2	10 40.90	+ 2 30.7	2.065	3.053	1.8	21.8
3 12	10 32.68	+ 3 22.3	2.080	3.054	4.5	22.0
3 22	10 25.43	+ 4 12.2	2.125	3.054	8.1	22.2
4 1	10 19.82	+ 4 55.9	2.195	3.055	11.3	22.4

171677 2000 QG_{136} 2 28.6 163°.37 0°.1/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.08	+ 5 22.5	2.873	3.644	10.8	21.0
2 1	11 0.91	+ 5 48.4	2.781	3.648	8.4	20.8
2 11	10 55.23	+ 6 23.8	2.715	3.652	5.6	20.6
2 21	10 48.46	+ 7 5.8	2.677	3.656	2.5	20.4
3 2	10 41.18	+ 7 50.8	2.669	3.659	0.8	20.3
3 12	10 34.04	+ 8 34.6	2.692	3.662	3.9	20.5
3 22	10 27.65	+ 9 13.6	2.745	3.665	6.9	20.7
4 1	10 22.54	+ 9 44.9	2.824	3.667	9.6	20.9

429081 2009 QX_{57} 2 28.6 105°.00 1°.7/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.29	+ 3 28.6	1.937	2.707	15.4	21.1
2 1	11 7.90	+ 3 7.8	1.855	2.718	12.2	20.9
2 11	11 0.16	+ 2 59.4	1.796	2.728	8.4	20.7
2 21	10 50.71	+ 3 1.4	1.763	2.738	4.3	20.5
3 2	10 40.46	+ 3 11.1	1.760	2.748	1.8	20.3
3 12	10 30.53	+ 3 24.0	1.785	2.758	5.2	20.6
3 22	10 21.91	+ 3 36.2	1.839	2.768	9.2	20.8
4 1	10 15.37	+ 3 43.9	1.917	2.777	12.7	21.1

492596 2014 ON_{197} 2 28.6 179°.94 0°.2/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.03	+ 3 34.2	1.918	2.700	15.1	22.1
2 1	11 4.01	+ 4 16.9	1.829	2.702	11.8	21.9
2 11	10 57.71	+ 5 16.6	1.763	2.702	7.9	21.7
2 21	10 49.68	+ 6 29.0	1.723	2.703	3.6	21.4
3 2	10 40.77	+ 7 47.7	1.712	2.702	1.0	21.2
3 12	10 32.05	+ 9 4.7	1.730	2.702	5.6	21.5
3 22	10 24.49	+10 13.0	1.776	2.700	9.8	21.7
4 1	10 18.89	+11 7.6	1.847	2.698	13.5	22.0

41934 2000 WO_{179} 2 28.6 345°.26 0°.3/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 1.52	+ 4 27.1	1.542	2.354	16.8	18.4
2 1	10 59.54	+ 5 13.2	1.456	2.346	13.1	18.1
2 11	10 55.05	+ 6 19.6	1.392	2.339	8.8	17.9
2 21	10 48.60	+ 7 41.3	1.351	2.333	3.8	17.5
3 2	10 41.11	+ 9 10.3	1.337	2.327	1.4	17.4
3 12	10 33.80	+10 36.2	1.350	2.323	6.6	17.7
3 22	10 27.80	+11 50.2	1.388	2.319	11.4	17.9
4 1	10 23.99	+12 46.2	1.448	2.316	15.6	18.2

448172 2008 TS_{108} 2 28.6 80°.60 3°.4/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.40	+13 11.9	1.423	2.239	17.7	21.3
2 1	11 9.32	+14 4.1	1.370	2.264	13.5	21.1
2 11	11 1.30	+15 5.7	1.340	2.289	8.8	20.9
2 21	10 51.20	+16 8.0	1.334	2.314	4.4	20.7
3 2	10 40.34	+17 1.4	1.356	2.338	4.3	20.8
3 12	10 30.19	+17 38.7	1.405	2.362	8.4	21.1
3 22	10 21.98	+17 56.1	1.479	2.385	12.6	21.4
4 1	10 16.48	+17 53.4	1.574	2.408	16.2	21.7

423470 2005 SN_{214} 2 28.6 149°.64 1°.2/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.88	+ 1 38.5	2.482	3.238	12.8	22.7
2 1	11 4.03	+ 1 56.2	2.394	3.249	10.1	22.5
2 11	10 57.38	+ 2 26.8	2.331	3.260	6.9	22.3
2 21	10 49.44	+ 3 7.7	2.295	3.269	3.5	22.1
3 2	10 40.89	+ 3 55.2	2.289	3.278	1.3	22.0
3 12	10 32.54	+ 4 44.4	2.314	3.286	4.2	22.2
3 22	10 25.14	+ 5 30.8	2.368	3.294	7.6	22.4
4 1	10 19.28	+ 6 10.4	2.449	3.301	10.6	22.6

308526 2005 UN_{83} 2 28.6 214°.82 0°.9/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 4.79	+ 9 25.8	3.147	3.929	9.8	22.3
2 1	11 0.63	+ 9 56.5	3.046	3.921	7.5	22.1
2 11	10 55.04	+10 33.9	2.970	3.913	4.9	21.9
2 21	10 48.40	+11 15.2	2.923	3.904	2.1	21.7
3 2	10 41.23	+11 56.7	2.908	3.895	1.4	21.7
3 12	10 34.14	+12 34.6	2.923	3.886	4.2	21.9
3 22	10 27.71	+13 5.9	2.967	3.876	6.9	22.0
4 1	10 22.44	+13 28.3	3.039	3.866	9.4	22.2

406934 2009 HO_{40} 2 28.6 152°.37 0°.5/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.66	+ 5 12.4	1.821	2.613	15.4	21.1
2 1	11 3.81	+ 6 3.0	1.739	2.618	12.0	20.9
2 11	10 57.61	+ 7 10.1	1.679	2.622	7.9	20.7
2 21	10 49.65	+ 8 28.6	1.645	2.626	3.4	20.4
3 2	10 40.82	+ 9 51.0	1.641	2.630	1.4	20.3
3 12	10 32.23	+11 8.8	1.665	2.634	6.0	20.6
3 22	10 24.89	+12 15.1	1.716	2.637	10.3	20.8
4 1	10 19.59	+13 5.3	1.791	2.640	13.9	21.1

470347 2007 RM_{169} 2 28.6 248°.83 0°.1/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.02	+ 4 14.1	2.292	3.074	12.9	22.0
2 1	11 0.62	+ 5 1.7	2.192	3.064	10.1	21.8
2 11	10 55.34	+ 6 4.0	2.115	3.055	6.8	21.6
2 21	10 48.63	+ 7 17.1	2.066	3.046	3.0	21.3
3 2	10 41.16	+ 8 35.5	2.046	3.036	1.0	21.1
3 12	10 33.77	+ 9 52.5	2.056	3.026	4.9	21.4
3 22	10 27.25	+11 2.1	2.095	3.016	8.7	21.6
4 1	10 22.30	+11 59.5	2.159	3.006	11.9	21.8

126645 2002 CA_{178} 2 28.6 146°.49 0°.9/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.50	+ 6 57.6	1.855	2.646	15.2	20.8
2 1	11 5.91	+ 7 42.7	1.777	2.656	11.8	20.6
2 11	10 58.95	+ 8 41.9	1.721	2.665	7.7	20.4
2 21	10 50.22	+ 9 49.8	1.692	2.673	3.3	20.1
3 2	10 40.67	+10 59.1	1.692	2.681	1.7	20.0
3 12	10 31.41	+12 2.4	1.722	2.688	6.1	20.3
3 22	10 23.46	+12 53.8	1.778	2.695	10.2	20.6
4 1	10 17.60	+13 29.7	1.859	2.701	13.8	20.8

419306 2009 WN_{61} 2 28.6 77°.31 1°.7/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.51	+ 0 21.8	1.928	2.703	15.3	21.4
2 1	11 1.99	+ 0 43.5	1.845	2.709	12.2	21.2
2 11	10 56.33	+ 1 23.1	1.783	2.715	8.5	21.0
2 21	10 49.07	+ 2 17.7	1.747	2.721	4.4	20.8
3 2	10 41.03	+ 3 22.1	1.738	2.727	1.7	20.6
3 12	10 33.23	+ 4 29.6	1.759	2.733	5.0	20.8
3 22	10 26.56	+ 5 33.3	1.806	2.740	9.0	21.1
4 1	10 21.76	+ 6 27.6	1.879	2.746	12.6	21.3

10029 Hiramperkins 2 28.6 140°.75 0°.1/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.54	+ 6 6.0	2.284	3.059	13.2	19.5
2 1	11 5.44	+ 6 30.7	2.203	3.072	10.2	19.3
2 11	10 58.37	+ 7 6.4	2.146	3.085	6.8	19.1
2 21	10 49.90	+ 7 49.4	2.117	3.097	3.0	18.9
3 2	10 40.79	+ 8 35.0	2.118	3.108	1.0	18.7
3 12	10 31.94	+ 9 17.9	2.150	3.119	4.9	19.0
3 22	10 24.18	+ 9 54.0	2.210	3.129	8.4	19.3
4 1	10 18.13	+10 20.1	2.296	3.138	11.5	19.5

459676 2013 LO_{28} 2 28.6 322°.83 0°.4/28.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.61	+ 4 42.4	1.392	2.204	18.3	21.7
2 1	11 3.09	+ 4 59.2	1.303	2.192	14.4	21.4
2 11	10 57.65	+ 5 35.6	1.235	2.181	9.8	21.1
2 21	10 49.85	+ 6 27.7	1.190	2.170	4.5	20.8
3 2	10 40.76	+ 7 28.6	1.170	2.160	1.3	20.5
3 12	10 31.79	+ 8 29.1	1.176	2.151	6.9	20.8
3 22	10 24.33	+ 9 20.7	1.206	2.142	12.2	21.1
4 1	10 19.43	+ 9 57.0	1.258	2.133	16.9	21.3

332801 2009 WF_{74} 2 28.6 115°.39 2°.7/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.17	+13 21.9	2.116	2.921	13.1	21.2
2 1	11 3.82	+14 15.8	2.044	2.932	10.0	21.0
2 11	10 57.40	+15 16.9	1.997	2.944	6.5	20.8
2 21	10 49.49	+16 19.3	1.977	2.955	3.4	20.7
3 2	10 40.93	+17 16.4	1.986	2.966	3.5	20.7
3 12	10 32.66	+18 2.1	2.024	2.977	6.6	20.9
3 22	10 25.55	+18 33.0	2.090	2.987	9.9	21.1
4 1	10 20.27	+18 47.4	2.179	2.997	12.9	21.3

54043 2000 GC_{114} 2 28.6 349°.34 4°.0/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.31	− 3 36.8	1.400	2.180	19.8	19.6
2 1	11 3.53	− 3 36.6	1.316	2.179	16.2	19.4
2 11	10 57.86	− 3 10.0	1.252	2.178	11.8	19.1
2 21	10 49.91	− 2 17.6	1.209	2.177	7.2	18.8
3 2	10 40.75	− 1 4.2	1.192	2.176	4.0	18.6
3 12	10 31.81	+ 0 21.0	1.200	2.176	6.6	18.8
3 22	10 24.39	+ 1 47.3	1.233	2.176	11.3	19.0
4 1	10 19.52	+ 3 4.7	1.289	2.176	15.8	19.3

367180 2006 XC_{68} 2 28.6 217°.47 0°.5/28.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 8.43	+ 6 34.3	2.047	2.834	14.1	21.7
2 1	11 4.25	+ 7 7.2	1.951	2.828	11.0	21.5
2 11	10 57.86	+ 7 53.2	1.879	2.821	7.3	21.3
2 21	10 49.78	+ 8 48.3	1.833	2.814	3.2	21.0
3 2	10 40.81	+ 9 46.7	1.817	2.807	1.3	20.8
3 12	10 31.96	+10 41.9	1.830	2.798	5.6	21.1
3 22	10 24.19	+11 28.3	1.870	2.790	9.6	21.3
4 1	10 18.28	+12 2.0	1.936	2.781	13.2	21.5

110335 2001 SN_{291} 2 28.6 78°.53 2°.5/26.0 18

1 22	11 6.80	+ 9 23.8	1.774	2.581	15.1	18.4
2 1	11 3.06	+10 50.9	1.712	2.603	11.5	18.2
2 11	10 57.03	+12 31.0	1.675	2.624	7.4	18.1
2 21	10 49.36	+14 16.0	1.665	2.645	3.4	17.9
3 2	10 40.99	+15 56.4	1.683	2.667	3.4	17.9
3 12	10 33.03	+17 23.1	1.731	2.687	7.1	18.2
3 22	10 26.40	+18 30.4	1.805	2.708	10.9	18.4
4 1	10 21.82	+19 15.8	1.902	2.729	14.2	18.7

309273 2007 RD_{128} 2 28.6 34°.02 0°.5/28.9 16

1 22	11 8.22	+ 2 41.3	0.922	1.755	23.8	20.3
2 1	11 5.29	+ 3 23.9	0.895	1.794	18.3	20.1
2 11	10 58.87	+ 4 32.8	0.885	1.835	12.0	19.9
2 21	10 50.15	+ 5 58.6	0.896	1.877	5.3	19.7
3 2	10 40.81	+ 7 28.2	0.929	1.920	1.4	19.6
3 12	10 32.59	+ 8 48.3	0.987	1.964	7.6	20.1
3 22	10 26.76	+ 9 50.1	1.068	2.008	12.9	20.5
4 1	10 23.99	+10 29.4	1.168	2.053	17.2	20.9

328324 2008 JR_{15} 2 28.6 353°.77 3°.0/ 2.6 18

1 22	11 3.25	− 4 21.0	1.719	2.485	17.2	21.0
2 1	11 0.61	− 3 49.7	1.629	2.484	14.0	20.7
2 11	10 55.63	− 2 53.0	1.560	2.483	10.2	20.5
2 21	10 48.85	− 1 33.0	1.514	2.482	6.0	20.2
3 2	10 41.14	+ 0 4.6	1.496	2.482	3.0	20.1
3 12	10 33.60	+ 1 50.7	1.506	2.481	5.5	20.2
3 22	10 27.26	+ 3 35.2	1.542	2.481	9.8	20.5
4 1	10 22.95	+ 5 9.3	1.603	2.482	13.7	20.7

382410 1996 VF_{18} 2 28.6 117°.88 0°.9/27.5 18

1 22	11 6.34	+ 8 51.0	2.630	3.415	11.4	22.4
2 1	11 1.97	+ 9 26.3	2.553	3.430	8.7	22.2
2 11	10 55.97	+10 9.8	2.501	3.444	5.7	22.0
2 21	10 48.83	+10 57.5	2.477	3.458	2.4	21.8
3 2	10 41.18	+11 45.0	2.484	3.472	1.5	21.8
3 12	10 33.76	+12 27.7	2.521	3.485	4.6	22.0
3 22	10 27.23	+13 2.2	2.587	3.498	7.7	22.2
4 1	10 22.13	+13 26.1	2.679	3.511	10.3	22.4

323741 2005 MK_{30} 2 28.6 20°.88 2°.9/25.7 18

1 22	11 3.99	+ 9 8.6	1.632	2.449	15.8	20.1
2 1	11 1.31	+10 44.7	1.555	2.451	12.1	19.8
2 11	10 56.16	+12 38.1	1.501	2.452	7.8	19.6
2 21	10 49.10	+14 40.3	1.473	2.454	3.7	19.3
3 2	10 41.09	+16 39.7	1.473	2.456	3.9	19.4
3 12	10 33.31	+18 25.0	1.502	2.458	8.1	19.6
3 22	10 26.85	+19 48.5	1.556	2.460	12.3	19.8
4 1	10 22.55	+20 46.0	1.632	2.462	15.9	20.1

136347 2004 CO_{52} 2 28.6 118°.49 1°.1/27.3 18

1 22	11 4.37	+ 8 1.6	2.361	3.153	12.3	20.1
2 1	11 0.73	+ 8 54.7	2.279	3.160	9.4	19.9
2 11	10 55.32	+ 9 58.7	2.221	3.166	6.1	19.7
2 21	10 48.61	+11 8.8	2.191	3.172	2.6	19.5
3 2	10 41.28	+12 19.3	2.191	3.178	1.8	19.4
3 12	10 34.14	+13 24.0	2.220	3.184	5.2	19.7
3 22	10 27.93	+14 18.3	2.278	3.190	8.6	19.9
4 1	10 23.24	+14 59.0	2.361	3.195	11.5	20.1

80123 1999 RB_{170} 2 28.6 217°.39 0°.1/28.7 18

1 22	11 13.57	+ 5 37.8	1.767	2.551	16.1	20.7
2 1	11 8.68	+ 5 55.2	1.669	2.542	12.7	20.5
2 11	11 1.09	+ 6 27.6	1.593	2.533	8.6	20.2
2 21	10 51.33	+ 7 11.2	1.542	2.522	3.9	19.9
3 2	10 40.39	+ 8 0.3	1.521	2.511	1.2	19.7
3 12	10 29.52	+ 8 47.9	1.528	2.499	6.2	20.0
3 22	10 19.97	+ 9 27.6	1.563	2.486	10.9	20.2
4 1	10 12.71	+ 9 55.1	1.621	2.472	15.0	20.4

402093 2003 UF_{280} 2 28.6 141°.75 0°.1/28.7 18

1 22	11 9.48	+ 4 7.2	2.060	2.837	14.4	21.8
2 1	11 4.88	+ 4 48.0	1.980	2.849	11.2	21.7
2 11	10 58.16	+ 5 43.4	1.922	2.861	7.5	21.4
2 21	10 49.88	+ 6 49.3	1.892	2.871	3.3	21.2
3 2	10 40.89	+ 7 59.6	1.891	2.882	1.0	21.0
3 12	10 32.15	+ 9 7.3	1.921	2.891	5.2	21.4
3 22	10 24.58	+10 6.7	1.979	2.900	9.1	21.6
4 1	10 18.86	+10 53.5	2.062	2.908	12.4	21.8

151005 2001 UL_{68} 2 28.6 106°.10 1°.4/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 6.68	+ 1 23.4	1.871	2.649	15.6	20.4
2 1	11 3.00	+ 1 44.2	1.787	2.654	12.3	20.2
2 11	10 57.07	+ 2 22.5	1.724	2.658	8.5	20.0
2 21	10 49.45	+ 3 15.2	1.687	2.663	4.3	19.7
3 2	10 41.01	+ 4 17.1	1.678	2.667	1.5	19.6
3 12	10 32.80	+ 5 21.1	1.697	2.672	5.2	19.8
3 22	10 25.77	+ 6 20.6	1.744	2.676	9.4	20.1
4 1	10 20.69	+ 7 10.1	1.815	2.680	13.0	20.3

33916 2000 LF_{19} 2 28.6 217°.56 2°.3/ 1.8 18 R

1 22	11 9.30	− 1 41.4	2.070	2.823	15.1	19.3
2 1	11 4.99	− 1 20.3	1.964	2.813	12.2	19.0
2 11	10 58.43	− 0 40.2	1.880	2.803	8.7	18.8
2 21	10 50.11	+ 0 17.3	1.821	2.791	4.9	18.5
3 2	10 40.80	+ 1 27.8	1.792	2.779	2.3	18.3
3 12	10 31.52	+ 2 44.8	1.793	2.766	5.1	18.5
3 22	10 23.26	+ 4 1.0	1.822	2.752	9.1	18.7
4 1	10 16.84	+ 5 9.7	1.876	2.737	12.9	18.9

496100 2009 UE_{116} 2 28.6 151°.21 2°.7/ 2.6 16

1 22	11 7.85	− 3 18.2	2.456	3.192	13.4	22.9
2 1	11 3.32	− 3 10.8	2.365	3.201	10.9	22.8
2 11	10 56.99	− 2 47.6	2.297	3.210	7.9	22.6
2 21	10 49.35	− 2 10.1	2.255	3.218	4.8	22.4
3 2	10 41.07	− 1 21.2	2.243	3.226	2.8	22.3
3 12	10 32.97	− 0 25.9	2.261	3.233	4.4	22.4
3 22	10 25.79	+ 0 30.8	2.308	3.239	7.5	22.6
4 1	10 20.15	+ 1 23.8	2.382	3.244	10.4	22.8

470934 2009 HS_{4} 2 28.6 343°.61 4°.0/ 4.2 17

1 22	11 0.17	− 7 57.0	2.001	2.743	15.8	20.6
2 1	10 57.95	− 7 31.0	1.902	2.736	13.2	20.4
2 11	10 53.75	− 6 40.3	1.823	2.730	10.0	20.1
2 21	10 48.02	− 5 25.8	1.768	2.724	6.6	19.9
3 2	10 41.48	− 3 51.6	1.740	2.719	4.1	19.7
3 12	10 35.06	− 2 4.9	1.741	2.714	5.3	19.8
3 22	10 29.61	− 0 14.7	1.770	2.710	8.6	20.0
4 1	10 25.85	+ 1 30.2	1.824	2.707	12.1	20.2

114334 2002 XW_{65} 2 28.6 47°.10 12°.2/21.4 18 R

1 22	11 25.49	+37 47.1	1.498	2.301	17.6	17.5
2 1	11 18.26	+38 45.5	1.456	2.315	15.1	17.4
2 11	11 7.30	+39 26.6	1.435	2.330	13.0	17.3
2 21	10 53.86	+39 38.4	1.437	2.346	12.2	17.3
3 2	10 39.75	+39 12.9	1.463	2.362	12.9	17.4
3 12	10 26.92	+38 9.6	1.513	2.378	14.8	17.5
3 22	10 16.82	+36 34.1	1.584	2.395	17.1	17.7
4 1	10 10.20	+34 35.2	1.675	2.412	19.3	17.9

285874 2001 NK_{9} 2 28.6 107°.41 3°.0/25.4 18

1 22	11 7.86	+11 28.4	1.963	2.768	14.0	20.7
2 1	11 3.73	+12 58.8	1.897	2.786	10.6	20.5
2 11	10 57.44	+14 39.9	1.857	2.805	6.9	20.3
2 21	10 49.58	+16 23.7	1.844	2.822	3.6	20.1
3 2	10 41.03	+18 1.1	1.861	2.840	3.9	20.2
3 12	10 32.80	+19 24.2	1.907	2.856	7.2	20.4
3 22	10 25.81	+20 28.0	1.980	2.873	10.7	20.6
4 1	10 20.74	+21 10.3	2.077	2.888	13.7	20.9

170299 2003 SH_{12} 2 28.6 184°.74 0°.3/28.3 18

1 22	11 8.69	+ 4 58.0	1.997	2.780	14.5	21.2
2 1	11 4.48	+ 5 44.9	1.907	2.781	11.3	21.0
2 11	10 58.04	+ 6 47.4	1.840	2.781	7.5	20.8
2 21	10 49.90	+ 8 0.8	1.799	2.780	3.3	20.5
3 2	10 40.90	+ 9 18.7	1.788	2.778	1.2	20.4
3 12	10 32.07	+10 33.3	1.807	2.776	5.6	20.7
3 22	10 24.36	+11 38.2	1.854	2.773	9.7	20.9
4 1	10 18.55	+12 28.8	1.925	2.770	13.3	21.1

374653 2006 JR_{62} 2 28.6 225°.30 1°.2/27.5 17

1 22	11 8.58	+ 9 49.9	2.038	2.835	13.8	21.3
2 1	11 4.32	+10 11.9	1.951	2.834	10.7	21.1
2 11	10 57.88	+10 43.2	1.887	2.833	7.0	20.9
2 21	10 49.81	+11 19.6	1.850	2.832	3.0	20.6
3 2	10 40.94	+11 55.8	1.842	2.830	1.9	20.5
3 12	10 32.29	+12 26.3	1.863	2.829	5.8	20.8
3 22	10 24.77	+12 47.1	1.911	2.828	9.6	21.0
4 1	10 19.13	+12 55.7	1.984	2.827	13.0	21.2

154564 2003 HR_{28} 2 28.6 210°.58 3°.8/24.3 18

1 22	11 9.69	+18 40.2	2.530	3.331	11.3	20.4
2 1	11 4.85	+19 34.6	2.439	3.324	8.7	20.2
2 11	10 58.08	+20 32.2	2.375	3.316	6.0	20.1
2 21	10 49.87	+21 27.4	2.339	3.308	4.0	19.9
3 2	10 40.93	+22 14.2	2.333	3.299	4.5	19.9
3 12	10 32.12	+22 47.8	2.356	3.290	7.0	20.1
3 22	10 24.27	+23 5.4	2.407	3.280	9.8	20.2
4 1	10 18.05	+23 6.4	2.482	3.269	12.4	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
426673 2013 TH_{14}			2 28.6	89°.43	2°.1/26.6	17
	h m	° ′			°	m
1 22	11 6.81	+10 59.2	1.994	2.799	13.8	21.3
2 1	11 2.96	+11 46.0	1.916	2.805	10.6	21.1
2 11	10 56.97	+12 42.6	1.862	2.810	6.9	20.9
2 21	10 49.40	+13 43.3	1.835	2.815	3.2	20.7
3 2	10 41.08	+14 41.4	1.836	2.821	2.8	20.7
3 12	10 33.03	+15 30.6	1.866	2.826	6.4	20.9
3 22	10 26.14	+16 6.4	1.923	2.832	10.0	21.1
4 1	10 21.11	+16 26.3	2.003	2.837	13.3	21.3
30828 Bethe			2 28.6	40°.95	2°.4/ 1.3	18
1 22	11 7.43	+ 0 29.3	1.288	2.089	20.1	18.5
2 1	11 4.45	+ 0 33.1	1.220	2.098	16.0	18.2
2 11	10 58.45	+ 1 0.5	1.171	2.109	11.2	18.0
2 21	10 50.18	+ 1 48.6	1.144	2.120	5.9	17.7
3 2	10 40.84	+ 2 50.8	1.142	2.131	2.4	17.5
3 12	10 31.94	+ 3 57.5	1.166	2.143	6.6	17.8
3 22	10 24.79	+ 4 59.3	1.215	2.156	11.6	18.1
4 1	10 20.33	+ 5 48.9	1.285	2.169	16.1	18.4
146562 2001 TY_{6}			2 28.6	148°.21	3°.3/25.5	18
1 22	11 8.46	+14 1.1	1.921	2.732	14.0	20.7
2 1	11 4.37	+15 0.2	1.844	2.736	10.7	20.5
2 11	10 57.98	+16 7.6	1.791	2.739	7.1	20.3
2 21	10 49.88	+17 16.3	1.764	2.742	3.8	20.1
3 2	10 40.96	+18 18.6	1.767	2.745	4.1	20.1
3 12	10 32.30	+19 7.7	1.797	2.748	7.5	20.3
3 22	10 24.89	+19 39.5	1.854	2.750	11.1	20.5
4 1	10 19.50	+19 52.3	1.934	2.753	14.3	20.7
396801 2004 PM_{6}			2 28.6	107°.07	1°.0/29.5	18
1 22	11 11.45	+ 1 24.0	1.789	2.561	16.4	21.6
2 1	11 6.58	+ 2 4.0	1.722	2.586	12.9	21.4
2 11	10 59.34	+ 3 2.4	1.677	2.611	8.7	21.2
2 21	10 50.42	+ 4 14.8	1.657	2.634	4.2	21.0
3 2	10 40.81	+ 5 34.1	1.667	2.657	1.2	20.8
3 12	10 31.62	+ 6 52.2	1.706	2.679	5.4	21.1
3 22	10 23.85	+ 8 1.9	1.774	2.700	9.6	21.4
4 1	10 18.22	+ 8 58.2	1.865	2.721	13.2	21.7
8261 Ceciliejulie			2 28.6	205°.51	0°.2/28.4	18 R
1 22	11 5.95	+ 6 35.8	2.788	3.563	11.0	19.0
2 1	11 1.73	+ 7 1.3	2.689	3.559	8.6	18.8
2 11	10 55.90	+ 7 36.0	2.614	3.554	5.7	18.6
2 21	10 48.88	+ 8 17.0	2.568	3.548	2.5	18.4
3 2	10 41.27	+ 9 0.4	2.552	3.542	0.9	18.2
3 12	10 33.76	+ 9 41.9	2.567	3.536	4.2	18.5
3 22	10 27.00	+10 17.9	2.612	3.529	7.3	18.7
4 1	10 21.57	+10 45.5	2.682	3.522	10.1	18.8
496152 2010 TN_{120}			2 28.6	265°.24	6°.4/23.4	17
1 22	11 15.02	+22 37.6	1.815	2.628	14.6	21.7
2 1	11 10.03	+23 36.1	1.719	2.606	11.6	21.5
2 11	11 2.13	+24 36.8	1.646	2.584	8.5	21.2
2 21	10 51.87	+25 30.8	1.599	2.561	6.5	21.1
3 2	10 40.29	+26 8.7	1.580	2.538	7.4	21.1
3 12	10 28.80	+26 23.5	1.589	2.514	10.4	21.2
3 22	10 18.74	+26 12.6	1.622	2.489	14.0	21.3
4 1	10 11.16	+25 37.2	1.676	2.465	17.4	21.5
108022 2001 FO_{147}			2 28.6	287°.64	1°.3/29.6	18
1 22	11 7.39	+ 2 50.7	1.650	2.441	16.8	20.0
2 1	11 4.16	+ 3 0.7	1.547	2.422	13.4	19.7
2 11	10 58.26	+ 3 28.8	1.465	2.404	9.3	19.5
2 21	10 50.18	+ 4 12.7	1.407	2.385	4.6	19.1
3 2	10 40.82	+ 5 7.4	1.376	2.366	1.5	18.9
3 12	10 31.45	+ 6 5.5	1.373	2.347	6.1	19.1
3 22	10 23.30	+ 6 59.2	1.395	2.329	11.1	19.3
4 1	10 17.40	+ 7 42.3	1.440	2.310	15.5	19.6
341747 2007 VJ_{275}			2 28.6	125°.69	0°.1/28.5	17
1 22	11 6.13	+ 6 6.0	2.712	3.487	11.3	22.6
2 1	11 1.79	+ 6 34.5	2.631	3.500	8.8	22.4
2 11	10 55.87	+ 7 12.3	2.574	3.513	5.8	22.2
2 21	10 48.84	+ 7 56.3	2.546	3.526	2.5	22.0
3 2	10 41.31	+ 8 42.4	2.548	3.538	0.9	21.9
3 12	10 33.98	+ 9 26.4	2.581	3.550	4.2	22.2
3 22	10 27.49	+10 4.4	2.643	3.562	7.2	22.4
4 1	10 22.37	+10 33.8	2.731	3.573	9.9	22.6
413057 2001 RN_{108}			2 28.6	120°.68	1°.0/27.7	18
1 22	11 10.47	+ 8 31.5	2.082	2.870	13.8	21.7
2 1	11 5.59	+ 9 3.1	2.008	2.886	10.7	21.5
2 11	10 58.60	+ 9 44.9	1.957	2.901	7.0	21.3
2 21	10 50.09	+10 32.4	1.934	2.915	3.0	21.1
3 2	10 40.93	+11 19.8	1.940	2.929	1.7	21.0
3 12	10 32.09	+12 1.6	1.977	2.943	5.5	21.3
3 22	10 24.45	+12 33.5	2.040	2.955	9.2	21.5
4 1	10 18.68	+12 52.9	2.129	2.968	12.4	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
417031 2005 UB_{98}			2 28.6	36°.20	1°.3/29.8	18
	h m	° ′			°	m
1 22	11 5.01	+ 1 31.8	1.613	2.405	17.0	21.1
2 1	11 2.01	+ 1 56.1	1.538	2.413	13.5	20.9
2 11	10 56.57	+ 2 40.2	1.484	2.422	9.2	20.7
2 21	10 49.30	+ 3 40.5	1.454	2.431	4.6	20.4
3 2	10 41.16	+ 4 50.4	1.451	2.441	1.5	20.2
3 12	10 33.34	+ 6 1.6	1.476	2.451	5.7	20.5
3 22	10 26.88	+ 7 6.2	1.526	2.462	10.2	20.8
4 1	10 22.57	+ 7 58.3	1.600	2.473	14.1	21.1
152113 2004 RG_{207}			2 28.6	124°.72	6°.3/ 7.8	18
1 22	11 5.06	−16 43.4	2.962	3.608	13.0	20.0
2 1	11 1.01	−17 18.4	2.866	3.616	11.4	19.9
2 11	10 55.41	−17 35.8	2.791	3.623	9.6	19.8
2 21	10 48.67	−17 34.3	2.738	3.630	7.8	19.6
3 2	10 41.36	−17 13.9	2.712	3.637	6.5	19.6
3 12	10 34.16	−16 37.0	2.714	3.644	6.4	19.6
3 22	10 27.68	−15 47.5	2.744	3.650	7.5	19.6
4 1	10 22.48	−14 50.4	2.800	3.657	9.2	19.8
61220 2000 OO_{12}			2 28.6	214°.33	0°.1/28.7	18
1 22	11 10.41	+ 4 43.2	2.018	2.796	14.6	21.4
2 1	11 5.90	+ 5 16.0	1.918	2.788	11.5	21.1
2 11	10 59.06	+ 6 3.8	1.840	2.779	7.7	20.9
2 21	10 50.42	+ 7 2.9	1.789	2.769	3.5	20.6
3 2	10 40.79	+ 8 7.8	1.768	2.758	1.1	20.4
3 12	10 31.24	+ 9 11.3	1.776	2.747	5.6	20.7
3 22	10 22.77	+10 7.3	1.813	2.734	9.8	20.9
4 1	10 16.23	+10 50.9	1.874	2.721	13.5	21.1
326363 2000 UW_{81}			2 28.6	114°.52	6°.2/22.7	18
1 22	11 13.89	+25 18.4	2.152	2.959	12.8	21.1
2 1	11 8.24	+26 19.8	2.094	2.976	10.1	20.9
2 11	11 0.32	+27 18.3	2.061	2.991	7.6	20.8
2 21	10 50.83	+28 6.5	2.055	3.007	6.2	20.7
3 2	10 40.72	+28 37.8	2.078	3.022	6.9	20.8
3 12	10 31.07	+28 48.2	2.129	3.036	9.1	21.0
3 22	10 22.83	+28 37.3	2.205	3.050	11.7	21.2
4 1	10 16.67	+28 6.9	2.303	3.064	14.0	21.3
379731 2011 GS_{48}			2 28.6	262°.54	1°.8/ 1.4	17
1 22	11 5.56	+ 0 6.9	2.172	2.937	14.1	21.6
2 1	11 1.99	+ 0 21.0	2.067	2.925	11.3	21.4
2 11	10 56.39	+ 0 51.2	1.984	2.913	8.0	21.2
2 21	10 49.22	+ 1 35.7	1.928	2.900	4.3	20.9
3 2	10 41.19	+ 2 30.7	1.900	2.888	1.9	20.7
3 12	10 33.21	+ 3 30.5	1.901	2.875	4.8	20.9
3 22	10 26.16	+ 4 29.1	1.930	2.863	8.6	21.1
4 1	10 20.78	+ 5 21.0	1.985	2.850	12.1	21.3
159252 2005 YM_{116}			2 28.6	244°.51	4°.0/24.3	18
1 22	11 6.80	+16 14.4	2.140	2.952	12.7	20.4
2 1	11 3.02	+17 26.9	2.051	2.942	9.8	20.1
2 11	10 57.10	+18 46.7	1.986	2.932	6.6	19.9
2 21	10 49.54	+20 6.7	1.949	2.922	4.2	19.8
3 2	10 41.10	+21 19.2	1.941	2.911	4.8	19.8
3 12	10 32.79	+22 17.4	1.962	2.901	7.8	19.9
3 22	10 25.51	+22 56.9	2.009	2.890	11.1	20.1
4 1	10 20.04	+23 16.1	2.078	2.878	14.1	20.3
69650 1998 FT_{99}			2 28.6	335°.54	1°.1/29.3	18
1 22	11 10.72	+ 5 4.1	1.464	2.265	18.1	19.3
2 1	11 6.88	+ 4 51.5	1.379	2.261	14.3	19.1
2 11	11 0.09	+ 4 54.0	1.315	2.257	9.8	18.8
2 21	10 50.97	+ 5 9.0	1.275	2.253	4.7	18.5
3 2	10 40.65	+ 5 31.9	1.260	2.250	1.5	18.3
3 12	10 30.55	+ 5 56.3	1.273	2.248	6.5	18.6
3 22	10 22.03	+ 6 16.2	1.310	2.245	11.5	18.9
4 1	10 16.11	+ 6 26.9	1.370	2.243	15.9	19.1
112891 2002 QG_{47}			2 28.6	226°.57	3°.7/25.4	18
1 22	11 14.13	+14 37.6	1.858	2.661	14.7	21.2
2 1	11 9.13	+15 37.1	1.761	2.647	11.4	20.9
2 11	11 1.42	+16 46.2	1.687	2.633	7.7	20.7
2 21	10 51.54	+17 57.5	1.641	2.617	4.3	20.4
3 2	10 40.45	+19 2.3	1.623	2.601	4.6	20.4
3 12	10 29.42	+19 52.6	1.635	2.583	8.3	20.6
3 22	10 19.68	+20 23.5	1.673	2.564	12.3	20.8
4 1	10 12.21	+20 33.1	1.734	2.545	16.0	21.0
53989 2000 GT_{79}			2 28.6	344°.73	2°.2/27.3	18
1 22	11 7.44	+10 18.2	1.168	2.004	19.5	19.6
2 1	11 5.02	+10 42.5	1.093	1.997	15.2	19.3
2 11	10 59.21	+11 22.4	1.037	1.991	10.1	19.0
2 21	10 50.68	+12 11.0	1.003	1.986	4.5	18.7
3 2	10 40.73	+12 59.0	0.994	1.982	3.2	18.6
3 12	10 31.10	+13 36.2	1.008	1.978	8.7	18.9
3 22	10 23.37	+13 55.9	1.045	1.976	14.3	19.2
4 1	10 18.68	+13 55.0	1.102	1.974	19.0	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
234825 2002 RV_{79}			2 28.6 126°.94	0°.7/29.4 18		
	h m	° ′			°	m
1 22	11 5.87	+ 2 54.6	2.507	3.275	12.3	21.3
2 1	11 1.75	+ 3 23.0	2.424	3.286	9.7	21.1
2 11	10 55.94	+ 4 3.8	2.364	3.298	6.5	21.0
2 21	10 48.91	+ 4 54.0	2.331	3.308	3.1	20.7
3 2	10 41.33	+ 5 49.3	2.329	3.319	0.9	20.6
3 12	10 33.94	+ 6 44.6	2.357	3.329	4.2	20.8
3 22	10 27.45	+ 7 35.2	2.414	3.339	7.5	21.1
4 1	10 22.41	+ 8 17.6	2.497	3.348	10.4	21.3
66718 1999 TU_{104}			2 28.6 58°.63	1°.3/29.8 18		R
1 22	11 7.33	+ 2 41.4	1.902	2.683	15.2	19.6
2 1	11 3.44	+ 2 48.3	1.821	2.690	12.0	19.4
2 11	10 57.35	+ 3 10.2	1.761	2.697	8.3	19.2
2 21	10 49.62	+ 3 44.3	1.727	2.704	4.1	18.9
3 2	10 41.10	+ 4 26.3	1.722	2.711	1.4	18.7
3 12	10 32.85	+ 5 10.2	1.744	2.719	5.1	19.0
3 22	10 25.79	+ 5 50.4	1.794	2.726	9.1	19.3
4 1	10 20.65	+ 6 22.4	1.868	2.734	12.7	19.5
412155 2013 GU_{74}			2 28.6 312°.27	8°.5/ 6.1 18		
1 22	11 2.64	−11 57.4	1.418	2.164	21.1	20.8
2 1	11 0.99	−12 37.1	1.315	2.142	18.4	20.5
2 11	10 56.48	−12 46.8	1.229	2.121	15.0	20.2
2 21	10 49.53	−12 21.7	1.162	2.101	11.4	19.9
3 2	10 41.06	−11 20.4	1.118	2.081	8.8	19.7
3 12	10 32.45	− 9 47.9	1.097	2.061	9.2	19.7
3 22	10 25.14	− 7 54.7	1.100	2.042	12.4	19.8
4 1	10 20.36	− 5 54.8	1.125	2.024	16.6	20.0
2229 Mezzarco			2 28.6 240°.86	5°.5/ 5.1 18		
1 22	11 8.34	−10 41.0	2.517	3.209	14.1	18.3
2 1	11 3.96	−11 8.5	2.399	3.193	12.1	18.1
2 11	10 57.64	−11 18.3	2.301	3.176	9.7	18.0
2 21	10 49.78	−11 9.1	2.228	3.158	7.3	17.8
3 2	10 41.03	−10 41.3	2.183	3.140	5.6	17.6
3 12	10 32.22	− 9 57.6	2.167	3.121	6.1	17.6
3 22	10 24.20	− 9 2.8	2.179	3.102	8.3	17.7
4 1	10 17.68	− 8 2.8	2.217	3.082	11.0	17.9
300706 2007 VM_{100}			2 28.6 54°.54	4°.1/ 3.8 18		
1 22	11 5.25	− 5 54.8	2.253	2.988	14.5	20.1
2 1	11 1.55	− 6 8.6	2.163	2.993	12.0	19.9
2 11	10 55.97	− 6 4.8	2.095	2.998	9.1	19.7
2 21	10 48.98	− 5 43.7	2.051	3.004	6.1	19.5
3 2	10 41.31	− 5 7.6	2.035	3.010	4.1	19.4
3 12	10 33.80	− 4 20.7	2.047	3.016	5.2	19.5
3 22	10 27.24	− 3 28.6	2.088	3.021	7.9	19.7
4 1	10 22.29	− 2 36.8	2.154	3.027	10.9	19.9
385085 2012 UV_{160}			2 28.6 6°.39	1°.9/ 1.5 17		
1 22	11 3.92	+ 0 40.1	1.989	2.766	14.8	20.7
2 1	11 0.78	+ 0 45.6	1.902	2.767	11.8	20.5
2 11	10 55.59	+ 1 7.1	1.836	2.768	8.3	20.3
2 21	10 48.86	+ 1 42.6	1.796	2.769	4.5	20.1
3 2	10 41.36	+ 2 28.1	1.783	2.771	1.9	19.9
3 12	10 34.05	+ 3 17.8	1.799	2.774	4.9	20.1
3 22	10 27.79	+ 4 5.9	1.841	2.777	8.7	20.3
4 1	10 23.29	+ 4 47.2	1.908	2.780	12.2	20.6
374574 2006 BT_{280}			2 28.6 100°.45	0°.3/28.4 18		
1 22	11 9.11	+ 7 0.0	2.010	2.799	14.3	22.0
2 1	11 4.67	+ 7 17.8	1.932	2.809	11.1	21.8
2 11	10 58.08	+ 7 47.0	1.877	2.819	7.3	21.5
2 21	10 49.92	+ 8 23.7	1.848	2.828	3.2	21.3
3 2	10 41.04	+ 9 2.8	1.848	2.838	1.1	21.2
3 12	10 32.46	+ 9 38.7	1.877	2.847	5.3	21.5
3 22	10 25.06	+10 7.1	1.934	2.856	9.2	21.7
4 1	10 19.56	+10 24.9	2.015	2.865	12.5	22.0
190073 2004 SY_{44}			2 28.6 147°.46	2°.4/ 1.9 18		
1 22	11 6.11	− 1 10.9	2.002	2.766	15.2	20.6
2 1	11 2.48	− 1 0.5	1.911	2.767	12.2	20.3
2 11	10 56.73	− 0 32.3	1.842	2.768	8.7	20.1
2 21	10 49.37	+ 0 11.9	1.799	2.769	4.9	19.9
3 2	10 41.21	+ 1 7.9	1.783	2.770	2.4	19.7
3 12	10 33.21	+ 2 9.7	1.796	2.771	5.0	19.9
3 22	10 26.28	+ 3 10.7	1.837	2.772	8.8	20.1
4 1	10 21.17	+ 4 5.1	1.903	2.772	12.3	20.3
226743 2004 RN_{17}			2 28.6 188°.04	2°.7/25.9 18		
1 22	11 8.56	+13 30.6	2.155	2.958	12.9	20.8
2 1	11 4.24	+14 18.4	2.070	2.957	9.9	20.6
2 11	10 57.82	+15 13.7	2.010	2.957	6.5	20.4
2 21	10 49.83	+16 10.7	1.977	2.956	3.4	20.2
3 2	10 41.07	+17 3.1	1.974	2.954	3.4	20.2
3 12	10 32.52	+17 45.0	1.999	2.953	6.6	20.4
3 22	10 25.05	+18 12.6	2.052	2.951	10.0	20.6
4 1	10 19.40	+18 24.2	2.129	2.948	13.1	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
415932 2001 VS_{68}			2 28.6 99°.64	5°.6/ 5.2 18		
	h m	° ′			°	m
1 22	11 10.79	−10 4.9	2.137	2.841	16.0	21.0
2 1	11 5.80	−10 30.9	2.062	2.865	13.5	20.8
2 11	10 58.74	−10 36.1	2.007	2.889	10.6	20.7
2 21	10 50.19	−10 20.2	1.977	2.912	7.6	20.5
3 2	10 40.98	− 9 44.7	1.974	2.935	5.7	20.5
3 12	10 32.09	− 8 54.3	1.999	2.957	6.2	20.5
3 22	10 24.37	− 7 55.2	2.053	2.979	8.5	20.7
4 1	10 18.49	− 6 54.1	2.132	3.000	11.2	20.9
491156 2011 SP_{214}			2 28.6 134°.22	6°.9/ 7.3 18		
1 22	11 8.04	−16 11.8	1.957	2.636	18.0	21.1
2 1	11 4.04	−16 2.9	1.870	2.649	15.6	20.9
2 11	10 57.78	−15 24.5	1.800	2.662	12.6	20.8
2 21	10 49.84	−14 15.7	1.753	2.674	9.6	20.6
3 2	10 41.08	−12 39.0	1.733	2.685	7.3	20.5
3 12	10 32.57	−10 41.4	1.740	2.696	7.2	20.5
3 22	10 25.27	− 8 32.9	1.776	2.706	9.4	20.6
4 1	10 19.94	− 6 24.3	1.838	2.715	12.3	20.8
250098 2002 GR_{104}			2 28.6 232°.57	0°.9/29.6 17		
1 22	11 7.60	+ 0 55.1	2.120	2.886	14.3	21.3
2 1	11 3.69	+ 1 41.2	2.010	2.872	11.4	21.1
2 11	10 57.61	+ 2 46.2	1.924	2.857	7.9	20.9
2 21	10 49.82	+ 4 7.1	1.865	2.841	3.9	20.6
3 2	10 41.06	+ 5 38.1	1.835	2.825	1.1	20.3
3 12	10 32.29	+ 7 11.5	1.835	2.807	5.1	20.6
3 22	10 24.47	+ 8 39.6	1.864	2.790	9.3	20.8
4 1	10 18.41	+ 9 55.9	1.919	2.771	13.0	21.0
297410 2000 RR_{81}			2 28.6 202°.41	1°.7/ 1.9 17		
1 22	11 4.34	− 1 8.9	3.151	3.890	10.6	22.1
2 1	11 0.33	− 0 50.7	3.044	3.885	8.5	22.0
2 11	10 54.92	− 0 20.5	2.961	3.880	6.1	21.8
2 21	10 48.48	+ 0 20.0	2.906	3.874	3.4	21.6
3 2	10 41.51	+ 1 8.2	2.881	3.868	1.7	21.4
3 12	10 34.60	+ 2 0.4	2.888	3.861	3.5	21.6
3 22	10 28.33	+ 2 52.5	2.925	3.853	6.2	21.7
4 1	10 23.19	+ 3 40.9	2.989	3.845	8.7	21.9
329269 1999 SQ_{14}			2 28.6 170°.48	4°.9/ 5.9 17		
1 22	11 7.51	−12 21.9	2.956	3.628	12.6	21.7
2 1	11 2.86	−12 34.9	2.854	3.633	10.8	21.6
2 11	10 56.64	−12 31.0	2.774	3.637	8.6	21.4
2 21	10 49.25	−12 9.8	2.718	3.640	6.5	21.3
3 2	10 41.27	−11 32.4	2.692	3.643	5.1	21.2
3 12	10 33.39	−10 41.8	2.695	3.645	5.3	21.2
3 22	10 26.25	− 9 42.4	2.727	3.647	7.0	21.3
4 1	10 20.41	− 8 39.4	2.787	3.647	9.1	21.4
496373 2013 SY_{16}			2 28.6 134°.38	0°.2/28.8 17		
1 22	11 8.14	+ 5 26.8	2.139	2.921	13.7	22.3
2 1	11 3.84	+ 5 48.6	2.055	2.928	10.7	22.1
2 11	10 57.50	+ 6 22.6	1.995	2.934	7.2	21.9
2 21	10 49.68	+ 7 5.3	1.961	2.941	3.2	21.6
3 2	10 41.14	+ 7 51.8	1.956	2.947	0.9	21.5
3 12	10 32.84	+ 8 36.7	1.981	2.953	5.0	21.8
3 22	10 25.61	+ 9 15.0	2.034	2.958	8.7	22.0
4 1	10 20.14	+ 9 43.3	2.112	2.963	12.0	22.2
259148 2002 XP_{89}			2 28.6 20°.14	3°.4/25.3 18		
1 22	11 3.43	+10 26.6	1.533	2.358	16.2	20.3
2 1	11 1.06	+12 2.6	1.461	2.361	12.4	20.0
2 11	10 56.10	+13 54.9	1.412	2.365	8.0	19.8
2 21	10 49.18	+15 54.1	1.389	2.369	4.1	19.6
3 2	10 41.30	+17 48.2	1.393	2.374	4.5	19.6
3 12	10 33.70	+19 25.9	1.424	2.378	8.6	19.8
3 22	10 27.50	+20 39.8	1.480	2.384	12.8	20.1
4 1	10 23.57	+21 26.7	1.558	2.390	16.5	20.3
134851 2000 LG_{28}			2 28.6 117°.02	5°.5/ 6.0 18		
1 22	11 8.97	−12 31.4	2.875	3.544	13.0	19.3
2 1	11 3.97	−13 11.5	2.786	3.560	11.1	19.2
2 11	10 57.35	−13 35.6	2.718	3.575	9.0	19.0
2 21	10 49.56	−13 42.6	2.676	3.590	7.0	18.9
3 2	10 41.20	−13 32.8	2.661	3.605	5.6	18.9
3 12	10 32.99	−13 8.7	2.676	3.619	5.8	18.9
3 22	10 25.59	−12 34.0	2.720	3.633	7.3	19.0
4 1	10 19.57	−11 53.3	2.790	3.646	9.3	19.2
243246 2007 VM_{233}			2 28.6 8°.47	5°.5/22.9 17		
1 22	11 7.49	+22 21.4	2.150	2.967	12.4	20.4
2 1	11 3.49	+23 24.5	2.077	2.968	9.7	20.2
2 11	10 57.34	+24 28.3	2.029	2.968	7.1	20.0
2 21	10 49.63	+25 25.7	2.008	2.969	5.5	19.9
3 2	10 41.19	+26 9.6	2.015	2.970	6.3	20.0
3 12	10 33.02	+26 35.1	2.050	2.970	8.7	20.1
3 22	10 26.02	+26 40.2	2.110	2.972	11.5	20.3
4 1	10 20.89	+26 25.3	2.191	2.973	14.0	20.5

23977 1999 GW_6 2 28.6 195°.69 8°.5/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 5.67	−22 32.1	2.341	2.962	16.7	18.2
2 1	11 2.07	−22 45.2	2.237	2.960	14.9	18.0
2 11	10 56.45	−22 31.2	2.149	2.958	12.9	17.9
2 21	10 49.29	−21 47.5	2.082	2.955	10.7	17.7
3 2	10 41.32	−20 33.8	2.040	2.952	9.0	17.6
3 12	10 33.44	−18 53.7	2.024	2.949	8.5	17.6
3 22	10 26.52	−16 54.5	2.036	2.945	9.5	17.6
4 1	10 21.28	−14 45.3	2.074	2.941	11.6	17.7

456669 2007 RJ_{78} 2 28.6 103°.54 0°.6/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.63	+ 2 54.1	1.757	2.537	16.3	22.6
2 1	11 6.06	+ 3 30.2	1.688	2.558	12.8	22.4
2 11	10 59.10	+ 4 23.6	1.641	2.579	8.6	22.2
2 21	10 50.42	+ 5 29.7	1.621	2.599	4.0	22.0
3 2	10 41.00	+ 6 41.6	1.628	2.619	1.1	21.8
3 12	10 32.00	+ 7 51.5	1.665	2.638	5.6	22.2
3 22	10 24.40	+ 8 52.5	1.729	2.656	9.8	22.4
4 1	10 18.94	+ 9 40.0	1.818	2.674	13.4	22.7

23499 1991 VY_{12} 2 28.6 116°.08 2°.0/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.01	− 0 33.8	2.200	2.956	14.2	18.8
2 1	11 3.64	− 0 20.9	2.119	2.971	11.3	18.6
2 11	10 57.33	+ 0 7.7	2.061	2.985	8.0	18.4
2 21	10 49.61	+ 0 49.7	2.028	2.999	4.4	18.2
3 2	10 41.26	+ 1 41.1	2.025	3.012	2.0	18.1
3 12	10 33.15	+ 2 36.4	2.052	3.026	4.6	18.3
3 22	10 26.09	+ 3 30.1	2.107	3.038	8.0	18.5
4 1	10 20.73	+ 4 17.4	2.188	3.050	11.2	18.7

52288 1990 QU_8 2 28.6 97°.12 0°.7/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.06	+ 7 57.4	2.457	3.241	12.1	19.6
2 1	11 2.66	+ 8 28.7	2.384	3.259	9.3	19.5
2 11	10 56.55	+ 9 8.9	2.335	3.278	6.1	19.3
2 21	10 49.23	+ 9 54.2	2.315	3.296	2.6	19.1
3 2	10 41.39	+10 40.1	2.324	3.313	1.3	19.0
3 12	10 33.83	+11 21.6	2.364	3.331	4.7	19.3
3 22	10 27.22	+11 55.2	2.432	3.348	7.9	19.5
4 1	10 22.14	+12 18.5	2.526	3.365	10.7	19.7

1401 Lavonne 2 28.6 168°.48 4°.0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.45	− 4 9.3	1.865	2.608	16.8	16.6
2 1	11 7.59	− 4 21.9	1.775	2.613	13.8	16.4
2 11	11 0.25	− 4 14.7	1.705	2.617	10.2	16.2
2 21	10 51.02	− 3 48.0	1.660	2.621	6.5	15.9
3 2	10 40.81	− 3 4.7	1.643	2.623	4.0	15.8
3 12	10 30.78	− 2 10.3	1.654	2.625	5.8	15.9
3 22	10 22.02	− 1 12.0	1.693	2.626	9.5	16.1
4 1	10 15.39	− 0 16.5	1.758	2.626	13.2	16.3

385046 2012 UX_{14} 2 28.6 322°.51 5°.2/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.04	+21 56.0	2.106	2.921	12.7	20.5
2 1	11 4.77	+22 45.5	2.026	2.916	10.0	20.3
2 11	10 58.25	+23 35.7	1.971	2.911	7.2	20.1
2 21	10 50.08	+24 19.8	1.943	2.907	5.3	20.0
3 2	10 41.12	+24 51.2	1.943	2.902	6.0	20.0
3 12	10 32.42	+25 4.8	1.970	2.898	8.5	20.2
3 22	10 24.92	+24 59.0	2.023	2.894	11.5	20.3
4 1	10 19.37	+24 34.1	2.098	2.890	14.2	20.5

197635 2004 KS_{11} 2 28.6 217°.63 4°.2/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.11	+14 37.0	1.733	2.546	15.2	21.4
2 1	11 6.91	+15 52.0	1.647	2.539	11.7	21.1
2 11	11 0.01	+17 17.6	1.584	2.531	7.9	20.9
2 21	10 50.99	+18 45.6	1.547	2.523	4.6	20.7
3 2	10 40.83	+20 6.0	1.539	2.514	5.2	20.7
3 12	10 30.81	+21 9.7	1.558	2.504	8.8	20.9
3 22	10 22.16	+21 51.3	1.603	2.494	12.8	21.1
4 1	10 15.84	+22 9.1	1.670	2.483	16.4	21.3

26644 2000 JJ_{61} 2 28.6 62°.15 9°.2/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.73	+28 34.3	1.595	2.421	15.6	17.7
2 1	11 8.22	+30 8.3	1.550	2.437	12.7	17.5
2 11	11 0.76	+31 36.2	1.528	2.453	10.2	17.4
2 21	10 51.20	+32 46.5	1.530	2.469	9.2	17.4
3 2	10 40.82	+33 29.8	1.558	2.485	10.2	17.5
3 12	10 31.10	+33 41.3	1.610	2.501	12.6	17.7
3 22	10 23.26	+33 21.9	1.684	2.517	15.3	17.9
4 1	10 18.09	+32 35.7	1.777	2.534	17.7	18.1

377165 2003 SK_{339} 2 28.6 177°.95 4°.2/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.48	+18 28.6	2.172	2.984	12.6	21.4
2 1	11 4.21	+19 25.1	2.094	2.984	9.7	21.2
2 11	10 57.83	+20 25.2	2.041	2.985	6.7	21.0
2 21	10 49.88	+21 22.5	2.014	2.985	4.4	20.9
3 2	10 41.20	+22 10.1	2.017	2.985	5.0	20.9
3 12	10 32.75	+22 42.7	2.048	2.985	7.7	21.1
3 22	10 25.43	+22 57.5	2.106	2.985	10.7	21.3
4 1	10 19.94	+22 54.0	2.186	2.984	13.5	21.5

495974 2007 TH_{40} 2 28.6 155°.30 2°.7/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 4.91	− 5 38.4	3.043	3.759	11.4	22.1
2 1	11 0.78	− 5 21.5	2.947	3.768	9.4	21.9
2 11	10 55.23	− 4 50.1	2.874	3.776	7.0	21.8
2 21	10 48.65	− 4 5.5	2.828	3.784	4.5	21.6
3 2	10 41.58	− 3 10.3	2.812	3.791	2.8	21.5
3 12	10 34.65	− 2 8.5	2.827	3.797	3.8	21.6
3 22	10 28.41	− 1 4.5	2.873	3.803	6.2	21.8
4 1	10 23.36	− 0 2.9	2.946	3.808	8.6	21.9

91332 1999 HZ_9 2 28.6 293°.66 3°.8/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.33	− 3 19.7	1.519	2.293	18.7	19.2
2 1	11 3.48	− 3 19.7	1.426	2.286	15.3	18.9
2 11	10 57.90	− 2 55.2	1.353	2.278	11.3	18.6
2 21	10 50.11	− 2 6.7	1.303	2.270	6.8	18.4
3 2	10 41.10	− 0 58.3	1.278	2.263	3.8	18.2
3 12	10 32.18	+ 0 21.8	1.280	2.256	6.3	18.3
3 22	10 24.62	+ 1 43.9	1.307	2.249	10.9	18.5
4 1	10 19.45	+ 2 58.7	1.357	2.242	15.3	18.8

162930 2001 OA_{82} 2 28.6 98°.60 2°.5/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.05	+12 43.1	2.509	3.307	11.5	19.7
2 1	11 1.89	+13 53.4	2.444	3.329	8.7	19.5
2 11	10 56.05	+15 10.4	2.404	3.350	5.7	19.4
2 21	10 49.02	+16 28.3	2.394	3.371	3.0	19.2
3 2	10 41.49	+17 41.2	2.414	3.392	3.1	19.3
3 12	10 34.22	+18 43.4	2.464	3.412	5.8	19.5
3 22	10 27.89	+19 31.6	2.542	3.432	8.7	19.7
4 1	10 23.06	+20 4.0	2.645	3.452	11.2	19.9

214179 2005 CQ_{69} 2 28.7 1°.49 1°.5/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.66	+ 8 51.7	1.267	2.095	18.8	20.9
2 1	11 4.10	+ 9 16.0	1.194	2.094	14.6	20.6
2 11	10 58.43	+ 9 56.3	1.141	2.093	9.6	20.3
2 21	10 50.35	+10 46.5	1.110	2.093	4.2	20.0
3 2	10 41.05	+11 37.9	1.105	2.094	2.5	19.9
3 12	10 32.11	+12 21.2	1.124	2.095	7.9	20.2
3 22	10 24.91	+12 49.5	1.167	2.098	13.0	20.5
4 1	10 20.48	+12 59.3	1.231	2.102	17.5	20.8

368014 2012 FX_{66} 2 28.7 176°.87 2°.1/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.41	+11 15.3	1.920	2.723	14.3	22.1
2 1	11 5.16	+11 55.2	1.837	2.724	11.0	21.9
2 11	10 58.59	+12 44.9	1.778	2.725	7.2	21.7
2 21	10 50.27	+13 38.9	1.744	2.725	3.3	21.4
3 2	10 41.09	+14 30.3	1.740	2.725	2.8	21.4
3 12	10 32.15	+15 12.8	1.764	2.725	6.6	21.6
3 22	10 24.44	+15 41.8	1.815	2.725	10.5	21.8
4 1	10 18.74	+15 55.0	1.890	2.724	13.9	22.1

355361 2007 TR_{253} 2 28.7 262°.29 3°.5/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.30	+14 19.6	1.714	2.525	15.4	21.5
2 1	11 8.00	+15 3.0	1.616	2.506	12.0	21.3
2 11	11 0.86	+15 56.0	1.539	2.487	8.1	21.0
2 21	10 51.44	+16 51.6	1.489	2.467	4.3	20.7
3 2	10 40.70	+17 41.5	1.467	2.447	4.4	20.7
3 12	10 30.00	+18 17.8	1.472	2.427	8.4	20.8
3 22	10 20.63	+18 35.6	1.503	2.406	12.7	21.0
4 1	10 13.65	+18 33.1	1.556	2.384	16.7	21.2

416874 2005 PW_{19} 2 28.7 197°.86 1°.1/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.78	+ 3 53.0	1.949	2.726	15.1	21.4
2 1	11 6.20	+ 3 51.4	1.857	2.725	11.9	21.1
2 11	10 59.29	+ 4 3.1	1.788	2.723	8.2	20.9
2 21	10 50.59	+ 4 25.6	1.744	2.721	4.0	20.6
3 2	10 40.99	+ 4 55.0	1.729	2.719	1.3	20.4
3 12	10 31.57	+ 5 26.2	1.743	2.717	5.3	20.7
3 22	10 23.32	+ 5 54.1	1.785	2.714	9.4	20.9
4 1	10 17.07	+ 6 14.6	1.851	2.711	13.0	21.2

456782 2007 TV_{171} 2 28.7 124°.84 1°.7/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.11	+ 9 49.9	1.930	2.724	14.6	22.4
2 1	11 7.06	+10 35.9	1.860	2.741	11.2	22.2
2 11	10 59.71	+11 32.4	1.813	2.758	7.3	22.0
2 21	10 50.71	+12 33.6	1.793	2.774	3.2	21.8
3 2	10 40.99	+13 32.5	1.803	2.789	2.4	21.8
3 12	10 31.64	+14 22.6	1.842	2.804	6.3	22.0
3 22	10 23.63	+14 59.4	1.908	2.817	10.1	22.3
4 1	10 17.67	+15 20.5	1.999	2.831	13.4	22.5

208494 2001 VE_{91} 2 28.7 183°.79 3°.7/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.10	+19 39.5	3.030	3.832	9.6	21.2
2 1	11 1.81	+20 45.0	2.948	3.832	7.4	21.0
2 11	10 55.98	+21 52.7	2.892	3.832	5.2	20.9
2 21	10 49.02	+22 57.4	2.866	3.831	3.7	20.8
3 2	10 41.50	+23 54.2	2.871	3.830	4.3	20.8
3 12	10 34.12	+24 38.9	2.905	3.828	6.3	20.9
3 22	10 27.50	+25 9.0	2.967	3.826	8.6	21.1
4 1	10 22.16	+25 23.7	3.053	3.823	10.7	21.2

384216 2009 CT_{49} 2 28.7 296°.01 1°.7/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 3.54	+ 9 39.9	2.278	3.079	12.4	20.6
2 1	11 0.33	+10 37.8	2.187	3.073	9.5	20.4
2 11	10 55.25	+11 46.5	2.121	3.068	6.2	20.1
2 21	10 48.77	+13 1.1	2.082	3.063	2.8	19.9
3 2	10 41.57	+14 15.1	2.073	3.058	2.4	19.9
3 12	10 34.49	+15 22.1	2.093	3.053	5.8	20.1
3 22	10 28.32	+16 16.9	2.140	3.048	9.2	20.3
4 1	10 23.72	+16 56.4	2.212	3.043	12.3	20.5

121175 1999 KU_{15} 2 28.7 298°.21 4°.7/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.18	+16 0.1	1.466	2.293	16.7	19.3
2 1	11 6.65	+16 54.2	1.385	2.284	13.0	19.1
2 11	11 0.07	+17 57.2	1.325	2.275	8.8	18.8
2 21	10 51.09	+19 0.4	1.290	2.266	5.2	18.6
3 2	10 40.85	+19 53.9	1.281	2.258	5.7	18.6
3 12	10 30.85	+20 28.9	1.298	2.249	9.6	18.8
3 22	10 22.47	+20 40.8	1.339	2.241	14.0	19.0
4 1	10 16.77	+20 28.9	1.400	2.233	18.0	19.2

221459 2006 BD_{66} 2 28.7 50°.16 1°.6/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.15	+ 9 52.4	1.906	2.710	14.3	20.3
2 1	11 3.41	+10 31.5	1.825	2.712	11.1	20.1
2 11	10 57.42	+11 21.6	1.767	2.714	7.2	19.8
2 21	10 49.76	+12 17.3	1.735	2.716	3.2	19.6
3 2	10 41.28	+13 12.1	1.731	2.718	2.4	19.5
3 12	10 33.04	+13 59.3	1.757	2.721	6.3	19.8
3 22	10 26.00	+14 34.0	1.808	2.723	10.2	20.0
4 1	10 20.91	+14 53.6	1.884	2.726	13.6	20.2

185249 2006 UE_{62} 2 28.7 87°.51 2°.8/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.39	+13 4.1	1.801	2.606	15.0	20.8
2 1	11 7.33	+13 51.0	1.743	2.631	11.5	20.6
2 11	10 59.88	+14 45.5	1.708	2.655	7.5	20.4
2 21	10 50.77	+15 40.9	1.699	2.678	3.7	20.2
3 2	10 41.01	+16 29.8	1.719	2.701	3.5	20.3
3 12	10 31.76	+17 6.3	1.768	2.724	7.1	20.5
3 22	10 23.99	+17 26.9	1.843	2.747	10.7	20.8
4 1	10 18.41	+17 30.8	1.942	2.769	13.9	21.0

406935 2009 HV_{56} 2 28.7 226°.62 3°.5/25.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.82	+14 9.6	1.861	2.671	14.4	21.5
2 1	11 5.68	+15 7.0	1.774	2.665	11.1	21.3
2 11	10 59.07	+16 13.6	1.710	2.658	7.4	21.0
2 21	10 50.55	+17 22.3	1.673	2.650	4.0	20.8
3 2	10 41.04	+18 24.9	1.664	2.643	4.3	20.8
3 12	10 31.69	+19 14.1	1.684	2.635	7.8	21.0
3 22	10 23.59	+19 45.2	1.729	2.626	11.7	21.2
4 1	10 17.62	+19 56.3	1.797	2.617	15.1	21.4

300134 2006 VJ_{52} 2 28.7 196°.32 5°.9/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.12	−15 16.9	2.945	3.602	12.9	21.3
2 1	11 1.15	−15 41.8	2.839	3.600	11.2	21.1
2 11	10 55.61	−15 49.2	2.753	3.597	9.3	21.0
2 21	10 48.89	−15 37.9	2.691	3.594	7.4	20.9
3 2	10 41.56	−15 8.2	2.655	3.591	6.1	20.8
3 12	10 34.28	−14 22.8	2.649	3.588	6.0	20.8
3 22	10 27.69	−13 25.6	2.670	3.584	7.4	20.8
4 1	10 22.37	−12 22.0	2.718	3.580	9.3	21.0

322836 2001 TN_{63} 2 28.7 73°.45 6°.8/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.82	+24 20.2	1.722	2.539	15.0	20.3
2 1	11 9.47	+25 18.9	1.669	2.557	11.8	20.2
2 11	11 1.42	+26 15.1	1.639	2.574	8.8	20.0
2 21	10 51.47	+26 59.8	1.634	2.592	6.9	19.9
3 2	10 40.81	+27 25.2	1.657	2.609	7.6	20.0
3 12	10 30.79	+27 26.9	1.707	2.627	10.2	20.2
3 22	10 22.51	+27 4.9	1.781	2.644	13.2	20.4
4 1	10 16.72	+26 21.9	1.876	2.661	15.9	20.7

237434 1999 PH_{3} 2 28.7 159°.34 1°.9/ 1.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.27	− 0 50.9	2.766	3.506	12.0	21.7
2 1	11 3.50	− 0 42.3	2.672	3.514	9.6	21.5
2 11	10 57.10	− 0 21.0	2.602	3.521	6.8	21.3
2 21	10 49.52	+ 0 11.3	2.560	3.528	3.9	21.1
3 2	10 41.38	+ 0 51.8	2.548	3.534	1.9	21.0
3 12	10 33.39	+ 1 36.3	2.568	3.540	3.9	21.2
3 22	10 26.21	+ 2 20.8	2.617	3.545	6.8	21.3
4 1	10 20.40	+ 3 1.4	2.693	3.549	9.6	21.5

519939 2013 RO_{106} 2 28.7 192°.57 0°.4/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.26	+ 4 23.4	2.454	3.223	12.5	23.3
2 1	11 3.78	+ 4 46.4	2.357	3.222	9.8	23.1
2 11	10 57.45	+ 5 21.2	2.284	3.219	6.6	22.9
2 21	10 49.73	+ 6 4.8	2.238	3.216	3.1	22.7
3 2	10 41.31	+ 6 53.2	2.222	3.213	0.8	22.5
3 12	10 33.01	+ 7 41.2	2.237	3.209	4.5	22.8
3 22	10 25.60	+ 8 24.3	2.281	3.204	8.0	23.0
4 1	10 19.72	+ 8 58.9	2.351	3.199	11.1	23.2

241364 2008 AR_{2} 2 28.7 136°.37 3°.3/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 6.31	+17 35.6	2.752	3.555	10.4	20.9
2 1	11 2.04	+18 35.6	2.679	3.565	8.0	20.8
2 11	10 56.15	+19 38.8	2.632	3.575	5.4	20.6
2 21	10 49.10	+20 39.8	2.614	3.584	3.5	20.5
3 2	10 41.52	+21 33.4	2.626	3.593	4.0	20.5
3 12	10 34.14	+22 15.4	2.667	3.602	6.2	20.7
3 22	10 27.63	+22 43.0	2.737	3.611	8.7	20.9
4 1	10 22.53	+22 55.5	2.830	3.619	11.0	21.0

334494 2002 QS_{71} 2 28.7 172°.06 1°.0/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.62	+ 6 54.5	2.311	3.100	12.6	21.5
2 1	11 1.09	+ 7 53.6	2.222	3.101	9.7	21.3
2 11	10 55.71	+ 9 5.3	2.158	3.102	6.4	21.1
2 21	10 48.97	+10 24.8	2.122	3.103	2.7	20.9
3 2	10 41.54	+11 45.9	2.116	3.104	1.7	20.8
3 12	10 34.27	+13 1.9	2.140	3.105	5.3	21.0
3 22	10 27.90	+14 7.3	2.192	3.105	8.8	21.3
4 1	10 23.09	+14 58.4	2.269	3.105	11.8	21.5

374096 2004 RL_{239} 2 28.7 313°.86 0°.8/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.45	+ 3 34.0	1.697	2.493	16.2	21.2
2 1	11 2.53	+ 3 49.2	1.601	2.479	12.9	21.0
2 11	10 57.12	+ 4 21.7	1.526	2.466	8.8	20.7
2 21	10 49.75	+ 5 8.5	1.475	2.454	4.2	20.4
3 2	10 41.28	+ 6 4.3	1.451	2.442	1.2	20.1
3 12	10 32.89	+ 7 1.5	1.455	2.430	5.9	20.4
3 22	10 25.69	+ 7 53.2	1.484	2.418	10.5	20.6
4 1	10 20.62	+ 8 33.4	1.537	2.407	14.7	20.9

376507 2012 KT_{48} 2 28.7 150°.73 3°.7/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.49	+15 55.4	2.013	2.824	13.4	21.0
2 1	11 4.38	+16 53.7	1.936	2.827	10.3	20.7
2 11	10 58.03	+17 58.2	1.883	2.829	6.9	20.5
2 21	10 50.03	+19 2.1	1.857	2.832	4.1	20.4
3 2	10 41.25	+19 58.0	1.859	2.834	4.5	20.4
3 12	10 32.72	+20 39.8	1.890	2.836	7.6	20.6
3 22	10 25.39	+21 3.9	1.948	2.837	10.9	20.8
4 1	10 19.99	+21 9.4	2.028	2.839	14.0	21.0

447198 2005 SN_{213} 2 28.7 82°.95 1°.9/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.65	+10 9.3	1.376	2.190	18.3	21.5
2 1	11 9.11	+10 39.0	1.313	2.205	14.1	21.3
2 11	11 1.49	+11 21.6	1.271	2.220	9.3	21.1
2 21	10 51.62	+12 10.3	1.253	2.234	4.1	20.8
3 2	10 40.78	+12 56.5	1.261	2.249	2.8	20.8
3 12	10 30.52	+13 32.3	1.297	2.263	7.7	21.1
3 22	10 22.12	+13 52.6	1.357	2.278	12.4	21.4
4 1	10 16.50	+13 55.4	1.439	2.292	16.5	21.7

140096 2001 SQ_{129} 2 28.7 70°.17 0°.9/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.70	+ 3 47.3	1.703	2.490	16.5	20.5
2 1	11 5.45	+ 3 59.7	1.634	2.508	12.9	20.3
2 11	10 58.78	+ 4 27.8	1.587	2.526	8.7	20.1
2 21	10 50.35	+ 5 7.8	1.565	2.543	4.1	19.9
3 2	10 41.17	+ 5 54.3	1.571	2.561	1.2	19.7
3 12	10 32.39	+ 6 40.3	1.605	2.579	5.5	20.0
3 22	10 25.04	+ 7 20.2	1.666	2.597	9.8	20.3
4 1	10 19.85	+ 7 49.5	1.750	2.614	13.5	20.6

497593 2006 JU_{69} 2 28.7 238°.06 2°.1/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.52	− 0 40.5	2.155	2.918	14.3	21.8
2 1	11 1.94	− 0 28.7	2.060	2.916	11.5	21.6
2 11	10 56.38	− 0 0.4	1.987	2.913	8.1	21.4
2 21	10 49.31	+ 0 42.3	1.940	2.911	4.5	21.2
3 2	10 41.47	+ 1 35.8	1.922	2.909	2.1	21.0
3 12	10 33.75	+ 2 34.4	1.932	2.906	4.7	21.2
3 22	10 27.01	+ 3 32.1	1.970	2.904	8.3	21.4
4 1	10 21.93	+ 4 23.6	2.034	2.901	11.7	21.6

85827 1998 XA_{47} 2 28.7 51°.36 3°.1/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.84	+ 0 17.7	1.254	2.051	20.8	18.1
2 1	11 7.15	+ 0 1.1	1.192	2.066	16.6	17.8
2 11	11 0.32	+ 0 7.0	1.148	2.082	11.7	17.6
2 21	10 51.15	+ 0 33.7	1.125	2.099	6.5	17.4
3 2	10 40.93	+ 1 15.6	1.128	2.116	3.1	17.2
3 12	10 31.26	+ 2 4.6	1.156	2.133	6.7	17.5
3 22	10 23.49	+ 2 51.8	1.209	2.150	11.6	17.8
4 1	10 18.54	+ 3 30.4	1.283	2.168	16.0	18.1

500571 2012 UX_{70} 2 28.7 193°.84 1°.6/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.09	− 0 32.2	2.785	3.533	11.7	22.7
2 1	11 1.13	− 0 10.4	2.683	3.530	9.4	22.5
2 11	10 55.60	+ 0 24.7	2.605	3.528	6.6	22.3
2 21	10 48.90	+ 1 11.1	2.555	3.525	3.6	22.1
3 2	10 41.61	+ 2 5.6	2.534	3.522	1.6	22.0
3 12	10 34.41	+ 3 3.7	2.544	3.518	3.8	22.1
3 22	10 27.94	+ 4 0.7	2.584	3.513	6.8	22.3
4 1	10 22.76	+ 4 52.6	2.651	3.509	9.6	22.5

21290 Vydra 2 28.7 178°.99 8°.0/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 12.36	+28 56.2	2.000	2.814	13.4	19.5
2 1	11 7.59	+30 18.4	1.935	2.815	10.9	19.4
2 11	11 0.26	+31 36.4	1.895	2.815	8.8	19.2
2 21	10 51.04	+32 40.8	1.880	2.815	8.0	19.2
3 2	10 40.96	+33 23.4	1.892	2.815	9.0	19.2
3 12	10 31.24	+33 39.3	1.931	2.815	11.1	19.4
3 22	10 22.98	+33 28.2	1.992	2.815	13.6	19.5
4 1	10 16.97	+32 52.4	2.074	2.814	16.0	19.7

293701 2007 PK_{43} 2 28.7 241°.18 0°.3/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.18	+ 4 46.8	1.876	2.658	15.4	22.3
2 1	11 6.82	+ 5 6.4	1.771	2.642	12.2	22.1
2 11	10 59.93	+ 5 41.3	1.688	2.626	8.3	21.8
2 21	10 51.01	+ 6 28.2	1.630	2.610	3.8	21.5
3 2	10 40.93	+ 7 21.9	1.602	2.592	1.1	21.3
3 12	10 30.84	+ 8 15.5	1.602	2.574	5.8	21.5
3 22	10 21.88	+ 9 2.5	1.630	2.555	10.4	21.8
4 1	10 15.00	+ 9 37.9	1.682	2.536	14.4	22.0

433252 2012 WR_6 2 28.7 219°.87 3°.4/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.70	− 5 18.2	2.525	3.256	13.2	21.5
2 1	11 1.03	− 5 20.4	2.424	3.254	10.9	21.4
2 11	10 55.63	− 5 6.6	2.346	3.251	8.2	21.2
2 21	10 48.95	− 4 37.3	2.292	3.248	5.3	21.0
3 2	10 41.60	− 3 54.7	2.267	3.245	3.5	20.9
3 12	10 34.34	− 3 3.1	2.272	3.242	4.6	20.9
3 22	10 27.88	− 2 7.3	2.305	3.238	7.3	21.1
4 1	10 22.84	− 1 12.7	2.365	3.235	10.2	21.3

432481 2010 DE_{70} 2 28.7 181°.20 6°.8/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.06	+31 20.8	2.853	3.657	10.1	20.9
2 1	11 2.88	+33 2.8	2.790	3.658	8.4	20.8
2 11	10 56.87	+34 40.4	2.754	3.658	7.1	20.7
2 21	10 49.49	+36 6.7	2.746	3.658	6.9	20.7
3 2	10 41.43	+37 15.3	2.767	3.658	7.8	20.8
3 12	10 33.52	+38 2.2	2.814	3.657	9.4	20.9
3 22	10 26.51	+38 26.2	2.885	3.656	11.2	21.0
4 1	10 21.05	+38 28.4	2.977	3.655	12.8	21.1

34111 2000 PZ_{24} 2 28.7 103°.25 1°.4/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.39	+ 9 21.7	2.539	3.331	11.5	18.5
2 1	11 0.68	+10 15.4	2.461	3.342	8.8	18.4
2 11	10 55.31	+11 17.9	2.408	3.353	5.7	18.2
2 21	10 48.77	+12 24.8	2.383	3.364	2.5	18.0
3 2	10 41.68	+13 30.7	2.389	3.375	2.0	18.0
3 12	10 34.79	+14 30.0	2.425	3.386	5.0	18.2
3 22	10 28.76	+15 18.9	2.489	3.396	8.1	18.4
4 1	10 24.16	+15 54.7	2.578	3.407	10.8	18.6

372586 2009 UE_{104} 2 28.7 183°.15 1°.7/ 1.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.90	− 0 44.2	2.377	3.130	13.3	22.5
2 1	11 2.80	− 0 17.5	2.280	3.130	10.7	22.3
2 11	10 56.84	+ 0 25.2	2.206	3.130	7.5	22.1
2 21	10 49.50	+ 1 21.6	2.158	3.130	4.1	21.9
3 2	10 41.44	+ 2 27.4	2.141	3.129	1.7	21.7
3 12	10 33.51	+ 3 37.0	2.154	3.127	4.4	21.9
3 22	10 26.47	+ 4 44.5	2.195	3.125	7.8	22.1
4 1	10 20.99	+ 5 44.9	2.264	3.122	11.0	22.3

60843 2000 HS_{61} 2 28.7 128°.78 3°.6/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.82	− 4 30.9	1.713	2.466	17.7	19.9
2 1	11 5.69	− 4 20.7	1.632	2.478	14.5	19.6
2 11	10 59.06	− 3 47.1	1.572	2.489	10.6	19.4
2 21	10 50.55	− 2 51.6	1.536	2.500	6.4	19.2
3 2	10 41.14	− 1 39.0	1.527	2.510	3.6	19.1
3 12	10 32.01	− 0 17.1	1.546	2.520	5.8	19.2
3 22	10 24.24	+ 1 5.3	1.592	2.529	9.7	19.5
4 1	10 18.67	+ 2 20.3	1.663	2.537	13.5	19.7

199559 2006 EZ_{34} 2 28.7 173°.36 0°.9/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.68	+ 7 56.7	2.241	3.031	12.9	20.9
2 1	11 2.73	+ 8 35.1	2.153	3.032	10.0	20.7
2 11	10 56.84	+ 9 24.4	2.090	3.033	6.6	20.5
2 21	10 49.51	+10 20.4	2.053	3.034	2.8	20.3
3 2	10 41.46	+11 17.6	2.046	3.035	1.6	20.2
3 12	10 33.59	+12 10.0	2.069	3.035	5.3	20.4
3 22	10 26.71	+12 53.0	2.119	3.035	8.9	20.6
4 1	10 21.47	+13 23.5	2.195	3.035	12.0	20.8

417287 2006 BH_5 2 28.7 31°.68 3°.2/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.73	+ 0 6.5	1.533	2.317	18.2	20.5
2 1	11 5.04	− 0 20.8	1.462	2.329	14.6	20.3
2 11	10 58.70	− 0 29.7	1.412	2.341	10.4	20.1
2 21	10 50.40	− 0 21.3	1.385	2.355	6.0	19.8
3 2	10 41.21	+ 0 0.9	1.383	2.369	3.2	19.7
3 12	10 32.40	+ 0 31.2	1.409	2.384	6.0	19.9
3 22	10 25.11	+ 1 3.2	1.460	2.400	10.2	20.2
4 1	10 20.17	+ 1 30.8	1.535	2.416	14.1	20.4

495130 2011 YU_8 2 28.7 78°.47 1°.7/ 1.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 8.53	+ 1 21.2	1.566	2.353	17.7	22.1
2 1	11 4.95	+ 1 34.2	1.487	2.359	14.1	21.8
2 11	10 58.71	+ 2 7.1	1.428	2.364	9.8	21.6
2 21	10 50.45	+ 2 57.0	1.394	2.370	5.0	21.3
3 2	10 41.20	+ 3 57.8	1.387	2.376	1.8	21.1
3 12	10 32.23	+ 5 1.5	1.406	2.382	5.9	21.4
3 22	10 24.71	+ 6 0.3	1.452	2.388	10.6	21.7
4 1	10 19.52	+ 6 47.8	1.521	2.394	14.7	21.9

48786 1997 SH_4 2 28.7 161°.57 1°.5/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.11	+ 0 30.6	2.651	3.405	12.1	19.9
2 1	11 1.95	+ 0 48.2	2.558	3.410	9.6	19.7
2 11	10 56.16	+ 1 18.6	2.488	3.414	6.7	19.6
2 21	10 49.17	+ 1 59.7	2.446	3.418	3.6	19.4
3 2	10 41.59	+ 2 48.2	2.434	3.422	1.5	19.2
3 12	10 34.16	+ 3 39.6	2.452	3.425	3.9	19.4
3 22	10 27.53	+ 4 29.2	2.499	3.428	7.1	19.6
4 1	10 22.29	+ 5 13.2	2.573	3.431	9.9	19.8

28499 2000 CG_{75} 2 28.7 256°.20 3°.5/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.45	− 1 53.1	1.740	2.500	17.2	19.3
2 1	11 7.36	− 2 5.0	1.628	2.480	14.2	19.0
2 11	11 0.53	− 1 57.6	1.537	2.459	10.4	18.8
2 21	10 51.40	− 1 30.8	1.471	2.438	6.2	18.5
3 2	10 40.87	− 0 47.1	1.431	2.415	3.5	18.2
3 12	10 30.20	+ 0 7.6	1.419	2.392	6.2	18.3
3 22	10 20.66	+ 1 5.9	1.434	2.369	10.7	18.5
4 1	10 13.37	+ 2 0.3	1.473	2.345	15.1	18.7

384143 2008 YV_{134} 2 28.7 135°.44 0°.3/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.50	+ 4 29.9	2.368	3.144	12.7	21.6
2 1	11 2.44	+ 4 57.3	2.282	3.151	10.0	21.4
2 11	10 56.57	+ 5 36.6	2.220	3.158	6.7	21.2
2 21	10 49.37	+ 6 24.8	2.186	3.164	3.0	21.0
3 2	10 41.55	+ 7 17.1	2.181	3.171	0.8	20.8
3 12	10 33.92	+ 8 8.4	2.206	3.177	4.5	21.1
3 22	10 27.23	+ 8 53.9	2.259	3.183	8.0	21.3
4 1	10 22.09	+ 9 30.1	2.338	3.189	11.0	21.6

356713 2011 UK_{160} 2 28.7 210°.69 0°.5/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.88	+ 3 1.7	1.968	2.743	15.0	21.0
2 1	11 5.61	+ 3 36.8	1.869	2.736	11.9	20.8
2 11	10 59.01	+ 4 29.0	1.793	2.729	8.1	20.5
2 21	10 50.58	+ 5 34.6	1.742	2.721	3.8	20.2
3 2	10 41.17	+ 6 48.0	1.721	2.712	1.0	20.0
3 12	10 31.83	+ 8 1.6	1.730	2.702	5.5	20.3
3 22	10 23.59	+ 9 8.3	1.766	2.691	9.8	20.5
4 1	10 17.30	+10 2.8	1.828	2.680	13.5	20.7

486653 2013 QT_1 2 28.7 68°.84 1°.4/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.00	− 3 20.4	1.020	1.832	23.5	20.9
2 1	11 2.66	− 0 27.0	0.951	1.841	18.4	20.6
2 11	10 57.85	+ 3 19.1	0.902	1.851	12.1	20.2
2 21	10 50.27	+ 7 43.7	0.878	1.860	5.0	19.9
3 2	10 41.27	+12 19.9	0.881	1.870	3.1	19.8
3 12	10 32.67	+16 35.6	0.913	1.880	10.0	20.2
3 22	10 26.07	+20 7.2	0.970	1.890	16.2	20.6
4 1	10 22.63	+22 44.3	1.047	1.900	21.3	20.9

409960 2006 UV_{276} 2 28.7 59°.67 4°.1/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.35	+16 23.8	1.542	2.361	16.4	21.7
2 1	11 8.58	+16 59.8	1.482	2.377	12.6	21.5
2 11	11 0.99	+17 40.9	1.445	2.393	8.4	21.3
2 21	10 51.40	+18 19.5	1.432	2.409	4.8	21.1
3 2	10 41.01	+18 47.8	1.447	2.426	4.8	21.1
3 12	10 31.21	+19 0.0	1.489	2.442	8.4	21.4
3 22	10 23.15	+18 53.9	1.556	2.459	12.3	21.7
4 1	10 17.65	+18 29.9	1.644	2.476	15.8	21.9

332392 2007 HV_{40} 2 28.7 89°.50 3°.2/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.16	+14 27.7	1.942	2.751	13.9	21.1
2 1	11 4.89	+15 17.5	1.872	2.762	10.6	20.9
2 11	10 58.37	+16 14.1	1.826	2.773	7.0	20.7
2 21	10 50.22	+17 11.0	1.807	2.784	3.8	20.6
3 2	10 41.35	+18 1.1	1.816	2.795	3.9	20.6
3 12	10 32.83	+18 38.4	1.854	2.806	7.2	20.8
3 22	10 25.58	+18 59.7	1.918	2.816	10.6	21.0
4 1	10 20.31	+19 3.6	2.005	2.827	13.7	21.3

268020 2004 NV_{21} 2 28.7 187°.72 2°.5/25.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.36	+12 43.2	2.578	3.372	11.3	21.4
2 1	11 3.07	+13 55.0	2.489	3.372	8.7	21.2
2 11	10 57.00	+15 14.8	2.425	3.370	5.7	21.0
2 21	10 49.60	+16 37.2	2.391	3.368	3.0	20.8
3 2	10 41.53	+17 55.7	2.388	3.366	3.2	20.8
3 12	10 33.56	+19 4.5	2.415	3.362	6.0	21.0
3 22	10 26.45	+19 59.3	2.471	3.358	9.0	21.2
4 1	10 20.82	+20 37.7	2.552	3.354	11.7	21.4

244156 2001 WR_{82} 2 28.7 205°.45 1°.2/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 5.04	+ 1 22.8	2.814	3.570	11.4	21.2
2 1	11 1.11	+ 1 43.0	2.712	3.566	9.1	21.0
2 11	10 55.62	+ 2 15.2	2.633	3.561	6.3	20.8
2 21	10 48.97	+ 2 57.2	2.583	3.556	3.2	20.6
3 2	10 41.72	+ 3 45.8	2.562	3.551	1.2	20.5
3 12	10 34.56	+ 4 36.8	2.572	3.545	3.8	20.7
3 22	10 28.12	+ 5 25.7	2.611	3.539	6.9	20.8
4 1	10 22.95	+ 6 8.9	2.678	3.533	9.7	21.0

160829 2000 XU_{27} 2 28.7 110°.40 0°.7/28.1 18

1 22	11 14.19	+ 7 43.0	1.877	2.662	15.3	20.7
2 1	11 8.68	+ 8 10.5	1.809	2.685	11.8	20.5
2 11	11 0.81	+ 8 49.6	1.765	2.707	7.7	20.3
2 21	10 51.27	+ 9 35.3	1.748	2.729	3.3	20.1
3 2	10 41.06	+10 21.6	1.760	2.750	1.5	20.0
3 12	10 31.29	+11 2.3	1.802	2.770	5.8	20.4
3 22	10 22.95	+11 32.9	1.872	2.789	9.7	20.6
4 1	10 16.74	+11 50.9	1.966	2.808	13.1	20.9

99719 2002 JA_{44} 2 28.7 294°.12 2°.6/ 1.6 18

1 22	11 7.79	+ 0 20.4	1.538	2.324	18.0	19.6
2 1	11 4.74	+ 0 13.8	1.439	2.308	14.6	19.3
2 11	10 58.88	+ 0 27.2	1.359	2.292	10.5	19.0
2 21	10 50.70	+ 0 59.7	1.302	2.275	5.8	18.7
3 2	10 41.17	+ 1 47.4	1.271	2.259	2.7	18.5
3 12	10 31.61	+ 2 43.2	1.267	2.243	6.3	18.7
3 22	10 23.35	+ 3 38.9	1.288	2.227	11.3	18.9
4 1	10 17.50	+ 4 27.0	1.332	2.212	15.9	19.1

239880 2000 QM_{35} 2 28.7 188°.04 2°.5/ 2.2 18

1 22	11 9.93	− 2 26.5	2.101	2.848	15.0	21.4
2 1	11 5.46	− 2 9.3	2.003	2.848	12.2	21.2
2 11	10 58.80	− 1 33.4	1.927	2.846	8.8	21.0
2 21	10 50.48	− 0 40.5	1.877	2.844	5.1	20.8
3 2	10 41.28	+ 0 25.3	1.856	2.842	2.5	20.6
3 12	10 32.20	+ 1 37.7	1.865	2.838	5.0	20.7
3 22	10 24.16	+ 2 49.8	1.902	2.834	8.7	21.0
4 1	10 17.95	+ 3 55.4	1.965	2.828	12.3	21.2

405829 2006 BJ_{143} 2 28.7 341°.63 1°.6/29.4 18

1 22	11 10.30	+ 7 24.0	1.086	1.916	21.1	20.2
2 1	11 7.72	+ 6 31.6	1.004	1.902	16.9	19.9
2 11	11 1.42	+ 5 50.6	0.940	1.889	11.7	19.6
2 21	10 51.99	+ 5 19.6	0.897	1.877	5.7	19.2
3 2	10 40.80	+ 4 55.8	0.877	1.867	1.9	18.9
3 12	10 29.76	+ 4 34.8	0.881	1.859	7.9	19.2
3 22	10 20.72	+ 4 12.1	0.906	1.852	14.0	19.5
4 1	10 15.03	+ 3 44.0	0.951	1.846	19.3	19.8

306392 1995 HW_{1} 2 28.7 226°.29 6°.5/22.3 18

1 22	11 10.82	+21 20.6	1.825	2.645	14.2	20.8
2 1	11 6.70	+22 54.4	1.745	2.637	11.2	20.6
2 11	10 59.93	+24 32.7	1.689	2.628	8.2	20.4
2 21	10 51.07	+26 5.8	1.659	2.619	6.5	20.3
3 2	10 41.12	+27 23.1	1.658	2.610	7.6	20.3
3 12	10 31.34	+28 16.7	1.683	2.600	10.5	20.5
3 22	10 22.92	+28 43.0	1.733	2.590	13.8	20.7
4 1	10 16.78	+28 42.5	1.803	2.579	16.8	20.8

250224 2002 VO_{117} 2 28.7 144°.61 13°.8/ 8.3 18

1 22	11 18.11	−19 15.0	1.419	2.094	24.0	20.5
2 1	11 13.23	−21 22.3	1.341	2.101	21.5	20.3
2 11	11 4.82	−23 1.0	1.278	2.108	18.7	20.1
2 21	10 53.45	−24 2.2	1.234	2.114	16.1	20.0
3 2	10 40.37	−24 19.2	1.211	2.120	14.2	19.9
3 12	10 27.36	−23 52.4	1.211	2.125	14.0	19.8
3 22	10 16.14	−22 49.4	1.233	2.129	15.4	19.9
4 1	10 8.06	−21 23.3	1.275	2.133	17.9	20.1

80165 1999 TL_{285} 2 28.7 25°.46 5°.7/24.7 18

1 22	11 10.49	+16 29.1	1.245	2.082	18.5	19.4
2 1	11 7.27	+17 41.6	1.179	2.084	14.3	19.2
2 11	11 0.68	+19 4.0	1.135	2.086	9.7	18.9
2 21	10 51.48	+20 24.9	1.113	2.089	6.1	18.7
3 2	10 41.02	+21 31.7	1.117	2.091	6.8	18.8
3 12	10 31.03	+22 14.4	1.146	2.094	10.9	19.0
3 22	10 23.00	+22 28.6	1.196	2.097	15.4	19.2
4 1	10 17.99	+22 14.9	1.266	2.101	19.4	19.5

37400 2001 XG_{67} 2 28.7 307°.75 0°.3/28.9 18

1 22	11 4.58	+ 5 5.7	2.292	3.075	12.9	19.0
2 1	11 1.17	+ 5 25.3	2.192	3.065	10.1	18.8
2 11	10 55.89	+ 5 56.9	2.116	3.056	6.8	18.6
2 21	10 49.18	+ 6 37.6	2.067	3.046	3.1	18.3
3 2	10 41.73	+ 7 23.1	2.046	3.036	0.8	18.1
3 12	10 34.36	+ 8 8.1	2.055	3.027	4.7	18.4
3 22	10 27.87	+ 8 48.1	2.091	3.018	8.4	18.6
4 1	10 22.93	+ 9 19.0	2.153	3.009	11.6	18.8

465683 2009 SV_{212} 2 28.7 129°.41 3°.5/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 6.36	− 6 36.8	2.235	2.964	14.8	21.9
2 1	11 2.48	− 6 15.9	2.148	2.976	12.1	21.8
2 11	10 56.69	− 5 34.6	2.082	2.987	9.0	21.6
2 21	10 49.50	− 4 34.5	2.041	2.997	5.8	21.4
3 2	10 41.65	− 3 19.2	2.029	3.008	3.6	21.3
3 12	10 33.99	− 1 55.1	2.046	3.018	4.8	21.4
3 22	10 27.32	− 0 29.2	2.092	3.027	7.9	21.6
4 1	10 22.28	+ 0 52.0	2.165	3.036	11.0	21.8

354088 2001 WY_{70} 2 28.7 100°.61 2°.4/26.9 18

1 22	11 11.45	+10 25.5	1.514	2.326	17.0	21.5
2 1	11 7.26	+11 14.7	1.446	2.338	13.1	21.3
2 11	11 0.27	+12 17.0	1.400	2.349	8.6	21.1
2 21	10 51.19	+13 24.9	1.379	2.360	3.9	20.8
3 2	10 41.16	+14 29.4	1.386	2.371	3.2	20.8
3 12	10 31.56	+15 21.9	1.419	2.382	7.6	21.1
3 22	10 23.60	+15 57.1	1.478	2.393	12.1	21.4
4 1	10 18.14	+16 12.7	1.559	2.403	15.9	21.6

419824 2010 XC_{42} 2 28.7 54°.02 7°.3/22.0 18

1 22	11 8.83	+22 29.3	1.588	2.420	15.4	20.6
2 1	11 5.21	+24 8.8	1.538	2.435	12.1	20.4
2 11	10 58.86	+25 49.0	1.510	2.451	8.9	20.2
2 21	10 50.53	+27 18.7	1.509	2.466	7.3	20.2
3 2	10 41.37	+28 27.5	1.533	2.482	8.4	20.3
3 12	10 32.73	+29 8.8	1.583	2.499	11.1	20.5
3 22	10 25.72	+29 21.1	1.656	2.515	14.2	20.7
4 1	10 21.16	+29 6.3	1.749	2.532	17.0	20.9

519528 2012 JW_{54} 2 28.7 313°.35 4°.1/25.1 17

1 22	11 8.56	+15 55.9	1.784	2.602	14.6	21.7
2 1	11 4.81	+16 52.9	1.705	2.599	11.2	21.4
2 11	10 58.57	+17 57.1	1.649	2.597	7.6	21.2
2 21	10 50.44	+19 1.1	1.619	2.594	4.5	21.0
3 2	10 41.38	+19 56.6	1.617	2.592	4.9	21.0
3 12	10 32.56	+20 36.5	1.642	2.590	8.3	21.2
3 22	10 25.06	+20 56.9	1.693	2.588	12.0	21.4
4 1	10 19.73	+20 56.8	1.765	2.586	15.3	21.6

502512 2015 BB_{423} 2 28.7 88°.73 0°.3/28.4 17

1 22	11 5.41	+ 5 31.1	2.078	2.867	13.8	21.6
2 1	11 1.92	+ 6 13.8	1.994	2.872	10.7	21.4
2 11	10 56.41	+ 7 10.3	1.934	2.877	7.1	21.2
2 21	10 49.42	+ 8 16.2	1.901	2.882	3.1	20.9
3 2	10 41.70	+ 9 25.5	1.897	2.886	1.2	20.8
3 12	10 34.18	+10 31.4	1.921	2.891	5.2	21.1
3 22	10 27.71	+11 28.2	1.974	2.896	9.0	21.3
4 1	10 22.96	+12 11.9	2.051	2.901	12.4	21.5

157925 1999 VO_{88} 2 28.7 142°.97 0°.3/29.0 18

1 22	11 7.47	+ 4 22.6	2.373	3.146	12.8	20.8
2 1	11 3.21	+ 4 51.1	2.288	3.154	10.0	20.6
2 11	10 57.11	+ 5 31.8	2.226	3.163	6.7	20.4
2 21	10 49.68	+ 6 21.3	2.192	3.170	3.1	20.2
3 2	10 41.62	+ 7 15.1	2.187	3.178	0.8	20.0
3 12	10 33.76	+ 8 7.7	2.213	3.185	4.5	20.3
3 22	10 26.84	+ 8 54.5	2.268	3.191	8.0	20.6
4 1	10 21.49	+ 9 31.9	2.348	3.197	11.0	20.8

20263 1998 FF_{16} 2 28.7 271°.07 0°.1/28.8 18

1 22	11 8.29	+ 4 48.2	1.734	2.527	16.0	18.5
2 1	11 4.86	+ 5 17.3	1.629	2.507	12.7	18.2
2 11	10 58.83	+ 6 4.0	1.546	2.488	8.6	17.9
2 21	10 50.68	+ 7 4.6	1.488	2.468	3.9	17.6
3 2	10 41.28	+ 8 13.0	1.458	2.448	1.2	17.3
3 12	10 31.84	+ 9 20.8	1.455	2.427	6.3	17.6
3 22	10 23.56	+10 20.4	1.479	2.407	11.1	17.8
4 1	10 17.43	+11 5.9	1.527	2.386	15.4	18.1

51882 2001 QM_{6} 2 28.7 112°.12 0°.4/29.2 18

1 22	11 6.31	+ 4 19.7	2.428	3.202	12.5	18.9
2 1	11 2.25	+ 4 43.7	2.345	3.212	9.8	18.7
2 11	10 56.45	+ 5 19.4	2.286	3.223	6.6	18.5
2 21	10 49.38	+ 6 3.5	2.255	3.233	3.0	18.3
3 2	10 41.73	+ 6 51.8	2.253	3.243	0.8	18.2
3 12	10 34.28	+ 7 39.4	2.281	3.253	4.3	18.4
3 22	10 27.76	+ 8 21.8	2.338	3.263	7.7	18.7
4 1	10 22.73	+ 8 55.5	2.420	3.272	10.7	18.9

96105 3225 $T\text{-}_{2}$ 2 28.7 182°.82 2°.6/26.6 18

1 22	11 12.32	+11 51.8	1.752	2.556	15.4	20.5
2 1	11 7.74	+12 38.4	1.669	2.557	11.9	20.3
2 11	11 0.54	+13 35.7	1.610	2.557	7.8	20.0
2 21	10 51.34	+14 37.1	1.577	2.557	3.8	19.8
3 2	10 41.14	+15 34.8	1.572	2.556	3.4	19.8
3 12	10 31.18	+16 21.1	1.595	2.554	7.4	20.0
3 22	10 22.63	+16 51.2	1.645	2.553	11.5	20.2
4 1	10 16.35	+17 3.1	1.718	2.550	15.2	20.4

117000 2004 HU_{54} 2 28.7 229°.79 1°.7/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 6.35	+12 5.5	2.720	3.512	10.8	20.5
2 1	11 2.23	+12 41.1	2.623	3.504	8.3	20.3
2 11	10 56.44	+13 23.2	2.551	3.496	5.5	20.1
2 21	10 49.40	+14 7.9	2.507	3.487	2.6	19.9
3 2	10 41.73	+14 50.7	2.494	3.478	2.3	19.8
3 12	10 34.16	+15 27.0	2.510	3.468	5.1	20.0
3 22	10 27.37	+15 53.8	2.556	3.459	8.1	20.2
4 1	10 21.95	+16 8.8	2.626	3.449	10.8	20.4

193942 2001 RQ_{36} 2 28.7 65°.29 2°.1/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.59	+ 1 9.6	1.311	2.103	20.2	20.0
2 1	11 8.30	+ 1 13.2	1.254	2.128	16.0	19.8
2 11	11 0.99	+ 1 38.8	1.217	2.153	11.0	19.6
2 21	10 51.50	+ 2 22.6	1.202	2.178	5.7	19.3
3 2	10 41.14	+ 3 18.0	1.214	2.203	2.1	19.2
3 12	10 31.43	+ 4 15.9	1.252	2.228	6.4	19.5
3 22	10 23.62	+ 5 8.0	1.315	2.253	11.2	19.9
4 1	10 18.54	+ 5 48.2	1.400	2.277	15.4	20.2

433147 2012 TH_{240} 2 28.7 48°.46 6°.9/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.75	+28 10.3	2.113	2.923	12.9	20.7
2 1	11 7.58	+29 0.9	2.055	2.934	10.4	20.6
2 11	11 0.10	+29 46.4	2.021	2.945	8.1	20.4
2 21	10 51.01	+30 19.2	2.013	2.957	6.9	20.4
3 2	10 41.30	+30 33.4	2.033	2.968	7.6	20.5
3 12	10 32.08	+30 25.6	2.080	2.980	9.7	20.6
3 22	10 24.27	+29 56.0	2.151	2.992	12.1	20.8
4 1	10 18.57	+29 7.1	2.244	3.004	14.3	21.0

15614 Pillinger 2 28.7 223°.08 0°.9/27.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.52	+ 6 54.0	2.326	3.115	12.5	18.5
2 1	11 1.09	+ 7 45.9	2.234	3.112	9.7	18.3
2 11	10 55.82	+ 8 50.2	2.165	3.109	6.4	18.1
2 21	10 49.18	+10 2.4	2.125	3.106	2.7	17.9
3 2	10 41.83	+11 16.7	2.114	3.103	1.5	17.8
3 12	10 34.60	+12 26.6	2.133	3.099	5.2	18.0
3 22	10 28.25	+13 27.0	2.180	3.096	8.7	18.2
4 1	10 23.45	+14 13.9	2.252	3.092	11.8	18.4

62622 2000 SQ_{350} 2 28.7 246°.01 7°.1/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.73	+26 24.9	2.161	2.974	12.6	19.8
2 1	11 6.37	+27 54.8	2.077	2.959	10.1	19.6
2 11	10 59.59	+29 24.4	2.018	2.944	8.0	19.4
2 21	10 50.94	+30 45.1	1.987	2.929	7.1	19.3
3 2	10 41.29	+31 47.9	1.983	2.913	8.2	19.4
3 12	10 31.75	+32 26.9	2.006	2.896	10.5	19.5
3 22	10 23.38	+32 39.7	2.053	2.879	13.2	19.6
4 1	10 17.04	+32 27.3	2.121	2.862	15.6	19.8

17386 1981 EA_{23} 2 28.7 289°.39 1°.3/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.06	+10 23.5	1.845	2.645	14.9	19.2
2 1	11 6.65	+10 34.7	1.756	2.640	11.6	18.9
2 11	10 59.77	+10 55.1	1.689	2.635	7.7	18.7
2 21	10 51.01	+11 20.4	1.649	2.630	3.4	18.4
3 2	10 41.28	+11 45.2	1.637	2.625	2.0	18.3
3 12	10 31.76	+12 3.9	1.653	2.621	6.2	18.6
3 22	10 23.51	+12 12.7	1.697	2.616	10.4	18.8
4 1	10 17.39	+12 9.3	1.763	2.612	14.1	19.0

105970 2000 SP_{262} 2 28.7 181°.49 1°.4/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.43	+10 24.8	2.696	3.486	11.0	20.4
2 1	11 1.49	+11 5.1	2.607	3.487	8.4	20.2
2 11	10 55.93	+11 53.1	2.542	3.487	5.5	20.0
2 21	10 49.18	+12 44.7	2.506	3.487	2.5	19.8
3 2	10 41.84	+13 35.4	2.501	3.487	1.9	19.7
3 12	10 34.65	+14 20.4	2.525	3.486	4.9	19.9
3 22	10 28.25	+14 56.2	2.578	3.485	7.9	20.1
4 1	10 23.21	+15 20.5	2.657	3.484	10.6	20.3

310897 2003 RJ_{20} 2 28.7 150°.39 1°.0/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.25	+ 8 26.7	2.106	2.890	13.9	22.2
2 1	11 7.12	+ 9 1.9	2.025	2.900	10.7	22.0
2 11	10 59.83	+ 9 47.6	1.968	2.910	7.0	21.8
2 21	10 50.95	+10 39.4	1.939	2.920	3.0	21.6
3 2	10 41.33	+11 31.3	1.940	2.928	1.7	21.5
3 12	10 31.98	+12 17.4	1.970	2.936	5.6	21.8
3 22	10 23.80	+12 53.2	2.029	2.943	9.3	22.0
4 1	10 17.52	+13 16.1	2.113	2.949	12.6	22.2

40080 1998 MY_{9} 2 28.7 133°.97 6°.7/ 7.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.52	−16 14.2	2.414	3.077	15.3	19.1
2 1	11 2.58	−16 32.1	2.322	3.087	13.3	19.0
2 11	10 56.78	−16 27.5	2.249	3.096	11.0	18.8
2 21	10 49.59	−15 59.2	2.199	3.105	8.7	18.7
3 2	10 41.72	−15 8.2	2.175	3.114	7.0	18.6
3 12	10 34.01	−13 58.3	2.179	3.122	6.9	18.6
3 22	10 27.22	−12 35.6	2.211	3.130	8.4	18.7
4 1	10 22.01	−11 7.4	2.269	3.138	10.6	18.8

453297 2008 UN_{105} 2 28.7 89°.54 3°.3/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 12.30	− 2 57.7	1.582	2.344	18.6	22.5
2 1	11 7.65	− 2 50.7	1.517	2.369	15.0	22.3
2 11	11 0.38	− 2 20.8	1.472	2.394	10.7	22.1
2 21	10 51.22	− 1 30.4	1.451	2.419	6.3	21.9
3 2	10 41.27	− 0 25.0	1.458	2.443	3.3	21.8
3 12	10 31.81	+ 0 47.1	1.492	2.466	5.8	22.0
3 22	10 23.93	+ 1 57.6	1.553	2.489	9.9	22.3
4 1	10 18.42	+ 2 59.3	1.638	2.512	13.7	22.6

419008 2009 PA_{11} 2 28.7 119°.26 1°.8/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.99	+11 47.2	2.386	3.172	12.3	21.7
2 1	11 6.56	+12 23.1	2.316	3.194	9.4	21.6
2 11	10 59.25	+13 5.5	2.271	3.215	6.2	21.4
2 21	10 50.62	+13 49.8	2.255	3.235	2.8	21.2
3 2	10 41.45	+14 30.9	2.270	3.254	2.4	21.2
3 12	10 32.61	+15 4.1	2.314	3.273	5.4	21.4
3 22	10 24.88	+15 26.4	2.388	3.291	8.6	21.7
4 1	10 18.83	+15 36.3	2.487	3.308	11.4	21.9

8332 Ivantsvetaev 2 28.7 68°.65 3°.9/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.20	− 3 1.4	1.466	2.238	19.4	17.6
2 1	11 6.35	− 3 13.5	1.397	2.254	15.7	17.4
2 11	10 59.71	− 3 2.0	1.347	2.270	11.5	17.1
2 21	10 50.99	− 2 28.4	1.320	2.287	6.9	16.9
3 2	10 41.34	− 1 37.0	1.319	2.303	4.0	16.8
3 12	10 32.09	− 0 35.6	1.345	2.319	6.3	17.0
3 22	10 24.46	+ 0 27.2	1.396	2.335	10.5	17.2
4 1	10 19.30	+ 1 23.5	1.470	2.352	14.5	17.5

299358 2005 SP_{255} 2 28.7 235°.01 0°.8/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 3.42	+ 1 38.7	2.691	3.455	11.7	21.1
2 1	11 0.01	+ 2 15.3	2.588	3.447	9.2	20.9
2 11	10 55.00	+ 3 5.2	2.509	3.440	6.3	20.7
2 21	10 48.80	+ 4 5.9	2.457	3.433	3.1	20.4
3 2	10 41.98	+ 5 13.2	2.435	3.425	0.9	20.3
3 12	10 35.23	+ 6 22.1	2.444	3.417	4.0	20.5
3 22	10 29.20	+ 7 27.3	2.482	3.409	7.2	20.7
4 1	10 24.47	+ 8 24.7	2.547	3.401	10.1	20.8

366424 2001 UJ_{217} 2 28.7 125°.23 3°.1/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.33	+14 13.5	1.946	2.753	14.0	21.4
2 1	11 5.86	+15 1.0	1.872	2.760	10.7	21.2
2 11	10 59.11	+15 55.6	1.821	2.768	7.1	21.0
2 21	10 50.66	+16 50.9	1.797	2.775	3.8	20.8
3 2	10 41.45	+17 40.0	1.802	2.782	3.8	20.9
3 12	10 32.53	+18 16.7	1.835	2.788	7.1	21.1
3 22	10 24.89	+18 37.5	1.895	2.795	10.7	21.3
4 1	10 19.27	+18 41.2	1.978	2.801	13.9	21.5

505004 2011 LF_{28} 2 28.7 214°.85 1°.8/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.98	− 0 5.8	2.773	3.520	11.8	22.7
2 1	11 2.69	+ 0 1.5	2.666	3.512	9.5	22.5
2 11	10 56.76	+ 0 21.0	2.582	3.504	6.7	22.3
2 21	10 49.59	+ 0 51.3	2.526	3.495	3.7	22.1
3 2	10 41.76	+ 1 29.8	2.499	3.486	1.8	21.9
3 12	10 33.99	+ 2 12.5	2.503	3.476	3.9	22.1
3 22	10 26.95	+ 2 55.2	2.537	3.466	7.0	22.2
4 1	10 21.23	+ 3 34.1	2.598	3.456	9.8	22.4

265318 2004 NZ_{7} 2 28.7 275°.56 5°.6/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.66	− 6 46.0	2.038	2.764	16.1	21.0
2 1	11 6.43	− 7 30.3	1.919	2.741	13.6	20.8
2 11	10 59.79	− 7 57.7	1.821	2.717	10.7	20.5
2 21	10 51.14	− 8 6.3	1.747	2.693	7.6	20.3
3 2	10 41.26	− 7 55.7	1.700	2.669	5.7	20.1
3 12	10 31.19	− 7 28.6	1.681	2.644	6.7	20.1
3 22	10 22.05	− 6 50.0	1.690	2.619	9.8	20.3
4 1	10 14.79	− 6 6.4	1.723	2.594	13.3	20.4

391310 2006 TM_{25} 2 28.7 147°.21 3°.7/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.32	+18 49.5	2.481	3.286	11.4	21.4
2 1	11 3.88	+19 31.6	2.402	3.288	8.8	21.2
2 11	10 57.58	+20 15.9	2.348	3.290	6.0	21.0
2 21	10 49.94	+20 57.2	2.321	3.292	3.9	20.9
3 2	10 41.67	+21 30.1	2.325	3.293	4.3	20.9
3 12	10 33.63	+21 50.5	2.357	3.295	6.7	21.1
3 22	10 26.58	+21 56.3	2.416	3.296	9.5	21.2
4 1	10 21.13	+21 46.9	2.500	3.298	12.0	21.4

325785 2010 PU_{46} 2 28.7 118°.51 4°.0/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 16.32	+18 46.7	2.175	2.972	13.1	21.1
2 1	11 10.09	+19 28.1	2.112	2.993	10.1	21.0
2 11	11 1.66	+20 11.1	2.073	3.014	6.9	20.8
2 21	10 51.72	+20 49.6	2.063	3.033	4.3	20.7
3 2	10 41.20	+21 17.6	2.083	3.053	4.6	20.7
3 12	10 31.13	+21 31.0	2.132	3.071	7.3	20.9
3 22	10 22.42	+21 28.2	2.209	3.089	10.3	21.1
4 1	10 15.74	+21 9.8	2.310	3.106	12.9	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
502080 2015 AT_{232}			2 28.7 144.°88	6.°9/ 6.2 17		
	h m	° ′			°	m
1 22	11 13.37	−13 32.6	2.491	3.155	14.9	21.5
2 1	11 7.84	−14 35.2	2.396	3.163	12.9	21.4
2 11	11 0.29	−15 20.2	2.323	3.171	10.6	21.2
2 21	10 51.21	−15 45.3	2.273	3.179	8.5	21.1
3 2	10 41.31	−15 49.6	2.251	3.186	7.0	21.0
3 12	10 31.52	−15 35.0	2.258	3.193	7.2	21.0
3 22	10 22.67	−15 5.4	2.293	3.200	8.8	21.1
4 1	10 15.49	−14 26.5	2.354	3.205	10.9	21.3
135279 2001 SD_{135}			2 28.7 140.°85	1.°5/ 1.4 18		
1 22	11 4.66	+ 0 14.1	2.406	3.167	13.0	20.6
2 1	11 1.10	+ 0 37.8	2.313	3.170	10.3	20.4
2 11	10 55.78	+ 1 16.3	2.244	3.172	7.2	20.2
2 21	10 49.18	+ 2 7.2	2.202	3.175	3.8	20.0
3 2	10 41.93	+ 3 6.3	2.189	3.177	1.5	19.8
3 12	10 34.82	+ 4 8.4	2.205	3.180	4.2	20.0
3 22	10 28.57	+ 5 8.0	2.250	3.182	7.6	20.2
4 1	10 23.80	+ 6 0.6	2.322	3.184	10.7	20.4
33307 1998 KX_{52}			2 28.7 345.°33	2.°4/ 2.4 18		R
1 22	11 0.80	− 3 29.3	1.986	2.751	15.2	18.0
2 1	10 58.58	− 2 50.1	1.889	2.744	12.4	17.8
2 11	10 54.37	− 1 48.6	1.814	2.738	8.9	17.6
2 21	10 48.63	− 0 27.1	1.764	2.733	5.1	17.3
3 2	10 42.09	+ 1 9.1	1.742	2.729	2.4	17.1
3 12	10 35.65	+ 2 52.1	1.748	2.724	4.8	17.3
3 22	10 30.18	+ 4 33.1	1.782	2.721	8.7	17.5
4 1	10 26.40	+ 6 4.4	1.842	2.718	12.3	17.7
136107 2003 EY_{58}			2 28.7 67.°57	3.°4/25.4 18		
1 22	11 6.54	+11 7.8	1.673	2.489	15.5	19.4
2 1	11 3.22	+12 43.0	1.612	2.507	11.8	19.2
2 11	10 57.49	+14 30.8	1.574	2.525	7.6	19.0
2 21	10 50.00	+16 22.1	1.564	2.543	4.0	18.9
3 2	10 41.72	+18 6.2	1.581	2.561	4.3	18.9
3 12	10 33.83	+19 33.7	1.627	2.579	8.0	19.2
3 22	10 27.32	+20 38.8	1.698	2.596	11.8	19.4
4 1	10 22.95	+21 19.5	1.791	2.614	15.0	19.7
61253 2000 OM_{24}			2 28.7 228.°25	1.°7/29.9 18		
1 22	11 12.61	+ 2 37.2	1.767	2.543	16.4	18.7
2 1	11 8.09	+ 2 32.7	1.669	2.534	13.2	18.5
2 11	11 0.92	+ 2 43.8	1.593	2.526	9.2	18.2
2 21	10 51.65	+ 3 8.6	1.541	2.517	4.7	17.9
3 2	10 41.21	+ 3 43.1	1.518	2.507	1.7	17.7
3 12	10 30.85	+ 4 21.4	1.523	2.497	5.7	18.0
3 22	10 21.75	+ 4 57.4	1.555	2.486	10.3	18.2
4 1	10 14.87	+ 5 25.9	1.611	2.475	14.4	18.4
464067 2014 WW_{259}			2 28.7 43.°00	1.°8/27.1 18		
1 22	11 6.87	+ 9 1.8	1.706	2.515	15.5	21.2
2 1	11 3.55	+ 9 52.6	1.628	2.518	12.0	21.0
2 11	10 57.78	+10 57.1	1.574	2.522	7.8	20.7
2 21	10 50.17	+12 9.2	1.544	2.526	3.5	20.5
3 2	10 41.67	+13 20.6	1.543	2.530	2.6	20.4
3 12	10 33.43	+14 23.2	1.569	2.534	6.8	20.7
3 22	10 26.50	+15 11.0	1.621	2.538	11.0	21.0
4 1	10 21.69	+15 40.6	1.696	2.543	14.7	21.2
37717 1996 RQ_{33}			2 28.7 276.°52	5.°5/25.9 18		
1 22	11 24.40	+21 36.8	1.630	2.432	16.5	18.8
2 1	11 17.83	+21 46.9	1.529	2.411	13.2	18.5
2 11	11 7.75	+21 55.7	1.450	2.389	9.4	18.2
2 21	10 54.81	+21 55.1	1.397	2.367	6.1	18.0
3 2	10 40.28	+21 37.2	1.373	2.345	6.1	17.9
3 12	10 25.90	+20 56.9	1.377	2.323	9.8	18.1
3 22	10 13.32	+19 54.4	1.407	2.300	14.1	18.3
4 1	10 3.77	+18 33.0	1.461	2.277	18.2	18.5
452568 2005 BM_{15}			2 28.7 28.°15	0.°3/28.9 16		
1 22	11 5.46	+ 4 9.4	1.132	1.958	20.7	21.4
2 1	11 3.34	+ 4 33.9	1.074	1.970	16.2	21.1
2 11	10 58.05	+ 5 21.2	1.035	1.984	10.9	20.8
2 21	10 50.37	+ 6 25.4	1.017	1.998	4.9	20.6
3 2	10 41.63	+ 7 37.0	1.024	2.014	1.3	20.4
3 12	10 33.45	+ 8 44.7	1.055	2.031	7.2	20.8
3 22	10 27.16	+ 9 39.5	1.109	2.049	12.6	21.1
4 1	10 23.69	+10 15.6	1.184	2.068	17.1	21.4
2347 Vinata			2 28.7 102.°53	4.°4/ 4.6 18		
1 22	11 8.52	− 7 56.9	2.594	3.300	13.5	16.7
2 1	11 3.86	− 8 19.5	2.510	3.318	11.2	16.6
2 11	10 57.50	− 8 26.0	2.449	3.336	8.7	16.5
2 21	10 49.92	− 8 16.5	2.413	3.354	6.1	16.3
3 2	10 41.77	− 7 52.3	2.405	3.371	4.5	16.2
3 12	10 33.82	− 7 17.0	2.427	3.388	5.0	16.3
3 22	10 26.78	− 6 35.0	2.478	3.405	7.2	16.5
4 1	10 21.19	− 5 51.1	2.556	3.422	9.7	16.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
461633 2005 EV_{168}			2 28.7 296.°12	0.°8/29.4 17		
	h m	° ′			°	m
1 22	11 7.84	+ 4 0.7	1.575	2.372	17.2	22.0
2 1	11 4.80	+ 4 10.3	1.473	2.353	13.7	21.7
2 11	10 58.99	+ 4 37.7	1.392	2.333	9.4	21.4
2 21	10 50.89	+ 5 20.2	1.334	2.313	4.5	21.0
3 2	10 41.43	+ 6 12.5	1.304	2.294	1.2	20.8
3 12	10 31.93	+ 7 6.7	1.300	2.275	6.4	21.0
3 22	10 23.68	+ 7 55.2	1.321	2.255	11.5	21.3
4 1	10 17.79	+ 8 31.7	1.365	2.237	16.1	21.5
468432 2001 SN_{301}			2 28.7 146.°13	1.°1/ 1.1 17		
1 22	11 5.52	+ 1 22.9	2.696	3.454	11.8	22.4
2 1	11 1.53	+ 1 46.5	2.606	3.461	9.3	22.2
2 11	10 55.97	+ 2 22.4	2.540	3.468	6.4	22.0
2 21	10 49.25	+ 3 8.2	2.501	3.475	3.3	21.8
3 2	10 41.97	+ 4 0.3	2.492	3.481	1.2	21.7
3 12	10 34.85	+ 4 54.2	2.514	3.487	3.8	21.9
3 22	10 28.52	+ 5 45.3	2.565	3.493	6.9	22.1
4 1	10 23.52	+ 6 29.9	2.642	3.498	9.7	22.3
480774 2016 PF_{12}			2 28.7 270.°94	4.°7/ 4.4 16		
1 22	11 7.73	− 7 51.8	2.613	3.321	13.3	21.6
2 1	11 3.56	− 8 21.8	2.491	3.299	11.3	21.4
2 11	10 57.54	− 8 36.8	2.390	3.277	8.8	21.2
2 21	10 50.06	− 8 35.8	2.315	3.255	6.4	21.0
3 2	10 41.71	− 8 19.3	2.268	3.233	4.8	20.8
3 12	10 33.28	− 7 49.7	2.250	3.210	5.4	20.8
3 22	10 25.55	− 7 11.1	2.260	3.187	7.8	20.9
4 1	10 19.22	− 6 28.4	2.297	3.164	10.6	21.1
500446 2012 TV_{184}			2 28.7 51.°27	0.°1/28.8 17		
1 22	11 8.92	+ 6 55.8	2.208	2.991	13.3	21.5
2 1	11 4.53	+ 6 58.5	2.121	2.994	10.4	21.3
2 11	10 58.13	+ 7 10.9	2.057	2.997	7.0	21.1
2 21	10 50.26	+ 7 30.0	2.020	3.000	3.1	20.8
3 2	10 41.68	+ 7 52.1	2.013	3.003	0.9	20.6
3 12	10 33.30	+ 8 12.8	2.034	3.006	4.8	20.9
3 22	10 25.97	+ 8 28.4	2.084	3.009	8.5	21.2
4 1	10 20.34	+ 8 36.2	2.159	3.013	11.7	21.4
450458 2005 VE_{46}			2 28.7 358.°81	2.°4/ 1.4 18		
1 22	11 7.33	+ 0 43.1	1.263	2.067	20.3	21.3
2 1	11 4.77	+ 0 43.3	1.185	2.065	16.3	21.0
2 11	10 59.09	+ 1 7.4	1.126	2.064	11.5	20.7
2 21	10 50.93	+ 1 53.1	1.088	2.064	6.1	20.4
3 2	10 41.45	+ 2 54.5	1.075	2.064	2.4	20.2
3 12	10 32.23	+ 4 1.9	1.087	2.064	6.8	20.5
3 22	10 24.69	+ 5 5.3	1.123	2.066	12.1	20.8
4 1	10 19.93	+ 5 56.6	1.180	2.067	16.9	21.0
149797 2005 JR_{29}			2 28.7 299.°02	1.°8/27.3 18		
1 22	11 7.22	+ 9 1.3	1.570	2.384	16.5	20.0
2 1	11 4.26	+ 9 42.2	1.478	2.370	12.8	19.8
2 11	10 58.57	+10 38.5	1.406	2.355	8.5	19.5
2 21	10 50.66	+11 44.7	1.360	2.341	3.8	19.2
3 2	10 41.53	+12 52.3	1.340	2.327	2.6	19.1
3 12	10 32.46	+13 52.4	1.347	2.314	7.4	19.3
3 22	10 24.73	+14 37.7	1.379	2.300	12.2	19.5
4 1	10 19.36	+15 3.9	1.433	2.287	16.5	19.8
436925 2012 TA_{104}			2 28.7 62.°10	3.°6/ 3.7 17		
1 22	11 4.55	− 5 44.0	2.252	2.989	14.4	21.3
2 1	11 1.14	− 5 41.5	2.163	2.995	11.9	21.1
2 11	10 55.89	− 5 20.4	2.095	3.002	8.9	20.9
2 21	10 49.27	− 4 41.8	2.052	3.009	5.8	20.7
3 2	10 41.97	− 3 48.6	2.037	3.015	3.7	20.6
3 12	10 34.84	− 2 45.9	2.051	3.022	4.8	20.7
3 22	10 28.64	− 1 39.8	2.093	3.029	7.8	20.9
4 1	10 24.01	− 0 36.1	2.161	3.036	10.8	21.1
202827 2008 SQ_{143}			2 28.7 155.°59	1.°5/27.2 18		
1 22	11 7.61	+10 5.6	2.283	3.076	12.6	20.9
2 1	11 3.48	+10 44.3	2.198	3.080	9.7	20.7
2 11	10 57.42	+11 32.0	2.138	3.083	6.3	20.5
2 21	10 49.94	+12 24.1	2.105	3.086	2.8	20.3
3 2	10 41.78	+13 15.2	2.102	3.089	2.1	20.2
3 12	10 33.81	+13 59.9	2.129	3.091	5.5	20.4
3 22	10 26.83	+14 33.9	2.183	3.094	8.9	20.7
4 1	10 21.49	+14 55.0	2.262	3.096	11.9	20.8
314166 2005 GP_{36}			2 28.7 83.°09	1.°2/29.7 18		
1 22	11 8.14	+ 2 8.5	1.640	2.427	17.0	21.5
2 1	11 4.60	+ 2 30.6	1.560	2.433	13.5	21.3
2 11	10 58.53	+ 3 11.6	1.501	2.439	9.2	21.0
2 21	10 50.54	+ 4 8.2	1.467	2.445	4.5	20.8
3 2	10 41.60	+ 5 13.9	1.460	2.450	1.3	20.6
3 12	10 32.92	+ 6 20.8	1.481	2.456	5.7	20.9
3 22	10 25.61	+ 7 21.2	1.528	2.462	10.3	21.1
4 1	10 20.50	+ 8 9.4	1.599	2.467	14.3	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
42437 2266 *T*-3			2 28.7	124°.90	5°.4/ 5.8	18
	h m	° ′			°	m
1 22	11 5.36	−11 31.4	2.126	2.833	16.0	19.9
2 1	11 1.94	−11 28.0	2.034	2.839	13.6	19.7
2 11	10 56.51	−11 0.9	1.962	2.845	10.7	19.5
2 21	10 49.58	−10 9.8	1.913	2.850	7.7	19.3
3 2	10 41.88	− 8 57.4	1.891	2.856	5.6	19.2
3 12	10 34.34	− 7 29.2	1.897	2.861	6.0	19.2
3 22	10 27.81	− 5 53.1	1.932	2.866	8.4	19.4
4 1	10 22.99	− 4 17.3	1.992	2.871	11.4	19.6
99954 1978 *NH*			2 28.7	135°.29	5°.3/21.2	18
1 22	11 8.34	+23 4.5	2.710	3.515	10.5	20.1
2 1	11 3.83	+24 49.7	2.648	3.530	8.2	19.9
2 11	10 57.55	+26 35.3	2.614	3.544	6.2	19.8
2 21	10 49.97	+28 14.1	2.610	3.558	5.3	19.8
3 2	10 41.78	+29 39.1	2.636	3.571	6.1	19.8
3 12	10 33.78	+30 45.3	2.692	3.584	8.1	20.0
3 22	10 26.69	+31 30.5	2.773	3.596	10.2	20.1
4 1	10 21.13	+31 54.9	2.878	3.608	12.2	20.3
173713 2001 QC_{135}			2 28.7	154°.51	1°.2/ 1.3	17
1 22	11 7.90	+ 1 52.9	3.260	4.004	10.2	21.7
2 1	11 3.04	+ 1 58.7	3.167	4.014	8.1	21.6
2 11	10 56.80	+ 2 13.7	3.098	4.023	5.6	21.4
2 21	10 49.58	+ 2 36.2	3.059	4.031	2.9	21.3
3 2	10 41.90	+ 3 3.8	3.051	4.039	1.2	21.1
3 12	10 34.36	+ 3 33.5	3.074	4.046	3.3	21.3
3 22	10 27.50	+ 4 2.1	3.128	4.053	6.0	21.5
4 1	10 21.79	+ 4 27.1	3.209	4.059	8.4	21.7
471171 2010 JT_{47}			2 28.8	288°.48	5°.9/21.6	16
1 22	11 6.12	+22 28.2	2.231	3.050	12.0	21.1
2 1	11 2.74	+23 57.6	2.138	3.028	9.5	20.9
2 11	10 57.20	+25 30.7	2.070	3.007	7.1	20.7
2 21	10 49.96	+26 59.5	2.029	2.985	5.9	20.6
3 2	10 41.77	+28 15.5	2.017	2.963	6.9	20.6
3 12	10 33.60	+29 12.0	2.032	2.941	9.4	20.7
3 22	10 26.39	+29 45.3	2.072	2.919	12.3	20.8
4 1	10 20.97	+29 54.7	2.134	2.897	14.9	21.0
284773 2008 WN_{121}			2 28.8	30°.85	3°.6/24.6	18
1 22	11 2.19	+11 13.2	1.751	2.572	14.7	19.4
2 1	10 59.83	+13 6.6	1.687	2.586	11.1	19.2
2 11	10 55.25	+15 13.2	1.648	2.600	7.2	19.0
2 21	10 49.04	+17 23.2	1.636	2.615	4.0	18.8
3 2	10 42.07	+19 25.6	1.654	2.630	4.7	18.9
3 12	10 35.39	+21 10.3	1.699	2.646	8.1	19.1
3 22	10 29.93	+22 31.1	1.770	2.663	11.7	19.4
4 1	10 26.40	+23 25.5	1.864	2.680	14.8	19.6
28383 1999 JX_{68}			2 28.8	25°.01	4°.6/ 4.1	18
1 22	11 4.27	− 7 7.5	1.684	2.436	18.0	18.2
2 1	11 1.61	− 7 1.8	1.599	2.440	14.9	18.0
2 11	10 56.56	− 6 30.2	1.533	2.443	11.3	17.8
2 21	10 49.68	− 5 33.3	1.490	2.447	7.4	17.5
3 2	10 41.87	− 4 15.0	1.473	2.452	4.7	17.4
3 12	10 34.26	− 2 43.2	1.483	2.457	6.0	17.5
3 22	10 27.89	− 1 7.5	1.520	2.462	9.6	17.7
4 1	10 23.58	+ 0 22.8	1.581	2.467	13.4	17.9
257029 2008 FK_{38}			2 28.8	309°.63	3°.9/25.6	18
1 22	11 8.82	+14 48.2	1.643	2.464	15.5	20.7
2 1	11 5.34	+15 38.0	1.559	2.456	12.0	20.4
2 11	10 59.16	+16 36.7	1.498	2.448	8.1	20.2
2 21	10 50.88	+17 37.0	1.462	2.440	4.5	20.0
3 2	10 41.52	+18 30.2	1.453	2.432	4.7	19.9
3 12	10 32.35	+19 8.5	1.471	2.425	8.5	20.1
3 22	10 24.59	+19 27.3	1.514	2.418	12.6	20.4
4 1	10 19.16	+19 25.2	1.578	2.411	16.3	20.6
147558 2004 FZ_{14}			2 28.8	35°.91	1°.4/29.7	18
1 22	11 10.61	+ 3 2.5	1.339	2.140	19.4	20.0
2 1	11 7.15	+ 3 4.8	1.261	2.141	15.5	19.7
2 11	11 0.58	+ 3 27.3	1.203	2.143	10.7	19.4
2 21	10 51.58	+ 4 6.8	1.167	2.145	5.3	19.1
3 2	10 41.32	+ 4 57.3	1.157	2.147	1.6	18.9
3 12	10 31.35	+ 5 49.9	1.172	2.149	6.7	19.2
3 22	10 23.07	+ 6 36.6	1.213	2.151	12.0	19.5
4 1	10 17.54	+ 7 10.9	1.275	2.153	16.6	19.8
322488 2011 UA_{268}			2 28.8	122°.26	4°.2/25.2	18
1 22	11 11.98	+15 26.7	1.673	2.488	15.5	20.7
2 1	11 7.55	+16 32.6	1.605	2.498	11.9	20.5
2 11	11 0.45	+17 46.1	1.560	2.507	8.0	20.3
2 21	10 51.37	+18 59.0	1.541	2.517	4.7	20.1
3 2	10 41.40	+20 2.0	1.550	2.526	5.1	20.2
3 12	10 31.82	+20 47.5	1.587	2.534	8.6	20.4
3 22	10 23.77	+21 11.9	1.649	2.543	12.4	20.7
4 1	10 18.08	+21 14.5	1.733	2.551	15.7	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
322369 2011 LF_5			2 28.8	120°.95	3°.2/25.1	18
	h m	° ′			°	m
1 22	11 6.35	+14 42.7	2.306	3.112	12.1	20.4
2 1	11 2.51	+15 50.0	2.231	3.120	9.2	20.2
2 11	10 56.77	+17 3.8	2.181	3.127	6.1	20.0
2 21	10 49.66	+18 17.9	2.159	3.135	3.5	19.9
3 2	10 41.90	+19 25.6	2.167	3.142	3.9	19.9
3 12	10 34.35	+20 21.2	2.204	3.149	6.7	20.1
3 22	10 27.79	+21 0.9	2.267	3.155	9.7	20.3
4 1	10 22.86	+21 23.1	2.355	3.162	12.4	20.5
519625 2012 UZ_{181}			2 28.8	6°.92	2°.2/ 1.9	17
1 22	11 2.47	− 1 12.8	1.970	2.742	15.1	20.8
2 1	10 59.84	− 0 53.4	1.882	2.743	12.1	20.6
2 11	10 55.18	− 0 15.3	1.816	2.744	8.6	20.4
2 21	10 49.01	+ 0 39.2	1.775	2.746	4.8	20.1
3 2	10 42.08	+ 1 45.5	1.761	2.749	2.2	20.0
3 12	10 35.31	+ 2 56.8	1.776	2.752	4.8	20.2
3 22	10 29.57	+ 4 6.3	1.818	2.756	8.6	20.4
4 1	10 25.55	+ 5 7.7	1.884	2.760	12.1	20.6
145384 2005 NA_{16}			2 28.8	263°.00	1°.0/27.6	17
1 22	11 5.89	+ 8 56.6	2.460	3.250	11.9	21.1
2 1	11 2.13	+ 9 29.5	2.359	3.238	9.2	20.9
2 11	10 56.56	+10 11.9	2.282	3.225	6.1	20.7
2 21	10 49.60	+11 0.0	2.232	3.213	2.7	20.5
3 2	10 41.91	+11 49.0	2.212	3.200	1.6	20.4
3 12	10 34.28	+12 33.9	2.222	3.187	5.1	20.6
3 22	10 27.49	+13 10.3	2.260	3.174	8.5	20.8
4 1	10 22.17	+13 35.3	2.323	3.161	11.5	20.9
189851 2003 FT_{74}			2 28.8	283°.86	8°.1/20.8	17
1 22	11 10.47	+26 54.2	1.837	2.659	14.1	19.7
2 1	11 6.56	+28 22.4	1.762	2.649	11.4	19.5
2 11	10 59.94	+29 49.5	1.710	2.638	9.1	19.4
2 21	10 51.22	+31 5.2	1.684	2.627	8.1	19.3
3 2	10 41.44	+31 59.8	1.684	2.617	9.2	19.3
3 12	10 31.88	+32 26.9	1.710	2.606	11.7	19.5
3 22	10 23.75	+32 24.7	1.759	2.596	14.5	19.6
4 1	10 17.96	+31 55.1	1.827	2.585	17.2	19.8
8722 Schirra			2 28.8	121°.77	0°.8/29.5	18
1 22	11 14.21	+ 3 31.7	2.057	2.822	14.8	18.7
2 1	11 8.59	+ 3 46.5	1.984	2.844	11.6	18.6
2 11	11 0.79	+ 4 14.7	1.933	2.865	7.9	18.4
2 21	10 51.43	+ 4 53.1	1.909	2.886	3.8	18.2
3 2	10 41.41	+ 5 37.0	1.915	2.905	1.1	18.0
3 12	10 31.75	+ 6 20.6	1.951	2.924	4.9	18.3
3 22	10 23.35	+ 6 59.1	2.016	2.941	8.7	18.6
4 1	10 16.91	+ 7 28.8	2.107	2.958	12.0	18.8
211891 2004 JW_{19}			2 28.8	229°.73	5°.2/21.5	18
1 22	11 7.83	+25 44.1	2.894	3.698	9.9	20.8
2 1	11 3.45	+26 50.3	2.809	3.688	7.9	20.6
2 11	10 57.33	+27 55.5	2.751	3.678	6.1	20.5
2 21	10 49.92	+28 53.9	2.721	3.667	5.2	20.4
3 2	10 41.86	+29 39.9	2.720	3.655	6.0	20.5
3 12	10 33.91	+30 9.6	2.748	3.644	7.8	20.6
3 22	10 26.79	+30 21.2	2.802	3.632	9.9	20.7
4 1	10 21.11	+30 14.8	2.878	3.619	11.9	20.8
169640 2002 JD_{23}			2 28.8	294°.43	0°.4/28.4	16
1 22	11 7.04	+ 5 38.7	1.523	2.329	17.2	20.4
2 1	11 4.22	+ 6 11.4	1.428	2.315	13.6	20.1
2 11	10 58.61	+ 7 3.0	1.355	2.301	9.1	19.8
2 21	10 50.74	+ 8 9.0	1.305	2.287	4.1	19.4
3 2	10 41.58	+ 9 21.8	1.282	2.273	1.5	19.2
3 12	10 32.47	+10 32.0	1.286	2.259	6.9	19.5
3 22	10 24.69	+11 31.2	1.315	2.245	12.0	19.8
4 1	10 19.32	+12 13.2	1.366	2.232	16.5	20.0
17484 Ganghofer			2 28.8	146°.69	0°.8/29.7	18
1 22	11 8.41	+ 2 44.0	2.318	3.084	13.3	19.6
2 1	11 4.03	+ 3 7.4	2.231	3.092	10.4	19.5
2 11	10 57.77	+ 3 44.2	2.168	3.101	7.1	19.3
2 21	10 50.13	+ 4 31.3	2.132	3.108	3.5	19.0
3 2	10 41.82	+ 5 24.4	2.125	3.116	1.0	18.9
3 12	10 33.70	+ 6 18.1	2.149	3.122	4.5	19.1
3 22	10 26.56	+ 7 7.4	2.202	3.129	8.0	19.4
4 1	10 21.02	+ 7 48.2	2.280	3.134	11.1	19.6
169662 2002 JS_{69}			2 28.8	241°.05	3°.7/25.4	18
1 22	11 9.22	+13 32.1	1.729	2.543	15.1	20.0
2 1	11 5.56	+14 41.8	1.642	2.535	11.7	19.7
2 11	10 59.30	+16 3.0	1.578	2.526	7.8	19.5
2 21	10 50.98	+17 27.9	1.540	2.517	4.3	19.2
3 2	10 41.55	+18 47.0	1.530	2.508	4.7	19.2
3 12	10 32.26	+19 51.2	1.548	2.499	8.4	19.4
3 22	10 24.27	+20 35.0	1.591	2.489	12.5	19.6
4 1	10 18.52	+20 56.0	1.657	2.479	16.1	19.8

292830 2006 UH_{275} 2 28.8 222°.63 1°.8/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 5.63	− 0 42.8	2.903	3.647	11.4	22.2
2 1	11 1.63	− 0 30.5	2.793	3.637	9.1	22.0
2 11	10 56.08	− 0 5.8	2.707	3.627	6.5	21.9
2 21	10 49.37	+ 0 29.9	2.648	3.617	3.7	21.7
3 2	10 42.04	+ 1 13.8	2.620	3.606	1.8	21.5
3 12	10 34.75	+ 2 2.1	2.622	3.595	3.7	21.6
3 22	10 28.13	+ 2 50.5	2.654	3.583	6.7	21.8
4 1	10 22.74	+ 3 35.2	2.712	3.571	9.4	22.0

209530 2004 TA_{112} 2 28.8 77°.66 0°.8/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.35	+ 2 42.3	1.495	2.283	18.3	21.2
2 1	11 7.81	+ 3 12.6	1.437	2.311	14.3	21.0
2 11	11 0.57	+ 4 2.3	1.400	2.338	9.7	20.8
2 21	10 51.42	+ 5 6.1	1.387	2.366	4.5	20.6
3 2	10 41.50	+ 6 16.5	1.402	2.392	1.2	20.4
3 12	10 32.15	+ 7 24.4	1.445	2.419	6.0	20.8
3 22	10 24.49	+ 8 22.5	1.514	2.445	10.6	21.1
4 1	10 19.28	+ 9 6.0	1.606	2.471	14.5	21.4

245037 2004 EB_{75} 2 28.8 16°.18 0°.9/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.73	+ 8 15.1	1.810	2.615	14.9	20.4
2 1	11 2.52	+ 8 40.4	1.732	2.619	11.6	20.2
2 11	10 57.04	+ 9 17.6	1.677	2.624	7.6	20.0
2 21	10 49.88	+10 2.1	1.648	2.629	3.3	19.7
3 2	10 41.93	+10 48.0	1.646	2.635	1.6	19.6
3 12	10 34.24	+11 28.8	1.672	2.642	5.9	19.9
3 22	10 27.77	+11 59.4	1.724	2.649	10.0	20.1
4 1	10 23.26	+12 16.8	1.799	2.656	13.5	20.4

52817 1998 QF_{99} 2 28.8 43°.58 2°.9/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.69	+11 46.1	1.335	2.158	18.3	18.7
2 1	11 8.01	+12 23.7	1.264	2.161	14.2	18.5
2 11	11 1.15	+13 14.1	1.213	2.164	9.4	18.2
2 21	10 51.85	+14 9.6	1.186	2.167	4.4	17.9
3 2	10 41.36	+15 0.7	1.185	2.171	3.7	17.9
3 12	10 31.27	+15 38.5	1.210	2.174	8.5	18.2
3 22	10 23.00	+15 57.7	1.259	2.178	13.3	18.5
4 1	10 17.54	+15 56.4	1.329	2.182	17.6	18.7

168343 1995 OJ_{2} 2 28.8 99°.03 0°.1/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.54	+ 3 32.4	2.406	3.181	12.6	20.6
2 1	11 0.99	+ 4 24.1	2.325	3.193	9.8	20.4
2 11	10 55.72	+ 5 29.3	2.268	3.206	6.5	20.2
2 21	10 49.22	+ 6 43.9	2.239	3.218	2.9	20.0
3 2	10 42.14	+ 8 2.6	2.240	3.230	0.8	19.8
3 12	10 35.25	+ 9 19.0	2.271	3.242	4.4	20.1
3 22	10 29.26	+10 27.8	2.331	3.254	7.8	20.4
4 1	10 24.73	+11 24.8	2.417	3.266	10.8	20.6

272949 2006 BZ_{280} 2 28.8 192°.05 0°.5/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.04	+ 7 38.4	2.180	2.966	13.4	21.4
2 1	11 4.73	+ 7 59.9	2.089	2.965	10.4	21.2
2 11	10 58.37	+ 8 31.9	2.022	2.964	6.9	21.0
2 21	10 50.46	+ 9 10.7	1.982	2.963	3.0	20.8
3 2	10 41.78	+ 9 51.5	1.972	2.961	1.2	20.6
3 12	10 33.26	+10 29.0	1.990	2.960	5.2	20.9
3 22	10 25.77	+10 58.8	2.037	2.958	8.9	21.1
4 1	10 20.03	+11 17.9	2.109	2.955	12.2	21.3

251311 2006 YS_{14} 2 28.8 47°.65 2°.4/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 18.24	+14 27.3	1.489	2.298	17.4	19.1
2 1	11 12.53	+14 18.3	1.424	2.312	13.5	18.9
2 11	11 3.79	+14 14.3	1.381	2.327	8.9	18.6
2 21	10 52.89	+14 9.9	1.362	2.342	4.2	18.4
3 2	10 41.12	+13 59.8	1.372	2.358	3.1	18.4
3 12	10 30.00	+13 40.0	1.409	2.374	7.4	18.7
3 22	10 20.79	+13 9.0	1.472	2.390	11.8	18.9
4 1	10 14.34	+12 27.1	1.558	2.407	15.6	19.2

303372 2004 VT_{51} 2 28.8 151°.87 1°.5/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.73	+ 8 44.8	1.909	2.701	14.8	21.9
2 1	11 7.04	+ 9 33.8	1.830	2.710	11.4	21.7
2 11	11 0.00	+10 35.0	1.774	2.718	7.5	21.5
2 21	10 51.20	+11 43.0	1.745	2.726	3.3	21.2
3 2	10 41.57	+12 50.3	1.745	2.733	2.2	21.1
3 12	10 32.21	+13 49.8	1.775	2.739	6.3	21.4
3 22	10 24.12	+14 36.0	1.832	2.744	10.3	21.7
4 1	10 18.08	+15 6.0	1.913	2.749	13.7	21.9

157312 2004 SU_{32} 2 28.8 156°.26 2°.9/26.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.06	+14 30.6	2.122	2.925	13.1	20.4
2 1	11 5.56	+15 12.3	2.041	2.928	10.1	20.2
2 11	10 58.92	+16 0.1	1.985	2.931	6.7	20.0
2 21	10 50.70	+16 48.5	1.956	2.934	3.6	19.8
3 2	10 41.73	+17 31.2	1.956	2.936	3.6	19.8
3 12	10 33.00	+18 2.9	1.986	2.939	6.7	20.0
3 22	10 25.42	+18 20.1	2.042	2.941	10.1	20.2
4 1	10 19.68	+18 21.8	2.122	2.943	13.1	20.4

453926 2011 WO_{86} 2 28.8 32°.43 2°.3/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 8.08	+ 9 54.6	1.228	2.058	19.1	21.3
2 1	11 5.25	+10 34.0	1.169	2.070	14.7	21.0
2 11	10 59.28	+11 28.5	1.129	2.082	9.6	20.8
2 21	10 50.98	+12 30.4	1.113	2.095	4.3	20.5
3 2	10 41.66	+13 29.6	1.122	2.109	3.2	20.5
3 12	10 32.89	+14 16.6	1.156	2.124	8.2	20.8
3 22	10 25.98	+14 45.4	1.213	2.139	13.1	21.1
4 1	10 21.85	+14 53.5	1.291	2.156	17.3	21.4

382910 2004 RL_{190} 2 28.8 162°.25 4°.1/ 4.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.26	− 9 16.0	2.720	3.418	13.1	22.3
2 1	11 2.94	− 9 11.2	2.622	3.425	10.9	22.2
2 11	10 56.97	− 8 48.7	2.546	3.431	8.5	22.0
2 21	10 49.79	− 8 9.1	2.495	3.437	5.9	21.8
3 2	10 42.00	− 7 14.4	2.474	3.442	4.2	21.7
3 12	10 34.33	− 6 8.9	2.482	3.446	4.7	21.8
3 22	10 27.46	− 4 57.7	2.521	3.450	7.0	21.9
4 1	10 21.96	− 3 46.6	2.586	3.453	9.5	22.1

94041 2000 XK_{52} 2 28.8 69°.71 3°.6/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.65	+15 58.0	1.819	2.628	14.7	19.5
2 1	11 7.66	+16 38.5	1.762	2.651	11.3	19.3
2 11	11 0.29	+17 23.7	1.728	2.674	7.5	19.2
2 21	10 51.26	+18 6.8	1.721	2.697	4.2	19.0
3 2	10 41.61	+18 41.0	1.742	2.720	4.3	19.1
3 12	10 32.47	+19 1.3	1.791	2.743	7.4	19.3
3 22	10 24.81	+19 5.2	1.867	2.765	10.9	19.5
4 1	10 19.33	+18 52.7	1.966	2.788	13.9	19.8

217960 2001 UO_{157} 2 28.8 162°.57 0°.7/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.98	+ 7 6.8	2.310	3.091	12.9	21.5
2 1	11 4.53	+ 7 46.9	2.223	3.096	10.0	21.3
2 11	10 58.15	+ 8 38.3	2.161	3.102	6.6	21.1
2 21	10 50.35	+ 9 36.6	2.126	3.106	2.8	20.9
3 2	10 41.85	+10 36.6	2.121	3.110	1.3	20.8
3 12	10 33.53	+11 32.3	2.147	3.114	5.1	21.0
3 22	10 26.19	+12 19.1	2.201	3.117	8.6	21.3
4 1	10 20.50	+12 53.7	2.281	3.119	11.7	21.5

436248 2010 BW_{65} 2 28.8 235°.09 0°.7/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.85	+ 5 54.6	2.434	3.202	12.7	21.6
2 1	11 6.69	+ 5 40.8	2.334	3.197	10.0	21.4
2 11	10 59.58	+ 5 35.4	2.257	3.191	6.8	21.2
2 21	10 51.00	+ 5 36.6	2.208	3.186	3.3	21.0
3 2	10 41.66	+ 5 41.7	2.190	3.180	0.9	20.8
3 12	10 32.43	+ 5 47.3	2.202	3.174	4.4	21.0
3 22	10 24.14	+ 5 50.7	2.243	3.168	8.0	21.2
4 1	10 17.47	+ 5 49.1	2.311	3.162	11.1	21.4

160532 1996 TH_{50} 2 28.8 110°.79 2°.1/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.21	− 0 39.5	1.824	2.587	16.5	20.6
2 1	11 6.62	− 0 20.4	1.750	2.606	13.1	20.4
2 11	10 59.69	+ 0 17.8	1.698	2.625	9.2	20.2
2 21	10 51.05	+ 1 12.0	1.671	2.643	5.0	19.9
3 2	10 41.66	+ 2 17.0	1.673	2.661	2.1	19.8
3 12	10 32.61	+ 3 25.4	1.704	2.678	5.2	20.0
3 22	10 24.89	+ 4 30.2	1.762	2.695	9.2	20.3
4 1	10 19.24	+ 5 25.4	1.846	2.711	12.8	20.6

410003 2006 WY_{32} 2 28.8 38°.26 1°.9/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 17.65	+13 13.9	1.303	2.120	19.0	20.0
2 1	11 12.31	+12 57.0	1.248	2.140	14.7	19.8
2 11	11 3.72	+12 47.0	1.213	2.161	9.7	19.5
2 21	10 52.86	+12 38.6	1.201	2.183	4.3	19.3
3 2	10 41.17	+12 26.5	1.217	2.205	2.6	19.2
3 12	10 30.29	+12 6.3	1.259	2.228	7.5	19.6
3 22	10 21.54	+11 36.4	1.326	2.252	12.2	19.9
4 1	10 15.76	+10 56.4	1.415	2.276	16.2	20.2

222372 2000 YS_{80} 2 28.8 77°.55 4°.8/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.44	+18 17.9	1.935	2.746	13.9	20.4
2 1	11 6.60	+19 35.6	1.887	2.777	10.6	20.3
2 11	10 59.52	+20 56.0	1.864	2.807	7.3	20.1
2 21	10 50.91	+22 11.2	1.868	2.837	4.9	20.0
3 2	10 41.72	+23 13.1	1.901	2.866	5.5	20.1
3 12	10 33.04	+23 56.2	1.962	2.895	8.2	20.3
3 22	10 25.76	+24 18.4	2.049	2.924	11.2	20.6
4 1	10 20.52	+24 20.3	2.159	2.952	13.8	20.8

128331 2004 FM_{46} 2 28.8 279°.72 2°.0/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.35	+ 8 48.9	1.420	2.236	17.8	20.8
2 1	11 6.35	+ 9 32.7	1.325	2.218	13.9	20.5
2 11	11 0.27	+10 34.6	1.250	2.200	9.3	20.2
2 21	10 51.62	+11 48.3	1.199	2.181	4.2	19.9
3 2	10 41.43	+13 4.7	1.175	2.163	2.9	19.7
3 12	10 31.22	+14 12.8	1.177	2.144	8.2	20.0
3 22	10 22.47	+15 4.1	1.203	2.125	13.5	20.2
4 1	10 16.38	+15 33.6	1.250	2.107	18.2	20.4

86368 1999 XB_{225} 2 28.8 287°.79 2°.2/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 10.13	+ 2 5.8	1.421	2.215	18.8	19.9
2 1	11 7.01	+ 1 56.1	1.319	2.195	15.3	19.6
2 11	11 0.77	+ 2 5.8	1.236	2.174	10.8	19.2
2 21	10 51.88	+ 2 33.7	1.176	2.152	5.7	18.9
3 2	10 41.34	+ 3 15.7	1.142	2.131	2.2	18.6
3 12	10 30.67	+ 4 4.5	1.134	2.110	6.8	18.8
3 22	10 21.38	+ 4 51.6	1.150	2.089	12.3	19.0
4 1	10 14.75	+ 5 29.7	1.188	2.068	17.4	19.3

197629 2004 KH_{3} 2 28.8 229°.91 2°.7/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.68	+11 41.1	1.723	2.527	15.6	22.1
2 1	11 8.31	+12 28.3	1.630	2.517	12.2	21.8
2 11	11 1.20	+13 27.3	1.559	2.506	8.1	21.5
2 21	10 51.89	+14 31.9	1.514	2.494	3.9	21.2
3 2	10 41.38	+15 33.7	1.498	2.482	3.5	21.2
3 12	10 30.96	+16 24.4	1.510	2.469	7.7	21.4
3 22	10 21.88	+16 58.5	1.548	2.456	12.1	21.6
4 1	10 15.12	+17 13.2	1.608	2.442	16.0	21.8

492250 2013 UE_{6} 2 28.8 117°.09 3°.2/25.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.04	+15 58.0	2.292	3.093	12.3	22.2
2 1	11 5.31	+16 44.8	2.221	3.107	9.4	22.0
2 11	10 58.61	+17 36.1	2.175	3.120	6.3	21.8
2 21	10 50.52	+18 26.0	2.157	3.132	3.6	21.7
3 2	10 41.82	+19 8.9	2.169	3.145	3.8	21.7
3 12	10 33.42	+19 39.8	2.210	3.157	6.6	21.9
3 22	10 26.11	+19 56.3	2.278	3.168	9.6	22.1
4 1	10 20.54	+19 57.4	2.371	3.179	12.3	22.3

490347 2009 DE_{132} 2 28.8 80°.16 0°.6/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.17	+ 5 20.4	2.291	3.066	13.1	21.5
2 1	11 4.60	+ 5 22.1	2.211	3.078	10.3	21.3
2 11	10 58.14	+ 5 34.0	2.154	3.090	6.9	21.1
2 21	10 50.32	+ 5 53.7	2.124	3.102	3.3	20.9
3 2	10 41.88	+ 6 17.4	2.124	3.115	0.9	20.7
3 12	10 33.70	+ 6 41.0	2.154	3.127	4.5	21.0
3 22	10 26.54	+ 7 0.8	2.212	3.139	8.0	21.3
4 1	10 21.03	+ 7 13.8	2.296	3.151	11.0	21.5

468042 2013 QO_{67} 2 28.8 206°.38 1°.8/ 1.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.40	+ 3 30.6	1.896	2.668	15.6	21.4
2 1	11 8.43	+ 3 5.5	1.804	2.667	12.4	21.2
2 11	11 1.02	+ 2 52.6	1.735	2.667	8.7	20.9
2 21	10 51.72	+ 2 50.3	1.692	2.666	4.5	20.7
3 2	10 41.47	+ 2 56.1	1.677	2.666	1.9	20.5
3 12	10 31.40	+ 3 5.8	1.691	2.665	5.3	20.7
3 22	10 22.57	+ 3 15.2	1.733	2.664	9.5	20.9
4 1	10 15.85	+ 3 20.5	1.800	2.664	13.2	21.2

340779 2006 SD_{379} 2 28.8 93°.40 0°.8/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.33	+ 2 27.1	2.492	3.259	12.4	21.4
2 1	11 1.51	+ 2 56.9	2.413	3.274	9.7	21.2
2 11	10 56.03	+ 3 39.3	2.357	3.290	6.6	21.0
2 21	10 49.36	+ 4 31.4	2.328	3.304	3.2	20.8
3 2	10 42.16	+ 5 28.7	2.329	3.319	0.9	20.7
3 12	10 35.17	+ 6 26.2	2.360	3.334	4.1	20.9
3 22	10 29.05	+ 7 19.2	2.421	3.348	7.3	21.2
4 1	10 24.37	+ 8 3.7	2.507	3.362	10.2	21.4

31339 1998 KY_{30} 2 28.8 20°.59 8°.1/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.23	+28 2.8	1.810	2.636	14.0	17.7
2 1	11 4.64	+29 22.9	1.756	2.644	11.4	17.5
2 11	10 58.52	+30 38.3	1.725	2.652	9.1	17.4
2 21	10 50.57	+31 39.7	1.720	2.661	8.1	17.4
3 2	10 41.84	+32 18.9	1.740	2.671	9.1	17.4
3 12	10 33.56	+32 31.1	1.786	2.681	11.3	17.6
3 22	10 26.77	+32 16.3	1.854	2.692	13.9	17.8
4 1	10 22.23	+31 37.0	1.942	2.703	16.2	18.0

247927 2003 WR_{101} 2 28.8 185°.84 1°.7/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.96	+ 0 16.3	2.058	2.819	14.9	21.5
2 1	11 5.61	+ 0 33.7	1.963	2.819	11.9	21.3
2 11	10 59.06	+ 1 8.0	1.891	2.818	8.4	21.1
2 21	10 50.84	+ 1 56.8	1.844	2.817	4.5	20.9
3 2	10 41.74	+ 2 55.8	1.827	2.815	1.8	20.7
3 12	10 32.77	+ 3 58.6	1.839	2.813	4.9	20.9
3 22	10 24.87	+ 4 58.9	1.879	2.810	8.9	21.1
4 1	10 18.81	+ 5 51.2	1.945	2.806	12.4	21.3

420581 2012 HG_{27} 2 28.8 327°.06 6°.1/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.44	+17 18.8	1.521	2.358	15.7	20.5
2 1	11 2.26	+19 1.2	1.443	2.347	12.2	20.3
2 11	10 57.34	+20 54.5	1.387	2.336	8.5	20.0
2 21	10 50.21	+22 47.6	1.356	2.326	6.2	19.9
3 2	10 41.90	+24 28.0	1.352	2.317	7.4	19.9
3 12	10 33.75	+25 44.8	1.374	2.308	10.9	20.1
3 22	10 27.01	+26 32.2	1.418	2.300	14.8	20.3
4 1	10 22.69	+26 48.9	1.482	2.292	18.3	20.5

74619 1999 RM_{25} 2 28.8 127°.21 0°.7/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 11.89	+ 6 53.7	2.049	2.831	14.3	21.0
2 1	11 6.91	+ 7 32.7	1.975	2.849	11.0	20.8
2 11	10 59.77	+ 8 23.8	1.925	2.866	7.3	20.6
2 21	10 51.08	+ 9 22.3	1.902	2.882	3.1	20.4
3 2	10 41.70	+10 21.9	1.908	2.897	1.4	20.3
3 12	10 32.64	+11 16.5	1.945	2.912	5.4	20.6
3 22	10 24.79	+12 0.9	2.009	2.926	9.2	20.9
4 1	10 18.84	+12 32.2	2.099	2.940	12.5	21.1

369389 2009 VS_{33} 2 28.8 111°.27 3°.8/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.90	− 5 16.7	2.170	2.903	15.0	21.4
2 1	11 4.56	− 5 24.8	2.087	2.917	12.3	21.3
2 11	10 58.21	− 5 14.7	2.025	2.931	9.2	21.1
2 21	10 50.40	− 4 47.3	1.989	2.945	6.0	20.9
3 2	10 41.89	− 4 5.2	1.980	2.958	3.9	20.8
3 12	10 33.61	− 3 13.3	2.001	2.971	5.1	20.9
3 22	10 26.39	− 2 17.6	2.050	2.983	8.1	21.1
4 1	10 20.89	− 1 23.7	2.124	2.995	11.1	21.3

436974 2012 TU_{184} 2 28.8 1°.67 4°.7/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.33	− 7 24.2	2.050	2.785	15.7	20.7
2 1	11 1.29	− 7 35.7	1.956	2.784	13.1	20.5
2 11	10 56.20	− 7 26.6	1.883	2.784	10.1	20.3
2 21	10 49.56	− 6 57.0	1.834	2.784	7.0	20.2
3 2	10 42.12	− 6 9.0	1.812	2.785	4.8	20.0
3 12	10 34.79	− 5 7.7	1.817	2.785	5.6	20.1
3 22	10 28.47	− 3 59.7	1.849	2.787	8.5	20.2
4 1	10 23.86	− 2 52.0	1.907	2.788	11.7	20.4

492678 2014 PW_{33} 2 28.8 152°.62 1°.8/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.15	+10 18.0	2.022	2.813	14.1	22.6
2 1	11 7.25	+10 59.5	1.942	2.822	10.9	22.4
2 11	11 0.09	+11 50.9	1.886	2.830	7.1	22.2
2 21	10 51.27	+12 47.0	1.857	2.837	3.2	21.9
3 2	10 41.66	+13 41.1	1.858	2.844	2.4	21.9
3 12	10 32.31	+14 27.1	1.888	2.850	6.1	22.1
3 22	10 24.19	+15 0.4	1.946	2.856	9.9	22.4
4 1	10 18.02	+15 18.9	2.029	2.860	13.2	22.6

207840 2007 UA_{55} 2 28.8 233°.82 0°.6/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.27	+ 3 41.6	2.447	3.218	12.5	21.3
2 1	11 2.43	+ 4 0.8	2.347	3.212	9.9	21.1
2 11	10 56.79	+ 4 32.2	2.270	3.205	6.7	20.9
2 21	10 49.79	+ 5 13.2	2.221	3.198	3.2	20.7
3 2	10 42.07	+ 5 59.8	2.201	3.191	0.9	20.5
3 12	10 34.45	+ 6 47.1	2.211	3.184	4.3	20.7
3 22	10 27.65	+ 7 30.4	2.250	3.177	7.8	20.9
4 1	10 22.34	+ 8 6.1	2.314	3.169	11.0	21.1

39065 2000 UY_{111} 2 28.8 208°.07 4°.2/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.15	+18 55.9	2.358	3.162	11.9	19.7
2 1	11 5.57	+19 56.7	2.271	3.157	9.2	19.5
2 11	10 58.94	+21 1.2	2.210	3.151	6.4	19.3
2 21	10 50.76	+22 2.9	2.177	3.145	4.4	19.2
3 2	10 41.80	+22 55.4	2.173	3.138	5.0	19.2
3 12	10 32.99	+23 33.1	2.198	3.130	7.5	19.3
3 22	10 25.19	+23 53.2	2.250	3.123	10.4	19.5
4 1	10 19.12	+23 55.0	2.326	3.114	13.1	19.7

474753 2005 QM_{25} 2 28.8 273°.64 2°.9/25.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.43	+16 28.8	2.611	3.406	11.2	21.9
2 1	11 5.69	+16 58.7	2.499	3.380	8.7	21.7
2 11	10 59.00	+17 32.5	2.412	3.354	5.9	21.5
2 21	10 50.81	+18 5.8	2.353	3.328	3.4	21.3
3 2	10 41.77	+18 33.7	2.324	3.301	3.5	21.3
3 12	10 32.74	+18 51.8	2.325	3.273	6.2	21.4
3 22	10 24.52	+18 57.2	2.355	3.246	9.3	21.5
4 1	10 17.83	+18 48.8	2.409	3.218	12.1	21.7

170286 2003 RT_{6} 2 28.8 159°.24 2°.5/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.58	− 0 34.3	1.907	2.666	16.0	20.7
2 1	11 6.99	− 0 37.3	1.818	2.671	12.9	20.5
2 11	11 0.04	− 0 23.1	1.752	2.675	9.2	20.3
2 21	10 51.30	+ 0 6.6	1.710	2.680	5.2	20.0
3 2	10 41.65	+ 0 48.3	1.697	2.683	2.5	19.9
3 12	10 32.20	+ 1 36.1	1.712	2.686	5.3	20.0
3 22	10 23.96	+ 2 24.0	1.756	2.689	9.2	20.3
4 1	10 17.74	+ 3 6.2	1.824	2.691	12.9	20.5

346839 2009 DW_{51} 2 28.8 117°.78 1°.4/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.33	+ 9 33.4	2.607	3.395	11.4	21.6
2 1	11 2.23	+10 28.0	2.532	3.410	8.7	21.5
2 11	10 56.50	+11 31.1	2.482	3.426	5.7	21.3
2 21	10 49.60	+12 38.1	2.460	3.441	2.5	21.1
3 2	10 42.18	+13 43.6	2.470	3.455	2.0	21.1
3 12	10 34.97	+14 42.4	2.509	3.470	5.0	21.3
3 22	10 28.62	+15 30.7	2.578	3.483	7.9	21.5
4 1	10 23.69	+16 6.0	2.672	3.497	10.6	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
261296 2005 UF_{177}			2 28.8 197°.38		0°.4/28.4 17	
	h m	° ′			°	m
1 22	11 9.18	+ 6 52.3	2.070	2.856	14.0	21.3
2 1	11 4.99	+ 7 17.7	1.979	2.855	10.9	21.0
2 11	10 58.65	+ 7 55.1	1.911	2.853	7.3	20.8
2 21	10 50.67	+ 8 40.7	1.870	2.851	3.2	20.6
3 2	10 41.86	+ 9 29.1	1.858	2.848	1.2	20.4
3 12	10 33.21	+10 14.5	1.876	2.846	5.4	20.7
3 22	10 25.62	+10 51.7	1.921	2.843	9.3	20.9
4 1	10 19.87	+11 17.4	1.990	2.839	12.7	21.1
241509 Sessler			2 28.8 284°.61		0°.2/28.6 17	
1 22	11 6.20	+ 6 18.2	2.290	3.074	12.9	21.6
2 1	11 2.62	+ 6 41.4	2.181	3.055	10.1	21.4
2 11	10 57.07	+ 7 16.4	2.096	3.036	6.8	21.1
2 21	10 49.99	+ 8 0.0	2.037	3.017	3.0	20.9
3 2	10 42.05	+ 8 47.6	2.008	2.998	1.0	20.6
3 12	10 34.11	+ 9 33.9	2.008	2.979	5.0	20.9
3 22	10 27.02	+10 13.9	2.036	2.959	8.7	21.1
4 1	10 21.52	+10 43.9	2.089	2.940	12.1	21.3
246938 1999 RU_{17}			2 28.8 256°.56		0°.2/28.7 17	
1 22	11 15.06	+ 7 48.6	1.892	2.675	15.2	20.9
2 1	11 10.04	+ 7 48.9	1.782	2.655	12.1	20.6
2 11	11 2.34	+ 7 59.9	1.695	2.634	8.2	20.3
2 21	10 52.48	+ 8 18.5	1.633	2.613	3.7	20.0
3 2	10 41.33	+ 8 40.0	1.601	2.591	1.2	19.8
3 12	10 30.12	+ 8 59.2	1.598	2.569	6.0	20.0
3 22	10 20.06	+ 9 11.5	1.623	2.546	10.6	20.3
4 1	10 12.16	+ 9 13.6	1.672	2.522	14.7	20.4
205245 2000 QR_{192}			2 28.8 209°.94		2°.4/26.5 18	
1 22	11 11.97	+11 29.7	2.044	2.838	13.8	21.5
2 1	11 7.30	+12 22.8	1.949	2.831	10.7	21.3
2 11	11 0.29	+13 26.4	1.878	2.823	7.1	21.0
2 21	10 51.45	+14 34.8	1.835	2.815	3.4	20.8
3 2	10 41.64	+15 40.6	1.822	2.805	3.1	20.8
3 12	10 31.93	+16 36.8	1.838	2.795	6.8	21.0
3 22	10 23.33	+17 18.2	1.881	2.783	10.6	21.2
4 1	10 16.69	+17 42.3	1.949	2.771	14.0	21.4
214638 2006 SY_{19}			2 28.8 185°.67		1°.4/27.1 17	
1 22	11 7.13	+11 15.1	2.901	3.686	10.4	21.2
2 1	11 2.75	+11 46.4	2.809	3.686	8.0	21.0
2 11	10 56.82	+12 24.0	2.743	3.686	5.2	20.9
2 21	10 49.76	+13 4.1	2.705	3.685	2.4	20.7
3 2	10 42.14	+13 42.9	2.697	3.683	1.9	20.6
3 12	10 34.65	+14 16.4	2.721	3.681	4.6	20.8
3 22	10 27.91	+14 41.5	2.773	3.679	7.5	21.0
4 1	10 22.47	+14 56.5	2.852	3.676	10.0	21.1
169272 2001 SM_{210}			2 28.8 22°.58		4°.9/25.7 18	
1 22	11 13.27	+20 10.2	1.577	2.399	16.0	18.9
2 1	11 8.58	+20 24.9	1.518	2.413	12.4	18.7
2 11	11 1.13	+20 39.8	1.482	2.428	8.5	18.5
2 21	10 51.74	+20 47.9	1.471	2.443	5.4	18.3
3 2	10 41.61	+20 43.2	1.486	2.460	5.5	18.4
3 12	10 32.12	+20 21.7	1.528	2.478	8.6	18.6
3 22	10 24.37	+19 43.2	1.595	2.496	12.2	18.8
4 1	10 19.12	+18 49.6	1.685	2.516	15.5	19.1
469055 2015 AP_{274}			2 28.8 199°.10		2°.3/26.6 17	
1 22	11 8.97	+12 31.3	2.159	2.959	13.0	21.6
2 1	11 4.75	+13 10.0	2.073	2.958	10.0	21.4
2 11	10 58.44	+13 56.4	2.010	2.956	6.6	21.2
2 21	10 50.56	+14 45.5	1.975	2.954	3.2	20.9
3 2	10 41.91	+15 31.4	1.969	2.952	2.9	20.9
3 12	10 33.44	+16 8.3	1.992	2.950	6.2	21.1
3 22	10 26.03	+16 32.6	2.042	2.948	9.7	21.3
4 1	10 20.39	+16 42.2	2.117	2.945	12.8	21.5
15175 6113 *P–L*			2 28.8 239°.14		0°.1/28.9 17	
1 22	11 9.31	+ 5 24.5	2.022	2.805	14.4	19.4
2 1	11 5.25	+ 5 46.1	1.922	2.795	11.3	19.2
2 11	10 58.94	+ 6 21.1	1.845	2.784	7.6	18.9
2 21	10 50.86	+ 7 6.5	1.794	2.774	3.5	18.6
3 2	10 41.82	+ 7 56.9	1.772	2.763	0.9	18.4
3 12	10 32.85	+ 8 46.3	1.779	2.751	5.4	18.7
3 22	10 24.92	+ 9 29.0	1.814	2.739	9.5	18.9
4 1	10 18.86	+10 0.8	1.873	2.727	13.2	19.1
352304 2007 UT_{5}			2 28.8 0°.61		14°.4/17.0 17	
1 22	11 1.76	−30 48.4	1.855	2.442	21.4	19.5
2 1	11 0.01	−32 20.3	1.770	2.439	20.0	19.4
2 11	10 55.77	−33 20.7	1.698	2.438	18.4	19.2
2 21	10 49.54	−33 43.3	1.640	2.438	16.8	19.1
3 2	10 42.18	−33 23.5	1.600	2.439	15.4	19.0
3 12	10 34.88	−32 21.7	1.580	2.441	14.5	18.9
3 22	10 28.79	−30 43.3	1.580	2.444	14.5	18.9
4 1	10 24.86	−28 38.2	1.601	2.448	15.4	19.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
267445 2002 CJ_{304}			2 28.8 52°.41		1°.0/29.6 18	
	h m	° ′			°	m
1 22	11 9.50	+ 3 59.3	1.714	2.502	16.4	20.6
2 1	11 5.51	+ 4 2.0	1.640	2.514	12.9	20.4
2 11	10 59.09	+ 4 19.6	1.588	2.526	8.8	20.2
2 21	10 50.88	+ 4 49.1	1.560	2.538	4.2	20.0
3 2	10 41.85	+ 5 25.5	1.561	2.551	1.2	19.8
3 12	10 33.15	+ 6 2.7	1.589	2.564	5.5	20.1
3 22	10 25.81	+ 6 34.9	1.643	2.576	9.7	20.4
4 1	10 20.62	+ 6 58.0	1.722	2.590	13.5	20.6
170259 2003 QJ_{56}			2 28.8 232°.89		2°.2/26.9 17	
1 22	11 12.78	+11 28.0	2.002	2.796	14.1	20.9
2 1	11 8.05	+12 6.4	1.901	2.782	11.0	20.7
2 11	11 0.87	+12 54.7	1.823	2.768	7.3	20.4
2 21	10 51.76	+13 47.9	1.773	2.753	3.4	20.2
3 2	10 41.57	+14 39.2	1.752	2.737	2.8	20.1
3 12	10 31.42	+15 21.9	1.760	2.720	6.7	20.3
3 22	10 22.39	+15 51.3	1.795	2.702	10.7	20.5
4 1	10 15.37	+16 4.6	1.855	2.684	14.3	20.7
330054 2005 UY_{376}			2 28.8 288°.96		8°.0/ 6.5 17	
1 22	11 6.59	−13 40.7	1.892	2.593	17.9	21.0
2 1	11 3.60	−14 23.0	1.775	2.569	15.7	20.8
2 11	10 58.15	−14 41.6	1.676	2.545	13.0	20.5
2 21	10 50.65	−14 32.9	1.599	2.520	10.3	20.3
3 2	10 41.87	−13 55.2	1.546	2.496	8.3	20.1
3 12	10 32.89	−12 51.4	1.519	2.471	8.4	20.1
3 22	10 24.87	−11 28.1	1.518	2.447	10.8	20.1
4 1	10 18.82	− 9 54.8	1.541	2.422	14.0	20.3
306833 2001 RJ_{143}			2 28.8 230°.28		1°.3/ 1.0 17	
1 22	11 11.59	+ 2 34.8	2.324	3.082	13.5	22.1
2 1	11 6.75	+ 2 36.9	2.213	3.069	10.8	21.8
2 11	10 59.81	+ 2 51.5	2.126	3.055	7.5	21.6
2 21	10 51.24	+ 3 16.7	2.066	3.040	3.9	21.3
3 2	10 41.74	+ 3 49.5	2.035	3.024	1.4	21.1
3 12	10 32.25	+ 4 25.2	2.035	3.008	4.7	21.3
3 22	10 23.66	+ 4 59.2	2.064	2.991	8.4	21.5
4 1	10 16.73	+ 5 27.4	2.119	2.973	11.8	21.7
203581 2002 CK_{222}			2 28.8 73°.67		1°.2/27.9 18	
1 22	11 11.67	+ 7 6.2	1.419	2.226	18.2	20.5
2 1	11 7.54	+ 7 52.7	1.362	2.249	14.0	20.3
2 11	11 0.57	+ 8 55.6	1.325	2.272	9.2	20.1
2 21	10 51.55	+10 7.9	1.313	2.294	4.0	19.9
3 2	10 41.70	+11 20.2	1.328	2.317	2.1	19.8
3 12	10 32.41	+12 23.3	1.370	2.339	7.0	20.1
3 22	10 24.87	+13 10.7	1.438	2.362	11.6	20.5
4 1	10 19.87	+13 39.3	1.528	2.383	15.5	20.8
219728 2001 XA_{132}			2 28.8 209°.70		4°.3/ 3.8 17	
1 22	11 8.08	− 5 54.0	2.047	2.783	15.7	20.5
2 1	11 4.24	− 6 6.8	1.949	2.780	13.1	20.3
2 11	10 58.23	− 6 0.2	1.873	2.778	9.9	20.1
2 21	10 50.54	− 5 34.2	1.820	2.775	6.6	19.9
3 2	10 41.95	− 4 51.0	1.795	2.772	4.4	19.8
3 12	10 33.45	− 3 55.4	1.799	2.768	5.6	19.8
3 22	10 25.98	− 2 54.0	1.829	2.765	8.8	20.0
4 1	10 20.31	− 1 53.3	1.886	2.761	12.1	20.2
130406 2000 OF_{25}			2 28.8 158°.49		1°.9/ 2.1 18	
1 22	11 8.30	− 0 19.3	3.074	3.810	10.9	19.8
2 1	11 3.52	− 0 23.5	2.978	3.817	8.8	19.7
2 11	10 57.27	− 0 17.2	2.906	3.823	6.3	19.5
2 21	10 49.96	− 0 1.6	2.863	3.829	3.6	19.3
3 2	10 42.14	+ 0 21.2	2.850	3.835	1.9	19.2
3 12	10 34.43	+ 0 48.1	2.868	3.840	3.6	19.3
3 22	10 27.44	+ 1 15.9	2.916	3.844	6.2	19.5
4 1	10 21.67	+ 1 41.4	2.992	3.848	8.7	19.7
406339 2007 RE_{64}			2 28.8 312°.28		0°.6/28.4 15	
1 22	11 8.59	+ 7 29.8	1.324	2.143	18.7	21.5
2 1	11 5.94	+ 7 40.4	1.232	2.126	14.8	21.2
2 11	11 0.12	+ 8 7.5	1.160	2.108	10.0	20.9
2 21	10 51.64	+ 8 47.1	1.110	2.092	4.5	20.5
3 2	10 41.60	+ 9 31.9	1.086	2.076	1.7	20.3
3 12	10 31.59	+10 13.1	1.086	2.060	7.6	20.6
3 22	10 23.12	+10 43.1	1.111	2.045	13.2	20.9
4 1	10 17.45	+10 56.8	1.156	2.031	18.1	21.1
205760 2002 CN_{34}			2 28.8 88°.46		1°.7/27.7 18	
1 22	11 15.45	+10 52.6	1.509	2.314	17.4	20.3
2 1	11 10.47	+11 6.1	1.439	2.326	13.5	20.1
2 11	11 2.56	+11 30.0	1.392	2.338	8.9	19.9
2 21	10 52.48	+11 58.5	1.369	2.350	4.0	19.6
3 2	10 41.44	+12 24.8	1.373	2.361	2.4	19.5
3 12	10 30.89	+12 42.7	1.405	2.373	7.1	19.8
3 22	10 22.07	+12 48.1	1.463	2.384	11.7	20.1
4 1	10 15.88	+12 39.3	1.543	2.395	15.6	20.4

155600 2000 CC_{81} 2 28.8 106°.49 0°.6/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 11.40	+ 5 21.8	1.505	2.304	17.8	20.5
2 1	11 7.32	+ 6 10.4	1.437	2.319	13.8	20.3
2 11	11 0.47	+ 7 17.4	1.389	2.334	9.1	20.1
2 21	10 51.55	+ 8 36.6	1.367	2.348	4.0	19.8
3 2	10 41.69	+ 9 58.9	1.372	2.362	1.6	19.7
3 12	10 32.25	+11 14.6	1.405	2.376	6.7	20.0
3 22	10 24.40	+12 16.1	1.464	2.389	11.4	20.3
4 1	10 19.02	+12 59.1	1.546	2.402	15.4	20.6

338817 2003 WG_{61} 2 28.8 104°.10 0°.1/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.92	+ 5 5.5	1.363	2.165	19.1	21.6
2 1	11 8.82	+ 5 32.5	1.294	2.177	15.0	21.4
2 11	11 1.64	+ 6 18.6	1.246	2.189	10.0	21.1
2 21	10 52.14	+ 7 18.3	1.220	2.201	4.5	20.8
3 2	10 41.55	+ 8 23.5	1.222	2.212	1.3	20.6
3 12	10 31.40	+ 9 24.6	1.250	2.223	6.9	21.0
3 22	10 23.03	+10 13.7	1.303	2.234	12.0	21.3
4 1	10 17.40	+10 46.2	1.378	2.244	16.3	21.6

419241 2009 VW_{41} 2 28.8 60°.38 1°.8/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.13	+ 9 38.2	1.769	2.575	15.2	21.2
2 1	11 4.36	+10 24.1	1.704	2.592	11.7	21.0
2 11	10 58.27	+11 21.5	1.661	2.608	7.6	20.8
2 21	10 50.51	+12 24.3	1.644	2.625	3.4	20.6
3 2	10 42.02	+13 25.0	1.655	2.642	2.5	20.6
3 12	10 33.90	+14 16.6	1.695	2.659	6.4	20.9
3 22	10 27.12	+14 54.3	1.760	2.676	10.4	21.1
4 1	10 22.39	+15 15.4	1.849	2.693	13.8	21.4

431915 2008 TV_{56} 2 28.8 100°.41 0°.5/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.20	+ 4 1.6	2.110	2.890	14.0	22.1
2 1	11 3.36	+ 4 24.6	2.026	2.896	11.0	21.9
2 11	10 57.50	+ 5 1.1	1.965	2.903	7.4	21.7
2 21	10 50.16	+ 5 48.0	1.931	2.909	3.5	21.5
3 2	10 42.10	+ 6 40.1	1.925	2.915	0.9	21.3
3 12	10 34.24	+ 7 31.8	1.948	2.921	4.8	21.6
3 22	10 27.43	+ 8 17.7	2.000	2.928	8.6	21.8
4 1	10 22.34	+ 8 53.7	2.076	2.934	11.9	22.0

212326 2005 SU_{26} 2 28.8 230°.59 0°.8/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.54	+ 8 39.1	2.787	3.570	10.8	21.1
2 1	11 1.67	+ 9 12.2	2.687	3.562	8.4	20.9
2 11	10 56.21	+ 9 53.6	2.611	3.554	5.5	20.7
2 21	10 49.55	+10 40.1	2.564	3.545	2.4	20.5
3 2	10 42.27	+11 27.5	2.548	3.536	1.4	20.4
3 12	10 35.07	+12 11.4	2.561	3.527	4.5	20.6
3 22	10 28.60	+12 48.0	2.604	3.517	7.5	20.8
4 1	10 23.42	+13 14.6	2.672	3.508	10.3	20.9

213101 1999 VU_{195} 2 28.8 99°.14 4°.0/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.23	+14 50.1	1.692	2.506	15.4	20.3
2 1	11 6.95	+15 57.9	1.628	2.521	11.8	20.1
2 11	11 0.09	+17 13.7	1.587	2.535	7.9	19.9
2 21	10 51.35	+18 29.1	1.572	2.548	4.5	19.7
3 2	10 41.79	+19 35.1	1.586	2.562	4.8	19.8
3 12	10 32.64	+20 24.3	1.627	2.575	8.3	20.0
3 22	10 24.98	+20 52.7	1.693	2.588	12.0	20.2
4 1	10 19.60	+20 59.8	1.781	2.601	15.3	20.5

52421 Daihoji 2 28.8 154°.55 6°.6/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.61	+30 40.4	2.834	3.636	10.2	19.7
2 1	11 4.17	+32 11.5	2.774	3.643	8.4	19.6
2 11	10 57.90	+33 38.1	2.741	3.649	7.0	19.5
2 21	10 50.31	+34 53.5	2.737	3.655	6.6	19.5
3 2	10 42.08	+35 51.7	2.760	3.660	7.5	19.6
3 12	10 34.06	+36 29.1	2.811	3.665	9.1	19.7
3 22	10 26.97	+36 44.7	2.885	3.670	10.8	19.8
4 1	10 21.44	+36 39.6	2.981	3.674	12.5	19.9

400802 2010 GM_{97} 2 28.8 261°.24 1°.8/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.45	+ 9 52.2	1.544	2.353	16.9	21.5
2 1	11 7.65	+10 23.0	1.455	2.344	13.2	21.2
2 11	11 0.95	+11 7.4	1.387	2.335	8.8	20.9
2 21	10 51.91	+11 59.6	1.344	2.325	3.9	20.6
3 2	10 41.61	+12 51.8	1.328	2.316	2.7	20.5
3 12	10 31.43	+13 35.6	1.339	2.306	7.5	20.8
3 22	10 22.72	+14 5.0	1.375	2.296	12.3	21.0
4 1	10 16.51	+14 16.5	1.433	2.286	16.6	21.3

323892 2005 SD_{270} 2 28.8 201°.91 3°.6/25.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.38	+16 22.5	2.001	2.806	13.7	21.2
2 1	11 7.60	+17 0.4	1.917	2.804	10.6	21.0
2 11	11 0.45	+17 43.3	1.857	2.802	7.2	20.8
2 21	10 51.53	+18 25.1	1.824	2.800	4.1	20.6
3 2	10 41.74	+18 59.1	1.820	2.797	4.2	20.6
3 12	10 32.18	+19 19.9	1.845	2.794	7.4	20.8
3 22	10 23.88	+19 24.6	1.896	2.791	10.9	21.0
4 1	10 17.60	+19 12.5	1.970	2.788	14.1	21.2

142555 2002 TB_{58} 2 28.8 7°.31 24°.4/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	8 54.03	−63 5.3	0.479	1.143	58.8	17.0
2 1	9 24.29	−64 57.9	0.481	1.151	58.1	17.0
2 11	9 55.41	−65 5.4	0.478	1.172	55.9	17.0
2 21	10 24.35	−63 22.6	0.470	1.204	52.3	16.9
3 2	10 48.80	−59 38.7	0.460	1.246	47.0	16.8
3 12	11 8.32	−53 48.2	0.454	1.296	40.2	16.6
3 22	11 23.67	−46 2.6	0.457	1.353	32.2	16.5
4 1	11 36.40	−37 3.9	0.479	1.415	24.4	16.5

500008 2011 QB_{13} 2 28.8 188°.87 2°.7/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.00	− 4 20.3	3.113	3.833	11.1	22.2
2 1	11 1.82	− 4 20.2	3.008	3.832	9.1	22.0
2 11	10 56.21	− 4 7.4	2.926	3.830	6.8	21.9
2 21	10 49.53	− 3 42.6	2.872	3.828	4.3	21.7
3 2	10 42.31	− 3 7.9	2.847	3.826	2.7	21.6
3 12	10 35.16	− 2 26.5	2.853	3.823	3.8	21.6
3 22	10 28.66	− 1 42.0	2.889	3.819	6.2	21.8
4 1	10 23.31	− 0 58.3	2.952	3.816	8.6	21.9

207608 2006 QA_{140} 2 28.8 202°.36 2°.5/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.50	− 1 21.8	2.480	3.226	13.0	20.8
2 1	11 3.36	− 1 27.8	2.381	3.224	10.5	20.6
2 11	10 57.42	− 1 20.0	2.304	3.222	7.6	20.4
2 21	10 50.13	− 0 59.8	2.254	3.220	4.5	20.2
3 2	10 42.15	− 0 29.4	2.233	3.217	2.5	20.1
3 12	10 34.25	+ 0 7.1	2.242	3.215	4.3	20.2
3 22	10 27.20	+ 0 45.3	2.279	3.212	7.4	20.4
4 1	10 21.63	+ 1 21.0	2.343	3.209	10.4	20.5

375849 2009 VL_{6} 2 28.8 178°.59 3°.0/25.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.07	+15 28.0	2.389	3.185	12.0	22.0
2 1	11 6.18	+16 13.6	2.304	3.187	9.3	21.8
2 11	10 59.30	+17 4.2	2.245	3.188	6.2	21.7
2 21	10 50.97	+17 54.6	2.213	3.189	3.5	21.5
3 2	10 41.93	+18 38.9	2.212	3.189	3.6	21.5
3 12	10 33.08	+19 12.2	2.241	3.188	6.4	21.7
3 22	10 25.25	+19 31.5	2.297	3.187	9.5	21.8
4 1	10 19.10	+19 35.6	2.378	3.186	12.3	22.0

132093 2002 CW_{181} 2 28.8 88°.78 0°.3/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.55	+ 5 45.8	1.542	2.338	17.5	20.8
2 1	11 8.08	+ 6 16.9	1.478	2.358	13.6	20.6
2 11	11 0.90	+ 7 4.1	1.435	2.378	9.0	20.4
2 21	10 51.75	+ 8 2.1	1.417	2.397	4.0	20.1
3 2	10 41.75	+ 9 3.2	1.426	2.417	1.3	20.0
3 12	10 32.24	+ 9 59.2	1.464	2.436	6.3	20.3
3 22	10 24.35	+10 43.9	1.527	2.454	10.9	20.7
4 1	10 18.88	+11 13.2	1.614	2.472	14.7	20.9

193803 2001 PF_{19} 2 28.8 42°.54 5°.8/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.18	+17 32.3	1.356	2.187	17.6	20.0
2 1	11 8.50	+18 39.9	1.288	2.189	13.7	19.7
2 11	11 1.59	+19 55.1	1.242	2.191	9.4	19.5
2 21	10 52.20	+21 7.5	1.220	2.193	6.1	19.3
3 2	10 41.61	+22 5.5	1.223	2.195	6.7	19.4
3 12	10 31.44	+22 40.3	1.252	2.197	10.5	19.6
3 22	10 23.12	+22 48.3	1.304	2.200	14.8	19.8
4 1	10 17.66	+22 30.3	1.375	2.203	18.5	20.1

352775 2008 UE_{70} 2 28.8 89°.10 3°.1/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.47	+12 4.2	1.466	2.281	17.4	21.3
2 1	11 8.96	+12 58.9	1.407	2.299	13.3	21.1
2 11	11 1.56	+14 4.7	1.369	2.318	8.7	20.9
2 21	10 52.06	+15 13.4	1.356	2.336	4.3	20.7
3 2	10 41.67	+16 15.4	1.370	2.354	3.9	20.7
3 12	10 31.83	+17 2.5	1.412	2.371	8.1	21.0
3 22	10 23.75	+17 30.2	1.478	2.389	12.4	21.3
4 1	10 18.27	+17 37.2	1.567	2.405	16.1	21.6

297899 2002 CK_{239} 2 28.8 32°.54 1°.4/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.61	+ 0 42.6	1.133	1.949	21.3	19.7
2 1	11 2.77	+ 1 16.3	1.074	1.963	16.9	19.4
2 11	10 57.80	+ 2 17.9	1.034	1.978	11.6	19.2
2 21	10 50.48	+ 3 42.0	1.016	1.994	5.7	18.9
3 2	10 42.10	+ 5 18.2	1.021	2.012	1.5	18.7
3 12	10 34.24	+ 6 53.6	1.052	2.030	6.9	19.1
3 22	10 28.22	+ 8 16.6	1.105	2.049	12.2	19.4
4 1	10 24.96	+ 9 19.5	1.180	2.068	16.9	19.7

142556 2002 TK_{58} 2 28.8 251°.10 2°.2/27.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.59	+12 49.6	1.988	2.783	14.2	20.5
2 1	11 9.53	+13 10.8	1.884	2.765	11.1	20.3
2 11	11 1.93	+13 39.6	1.803	2.747	7.4	20.0
2 21	10 52.31	+14 11.1	1.749	2.728	3.6	19.7
3 2	10 41.56	+14 39.4	1.724	2.709	2.9	19.6
3 12	10 30.82	+14 58.7	1.728	2.689	6.7	19.8
3 22	10 21.24	+15 5.3	1.760	2.668	10.8	20.0
4 1	10 13.74	+14 57.4	1.816	2.647	14.5	20.2

270460 2002 CF_{270} 2 28.8 302°.75 0°.8/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 9.96	+ 5 27.7	1.811	2.600	15.6	20.8
2 1	11 6.08	+ 5 20.9	1.712	2.586	12.4	20.6
2 11	10 59.69	+ 5 26.5	1.634	2.573	8.5	20.3
2 21	10 51.32	+ 5 42.3	1.581	2.560	4.1	20.0
3 2	10 41.85	+ 6 4.2	1.556	2.547	1.1	19.8
3 12	10 32.43	+ 6 27.0	1.560	2.534	5.6	20.0
3 22	10 24.18	+ 6 45.7	1.590	2.522	10.1	20.3
4 1	10 18.02	+ 6 56.2	1.643	2.509	14.1	20.5

189458 1999 RO_{31} 2 28.8 145°.07 1°.6/27.1 18

1 22	11 8.19	+ 9 56.7	2.377	3.166	12.3	21.1
2 1	11 3.91	+10 46.5	2.296	3.175	9.4	20.9
2 11	10 57.78	+11 45.4	2.240	3.184	6.2	20.7
2 21	10 50.29	+12 48.6	2.212	3.192	2.8	20.5
3 2	10 42.17	+13 50.4	2.214	3.200	2.2	20.5
3 12	10 34.24	+14 45.0	2.246	3.207	5.4	20.7
3 22	10 27.28	+15 28.4	2.306	3.213	8.7	20.9
4 1	10 21.90	+15 58.0	2.392	3.220	11.6	21.1

462053 2007 EY_{21} 2 28.8 332°.97 5°.3/25.1 17

1 22	11 13.01	+20 1.6	1.634	2.454	15.6	20.9
2 1	11 8.70	+20 33.9	1.553	2.447	12.2	20.6
2 11	11 1.52	+21 8.4	1.495	2.440	8.6	20.4
2 21	10 52.13	+21 37.4	1.462	2.433	5.7	20.2
3 2	10 41.65	+21 52.8	1.455	2.427	6.0	20.2
3 12	10 31.47	+21 49.2	1.476	2.421	9.3	20.4
3 22	10 22.88	+21 24.7	1.521	2.416	13.1	20.6
4 1	10 16.80	+20 40.3	1.587	2.411	16.6	20.8

331947 2004 TS_{256} 2 28.8 212°.61 0°.7/28.2 17

1 22	11 9.70	+ 8 3.4	2.320	3.102	12.8	21.4
2 1	11 5.23	+ 8 26.8	2.222	3.096	10.0	21.2
2 11	10 58.76	+ 9 0.0	2.149	3.090	6.6	21.0
2 21	10 50.78	+ 9 39.6	2.103	3.084	2.9	20.8
3 2	10 42.02	+10 20.7	2.087	3.077	1.3	20.6
3 12	10 33.37	+10 58.4	2.101	3.069	5.1	20.9
3 22	10 25.66	+11 28.4	2.144	3.061	8.7	21.1
4 1	10 19.59	+11 47.8	2.211	3.053	11.9	21.3

381908 2010 CU_{24} 2 28.8 239°.43 1°.5/27.2 17

1 22	11 5.92	+ 8 56.1	2.209	3.004	12.9	21.5
2 1	11 2.43	+ 9 49.9	2.116	2.998	10.0	21.3
2 11	10 56.97	+10 55.4	2.047	2.992	6.5	21.0
2 21	10 50.00	+12 7.5	2.005	2.986	2.9	20.8
3 2	10 42.24	+13 20.0	1.993	2.980	2.2	20.7
3 12	10 34.59	+14 26.0	2.011	2.974	5.7	20.9
3 22	10 27.88	+15 20.4	2.056	2.967	9.4	21.1
4 1	10 22.81	+15 59.7	2.126	2.961	12.6	21.3

199942 2007 GQ_{65} 2 28.8 147°.40 1°.3/27.9 18

1 22	11 13.13	+ 8 46.3	1.527	2.331	17.3	20.9
2 1	11 8.82	+ 9 10.8	1.449	2.335	13.5	20.6
2 11	11 1.61	+ 9 48.8	1.392	2.338	8.9	20.4
2 21	10 52.19	+10 35.1	1.360	2.341	3.9	20.1
3 2	10 41.66	+11 22.1	1.355	2.344	2.1	20.0
3 12	10 31.44	+12 2.0	1.377	2.346	7.0	20.3
3 22	10 22.80	+12 29.3	1.425	2.348	11.8	20.5
4 1	10 16.70	+12 40.7	1.495	2.350	15.9	20.8

413476 2005 GS_{180} 2 28.8 336°.62 1°.9/27.5 16

1 22	11 6.83	+ 9 10.2	1.381	2.204	17.8	21.2
2 1	11 4.31	+ 9 46.1	1.299	2.196	13.9	21.0
2 11	10 58.85	+10 38.0	1.237	2.188	9.2	20.7
2 21	10 51.04	+11 39.7	1.200	2.182	4.1	20.4
3 2	10 41.97	+12 42.3	1.187	2.176	2.7	20.3
3 12	10 33.10	+13 36.1	1.201	2.170	7.8	20.5
3 22	10 25.77	+14 14.0	1.239	2.165	12.8	20.8
4 1	10 21.02	+14 32.0	1.297	2.161	17.2	21.0

246362 2007 TB_{367} 2 28.8 75°.89 6°.5/22.6 18

1 22	11 13.77	+27 32.9	2.225	3.031	12.5	20.1
2 1	11 8.39	+28 22.7	2.164	3.042	10.0	19.9
2 11	11 0.79	+29 8.0	2.128	3.053	7.8	19.8
2 21	10 51.63	+29 41.8	2.119	3.064	6.5	19.8
3 2	10 41.86	+29 58.1	2.138	3.076	7.2	19.8
3 12	10 32.53	+29 53.7	2.185	3.087	9.2	20.0
3 22	10 24.55	+29 28.5	2.256	3.098	11.6	20.1
4 1	10 18.57	+28 44.6	2.350	3.109	13.8	20.3

314678 2006 QJ_{114} 2 28.8 223°.69 3°.2/ 2.7 16

1 22	11 9.33	− 3 5.2	1.985	2.734	15.7	21.7
2 1	11 5.37	− 3 3.2	1.883	2.727	12.9	21.5
2 11	10 59.11	− 2 42.0	1.801	2.718	9.4	21.3
2 21	10 51.05	− 2 2.5	1.745	2.709	5.7	21.0
3 2	10 41.98	− 1 8.0	1.716	2.700	3.2	20.8
3 12	10 32.95	− 0 4.2	1.716	2.690	5.3	21.0
3 22	10 24.96	+ 1 1.9	1.745	2.680	9.1	21.2
4 1	10 18.86	+ 2 3.6	1.798	2.669	12.8	21.4

470687 2008 SA_{290} 2 28.8 53°.42 1°.0/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 9.15	+ 9 25.3	2.058	2.852	13.8	21.5
2 1	11 4.98	+ 9 44.8	1.973	2.853	10.7	21.3
2 11	10 58.68	+10 13.7	1.911	2.855	7.0	21.1
2 21	10 50.77	+10 48.0	1.875	2.856	3.1	20.9
3 2	10 42.09	+11 22.5	1.869	2.858	1.7	20.8
3 12	10 33.61	+11 51.9	1.891	2.859	5.6	21.0
3 22	10 26.24	+12 12.3	1.941	2.861	9.4	21.2
4 1	10 20.70	+12 21.0	2.015	2.862	12.7	21.5

238013 2002 TF_{314} 2 28.8 209°.41 0°.9/27.8 17

1 22	11 5.19	+ 6 52.8	2.453	3.237	12.1	20.4
2 1	11 1.66	+ 7 47.6	2.358	3.234	9.4	20.2
2 11	10 56.35	+ 8 54.4	2.288	3.230	6.2	20.0
2 21	10 49.71	+10 8.8	2.246	3.226	2.7	19.8
3 2	10 42.39	+11 25.3	2.234	3.222	1.5	19.7
3 12	10 35.16	+12 37.5	2.252	3.218	5.0	19.9
3 22	10 28.76	+13 40.4	2.299	3.213	8.4	20.1
4 1	10 23.81	+14 30.1	2.371	3.208	11.4	20.3

506067 2015 MJ_{99} 2 28.8 8°.00 2°.0/26.1 17

1 22	11 2.19	+12 12.7	2.830	3.629	10.3	21.1
2 1	10 59.08	+13 5.4	2.744	3.630	7.8	20.9
2 11	10 54.50	+14 4.8	2.684	3.631	5.1	20.8
2 21	10 48.83	+15 6.5	2.653	3.632	2.6	20.6
3 2	10 42.65	+16 5.8	2.651	3.633	2.5	20.6
3 12	10 36.58	+16 57.9	2.680	3.634	5.0	20.8
3 22	10 31.23	+17 39.5	2.736	3.636	7.8	20.9
4 1	10 27.10	+18 8.4	2.817	3.638	10.2	21.1

384563 2010 FN_{100} 2 28.8 244°.49 4°.0/24.8 17

1 22	11 9.88	+19 8.0	2.344	3.150	11.9	21.4
2 1	11 5.39	+19 49.8	2.259	3.145	9.3	21.2
2 11	10 58.87	+20 34.0	2.198	3.140	6.4	21.0
2 21	10 50.85	+21 15.1	2.164	3.134	4.2	20.8
3 2	10 42.09	+21 47.2	2.160	3.129	4.6	20.9
3 12	10 33.51	+22 5.8	2.185	3.123	7.2	21.0
3 22	10 25.97	+22 8.5	2.236	3.117	10.1	21.2
4 1	10 20.14	+21 55.0	2.311	3.112	12.8	21.3

284320 2006 QK_{142} 2 28.8 163°.02 0°.2/29.1 17

1 22	11 8.96	+ 6 18.3	2.688	3.457	11.5	20.3
2 1	11 4.29	+ 6 24.9	2.595	3.461	9.0	20.2
2 11	10 57.95	+ 6 40.1	2.528	3.464	6.1	20.0
2 21	10 50.39	+ 7 1.3	2.488	3.466	2.8	19.8
3 2	10 42.23	+ 7 25.3	2.478	3.469	0.7	19.6
3 12	10 34.22	+ 7 48.5	2.500	3.471	4.1	19.9
3 22	10 27.04	+ 8 7.7	2.551	3.473	7.2	20.1
4 1	10 21.27	+ 8 20.2	2.628	3.475	10.1	20.3

345576 2006 SU_{7} 2 28.8 155°.81 0°.1/28.9 17

1 22	11 8.40	+ 6 22.4	2.610	3.383	11.8	21.2
2 1	11 3.91	+ 6 32.9	2.519	3.386	9.2	21.1
2 11	10 57.72	+ 6 52.2	2.453	3.390	6.1	20.9
2 21	10 50.29	+ 7 17.8	2.414	3.393	2.8	20.7
3 2	10 42.25	+ 7 46.2	2.406	3.396	0.7	20.5
3 12	10 34.37	+ 8 13.5	2.428	3.399	4.2	20.8
3 22	10 27.34	+ 8 36.1	2.479	3.402	7.4	21.0
4 1	10 21.75	+ 8 51.6	2.556	3.404	10.3	21.2

15273 Ruhmkorff 2 28.8 66°.52 4°.7/ 4.5 18

1 22	11 6.21	− 8 11.8	1.708	2.450	18.2	17.6
2 1	11 3.06	− 7 58.7	1.633	2.466	15.1	17.5
2 11	10 57.56	− 7 19.1	1.576	2.482	11.4	17.3
2 21	10 50.31	− 6 14.0	1.543	2.498	7.5	17.1
3 2	10 42.25	− 4 48.0	1.536	2.514	4.8	16.9
3 12	10 34.48	− 3 9.6	1.557	2.530	5.9	17.0
3 22	10 28.00	− 1 28.5	1.605	2.546	9.3	17.3
4 1	10 23.57	+ 0 6.2	1.678	2.562	12.9	17.5

118967 2000 WL_{144} 2 28.8 13°.95 6°.0/23.3 18

1 22	11 7.39	+19 44.6	1.651	2.481	15.0	18.8
2 1	11 4.26	+21 4.8	1.584	2.483	11.7	18.6
2 11	10 58.51	+22 29.6	1.540	2.485	8.3	18.4
2 21	10 50.78	+23 49.2	1.521	2.488	6.1	18.3
3 2	10 42.12	+24 54.0	1.530	2.492	7.0	18.3
3 12	10 33.78	+25 36.4	1.564	2.495	10.0	18.5
3 22	10 26.89	+25 53.2	1.621	2.500	13.4	18.7
4 1	10 22.29	+25 45.0	1.700	2.504	16.5	18.9

301586 2010 BG_{50} 2 28.8 266°.25 0°.9/27.8 17

1 22	11 4.67	+ 6 59.8	2.347	3.135	12.5	21.0
2 1	11 1.40	+ 7 52.0	2.246	3.124	9.7	20.8
2 11	10 56.27	+ 8 56.9	2.169	3.112	6.4	20.5
2 21	10 49.73	+10 10.3	2.119	3.100	2.8	20.3
3 2	10 42.41	+11 26.3	2.099	3.088	1.6	20.2
3 12	10 35.14	+12 38.4	2.109	3.076	5.2	20.4
3 22	10 28.70	+13 41.2	2.148	3.064	8.8	20.6
4 1	10 23.77	+14 30.4	2.211	3.051	12.0	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
363187 2001 TF_{232}			2 28.8 154°.87	5°.9/ 6.7 17		
	h m	° ′			°	m
1 22	11 8.42	−13 57.1	2.403	3.078	15.1	22.0
2 1	11 4.18	−14 6.3	2.308	3.086	13.0	21.8
2 11	10 58.05	−13 53.6	2.233	3.094	10.5	21.7
2 21	10 50.49	−13 18.4	2.181	3.101	8.0	21.5
3 2	10 42.21	−12 21.9	2.157	3.108	6.2	21.4
3 12	10 34.07	−11 8.5	2.161	3.113	6.2	21.4
3 22	10 26.85	− 9 44.5	2.194	3.119	8.1	21.5
4 1	10 21.23	− 8 17.2	2.253	3.123	10.6	21.7
355294 2007 RS_{161}			2 28.9 236°.58	1°.4/27.7 17		
1 22	11 11.91	+ 8 48.9	1.908	2.700	14.8	22.3
2 1	11 7.55	+ 9 26.5	1.806	2.686	11.6	22.0
2 11	11 0.69	+10 17.0	1.728	2.671	7.7	21.8
2 21	10 51.82	+11 15.7	1.675	2.656	3.4	21.5
3 2	10 41.83	+12 15.7	1.652	2.640	2.1	21.3
3 12	10 31.84	+13 9.8	1.657	2.623	6.4	21.6
3 22	10 22.99	+13 52.0	1.690	2.605	10.8	21.8
4 1	10 16.19	+14 18.7	1.747	2.587	14.6	22.0
122107 2000 HR_{92}			2 28.9 218°.54	1°.4/27.3 18		
1 22	11 10.19	+ 9 55.4	2.582	3.363	11.7	21.6
2 1	11 5.48	+10 36.0	2.477	3.351	9.0	21.4
2 11	10 58.90	+11 25.5	2.397	3.339	6.0	21.2
2 21	10 50.89	+12 19.9	2.346	3.326	2.7	20.9
3 2	10 42.11	+13 14.0	2.326	3.312	1.9	20.9
3 12	10 33.36	+14 2.7	2.336	3.298	5.2	21.1
3 22	10 25.43	+14 41.8	2.376	3.282	8.5	21.2
4 1	10 19.00	+15 8.6	2.441	3.266	11.5	21.4
343181 2009 UB_{84}			2 28.9 146°.71	1°.8/27.5 18		
1 22	11 14.56	+ 8 57.8	1.643	2.440	16.6	21.6
2 1	11 9.68	+ 9 45.2	1.568	2.451	12.8	21.4
2 11	11 2.06	+10 46.4	1.516	2.461	8.4	21.1
2 21	10 52.38	+11 54.8	1.489	2.470	3.8	20.9
3 2	10 41.71	+13 2.2	1.491	2.478	2.5	20.8
3 12	10 31.39	+14 0.1	1.521	2.486	7.0	21.1
3 22	10 22.61	+14 42.6	1.578	2.492	11.4	21.4
4 1	10 16.24	+15 7.0	1.657	2.498	15.3	21.6
325753 2009 WH_{90}			2 28.9 200°.26	6°.0/22.1 18		
1 22	11 11.88	+25 11.1	2.358	3.165	11.9	20.7
2 1	11 7.02	+26 21.3	2.281	3.161	9.5	20.5
2 11	11 0.01	+27 30.5	2.229	3.158	7.2	20.4
2 21	10 51.40	+28 31.5	2.205	3.154	6.0	20.3
3 2	10 42.00	+29 17.3	2.209	3.149	6.8	20.3
3 12	10 32.80	+29 43.2	2.241	3.144	9.0	20.4
3 22	10 24.72	+29 47.5	2.299	3.138	11.5	20.6
4 1	10 18.48	+29 31.0	2.378	3.132	13.8	20.8
253139 2002 VU_{47}			2 28.9 133°.59	2°.1/26.7 18		
1 22	11 11.68	+11 28.7	2.295	3.083	12.7	21.7
2 1	11 6.62	+12 20.0	2.222	3.100	9.7	21.5
2 11	10 59.59	+13 19.2	2.173	3.117	6.4	21.3
2 21	10 51.15	+14 21.0	2.153	3.132	3.0	21.2
3 2	10 42.08	+15 19.2	2.163	3.147	2.7	21.1
3 12	10 33.30	+16 8.3	2.204	3.161	5.8	21.4
3 22	10 25.60	+16 44.6	2.273	3.174	9.1	21.6
4 1	10 19.63	+17 6.3	2.367	3.187	11.9	21.8
351663 2005 YH_{249}			2 28.9 59°.78	2°.9/26.9 18		
1 22	11 11.87	+11 20.0	1.294	2.118	18.7	21.2
2 1	11 8.15	+12 4.9	1.234	2.131	14.4	21.0
2 11	11 1.28	+13 3.0	1.194	2.145	9.5	20.8
2 21	10 52.07	+14 5.9	1.178	2.159	4.5	20.5
3 2	10 41.83	+15 3.7	1.187	2.173	3.7	20.5
3 12	10 32.14	+15 47.2	1.223	2.187	8.4	20.8
3 22	10 24.34	+16 11.3	1.282	2.201	13.1	21.1
4 1	10 19.35	+16 14.4	1.362	2.216	17.2	21.4
212516 2006 RM_{34}			2 28.9 129°.96	0°.4/29.4 18		
1 22	11 5.44	+ 3 31.7	2.681	3.448	11.6	20.8
2 1	11 1.59	+ 4 3.5	2.594	3.457	9.1	20.7
2 11	10 56.17	+ 4 46.6	2.532	3.466	6.1	20.5
2 21	10 49.61	+ 5 38.2	2.497	3.475	2.9	20.3
3 2	10 42.50	+ 6 34.2	2.493	3.483	0.7	20.1
3 12	10 35.55	+ 7 29.7	2.519	3.491	3.9	20.4
3 22	10 29.40	+ 8 20.5	2.574	3.499	7.1	20.6
4 1	10 24.57	+ 9 3.0	2.656	3.507	9.8	20.8
294116 2007 TB_{244}			2 28.9 193°.30	0°.2/29.0 18		
1 22	11 13.09	+ 5 25.5	2.088	2.861	14.3	21.6
2 1	11 8.09	+ 5 42.4	1.993	2.859	11.3	21.4
2 11	11 0.82	+ 6 11.8	1.920	2.857	7.6	21.1
2 21	10 51.81	+ 6 50.5	1.875	2.853	3.5	20.9
3 2	10 41.89	+ 7 33.8	1.859	2.849	0.9	20.7
3 12	10 32.09	+ 8 15.9	1.873	2.844	5.2	21.0
3 22	10 23.40	+ 8 51.8	1.915	2.838	9.2	21.2
4 1	10 16.60	+ 9 17.7	1.983	2.832	12.8	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
66688 1999 TJ_{52}			2 28.9 219°.75	2°.4/ 2.2 18		
	h m	° ′			°	m
1 22	11 7.00	− 1 29.1	2.184	2.939	14.3	19.8
2 1	11 3.29	− 1 20.0	2.086	2.935	11.6	19.6
2 11	10 57.59	− 0 54.2	2.010	2.932	8.3	19.4
2 21	10 50.35	− 0 13.3	1.959	2.928	4.8	19.2
3 2	10 42.30	+ 0 39.1	1.937	2.923	2.4	19.0
3 12	10 34.34	+ 1 37.7	1.944	2.919	4.7	19.2
3 22	10 27.33	+ 2 36.5	1.980	2.914	8.2	19.4
4 1	10 21.97	+ 3 29.9	2.041	2.910	11.6	19.6
414888 2010 WG_{50}			2 28.9 129°.47	1°.3/27.6 18		
1 22	11 10.69	+ 8 55.3	2.061	2.851	13.9	21.7
2 1	11 6.11	+ 9 35.6	1.985	2.863	10.7	21.5
2 11	10 59.39	+10 26.5	1.932	2.875	7.0	21.3
2 21	10 51.11	+11 23.1	1.906	2.887	3.1	21.1
3 2	10 42.12	+12 19.1	1.910	2.898	1.9	21.0
3 12	10 33.39	+13 8.3	1.943	2.908	5.7	21.3
3 22	10 25.84	+13 46.3	2.004	2.918	9.4	21.6
4 1	10 20.14	+14 10.4	2.090	2.928	12.6	21.8
258086 2001 QZ_{53}			2 28.9 177°.41	0°.4/28.4 14 C		
1 22	11 10.89	+ 7 5.8	2.473	3.246	12.3	22.2
2 1	11 5.98	+ 7 34.0	2.380	3.248	9.6	22.0
2 11	10 59.19	+ 8 12.2	2.312	3.250	6.4	21.8
2 21	10 51.01	+ 8 56.9	2.272	3.251	2.8	21.5
3 2	10 42.14	+ 9 43.4	2.262	3.252	1.1	21.4
3 12	10 33.41	+10 27.0	2.283	3.252	4.7	21.7
3 22	10 25.60	+11 3.3	2.334	3.250	8.1	21.9
4 1	10 19.36	+11 29.6	2.410	3.249	11.1	22.1
227314 2005 TT_{61}			2 28.9 6°.17	3°.5/ 2.2 18		
1 22	11 9.10	+ 0 6.8	1.557	2.339	18.0	19.3
2 1	11 5.67	− 0 31.5	1.474	2.339	14.6	19.1
2 11	10 59.54	− 0 52.6	1.412	2.340	10.6	18.9
2 21	10 51.33	− 0 57.0	1.373	2.342	6.3	18.6
3 2	10 42.04	− 0 46.8	1.360	2.345	3.5	18.5
3 12	10 32.98	− 0 26.9	1.373	2.348	6.1	18.6
3 22	10 25.32	− 0 3.4	1.412	2.353	10.3	18.9
4 1	10 20.00	+ 0 18.0	1.474	2.358	14.4	19.1
164363 2005 EN_{14}			2 28.9 3°.92	0°.7/28.1 18		
1 22	11 6.34	+ 7 16.1	2.076	2.869	13.7	19.9
2 1	11 2.85	+ 7 51.0	1.989	2.869	10.6	19.7
2 11	10 57.31	+ 8 38.1	1.925	2.869	7.0	19.4
2 21	10 50.23	+ 9 33.1	1.888	2.869	3.1	19.2
3 2	10 42.37	+10 30.2	1.880	2.869	1.4	19.0
3 12	10 34.68	+11 23.2	1.900	2.869	5.4	19.3
3 22	10 28.02	+12 6.9	1.948	2.870	9.2	19.6
4 1	10 23.10	+12 37.8	2.020	2.870	12.5	19.8
271751 2004 RQ_{340}			2 28.9 115°.50	2°.2/26.1 18		
1 22	11 6.89	+ 8 7.5	2.177	2.969	13.2	20.4
2 1	11 3.14	+ 9 53.4	2.101	2.983	10.1	20.2
2 11	10 57.42	+11 53.1	2.051	2.996	6.5	20.0
2 21	10 50.25	+13 59.3	2.030	3.010	3.0	19.8
3 2	10 42.39	+16 2.8	2.040	3.023	3.0	19.9
3 12	10 34.72	+17 54.8	2.081	3.035	6.4	20.1
3 22	10 28.06	+19 28.9	2.151	3.047	9.8	20.3
4 1	10 23.07	+20 41.6	2.246	3.059	12.7	20.5
153929 2001 YJ_{63}			2 28.9 41°.01	3°.1/26.3 18		
1 22	11 8.39	+12 41.5	1.635	2.453	15.7	19.8
2 1	11 4.92	+13 32.4	1.566	2.461	12.1	19.6
2 11	10 58.90	+14 33.2	1.519	2.469	7.9	19.3
2 21	10 50.99	+15 36.9	1.498	2.478	4.0	19.1
3 2	10 42.19	+16 35.0	1.504	2.486	3.8	19.1
3 12	10 33.75	+17 20.1	1.537	2.496	7.6	19.4
3 22	10 26.73	+17 47.4	1.595	2.505	11.7	19.6
4 1	10 21.95	+17 55.4	1.675	2.515	15.2	19.9
178417 1998 RN_{74}			2 28.9 62°.90	4°.5/ 4.3 18		
1 22	11 8.77	− 8 12.9	1.567	2.312	19.5	20.4
2 1	11 5.08	− 7 50.5	1.508	2.343	16.0	20.2
2 11	10 58.88	− 6 59.7	1.467	2.375	11.9	20.0
2 21	10 50.92	− 5 42.8	1.450	2.406	7.7	19.9
3 2	10 42.24	− 4 5.9	1.459	2.438	4.7	19.8
3 12	10 34.06	− 2 19.1	1.495	2.469	5.9	19.9
3 22	10 27.39	− 0 33.1	1.559	2.500	9.5	20.2
4 1	10 22.96	+ 1 3.2	1.648	2.531	13.2	20.5
506657 2006 SX_{154}			2 28.9 123°.56	2°.3/ 3.1 17		
1 22	11 4.78	− 4 51.9	2.807	3.533	12.1	22.0
2 1	11 1.02	− 4 15.5	2.718	3.547	9.8	21.9
2 11	10 55.77	− 3 23.1	2.652	3.561	7.2	21.7
2 21	10 49.45	− 2 16.8	2.613	3.574	4.3	21.5
3 2	10 42.63	− 1 0.1	2.604	3.587	2.4	21.4
3 12	10 35.96	+ 0 21.6	2.627	3.600	3.7	21.5
3 22	10 30.05	+ 1 43.0	2.679	3.612	6.4	21.7
4 1	10 25.39	+ 2 59.1	2.760	3.624	9.1	21.9

249699 2000 EM_{143} 2 28.9 130°.21 0°.1/28.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 11.90	+ 5 42.9	2.024	2.802	14.5	21.1
2 1	11 7.09	+ 6 3.6	1.945	2.815	11.3	20.9
2 11	11 0.08	+ 6 36.7	1.889	2.827	7.6	20.7
2 21	10 51.46	+ 7 18.4	1.859	2.839	3.4	20.4
3 2	10 42.09	+ 8 3.7	1.859	2.850	0.9	20.3
3 12	10 33.01	+ 8 46.6	1.889	2.860	5.1	20.6
3 22	10 25.11	+ 9 22.5	1.946	2.870	9.1	20.8
4 1	10 19.13	+ 9 47.7	2.029	2.880	12.4	21.1

284474 2007 HR_{50} 2 28.9 106°.16 2°.1/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.95	+ 8 45.7	1.511	2.319	17.2	20.6
2 1	11 7.10	+ 9 46.3	1.442	2.331	13.3	20.4
2 11	11 0.45	+11 2.6	1.395	2.343	8.7	20.2
2 21	10 51.73	+12 26.8	1.373	2.354	3.9	19.9
3 2	10 42.02	+13 49.4	1.378	2.365	3.0	19.9
3 12	10 32.69	+15 0.4	1.412	2.376	7.5	20.2
3 22	10 24.95	+15 53.3	1.470	2.386	12.0	20.5
4 1	10 19.65	+16 25.0	1.551	2.397	15.9	20.7

54813 2001 MV_{27} 2 28.9 138°.53 1°.1/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.22	+ 2 26.9	1.653	2.433	17.2	20.7
2 1	11 7.88	+ 2 47.4	1.574	2.442	13.6	20.5
2 11	11 0.90	+ 3 26.3	1.515	2.451	9.3	20.3
2 21	10 51.92	+ 4 20.0	1.482	2.459	4.6	20.0
3 2	10 41.96	+ 5 22.5	1.476	2.467	1.3	19.8
3 12	10 32.28	+ 6 25.6	1.499	2.474	5.8	20.1
3 22	10 24.04	+ 7 22.1	1.549	2.480	10.4	20.4
4 1	10 18.09	+ 8 6.5	1.622	2.486	14.4	20.6

268062 2004 RS_{48} 2 28.9 149°.18 1°.3/27.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.87	+ 9 36.0	2.274	3.062	12.8	21.9
2 1	11 5.33	+10 10.2	2.191	3.069	9.9	21.7
2 11	10 58.83	+10 53.5	2.133	3.076	6.5	21.5
2 21	10 50.88	+11 41.5	2.102	3.082	2.9	21.3
3 2	10 42.25	+12 28.8	2.100	3.088	1.9	21.2
3 12	10 33.83	+13 10.2	2.129	3.094	5.3	21.4
3 22	10 26.43	+13 41.6	2.186	3.099	8.8	21.7
4 1	10 20.72	+14 0.7	2.268	3.103	11.9	21.9

173797 2001 SO_{166} 2 28.9 69°.74 2°.3/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.55	+14 0.1	2.181	2.978	13.0	20.2
2 1	11 6.60	+14 19.0	2.111	2.994	10.0	20.0
2 11	10 59.62	+14 42.7	2.065	3.009	6.6	19.9
2 21	10 51.20	+15 6.7	2.046	3.025	3.2	19.7
3 2	10 42.18	+15 26.2	2.057	3.040	2.8	19.7
3 12	10 33.52	+15 37.1	2.097	3.056	5.9	19.9
3 22	10 26.03	+15 37.0	2.164	3.071	9.2	20.1
4 1	10 20.35	+15 25.1	2.257	3.087	12.1	20.3

259339 2003 FD_{130} 2 28.9 315°.81 3°.8/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.98	+13 26.9	1.649	2.472	15.4	20.0
2 1	11 3.30	+14 34.1	1.562	2.460	11.9	19.7
2 11	10 58.03	+15 53.4	1.497	2.448	7.9	19.5
2 21	10 50.71	+17 17.1	1.458	2.436	4.4	19.2
3 2	10 42.28	+18 35.4	1.446	2.425	4.7	19.2
3 12	10 33.95	+19 39.1	1.460	2.414	8.5	19.4
3 22	10 26.90	+20 22.1	1.499	2.403	12.7	19.6
4 1	10 22.06	+20 41.8	1.560	2.393	16.4	19.8

109878 2001 SG 2 28.9 156°.94 2°.5/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.18	+13 19.5	2.398	3.189	12.1	20.5
2 1	11 6.25	+14 9.2	2.318	3.198	9.3	20.4
2 11	10 59.39	+15 5.5	2.262	3.206	6.1	20.2
2 21	10 51.13	+16 3.0	2.236	3.213	3.2	20.0
3 2	10 42.20	+16 56.1	2.239	3.220	3.1	20.0
3 12	10 33.48	+17 39.3	2.273	3.226	6.0	20.2
3 22	10 25.78	+18 9.4	2.335	3.231	9.1	20.4
4 1	10 19.73	+18 24.8	2.422	3.235	11.9	20.6

496527 2014 WN_{72} 2 28.9 96°.92 2°.7/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.26	− 2 32.7	2.180	2.919	14.8	22.6
2 1	11 7.06	− 2 27.5	2.111	2.949	11.9	22.5
2 11	10 59.87	− 2 5.6	2.064	2.979	8.5	22.3
2 21	10 51.30	− 1 29.1	2.043	3.008	5.0	22.2
3 2	10 42.17	− 0 41.7	2.052	3.036	2.7	22.1
3 12	10 33.39	+ 0 11.2	2.090	3.063	4.6	22.2
3 22	10 25.77	+ 1 4.1	2.158	3.090	7.8	22.5
4 1	10 19.94	+ 1 51.9	2.252	3.116	10.9	22.7

114934 2003 QX_{47} 2 28.9 115°.93 5°.2/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.70	− 7 8.0	1.760	2.496	17.9	19.8
2 1	11 6.58	− 7 27.8	1.678	2.507	14.9	19.6
2 11	10 59.99	− 7 24.7	1.615	2.517	11.4	19.4
2 21	10 51.51	− 6 58.5	1.575	2.527	7.8	19.3
3 2	10 42.09	− 6 11.6	1.562	2.536	5.3	19.1
3 12	10 32.90	− 5 9.9	1.577	2.546	6.3	19.2
3 22	10 25.02	− 4 1.2	1.618	2.555	9.6	19.4
4 1	10 19.28	− 2 53.7	1.684	2.563	13.1	19.6

87120 2000 LO_{34} 2 28.9 134°.21 1°.4/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 8.51	+ 8 25.0	2.440	3.223	12.2	20.0
2 1	11 4.12	+ 9 31.5	2.363	3.239	9.4	19.8
2 11	10 57.94	+10 48.5	2.311	3.254	6.1	19.7
2 21	10 50.47	+12 10.7	2.288	3.268	2.7	19.5
3 2	10 42.39	+13 31.8	2.296	3.282	2.0	19.4
3 12	10 34.53	+14 45.6	2.334	3.295	5.2	19.7
3 22	10 27.60	+15 47.3	2.402	3.307	8.5	19.9
4 1	10 22.21	+16 34.2	2.495	3.319	11.3	20.1

186009 2001 QB_{112} 2 28.9 142°.20 0°.3/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.47	+ 4 21.8	2.387	3.153	12.9	21.3
2 1	11 5.66	+ 4 47.5	2.304	3.166	10.1	21.2
2 11	10 58.97	+ 5 25.0	2.244	3.178	6.8	21.0
2 21	10 50.94	+ 6 11.1	2.212	3.190	3.2	20.8
3 2	10 42.27	+ 7 1.2	2.211	3.201	0.8	20.6
3 12	10 33.81	+ 7 50.3	2.240	3.211	4.4	20.9
3 22	10 26.34	+ 8 33.8	2.298	3.221	7.9	21.1
4 1	10 20.47	+ 9 8.1	2.382	3.230	10.9	21.3

500660 2012 VS_{21} 2 28.9 127°.83 0°.4/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.01	+ 7 20.7	2.769	3.544	11.1	22.3
2 1	11 2.74	+ 7 49.9	2.686	3.557	8.6	22.2
2 11	10 56.92	+ 8 27.6	2.629	3.569	5.6	22.0
2 21	10 49.99	+ 9 10.6	2.600	3.580	2.5	21.8
3 2	10 42.54	+ 9 54.8	2.602	3.591	1.0	21.7
3 12	10 35.27	+10 36.0	2.634	3.602	4.1	22.0
3 22	10 28.81	+11 10.7	2.695	3.613	7.1	22.2
4 1	10 23.68	+11 36.4	2.783	3.623	9.8	22.4

301622 2010 DZ_{77} 2 28.9 337°.08 0°.8/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 4.87	+ 2 10.1	1.254	2.067	19.8	20.7
2 1	11 3.09	+ 2 43.2	1.172	2.060	15.8	20.4
2 11	10 58.25	+ 3 42.2	1.110	2.054	10.8	20.1
2 21	10 50.93	+ 5 3.2	1.069	2.049	5.2	19.7
3 2	10 42.25	+ 6 37.3	1.053	2.044	1.2	19.4
3 12	10 33.73	+ 8 12.2	1.062	2.039	7.1	19.8
3 22	10 26.79	+ 9 36.3	1.095	2.036	12.7	20.1
4 1	10 22.57	+10 41.0	1.149	2.032	17.6	20.4

432479 2010 DK_{59} 2 28.9 333°.16 6°.2/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 2.02	−13 14.6	2.020	2.727	16.8	20.7
2 1	10 59.75	−13 16.1	1.917	2.718	14.4	20.5
2 11	10 55.41	−12 51.7	1.833	2.710	11.7	20.3
2 21	10 49.48	−12 0.0	1.771	2.702	8.7	20.1
3 2	10 42.66	−10 42.7	1.734	2.694	6.6	19.9
3 12	10 35.90	− 9 5.3	1.725	2.687	6.6	19.9
3 22	10 30.09	− 7 16.2	1.743	2.680	9.0	20.1
4 1	10 25.99	− 5 24.8	1.786	2.674	12.0	20.2

153134 2000 SD_{174} 2 28.9 209°.72 4°.5/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.57	− 7 46.0	2.441	3.150	14.1	20.6
2 1	11 5.15	− 8 5.0	2.334	3.144	11.9	20.4
2 11	10 58.80	− 8 7.0	2.248	3.138	9.2	20.3
2 21	10 50.95	− 7 51.5	2.187	3.130	6.5	20.1
3 2	10 42.27	− 7 19.6	2.154	3.123	4.6	19.9
3 12	10 33.62	− 6 35.0	2.151	3.114	5.4	20.0
3 22	10 25.81	− 5 42.5	2.176	3.106	7.9	20.1
4 1	10 19.54	− 4 48.0	2.228	3.096	10.8	20.3

422490 2014 SM_{338} 2 28.9 187°.35 1°.8/27.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.37	+10 18.6	2.124	2.914	13.5	22.3
2 1	11 6.74	+11 4.4	2.034	2.914	10.5	22.1
2 11	10 59.93	+12 0.5	1.969	2.913	6.9	21.9
2 21	10 51.46	+13 1.7	1.931	2.911	3.2	21.7
3 2	10 42.15	+14 1.4	1.923	2.909	2.5	21.6
3 12	10 32.98	+14 53.4	1.945	2.906	6.1	21.8
3 22	10 24.90	+15 32.8	1.994	2.902	9.8	22.1
4 1	10 18.66	+15 57.0	2.068	2.898	13.1	22.3

163630 2002 UH_{11} 2 28.9 143°.55 1°.0/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.29	+ 8 36.1	2.343	3.131	12.5	20.6
2 1	11 3.33	+ 9 9.8	2.257	3.135	9.7	20.4
2 11	10 57.51	+ 9 53.2	2.195	3.138	6.3	20.2
2 21	10 50.32	+10 42.1	2.161	3.141	2.8	20.0
3 2	10 42.47	+11 31.6	2.156	3.145	1.5	19.9
3 12	10 34.79	+12 16.3	2.181	3.148	5.0	20.1
3 22	10 28.04	+12 52.2	2.234	3.150	8.5	20.3
4 1	10 22.87	+13 16.4	2.312	3.153	11.5	20.5

59323 1999 CS_{95} 2 28.9 351°.20 1°.4/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.22	+ 9 48.7	1.214	2.041	19.5	18.3
2 1	11 7.36	+ 9 55.2	1.138	2.036	15.3	18.0
2 11	11 1.14	+10 15.5	1.082	2.033	10.2	17.7
2 21	10 52.23	+10 44.3	1.047	2.029	4.5	17.3
3 2	10 41.93	+11 13.7	1.038	2.027	2.3	17.2
3 12	10 31.94	+11 35.6	1.053	2.026	8.0	17.5
3 22	10 23.80	+11 44.0	1.091	2.025	13.4	17.8
4 1	10 18.63	+11 36.0	1.150	2.026	18.2	18.1

210080 2006 QU_{34} 2 28.9 274°.62 1°.7/27.2 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 7.70	+ 6 56.0	1.767	2.566	15.5	20.6
2 1	11 4.66	+ 8 6.1	1.656	2.540	12.2	20.4
2 11	10 59.04	+ 9 36.4	1.568	2.514	8.1	20.0
2 21	10 51.27	+11 21.2	1.506	2.487	3.6	19.7
3 2	10 42.16	+13 11.6	1.472	2.459	2.6	19.6
3 12	10 32.89	+14 56.8	1.467	2.431	7.3	19.8
3 22	10 24.65	+16 27.2	1.489	2.403	12.0	20.0
4 1	10 18.51	+17 36.2	1.534	2.374	16.3	20.2

234175 2000 OH_{36} 2 28.9 212°.90 1°.8/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.56	− 1 23.0	2.958	3.698	11.3	21.3
2 1	11 1.67	− 1 6.6	2.850	3.691	9.1	21.1
2 11	10 56.27	− 0 37.3	2.765	3.683	6.5	20.9
2 21	10 49.75	+ 0 3.3	2.708	3.675	3.7	20.7
3 2	10 42.63	+ 0 52.3	2.681	3.667	1.8	20.6
3 12	10 35.55	+ 1 45.8	2.685	3.658	3.6	20.7
3 22	10 29.14	+ 2 39.6	2.718	3.649	6.5	20.9
4 1	10 23.91	+ 3 29.6	2.779	3.639	9.2	21.0

405203 2003 GC_{57} 2 28.9 307°.96 1°.1/29.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.59	+ 3 24.4	1.345	2.153	19.0	21.8
2 1	11 5.19	+ 3 30.9	1.251	2.136	15.3	21.5
2 11	10 59.71	+ 3 58.1	1.177	2.119	10.6	21.2
2 21	10 51.66	+ 4 43.6	1.124	2.103	5.2	20.8
3 2	10 42.07	+ 5 41.3	1.097	2.087	1.4	20.5
3 12	10 32.46	+ 6 42.0	1.095	2.072	6.9	20.8
3 22	10 24.31	+ 7 36.7	1.117	2.057	12.5	21.1
4 1	10 18.84	+ 8 17.7	1.160	2.043	17.5	21.3

415973 2001 XM_{262} 2 28.9 29°.83 7°.1/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.67	−11 34.2	1.735	2.457	18.7	20.4
2 1	11 3.61	−12 9.0	1.649	2.460	16.0	20.2
2 11	10 58.12	−12 18.2	1.582	2.465	12.8	20.0
2 21	10 50.74	−12 0.0	1.536	2.469	9.6	19.8
3 2	10 42.36	−11 15.2	1.514	2.474	7.4	19.7
3 12	10 34.15	−10 9.0	1.519	2.479	7.6	19.7
3 22	10 27.16	− 8 49.4	1.549	2.484	10.1	19.9
4 1	10 22.26	− 7 26.0	1.604	2.490	13.3	20.1

522206 2016 AU_{262} 2 28.9 32°.77 3°.2/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 3.73	− 4 50.7	1.486	2.260	19.1	21.2
2 1	11 1.57	− 4 17.2	1.410	2.269	15.5	21.0
2 11	10 56.84	− 3 15.0	1.353	2.278	11.3	20.7
2 21	10 50.17	− 1 46.7	1.319	2.287	6.7	20.5
3 2	10 42.53	+ 0 0.6	1.311	2.297	3.3	20.3
3 12	10 35.17	+ 1 55.8	1.330	2.308	5.8	20.5
3 22	10 29.19	+ 3 47.4	1.375	2.319	10.3	20.8
4 1	10 25.45	+ 5 25.5	1.444	2.331	14.4	21.0

37816 1998 BT_{2} 2 28.9 56°.20 3°.6/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.39	+12 27.0	1.349	2.175	18.0	18.6
2 1	11 6.93	+13 28.2	1.290	2.189	13.8	18.3
2 11	11 0.47	+14 41.5	1.252	2.203	9.1	18.1
2 21	10 51.78	+15 57.9	1.238	2.218	4.6	17.9
3 2	10 42.12	+17 6.6	1.250	2.232	4.5	17.9
3 12	10 32.97	+17 58.3	1.288	2.248	8.7	18.2
3 22	10 25.61	+18 28.1	1.350	2.263	13.2	18.5
4 1	10 20.91	+18 34.8	1.433	2.278	17.0	18.8

211963 2005 AB_{8} 2 28.9 16°.48 8°.5/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 3.22	+19 23.5	1.062	1.923	19.1	19.1
2 1	11 2.23	+21 26.0	1.013	1.929	14.9	18.9
2 11	10 57.79	+23 36.1	0.985	1.937	10.8	18.7
2 21	10 50.70	+25 37.4	0.979	1.946	8.6	18.6
3 2	10 42.41	+27 13.4	0.996	1.957	10.0	18.7
3 12	10 34.69	+28 12.8	1.035	1.968	13.7	18.9
3 22	10 29.02	+28 32.4	1.094	1.982	17.7	19.2
4 1	10 26.36	+28 15.3	1.170	1.996	21.2	19.5

421248 2013 SR_{52} 2 28.9 187°.42 2°.2/ 2.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.66	− 0 30.2	2.176	2.932	14.3	21.9
2 1	11 4.59	− 0 26.0	2.081	2.932	11.5	21.7
2 11	10 58.49	− 0 6.2	2.008	2.932	8.2	21.5
2 21	10 50.83	+ 0 27.6	1.961	2.931	4.6	21.3
3 2	10 42.37	+ 1 11.8	1.943	2.930	2.2	21.1
3 12	10 34.03	+ 2 1.5	1.954	2.928	4.6	21.3
3 22	10 26.67	+ 2 50.9	1.993	2.927	8.3	21.5
4 1	10 21.00	+ 3 35.0	2.058	2.925	11.6	21.7

147632 2004 HL_{54} 2 28.9 334°.38 2°.1/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.52	+ 0 43.9	1.643	2.427	17.2	20.1
2 1	11 4.40	+ 0 46.2	1.554	2.423	13.8	19.9
2 11	10 58.73	+ 1 7.6	1.486	2.419	9.7	19.6
2 21	10 51.05	+ 1 46.2	1.441	2.415	5.3	19.3
3 2	10 42.31	+ 2 37.2	1.423	2.412	2.1	19.1
3 12	10 33.70	+ 3 33.6	1.432	2.409	5.7	19.3
3 22	10 26.36	+ 4 27.9	1.467	2.406	10.2	19.6
4 1	10 21.21	+ 5 13.7	1.526	2.404	14.3	19.8

495967 2007 RH_{213} 2 28.9 161°.10 0°.1/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 12.29	+ 4 53.1	2.025	2.800	14.6	22.8
2 1	11 7.49	+ 5 21.0	1.939	2.807	11.5	22.6
2 11	11 0.44	+ 6 2.8	1.876	2.813	7.7	22.4
2 21	10 51.71	+ 6 54.5	1.840	2.819	3.5	22.1
3 2	10 42.15	+ 7 50.8	1.833	2.824	0.9	21.9
3 12	10 32.79	+ 8 45.1	1.856	2.828	5.2	22.2
3 22	10 24.60	+ 9 32.0	1.908	2.831	9.2	22.5
4 1	10 18.33	+10 7.4	1.984	2.834	12.7	22.7

122570 2000 RG_{12} 2 28.9 198°.31 4°.3/ 4.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.19	− 8 12.3	2.696	3.394	13.2	20.3
2 1	11 5.44	− 8 29.8	2.587	3.390	11.1	20.1
2 11	10 58.89	− 8 31.5	2.501	3.386	8.6	19.9
2 21	10 50.99	− 8 17.1	2.440	3.380	6.1	19.8
3 2	10 42.34	− 7 47.6	2.408	3.374	4.4	19.6
3 12	10 33.72	− 7 6.2	2.405	3.367	5.0	19.7
3 22	10 25.87	− 6 17.4	2.433	3.359	7.3	19.8
4 1	10 19.44	− 5 26.2	2.487	3.351	10.0	20.0

378894 2008 UC_{29} 2 28.9 41°.75 0°.4/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.90	+ 6 27.5	1.891	2.686	14.8	21.3
2 1	11 3.44	+ 6 56.0	1.814	2.694	11.5	21.1
2 11	10 57.79	+ 7 37.8	1.759	2.702	7.6	20.8
2 21	10 50.52	+ 8 28.3	1.730	2.710	3.4	20.6
3 2	10 42.48	+ 9 21.8	1.729	2.719	1.2	20.4
3 12	10 34.69	+10 11.7	1.756	2.727	5.5	20.7
3 22	10 28.07	+10 52.6	1.810	2.736	9.5	21.0
4 1	10 23.34	+11 20.8	1.888	2.746	12.9	21.2

303311 2004 TB_{46} 2 28.9 351°.05 3°.2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 3.48	− 5 33.1	2.653	3.382	12.7	20.4
2 1	11 0.24	− 5 29.0	2.554	3.382	10.4	20.2
2 11	10 55.41	− 5 9.0	2.477	3.381	7.8	20.1
2 21	10 49.39	− 4 34.0	2.425	3.380	5.1	19.9
3 2	10 42.78	− 3 46.5	2.402	3.380	3.3	19.8
3 12	10 36.25	− 2 50.5	2.409	3.380	4.2	19.8
3 22	10 30.45	− 1 51.0	2.444	3.379	6.8	20.0
4 1	10 25.96	− 0 52.9	2.506	3.379	9.6	20.2

68641 2002 CR_{43} 2 28.9 274°.36 0°.1/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 14.63	+ 7 20.5	1.668	2.459	16.6	19.5
2 1	11 10.21	+ 7 15.8	1.560	2.437	13.2	19.2
2 11	11 2.85	+ 7 23.1	1.474	2.415	9.0	18.9
2 21	10 53.05	+ 7 39.6	1.413	2.392	4.2	18.5
3 2	10 41.75	+ 8 0.3	1.379	2.369	1.1	18.2
3 12	10 30.34	+ 8 19.5	1.373	2.346	6.5	18.5
3 22	10 20.19	+ 8 31.8	1.394	2.322	11.6	18.8
4 1	10 12.45	+ 8 33.4	1.438	2.298	16.1	19.0

433174 2012 TJ_{296} 2 28.9 202°.80 3°.3/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.62	− 5 27.2	2.558	3.285	13.1	21.3
2 1	11 1.96	− 5 24.3	2.456	3.283	10.8	21.1
2 11	10 56.60	− 5 5.1	2.376	3.280	8.1	20.9
2 21	10 49.95	− 4 30.4	2.322	3.278	5.3	20.7
3 2	10 42.63	− 3 42.5	2.297	3.275	3.4	20.6
3 12	10 35.39	− 2 45.7	2.302	3.272	4.4	20.7
3 22	10 28.92	− 1 45.1	2.335	3.269	7.2	20.8
4 1	10 23.85	− 0 46.1	2.395	3.266	10.0	21.0

57842 2001 XQ_{53} 2 28.9 10°.94 2°.8/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.47	+13 6.6	2.044	2.855	13.3	19.5
2 1	11 2.25	+13 57.1	1.965	2.856	10.2	19.3
2 11	10 56.97	+14 55.8	1.910	2.858	6.7	19.1
2 21	10 50.15	+15 56.8	1.882	2.860	3.5	18.9
3 2	10 42.59	+16 53.4	1.882	2.863	3.4	18.9
3 12	10 35.23	+17 39.4	1.910	2.866	6.6	19.1
3 22	10 28.95	+18 10.6	1.965	2.870	10.1	19.3
4 1	10 24.42	+18 25.1	2.043	2.873	13.2	19.5

225516 2000 QE_{163} 2 28.9 144°.19 3°.2/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.21	− 3 13.5	2.239	2.977	14.5	21.2
2 1	11 5.67	− 3 22.0	2.149	2.986	11.8	21.1
2 11	10 59.13	− 3 14.2	2.082	2.993	8.7	20.9
2 21	10 51.11	− 2 51.1	2.040	3.001	5.4	20.7
3 2	10 42.34	− 2 15.4	2.026	3.007	3.2	20.5
3 12	10 33.73	− 1 31.5	2.042	3.014	4.8	20.7
3 22	10 26.14	− 0 44.8	2.087	3.020	8.0	20.9
4 1	10 20.23	− 0 0.5	2.158	3.026	11.1	21.1

172560 2003 UU_{134} 2 28.9 184°.21 2°.0/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.46	+ 0 21.6	1.994	2.754	15.3	20.9
2 1	11 6.97	+ 0 25.9	1.900	2.754	12.3	20.7
2 11	11 0.19	+ 0 46.5	1.828	2.754	8.7	20.5
2 21	10 51.65	+ 1 21.6	1.782	2.754	4.8	20.3
3 2	10 42.19	+ 2 7.2	1.765	2.753	2.0	20.1
3 12	10 32.86	+ 2 57.6	1.776	2.751	5.0	20.3
3 22	10 24.64	+ 3 46.8	1.816	2.748	9.0	20.5
4 1	10 18.35	+ 4 29.4	1.881	2.746	12.7	20.7

241085 2006 UR_{195} 2 28.9 197°.33 2°.0/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 4.94	− 2 17.6	2.738	3.478	12.1	21.7
2 1	11 1.32	− 1 54.1	2.635	3.476	9.7	21.5
2 11	10 56.11	− 1 15.9	2.556	3.474	7.0	21.4
2 21	10 49.72	− 0 24.7	2.504	3.471	4.1	21.2
3 2	10 42.72	+ 0 36.0	2.482	3.467	2.0	21.0
3 12	10 35.79	+ 1 41.8	2.490	3.464	3.8	21.1
3 22	10 29.59	+ 2 47.4	2.527	3.460	6.8	21.3
4 1	10 24.67	+ 3 48.3	2.592	3.456	9.6	21.5

264143 2009 UO_{90} 2 28.9 61°.48 1°.8/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.00	+ 6 50.0	1.719	2.523	15.7	19.6
2 1	11 2.91	+ 8 14.7	1.654	2.541	12.0	19.4
2 11	10 57.50	+ 9 55.8	1.612	2.559	7.8	19.2
2 21	10 50.40	+11 45.4	1.596	2.578	3.4	19.0
3 2	10 42.55	+13 33.9	1.610	2.596	2.6	19.0
3 12	10 35.03	+15 11.3	1.651	2.615	6.7	19.3
3 22	10 28.80	+16 30.5	1.720	2.634	10.7	19.6
4 1	10 24.58	+17 27.9	1.811	2.652	14.1	19.8

65505 4085 *P–L* 2 28.9 244°.29 3°.9/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.62	− 6 59.6	2.289	3.013	14.6	20.1
2 1	11 3.08	− 6 50.4	2.176	3.000	12.1	19.9
2 11	10 57.55	− 6 21.2	2.084	2.985	9.2	19.7
2 21	10 50.47	− 5 32.1	2.018	2.971	6.1	19.5
3 2	10 42.50	− 4 25.7	1.979	2.956	4.0	19.3
3 12	10 34.52	− 3 7.3	1.970	2.940	5.0	19.3
3 22	10 27.37	− 1 43.5	1.989	2.925	8.2	19.5
4 1	10 21.80	− 0 21.5	2.035	2.908	11.4	19.7

464943 2005 UZ_{483} 2 28.9 135°.97 2°.2/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.77	− 2 52.0	2.242	2.987	14.3	22.0
2 1	11 3.76	− 2 20.3	2.155	2.999	11.5	21.9
2 11	10 57.85	− 1 30.3	2.091	3.010	8.2	21.7
2 21	10 50.53	− 0 24.4	2.053	3.020	4.7	21.5
3 2	10 42.52	+ 0 52.7	2.044	3.031	2.2	21.3
3 12	10 34.71	+ 2 14.5	2.065	3.040	4.4	21.5
3 22	10 27.87	+ 3 34.4	2.116	3.049	7.9	21.7
4 1	10 22.66	+ 4 46.5	2.193	3.058	11.1	21.9

462299 2008 FD_{126} 2 28.9 108°.49 5°.4/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 18.99	+22 11.5	1.874	2.677	14.6	21.1
2 1	11 12.80	+22 45.9	1.808	2.690	11.4	20.9
2 11	11 3.98	+23 19.4	1.766	2.702	8.1	20.8
2 21	10 53.28	+23 44.5	1.750	2.715	5.7	20.6
3 2	10 41.83	+23 54.5	1.763	2.726	6.1	20.7
3 12	10 30.92	+23 45.6	1.804	2.738	8.8	20.9
3 22	10 21.63	+23 17.3	1.872	2.749	11.9	21.1
4 1	10 14.73	+22 31.7	1.962	2.760	14.8	21.3

415326 2013 HD_{22} 2 28.9 276°.76 1°.0/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.57	+ 3 6.6	1.674	2.460	16.7	21.8
2 1	11 6.20	+ 3 19.7	1.567	2.440	13.4	21.5
2 11	11 0.13	+ 3 51.0	1.482	2.419	9.3	21.2
2 21	10 51.82	+ 4 38.0	1.421	2.398	4.6	20.9
3 2	10 42.16	+ 5 35.5	1.387	2.377	1.2	20.6
3 12	10 32.39	+ 6 36.1	1.381	2.356	6.1	20.8
3 22	10 23.79	+ 7 31.8	1.400	2.334	11.1	21.1
4 1	10 17.42	+ 8 16.2	1.443	2.312	15.5	21.3

31756 1999 JL_{98} 2 28.9 68°.11 3°.4/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.82	+13 12.3	2.162	2.969	12.7	17.5
2 1	11 2.31	+14 48.4	2.101	2.991	9.7	17.3
2 11	10 56.88	+16 32.5	2.066	3.013	6.4	17.2
2 21	10 50.08	+18 17.1	2.059	3.035	3.7	17.0
3 2	10 42.68	+19 53.9	2.083	3.057	4.1	17.1
3 12	10 35.55	+21 15.9	2.135	3.078	7.0	17.3
3 22	10 29.47	+22 18.7	2.215	3.100	10.0	17.5
4 1	10 25.07	+23 0.7	2.318	3.122	12.7	17.7

16781 Renčín 2 28.9 47°.47 0°.7/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.26	+ 7 26.1	2.054	2.848	13.8	17.9
2 1	11 2.74	+ 7 59.6	1.980	2.861	10.7	17.7
2 11	10 57.23	+ 8 44.7	1.929	2.873	7.0	17.5
2 21	10 50.26	+ 9 36.7	1.905	2.886	3.1	17.3
3 2	10 42.64	+10 30.0	1.910	2.899	1.4	17.2
3 12	10 35.28	+11 18.7	1.943	2.913	5.2	17.5
3 22	10 28.99	+11 57.9	2.004	2.926	8.9	17.7
4 1	10 24.44	+12 24.7	2.089	2.940	12.1	18.0

262867 2007 BH_{48} 2 28.9 58°.27 2°.3/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.67	+11 5.4	1.831	2.637	14.7	20.9
2 1	11 5.01	+11 51.7	1.750	2.638	11.4	20.7
2 11	10 58.97	+12 49.0	1.691	2.639	7.5	20.5
2 21	10 51.13	+13 51.1	1.659	2.639	3.5	20.2
3 2	10 42.40	+14 50.8	1.655	2.640	3.0	20.2
3 12	10 33.88	+15 40.7	1.679	2.640	6.8	20.4
3 22	10 26.58	+16 16.0	1.729	2.641	10.8	20.7
4 1	10 21.33	+16 33.9	1.802	2.642	14.3	20.9

176950 2002 XN_{21} 2 28.9 74°.15 0°.8/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 11.47	+ 4 8.0	1.676	2.463	16.7	20.0
2 1	11 7.17	+ 4 17.2	1.607	2.480	13.1	19.8
2 11	11 0.36	+ 4 41.9	1.558	2.496	8.9	19.6
2 21	10 51.72	+ 5 18.5	1.535	2.513	4.2	19.3
3 2	10 42.26	+ 6 1.3	1.539	2.529	1.1	19.1
3 12	10 33.19	+ 6 43.9	1.571	2.546	5.5	19.5
3 22	10 25.55	+ 7 20.2	1.630	2.562	9.9	19.7
4 1	10 20.13	+ 7 46.1	1.713	2.579	13.6	20.0

202632 2006 HN_{120} 2 28.9 94°.43 1°.6/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.06	+10 5.1	2.122	2.918	13.3	21.0
2 1	11 4.13	+10 42.4	2.042	2.924	10.3	20.8
2 11	10 58.17	+11 29.1	1.985	2.930	6.7	20.6
2 21	10 50.70	+12 20.6	1.956	2.937	3.0	20.4
3 2	10 42.52	+13 10.9	1.956	2.942	2.2	20.3
3 12	10 34.56	+13 54.3	1.984	2.948	5.7	20.6
3 22	10 27.67	+14 26.5	2.040	2.954	9.3	20.8
4 1	10 22.52	+14 45.2	2.121	2.960	12.4	21.0

336008 2007 TF_{393} 2 28.9 158°.33 0°.6/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.24	+ 7 10.4	2.433	3.215	12.3	21.9
2 1	11 3.25	+ 7 45.5	2.345	3.219	9.5	21.7
2 11	10 57.47	+ 8 30.9	2.281	3.222	6.3	21.5
2 21	10 50.37	+ 9 23.0	2.245	3.226	2.8	21.3
3 2	10 42.62	+10 16.9	2.239	3.229	1.2	21.2
3 12	10 35.02	+11 7.2	2.263	3.231	4.7	21.4
3 22	10 28.31	+11 49.7	2.315	3.234	8.1	21.6
4 1	10 23.10	+12 21.2	2.393	3.236	11.1	21.8

360532 2003 SD_{91} 2 28.9 187°.33 1°.8/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.02	+10 4.8	2.041	2.832	14.0	22.6
2 1	11 7.38	+10 49.1	1.952	2.832	10.8	22.4
2 11	11 0.45	+11 44.2	1.887	2.831	7.1	22.2
2 21	10 51.79	+12 44.7	1.849	2.830	3.3	21.9
3 2	10 42.24	+13 44.0	1.841	2.827	2.4	21.9
3 12	10 32.85	+14 35.6	1.862	2.824	6.2	22.1
3 22	10 24.59	+15 14.4	1.911	2.821	10.0	22.3
4 1	10 18.25	+15 37.7	1.984	2.816	13.4	22.5

56992 2000 SM_{286} 2 28.9 199°.86 4°.1/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 11.89	+22 52.3	2.966	3.760	10.0	19.3
2 1	11 6.55	+23 26.9	2.881	3.757	7.8	19.1
2 11	10 59.51	+24 0.8	2.821	3.754	5.7	19.0
2 21	10 51.24	+24 29.1	2.790	3.750	4.2	18.9
3 2	10 42.40	+24 47.6	2.789	3.745	4.6	18.9
3 12	10 33.74	+24 53.1	2.818	3.741	6.5	19.0
3 22	10 25.96	+24 44.4	2.875	3.736	8.8	19.2
4 1	10 19.61	+24 21.7	2.957	3.730	10.9	19.3

63116 2000 WT_{165} 2 28.9 112°.66 3°.4/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.11	− 6 27.4	2.219	2.948	14.9	19.7
2 1	11 3.28	− 6 5.5	2.135	2.963	12.2	19.5
2 11	10 57.54	− 5 23.3	2.073	2.978	9.1	19.4
2 21	10 50.41	− 4 22.4	2.036	2.993	5.8	19.2
3 2	10 42.62	− 3 6.7	2.027	3.007	3.5	19.1
3 12	10 35.05	− 1 42.7	2.048	3.021	4.7	19.2
3 22	10 28.47	− 0 17.3	2.098	3.034	7.8	19.4
4 1	10 23.51	+ 1 2.9	2.174	3.047	10.9	19.6

465201 2007 JA_{30} 2 28.9 319°.92 4°.9/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 10.27	+18 19.2	1.676	2.498	15.2	21.0
2 1	11 6.66	+19 4.0	1.591	2.486	11.9	20.8
2 11	11 0.32	+19 53.9	1.528	2.474	8.2	20.6
2 21	10 51.84	+20 41.1	1.490	2.463	5.3	20.4
3 2	10 42.23	+21 17.3	1.479	2.452	5.7	20.4
3 12	10 32.81	+21 35.7	1.495	2.441	9.1	20.5
3 22	10 24.79	+21 32.9	1.535	2.431	12.9	20.7
4 1	10 19.11	+21 8.8	1.597	2.422	16.5	20.9

22766 1999 AE_{7} 2 28.9 217°.28 0°.7/28.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.19	+ 5 57.6	2.234	3.015	13.3	18.8
2 1	11 4.28	+ 6 48.5	2.134	3.007	10.4	18.6
2 11	10 58.35	+ 7 53.3	2.058	2.999	6.9	18.4
2 21	10 50.85	+ 9 7.9	2.009	2.990	3.0	18.1
3 2	10 42.50	+10 26.0	1.991	2.980	1.3	17.9
3 12	10 34.20	+11 40.8	2.002	2.970	5.3	18.2
3 22	10 26.82	+12 46.2	2.042	2.959	9.1	18.4
4 1	10 21.08	+13 37.9	2.107	2.948	12.4	18.6

85860 1999 AY_{28} 2 28.9 306°.19 0°.4/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.07	+ 4 40.5	1.697	2.492	16.3	20.1
2 1	11 4.82	+ 4 56.0	1.605	2.483	12.9	19.9
2 11	10 59.04	+ 5 27.5	1.534	2.474	8.8	19.6
2 21	10 51.25	+ 6 11.8	1.487	2.466	4.1	19.3
3 2	10 42.38	+ 7 3.3	1.468	2.458	1.0	19.0
3 12	10 33.61	+ 7 54.6	1.476	2.450	5.8	19.4
3 22	10 26.07	+ 8 39.1	1.510	2.443	10.5	19.6
4 1	10 20.67	+ 9 11.6	1.568	2.435	14.6	19.8

489108 2006 BD_{232} 2 28.9 137°.42 0°.4/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 15.82	+ 7 3.1	1.842	2.623	15.7	21.8
2 1	11 10.38	+ 7 21.0	1.765	2.637	12.2	21.6
2 11	11 2.45	+ 7 51.0	1.711	2.650	8.1	21.4
2 21	10 52.67	+ 8 29.1	1.682	2.662	3.6	21.1
3 2	10 42.04	+ 9 9.4	1.683	2.673	1.2	20.9
3 12	10 31.76	+ 9 45.9	1.714	2.684	5.7	21.3
3 22	10 22.86	+10 13.7	1.772	2.694	9.9	21.5
4 1	10 16.17	+10 29.9	1.855	2.703	13.5	21.8

402854 2007 RD_{36} 2 28.9 197°.12 0°.8/29.6 17

1 22	11 11.69	+ 2 55.7	2.104	2.870	14.4	22.8
2 1	11 7.09	+ 3 20.4	2.006	2.867	11.4	22.6
2 11	11 0.26	+ 4 0.3	1.931	2.863	7.9	22.4
2 21	10 51.73	+ 4 52.2	1.882	2.859	3.8	22.1
3 2	10 42.28	+ 5 51.4	1.863	2.853	1.0	21.9
3 12	10 32.91	+ 6 51.5	1.874	2.847	5.0	22.2
3 22	10 24.59	+ 7 46.4	1.913	2.839	9.0	22.4
4 1	10 18.09	+ 8 31.4	1.978	2.831	12.6	22.6

365477 2010 PO_{30} 2 28.9 221°.76 1°.8/27.3 16

1 22	11 11.97	+10 31.1	2.139	2.929	13.5	22.3
2 1	11 7.34	+11 9.0	2.040	2.919	10.5	22.0
2 11	11 0.46	+11 56.8	1.965	2.908	6.9	21.8
2 21	10 51.83	+12 49.8	1.916	2.897	3.2	21.5
3 2	10 42.25	+13 41.9	1.898	2.884	2.4	21.5
3 12	10 32.74	+14 26.9	1.909	2.872	6.1	21.7
3 22	10 24.25	+15 0.2	1.949	2.858	9.9	21.9
4 1	10 17.61	+15 18.9	2.012	2.844	13.3	22.1

297774 2001 XE_{187} 2 28.9 64°.98 0°.2/28.8 18

1 22	11 10.16	+ 4 48.4	1.367	2.173	18.9	20.8
2 1	11 6.69	+ 5 25.8	1.304	2.190	14.7	20.6
2 11	11 0.32	+ 6 22.8	1.261	2.206	9.8	20.4
2 21	10 51.79	+ 7 33.4	1.242	2.223	4.4	20.1
3 2	10 42.29	+ 8 48.7	1.249	2.240	1.3	19.9
3 12	10 33.27	+ 9 58.6	1.283	2.257	6.7	20.3
3 22	10 25.95	+10 55.3	1.342	2.274	11.6	20.6
4 1	10 21.20	+11 34.0	1.423	2.291	15.8	20.9

386848 2010 LG_{110} 2 28.9 269°.15 0°.9/27.9 17

1 22	11 6.69	+ 8 40.0	2.392	3.180	12.3	21.5
2 1	11 2.98	+ 9 10.2	2.291	3.169	9.5	21.3
2 11	10 57.41	+ 9 50.1	2.215	3.158	6.3	21.1
2 21	10 50.41	+10 36.1	2.165	3.146	2.8	20.9
3 2	10 42.64	+11 23.3	2.146	3.134	1.5	20.7
3 12	10 34.94	+12 6.6	2.156	3.123	5.0	21.0
3 22	10 28.09	+12 41.6	2.194	3.111	8.5	21.2
4 1	10 22.76	+13 5.3	2.257	3.099	11.7	21.3

92534 2000 OW_{15} 2 28.9 106°.54 0°.9/29.7 18

1 22	11 13.20	+ 2 34.8	1.751	2.526	16.6	20.1
2 1	11 8.38	+ 2 59.1	1.682	2.547	13.1	19.9
2 11	11 1.11	+ 3 40.5	1.634	2.569	8.9	19.7
2 21	10 52.06	+ 4 35.0	1.612	2.589	4.3	19.5
3 2	10 42.23	+ 5 36.3	1.619	2.609	1.1	19.3
3 12	10 32.80	+ 6 37.1	1.654	2.628	5.4	19.6
3 22	10 24.80	+ 7 30.8	1.717	2.647	9.7	19.9
4 1	10 18.97	+ 8 12.8	1.804	2.664	13.3	20.2

164134 2003 YY_{48} 2 28.9 97°.09 5°.2/ 5.1 18

1 22	11 7.76	− 8 53.7	2.237	2.950	15.2	19.6
2 1	11 3.90	− 9 20.8	2.144	2.954	12.8	19.5
2 11	10 58.05	− 9 29.2	2.071	2.958	10.0	19.3
2 21	10 50.70	− 9 18.0	2.023	2.962	7.2	19.1
3 2	10 42.58	− 8 48.6	2.001	2.966	5.3	19.0
3 12	10 34.58	− 8 4.8	2.008	2.970	5.9	19.0
3 22	10 27.52	− 7 11.9	2.043	2.974	8.2	19.2
4 1	10 22.12	− 6 16.2	2.103	2.978	11.1	19.4

448183 2008 UT_{7} 2 28.9 68°.00 3°.0/ 2.3 18

1 22	11 9.06	− 2 21.7	1.367	2.150	20.0	21.1
2 1	11 5.92	− 2 7.8	1.298	2.163	16.2	20.9
2 11	10 59.88	− 1 27.6	1.247	2.176	11.6	20.7
2 21	10 51.64	− 0 23.8	1.219	2.190	6.6	20.4
3 2	10 42.35	+ 0 57.0	1.216	2.203	3.0	20.2
3 12	10 33.44	+ 2 24.6	1.239	2.217	6.2	20.5
3 22	10 26.17	+ 3 48.4	1.288	2.230	11.0	20.8
4 1	10 21.45	+ 4 59.7	1.360	2.244	15.3	21.1

244756 2003 SZ_{80} 2 28.9 133°.67 1°.3/27.6 18

1 22	11 8.66	+ 9 34.9	2.239	3.030	12.9	21.4
2 1	11 4.50	+10 9.5	2.156	3.036	10.0	21.2
2 11	10 58.38	+10 53.3	2.098	3.041	6.5	21.0
2 21	10 50.82	+11 42.0	2.066	3.047	2.9	20.8
3 2	10 42.57	+12 30.1	2.065	3.052	1.9	20.7
3 12	10 34.52	+13 12.3	2.093	3.058	5.4	21.0
3 22	10 27.49	+13 44.5	2.148	3.062	8.9	21.2
4 1	10 22.12	+14 4.1	2.229	3.067	11.9	21.4

412924 2014 QD_{150} 2 28.9 272°.12 0°.6/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 9.28	+ 5 12.4	1.633	2.429	16.7	21.3
2 1	11 6.12	+ 5 55.1	1.525	2.406	13.2	21.0
2 11	11 0.20	+ 6 57.9	1.438	2.382	9.0	20.7
2 21	10 51.94	+ 8 16.7	1.377	2.358	4.0	20.3
3 2	10 42.23	+ 9 43.7	1.343	2.333	1.5	20.1
3 12	10 32.37	+11 9.2	1.336	2.308	6.9	20.4
3 22	10 23.66	+12 23.8	1.356	2.282	12.0	20.6
4 1	10 17.25	+13 20.5	1.398	2.256	16.6	20.8

10400 Hakkaisan 2 28.9 132°.79 4°.4/25.5 18

1 22	11 15.98	+17 8.3	1.732	2.540	15.4	17.3
2 1	11 10.75	+17 58.9	1.663	2.550	11.9	17.1
2 11	11 2.81	+18 54.5	1.617	2.561	8.1	16.9
2 21	10 52.88	+19 47.3	1.597	2.571	4.9	16.7
3 2	10 42.05	+20 29.2	1.606	2.580	5.1	16.7
3 12	10 31.65	+20 53.9	1.642	2.589	8.4	16.9
3 22	10 22.81	+20 58.7	1.705	2.597	12.1	17.2
4 1	10 16.38	+20 43.9	1.790	2.605	15.4	17.4

496395 2013 TQ_{75} 2 28.9 183°.55 4°.1/ 5.2 17

1 22	11 8.38	− 9 53.3	2.909	3.596	12.5	23.5
2 1	11 3.91	− 9 53.4	2.803	3.596	10.5	23.4
2 11	10 57.83	− 9 36.9	2.718	3.596	8.2	23.2
2 21	10 50.55	− 9 3.8	2.659	3.596	5.9	23.1
3 2	10 42.65	− 8 15.8	2.630	3.594	4.3	23.0
3 12	10 34.81	− 7 16.4	2.630	3.592	4.7	23.0
3 22	10 27.69	− 6 10.5	2.661	3.588	6.8	23.1
4 1	10 21.84	− 5 3.2	2.719	3.584	9.2	23.3

229726 2007 GH_{17} 2 28.9 264°.48 2°.9/ 2.6 18

1 22	11 7.43	− 2 13.7	1.983	2.740	15.5	20.5
2 1	11 3.90	− 2 12.9	1.890	2.739	12.6	20.3
2 11	10 58.20	− 1 54.0	1.817	2.737	9.2	20.1
2 21	10 50.83	− 1 18.1	1.770	2.736	5.5	19.9
3 2	10 42.58	− 0 28.7	1.750	2.734	2.9	19.7
3 12	10 34.44	+ 0 28.5	1.758	2.733	5.0	19.8
3 22	10 27.35	+ 1 27.0	1.794	2.731	8.8	20.0
4 1	10 22.08	+ 2 20.7	1.855	2.730	12.3	20.3

272876 2006 BB_{92} 2 28.9 24°.01 2°.7/26.4 17

1 22	11 7.35	+11 45.4	1.861	2.670	14.4	20.4
2 1	11 3.97	+12 41.7	1.781	2.672	11.1	20.2
2 11	10 58.28	+13 48.8	1.725	2.673	7.3	20.0
2 21	10 50.86	+15 0.0	1.694	2.674	3.6	19.7
3 2	10 42.58	+16 7.7	1.693	2.676	3.4	19.7
3 12	10 34.50	+17 4.4	1.719	2.677	7.0	19.9
3 22	10 27.62	+17 45.0	1.771	2.679	10.8	20.2
4 1	10 22.70	+18 7.0	1.846	2.681	14.2	20.4

125649 2001 XW_{66} 2 28.9 182°.20 2°.3/ 1.9 18

1 22	11 12.60	− 0 38.9	2.026	2.778	15.4	20.0
2 1	11 7.85	− 0 33.4	1.931	2.779	12.4	19.8
2 11	11 0.82	− 0 10.8	1.857	2.780	8.8	19.6
2 21	10 52.01	+ 0 27.0	1.810	2.780	5.0	19.3
3 2	10 42.28	+ 1 16.3	1.792	2.779	2.3	19.1
3 12	10 32.66	+ 2 11.3	1.803	2.777	5.0	19.3
3 22	10 24.16	+ 3 5.7	1.842	2.774	8.9	19.5
4 1	10 17.57	+ 3 53.9	1.907	2.771	12.6	19.8

234463 2001 SA_{213} 2 28.9 167°.83 2°.9/26.7 18

1 22	11 15.72	+13 19.5	1.723	2.525	15.7	21.5
2 1	11 10.64	+13 56.1	1.644	2.529	12.2	21.2
2 11	11 2.83	+14 41.4	1.587	2.532	8.1	21.0
2 21	10 52.95	+15 28.6	1.556	2.535	4.1	20.7
3 2	10 42.04	+16 10.3	1.554	2.537	3.6	20.7
3 12	10 31.44	+16 39.8	1.580	2.538	7.5	21.0
3 22	10 22.33	+16 53.0	1.632	2.539	11.6	21.2
4 1	10 15.60	+16 48.9	1.708	2.540	15.3	21.4

87757 2000 SN_{84} 2 28.9 142°.51 0°.9/27.9 18

1 22	11 9.57	+ 8 3.1	2.278	3.061	13.0	20.4
2 1	11 5.15	+ 8 41.4	2.196	3.071	10.0	20.2
2 11	10 58.79	+ 9 30.1	2.138	3.080	6.6	20.0
2 21	10 51.01	+10 24.8	2.108	3.088	2.9	19.8
3 2	10 42.56	+11 20.1	2.108	3.097	1.5	19.7
3 12	10 34.31	+12 10.4	2.138	3.104	5.1	19.9
3 22	10 27.07	+12 51.2	2.196	3.111	8.6	20.2
4 1	10 21.49	+13 19.7	2.279	3.118	11.7	20.4

199592 2006 FU_{19} 2 28.9 266°.88 1°.0/27.9 17

1 22	11 8.25	+ 8 45.2	2.079	2.872	13.7	21.2
2 1	11 4.40	+ 9 13.6	1.991	2.871	10.6	21.0
2 11	10 58.45	+ 9 52.6	1.926	2.870	7.0	20.7
2 21	10 50.92	+10 38.0	1.888	2.869	3.1	20.5
3 2	10 42.58	+11 24.1	1.879	2.868	1.7	20.4
3 12	10 34.40	+12 5.3	1.899	2.866	5.5	20.6
3 22	10 27.27	+12 36.9	1.946	2.865	9.3	20.9
4 1	10 21.93	+12 56.0	2.017	2.864	12.7	21.1

258192 2001 SF_{234} 2 28.9 99°.43 0°.5/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 10.44	+ 6 24.8	1.954	2.740	14.7	21.6
2 1	11 6.04	+ 7 1.1	1.883	2.758	11.4	21.4
2 11	10 59.47	+ 7 50.2	1.835	2.777	7.5	21.2
2 21	10 51.33	+ 8 47.3	1.814	2.794	3.3	21.0
3 2	10 42.49	+ 9 46.4	1.822	2.812	1.2	20.8
3 12	10 33.98	+10 40.9	1.859	2.829	5.4	21.1
3 22	10 26.69	+11 25.4	1.924	2.846	9.3	21.4
4 1	10 21.32	+11 56.9	2.013	2.862	12.6	21.7

465689 2009 SO_{269} 2 28.9 147°.25 2°.3/ 2.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.18	− 2 36.6	2.117	2.868	14.8	22.0
2 1	11 3.52	− 2 11.2	2.027	2.874	12.0	21.9
2 11	10 57.83	− 1 26.8	1.959	2.879	8.6	21.6
2 21	10 50.63	− 0 25.6	1.916	2.884	4.9	21.4
3 2	10 42.66	+ 0 47.7	1.902	2.888	2.3	21.3
3 12	10 34.85	+ 2 6.7	1.917	2.893	4.6	21.4
3 22	10 28.04	+ 3 24.3	1.961	2.896	8.3	21.6
4 1	10 22.93	+ 4 34.3	2.031	2.900	11.7	21.9

346276 2008 GA_{140} 2 28.9 195°.77 0°.4/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.99	+ 6 1.5	1.738	2.524	16.3	21.9
2 1	11 9.37	+ 6 32.9	1.647	2.521	12.8	21.6
2 11	11 2.07	+ 7 20.0	1.578	2.519	8.6	21.4
2 21	10 52.66	+ 8 18.4	1.535	2.515	3.9	21.1
3 2	10 42.12	+ 9 21.1	1.520	2.510	1.3	20.9
3 12	10 31.71	+10 20.4	1.534	2.505	6.2	21.2
3 22	10 22.63	+11 9.3	1.575	2.498	10.9	21.5
4 1	10 15.82	+11 43.6	1.640	2.491	14.9	21.7

55388 2001 SN_{276} 2 28.9 172°.08 3°.8/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.00	+14 3.4	1.808	2.614	14.9	20.1
2 1	11 8.46	+15 15.8	1.730	2.618	11.5	19.9
2 11	11 1.36	+16 38.0	1.675	2.621	7.7	19.7
2 21	10 52.29	+18 1.8	1.647	2.623	4.4	19.5
3 2	10 42.24	+19 18.2	1.648	2.625	4.6	19.5
3 12	10 32.42	+20 19.0	1.677	2.625	8.1	19.7
3 22	10 23.95	+20 59.2	1.733	2.626	11.9	19.9
4 1	10 17.70	+21 17.6	1.811	2.625	15.3	20.1

415615 2014 QA_{359} 2 28.9 133°.44 1°.5/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 9.42	+ 0 46.7	1.815	2.588	16.2	21.5
2 1	11 5.58	+ 1 8.2	1.732	2.594	12.9	21.3
2 11	10 59.37	+ 1 48.2	1.669	2.601	9.0	21.1
2 21	10 51.37	+ 2 43.8	1.632	2.607	4.6	20.8
3 2	10 42.48	+ 3 49.4	1.623	2.613	1.6	20.6
3 12	10 33.80	+ 4 57.8	1.643	2.618	5.2	20.9
3 22	10 26.35	+ 6 1.7	1.689	2.623	9.5	21.2
4 1	10 20.92	+ 6 55.2	1.761	2.628	13.2	21.4

200017 2007 MC_{12} 2 28.9 71°.45 0°.4/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.19	+ 4 14.0	2.049	2.831	14.3	21.0
2 1	11 3.57	+ 4 38.1	1.964	2.835	11.2	20.8
2 11	10 57.89	+ 5 16.2	1.902	2.840	7.6	20.6
2 21	10 50.67	+ 6 4.7	1.865	2.844	3.5	20.4
3 2	10 42.68	+ 6 58.7	1.857	2.848	0.8	20.2
3 12	10 34.87	+ 7 52.0	1.879	2.852	4.9	20.5
3 22	10 28.11	+ 8 39.0	1.927	2.857	8.8	20.7
4 1	10 23.11	+ 9 15.7	2.001	2.861	12.2	20.9

166156 2002 EZ_{29} 2 28.9 358°.75 3°.1/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.14	+11 23.3	1.126	1.968	19.7	19.8
2 1	11 4.41	+11 58.9	1.057	1.965	15.3	19.5
2 11	10 59.32	+12 49.8	1.007	1.962	10.1	19.2
2 21	10 51.56	+13 48.0	0.979	1.961	4.8	18.9
3 2	10 42.44	+14 42.7	0.975	1.961	4.0	18.9
3 12	10 33.67	+15 23.4	0.994	1.962	9.1	19.2
3 22	10 26.78	+15 43.5	1.035	1.965	14.4	19.5
4 1	10 22.88	+15 40.4	1.095	1.969	19.0	19.7

250091 2002 GF_{64} 2 28.9 276°.20 0°.5/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 8.92	+ 3 49.1	1.674	2.464	16.6	21.1
2 1	11 5.71	+ 4 13.0	1.569	2.445	13.2	20.8
2 11	10 59.83	+ 4 55.5	1.486	2.426	9.1	20.5
2 21	10 51.75	+ 5 53.5	1.427	2.406	4.3	20.2
3 2	10 42.36	+ 7 0.9	1.396	2.386	1.0	19.9
3 12	10 32.89	+ 8 9.5	1.392	2.366	6.2	20.2
3 22	10 24.59	+ 9 11.2	1.414	2.346	11.1	20.4
4 1	10 18.50	+ 9 59.5	1.460	2.326	15.5	20.6

283946 2004 PV_{64} 2 28.9 134°.50 0°.5/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 13.69	+ 3 56.9	1.916	2.688	15.5	21.8
2 1	11 8.66	+ 4 20.3	1.838	2.703	12.1	21.6
2 11	11 1.29	+ 4 58.6	1.782	2.717	8.2	21.4
2 21	10 52.20	+ 5 47.8	1.753	2.731	3.9	21.2
3 2	10 42.30	+ 6 42.5	1.753	2.744	0.9	21.0
3 12	10 32.71	+ 7 35.9	1.783	2.756	5.2	21.3
3 22	10 24.40	+ 8 22.4	1.841	2.767	9.3	21.6
4 1	10 18.13	+ 8 57.9	1.924	2.778	12.9	21.8

132257 2002 EW_{110} 2 28.9 15°.31 4°.2/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 8.10	+13 2.6	1.381	2.210	17.4	19.4
2 1	11 5.35	+14 15.4	1.310	2.211	13.4	19.2
2 11	10 59.63	+15 41.6	1.261	2.213	8.9	18.9
2 21	10 51.61	+17 11.7	1.236	2.215	4.9	18.7
3 2	10 42.44	+18 34.2	1.237	2.217	5.2	18.7
3 12	10 33.58	+19 38.5	1.264	2.220	9.3	19.0
3 22	10 26.35	+20 18.6	1.315	2.223	13.8	19.2
4 1	10 21.72	+20 32.5	1.386	2.227	17.7	19.5

519598 2012 TE_{329} 2 28.9 185°.94 3°.2/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.35	− 6 4.4	2.698	3.419	12.7	22.0
2 1	11 1.70	− 5 55.6	2.597	3.419	10.5	21.8
2 11	10 56.43	− 5 30.6	2.517	3.419	7.9	21.6
2 21	10 49.97	− 4 50.3	2.464	3.418	5.2	21.5
3 2	10 42.88	− 3 57.1	2.440	3.417	3.3	21.3
3 12	10 35.87	− 2 55.3	2.445	3.415	4.2	21.4
3 22	10 29.60	− 1 50.1	2.480	3.414	6.8	21.5
4 1	10 24.64	− 0 46.5	2.541	3.412	9.6	21.7

344818 2004 DJ_{59} 2 28.9 0°.93 1°.4/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.10	+ 6 14.5	1.226	2.049	19.6	20.4
2 1	11 4.91	+ 7 8.7	1.152	2.048	15.3	20.1
2 11	10 59.55	+ 8 25.5	1.097	2.047	10.2	19.8
2 21	10 51.65	+ 9 58.0	1.065	2.047	4.5	19.5
3 2	10 42.42	+11 34.8	1.059	2.048	2.4	19.3
3 12	10 33.46	+13 2.8	1.077	2.048	8.1	19.7
3 22	10 26.23	+14 12.1	1.119	2.050	13.5	20.0
4 1	10 21.79	+14 56.9	1.182	2.051	18.2	20.3

383743 2007 VB_{61} 2 28.9 71°.13 2°.8/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.52	− 2 30.6	2.272	3.020	14.0	21.4
2 1	11 2.84	− 2 30.4	2.184	3.027	11.4	21.2
2 11	10 57.30	− 2 14.3	2.118	3.035	8.3	21.0
2 21	10 50.38	− 1 43.6	2.078	3.042	5.0	20.8
3 2	10 42.78	− 1 1.3	2.066	3.049	2.8	20.7
3 12	10 35.34	− 0 12.2	2.083	3.057	4.5	20.8
3 22	10 28.84	+ 0 38.3	2.128	3.064	7.7	21.0
4 1	10 23.90	+ 1 25.2	2.199	3.072	10.8	21.2

107571 2001 DM_{90} 2 28.9 280°.54 1°.6/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.59	− 0 28.5	2.198	2.960	14.0	19.5
2 1	11 2.45	− 0 0.6	2.081	2.937	11.3	19.2
2 11	10 57.28	+ 0 45.4	1.987	2.914	8.0	19.0
2 21	10 50.48	+ 1 47.5	1.918	2.891	4.4	18.7
3 2	10 42.73	+ 3 1.6	1.878	2.867	1.7	18.5
3 12	10 34.90	+ 4 21.4	1.868	2.843	4.7	18.6
3 22	10 27.88	+ 5 39.7	1.885	2.819	8.7	18.8
4 1	10 22.46	+ 6 50.3	1.929	2.795	12.3	19.0

489334 2006 TA_{101} 2 28.9 164°.94 3°.0/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.53	− 5 1.9	2.720	3.446	12.5	21.8
2 1	11 1.80	− 4 57.5	2.622	3.449	10.2	21.6
2 11	10 56.48	− 4 37.9	2.546	3.451	7.6	21.5
2 21	10 49.98	− 4 4.1	2.497	3.453	4.9	21.3
3 2	10 42.89	− 3 18.5	2.476	3.455	3.1	21.2
3 12	10 35.89	− 2 25.2	2.485	3.456	4.1	21.2
3 22	10 29.63	− 1 28.8	2.524	3.458	6.7	21.4
4 1	10 24.68	− 0 34.0	2.589	3.459	9.4	21.6

224631 2005 YG_{155} 2 28.9 101°.47 3°.4/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 12.04	− 2 27.5	2.049	2.793	15.5	20.8
2 1	11 7.26	− 2 49.9	1.967	2.807	12.6	20.7
2 11	11 0.31	− 2 56.0	1.907	2.820	9.2	20.5
2 21	10 51.75	− 2 46.7	1.872	2.834	5.7	20.3
3 2	10 42.43	− 2 24.2	1.865	2.847	3.4	20.2
3 12	10 33.35	− 1 53.0	1.888	2.860	5.1	20.3
3 22	10 25.43	− 1 18.3	1.938	2.872	8.5	20.5
4 1	10 19.38	− 0 45.1	2.014	2.884	11.7	20.7

458978 2011 WV_{63} 2 28.9 182°.89 5°.7/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 15.46	+22 14.7	2.175	2.977	12.9	22.1
2 1	11 10.03	+23 29.9	2.098	2.978	10.1	21.9
2 11	11 2.23	+24 46.6	2.045	2.979	7.4	21.8
2 21	10 52.65	+25 56.8	2.021	2.978	5.7	21.7
3 2	10 42.19	+26 52.6	2.025	2.977	6.5	21.7
3 12	10 31.96	+27 28.2	2.059	2.974	8.9	21.8
3 22	10 22.95	+27 41.5	2.118	2.971	11.8	22.0
4 1	10 15.98	+27 33.1	2.200	2.967	14.4	22.2

267467 2002 EP_{140} 2 28.9 94°.93 0°.6/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.71	+ 5 48.5	1.937	2.728	14.6	20.9
2 1	11 3.36	+ 6 35.9	1.852	2.731	11.4	20.7
2 11	10 57.85	+ 7 38.3	1.791	2.734	7.5	20.5
2 21	10 50.69	+ 8 50.8	1.756	2.737	3.3	20.2
3 2	10 42.70	+10 6.7	1.750	2.739	1.3	20.1
3 12	10 34.90	+11 18.3	1.772	2.742	5.6	20.4
3 22	10 28.19	+12 19.3	1.822	2.745	9.6	20.6
4 1	10 23.33	+13 5.4	1.896	2.747	13.1	20.9

313628 2003 RC_{23} 2 28.9 94°.90 3°.1/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 14.37	+12 51.7	1.726	2.530	15.6	20.8
2 1	11 9.32	+13 47.5	1.668	2.555	12.0	20.6
2 11	11 1.74	+14 51.9	1.633	2.579	7.9	20.4
2 21	10 52.38	+15 57.4	1.625	2.603	4.0	20.2
3 2	10 42.30	+16 55.9	1.645	2.627	3.8	20.2
3 12	10 32.73	+17 40.4	1.694	2.649	7.3	20.5
3 22	10 24.69	+18 7.3	1.768	2.672	11.1	20.8
4 1	10 18.93	+18 15.8	1.866	2.693	14.4	21.0

289871 2005 MP_{17} 2 28.9 207°.28 1°.5/ 1.7 17

1 22	11 6.77	+ 0 56.7	2.786	3.537	11.6	21.6
2 1	11 2.73	+ 1 4.4	2.683	3.533	9.3	21.4
2 11	10 57.10	+ 1 23.7	2.604	3.529	6.5	21.2
2 21	10 50.27	+ 1 52.9	2.553	3.524	3.5	21.0
3 2	10 42.82	+ 2 29.2	2.531	3.519	1.5	20.8
3 12	10 35.44	+ 3 8.8	2.540	3.514	3.8	21.0
3 22	10 28.79	+ 3 47.7	2.579	3.509	6.8	21.2
4 1	10 23.42	+ 4 22.3	2.644	3.503	9.6	21.4

490687 2010 LV_{113} 2 28.9 246°.58 6°.8/21.4 17

1 22	11 12.15	+22 21.6	1.990	2.803	13.5	21.6
2 1	11 8.02	+24 11.3	1.896	2.783	10.7	21.4
2 11	11 1.27	+26 6.9	1.828	2.762	8.1	21.2
2 21	10 52.38	+27 58.2	1.788	2.741	6.8	21.1
3 2	10 42.23	+29 34.4	1.776	2.718	8.0	21.1
3 12	10 32.02	+30 46.5	1.792	2.695	10.8	21.2
3 22	10 22.94	+31 30.1	1.832	2.671	14.0	21.3
4 1	10 15.99	+31 44.9	1.893	2.647	16.9	21.5

457156 2008 GS_5 2 28.9 33°.22 1°.8/ 1.7 18

1 22	11 3.44	− 2 57.3	1.482	2.266	18.7	21.1
2 1	11 1.42	− 1 53.7	1.405	2.273	15.0	20.9
2 11	10 56.85	− 0 20.6	1.348	2.281	10.5	20.6
2 21	10 50.31	+ 1 37.3	1.315	2.290	5.5	20.3
3 2	10 42.81	+ 3 50.5	1.309	2.299	1.8	20.1
3 12	10 35.56	+ 6 6.2	1.331	2.308	5.8	20.4
3 22	10 29.67	+ 8 11.5	1.379	2.318	10.7	20.7
4 1	10 26.01	+ 9 57.3	1.451	2.328	14.9	21.0

102431 1999 TL_{205} 2 28.9 240°.79 1°.8/ 1.3 18

1 22	11 12.87	+ 0 58.9	1.738	2.508	16.9	20.7
2 1	11 8.72	+ 1 9.2	1.631	2.492	13.7	20.4
2 11	11 1.83	+ 1 38.6	1.544	2.475	9.7	20.1
2 21	10 52.67	+ 2 25.4	1.483	2.457	5.1	19.8
3 2	10 42.15	+ 3 25.1	1.449	2.438	1.8	19.6
3 12	10 31.53	+ 4 30.3	1.443	2.418	5.9	19.8
3 22	10 22.07	+ 5 33.1	1.465	2.398	10.7	20.0
4 1	10 14.85	+ 6 26.6	1.511	2.377	15.1	20.2

341517 2007 TL_{427} 2 28.9 128°.35 2°.1/26.3 18

1 22	11 6.46	+11 26.4	2.532	3.325	11.5	20.9
2 1	11 2.61	+12 28.8	2.453	3.336	8.8	20.8
2 11	10 57.04	+13 39.1	2.401	3.345	5.7	20.6
2 21	10 50.24	+14 52.2	2.376	3.355	2.8	20.4
3 2	10 42.85	+16 2.4	2.382	3.364	2.7	20.4
3 12	10 35.63	+17 3.9	2.418	3.373	5.5	20.6
3 22	10 29.29	+17 53.0	2.483	3.382	8.5	20.8
4 1	10 24.38	+18 27.2	2.572	3.390	11.1	21.0

21385 1998 FV_8 2 28.9 267°.87 1°.6/27.7 18

1 22	11 10.16	+ 8 51.1	1.723	2.525	15.7	19.6
2 1	11 6.58	+ 9 28.5	1.623	2.508	12.3	19.3
2 11	11 0.35	+10 20.2	1.546	2.492	8.2	19.0
2 21	10 51.98	+11 21.1	1.494	2.475	3.7	18.7
3 2	10 42.36	+12 23.9	1.469	2.457	2.3	18.5
3 12	10 32.74	+13 20.3	1.473	2.440	6.9	18.8
3 22	10 24.33	+14 3.6	1.503	2.422	11.5	19.0
4 1	10 18.11	+14 29.8	1.555	2.405	15.6	19.2

176988 2002 YR_{29} 2 28.9 37°.41 2°.6/ 2.5 17 R

1 22	11 7.61	− 1 5.6	2.243	2.996	14.0	20.0
2 1	11 3.75	− 1 15.9	2.151	2.999	11.3	19.8
2 11	10 57.95	− 1 11.6	2.082	3.002	8.2	19.7
2 21	10 50.71	− 0 53.9	2.038	3.005	4.9	19.4
3 2	10 42.73	− 0 25.5	2.023	3.008	2.6	19.3
3 12	10 34.90	+ 0 9.5	2.037	3.011	4.6	19.4
3 22	10 28.01	+ 0 46.2	2.079	3.014	7.9	19.6
4 1	10 22.73	+ 1 19.9	2.146	3.017	11.0	19.8

264499 2001 QX_{54} 2 28.9 138°.46 1°.0/27.9 18

1 22	11 12.07	+ 8 42.0	2.362	3.140	12.7	22.1
2 1	11 6.97	+ 9 14.4	2.283	3.154	9.8	21.9
2 11	10 59.96	+ 9 55.8	2.228	3.168	6.5	21.7
2 21	10 51.56	+10 42.2	2.202	3.182	2.8	21.5
3 2	10 42.53	+11 28.5	2.206	3.194	1.5	21.4
3 12	10 33.75	+12 9.6	2.240	3.206	5.0	21.7
3 22	10 26.00	+12 41.7	2.304	3.217	8.4	21.9
4 1	10 19.91	+13 2.4	2.393	3.228	11.3	22.1

325652 2009 SM_{332} 2 28.9 224°.93 0°.1/29.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 13.04	+ 6 27.4	2.427	3.194	12.7	22.0
2 1	11 7.92	+ 6 36.8	2.318	3.182	10.0	21.8
2 11	11 0.76	+ 6 56.1	2.233	3.168	6.8	21.6
2 21	10 52.01	+ 7 22.4	2.176	3.155	3.1	21.3
3 2	10 42.39	+ 7 52.1	2.150	3.140	0.8	21.1
3 12	10 32.79	+ 8 20.7	2.154	3.125	4.7	21.3
3 22	10 24.07	+ 8 44.3	2.187	3.108	8.4	21.5
4 1	10 16.97	+ 8 59.8	2.247	3.092	11.6	21.7

337522 2001 SQ_{160} 2 28.9 151°.55 3°.2/ 4.0 18

1 22	11 5.65	− 6 21.2	2.786	3.503	12.4	21.5
2 1	11 1.84	− 6 10.2	2.690	3.509	10.2	21.3
2 11	10 56.48	− 5 43.2	2.616	3.516	7.7	21.2
2 21	10 49.99	− 5 1.4	2.569	3.521	5.0	21.0
3 2	10 42.93	− 4 7.3	2.550	3.527	3.2	20.9
3 12	10 35.98	− 3 5.2	2.562	3.532	4.1	21.0
3 22	10 29.77	− 1 59.8	2.603	3.537	6.6	21.1
4 1	10 24.84	− 0 56.3	2.672	3.541	9.2	21.3

203472 2002 AH_{17} 2 28.9 65°.20 3°.2/ 2.2 18

1 22	11 13.29	− 0 33.0	1.395	2.176	19.8	20.2
2 1	11 9.07	− 0 50.5	1.331	2.195	15.9	20.0
2 11	11 1.91	− 0 46.5	1.286	2.214	11.4	19.8
2 21	10 52.58	− 0 22.8	1.264	2.234	6.5	19.5
3 2	10 42.28	+ 0 16.1	1.268	2.254	3.2	19.4
3 12	10 32.47	+ 1 2.6	1.298	2.274	6.2	19.6
3 22	10 24.40	+ 1 48.9	1.354	2.294	10.8	19.9
4 1	10 18.96	+ 2 28.3	1.432	2.313	14.9	20.2

15568 2000 GP_{54} 2 28.9 21°.55 0°.5/29.4 18 R

1 22	11 7.05	+ 4 27.2	2.060	2.842	14.2	18.4
2 1	11 3.49	+ 4 44.8	1.972	2.844	11.1	18.2
2 11	10 57.87	+ 5 15.8	1.908	2.845	7.6	18.0
2 21	10 50.70	+ 5 57.1	1.869	2.847	3.6	17.8
3 2	10 42.76	+ 6 43.8	1.859	2.849	0.8	17.6
3 12	10 34.97	+ 7 30.2	1.877	2.851	4.9	17.9
3 22	10 28.23	+ 8 11.1	1.923	2.853	8.8	18.1
4 1	10 23.22	+ 8 42.4	1.994	2.856	12.2	18.3

217869 2001 QW_{159} 2 28.9 230°.53 0°.2/29.1 17

1 22	11 12.23	+ 6 0.0	2.105	2.881	14.1	21.2
2 1	11 7.59	+ 6 8.9	2.003	2.871	11.1	21.0
2 11	11 0.70	+ 6 29.4	1.924	2.861	7.6	20.7
2 21	10 52.04	+ 6 58.7	1.871	2.850	3.5	20.5
3 2	10 42.40	+ 7 32.3	1.848	2.838	0.8	20.2
3 12	10 32.82	+ 8 5.0	1.854	2.826	5.1	20.5
3 22	10 24.26	+ 8 32.3	1.889	2.814	9.2	20.7
4 1	10 17.55	+ 8 50.4	1.948	2.801	12.8	20.9

262541 2006 VR_6 2 28.9 129°.90 2°.4/ 2.4 18

1 22	11 11.24	− 1 50.7	2.233	2.975	14.4	22.4
2 1	11 6.45	− 1 40.4	2.150	2.992	11.6	22.3
2 11	10 59.68	− 1 13.8	2.090	3.008	8.3	22.1
2 21	10 51.47	− 0 32.9	2.057	3.024	4.8	21.9
3 2	10 42.58	+ 0 18.6	2.053	3.038	2.4	21.7
3 12	10 33.92	+ 1 15.2	2.078	3.052	4.5	21.9
3 22	10 26.32	+ 2 11.3	2.133	3.065	7.9	22.1
4 1	10 20.42	+ 3 1.9	2.214	3.078	11.1	22.4

239385 2007 SK_{13} 2 28.9 92°.77 1°.1/27.9 18

1 22	11 10.53	+10 12.7	2.268	3.056	12.9	20.6
2 1	11 5.88	+10 29.3	2.190	3.068	9.9	20.4
2 11	10 59.28	+10 53.4	2.136	3.079	6.5	20.2
2 21	10 51.27	+11 21.3	2.109	3.090	2.9	20.0
3 2	10 42.64	+11 48.4	2.112	3.101	1.6	19.9
3 12	10 34.26	+12 10.3	2.145	3.111	5.1	20.1
3 22	10 26.93	+12 23.9	2.206	3.122	8.5	20.4
4 1	10 21.30	+12 27.2	2.292	3.133	11.6	20.6

290082 2005 QQ_{89} 2 28.9 175°.04 0°.0/28.9 17

1 22	11 6.10	+ 5 40.3	3.007	3.775	10.5	22.1
2 1	11 2.07	+ 6 7.0	2.913	3.777	8.2	22.0
2 11	10 56.58	+ 6 42.7	2.843	3.779	5.5	21.8
2 21	10 50.03	+ 7 24.7	2.801	3.780	2.5	21.6
3 2	10 42.95	+ 8 9.3	2.790	3.781	0.6	21.4
3 12	10 35.98	+ 8 52.8	2.811	3.781	3.7	21.7
3 22	10 29.69	+ 9 31.5	2.860	3.781	6.6	21.9
4 1	10 24.59	+10 2.7	2.937	3.781	9.2	22.0

343072 2009 CL_{56} 2 28.9 178°.23 0°.4/29.4 17

1 22	11 6.81	+ 4 19.5	2.547	3.317	12.1	22.0
2 1	11 2.90	+ 4 43.6	2.453	3.318	9.5	21.8
2 11	10 57.28	+ 5 19.1	2.383	3.318	6.4	21.6
2 21	10 50.39	+ 6 3.1	2.341	3.319	3.0	21.4
3 2	10 42.86	+ 6 51.6	2.328	3.319	0.7	21.2
3 12	10 35.44	+ 7 39.8	2.346	3.319	4.2	21.4
3 22	10 28.84	+ 8 23.2	2.393	3.318	7.5	21.6
4 1	10 23.66	+ 8 58.5	2.465	3.318	10.5	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
84516 2002 TK_{293}			2 28.9 107°.25		0°.5/28.4 18	
	h m	° ′			°	m
1 22	11 9.92	+ 7 42.7	2.829	3.599	11.0	20.0
2 1	11 4.92	+ 8 8.1	2.758	3.624	8.5	19.9
2 11	10 58.39	+ 8 41.1	2.712	3.649	5.6	19.7
2 21	10 50.80	+ 9 18.5	2.694	3.674	2.5	19.5
3 2	10 42.77	+ 9 56.4	2.708	3.698	1.0	19.5
3 12	10 35.00	+10 31.1	2.753	3.721	4.0	19.7
3 22	10 28.08	+10 59.5	2.828	3.743	6.9	19.9
4 1	10 22.53	+11 19.4	2.929	3.765	9.4	20.1
480728 2016 JG_{34}			2 28.9 241°.76		5°.4/ 6.9 18	
1 22	11 6.94	−14 44.1	3.202	3.852	12.1	22.4
2 1	11 2.84	−15 6.0	3.076	3.834	10.5	22.2
2 11	10 57.20	−15 12.0	2.971	3.815	8.7	22.1
2 21	10 50.37	−15 0.8	2.891	3.796	6.9	21.9
3 2	10 42.86	−14 32.6	2.838	3.776	5.6	21.8
3 12	10 35.29	−13 49.4	2.815	3.756	5.6	21.8
3 22	10 28.28	−12 54.8	2.820	3.735	7.0	21.8
4 1	10 22.41	−11 53.4	2.852	3.713	8.9	21.9
376243 2011 EA_{69}			2 28.9 119°.60		2°.6/26.2 18	
1 22	11 8.22	+12 16.1	2.108	2.910	13.2	20.9
2 1	11 4.34	+13 14.5	2.031	2.918	10.1	20.7
2 11	10 58.40	+14 21.7	1.979	2.925	6.7	20.5
2 21	10 50.93	+15 31.6	1.954	2.932	3.4	20.3
3 2	10 42.74	+16 37.4	1.958	2.939	3.3	20.3
3 12	10 34.76	+17 32.5	1.991	2.946	6.5	20.5
3 22	10 27.87	+18 12.8	2.051	2.953	9.9	20.8
4 1	10 22.74	+18 36.1	2.135	2.959	12.9	21.0
505079 2011 UY_{45}			2 28.9 241°.11		8°.3/15.8 17	
1 22	11 13.84	+39 52.2	2.986	3.764	10.3	21.9
2 1	11 8.58	+41 13.5	2.916	3.748	9.2	21.8
2 11	11 1.20	+42 25.9	2.870	3.732	8.4	21.7
2 21	10 52.22	+43 22.6	2.851	3.716	8.4	21.7
3 2	10 42.43	+43 57.8	2.857	3.699	9.2	21.7
3 12	10 32.79	+44 8.5	2.889	3.681	10.5	21.8
3 22	10 24.19	+43 54.6	2.942	3.664	12.0	21.9
4 1	10 17.38	+43 18.3	3.015	3.645	13.4	22.0
209551 2004 VZ_{57}			2 28.9 98°.70		2°.5/26.8 18	
1 22	11 14.44	+11 9.3	1.691	2.492	16.0	20.7
2 1	11 9.45	+12 4.3	1.632	2.516	12.3	20.5
2 11	11 1.89	+13 9.7	1.595	2.540	8.0	20.3
2 21	10 52.51	+14 18.4	1.584	2.564	3.8	20.1
3 2	10 42.39	+15 21.9	1.602	2.586	3.2	20.1
3 12	10 32.75	+16 12.9	1.648	2.608	7.1	20.4
3 22	10 24.67	+16 47.0	1.721	2.630	11.0	20.7
4 1	10 18.88	+17 2.7	1.817	2.650	14.4	20.9
112356 2002 NY_{14}			2 28.9 236°.57		1°.5/27.6 16	
1 22	11 12.04	+ 9 40.7	1.997	2.788	14.3	20.7
2 1	11 7.64	+10 14.3	1.896	2.775	11.1	20.5
2 11	11 0.85	+10 59.1	1.819	2.762	7.4	20.2
2 21	10 52.17	+11 50.5	1.768	2.748	3.4	20.0
3 2	10 42.43	+12 42.2	1.746	2.733	2.2	19.8
3 12	10 32.73	+13 27.5	1.753	2.718	6.2	20.1
3 22	10 24.10	+14 1.4	1.788	2.702	10.3	20.3
4 1	10 17.43	+14 20.6	1.846	2.686	14.0	20.5
317641 2003 EH_{30}			2 28.9 312°.79		1°.5/29.9 17	
1 22	11 12.37	+ 4 55.4	1.659	2.447	16.8	20.4
2 1	11 8.37	+ 4 29.4	1.560	2.433	13.5	20.2
2 11	11 1.60	+ 4 15.7	1.483	2.420	9.4	19.9
2 21	10 52.60	+ 4 12.5	1.430	2.407	4.8	19.6
3 2	10 42.32	+ 4 17.0	1.404	2.394	1.6	19.3
3 12	10 32.08	+ 4 24.4	1.406	2.381	5.9	19.6
3 22	10 23.12	+ 4 30.1	1.434	2.369	10.7	19.8
4 1	10 16.49	+ 4 30.1	1.485	2.358	14.9	20.1
430697 2004 BK_{58}			2 28.9 45°.31		4°.5/ 3.9 18	
1 22	11 8.47	− 5 17.4	1.893	2.637	16.6	20.7
2 1	11 4.69	− 5 43.8	1.817	2.653	13.7	20.5
2 11	10 58.70	− 5 50.7	1.762	2.669	10.3	20.3
2 21	10 51.10	− 5 38.4	1.731	2.686	6.9	20.1
3 2	10 42.74	− 5 9.1	1.727	2.703	4.6	20.0
3 12	10 34.65	− 4 27.8	1.751	2.721	5.7	20.1
3 22	10 27.76	− 3 40.7	1.801	2.738	8.7	20.4
4 1	10 22.76	− 2 54.0	1.876	2.756	11.9	20.6
367487 2009 GH_{1}			2 28.9 278°.49		0°.5/29.3 17	
1 22	11 8.79	+ 4 5.2	1.704	2.495	16.3	22.0
2 1	11 5.53	+ 4 26.0	1.603	2.479	13.0	21.8
2 11	10 59.68	+ 5 4.4	1.524	2.464	8.9	21.5
2 21	10 51.72	+ 5 57.0	1.469	2.448	4.2	21.2
3 2	10 42.55	+ 6 58.1	1.442	2.432	1.0	20.9
3 12	10 33.36	+ 7 59.9	1.442	2.416	6.0	21.2
3 22	10 25.34	+ 8 55.0	1.468	2.400	10.8	21.4
4 1	10 19.48	+ 9 37.4	1.518	2.384	15.0	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
452554 2004 XC_{110}			2 28.9 99°.18		4°.3/25.5 18	
	h m	° ′			°	m
1 22	11 16.09	+15 56.8	1.697	2.504	15.7	21.6
2 1	11 10.73	+17 0.3	1.642	2.530	12.0	21.4
2 11	11 2.74	+18 9.6	1.610	2.554	8.1	21.2
2 21	10 52.89	+19 16.3	1.604	2.578	4.8	21.1
3 2	10 42.31	+20 11.8	1.627	2.601	5.0	21.2
3 12	10 32.28	+20 49.5	1.678	2.624	8.3	21.4
3 22	10 23.89	+21 6.7	1.754	2.646	11.8	21.7
4 1	10 17.88	+21 3.7	1.853	2.667	15.0	21.9
309855 2009 DF_{39}			2 28.9 102°.26		1°.0/29.8 18	
1 22	11 12.37	+ 2 31.2	1.680	2.459	17.0	22.1
2 1	11 7.94	+ 2 53.8	1.609	2.477	13.4	21.9
2 11	11 0.98	+ 3 34.3	1.560	2.495	9.2	21.7
2 21	10 52.16	+ 4 28.6	1.535	2.512	4.5	21.4
3 2	10 42.50	+ 5 30.4	1.539	2.529	1.1	21.2
3 12	10 33.21	+ 6 32.1	1.571	2.546	5.5	21.6
3 22	10 25.36	+ 7 26.7	1.630	2.562	9.9	21.8
4 1	10 19.73	+ 8 9.3	1.713	2.577	13.7	22.1
466428 2013 TR_{39}			2 28.9 245°.90		3°.4/ 3.5 17	
1 22	11 7.11	− 5 22.7	2.215	2.949	14.7	22.5
2 1	11 3.59	− 5 10.4	2.103	2.936	12.2	22.3
2 11	10 58.04	− 4 38.3	2.013	2.922	9.1	22.1
2 21	10 50.88	− 3 47.0	1.948	2.907	5.8	21.8
3 2	10 42.80	− 2 39.4	1.911	2.892	3.5	21.6
3 12	10 34.70	− 1 21.2	1.904	2.877	4.9	21.7
3 22	10 27.46	+ 0 0.8	1.925	2.861	8.3	21.9
4 1	10 21.85	+ 1 19.4	1.972	2.845	11.8	22.1
248701 2006 MK_{10}			2 28.9 153°.94		1°.2/27.8 18	
1 22	11 11.62	+ 8 20.5	2.061	2.847	14.0	21.0
2 1	11 7.01	+ 9 2.4	1.979	2.855	10.9	20.8
2 11	11 0.22	+ 9 55.9	1.920	2.863	7.2	20.6
2 21	10 51.80	+10 55.9	1.889	2.870	3.2	20.4
3 2	10 42.59	+11 56.2	1.887	2.876	1.8	20.3
3 12	10 33.60	+12 50.3	1.915	2.881	5.7	20.6
3 22	10 25.75	+13 33.2	1.971	2.886	9.5	20.8
4 1	10 19.77	+14 1.9	2.052	2.891	12.8	21.0
384524 2010 DF_{22}			2 28.9 255°.94		3°.1/25.3 17	
1 22	11 5.95	+14 27.0	2.414	3.218	11.7	21.1
2 1	11 2.48	+15 31.5	2.322	3.210	9.0	20.9
2 11	10 57.15	+16 43.2	2.256	3.202	6.0	20.7
2 21	10 50.42	+17 56.6	2.218	3.193	3.5	20.5
3 2	10 42.94	+19 5.1	2.209	3.185	3.7	20.5
3 12	10 35.55	+20 3.0	2.230	3.176	6.5	20.6
3 22	10 29.01	+20 45.9	2.277	3.168	9.6	20.8
4 1	10 23.99	+21 11.9	2.349	3.159	12.3	21.0
83774 2001 TS_{171}			2 28.9 276°.13		5°.6/22.2 18	
1 22	11 7.10	+22 31.8	2.301	3.116	11.8	19.5
2 1	11 3.52	+23 53.2	2.223	3.111	9.3	19.3
2 11	10 57.91	+25 16.4	2.171	3.107	6.9	19.2
2 21	10 50.77	+26 33.9	2.146	3.102	5.6	19.1
3 2	10 42.86	+27 38.3	2.150	3.098	6.4	19.1
3 12	10 35.09	+28 24.0	2.182	3.093	8.7	19.2
3 22	10 28.33	+28 48.4	2.238	3.089	11.3	19.4
4 1	10 23.27	+28 51.2	2.317	3.084	13.7	19.6
30 Urania			2 28.9 110°.43		0°.7/29.6 18	R
1 22	11 12.64	+ 3 45.8	1.682	2.465	16.8	11.6
2 1	11 8.21	+ 4 1.4	1.607	2.477	13.3	11.3
2 11	11 1.22	+ 4 33.3	1.553	2.490	9.0	11.1
2 21	10 52.30	+ 5 17.8	1.524	2.502	4.3	10.9
3 2	10 42.48	+ 6 9.1	1.524	2.514	1.0	10.6
3 12	10 32.99	+ 7 0.0	1.551	2.526	5.6	11.0
3 22	10 24.93	+ 7 44.0	1.606	2.537	10.1	11.3
4 1	10 19.11	+ 8 16.7	1.684	2.547	13.9	11.5
232922 2005 AP_{26}			2 28.9 191°.35		1°.9/ 1.8 18	
1 22	11 11.60	− 0 33.0	2.205	2.954	14.4	20.9
2 1	11 6.97	− 0 17.0	2.105	2.953	11.6	20.7
2 11	11 0.22	+ 0 15.5	2.028	2.950	8.2	20.5
2 21	10 51.84	+ 1 2.4	1.977	2.947	4.5	20.2
3 2	10 42.59	+ 1 59.9	1.955	2.943	1.9	20.0
3 12	10 33.42	+ 3 2.0	1.964	2.938	4.7	20.2
3 22	10 25.22	+ 4 2.8	2.002	2.932	8.4	20.4
4 1	10 18.76	+ 4 56.9	2.065	2.926	11.9	20.6
164591 2569 P–L			2 28.9 112°.92		3°.5/26.3 18	
1 22	11 17.55	+15 23.4	1.777	2.578	15.4	20.5
2 1	11 11.81	+16 2.4	1.713	2.597	11.8	20.3
2 11	11 3.46	+16 47.0	1.672	2.615	7.9	20.1
2 21	10 53.25	+17 30.3	1.657	2.633	4.3	19.9
3 2	10 42.27	+18 5.0	1.671	2.651	4.1	19.9
3 12	10 31.78	+18 25.5	1.714	2.667	7.5	20.1
3 22	10 22.87	+18 29.3	1.784	2.683	11.2	20.4
4 1	10 16.31	+18 16.4	1.877	2.699	14.5	20.6

490428 2009 SL_{75} 2 28.9 53°.32 5°.9/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 12.99	+20 43.7	1.628	2.449	15.6	21.3
2 1	11 8.49	+21 44.3	1.578	2.471	12.1	21.1
2 11	11 1.32	+22 45.9	1.550	2.493	8.5	20.9
2 21	10 52.28	+23 39.6	1.549	2.515	6.1	20.8
3 2	10 42.52	+24 17.0	1.574	2.537	6.6	20.9
3 12	10 33.36	+24 33.0	1.625	2.560	9.5	21.1
3 22	10 25.86	+24 26.3	1.702	2.583	12.7	21.4
4 1	10 20.76	+23 58.7	1.799	2.606	15.6	21.6

435008 2006 VU_{15} 2 28.9 216°.89 1°.7/26.9 18

1 22	11 7.74	+12 10.9	2.831	3.618	10.6	21.8
2 1	11 3.51	+12 44.1	2.734	3.612	8.2	21.6
2 11	10 57.66	+13 23.2	2.662	3.605	5.4	21.5
2 21	10 50.60	+14 4.7	2.619	3.598	2.6	21.2
3 2	10 42.92	+14 44.2	2.606	3.590	2.2	21.2
3 12	10 35.33	+15 17.7	2.623	3.582	4.9	21.4
3 22	10 28.49	+15 42.0	2.670	3.574	7.8	21.6
4 1	10 22.96	+15 55.2	2.742	3.565	10.4	21.7

109429 2001 QQ_{195} 2 28.9 170°.55 5°.6/ 5.4 18

1 22	11 13.53	−10 40.0	2.547	3.227	14.3	20.6
2 1	11 8.19	−11 19.5	2.447	3.232	12.1	20.4
2 11	11 0.89	−11 42.1	2.368	3.236	9.7	20.3
2 21	10 52.11	−11 46.6	2.314	3.239	7.3	20.1
3 2	10 42.53	−11 33.2	2.288	3.242	5.7	20.0
3 12	10 33.02	−11 4.4	2.292	3.243	6.0	20.0
3 22	10 24.40	−10 24.6	2.325	3.244	8.0	20.2
4 1	10 17.35	− 9 39.3	2.385	3.245	10.5	20.3

307461 2002 VN_{90} 2 28.9 81°.06 2°.6/26.7 18

1 22	11 12.77	+11 22.5	1.726	2.529	15.6	21.2
2 1	11 8.07	+12 21.7	1.671	2.557	11.9	21.0
2 11	11 0.94	+13 30.7	1.638	2.585	7.8	20.8
2 21	10 52.09	+14 42.3	1.633	2.612	3.8	20.6
3 2	10 42.57	+15 48.1	1.655	2.639	3.3	20.6
3 12	10 33.55	+16 41.0	1.707	2.666	7.0	20.9
3 22	10 26.03	+17 16.7	1.784	2.692	10.8	21.2
4 1	10 20.70	+17 34.0	1.885	2.717	14.0	21.4

425044 2009 PV_{7} 2 28.9 136°.37 2°.0/ 1.9 18

1 22	11 13.04	+ 0 11.7	2.463	3.204	13.2	22.2
2 1	11 7.67	+ 0 7.2	2.377	3.220	10.6	22.0
2 11	11 0.43	+ 0 15.4	2.315	3.234	7.5	21.8
2 21	10 51.84	+ 0 34.7	2.280	3.248	4.2	21.6
3 2	10 42.62	+ 1 2.3	2.275	3.261	2.0	21.5
3 12	10 33.61	+ 1 34.3	2.301	3.274	4.2	21.7
3 22	10 25.57	+ 2 6.3	2.356	3.285	7.4	21.9
4 1	10 19.14	+ 2 34.7	2.439	3.297	10.4	22.1

283110 2008 UD_{290} 2 28.9 58°.67 5°.8/23.0 18

1 22	11 8.98	+21 45.2	1.992	2.810	13.3	20.2
2 1	11 5.14	+23 0.3	1.928	2.819	10.4	20.0
2 11	10 59.04	+24 16.7	1.888	2.827	7.5	19.9
2 21	10 51.28	+25 26.4	1.875	2.836	5.8	19.8
3 2	10 42.77	+26 21.4	1.890	2.845	6.6	19.9
3 12	10 34.57	+26 56.2	1.932	2.854	9.1	20.0
3 22	10 27.62	+27 8.7	1.999	2.863	11.9	20.2
4 1	10 22.64	+26 59.3	2.087	2.872	14.5	20.4

151186 2001 XP_{216} 2 28.9 333°.73 3°.5/ 3.7 17

1 22	11 6.10	− 4 46.5	2.392	3.127	13.8	20.3
2 1	11 2.54	− 4 55.0	2.295	3.126	11.3	20.1
2 11	10 57.17	− 4 47.2	2.219	3.125	8.5	19.9
2 21	10 50.43	− 4 23.9	2.168	3.124	5.5	19.7
3 2	10 42.98	− 3 47.0	2.145	3.123	3.5	19.6
3 12	10 35.62	− 3 0.8	2.151	3.122	4.7	19.6
3 22	10 29.10	− 2 10.4	2.186	3.122	7.5	19.8
4 1	10 24.06	− 1 20.9	2.247	3.121	10.5	20.0

76640 2000 HR_{15} 2 28.9 173°.26 4°.5/23.9 18

1 22	11 10.97	+21 34.7	2.523	3.326	11.3	19.5
2 1	11 6.20	+22 25.0	2.445	3.327	8.8	19.4
2 11	10 59.53	+23 15.9	2.393	3.329	6.3	19.2
2 21	10 51.46	+24 1.6	2.368	3.330	4.6	19.1
3 2	10 42.73	+24 36.6	2.373	3.331	5.1	19.1
3 12	10 34.22	+24 56.7	2.406	3.332	7.3	19.3
3 22	10 26.70	+25 0.0	2.467	3.332	9.9	19.4
4 1	10 20.82	+24 46.7	2.551	3.332	12.3	19.6

467577 2007 UN_{2} 2 28.9 158°.62 0°.6/29.7 17

1 22	11 8.26	+ 3 47.3	2.679	3.441	11.8	22.1
2 1	11 3.92	+ 4 5.1	2.587	3.446	9.3	22.0
2 11	10 57.93	+ 4 33.5	2.520	3.452	6.3	21.8
2 21	10 50.73	+ 5 10.2	2.480	3.457	3.0	21.6
3 2	10 42.94	+ 5 51.4	2.471	3.461	0.8	21.4
3 12	10 35.28	+ 6 33.0	2.492	3.465	3.9	21.6
3 22	10 28.42	+ 7 10.9	2.543	3.469	7.1	21.9
4 1	10 22.94	+ 7 42.0	2.620	3.472	9.9	22.0

508033 2015 BE_{458} 2 28.9 196°.73 1°.2/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 11.93	+ 3 25.9	2.488	3.245	12.7	21.6
2 1	11 6.94	+ 3 18.0	2.388	3.242	10.1	21.4
2 11	11 0.05	+ 3 20.4	2.312	3.240	7.0	21.2
2 21	10 51.74	+ 3 31.4	2.263	3.237	3.6	21.0
3 2	10 42.68	+ 3 48.3	2.244	3.233	1.3	20.8
3 12	10 33.72	+ 4 7.5	2.256	3.230	4.2	21.0
3 22	10 25.65	+ 4 25.4	2.298	3.226	7.6	21.2
4 1	10 19.13	+ 4 38.9	2.365	3.221	10.7	21.4

316345 2010 RZ_{146} 2 28.9 324°.88 2°.2/ 1.9 18

1 22	11 5.95	− 0 42.0	1.545	2.331	18.0	21.2
2 1	11 3.48	− 0 25.1	1.455	2.324	14.5	21.0
2 11	10 58.37	+ 0 15.0	1.385	2.317	10.3	20.7
2 21	10 51.17	+ 1 16.0	1.337	2.311	5.7	20.4
3 2	10 42.80	+ 2 32.5	1.316	2.305	2.2	20.2
3 12	10 34.53	+ 3 55.5	1.322	2.299	5.8	20.4
3 22	10 27.55	+ 5 15.4	1.353	2.294	10.7	20.6
4 1	10 22.82	+ 6 24.0	1.407	2.290	15.0	20.9

55828 1995 UN_{6} 2 28.9 127°.12 2°.5/ 2.8 18

1 22	11 8.13	− 1 59.6	2.617	3.355	12.6	20.6
2 1	11 3.86	− 2 5.7	2.526	3.363	10.2	20.4
2 11	10 57.91	− 1 58.6	2.458	3.371	7.4	20.2
2 21	10 50.73	− 1 39.3	2.416	3.379	4.5	20.1
3 2	10 42.95	− 1 10.3	2.404	3.387	2.5	19.9
3 12	10 35.31	− 0 35.2	2.422	3.394	4.1	20.0
3 22	10 28.49	+ 0 1.7	2.468	3.401	6.9	20.2
4 1	10 23.07	+ 0 36.5	2.542	3.408	9.7	20.4

292869 2006 VB_{6} 2 28.9 132°.17 0°.9/28.1 18 R

1 22	11 11.90	+ 7 53.3	2.186	2.967	13.5	21.9
2 1	11 7.03	+ 8 31.6	2.110	2.983	10.4	21.8
2 11	11 0.13	+ 9 20.6	2.057	2.998	6.9	21.6
2 21	10 51.75	+10 15.7	2.032	3.012	3.0	21.3
3 2	10 42.70	+11 11.2	2.036	3.025	1.5	21.2
3 12	10 33.90	+12 1.3	2.071	3.038	5.2	21.5
3 22	10 26.22	+12 41.5	2.135	3.050	8.8	21.8
4 1	10 20.30	+13 9.0	2.223	3.062	12.0	22.0

155743 2000 SO_{60} 2 28.9 174°.67 1°.1/ 1.1 17

1 22	11 7.70	+ 1 28.0	2.111	2.880	14.3	21.0
2 1	11 4.01	+ 1 57.9	2.020	2.881	11.4	20.8
2 11	10 58.27	+ 2 44.1	1.950	2.882	7.9	20.6
2 21	10 50.98	+ 3 43.5	1.907	2.883	4.0	20.4
3 2	10 42.89	+ 4 51.2	1.893	2.883	1.1	20.2
3 12	10 34.93	+ 6 0.6	1.909	2.884	4.7	20.4
3 22	10 27.96	+ 7 5.3	1.952	2.884	8.6	20.6
4 1	10 22.70	+ 8 0.2	2.021	2.883	12.0	20.9

179089 2001 SC_{164} 2 28.9 220°.13 1°.1/ 1.1 18

1 22	11 9.86	+ 1 40.0	2.495	3.249	12.8	21.5
2 1	11 5.45	+ 2 3.4	2.384	3.237	10.2	21.3
2 11	10 59.15	+ 2 40.6	2.297	3.225	7.1	21.1
2 21	10 51.38	+ 3 29.4	2.238	3.212	3.6	20.8
3 2	10 42.79	+ 4 25.9	2.209	3.198	1.1	20.6
3 12	10 34.20	+ 5 24.8	2.210	3.184	4.3	20.8
3 22	10 26.41	+ 6 21.0	2.241	3.168	7.8	21.0
4 1	10 20.11	+ 7 10.0	2.299	3.152	11.1	21.2

56475 2000 GN_{109} 2 28.9 300°.48 3°.0/26.7 18

1 22	11 8.59	+10 39.9	1.356	2.181	18.0	19.5
2 1	11 6.07	+11 33.0	1.269	2.167	14.0	19.2
2 11	11 0.43	+12 43.0	1.202	2.153	9.4	18.9
2 21	10 52.23	+14 2.5	1.158	2.139	4.5	18.6
3 2	10 42.55	+15 20.9	1.141	2.126	3.9	18.5
3 12	10 32.93	+16 26.8	1.148	2.113	8.8	18.7
3 22	10 24.84	+17 12.2	1.180	2.100	14.0	19.0
4 1	10 19.46	+17 33.2	1.232	2.087	18.5	19.2

347152 2011 CV_{88} 2 28.9 265°.58 2°.9/ 2.7 17

1 22	11 8.26	− 2 13.4	2.110	2.861	14.9	20.8
2 1	11 4.62	− 2 16.3	2.001	2.846	12.2	20.6
2 11	10 58.82	− 2 2.1	1.912	2.831	8.9	20.4
2 21	10 51.30	− 1 31.6	1.850	2.815	5.4	20.1
3 2	10 42.80	− 0 47.4	1.815	2.799	2.9	19.9
3 12	10 34.27	+ 0 5.3	1.809	2.783	5.0	20.0
3 22	10 26.64	+ 1 0.7	1.830	2.766	8.7	20.2
4 1	10 20.74	+ 1 52.6	1.877	2.750	12.3	20.4

129327 Davehamara 2 28.9 351°.70 4°.3/ 2.1 18

1 22	11 11.72	+ 1 55.7	1.321	2.117	19.9	18.1
2 1	11 8.47	+ 0 42.1	1.236	2.109	16.3	17.9
2 11	11 2.00	− 0 17.9	1.170	2.102	11.9	17.6
2 21	10 52.92	− 1 2.9	1.126	2.096	7.2	17.3
3 2	10 42.38	− 1 32.8	1.107	2.091	4.3	17.1
3 12	10 31.97	− 1 50.3	1.113	2.088	7.2	17.3
3 22	10 23.19	− 1 59.8	1.144	2.087	11.9	17.5
4 1	10 17.21	− 2 7.0	1.195	2.087	16.4	17.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
266448 2007 HV_{94}			2 28.9 144°.14		0°.5/29.5 16	
	h m	° ′			°	m
1 22	11 8.89	+ 3 43.1	2.139	2.913	14.0	21.5
2 1	11 4.85	+ 4 10.7	2.053	2.919	11.0	21.3
2 11	10 58.78	+ 4 52.3	1.989	2.925	7.5	21.1
2 21	10 51.19	+ 5 44.4	1.953	2.931	3.5	20.8
3 2	10 42.86	+ 6 42.0	1.945	2.936	0.8	20.6
3 12	10 34.70	+ 7 39.2	1.968	2.941	4.8	20.9
3 22	10 27.57	+ 8 30.2	2.018	2.946	8.6	21.2
4 1	10 22.16	+ 9 11.1	2.094	2.950	11.9	21.4
501083 2013 SJ_{57}			2 28.9 109°.14		1°.9/27.2 17	
1 22	11 8.68	+10 29.2	1.971	2.772	14.1	21.9
2 1	11 4.91	+11 12.1	1.890	2.774	10.9	21.7
2 11	10 58.93	+12 5.4	1.831	2.777	7.1	21.5
2 21	10 51.29	+13 3.6	1.799	2.779	3.3	21.2
3 2	10 42.84	+14 0.2	1.796	2.782	2.5	21.2
3 12	10 34.58	+14 48.6	1.821	2.784	6.2	21.4
3 22	10 27.46	+15 24.1	1.873	2.787	10.0	21.6
4 1	10 22.21	+15 44.0	1.949	2.789	13.3	21.9
258890 2002 QH_{64}			2 28.9 286°.48		0°.6/28.6 17	
1 22	11 15.27	+ 8 45.1	1.711	2.503	16.2	21.1
2 1	11 10.89	+ 8 43.9	1.594	2.472	12.9	20.8
2 11	11 3.56	+ 8 53.6	1.498	2.440	8.8	20.5
2 21	10 53.68	+ 9 10.8	1.428	2.408	4.0	20.2
3 2	10 42.17	+ 9 30.5	1.386	2.376	1.4	19.9
3 12	10 30.39	+ 9 46.7	1.371	2.343	6.7	20.1
3 22	10 19.74	+ 9 54.3	1.384	2.310	11.8	20.3
4 1	10 11.45	+ 9 49.8	1.420	2.276	16.5	20.5
23028 1999 XV_{3}			2 28.9 147°.09		0°.6/28.2 18	
1 22	11 5.29	+ 7 32.6	2.648	3.430	11.4	19.1
2 1	11 1.70	+ 8 6.4	2.557	3.432	8.8	18.9
2 11	10 56.51	+ 8 49.6	2.492	3.433	5.8	18.7
2 21	10 50.12	+ 9 38.7	2.454	3.434	2.6	18.5
3 2	10 43.14	+10 29.2	2.446	3.435	1.1	18.4
3 12	10 36.29	+11 16.6	2.468	3.436	4.4	18.6
3 22	10 30.21	+11 56.8	2.518	3.437	7.5	18.8
4 1	10 25.46	+12 26.9	2.595	3.438	10.3	19.0
351564 2005 UJ_{143}			2 28.9 169°.16		4°.5/25.3 18	
1 22	11 15.43	+16 29.1	1.764	2.571	15.2	20.9
2 1	11 10.48	+17 31.7	1.688	2.576	11.8	20.7
2 11	11 2.82	+18 41.1	1.636	2.579	8.0	20.5
2 21	10 53.11	+19 49.2	1.609	2.582	4.9	20.3
3 2	10 42.39	+20 47.1	1.611	2.585	5.2	20.3
3 12	10 31.96	+21 27.4	1.642	2.586	8.6	20.5
3 22	10 23.00	+21 46.6	1.698	2.587	12.3	20.7
4 1	10 16.38	+21 44.3	1.776	2.587	15.6	21.0
489719 2007 VH_{253}			2 28.9 173°.46		7°.8/20.8 18	
1 22	11 14.74	+27 9.3	2.011	2.821	13.5	21.4
2 1	11 9.82	+28 48.6	1.946	2.824	10.9	21.3
2 11	11 2.31	+30 25.9	1.905	2.827	8.7	21.1
2 21	10 52.86	+31 51.2	1.891	2.829	7.8	21.1
3 2	10 42.45	+32 55.3	1.905	2.830	8.8	21.2
3 12	10 32.33	+33 32.5	1.945	2.831	11.0	21.3
3 22	10 23.59	+33 41.4	2.009	2.831	13.6	21.5
4 1	10 17.10	+33 24.1	2.094	2.830	16.0	21.6
7843 1994 YE_{1}			2 28.9 117°.22		5°.9/ 5.1 18	
1 22	11 11.71	− 8 54.7	1.942	2.659	17.1	17.2
2 1	11 7.31	− 9 32.5	1.856	2.668	14.4	17.0
2 11	11 0.57	− 9 49.5	1.790	2.678	11.3	16.8
2 21	10 52.07	− 9 44.3	1.748	2.687	8.2	16.6
3 2	10 42.65	− 9 18.0	1.731	2.696	6.1	16.5
3 12	10 33.41	− 8 34.9	1.743	2.705	6.6	16.6
3 22	10 25.34	− 7 41.1	1.782	2.713	9.3	16.7
4 1	10 19.26	− 6 44.0	1.846	2.721	12.3	16.9
278657 2008 RX_{53}			2 28.9 233°.27		2°.3/ 2.2 17	
1 22	11 8.32	− 0 39.4	2.068	2.828	14.9	21.1
2 1	11 4.58	− 0 37.8	1.972	2.825	12.0	20.9
2 11	10 58.72	− 0 19.9	1.898	2.822	8.6	20.6
2 21	10 51.22	+ 0 12.8	1.849	2.819	4.9	20.4
3 2	10 42.86	+ 0 57.0	1.829	2.815	2.3	20.2
3 12	10 34.59	+ 1 47.2	1.837	2.812	4.8	20.4
3 22	10 27.33	+ 2 37.5	1.873	2.809	8.6	20.6
4 1	10 21.82	+ 3 22.6	1.934	2.805	12.1	20.8
345079 2005 JW_{146}			2 28.9 162°.46		4°.4/23.0 17	
1 22	11 6.94	+19 53.5	2.608	3.415	10.8	21.0
2 1	11 3.10	+21 16.4	2.532	3.419	8.4	20.9
2 11	10 57.50	+22 42.4	2.483	3.422	6.0	20.7
2 21	10 50.59	+24 4.9	2.463	3.425	4.5	20.6
3 2	10 43.03	+25 17.4	2.472	3.427	5.2	20.7
3 12	10 35.61	+26 14.6	2.510	3.430	7.4	20.8
3 22	10 29.06	+26 53.6	2.576	3.432	9.8	21.0
4 1	10 23.97	+27 13.7	2.664	3.434	12.1	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
250116 2002 LH_{28}			2 28.9 243°.95		0°.9/29.8 18	
	h m	° ′			°	m
1 22	11 9.61	+ 2 22.4	1.911	2.685	15.4	21.2
2 1	11 5.89	+ 2 49.1	1.806	2.672	12.3	21.0
2 11	10 59.80	+ 3 33.5	1.724	2.658	8.5	20.7
2 21	10 51.80	+ 4 32.8	1.667	2.644	4.2	20.4
3 2	10 42.70	+ 5 41.5	1.639	2.629	1.0	20.1
3 12	10 33.59	+ 6 52.5	1.639	2.614	5.4	20.4
3 22	10 25.52	+ 7 58.2	1.667	2.598	9.8	20.6
4 1	10 19.39	+ 8 52.8	1.720	2.582	13.8	20.8
406501 2007 VW_{102}			2 28.9 225°.46		0°.3/28.7 17	
1 22	11 11.39	+ 5 42.7	1.930	2.712	15.0	22.8
2 1	11 7.23	+ 6 16.5	1.829	2.702	11.8	22.6
2 11	11 0.66	+ 7 5.5	1.752	2.691	8.0	22.3
2 21	10 52.17	+ 8 5.5	1.700	2.680	3.6	22.0
3 2	10 42.62	+ 9 10.5	1.678	2.668	1.1	21.8
3 12	10 33.08	+10 13.2	1.685	2.655	5.7	22.1
3 22	10 24.64	+11 6.9	1.719	2.642	10.1	22.3
4 1	10 18.18	+11 47.1	1.778	2.628	13.9	22.5
229737 Porthos			2 28.9 152°.27		0°.7/29.8 18	
1 22	11 7.29	+ 2 8.7	2.164	2.935	14.0	20.9
2 1	11 3.62	+ 2 43.6	2.075	2.939	11.0	20.7
2 11	10 57.98	+ 3 34.2	2.009	2.942	7.6	20.5
2 21	10 50.85	+ 4 37.0	1.969	2.946	3.7	20.3
3 2	10 42.98	+ 5 46.9	1.959	2.949	0.9	20.1
3 12	10 35.25	+ 6 57.3	1.978	2.952	4.6	20.3
3 22	10 28.49	+ 8 2.1	2.025	2.955	8.4	20.6
4 1	10 23.39	+ 8 56.4	2.098	2.957	11.8	20.8
176012 2000 RM_{102}			2 28.9 193°.65		3°.0/ 3.9 18	
1 22	11 6.43	− 5 49.1	3.154	3.864	11.2	20.8
2 1	11 2.34	− 5 49.6	3.047	3.862	9.3	20.7
2 11	10 56.83	− 5 36.9	2.963	3.859	7.0	20.5
2 21	10 50.26	− 5 11.5	2.905	3.856	4.7	20.3
3 2	10 43.13	− 4 35.1	2.877	3.852	3.1	20.2
3 12	10 36.05	− 3 51.0	2.880	3.848	3.9	20.3
3 22	10 29.59	− 3 3.0	2.912	3.843	6.1	20.4
4 1	10 24.26	− 2 15.0	2.972	3.838	8.5	20.6
204857 2007 RM_{156}			2 28.9 270°.55		0°.6/29.4 18	
1 22	11 10.88	+ 4 22.7	1.607	2.399	17.1	21.2
2 1	11 7.40	+ 4 36.1	1.506	2.382	13.7	21.0
2 11	11 1.11	+ 5 6.9	1.426	2.366	9.4	20.7
2 21	10 52.50	+ 5 52.1	1.371	2.349	4.5	20.3
3 2	10 42.53	+ 6 46.1	1.342	2.332	1.0	20.0
3 12	10 32.51	+ 7 41.0	1.340	2.315	6.3	20.3
3 22	10 23.75	+ 8 29.3	1.365	2.298	11.3	20.6
4 1	10 17.33	+ 9 5.1	1.412	2.280	15.9	20.8
67003 1999 XU_{118}			2 29.0 195°.28		3°.4/ 3.7 18	
1 22	11 8.47	− 5 7.8	2.489	3.214	13.5	19.4
2 1	11 4.33	− 5 12.3	2.386	3.212	11.2	19.2
2 11	10 58.37	− 5 0.8	2.306	3.209	8.4	19.0
2 21	10 51.03	− 4 33.7	2.251	3.206	5.5	18.8
3 2	10 42.94	− 3 53.1	2.225	3.203	3.5	18.7
3 12	10 34.92	− 3 3.3	2.229	3.199	4.6	18.8
3 22	10 27.72	− 2 9.2	2.261	3.195	7.4	18.9
4 1	10 21.99	− 1 16.1	2.321	3.190	10.4	19.1
285877 2001 OY_{15}			2 29.0 149°.45		1°.2/27.7 18	
1 22	11 12.25	+ 9 42.4	2.513	3.291	12.0	21.9
2 1	11 7.08	+10 18.0	2.431	3.303	9.3	21.7
2 11	11 0.07	+11 1.6	2.374	3.315	6.1	21.6
2 21	10 51.74	+11 49.1	2.346	3.325	2.7	21.3
3 2	10 42.79	+12 35.7	2.348	3.335	1.7	21.3
3 12	10 34.04	+13 16.4	2.381	3.345	4.9	21.5
3 22	10 26.26	+13 47.9	2.444	3.353	8.2	21.7
4 1	10 20.05	+14 7.8	2.532	3.361	11.0	21.9
269376 2009 DP_{57}			2 29.0 262°.50		1°.4/27.6 17	
1 22	11 9.45	+11 14.0	2.589	3.374	11.5	20.9
2 1	11 5.08	+11 33.7	2.482	3.358	8.9	20.7
2 11	10 58.88	+12 0.1	2.399	3.342	5.9	20.5
2 21	10 51.27	+12 29.9	2.345	3.325	2.7	20.2
3 2	10 42.89	+12 58.6	2.321	3.308	1.9	20.2
3 12	10 34.55	+13 22.2	2.327	3.290	5.0	20.3
3 22	10 27.00	+13 37.5	2.361	3.273	8.3	20.5
4 1	10 20.91	+13 42.2	2.421	3.255	11.3	20.7
316712 1997 SD_{3}			2 29.0 125°.23		1°.2/27.9 18	
1 22	11 13.59	+ 9 39.0	2.117	2.901	13.8	21.4
2 1	11 8.41	+10 2.7	2.041	2.916	10.7	21.2
2 11	11 1.09	+10 35.2	1.988	2.930	7.0	21.0
2 21	10 52.23	+11 12.3	1.964	2.944	3.1	20.8
3 2	10 42.67	+11 48.6	1.968	2.957	1.7	20.7
3 12	10 33.41	+12 18.9	2.003	2.969	5.4	21.0
3 22	10 25.34	+12 39.8	2.066	2.982	9.1	21.3
4 1	10 19.14	+12 48.9	2.154	2.993	12.3	21.5