341675 2007 VN_{90} 3 30.9 156.°17 4.°3/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.90	+ 8 10.0	2.349	3.155	12.1	20.8
3 2	12 59.57	+ 8 52.1	2.270	3.157	9.5	20.6
3 12	12 53.37	+ 9 36.1	2.216	3.160	6.7	20.4
3 22	12 45.80	+10 16.9	2.188	3.162	4.6	20.3
4 1	12 37.57	+10 48.9	2.189	3.164	4.8	20.3
4 11	12 29.50	+11 8.0	2.219	3.166	7.1	20.5
4 21	12 22.33	+11 11.6	2.275	3.167	9.9	20.6
5 1	12 16.66	+10 58.9	2.354	3.169	12.5	20.8

222607 2001 XY_{37} 3 30.9 264.°94 1.°7/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.93	− 0 33.8	1.906	2.702	14.8	19.9
3 2	13 2.64	− 0 24.2	1.807	2.690	11.7	19.6
3 12	12 55.89	− 0 6.2	1.730	2.677	8.0	19.4
3 22	12 47.20	+ 0 16.7	1.678	2.664	3.9	19.1
4 1	12 37.40	+ 0 39.7	1.655	2.651	2.0	18.9
4 11	12 27.58	+ 0 57.6	1.660	2.638	5.9	19.2
4 21	12 18.78	+ 1 6.1	1.691	2.625	10.1	19.4
5 1	12 11.88	+ 1 2.0	1.747	2.612	13.9	19.6

382834 2004 AC_{21} 3 30.9 127.°29 2.°6/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.17	+ 1 49.5	2.458	3.255	11.9	21.7
3 2	12 58.09	+ 2 36.9	2.382	3.267	9.2	21.6
3 12	12 52.28	+ 3 30.5	2.330	3.278	6.2	21.4
3 22	12 45.25	+ 4 25.8	2.306	3.289	3.3	21.2
4 1	12 37.64	+ 5 17.5	2.311	3.300	3.0	21.2
4 11	12 30.20	+ 6 0.8	2.346	3.310	5.6	21.4
4 21	12 23.61	+ 6 32.1	2.408	3.320	8.5	21.6
5 1	12 18.41	+ 6 49.3	2.494	3.330	11.2	21.8

231698 1998 QC_2 3 30.9 249.°76 6.°3/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.05	−24 1.9	2.403	3.085	15.1	20.3
3 2	13 0.98	−24 42.3	2.286	3.070	13.1	20.1
3 12	12 54.71	−25 4.8	2.188	3.054	10.8	19.9
3 22	12 46.64	−25 6.8	2.113	3.038	8.4	19.7
4 1	12 37.47	−24 47.4	2.064	3.021	6.6	19.6
4 11	12 28.14	−24 8.7	2.043	3.004	6.5	19.5
4 21	12 19.59	−23 15.2	2.049	2.987	8.3	19.6
5 1	12 12.65	−22 13.5	2.080	2.969	11.0	19.7

109171 2001 QP_{64} 3 30.9 122.°04 2.°0/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.43	− 3 15.0	2.058	2.851	14.0	20.0
3 2	12 58.63	− 2 4.1	1.983	2.866	10.8	19.9
3 12	12 52.82	− 0 40.6	1.932	2.880	7.2	19.7
3 22	12 45.56	+ 0 49.9	1.908	2.894	3.5	19.4
4 1	12 37.62	+ 2 20.0	1.913	2.907	2.4	19.4
4 11	12 29.90	+ 3 42.0	1.947	2.920	5.8	19.6
4 21	12 23.20	+ 4 50.0	2.009	2.932	9.4	19.9
5 1	12 18.14	+ 5 40.0	2.096	2.944	12.6	20.1

458869 2011 UO_{129} 3 30.9 154.°37 2.°5/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.36	−13 25.0	1.813	2.571	16.9	22.4
3 2	13 2.22	−13 18.3	1.725	2.578	13.8	22.2
3 12	12 55.58	−12 52.1	1.658	2.584	10.0	22.0
3 22	12 47.01	−12 7.5	1.616	2.590	5.9	21.8
4 1	12 37.44	−11 8.3	1.600	2.595	2.6	21.6
4 11	12 28.02	−10 1.1	1.612	2.600	4.8	21.7
4 21	12 19.79	− 8 53.6	1.652	2.604	9.0	22.0
5 1	12 13.59	− 7 53.2	1.717	2.607	12.8	22.2

389198 2009 CM_{51} 3 30.9 23.°33 4.°1/ 3.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.22	−14 47.6	1.899	2.652	16.4	20.9
3 2	13 0.50	−15 27.5	1.813	2.657	13.6	20.7
3 12	12 54.40	−15 51.1	1.748	2.663	10.3	20.5
3 22	12 46.46	−15 57.7	1.706	2.670	6.7	20.3
4 1	12 37.54	−15 48.2	1.690	2.677	4.2	20.2
4 11	12 28.71	−15 26.4	1.702	2.684	5.2	20.2
4 21	12 20.97	−14 57.5	1.740	2.692	8.5	20.4
5 1	12 15.13	−14 27.7	1.802	2.701	11.9	20.7

323445 2004 HV_{27} 3 30.9 333.°67 1.°1/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.49	−12 58.1	1.600	2.386	17.7	20.4
3 2	12 55.64	−12 3.4	1.509	2.381	14.3	20.2
3 12	12 51.31	−10 42.4	1.438	2.376	10.1	19.9
3 22	12 45.03	− 8 58.3	1.390	2.372	5.4	19.6
4 1	12 37.70	− 6 58.6	1.369	2.368	1.1	19.3
4 11	12 30.46	− 4 54.4	1.376	2.364	5.2	19.6
4 21	12 24.37	− 2 57.5	1.409	2.361	10.1	19.9
5 1	12 20.28	− 1 17.6	1.465	2.358	14.4	20.1

430349 2013 YU_{108} 3 30.9 162.°10 4.°1/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.11	+ 5 47.7	2.340	3.151	12.0	21.3
3 2	12 56.68	+ 6 56.1	2.261	3.153	9.3	21.1
3 12	12 51.45	+ 8 9.5	2.207	3.154	6.5	20.9
3 22	12 44.91	+ 9 21.8	2.180	3.156	4.4	20.8
4 1	12 37.73	+10 26.8	2.181	3.157	4.7	20.8
4 11	12 30.66	+11 18.7	2.211	3.158	7.1	20.9
4 21	12 24.43	+11 53.9	2.267	3.159	9.9	21.1
5 1	12 19.61	+12 10.5	2.347	3.160	12.5	21.3

334500 2002 QH_{94} 3 30.9 146.°42 1.°1/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.10	−11 32.9	2.383	3.142	13.3	21.1
3 2	12 56.67	−10 56.6	2.291	3.147	10.6	21.0
3 12	12 51.46	−10 4.5	2.221	3.152	7.5	20.8
3 22	12 44.92	− 8 59.3	2.178	3.157	4.0	20.6
4 1	12 37.73	− 7 45.3	2.164	3.162	1.1	20.3
4 11	12 30.64	− 6 28.4	2.179	3.166	3.8	20.5
4 21	12 24.38	− 5 14.6	2.223	3.170	7.3	20.8
5 1	12 19.53	− 4 9.6	2.293	3.174	10.4	21.0

72223 2001 AM_{10} 3 30.9 94.°31 3.°1/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.05	−15 0.5	1.637	2.401	18.2	20.0
3 2	13 0.64	−14 54.3	1.558	2.412	14.9	19.8
3 12	12 54.60	−14 25.5	1.499	2.424	11.0	19.6
3 22	12 46.57	−13 35.2	1.463	2.435	6.7	19.4
4 1	12 37.54	−12 27.6	1.453	2.446	3.3	19.2
4 11	12 28.74	−11 10.4	1.469	2.457	5.1	19.3
4 21	12 21.26	− 9 52.6	1.513	2.468	9.3	19.6
5 1	12 15.91	− 8 42.6	1.580	2.478	13.2	19.8

82830 2001 QS_{45} 3 30.9 160.°13 0.°9/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.19	− 9 14.8	2.716	3.472	11.9	20.8
3 2	12 58.05	− 9 1.3	2.621	3.478	9.5	20.6
3 12	12 52.27	− 8 36.5	2.551	3.482	6.6	20.4
3 22	12 45.29	− 8 2.4	2.507	3.487	3.5	20.2
4 1	12 37.70	− 7 21.8	2.493	3.491	0.9	20.0
4 11	12 30.19	− 6 38.8	2.509	3.495	3.5	20.2
4 21	12 23.42	− 5 57.7	2.553	3.498	6.6	20.5
5 1	12 17.92	− 5 22.2	2.625	3.501	9.4	20.6

67574 2000 SL_{111} 3 30.9 88.°90 0.°8/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.88	− 6 17.6	1.534	2.335	17.6	18.9
3 2	13 0.52	− 5 34.4	1.463	2.348	13.8	18.7
3 12	12 54.50	− 4 33.4	1.412	2.360	9.4	18.4
3 22	12 46.51	− 3 19.7	1.386	2.373	4.4	18.2
4 1	12 37.57	− 2 1.1	1.386	2.385	1.2	18.0
4 11	12 28.91	− 0 46.8	1.414	2.397	6.0	18.3
4 21	12 21.64	+ 0 15.1	1.467	2.409	10.7	18.6
5 1	12 16.54	+ 0 59.2	1.542	2.421	14.7	18.9

411208 2010 MM_{97} 3 31.0 157.°81 0.°4/30.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.42	− 5 24.6	2.105	2.882	14.3	22.1
3 2	13 1.81	− 5 1.4	2.018	2.889	11.2	21.9
3 12	12 55.06	− 4 26.2	1.955	2.896	7.6	21.7
3 22	12 46.71	− 3 42.2	1.917	2.902	3.7	21.5
4 1	12 37.56	− 2 54.0	1.909	2.907	0.7	21.2
4 11	12 28.55	− 2 7.4	1.930	2.912	4.8	21.6
4 21	12 20.56	− 1 27.5	1.978	2.916	8.6	21.8
5 1	12 14.29	− 0 58.5	2.052	2.920	12.0	22.0

270069 2001 PQ_{25} 3 31.0 184.°12 1.°8/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.90	− 0 52.4	2.189	2.979	13.4	21.4
3 2	13 1.36	− 0 22.4	2.099	2.979	10.5	21.2
3 12	12 54.74	+ 0 16.3	2.032	2.979	7.1	21.0
3 22	12 46.56	+ 0 59.7	1.993	2.978	3.4	20.8
4 1	12 37.57	+ 1 42.8	1.982	2.977	2.1	20.7
4 11	12 28.69	+ 2 20.2	2.000	2.975	5.5	20.9
4 21	12 20.75	+ 2 47.6	2.046	2.973	9.1	21.1
5 1	12 14.44	+ 3 1.9	2.117	2.970	12.3	21.3

431095 2006 DN_{168} 3 31.0 138.°71 1.°4/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.40	− 1 45.0	2.227	3.016	13.2	21.9
3 2	13 0.08	− 1 18.4	2.144	3.023	10.3	21.7
3 12	12 53.79	− 0 43.2	2.084	3.031	6.9	21.5
3 22	12 46.07	− 0 2.9	2.052	3.038	3.3	21.3
4 1	12 37.63	+ 0 37.7	2.048	3.045	1.7	21.2
4 11	12 29.36	+ 1 13.4	2.074	3.051	5.1	21.4
4 21	12 22.02	+ 1 40.3	2.127	3.057	8.6	21.7
5 1	12 16.27	+ 1 55.3	2.205	3.063	11.7	21.9

61652 2000 QO_{112} 3 31.0 113.°54 0.°5/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.51	− 8 8.0	1.883	2.667	15.5	19.2
3 2	12 59.09	− 7 47.6	1.796	2.669	12.3	18.9
3 12	12 53.39	− 7 11.6	1.731	2.672	8.5	18.7
3 22	12 45.96	− 6 23.1	1.690	2.674	4.3	18.5
4 1	12 37.64	− 5 26.7	1.677	2.676	0.5	18.2
4 11	12 29.44	− 4 29.1	1.692	2.679	4.8	18.5
4 21	12 22.29	− 3 36.9	1.734	2.681	9.0	18.7
5 1	12 16.96	− 2 55.4	1.800	2.683	12.7	19.0

377911 2006 DU_{214} 3 31.0 87.°31 0.°5/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.50	− 8 36.8	1.981	2.762	14.9	21.6
3 2	12 58.12	− 8 9.9	1.898	2.769	11.8	21.4
3 12	12 52.63	− 7 27.7	1.837	2.777	8.2	21.2
3 22	12 45.55	− 6 33.0	1.801	2.784	4.1	21.0
4 1	12 37.69	− 5 31.0	1.792	2.791	0.5	20.7
4 11	12 29.99	− 4 28.2	1.812	2.799	4.5	21.0
4 21	12 23.30	− 3 30.9	1.860	2.806	8.5	21.3
5 1	12 18.31	− 2 44.4	1.932	2.813	12.0	21.5

67013 1999 XY_{124} 3 31.0 219.°13 1.°8/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.10	+ 0 10.4	2.475	3.261	12.1	20.2
3 2	13 0.55	+ 0 35.6	2.374	3.252	9.5	20.0
3 12	12 54.12	+ 1 7.9	2.298	3.243	6.4	19.8
3 22	12 46.26	+ 1 43.6	2.249	3.234	3.2	19.5
4 1	12 37.62	+ 2 18.5	2.229	3.223	2.1	19.4
4 11	12 29.01	+ 2 48.1	2.240	3.213	5.1	19.6
4 21	12 21.18	+ 3 8.7	2.278	3.201	8.4	19.8
5 1	12 14.78	+ 3 17.6	2.343	3.190	11.5	20.0

211851 2004 FT_{139} 3 31.0 34.°14 2.°4/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.83	−15 27.8	1.998	2.756	15.5	19.7
3 2	12 55.31	−14 54.9	1.912	2.763	12.7	19.5
3 12	12 50.75	−14 0.9	1.846	2.770	9.3	19.3
3 22	12 44.66	−12 47.9	1.804	2.777	5.5	19.0
4 1	12 37.82	−11 20.6	1.790	2.785	2.5	18.9
4 11	12 31.12	− 9 46.5	1.804	2.792	4.2	19.0
4 21	12 25.40	− 8 13.5	1.846	2.800	7.9	19.2
5 1	12 21.30	− 6 49.3	1.913	2.809	11.4	19.5

446805 1999 VY_{20} 3 31.0 123.°29 12.°1/23.0 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 23.90	+26 34.5	1.645	2.427	17.4	21.2
3 2	13 15.90	+27 41.1	1.599	2.445	15.0	21.1
3 12	13 4.70	+28 31.9	1.574	2.462	13.0	21.0
3 22	12 51.29	+28 56.1	1.573	2.478	12.1	21.0
4 1	12 37.13	+28 45.6	1.596	2.493	12.7	21.1
4 11	12 23.82	+27 58.7	1.645	2.507	14.4	21.2
4 21	12 12.64	+26 39.4	1.716	2.521	16.6	21.4
5 1	12 4.36	+24 54.6	1.807	2.534	18.8	21.6

404150 2013 CB_{32} 3 31.0 350.°23 1.°3/31.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.42	− 9 0.6	1.057	1.890	21.7	20.8
3 2	12 56.02	− 8 59.3	0.981	1.881	17.5	20.4
3 12	12 52.29	− 8 33.3	0.922	1.874	12.4	20.1
3 22	12 45.78	− 7 44.7	0.882	1.868	6.5	19.8
4 1	12 37.69	− 6 40.0	0.865	1.864	1.3	19.4
4 11	12 29.67	− 5 30.4	0.870	1.861	6.7	19.7
4 21	12 23.28	− 4 27.7	0.896	1.860	12.7	20.1
5 1	12 19.70	− 3 41.6	0.942	1.860	18.0	20.4

180676 2004 GL_{77} 3 31.0 314.°35 11.°0/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.02	+20 34.3	1.596	2.422	15.9	19.8
3 2	13 1.60	+22 13.6	1.533	2.415	13.5	19.6
3 12	12 55.38	+23 46.2	1.492	2.408	11.6	19.5
3 22	12 47.01	+25 0.4	1.474	2.402	11.0	19.4
4 1	12 37.58	+25 46.0	1.479	2.396	12.2	19.5
4 11	12 28.39	+25 56.7	1.508	2.390	14.4	19.6
4 21	12 20.61	+25 32.0	1.556	2.384	17.0	19.7
5 1	12 15.13	+24 35.1	1.622	2.378	19.5	19.9

347484 1994 SW_5 3 31.0 123.°59 0.°4/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.22	− 4 29.1	2.735	3.509	11.4	21.4
3 2	12 58.00	− 4 11.7	2.650	3.520	8.9	21.3
3 12	12 52.20	− 3 45.9	2.589	3.531	6.0	21.1
3 22	12 45.26	− 3 14.3	2.556	3.541	2.9	20.9
4 1	12 37.78	− 2 40.2	2.553	3.552	0.6	20.7
4 11	12 30.43	− 2 7.7	2.580	3.562	3.8	21.0
4 21	12 23.82	− 1 40.0	2.635	3.572	6.8	21.2
5 1	12 18.47	− 1 20.1	2.717	3.581	9.5	21.4

186100 2001 TN_{25} 3 31.0 219.°51 2.°5/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.44	−13 47.4	2.216	2.961	14.6	21.5
3 2	13 0.42	−13 45.4	2.109	2.953	12.0	21.3
3 12	12 54.27	−13 27.0	2.024	2.944	8.8	21.1
3 22	12 46.43	−12 52.9	1.964	2.935	5.3	20.8
4 1	12 37.64	−12 5.3	1.932	2.925	2.6	20.6
4 11	12 28.83	−11 9.3	1.929	2.915	4.3	20.7
4 21	12 20.88	−10 10.8	1.954	2.904	7.9	20.9
5 1	12 14.56	− 9 15.9	2.005	2.893	11.4	21.1

377866 2006 BS_{277} 3 31.0 102.°90 0.°7/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.41	− 5 13.7	2.028	2.817	14.3	21.7
3 2	12 58.73	− 4 38.0	1.949	2.827	11.2	21.5
3 12	12 52.99	− 3 49.6	1.893	2.838	7.6	21.3
3 22	12 45.73	− 2 52.3	1.862	2.848	3.6	21.1
4 1	12 37.73	− 1 51.8	1.860	2.858	1.0	20.9
4 11	12 29.92	− 0 54.3	1.886	2.868	4.9	21.2
4 21	12 23.13	− 0 5.6	1.940	2.878	8.7	21.4
5 1	12 18.00	+ 0 30.3	2.018	2.888	12.1	21.7

435306 2007 UD_{51} 3 31.0 181.°44 0.°5/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.83	− 9 35.9	2.635	3.397	12.1	21.5
3 2	12 56.31	− 8 56.9	2.537	3.398	9.6	21.3
3 12	12 51.17	− 8 4.5	2.463	3.398	6.7	21.1
3 22	12 44.81	− 7 1.4	2.416	3.398	3.4	20.9
4 1	12 37.83	− 5 51.6	2.399	3.397	0.5	20.7
4 11	12 30.93	− 4 40.4	2.411	3.397	3.6	20.9
4 21	12 24.74	− 3 33.2	2.453	3.396	6.9	21.1
5 1	12 19.82	− 2 34.5	2.521	3.394	9.9	21.3

3374 Namur 3 31.0 325.°88 1.°4/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.57	− 2 14.5	2.124	2.920	13.5	17.4
3 2	12 58.07	− 1 44.3	2.036	2.919	10.6	17.2
3 12	12 52.56	− 1 4.1	1.970	2.919	7.1	17.0
3 22	12 45.55	− 0 17.8	1.931	2.918	3.4	16.8
4 1	12 37.75	+ 0 29.4	1.921	2.917	1.8	16.7
4 11	12 30.06	+ 1 12.0	1.938	2.917	5.2	16.9
4 21	12 23.28	+ 1 45.2	1.983	2.916	8.9	17.1
5 1	12 18.07	+ 2 5.5	2.052	2.915	12.2	17.3

501304 2013 WM_{70} 3 31.0 207.°78 0.°0/31.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.62	− 6 35.5	2.189	2.968	13.7	22.2
3 2	12 58.88	− 6 13.1	2.093	2.965	10.9	21.9
3 12	12 53.12	− 5 38.2	2.021	2.962	7.5	21.7
3 22	12 45.83	− 4 53.3	1.974	2.959	3.6	21.5
4 1	12 37.72	− 4 2.9	1.956	2.955	0.4	21.2
4 11	12 29.67	− 3 12.4	1.967	2.951	4.5	21.5
4 21	12 22.50	− 2 27.3	2.005	2.947	8.3	21.7
5 1	12 16.90	− 1 52.1	2.069	2.943	11.7	21.9

162743 2000 WN_{15} 3 31.0 114.°10 3.°3/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.46	+ 2 0.4	1.837	2.638	15.1	20.3
3 2	13 3.52	+ 2 48.8	1.771	2.658	11.7	20.1
3 12	12 56.24	+ 3 44.8	1.729	2.677	7.9	19.9
3 22	12 47.28	+ 4 42.3	1.713	2.696	4.3	19.7
4 1	12 37.58	+ 5 34.3	1.725	2.714	3.7	19.7
4 11	12 28.24	+ 6 14.6	1.766	2.732	6.9	19.9
4 21	12 20.17	+ 6 39.0	1.833	2.749	10.6	20.2
5 1	12 14.09	+ 6 45.8	1.923	2.765	13.8	20.4

166800 2002 VC_{57} 3 31.0 192.°93 1.°2/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.83	− 3 22.6	2.382	3.170	12.5	20.8
3 2	12 57.27	− 2 43.2	2.290	3.169	9.7	20.6
3 12	12 51.90	− 1 53.3	2.221	3.168	6.6	20.4
3 22	12 45.20	− 0 56.8	2.180	3.166	3.1	20.2
4 1	12 37.80	+ 0 1.4	2.168	3.165	1.5	20.1
4 11	12 30.49	+ 0 55.9	2.185	3.163	4.8	20.3
4 21	12 23.97	+ 1 41.9	2.229	3.161	8.2	20.5
5 1	12 18.85	+ 2 15.7	2.299	3.158	11.2	20.7

511632 2015 BZ_{102} 3 31.0 91.°69 1.°4/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.03	− 9 59.5	1.994	2.765	15.1	21.5
3 2	12 59.41	− 9 56.3	1.903	2.767	12.2	21.3
3 12	12 53.59	− 9 38.2	1.834	2.768	8.6	21.1
3 22	12 46.09	− 9 6.7	1.790	2.770	4.7	20.9
4 1	12 37.70	− 8 25.5	1.773	2.771	1.5	20.7
4 11	12 29.40	− 7 39.9	1.785	2.772	4.4	20.9
4 21	12 22.09	− 6 55.7	1.823	2.774	8.3	21.1
5 1	12 16.52	− 6 18.4	1.887	2.775	11.9	21.3

241047 2006 RJ_{81} 3 31.0 298.°42 0.°6/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.88	− 5 21.3	2.068	2.860	14.0	21.6
3 2	12 56.98	− 4 52.4	1.962	2.842	11.1	21.3
3 12	12 52.00	− 4 10.1	1.878	2.824	7.6	21.1
3 22	12 45.37	− 3 17.5	1.820	2.806	3.6	20.8
4 1	12 37.78	− 2 19.6	1.790	2.788	0.9	20.5
4 11	12 30.14	− 1 22.6	1.787	2.771	5.0	20.8
4 21	12 23.34	− 0 32.6	1.812	2.753	9.1	21.0
5 1	12 18.12	+ 0 5.3	1.861	2.736	12.7	21.2

66408 1999 LA_{35} 3 31.0 202.°80 0.°9/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.31	− 4 53.5	1.979	2.764	14.8	20.4
3 2	13 1.23	− 4 14.7	1.883	2.760	11.6	20.2
3 12	12 54.87	− 3 22.1	1.811	2.755	7.9	19.9
3 22	12 46.73	− 2 19.4	1.764	2.750	3.7	19.7
4 1	12 37.63	− 1 12.5	1.745	2.743	1.3	19.5
4 11	12 28.59	− 0 8.4	1.756	2.737	5.4	19.8
4 21	12 20.54	+ 0 46.4	1.794	2.729	9.6	20.0
5 1	12 14.29	+ 1 27.0	1.856	2.721	13.2	20.2

126357 2002 AA_{171} 3 31.0 127.°83 2.°2/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.01	− 1 8.5	1.952	2.754	14.4	20.9
3 2	12 59.32	− 0 24.7	1.872	2.759	11.2	20.7
3 12	12 53.46	+ 0 29.6	1.814	2.764	7.5	20.4
3 22	12 45.99	+ 1 29.4	1.783	2.769	3.7	20.2
4 1	12 37.73	+ 2 28.2	1.779	2.774	2.5	20.1
4 11	12 29.62	+ 3 19.6	1.804	2.778	6.0	20.4
4 21	12 22.56	+ 3 58.3	1.856	2.783	9.8	20.6
5 1	12 17.24	+ 4 21.1	1.931	2.787	13.1	20.8

500745 2013 AO_{19} 3 31.0 138.°92 3.°4/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.29	+ 7 2.1	3.135	3.933	9.5	22.3
3 2	12 56.27	+ 7 56.5	3.061	3.945	7.4	22.1
3 12	12 50.92	+ 8 53.2	3.013	3.957	5.2	22.0
3 22	12 44.62	+ 9 47.8	2.994	3.968	3.5	21.9
4 1	12 37.88	+10 36.1	3.005	3.978	3.8	21.9
4 11	12 31.28	+11 14.5	3.046	3.988	5.6	22.1
4 21	12 25.31	+11 40.6	3.114	3.998	7.8	22.2
5 1	12 20.43	+11 53.1	3.207	4.007	9.8	22.4

458763 2011 SV_{33} 3 31.0 127.°89 0.°8/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.59	− 8 48.1	1.734	2.511	16.9	22.4
3 2	13 3.18	− 8 30.5	1.656	2.525	13.4	22.2
3 12	12 56.23	− 7 56.1	1.599	2.537	9.3	22.0
3 22	12 47.37	− 7 7.7	1.567	2.550	4.8	21.7
4 1	12 37.59	− 6 10.5	1.563	2.561	0.8	21.4
4 11	12 28.04	− 5 11.8	1.586	2.573	5.0	21.8
4 21	12 19.79	− 4 18.4	1.637	2.583	9.4	22.1
5 1	12 13.63	− 3 36.3	1.711	2.593	13.3	22.3

489243 2006 QQ_{187} 3 31.0 193.°34 2.°1/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.64	−13 42.1	2.839	3.574	11.9	22.2
3 2	12 57.67	−13 36.2	2.734	3.572	9.7	22.0
3 12	12 52.08	−13 17.3	2.653	3.570	7.1	21.8
3 22	12 45.28	−12 46.4	2.597	3.567	4.3	21.6
4 1	12 37.84	−12 5.6	2.571	3.564	2.1	21.5
4 11	12 30.42	−11 18.7	2.575	3.560	3.4	21.5
4 21	12 23.68	−10 30.0	2.608	3.556	6.2	21.7
5 1	12 18.16	− 9 43.9	2.668	3.552	9.0	21.9

335788 2007 GJ 3 31.0 324.°08 1.°6/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.18	−12 11.6	1.606	2.396	17.4	20.4
3 2	12 55.52	−11 42.3	1.508	2.382	14.2	20.2
3 12	12 51.35	−10 49.6	1.430	2.369	10.2	19.9
3 22	12 45.17	− 9 35.3	1.375	2.356	5.6	19.6
4 1	12 37.83	− 8 4.9	1.346	2.344	1.6	19.3
4 11	12 30.48	− 6 27.7	1.343	2.332	5.2	19.5
4 21	12 24.21	− 4 53.8	1.365	2.321	10.0	19.8
5 1	12 19.93	− 3 32.7	1.411	2.311	14.4	20.0

173932 2001 VD_{105} 3 31.0 92.°18 1.°2/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.84	− 1 59.2	2.418	3.205	12.3	20.6
3 2	12 58.66	− 1 34.4	2.343	3.221	9.6	20.4
3 12	12 52.73	− 1 1.7	2.291	3.237	6.4	20.2
3 22	12 45.56	− 0 24.6	2.267	3.253	3.0	20.0
4 1	12 37.82	+ 0 12.7	2.271	3.268	1.5	20.0
4 11	12 30.26	+ 0 45.8	2.306	3.283	4.6	20.2
4 21	12 23.58	+ 1 11.0	2.368	3.299	7.8	20.4
5 1	12 18.33	+ 1 25.8	2.455	3.313	10.6	20.6

292137 2006 RH_{81} 3 31.0 232.°45 0.°3/31.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.50	− 6 48.3	2.043	2.818	14.7	21.9
3 2	13 2.23	− 6 35.9	1.937	2.805	11.8	21.7
3 12	12 55.63	− 6 10.2	1.853	2.792	8.2	21.4
3 22	12 47.16	− 5 33.5	1.795	2.779	4.1	21.2
4 1	12 37.63	− 4 49.7	1.765	2.764	0.4	20.8
4 11	12 28.03	− 4 4.4	1.765	2.750	4.8	21.1
4 21	12 19.35	− 3 23.4	1.791	2.734	9.0	21.4
5 1	12 12.44	− 2 51.7	1.843	2.718	12.8	21.6

175650 1408 $T\text{-}_2$ 3 31.0 149.°98 1.°4/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.61	−10 12.8	2.091	2.849	15.0	21.7
3 2	13 2.81	−10 5.3	2.003	2.859	12.0	21.5
3 12	12 55.81	− 9 43.0	1.938	2.868	8.5	21.3
3 22	12 47.14	− 9 7.8	1.898	2.877	4.6	21.1
4 1	12 37.64	− 8 23.1	1.888	2.885	1.4	20.9
4 11	12 28.29	− 7 34.4	1.906	2.893	4.3	21.1
4 21	12 20.00	− 6 47.5	1.953	2.899	8.2	21.3
5 1	12 13.49	− 6 7.5	2.025	2.905	11.6	21.6

196771 2003 SU_{169} 3 31.0 202.°01 0.°3/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.50	− 5 49.1	2.240	3.020	13.4	21.0
3 2	12 58.74	− 5 24.7	2.145	3.018	10.6	20.8
3 12	12 53.01	− 4 48.4	2.073	3.015	7.2	20.6
3 22	12 45.79	− 4 3.1	2.028	3.013	3.5	20.4
4 1	12 37.79	− 3 13.2	2.011	3.010	0.6	20.1
4 11	12 29.85	− 2 24.1	2.023	3.007	4.5	20.4
4 21	12 22.77	− 1 41.0	2.063	3.003	8.2	20.6
5 1	12 17.22	− 1 8.0	2.129	3.000	11.5	20.8

30509 Yukitrippel 3 31.0 298.°71 5.°0/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.08	+ 4 15.9	1.514	2.341	16.5	18.1
3 2	13 0.38	+ 5 10.4	1.419	2.320	13.1	17.9
3 12	12 54.84	+ 6 15.1	1.345	2.298	9.1	17.6
3 22	12 46.95	+ 7 22.5	1.294	2.276	5.7	17.3
4 1	12 37.65	+ 8 23.1	1.270	2.255	5.7	17.2
4 11	12 28.25	+ 9 7.7	1.271	2.234	9.5	17.4
4 21	12 20.03	+ 9 29.7	1.295	2.213	13.9	17.6
5 1	12 14.05	+ 9 26.3	1.340	2.192	18.0	17.8

293577 2007 HW_{82} 3 31.0 263.°89 4.°0/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.36	+ 1 3.5	1.586	2.403	16.4	21.5
3 2	13 1.26	+ 2 8.7	1.488	2.384	12.9	21.2
3 12	12 55.37	+ 3 28.2	1.411	2.364	8.9	20.9
3 22	12 47.19	+ 4 55.2	1.359	2.344	5.0	20.6
4 1	12 37.63	+ 6 20.1	1.334	2.323	4.7	20.6
4 11	12 27.95	+ 7 32.5	1.335	2.302	8.7	20.7
4 21	12 19.41	+ 8 24.6	1.361	2.280	13.3	20.9
5 1	12 13.04	+ 8 51.6	1.408	2.258	17.5	21.1

265733 2005 UZ_{451} 3 31.0 182.°86 2.°0/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.82	− 0 56.5	2.213	3.006	13.2	21.4
3 2	12 59.74	− 0 13.0	2.124	3.007	10.3	21.2
3 12	12 53.67	+ 0 39.9	2.059	3.007	6.9	21.0
3 22	12 46.10	+ 1 37.8	2.021	3.006	3.4	20.7
4 1	12 37.77	+ 2 35.1	2.012	3.006	2.4	20.7
4 11	12 29.54	+ 3 25.9	2.031	3.004	5.6	20.9
4 21	12 22.21	+ 4 5.4	2.079	3.002	9.1	21.1
5 1	12 16.45	+ 4 30.4	2.151	3.000	12.3	21.3

329379 2001 WK_{74} 3 31.0 136.°02 2.°7/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.46	+ 0 49.7	1.892	2.697	14.6	21.3
3 2	13 0.55	+ 1 29.7	1.812	2.701	11.4	21.0
3 12	12 54.36	+ 2 18.5	1.755	2.705	7.7	20.8
3 22	12 46.47	+ 3 10.9	1.724	2.709	4.0	20.6
4 1	12 37.74	+ 4 0.4	1.720	2.712	3.2	20.6
4 11	12 29.17	+ 4 40.6	1.745	2.716	6.5	20.8
4 21	12 21.71	+ 5 7.1	1.796	2.719	10.3	21.0
5 1	12 16.07	+ 5 17.0	1.870	2.722	13.7	21.2

155278 2005 WR_{168} 3 31.0 182.°99 0.°3/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.57	− 6 11.4	2.316	3.091	13.2	21.2
3 2	12 59.48	− 5 40.2	2.222	3.092	10.4	21.0
3 12	12 53.47	− 4 56.7	2.151	3.092	7.1	20.8
3 22	12 46.01	− 4 4.0	2.106	3.091	3.4	20.6
4 1	12 37.79	− 3 6.8	2.091	3.090	0.6	20.4
4 11	12 29.66	− 2 10.4	2.106	3.089	4.4	20.7
4 21	12 22.37	− 1 20.3	2.149	3.087	8.0	20.9
5 1	12 16.60	− 0 40.7	2.217	3.084	11.3	21.1

357575 2004 TX_{170} 3 31.0 131.°57 2.°9/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.50	+ 0 48.9	1.752	2.553	15.7	21.6
3 2	13 3.80	+ 1 30.1	1.679	2.566	12.2	21.4
3 12	12 56.60	+ 2 20.4	1.629	2.578	8.3	21.2
3 22	12 47.55	+ 3 14.1	1.604	2.589	4.3	21.0
4 1	12 37.63	+ 4 4.4	1.608	2.600	3.3	20.9
4 11	12 27.99	+ 4 44.2	1.639	2.610	6.9	21.2
4 21	12 19.65	+ 5 9.1	1.697	2.620	10.8	21.4
5 1	12 13.38	+ 5 16.5	1.778	2.629	14.3	21.7

407757 2011 WW_{54} 3 31.0 95.°98 3.°7/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.87	+ 2 14.9	1.559	2.373	16.8	21.6
3 2	13 3.55	+ 2 59.2	1.494	2.387	13.1	21.4
3 12	12 56.53	+ 3 52.0	1.451	2.402	8.8	21.2
3 22	12 47.54	+ 4 46.6	1.432	2.416	4.8	21.0
4 1	12 37.64	+ 5 35.0	1.440	2.430	4.2	21.0
4 11	12 28.11	+ 6 10.1	1.476	2.444	7.7	21.2
4 21	12 20.03	+ 6 27.4	1.536	2.458	11.8	21.5
5 1	12 14.20	+ 6 25.2	1.618	2.471	15.4	21.8

128442 2004 NE_{15} 3 31.0 237.°89 3.°4/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.93	−19 2.3	3.085	3.787	11.7	20.8
3 2	12 57.12	−19 7.2	2.965	3.773	9.8	20.6
3 12	12 51.74	−18 58.0	2.867	3.759	7.6	20.4
3 22	12 45.15	−18 34.6	2.795	3.745	5.3	20.2
4 1	12 37.88	−17 58.1	2.751	3.730	3.6	20.1
4 11	12 30.57	−17 11.4	2.736	3.714	3.9	20.1
4 21	12 23.84	−16 18.4	2.751	3.698	6.0	20.2
5 1	12 18.23	−15 23.8	2.793	3.682	8.5	20.3

60348 2000 AT_{81} 3 31.0 18.°47 2.°4/ 2.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.79	−12 58.2	1.506	2.291	18.6	19.1
3 2	12 58.40	−12 46.2	1.424	2.293	15.1	18.9
3 12	12 53.31	−12 11.2	1.361	2.295	11.0	18.7
3 22	12 46.11	−11 14.8	1.320	2.298	6.3	18.4
4 1	12 37.78	−10 2.1	1.305	2.301	2.4	18.2
4 11	12 29.59	− 8 41.6	1.315	2.305	5.2	18.3
4 21	12 22.70	− 7 23.0	1.351	2.308	9.9	18.6
5 1	12 18.00	− 6 15.2	1.410	2.313	14.2	18.9

325289 2008 HC_{12} 3 31.0 36.°04 3.°3/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 10.27	+ 3 58.9	1.611	2.421	16.5	19.8
3 2	13 5.51	+ 4 4.1	1.534	2.424	13.0	19.6
3 12	12 57.96	+ 4 13.9	1.478	2.428	8.9	19.4
3 22	12 48.29	+ 4 23.3	1.447	2.431	4.8	19.1
4 1	12 37.55	+ 4 26.8	1.444	2.436	3.7	19.1
4 11	12 27.06	+ 4 19.5	1.467	2.440	7.3	19.3
4 21	12 17.98	+ 3 58.7	1.516	2.444	11.5	19.6
5 1	12 11.20	+ 3 23.5	1.588	2.449	15.3	19.8

418040 2007 VM_{61} 3 31.0 261.°88 0.°6/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.70	− 7 58.6	1.777	2.559	16.3	22.2
3 2	13 2.11	− 7 46.4	1.667	2.538	13.2	21.9
3 12	12 55.87	− 7 17.8	1.578	2.517	9.3	21.6
3 22	12 47.43	− 6 34.7	1.513	2.496	4.8	21.3
4 1	12 37.63	− 5 41.2	1.475	2.474	0.6	20.9
4 11	12 27.64	− 4 44.0	1.465	2.451	5.3	21.2
4 21	12 18.64	− 3 50.7	1.481	2.428	10.2	21.4
5 1	12 11.64	− 3 8.0	1.521	2.404	14.6	21.6

465926 2010 WU_{35} 3 31.0 99.°70 3.°8/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.45	+ 3 36.0	1.837	2.645	14.9	21.8
3 2	13 2.00	+ 4 25.7	1.772	2.662	11.5	21.6
3 12	12 55.25	+ 5 21.7	1.730	2.679	7.8	21.4
3 22	12 46.85	+ 6 17.6	1.714	2.696	4.5	21.2
4 1	12 37.72	+ 7 6.4	1.726	2.712	4.3	21.2
4 11	12 28.91	+ 7 42.1	1.766	2.728	7.3	21.4
4 21	12 21.34	+ 8 0.9	1.832	2.744	10.8	21.7
5 1	12 15.68	+ 8 1.5	1.920	2.759	13.9	21.9

419369 2009 XT_{8} 3 31.0 208.°22 2.°5/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.59	−15 9.2	2.036	2.789	15.5	20.7
3 2	12 57.54	−14 44.6	1.939	2.787	12.7	20.5
3 12	12 52.36	−13 59.7	1.863	2.786	9.3	20.3
3 22	12 45.54	−12 55.7	1.812	2.784	5.6	20.1
4 1	12 37.85	−11 36.8	1.788	2.782	2.6	19.9
4 11	12 30.23	−10 9.7	1.792	2.780	4.3	20.0
4 21	12 23.56	− 8 42.1	1.824	2.778	8.1	20.2
5 1	12 18.57	− 7 21.8	1.882	2.776	11.7	20.4

367003 2006 AU_{15} 3 31.0 124.°57 2.°6/ 2.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.31	−14 29.9	2.525	3.252	13.4	22.5
3 2	13 2.14	−14 34.8	2.441	3.272	11.0	22.4
3 12	12 55.11	−14 25.2	2.380	3.292	8.1	22.2
3 22	12 46.74	−14 2.1	2.345	3.311	5.0	22.1
4 1	12 37.74	−13 27.7	2.339	3.330	2.7	21.9
4 11	12 28.91	−12 45.9	2.363	3.347	3.9	22.0
4 21	12 21.00	−12 1.5	2.417	3.364	6.8	22.3
5 1	12 14.61	−11 19.4	2.498	3.380	9.6	22.5

17397 1981 EF_{48} 3 31.0 147.°28 0.°3/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.46	− 7 28.5	3.239	4.004	10.0	19.3
3 2	12 54.16	− 7 8.0	3.142	4.005	7.9	19.2
3 12	12 49.57	− 6 38.6	3.070	4.006	5.4	19.0
3 22	12 44.04	− 6 2.3	3.025	4.007	2.7	18.8
4 1	12 38.04	− 5 21.8	3.009	4.009	0.3	18.6
4 11	12 32.09	− 4 40.7	3.024	4.010	3.0	18.8
4 21	12 26.69	− 4 2.3	3.068	4.011	5.7	19.0
5 1	12 22.28	− 3 29.7	3.139	4.011	8.1	19.2

397860 2008 TO_{135} 3 31.0 176.°60 3.°7/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.63	+ 1 49.4	1.878	2.681	14.8	21.8
3 2	13 2.30	+ 3 0.0	1.796	2.684	11.5	21.6
3 12	12 55.60	+ 4 20.7	1.737	2.686	7.8	21.4
3 22	12 47.11	+ 5 44.7	1.705	2.688	4.5	21.2
4 1	12 37.70	+ 7 3.7	1.702	2.688	4.3	21.2
4 11	12 28.45	+ 8 9.8	1.727	2.688	7.6	21.4
4 21	12 20.33	+ 8 57.3	1.778	2.687	11.3	21.6
5 1	12 14.11	+ 9 23.5	1.853	2.685	14.6	21.8

371026 2005 UL_{76} 3 31.0 173.°27 1.°4/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.29	− 9 4.6	2.258	3.013	14.0	21.3
3 2	13 3.27	− 9 15.0	2.162	3.016	11.3	21.1
3 12	12 56.12	− 9 13.5	2.089	3.018	8.0	20.9
3 22	12 47.34	− 9 1.3	2.042	3.020	4.4	20.6
4 1	12 37.69	− 8 40.7	2.024	3.021	1.4	20.4
4 11	12 28.10	− 8 15.8	2.036	3.022	4.1	20.6
4 21	12 19.46	− 7 50.9	2.077	3.022	7.8	20.8
5 1	12 12.47	− 7 30.4	2.143	3.022	11.1	21.0

90124 2002 XJ_{80} 3 31.0 161.°84 5.°2/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.31	+ 9 11.1	2.226	3.030	12.7	19.9
3 2	13 1.60	+10 14.7	2.152	3.037	10.0	19.7
3 12	12 54.88	+11 20.4	2.102	3.043	7.2	19.6
3 22	12 46.68	+12 21.7	2.079	3.048	5.3	19.4
4 1	12 37.77	+13 12.0	2.086	3.053	5.7	19.5
4 11	12 29.06	+13 46.1	2.120	3.057	8.0	19.6
4 21	12 21.34	+14 1.3	2.181	3.060	10.8	19.8
5 1	12 15.26	+13 56.9	2.264	3.062	13.4	20.0

377375 2004 RF_{202} 3 31.0 252.°94 2.°2/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.71	−14 21.2	2.189	2.938	14.6	21.3
3 2	12 58.40	−13 57.9	2.074	2.921	12.0	21.0
3 12	12 52.99	−13 15.5	1.981	2.904	8.8	20.8
3 22	12 45.91	−12 15.0	1.913	2.886	5.2	20.5
4 1	12 37.85	−10 59.8	1.872	2.867	2.3	20.3
4 11	12 29.71	− 9 35.8	1.861	2.848	4.3	20.4
4 21	12 22.38	− 8 10.4	1.878	2.829	8.1	20.6
5 1	12 16.63	− 6 51.0	1.921	2.809	11.7	20.8

364181 2006 OJ_{14} 3 31.0 263.°80 0.°9/30.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.01	− 4 56.1	1.765	2.560	15.9	21.9
3 2	13 0.71	− 4 23.6	1.660	2.542	12.6	21.7
3 12	12 54.85	− 3 35.4	1.577	2.524	8.7	21.4
3 22	12 46.92	− 2 35.2	1.519	2.505	4.2	21.1
4 1	12 37.74	− 1 28.9	1.487	2.486	1.3	20.8
4 11	12 28.45	− 0 24.4	1.484	2.466	6.0	21.1
4 21	12 20.16	+ 0 30.8	1.507	2.446	10.7	21.3
5 1	12 13.84	+ 1 10.7	1.552	2.426	14.9	21.5

211187 2002 JG_{149} 3 31.0 299.°50 1.°9/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.15	− 4 25.5	1.480	2.296	17.4	20.6
3 2	12 58.06	− 3 33.1	1.387	2.282	13.8	20.3
3 12	12 53.24	− 2 21.4	1.314	2.267	9.4	20.0
3 22	12 46.18	− 0 55.6	1.266	2.253	4.5	19.7
4 1	12 37.82	+ 0 35.8	1.243	2.240	2.3	19.5
4 11	12 29.44	+ 2 1.9	1.246	2.226	7.1	19.7
4 21	12 22.24	+ 3 13.0	1.273	2.213	12.2	20.0
5 1	12 17.24	+ 4 2.2	1.322	2.200	16.7	20.2

56398 2000 EW_{134} 3 31.0 324.°26 4.°4/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.05	+ 3 7.6	1.223	2.060	19.1	19.2
3 2	13 2.49	+ 3 36.1	1.143	2.049	15.1	18.9
3 12	12 56.56	+ 4 14.2	1.082	2.038	10.4	18.6
3 22	12 47.89	+ 4 54.9	1.043	2.028	5.8	18.3
4 1	12 37.64	+ 5 28.9	1.027	2.019	5.0	18.2
4 11	12 27.45	+ 5 47.5	1.036	2.010	9.4	18.4
4 21	12 18.83	+ 5 44.9	1.067	2.002	14.5	18.7
5 1	12 12.96	+ 5 19.1	1.117	1.994	19.1	18.9

393115 2013 BH_{19} 3 31.0 140.°90 4.°3/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.76	+ 3 2.2	1.682	2.490	16.0	21.8
3 2	13 4.12	+ 4 8.8	1.613	2.503	12.4	21.6
3 12	12 56.88	+ 5 24.1	1.566	2.515	8.5	21.4
3 22	12 47.74	+ 6 40.4	1.545	2.526	5.0	21.2
4 1	12 37.69	+ 7 49.2	1.551	2.536	4.9	21.2
4 11	12 27.94	+ 8 42.3	1.586	2.546	8.2	21.4
4 21	12 19.55	+ 9 15.0	1.645	2.554	12.0	21.6
5 1	12 13.31	+ 9 25.6	1.727	2.562	15.4	21.9

134586 1999 TA_{61} 3 31.1 276.°92 1.°1/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.92	− 9 20.2	1.687	2.471	17.0	21.1
3 2	13 0.89	− 9 9.4	1.577	2.449	13.8	20.8
3 12	12 55.15	− 8 40.2	1.488	2.427	9.8	20.5
3 22	12 47.15	− 7 54.0	1.422	2.404	5.2	20.2
4 1	12 37.73	− 6 55.0	1.382	2.381	1.1	19.8
4 11	12 28.09	− 5 50.2	1.370	2.357	5.4	20.1
4 21	12 19.47	− 4 48.0	1.383	2.334	10.4	20.3
5 1	12 12.91	− 3 56.0	1.420	2.310	15.0	20.5

193614 2001 CZ_{13} 3 31.1 27.°29 2.°5/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.61	−10 23.6	1.600	2.383	17.8	19.6
3 2	13 1.19	−10 50.9	1.523	2.391	14.4	19.4
3 12	12 55.10	−11 2.0	1.466	2.400	10.4	19.2
3 22	12 46.96	−10 57.5	1.432	2.410	6.0	19.0
4 1	12 37.77	−10 40.0	1.424	2.420	2.6	18.8
4 11	12 28.77	−10 14.9	1.443	2.431	5.1	19.0
4 21	12 21.08	− 9 48.1	1.487	2.443	9.4	19.2
5 1	12 15.55	− 9 25.6	1.555	2.455	13.3	19.5

439738 2015 FD_{213} 3 31.1 252.°14 4.°4/25.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.58	+ 7 56.8	2.528	3.335	11.3	21.3
3 2	12 57.85	+ 8 55.9	2.432	3.320	8.9	21.1
3 12	12 52.35	+ 9 58.6	2.361	3.305	6.4	21.0
3 22	12 45.50	+10 59.4	2.318	3.290	4.6	20.8
4 1	12 37.93	+11 52.6	2.304	3.274	5.0	20.8
4 11	12 30.37	+12 33.0	2.318	3.258	7.2	20.9
4 21	12 23.53	+12 57.1	2.358	3.242	9.9	21.1
5 1	12 18.03	+13 3.5	2.422	3.226	12.5	21.2

165481 2001 AX_{50} 3 31.1 107.°75 1.°5/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.72	−10 45.9	1.744	2.515	17.0	20.8
3 2	13 2.50	−10 33.9	1.669	2.532	13.6	20.6
3 12	12 55.78	−10 3.9	1.614	2.548	9.6	20.4
3 22	12 47.21	− 9 18.3	1.584	2.564	5.2	20.2
4 1	12 37.75	− 8 21.7	1.581	2.579	1.5	20.0
4 11	12 28.56	− 7 21.2	1.606	2.594	4.8	20.2
4 21	12 20.65	− 6 24.0	1.658	2.608	9.0	20.5
5 1	12 14.80	− 5 36.4	1.734	2.622	12.8	20.7

171934 2001 SL_{213} 3 31.1 196.°29 0.°9/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.76	− 3 22.1	2.592	3.373	11.8	21.5
3 2	12 57.86	− 2 53.8	2.497	3.372	9.2	21.3
3 12	12 52.28	− 2 16.6	2.425	3.369	6.2	21.1
3 22	12 45.44	− 1 33.4	2.381	3.367	2.9	20.9
4 1	12 37.94	− 0 48.3	2.366	3.364	1.1	20.8
4 11	12 30.50	− 0 5.9	2.381	3.361	4.3	21.0
4 21	12 23.80	+ 0 29.6	2.425	3.357	7.5	21.2
5 1	12 18.40	+ 0 55.3	2.494	3.353	10.4	21.4

341369 2007 TU_{95} 3 31.1 83.°73 2.°6/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.24	+ 2 33.7	2.208	3.008	13.0	20.7
3 2	13 0.02	+ 2 58.3	2.128	3.014	10.1	20.5
3 12	12 53.83	+ 3 28.3	2.071	3.019	6.8	20.3
3 22	12 46.20	+ 3 59.5	2.041	3.025	3.6	20.1
4 1	12 37.86	+ 4 27.1	2.039	3.030	3.0	20.1
4 11	12 29.69	+ 4 46.5	2.066	3.036	5.8	20.2
4 21	12 22.46	+ 4 54.7	2.120	3.041	9.1	20.5
5 1	12 16.81	+ 4 49.7	2.199	3.046	12.1	20.7

285657 2000 SQ_{48} 3 31.1 189.°47 0.°6/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.13	− 6 3.2	2.953	3.724	10.7	21.1
3 2	12 55.60	− 5 9.5	2.854	3.723	8.4	20.9
3 12	12 50.63	− 4 5.0	2.780	3.722	5.7	20.7
3 22	12 44.60	− 2 52.9	2.734	3.719	2.7	20.5
4 1	12 38.03	− 1 37.7	2.719	3.717	0.8	20.4
4 11	12 31.52	− 0 24.2	2.734	3.714	3.8	20.6
4 21	12 25.63	+ 0 42.8	2.780	3.711	6.7	20.8
5 1	12 20.83	+ 1 39.6	2.851	3.707	9.4	20.9

214828 2006 VE_{73} 3 31.1 215.°45 1.°3/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.85	− 1 49.9	2.711	3.497	11.2	21.2
3 2	12 57.10	− 1 17.9	2.614	3.492	8.7	21.0
3 12	12 51.74	− 0 38.1	2.541	3.487	5.9	20.8
3 22	12 45.17	+ 0 6.4	2.495	3.481	2.8	20.6
4 1	12 37.98	+ 0 51.5	2.479	3.475	1.6	20.5
4 11	12 30.84	+ 1 32.8	2.493	3.469	4.4	20.7
4 21	12 24.37	+ 2 6.6	2.535	3.463	7.5	20.9
5 1	12 19.13	+ 2 29.9	2.603	3.456	10.2	21.0

117601 2005 EH_{72} 3 31.1 99.°09 3.°1/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.11	+ 1 33.4	1.598	2.408	16.6	19.9
3 2	13 3.79	+ 2 2.4	1.526	2.417	13.0	19.7
3 12	12 56.77	+ 2 39.8	1.475	2.426	8.8	19.5
3 22	12 47.73	+ 3 20.1	1.449	2.435	4.6	19.2
4 1	12 37.72	+ 3 56.3	1.451	2.443	3.5	19.2
4 11	12 27.98	+ 4 21.8	1.479	2.452	7.2	19.4
4 21	12 19.64	+ 4 32.3	1.532	2.460	11.4	19.7
5 1	12 13.52	+ 4 25.7	1.608	2.468	15.1	19.9

231769 1999 VS_{150} 3 31.1 163.°77 0.°6/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.24	− 8 34.9	2.395	3.160	13.1	21.1
3 2	12 59.17	− 8 15.5	2.302	3.164	10.4	20.9
3 12	12 53.24	− 7 43.5	2.233	3.168	7.2	20.7
3 22	12 45.93	− 7 1.1	2.190	3.171	3.7	20.5
4 1	12 37.91	− 6 12.1	2.176	3.174	0.6	20.2
4 11	12 29.99	− 5 21.5	2.191	3.177	3.9	20.5
4 21	12 22.90	− 4 34.1	2.235	3.179	7.4	20.7
5 1	12 17.26	− 3 54.5	2.305	3.181	10.6	20.9

384887 2012 TG_6 3 31.1 140.°55 0.°9/30.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.39	− 3 54.2	2.597	3.377	11.8	21.9
3 2	12 57.51	− 3 19.6	2.511	3.386	9.2	21.8
3 12	12 51.99	− 2 35.7	2.449	3.393	6.2	21.6
3 22	12 45.28	− 1 45.7	2.415	3.401	2.9	21.4
4 1	12 37.98	− 0 54.1	2.410	3.408	1.1	21.2
4 11	12 30.81	− 0 5.4	2.436	3.415	4.2	21.5
4 21	12 24.40	+ 0 36.1	2.489	3.422	7.4	21.7
5 1	12 19.29	+ 1 7.3	2.568	3.428	10.2	21.9

72920 2001 SK_{79} 3 31.1 135.°48 1.°8/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.25	− 1 47.8	2.456	3.248	12.0	19.6
3 2	12 56.72	− 0 52.2	2.373	3.255	9.3	19.5
3 12	12 51.51	+ 0 12.7	2.315	3.262	6.2	19.3
3 22	12 45.06	+ 1 22.6	2.284	3.269	3.0	19.1
4 1	12 38.01	+ 2 32.0	2.282	3.276	2.2	19.0
4 11	12 31.09	+ 3 35.1	2.310	3.282	5.1	19.2
4 21	12 24.96	+ 4 27.3	2.366	3.289	8.2	19.4
5 1	12 20.18	+ 5 5.6	2.447	3.294	11.0	19.6

376002 2010 AT_{11} 3 31.1 121.°45 3.°6/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.31	+ 3 29.0	2.247	3.052	12.6	21.4
3 2	12 58.44	+ 4 35.1	2.176	3.065	9.7	21.3
3 12	12 52.71	+ 5 47.4	2.128	3.077	6.6	21.1
3 22	12 45.64	+ 7 0.0	2.108	3.089	4.0	20.9
4 1	12 37.95	+ 8 6.5	2.117	3.100	4.1	21.0
4 11	12 30.46	+ 9 1.0	2.155	3.111	6.7	21.1
4 21	12 23.88	+ 9 39.7	2.220	3.122	9.6	21.3
5 1	12 18.82	+10 0.5	2.308	3.132	12.4	21.5

426770 2013 TO_{105} 3 31.1 228.°91 3.°9/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.13	−19 18.5	2.325	3.042	14.7	22.2
3 2	12 59.43	−19 14.4	2.212	3.030	12.4	22.0
3 12	12 53.65	−18 50.7	2.119	3.018	9.6	21.8
3 22	12 46.23	−18 7.2	2.050	3.006	6.6	21.5
4 1	12 37.88	−17 5.4	2.009	2.992	4.2	21.4
4 11	12 29.48	−15 50.1	1.997	2.979	4.7	21.4
4 21	12 21.89	−14 27.8	2.013	2.964	7.6	21.5
5 1	12 15.87	−13 5.9	2.056	2.949	10.8	21.7

290260 2005 SK_{123} 3 31.1 164.°30 1.°1/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.19	− 9 43.8	2.196	2.958	14.2	21.9
3 2	13 0.89	− 9 33.2	2.104	2.963	11.4	21.7
3 12	12 54.53	− 9 8.6	2.035	2.967	8.0	21.5
3 22	12 46.60	− 8 31.9	1.991	2.970	4.3	21.2
4 1	12 37.86	− 7 46.6	1.975	2.973	1.1	21.0
4 11	12 29.21	− 6 57.8	1.989	2.976	4.1	21.2
4 21	12 21.51	− 6 11.2	2.032	2.978	7.9	21.5
5 1	12 15.43	− 5 31.5	2.099	2.980	11.2	21.7

67940 2000 WT_{143} 3 31.1 161.°60 1.°4/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.49	−10 39.0	2.143	2.898	14.7	20.2
3 2	13 2.73	−10 28.3	2.052	2.905	11.9	20.0
3 12	12 55.80	−10 2.5	1.983	2.912	8.4	19.8
3 22	12 47.22	− 9 23.4	1.940	2.918	4.6	19.6
4 1	12 37.80	− 8 34.5	1.926	2.923	1.4	19.3
4 11	12 28.50	− 7 41.4	1.941	2.928	4.2	19.6
4 21	12 20.20	− 6 49.8	1.985	2.931	8.0	19.8
5 1	12 13.64	− 6 5.2	2.054	2.934	11.5	20.0

228674 2002 JZ_{80} 3 31.1 351.°95 0.°8/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.14	− 3 41.6	1.601	2.410	16.6	19.9
3 2	12 59.30	− 3 31.0	1.516	2.406	13.1	19.7
3 12	12 53.87	− 3 7.7	1.453	2.402	9.0	19.4
3 22	12 46.42	− 2 35.1	1.413	2.400	4.3	19.1
4 1	12 37.88	− 1 58.7	1.399	2.398	1.2	18.9
4 11	12 29.43	− 1 25.2	1.412	2.396	5.8	19.2
4 21	12 22.18	− 1 0.4	1.449	2.395	10.5	19.5
5 1	12 17.00	− 0 48.9	1.510	2.395	14.5	19.7

503667 2016 GH_{246} 3 31.1 78.°09 1.°0/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.71	− 8 17.9	1.735	2.518	16.6	21.5
3 2	13 1.77	− 8 16.8	1.658	2.529	13.3	21.3
3 12	12 55.35	− 8 0.6	1.601	2.540	9.3	21.1
3 22	12 47.05	− 7 31.5	1.569	2.551	4.8	20.8
4 1	12 37.82	− 6 53.6	1.563	2.562	1.0	20.6
4 11	12 28.81	− 6 13.1	1.586	2.573	4.9	20.9
4 21	12 21.03	− 5 36.1	1.634	2.584	9.2	21.1
5 1	12 15.27	− 5 7.9	1.707	2.595	13.0	21.4

372692 2009 WC_{195} 3 31.1 174.°59 1.°6/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.42	− 1 5.5	2.351	3.136	12.7	21.5
3 2	13 0.87	− 0 36.7	2.261	3.139	9.9	21.3
3 12	12 54.41	+ 0 0.1	2.196	3.141	6.7	21.1
3 22	12 46.51	+ 0 41.5	2.157	3.143	3.2	20.9
4 1	12 37.88	+ 1 22.7	2.148	3.144	1.9	20.8
4 11	12 29.36	+ 1 58.9	2.169	3.144	5.0	21.0
4 21	12 21.72	+ 2 25.9	2.218	3.144	8.5	21.2
5 1	12 15.59	+ 2 41.1	2.292	3.144	11.5	21.4

242565 2005 EM_{207} 3 31.1 36.°05 2.°6/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.33	− 3 31.1	1.747	2.560	15.3	20.3
3 2	12 55.13	− 1 58.0	1.675	2.570	11.8	20.1
3 12	12 50.76	− 0 8.8	1.627	2.580	7.8	19.9
3 22	12 44.80	+ 1 48.8	1.604	2.591	3.9	19.7
4 1	12 38.06	+ 3 45.2	1.610	2.602	3.2	19.6
4 11	12 31.54	+ 5 30.2	1.643	2.614	6.9	19.9
4 21	12 26.09	+ 6 56.0	1.702	2.626	10.7	20.1
5 1	12 22.39	+ 7 58.3	1.785	2.639	14.2	20.4

286377 2001 XE_{235} 3 31.1 102.°91 3.°9/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.64	−19 39.7	2.567	3.277	13.6	21.1
3 2	12 57.86	−19 44.0	2.478	3.291	11.4	21.0
3 12	12 52.31	−19 31.3	2.410	3.304	8.8	20.8
3 22	12 45.47	−19 1.8	2.367	3.317	6.1	20.7
4 1	12 37.99	−18 17.2	2.351	3.330	4.1	20.5
4 11	12 30.64	−17 21.6	2.364	3.343	4.4	20.6
4 21	12 24.10	−16 20.2	2.405	3.355	6.6	20.7
5 1	12 18.96	−15 18.7	2.474	3.368	9.2	20.9

415964 2001 XE_{182} 3 31.1 57.°23 7.°9/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.70	−26 32.5	1.686	2.386	20.1	20.8
3 2	13 1.28	−27 11.4	1.618	2.410	17.4	20.7
3 12	12 55.15	−27 22.3	1.566	2.434	14.2	20.5
3 22	12 46.98	−27 2.5	1.535	2.458	11.1	20.4
4 1	12 37.84	−26 12.8	1.527	2.483	8.6	20.3
4 11	12 29.02	−24 58.6	1.544	2.508	8.0	20.3
4 21	12 21.62	−23 29.1	1.587	2.533	9.7	20.5
5 1	12 16.47	−21 54.8	1.654	2.557	12.4	20.7

88616 2001 RC_4 3 31.1 41.°57 8.°5/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.48	−22 59.7	1.579	2.301	20.4	18.4
3 2	13 3.88	−24 18.5	1.501	2.310	17.7	18.2
3 12	12 57.24	−25 14.0	1.439	2.320	14.5	18.0
3 22	12 48.15	−25 41.8	1.398	2.330	11.2	17.9
4 1	12 37.71	−25 39.7	1.381	2.341	8.9	17.7
4 11	12 27.34	−25 10.6	1.388	2.351	8.7	17.8
4 21	12 18.40	−24 21.5	1.419	2.363	10.8	17.9
5 1	12 11.95	−23 22.4	1.473	2.374	13.9	18.1

133926 2004 SB_{31} 3 31.1 109.°19 1.°0/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.16	− 5 49.8	1.593	2.390	17.2	20.9
3 2	13 1.50	− 5 4.6	1.520	2.403	13.5	20.7
3 12	12 55.22	− 4 2.4	1.469	2.416	9.1	20.5
3 22	12 47.00	− 2 48.4	1.442	2.428	4.3	20.2
4 1	12 37.84	− 1 30.2	1.442	2.440	1.3	20.0
4 11	12 28.96	− 0 16.9	1.469	2.452	6.0	20.4
4 21	12 21.42	+ 0 44.0	1.523	2.463	10.5	20.6
5 1	12 16.02	+ 1 27.3	1.599	2.474	14.5	20.9

82947 2001 QV_{121} 3 31.1 174.°00 1.°5/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.81	− 1 34.2	2.534	3.322	11.8	20.3
3 2	12 57.93	− 0 58.8	2.444	3.324	9.2	20.2
3 12	12 52.34	− 0 15.2	2.379	3.325	6.2	20.0
3 22	12 45.49	+ 0 33.0	2.340	3.326	3.0	19.8
4 1	12 38.00	+ 1 21.4	2.332	3.327	1.8	19.7
4 11	12 30.61	+ 2 5.0	2.352	3.328	4.7	19.9
4 21	12 23.98	+ 2 40.0	2.401	3.328	7.9	20.1
5 1	12 18.68	+ 3 3.4	2.475	3.328	10.7	20.3

210160 2006 SR_{281} 3 31.1 96.°20 1.°9/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.02	− 2 2.1	2.292	3.090	12.6	20.1
3 2	12 55.95	− 1 3.5	2.207	3.092	9.8	19.9
3 12	12 51.09	+ 0 5.7	2.145	3.094	6.5	19.7
3 22	12 44.91	+ 1 20.7	2.110	3.096	3.2	19.5
4 1	12 38.07	+ 2 35.5	2.105	3.099	2.3	19.4
4 11	12 31.33	+ 3 43.8	2.128	3.101	5.4	19.6
4 21	12 25.41	+ 4 40.3	2.179	3.103	8.7	19.8
5 1	12 20.89	+ 5 21.6	2.254	3.105	11.7	20.0

466168 2012 JU_{20} 3 31.1 289.°30 2.°7/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.81	−13 57.7	1.795	2.563	16.7	21.6
3 2	12 58.24	−13 48.6	1.687	2.544	13.8	21.4
3 12	12 53.22	−13 18.4	1.598	2.526	10.2	21.1
3 22	12 46.17	−12 27.6	1.533	2.508	6.1	20.8
4 1	12 37.92	−11 19.5	1.494	2.489	2.8	20.5
4 11	12 29.55	−10 0.5	1.482	2.471	4.9	20.6
4 21	12 22.14	− 8 39.4	1.497	2.453	9.3	20.8
5 1	12 16.64	− 7 24.7	1.535	2.434	13.5	21.0

134616 1999 TP_{235} 3 31.1 239.°35 1.°7/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.05	− 2 48.4	1.933	2.726	14.8	21.0
3 2	13 1.24	− 2 8.3	1.831	2.713	11.6	20.8
3 12	12 55.06	− 1 15.1	1.751	2.699	7.9	20.5
3 22	12 47.00	− 0 13.2	1.697	2.684	3.8	20.2
4 1	12 37.85	+ 0 51.3	1.672	2.668	2.1	20.1
4 11	12 28.65	+ 1 51.1	1.675	2.652	6.0	20.3
4 21	12 20.42	+ 2 39.9	1.704	2.635	10.2	20.5
5 1	12 13.99	+ 3 12.9	1.758	2.618	14.0	20.7

67317 2000 HE_{43} 3 31.1 62.°41 1.°4/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.01	−11 58.3	1.689	2.469	17.1	19.8
3 2	12 58.25	−11 27.0	1.606	2.474	13.8	19.6
3 12	12 53.05	−10 34.4	1.543	2.479	9.8	19.4
3 22	12 45.98	− 9 23.2	1.504	2.484	5.3	19.1
4 1	12 37.96	− 7 59.2	1.491	2.489	1.4	18.8
4 11	12 30.10	− 6 31.0	1.506	2.495	4.9	19.1
4 21	12 23.41	− 5 7.6	1.547	2.500	9.3	19.4
5 1	12 18.67	− 3 56.8	1.613	2.505	13.3	19.6

165359 2000 WS_{75} 3 31.1 147.°24 1.°3/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.70	− 9 56.9	1.932	2.697	15.8	21.1
3 2	13 3.12	− 9 47.6	1.847	2.706	12.7	20.9
3 12	12 56.18	− 9 22.6	1.783	2.716	8.9	20.7
3 22	12 47.45	− 8 43.8	1.744	2.724	4.8	20.5
4 1	12 37.82	− 7 55.2	1.734	2.732	1.3	20.3
4 11	12 28.35	− 7 2.9	1.752	2.739	4.6	20.5
4 21	12 20.01	− 6 13.0	1.798	2.746	8.7	20.8
5 1	12 13.58	− 5 31.4	1.869	2.751	12.3	21.0

131224 2001 DT_{92} 3 31.1 131.°21 2.°3/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.93	− 0 12.1	2.159	2.957	13.3	20.3
3 2	12 59.07	+ 0 31.8	2.079	2.964	10.3	20.1
3 12	12 53.24	+ 1 24.3	2.023	2.971	6.9	19.9
3 22	12 45.97	+ 2 20.9	1.993	2.978	3.5	19.7
4 1	12 37.99	+ 3 15.7	1.991	2.984	2.6	19.7
4 11	12 30.16	+ 4 3.0	2.019	2.991	5.7	19.9
4 21	12 23.28	+ 4 38.2	2.073	2.996	9.1	20.1
5 1	12 17.97	+ 4 58.6	2.152	3.002	12.2	20.3

106101 2000 TT_{12} 3 31.1 260.°80 4.°9/25.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.19	+11 11.6	2.685	3.486	10.9	20.6
3 2	12 59.84	+12 0.5	2.582	3.464	8.7	20.5
3 12	12 53.71	+12 50.3	2.505	3.442	6.5	20.3
3 22	12 46.22	+13 35.9	2.456	3.420	5.0	20.1
4 1	12 37.96	+14 12.1	2.435	3.397	5.4	20.1
4 11	12 29.68	+14 34.3	2.443	3.373	7.5	20.2
4 21	12 22.10	+14 39.9	2.478	3.349	10.0	20.3
5 1	12 15.83	+14 28.2	2.536	3.325	12.4	20.5

241275 2007 TU_{430} 3 31.1 205.°29 6.°5/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.59	+17 43.1	2.743	3.546	10.6	21.1
3 2	12 58.47	+18 55.9	2.669	3.542	8.7	21.0
3 12	12 52.67	+20 5.5	2.620	3.538	7.2	20.9
3 22	12 45.65	+21 5.9	2.598	3.533	6.5	20.8
4 1	12 38.02	+21 51.5	2.604	3.527	7.2	20.8
4 11	12 30.50	+22 18.4	2.637	3.522	8.9	20.9
4 21	12 23.74	+22 24.9	2.695	3.515	10.8	21.1
5 1	12 18.29	+22 11.3	2.774	3.509	12.7	21.2

9057 1992 HA_5 3 31.1 241.°26 0.°8/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.70	− 3 32.0	2.780	3.560	11.1	18.3
3 2	12 57.01	− 3 3.0	2.674	3.548	8.7	18.1
3 12	12 51.72	− 2 25.3	2.592	3.536	5.9	17.9
3 22	12 45.22	− 1 41.5	2.538	3.523	2.8	17.6
4 1	12 38.06	− 0 55.6	2.513	3.510	1.1	17.5
4 11	12 30.90	− 0 11.7	2.518	3.497	4.1	17.7
4 21	12 24.38	+ 0 26.1	2.552	3.484	7.2	17.9
5 1	12 19.03	+ 0 54.6	2.611	3.470	10.0	18.0

7570 1989 CP 3 31.1 67.°69 0.°6/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.84	− 7 39.2	1.528	2.321	18.0	17.6
3 2	13 2.15	− 7 30.4	1.458	2.336	14.3	17.4
3 12	12 55.74	− 7 4.9	1.408	2.351	9.9	17.1
3 22	12 47.29	− 6 25.8	1.382	2.366	5.0	16.9
4 1	12 37.86	− 5 38.3	1.381	2.381	0.6	16.6
4 11	12 28.74	− 4 50.1	1.408	2.395	5.4	17.0
4 21	12 21.03	− 4 8.0	1.460	2.410	10.0	17.3
5 1	12 15.56	− 3 37.7	1.536	2.425	14.1	17.6

313640 2003 SL_{49} 3 31.1 225.°65 2.°3/ 2.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.88	−12 40.6	2.104	2.853	15.1	21.8
3 2	13 2.58	−12 38.5	1.994	2.841	12.4	21.6
3 12	12 55.95	−12 20.0	1.905	2.828	9.1	21.4
3 22	12 47.45	−11 45.5	1.841	2.815	5.3	21.1
4 1	12 37.84	−10 57.6	1.805	2.800	2.3	20.9
4 11	12 28.15	−10 1.5	1.798	2.785	4.5	21.0
4 21	12 19.35	− 9 3.4	1.820	2.769	8.4	21.2
5 1	12 12.30	− 8 10.0	1.867	2.752	12.2	21.4

205655 2001 XT_{142} 3 31.1 229.°45 3.°4/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.60	+ 1 17.5	1.815	2.619	15.2	21.1
3 2	13 2.59	+ 2 11.7	1.719	2.608	11.9	20.9
3 12	12 56.06	+ 3 17.0	1.646	2.596	8.1	20.6
3 22	12 47.52	+ 4 27.2	1.599	2.583	4.5	20.4
4 1	12 37.84	+ 5 34.7	1.580	2.569	3.9	20.3
4 11	12 28.15	+ 6 31.4	1.588	2.555	7.5	20.5
4 21	12 19.53	+ 7 11.3	1.623	2.540	11.6	20.7
5 1	12 12.87	+ 7 30.8	1.680	2.525	15.3	20.9

489571 2007 TC_{60} 3 31.1 169.°89 1.°0/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.40	− 2 18.4	2.413	3.195	12.5	21.8
3 2	13 0.06	− 2 4.3	2.322	3.197	9.8	21.6
3 12	12 53.86	− 1 42.2	2.255	3.199	6.6	21.4
3 22	12 46.28	− 1 15.2	2.214	3.200	3.1	21.2
4 1	12 37.99	− 0 46.8	2.203	3.201	1.2	21.0
4 11	12 29.79	− 0 21.5	2.222	3.202	4.5	21.3
4 21	12 22.42	− 0 2.8	2.269	3.203	7.9	21.5
5 1	12 16.50	+ 0 6.5	2.341	3.203	10.9	21.7

255635 2006 QB_5 3 31.1 263.°89 0.°6/31.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.84	− 7 54.7	1.757	2.541	16.4	21.3
3 2	13 1.43	− 7 43.5	1.653	2.526	13.2	21.1
3 12	12 55.42	− 7 16.2	1.569	2.509	9.3	20.8
3 22	12 47.28	− 6 34.6	1.510	2.493	4.8	20.5
4 1	12 37.87	− 5 43.1	1.477	2.476	0.6	20.1
4 11	12 28.34	− 4 48.5	1.472	2.459	5.3	20.4
4 21	12 19.84	− 3 58.0	1.494	2.442	10.0	20.7
5 1	12 13.34	− 3 18.1	1.539	2.424	14.3	20.9

18656 Mergler 3 31.1 117.°00 3.°1/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.73	−13 5.5	1.685	2.447	17.8	18.2
3 2	13 3.59	−13 22.9	1.602	2.456	14.6	18.0
3 12	12 56.76	−13 21.9	1.539	2.464	10.7	17.8
3 22	12 47.84	−13 2.4	1.500	2.472	6.5	17.5
4 1	12 37.82	−12 27.4	1.487	2.480	3.2	17.4
4 11	12 27.96	−11 42.3	1.501	2.488	5.2	17.5
4 21	12 19.39	−10 54.4	1.542	2.495	9.3	17.7
5 1	12 13.01	−10 10.8	1.607	2.502	13.2	18.0

429968 2012 XF_{114} 3 31.1 206.°62 4.°6/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.21	+ 8 20.1	2.464	3.273	11.5	20.9
3 2	12 57.55	+ 9 22.0	2.382	3.271	9.0	20.8
3 12	12 52.14	+10 26.7	2.325	3.268	6.5	20.6
3 22	12 45.43	+11 28.6	2.295	3.266	4.7	20.5
4 1	12 38.08	+12 21.8	2.294	3.263	5.1	20.5
4 11	12 30.82	+13 1.2	2.321	3.260	7.3	20.6
4 21	12 24.36	+13 23.9	2.374	3.256	9.9	20.8
5 1	12 19.26	+13 28.6	2.450	3.253	12.4	20.9

235718 2004 TH_{129} 3 31.1 95.°11 3.°3/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.20	+ 3 24.2	2.013	2.815	13.9	20.7
3 2	13 1.66	+ 4 1.0	1.944	2.831	10.8	20.5
3 12	12 55.00	+ 4 43.2	1.899	2.847	7.3	20.3
3 22	12 46.81	+ 5 25.6	1.881	2.863	4.1	20.1
4 1	12 37.95	+ 6 2.4	1.891	2.879	3.7	20.1
4 11	12 29.36	+ 6 28.5	1.929	2.894	6.5	20.3
4 21	12 21.88	+ 6 40.5	1.994	2.909	9.9	20.6
5 1	12 16.17	+ 6 37.1	2.082	2.924	12.9	20.8

123775 2001 BA_7 3 31.1 322.°36 2.°5/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.00	− 0 7.8	1.755	2.567	15.3	19.5
3 2	12 58.99	+ 0 24.8	1.666	2.559	12.0	19.3
3 12	12 53.59	+ 1 7.8	1.599	2.550	8.1	19.0
3 22	12 46.30	+ 1 56.3	1.556	2.542	4.1	18.8
4 1	12 37.99	+ 2 43.8	1.540	2.535	2.9	18.7
4 11	12 29.73	+ 3 23.3	1.552	2.527	6.6	18.9
4 21	12 22.54	+ 3 49.6	1.588	2.520	10.8	19.1
5 1	12 17.24	+ 3 58.9	1.648	2.514	14.5	19.3

211558 2003 SP_{83} 3 31.1 110.°93 1.°7/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.31	− 3 58.3	1.698	2.499	16.2	20.7
3 2	13 0.67	− 3 3.7	1.626	2.511	12.6	20.5
3 12	12 54.59	− 1 54.2	1.574	2.523	8.5	20.3
3 22	12 46.71	− 0 35.6	1.548	2.535	4.0	20.0
4 1	12 37.96	+ 0 44.3	1.550	2.547	2.1	19.9
4 11	12 29.46	+ 1 56.9	1.580	2.558	6.2	20.2
4 21	12 22.21	+ 2 55.4	1.635	2.569	10.4	20.5
5 1	12 16.95	+ 3 35.3	1.714	2.579	14.1	20.7

495815 2017 FL_{108} 3 31.1 248.°98 0.°9/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.83	− 7 18.7	1.384	2.183	19.3	21.2
3 2	13 4.33	− 7 25.7	1.301	2.181	15.5	20.9
3 12	12 57.66	− 7 15.9	1.236	2.180	10.9	20.6
3 22	12 48.43	− 6 51.1	1.194	2.178	5.6	20.3
4 1	12 37.77	− 6 15.7	1.177	2.176	0.9	20.0
4 11	12 27.18	− 5 37.1	1.187	2.175	6.0	20.3
4 21	12 18.08	− 5 2.9	1.220	2.173	11.3	20.6
5 1	12 11.55	− 4 39.6	1.276	2.171	16.0	20.9

414272 2008 HZ_{32} 3 31.1 18.°16 4.°4/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.25	+ 3 1.4	1.295	2.132	18.2	20.7
3 2	12 59.80	+ 3 43.0	1.231	2.137	14.2	20.5
3 12	12 54.38	+ 4 33.6	1.187	2.144	9.7	20.3
3 22	12 46.71	+ 5 25.6	1.166	2.151	5.5	20.0
4 1	12 37.96	+ 6 9.9	1.170	2.159	4.9	20.0
4 11	12 29.53	+ 6 38.3	1.197	2.169	8.8	20.3
4 21	12 22.63	+ 6 45.9	1.248	2.179	13.2	20.5
5 1	12 18.16	+ 6 31.2	1.319	2.190	17.2	20.8

221085 2005 SK_{50} 3 31.1 61.°91 1.°0/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.44	−12 25.2	1.649	2.428	17.5	20.0
3 2	12 58.41	−11 29.9	1.585	2.453	13.9	19.8
3 12	12 53.01	−10 12.3	1.541	2.478	9.7	19.6
3 22	12 45.90	− 8 37.0	1.521	2.502	5.1	19.4
4 1	12 38.06	− 6 51.6	1.528	2.527	1.0	19.2
4 11	12 30.57	− 5 6.3	1.564	2.552	4.8	19.5
4 21	12 24.36	− 3 30.4	1.626	2.577	9.2	19.8
5 1	12 20.11	− 2 11.0	1.713	2.601	12.9	20.1

277751 2006 DK_{121} 3 31.1 328.°73 4.°0/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.79	+ 4 7.0	1.647	2.468	15.7	20.4
3 2	13 0.59	+ 4 34.7	1.560	2.457	12.4	20.2
3 12	12 54.79	+ 5 8.9	1.494	2.446	8.5	19.9
3 22	12 46.93	+ 5 43.6	1.452	2.436	4.9	19.7
4 1	12 37.94	+ 6 12.2	1.437	2.426	4.4	19.6
4 11	12 29.00	+ 6 28.0	1.448	2.417	7.9	19.8
4 21	12 21.23	+ 6 26.9	1.484	2.408	12.0	20.0
5 1	12 15.52	+ 6 7.1	1.541	2.400	15.7	20.2

496964 2002 OM_{30} 3 31.1 272.°12 1.°5/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.95	−10 15.7	1.755	2.533	16.6	22.6
3 2	13 0.81	−10 7.5	1.646	2.514	13.5	22.4
3 12	12 55.06	− 9 41.1	1.558	2.494	9.7	22.1
3 22	12 47.14	− 8 57.8	1.493	2.474	5.3	21.8
4 1	12 37.91	− 8 1.2	1.455	2.454	1.5	21.5
4 11	12 28.50	− 6 58.0	1.445	2.433	5.1	21.7
4 21	12 20.09	− 5 56.0	1.461	2.412	9.9	21.9
5 1	12 13.66	− 5 2.9	1.500	2.391	14.3	22.1

365532 2010 RY_{148} 3 31.1 276.°37 1.°0/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.76	− 9 36.0	1.699	2.482	16.9	22.1
3 2	13 0.81	− 9 17.8	1.586	2.457	13.7	21.8
3 12	12 55.17	− 8 40.2	1.493	2.432	9.8	21.5
3 22	12 47.25	− 7 44.6	1.424	2.406	5.2	21.2
4 1	12 37.89	− 6 35.4	1.381	2.380	1.0	20.8
4 11	12 28.28	− 5 20.1	1.366	2.354	5.4	21.1
4 21	12 19.65	− 4 7.7	1.377	2.327	10.5	21.3
5 1	12 13.06	− 3 6.5	1.411	2.300	15.1	21.5

237697 2001 UQ_{47} 3 31.1 220.°07 2.°7/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.69	− 0 5.3	1.852	2.649	15.2	21.7
3 2	13 3.39	+ 0 37.8	1.756	2.640	11.9	21.5
3 12	12 56.58	+ 1 31.8	1.682	2.630	8.1	21.2
3 22	12 47.78	+ 2 31.8	1.635	2.620	4.2	20.9
4 1	12 37.86	+ 3 30.9	1.615	2.608	3.1	20.8
4 11	12 27.94	+ 4 21.5	1.624	2.596	6.8	21.0
4 21	12 19.09	+ 4 58.0	1.659	2.583	11.0	21.2
5 1	12 12.19	+ 5 16.7	1.718	2.569	14.8	21.4

364632 2007 TM_{85} 3 31.1 199.°93 1.°8/ 1.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.43	−10 41.7	1.921	2.684	15.9	21.9
3 2	13 3.13	−10 42.2	1.824	2.681	12.9	21.7
3 12	12 56.37	−10 26.9	1.747	2.677	9.3	21.5
3 22	12 47.67	− 9 56.8	1.696	2.673	5.2	21.2
4 1	12 37.89	− 9 15.0	1.672	2.669	1.8	21.0
4 11	12 28.12	− 8 27.0	1.676	2.664	4.7	21.2
4 21	12 19.40	− 7 39.3	1.708	2.658	8.9	21.4
5 1	12 12.60	− 6 58.1	1.765	2.651	12.7	21.6

353454 2011 RY_9 3 31.1 166.°91 2.°9/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.87	−15 31.2	2.744	3.470	12.5	21.2
3 2	12 58.75	−15 41.3	2.644	3.472	10.3	21.1
3 12	12 52.94	−15 37.9	2.567	3.475	7.7	20.9
3 22	12 45.85	−15 21.4	2.515	3.477	5.0	20.7
4 1	12 38.08	−14 53.4	2.491	3.479	3.0	20.6
4 11	12 30.35	−14 17.1	2.498	3.481	3.8	20.6
4 21	12 23.34	−13 36.7	2.533	3.482	6.4	20.8
5 1	12 17.62	−12 56.7	2.594	3.483	9.1	21.0

301444 2009 DM_{82} 3 31.1 284.°87 1.°3/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.54	− 3 17.6	2.285	3.078	12.8	20.9
3 2	12 56.46	− 2 35.8	2.189	3.071	10.0	20.7
3 12	12 51.54	− 1 43.0	2.117	3.065	6.7	20.5
3 22	12 45.22	− 0 42.9	2.071	3.058	3.2	20.2
4 1	12 38.14	+ 0 19.1	2.054	3.051	1.6	20.1
4 11	12 31.12	+ 1 17.2	2.066	3.044	5.0	20.3
4 21	12 24.88	+ 2 6.2	2.105	3.038	8.5	20.5
5 1	12 20.06	+ 2 42.1	2.169	3.031	11.7	20.7

3411 Debetencourt 3 31.1 54.°27 4.°2/28.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.87	+ 2 15.2	1.245	2.075	19.2	16.5
3 2	13 3.49	+ 2 57.2	1.184	2.087	15.0	16.3
3 12	12 56.93	+ 3 49.4	1.144	2.099	10.2	16.1
3 22	12 47.96	+ 4 43.8	1.126	2.111	5.6	15.8
4 1	12 37.88	+ 5 30.9	1.133	2.124	4.7	15.8
4 11	12 28.22	+ 6 2.1	1.164	2.137	8.8	16.1
4 21	12 20.30	+ 6 12.5	1.219	2.150	13.4	16.4
5 1	12 15.03	+ 6 0.5	1.294	2.163	17.5	16.7

452689 2005 XF_{85} 3 31.1 108.°17 3.°8/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.28	+ 2 6.1	1.447	2.265	17.7	21.6
3 2	13 4.26	+ 2 47.4	1.377	2.272	13.8	21.4
3 12	12 57.31	+ 3 38.3	1.328	2.280	9.4	21.1
3 22	12 48.13	+ 4 31.7	1.303	2.288	5.1	20.9
4 1	12 37.86	+ 5 19.4	1.304	2.295	4.3	20.9
4 11	12 27.89	+ 5 53.4	1.331	2.302	8.2	21.1
4 21	12 19.44	+ 6 8.7	1.383	2.309	12.6	21.4
5 1	12 13.41	+ 6 3.4	1.456	2.316	16.5	21.6

339479 2005 EN_{316} 3 31.1 299.°09 0.°3/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.18	− 6 2.9	2.105	2.891	14.0	21.0
3 2	12 57.89	− 5 35.0	2.014	2.890	11.0	20.8
3 12	12 52.58	− 4 54.2	1.946	2.889	7.5	20.6
3 22	12 45.74	− 4 3.7	1.903	2.888	3.6	20.3
4 1	12 38.10	− 3 8.3	1.888	2.887	0.6	20.1
4 11	12 30.54	− 2 13.9	1.902	2.886	4.6	20.4
4 21	12 23.88	− 1 26.2	1.943	2.885	8.5	20.6
5 1	12 18.80	− 0 49.8	2.009	2.884	11.9	20.8

153533 2001 SE_{66} 3 31.1 101.°84 3.°2/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.93	+ 3 52.7	2.053	2.848	14.0	20.6
3 2	13 4.44	+ 4 23.1	1.990	2.872	10.8	20.5
3 12	12 56.81	+ 4 58.0	1.949	2.895	7.4	20.3
3 22	12 47.68	+ 5 32.3	1.936	2.917	4.1	20.1
4 1	12 37.93	+ 6 0.8	1.952	2.940	3.6	20.1
4 11	12 28.52	+ 6 18.8	1.996	2.961	6.4	20.3
4 21	12 20.31	+ 6 23.6	2.068	2.982	9.7	20.6
5 1	12 13.93	+ 6 14.1	2.165	3.002	12.6	20.8

338717 2003 UH_{78} 3 31.1 272.°66 1.°2/ 1.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.92	− 8 59.0	2.327	3.086	13.6	21.2
3 2	13 1.73	− 8 58.4	2.199	3.056	11.0	20.9
3 12	12 55.37	− 8 45.4	2.094	3.026	7.9	20.7
3 22	12 47.22	− 8 21.0	2.015	2.994	4.3	20.4
4 1	12 37.95	− 7 47.4	1.964	2.963	1.2	20.1
4 11	12 28.43	− 7 9.1	1.944	2.930	4.2	20.3
4 21	12 19.58	− 6 30.9	1.951	2.897	8.2	20.4
5 1	12 12.23	− 5 58.0	1.985	2.863	11.9	20.6

172348 2002 VU_{113} 3 31.1 162.°60 0.°3/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.80	− 5 48.1	2.664	3.435	11.7	21.4
3 2	12 57.86	− 5 18.8	2.572	3.440	9.2	21.2
3 12	12 52.29	− 4 39.2	2.504	3.444	6.3	21.1
3 22	12 45.51	− 3 52.2	2.463	3.448	3.0	20.9
4 1	12 38.14	− 3 1.8	2.453	3.452	0.5	20.6
4 11	12 30.85	− 2 12.4	2.472	3.455	3.8	20.9
4 21	12 24.30	− 1 28.4	2.520	3.457	7.0	21.1
5 1	12 19.01	− 0 53.2	2.594	3.460	9.9	21.3

402928 2007 TD_{172} 3 31.1 199.°89 1.°5/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.09	− 3 7.9	1.989	2.778	14.6	22.2
3 2	13 1.90	− 2 26.4	1.895	2.774	11.5	22.0
3 12	12 55.42	− 1 32.4	1.824	2.770	7.8	21.8
3 22	12 47.17	− 0 30.2	1.779	2.765	3.7	21.5
4 1	12 37.97	+ 0 34.1	1.763	2.759	1.9	21.4
4 11	12 28.82	+ 1 33.6	1.775	2.753	5.7	21.6
4 21	12 20.68	+ 2 22.3	1.815	2.746	9.8	21.8
5 1	12 14.32	+ 2 55.8	1.880	2.738	13.4	22.0

34739 2001 QO_{75} 3 31.1 77.°95 0.°3/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.11	− 7 23.4	2.298	3.072	13.3	19.2
3 2	12 58.28	− 7 2.0	2.223	3.091	10.5	19.1
3 12	12 52.63	− 6 28.7	2.170	3.109	7.2	18.9
3 22	12 45.69	− 5 46.3	2.144	3.127	3.6	18.7
4 1	12 38.14	− 4 59.0	2.146	3.145	0.3	18.4
4 11	12 30.79	− 4 11.8	2.178	3.163	4.0	18.8
4 21	12 24.34	− 3 29.5	2.237	3.181	7.4	19.0
5 1	12 19.37	− 2 55.9	2.322	3.199	10.5	19.2

286501 2002 BB_{31} 3 31.1 116.°25 2.°1/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.89	−12 31.9	1.834	2.590	16.8	21.8
3 2	13 4.11	−12 23.5	1.759	2.611	13.6	21.6
3 12	12 56.87	−11 56.7	1.705	2.631	9.7	21.4
3 22	12 47.82	−11 13.3	1.675	2.650	5.5	21.2
4 1	12 37.93	−10 17.4	1.673	2.669	2.2	21.0
4 11	12 28.32	− 9 15.6	1.700	2.687	4.6	21.2
4 21	12 20.00	− 8 15.1	1.754	2.704	8.6	21.5
5 1	12 13.71	− 7 22.3	1.833	2.720	12.3	21.7

216735 2005 JN_{23} 3 31.1 14.°69 1.°4/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.90	− 3 50.2	1.221	2.051	19.6	20.8
3 2	12 59.00	− 3 25.5	1.153	2.054	15.4	20.5
3 12	12 54.02	− 2 43.5	1.103	2.058	10.4	20.2
3 22	12 46.64	− 1 49.8	1.075	2.064	5.0	19.9
4 1	12 38.04	− 0 52.5	1.072	2.070	1.8	19.8
4 11	12 29.69	− 0 1.4	1.092	2.077	7.1	20.1
4 21	12 22.90	+ 0 35.6	1.136	2.086	12.3	20.4
5 1	12 18.64	+ 0 53.2	1.200	2.095	16.8	20.7

53635 2000 DZ_3 3 31.1 216.°88 2.°3/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.53	− 1 3.7	1.812	2.607	15.5	19.5
3 2	13 4.13	− 0 26.8	1.716	2.598	12.3	19.3
3 12	12 57.14	+ 0 21.6	1.642	2.589	8.3	19.0
3 22	12 48.10	+ 1 16.9	1.594	2.579	4.1	18.7
4 1	12 37.89	+ 2 12.6	1.574	2.569	2.6	18.6
4 11	12 27.69	+ 3 1.2	1.582	2.557	6.6	18.8
4 21	12 18.59	+ 3 36.8	1.617	2.545	10.9	19.1
5 1	12 11.51	+ 3 55.4	1.675	2.532	14.8	19.3

381474 2008 SQ_5 3 31.1 188.°15 2.°3/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.79	+ 0 19.3	2.453	3.245	12.0	21.7
3 2	12 58.80	+ 1 7.8	2.362	3.245	9.4	21.5
3 12	12 53.02	+ 2 4.4	2.296	3.243	6.3	21.3
3 22	12 45.92	+ 3 4.6	2.257	3.242	3.3	21.1
4 1	12 38.12	+ 4 3.1	2.248	3.240	2.7	21.1
4 11	12 30.41	+ 4 54.5	2.269	3.237	5.5	21.3
4 21	12 23.48	+ 5 34.5	2.317	3.234	8.6	21.5
5 1	12 17.95	+ 6 0.4	2.390	3.230	11.5	21.6

255732 2006 QS_{135} 3 31.1 245.°42 2.°8/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.72	− 0 2.0	1.993	2.792	14.2	21.3
3 2	13 0.96	+ 0 53.5	1.889	2.775	11.1	21.1
3 12	12 54.89	+ 2 0.7	1.808	2.757	7.6	20.8
3 22	12 46.98	+ 3 14.4	1.753	2.738	4.0	20.6
4 1	12 38.00	+ 4 27.6	1.727	2.719	3.3	20.5
4 11	12 28.95	+ 5 32.5	1.730	2.699	6.8	20.7
4 21	12 20.80	+ 6 23.0	1.759	2.678	10.8	20.8
5 1	12 14.39	+ 6 54.8	1.812	2.657	14.4	21.0

305997 2009 KX_{15} 3 31.1 313.°67 3.°9/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.98	+ 4 36.1	2.128	2.942	12.9	20.9
3 2	12 56.99	+ 5 27.1	2.036	2.929	10.1	20.7
3 12	12 52.01	+ 6 24.4	1.966	2.916	7.0	20.5
3 22	12 45.50	+ 7 22.4	1.924	2.904	4.3	20.3
4 1	12 38.16	+ 8 14.7	1.908	2.891	4.4	20.3
4 11	12 30.85	+ 8 55.4	1.921	2.879	7.1	20.4
4 21	12 24.38	+ 9 20.1	1.959	2.867	10.4	20.6
5 1	12 19.45	+ 9 26.7	2.020	2.856	13.5	20.8

239738 2009 DJ_{10} 3 31.1 179.°22 4.°5/25.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.82	+ 7 41.5	2.491	3.300	11.4	20.7
3 2	12 57.23	+ 8 51.4	2.412	3.301	8.9	20.5
3 12	12 51.93	+10 4.7	2.357	3.301	6.4	20.3
3 22	12 45.37	+11 15.7	2.331	3.302	4.6	20.2
4 1	12 38.18	+12 18.1	2.333	3.302	5.0	20.3
4 11	12 31.10	+13 6.9	2.363	3.301	7.2	20.4
4 21	12 24.80	+13 38.7	2.420	3.301	9.8	20.6
5 1	12 19.84	+13 52.2	2.500	3.300	12.2	20.7

264534 2001 RM_{154} 3 31.1 129.°40 5.°0/ 4.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.71	−19 19.4	2.129	2.841	16.0	21.6
3 2	13 3.89	−19 55.5	2.041	2.853	13.5	21.4
3 12	12 56.75	−20 13.6	1.972	2.865	10.6	21.2
3 22	12 47.82	−20 12.2	1.928	2.876	7.5	21.1
4 1	12 37.95	−19 51.8	1.910	2.886	5.3	20.9
4 11	12 28.18	−19 16.1	1.921	2.896	5.6	21.0
4 21	12 19.47	−18 30.4	1.960	2.906	8.1	21.1
5 1	12 12.61	−17 41.7	2.024	2.915	11.1	21.3

438416 2006 VZ_{52} 3 31.1 179.°87 0.°5/30.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.94	− 3 51.4	2.669	3.445	11.6	21.5
3 2	12 58.77	− 3 37.6	2.574	3.445	9.1	21.4
3 12	12 52.93	− 3 15.7	2.504	3.446	6.2	21.2
3 22	12 45.86	− 2 48.2	2.461	3.446	3.0	20.9
4 1	12 38.15	− 2 18.2	2.447	3.446	0.7	20.8
4 11	12 30.50	− 1 49.7	2.463	3.445	3.9	21.0
4 21	12 23.58	− 1 26.2	2.508	3.445	7.1	21.2
5 1	12 17.95	− 1 10.6	2.579	3.444	10.0	21.4

22332 1992 DD_8 3 31.1 210.°70 2.°1/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.53	−13 8.4	2.280	3.030	14.1	19.1
3 2	12 58.89	−12 58.6	2.178	3.026	11.5	18.9
3 12	12 53.27	−12 32.8	2.098	3.022	8.4	18.7
3 22	12 46.11	−11 52.2	2.044	3.017	4.9	18.5
4 1	12 38.12	−10 59.7	2.017	3.012	2.2	18.3
4 11	12 30.15	−10 0.4	2.020	3.007	4.0	18.4
4 21	12 23.02	− 9 0.2	2.051	3.002	7.5	18.6
5 1	12 17.41	− 8 4.9	2.107	2.996	10.8	18.8

455637 2004 XC_{15} 3 31.1 137.°24 1.°1/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.08	−10 12.3	1.998	2.758	15.5	22.4
3 2	13 3.31	− 9 53.3	1.916	2.773	12.4	22.2
3 12	12 56.27	− 9 18.2	1.856	2.788	8.7	22.0
3 22	12 47.54	− 8 29.6	1.822	2.801	4.6	21.7
4 1	12 38.00	− 7 31.7	1.816	2.814	1.1	21.5
4 11	12 28.67	− 6 31.0	1.840	2.826	4.4	21.8
4 21	12 20.47	− 5 33.9	1.892	2.838	8.4	22.0
5 1	12 14.12	− 4 45.8	1.969	2.848	11.9	22.3

431918 2008 TB_{66} 3 31.1 185.°17 0.°4/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.97	− 6 8.1	2.191	2.972	13.6	22.0
3 2	12 58.43	− 5 35.6	2.099	2.972	10.8	21.8
3 12	12 52.92	− 4 50.2	2.030	2.972	7.3	21.5
3 22	12 45.93	− 3 55.2	1.987	2.972	3.5	21.3
4 1	12 38.16	− 2 55.5	1.972	2.971	0.6	21.1
4 11	12 30.47	− 1 57.1	1.987	2.970	4.5	21.4
4 21	12 23.65	− 1 5.5	2.029	2.969	8.3	21.6
5 1	12 18.37	− 0 25.1	2.096	2.968	11.6	21.8

243020 2006 UU_{192} 3 31.1 220.°49 3.°2/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.08	−18 50.0	2.993	3.698	12.0	21.5
3 2	12 57.32	−18 43.2	2.877	3.689	10.0	21.4
3 12	12 51.98	−18 21.4	2.783	3.679	7.7	21.2
3 22	12 45.43	−17 44.5	2.714	3.668	5.3	21.0
4 1	12 38.21	−16 54.3	2.675	3.657	3.4	20.9
4 11	12 30.98	−15 54.3	2.665	3.645	3.8	20.9
4 21	12 24.36	−14 49.0	2.684	3.633	6.1	21.0
5 1	12 18.91	−13 43.5	2.731	3.621	8.6	21.2

200629 2001 SK_{160} 3 31.1 174.°66 1.°2/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.60	−10 51.0	1.756	2.528	16.8	20.8
3 2	13 1.85	−10 24.6	1.667	2.531	13.6	20.6
3 12	12 55.57	− 9 38.7	1.598	2.533	9.6	20.4
3 22	12 47.32	− 8 35.5	1.553	2.534	5.1	20.1
4 1	12 38.02	− 7 20.5	1.536	2.535	1.2	19.8
4 11	12 28.84	− 6 1.6	1.548	2.535	4.9	20.1
4 21	12 20.82	− 4 47.1	1.586	2.535	9.5	20.3
5 1	12 14.82	− 3 44.2	1.648	2.534	13.5	20.6

240291 2003 EO_{52} 3 31.1 343.°20 1.°4/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 13.03	− 5 34.3	2.082	2.846	14.8	19.5
3 2	13 7.34	− 6 25.8	1.982	2.841	11.9	19.3
3 12	12 59.19	− 7 10.5	1.904	2.837	8.4	19.0
3 22	12 49.08	− 7 48.4	1.853	2.833	4.5	18.8
4 1	12 37.85	− 8 20.2	1.832	2.830	1.4	18.6
4 11	12 26.60	− 8 47.5	1.841	2.827	4.5	18.8
4 21	12 16.37	− 9 12.8	1.879	2.824	8.5	19.0
5 1	12 8.02	− 9 38.8	1.943	2.822	12.1	19.2

301467 2009 DV_{125} 3 31.1 27.°99 0.°5/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.47	− 5 51.4	1.998	2.791	14.4	20.4
3 2	12 56.62	− 5 17.0	1.916	2.797	11.3	20.2
3 12	12 51.75	− 4 29.1	1.857	2.802	7.7	20.0
3 22	12 45.36	− 3 31.6	1.823	2.808	3.6	19.8
4 1	12 38.23	− 2 29.8	1.816	2.815	0.8	19.6
4 11	12 31.23	− 1 30.4	1.838	2.822	4.8	19.9
4 21	12 25.19	− 0 39.2	1.887	2.829	8.7	20.1
5 1	12 20.76	− 0 0.6	1.959	2.836	12.1	20.4

460438 2014 SR_{166} 3 31.1 165.°61 2.°4/ 2.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.24	−13 49.8	1.960	2.713	16.0	22.1
3 2	13 1.31	−13 36.7	1.868	2.717	13.0	21.9
3 12	12 55.06	−13 4.7	1.797	2.721	9.5	21.7
3 22	12 47.03	−12 14.8	1.751	2.724	5.6	21.4
4 1	12 38.06	−11 10.9	1.732	2.727	2.5	21.2
4 11	12 29.19	− 9 59.3	1.742	2.729	4.5	21.4
4 21	12 21.39	− 8 47.4	1.779	2.731	8.4	21.6
5 1	12 15.42	− 7 42.4	1.842	2.732	12.1	21.8

340402 2006 EV_{48} 3 31.1 285.°91 0.°7/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.38	− 6 45.6	1.996	2.775	14.9	21.1
3 2	13 1.59	− 6 52.0	1.885	2.754	12.0	20.9
3 12	12 55.42	− 6 46.6	1.795	2.734	8.4	20.6
3 22	12 47.31	− 6 30.8	1.730	2.713	4.4	20.3
4 1	12 38.02	− 6 7.7	1.693	2.692	0.7	20.0
4 11	12 28.57	− 5 41.8	1.684	2.671	4.7	20.3
4 21	12 19.99	− 5 18.1	1.702	2.650	9.1	20.5
5 1	12 13.16	− 5 1.5	1.745	2.629	13.0	20.7

298976 2004 VB_{90} 3 31.1 118.°58 0.°8/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.12	− 8 44.6	1.763	2.538	16.7	22.1
3 2	13 3.62	− 8 28.3	1.687	2.554	13.3	21.9
3 12	12 56.62	− 7 55.7	1.633	2.570	9.2	21.7
3 22	12 47.76	− 7 9.5	1.603	2.585	4.7	21.5
4 1	12 38.01	− 6 15.0	1.601	2.600	0.8	21.2
4 11	12 28.52	− 5 18.9	1.627	2.614	4.9	21.6
4 21	12 20.31	− 4 28.1	1.681	2.627	9.2	21.8
5 1	12 14.16	− 3 48.0	1.759	2.640	13.0	22.1

519291 2011 BT_{168} 3 31.1 84.°29 1.°0/ 1.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.17	− 8 57.2	1.824	2.604	16.0	22.1
3 2	13 0.54	− 8 47.4	1.742	2.612	12.8	21.8
3 12	12 54.55	− 8 22.0	1.682	2.620	9.0	21.6
3 22	12 46.78	− 7 43.2	1.646	2.627	4.7	21.4
4 1	12 38.11	− 6 55.5	1.637	2.635	1.0	21.1
4 11	12 29.59	− 6 5.2	1.656	2.643	4.7	21.4
4 21	12 22.21	− 5 18.6	1.701	2.651	8.9	21.7
5 1	12 16.72	− 4 41.3	1.771	2.659	12.6	21.9

241861 2001 TX_{178} 3 31.1 195.°01 2.°6/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.60	−16 5.2	2.596	3.327	13.0	21.0
3 2	12 57.13	−15 52.3	2.493	3.326	10.7	20.9
3 12	12 51.93	−15 23.5	2.412	3.324	8.0	20.7
3 22	12 45.43	−14 39.6	2.357	3.322	5.1	20.5
4 1	12 38.24	−13 43.0	2.330	3.320	2.8	20.3
4 11	12 31.09	−12 38.4	2.332	3.317	3.7	20.4
4 21	12 24.67	−11 31.0	2.363	3.315	6.6	20.6
5 1	12 19.56	−10 26.5	2.421	3.312	9.5	20.7

123363 2000 WO_{30} 3 31.1 99.°16 0.°7/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.81	−10 5.2	1.990	2.764	15.1	20.1
3 2	12 58.45	− 9 27.6	1.909	2.776	12.0	19.9
3 12	12 52.98	− 8 32.9	1.850	2.787	8.4	19.7
3 22	12 45.96	− 7 24.5	1.816	2.798	4.3	19.5
4 1	12 38.19	− 6 7.7	1.810	2.809	0.7	19.3
4 11	12 30.60	− 4 49.9	1.833	2.820	4.4	19.6
4 21	12 24.03	− 3 38.0	1.884	2.831	8.3	19.8
5 1	12 19.14	− 2 37.8	1.959	2.841	11.8	20.0

299768 2006 SO_{24} 3 31.1 78.°37 3.°4/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.53	−17 16.5	2.324	3.056	14.3	20.2
3 2	12 57.31	−17 14.7	2.227	3.058	11.9	20.0
3 12	12 52.17	−16 55.2	2.150	3.059	9.0	19.8
3 22	12 45.58	−16 18.5	2.099	3.060	5.9	19.6
4 1	12 38.23	−15 26.8	2.074	3.061	3.6	19.5
4 11	12 30.93	−14 24.7	2.079	3.063	4.3	19.5
4 21	12 24.47	−13 18.4	2.111	3.064	7.2	19.7
5 1	12 19.49	−12 13.9	2.169	3.065	10.2	19.9

425882 2011 FL_{30} 3 31.1 357.°02 1.°5/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.12	− 9 28.3	1.639	2.428	17.2	21.2
3 2	12 59.32	− 9 30.0	1.552	2.426	13.8	21.0
3 12	12 53.96	− 9 14.7	1.486	2.425	9.8	20.7
3 22	12 46.59	− 8 44.1	1.443	2.424	5.3	20.5
4 1	12 38.12	− 8 2.2	1.425	2.423	1.5	20.2
4 11	12 29.73	− 7 15.4	1.435	2.423	5.0	20.4
4 21	12 22.51	− 6 30.9	1.470	2.424	9.6	20.7
5 1	12 17.33	− 5 55.0	1.528	2.425	13.7	20.9

291900 2006 QU_4 3 31.1 90.°13 1.°9/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.14	−11 45.7	2.601	3.341	12.8	21.3
3 2	13 1.18	−11 54.0	2.525	3.367	10.3	21.2
3 12	12 54.50	−11 50.3	2.472	3.393	7.4	21.1
3 22	12 46.60	−11 35.7	2.445	3.418	4.3	20.9
4 1	12 38.14	−11 12.3	2.448	3.443	2.0	20.8
4 11	12 29.89	−10 43.9	2.482	3.467	3.5	20.9
4 21	12 22.51	−10 14.3	2.544	3.491	6.4	21.1
5 1	12 16.55	− 9 47.4	2.633	3.515	9.2	21.3

500241 2012 JT_{28} 3 31.1 216.°45 7.°6/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.27	−34 37.2	2.754	3.348	15.0	21.9
3 2	13 1.05	−34 47.1	2.634	3.338	13.5	21.7
3 12	12 54.77	−34 33.8	2.530	3.327	11.7	21.5
3 22	12 46.88	−33 54.4	2.447	3.315	9.8	21.4
4 1	12 38.10	−32 48.0	2.389	3.303	8.2	21.3
4 11	12 29.32	−31 16.9	2.358	3.290	7.6	21.2
4 21	12 21.38	−29 26.7	2.355	3.276	8.3	21.2
5 1	12 15.02	−27 25.2	2.379	3.261	10.1	21.3

70928 1999 VS_{211} 3 31.1 272.°59 1.°2/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.59	−10 15.3	2.002	2.775	15.0	20.4
3 2	12 58.41	− 9 57.9	1.907	2.772	12.1	20.1
3 12	12 53.08	− 9 24.1	1.834	2.769	8.6	19.9
3 22	12 46.08	− 8 36.2	1.786	2.766	4.6	19.7
4 1	12 38.18	− 7 38.2	1.765	2.763	1.2	19.4
4 11	12 30.33	− 6 36.4	1.773	2.760	4.4	19.6
4 21	12 23.43	− 5 37.2	1.807	2.758	8.4	19.9
5 1	12 18.21	− 4 46.8	1.867	2.755	12.1	20.1

488539 2001 SJ_{198} 3 31.1 133.°62 0.°7/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.65	− 5 10.9	1.602	2.396	17.3	22.0
3 2	13 3.57	− 4 46.2	1.524	2.405	13.6	21.8
3 12	12 56.78	− 4 6.5	1.467	2.413	9.3	21.6
3 22	12 47.92	− 3 15.6	1.434	2.420	4.5	21.3
4 1	12 38.01	− 2 20.0	1.429	2.427	1.0	21.1
4 11	12 28.32	− 1 27.3	1.451	2.434	5.8	21.4
4 21	12 19.97	− 0 44.3	1.498	2.441	10.5	21.7
5 1	12 13.84	− 0 16.2	1.569	2.446	14.5	21.9

507820 2014 DL_{117} 3 31.1 317.°07 3.°3/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.14	+ 3 27.4	2.205	3.016	12.6	21.0
3 2	12 57.02	+ 4 13.4	2.115	3.007	9.8	20.8
3 12	12 51.99	+ 5 5.7	2.048	2.998	6.7	20.5
3 22	12 45.51	+ 5 59.5	2.007	2.989	4.0	20.4
4 1	12 38.25	+ 6 48.9	1.995	2.981	3.8	20.3
4 11	12 31.04	+ 7 28.1	2.010	2.973	6.5	20.5
4 21	12 24.66	+ 7 53.2	2.052	2.965	9.8	20.7
5 1	12 19.76	+ 8 1.8	2.117	2.957	12.8	20.8

489511 2007 PM_{21} 3 31.1 225.°39 13.°2/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 17.27	−26 16.0	1.347	2.051	24.1	21.6
3 2	13 13.07	−28 37.8	1.258	2.047	21.6	21.4
3 12	13 4.68	−30 39.3	1.185	2.042	18.6	21.2
3 22	12 52.43	−32 10.0	1.130	2.037	15.6	21.0
4 1	12 37.52	−32 59.9	1.097	2.032	13.6	20.8
4 11	12 22.00	−33 5.6	1.087	2.027	13.4	20.8
4 21	12 8.11	−32 32.2	1.098	2.021	15.4	20.9
5 1	11 57.68	−31 32.4	1.130	2.015	18.4	21.0

79248 1994 TJ 3 31.1 206.°39 1.°5/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.41	− 9 39.5	1.932	2.700	15.7	19.4
3 2	13 2.32	− 9 41.2	1.836	2.697	12.6	19.2
3 12	12 55.84	− 9 28.0	1.761	2.694	9.0	19.0
3 22	12 47.47	− 9 1.2	1.711	2.690	4.9	18.7
4 1	12 38.06	− 8 24.2	1.689	2.686	1.5	18.5
4 11	12 28.66	− 7 42.2	1.695	2.682	4.6	18.7
4 21	12 20.30	− 7 1.2	1.728	2.677	8.8	18.9
5 1	12 13.81	− 6 26.9	1.786	2.672	12.6	19.1

365873 2011 UT_{295} 3 31.1 62.°25 0.°3/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.91	− 7 44.9	1.389	2.191	19.1	21.2
3 2	13 1.72	− 7 23.7	1.322	2.206	15.1	21.0
3 12	12 55.63	− 6 43.4	1.275	2.221	10.4	20.7
3 22	12 47.37	− 5 47.9	1.251	2.236	5.1	20.5
4 1	12 38.08	− 4 44.2	1.252	2.251	0.5	20.1
4 11	12 29.12	− 3 41.4	1.280	2.267	5.8	20.6
4 21	12 21.69	− 2 47.6	1.332	2.283	10.7	20.9
5 1	12 16.64	− 2 9.1	1.406	2.298	15.0	21.2

32993 1997 AX_6 3 31.1 113.°66 4.°5/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.72	+ 7 5.3	2.410	3.222	11.6	19.2
3 2	12 56.43	+ 8 23.4	2.337	3.228	9.0	19.0
3 12	12 51.41	+ 9 45.4	2.289	3.234	6.4	18.8
3 22	12 45.16	+11 5.2	2.268	3.240	4.6	18.7
4 1	12 38.30	+12 16.2	2.276	3.245	5.1	18.8
4 11	12 31.57	+13 12.8	2.312	3.251	7.3	18.9
4 21	12 25.65	+13 51.6	2.375	3.256	10.0	19.1
5 1	12 21.08	+14 11.2	2.460	3.262	12.4	19.3

430229 2013 VS_{18} 3 31.1 157.°24 4.°2/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.96	+ 7 30.9	2.570	3.370	11.3	21.8
3 2	12 59.58	+ 8 34.0	2.494	3.378	8.8	21.6
3 12	12 53.48	+ 9 39.8	2.443	3.386	6.3	21.5
3 22	12 46.15	+10 43.1	2.421	3.392	4.4	21.4
4 1	12 38.23	+11 38.2	2.428	3.399	4.7	21.4
4 11	12 30.46	+12 20.3	2.464	3.404	6.8	21.5
4 21	12 23.50	+12 46.6	2.527	3.409	9.4	21.7
5 1	12 17.91	+12 55.8	2.614	3.414	11.8	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
510560	2012 PP_7		3 31.1	259.°84	6.°2/ 6.5	17
	h m	° ′			°	m
2 21	13 4.64	−24 14.3	2.365	3.048	15.3	22.0
3 2	13 0.88	−24 43.7	2.241	3.026	13.3	21.8
3 12	12 54.90	−24 53.9	2.136	3.004	11.0	21.6
3 22	12 47.09	−24 42.4	2.054	2.981	8.5	21.4
4 1	12 38.12	−24 8.5	1.998	2.958	6.5	21.3
4 11	12 28.96	−23 14.4	1.970	2.935	6.4	21.2
4 21	12 20.54	−22 5.4	1.968	2.911	8.4	21.3
5 1	12 13.72	−20 48.7	1.993	2.886	11.2	21.4
255607	2006 PR_{13}		3 31.1	212.°16	0.°1/31.1	16
2 21	13 4.47	− 7 51.7	2.086	2.860	14.5	22.4
3 2	13 0.61	− 7 14.8	1.985	2.853	11.5	22.2
3 12	12 54.58	− 6 22.3	1.906	2.845	8.0	21.9
3 22	12 46.84	− 5 17.2	1.853	2.837	3.9	21.7
4 1	12 38.16	− 4 4.5	1.829	2.828	0.4	21.4
4 11	12 29.49	− 2 51.3	1.834	2.819	4.7	21.7
4 21	12 21.73	− 1 44.2	1.867	2.808	8.8	21.9
5 1	12 15.64	− 0 49.1	1.926	2.797	12.5	22.1
412550	2014 NL_{25}		3 31.1	307.°83	5.°0/27.3	17
2 21	12 59.19	+ 0 24.3	1.170	2.014	19.3	20.2
3 2	12 58.33	+ 1 33.4	1.072	1.984	15.3	19.9
3 12	12 54.19	+ 3 3.9	0.994	1.953	10.6	19.5
3 22	12 47.12	+ 4 48.3	0.937	1.923	6.0	19.1
4 1	12 38.10	+ 6 33.8	0.903	1.893	5.9	19.0
4 11	12 28.71	+ 8 5.0	0.892	1.864	10.9	19.2
4 21	12 20.61	+ 9 9.4	0.903	1.836	16.7	19.4
5 1	12 15.21	+ 9 39.5	0.930	1.808	22.0	19.6
278852	2008 TM_{16}		3 31.1	160.°68	4.°4/25.9	18
2 21	13 4.35	+ 8 2.5	2.464	3.267	11.7	21.3
3 2	12 59.97	+ 8 59.0	2.387	3.272	9.2	21.2
3 12	12 53.80	+ 9 57.9	2.335	3.278	6.5	21.0
3 22	12 46.32	+10 53.9	2.311	3.282	4.6	20.9
4 1	12 38.22	+11 41.1	2.315	3.287	4.9	20.9
4 11	12 30.27	+12 15.0	2.349	3.290	7.1	21.1
4 21	12 23.17	+12 32.7	2.409	3.294	9.7	21.2
5 1	12 17.50	+12 33.4	2.492	3.297	12.2	21.4
400393	2008 AG_{62}		3 31.1	158.°28	2.°9/ 2.9	18
2 21	13 6.13	−14 33.4	1.971	2.718	16.1	21.7
3 2	13 2.02	−14 34.2	1.880	2.723	13.2	21.5
3 12	12 55.57	−14 16.6	1.809	2.728	9.8	21.3
3 22	12 47.32	−13 41.1	1.763	2.733	6.0	21.1
4 1	12 38.12	−12 50.7	1.744	2.737	3.0	20.9
4 11	12 29.01	−11 50.9	1.754	2.740	4.6	21.0
4 21	12 20.97	−10 48.7	1.791	2.743	8.3	21.2
5 1	12 14.79	− 9 50.9	1.854	2.746	11.9	21.5
244778	2003 SA_{167}		3 31.1	150.°54	0.°1/31.1	18
2 21	13 6.22	− 7 14.1	2.069	2.842	14.6	21.8
3 2	13 1.82	− 6 40.8	1.984	2.852	11.6	21.6
3 12	12 55.26	− 5 53.3	1.922	2.861	7.9	21.4
3 22	12 47.10	− 4 55.0	1.886	2.870	3.9	21.1
4 1	12 38.14	− 3 51.0	1.879	2.878	0.4	20.9
4 11	12 29.35	− 2 47.8	1.901	2.885	4.6	21.2
4 21	12 21.59	− 1 51.6	1.951	2.891	8.6	21.4
5 1	12 15.56	− 1 7.1	2.027	2.897	12.0	21.7
143565	2003 EW_{48}		3 31.1	332.°93	0.°8/30.3	17
2 21	13 0.03	− 3 54.7	1.950	2.749	14.4	20.1
3 2	12 57.28	− 3 35.1	1.854	2.739	11.4	19.8
3 12	12 52.37	− 3 3.8	1.780	2.728	7.8	19.6
3 22	12 45.78	− 2 24.0	1.732	2.718	3.7	19.3
4 1	12 38.27	− 1 40.7	1.711	2.709	1.1	19.1
4 11	12 30.76	− 0 59.7	1.717	2.700	5.1	19.4
4 21	12 24.17	− 0 26.6	1.749	2.692	9.2	19.6
5 1	12 19.24	− 0 5.5	1.806	2.684	12.9	19.8
211889	2004 JS_{16}		3 31.1	17.°74	3.°0/28.3	17
2 21	13 2.05	+ 2 17.2	1.976	2.786	13.9	20.0
3 2	12 58.65	+ 2 50.4	1.897	2.789	10.8	19.8
3 12	12 53.16	+ 3 30.3	1.842	2.792	7.3	19.6
3 22	12 46.09	+ 4 12.1	1.812	2.796	4.0	19.4
4 1	12 38.25	+ 4 49.9	1.809	2.800	3.3	19.4
4 11	12 30.56	+ 5 18.2	1.835	2.804	6.4	19.5
4 21	12 23.87	+ 5 33.3	1.886	2.809	9.9	19.8
5 1	12 18.86	+ 5 32.8	1.961	2.814	13.1	20.0
455446	2003 SA_{193}		3 31.1	254.°99	3.°9/ 3.3	17
2 21	13 6.68	−15 18.5	1.825	2.573	17.1	21.4
3 2	13 3.00	−15 39.6	1.715	2.557	14.3	21.1
3 12	12 56.63	−15 42.0	1.624	2.540	10.9	20.9
3 22	12 48.03	−15 24.7	1.557	2.523	7.1	20.6
4 1	12 38.04	−14 48.7	1.516	2.505	4.1	20.4
4 11	12 27.84	−13 58.5	1.502	2.487	5.5	20.4
4 21	12 18.64	−13 1.0	1.515	2.469	9.4	20.6
5 1	12 11.46	−12 4.3	1.553	2.450	13.5	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
135447	2001 VY_{15}		3 31.1	152.°06	6.°6/21.2	18
	h m	° ′			°	m
2 21	13 3.33	+19 36.4	2.891	3.690	10.2	20.7
3 2	12 58.93	+20 50.4	2.831	3.698	8.5	20.6
3 12	12 52.97	+21 59.6	2.796	3.706	7.1	20.5
3 22	12 45.88	+22 58.2	2.789	3.713	6.6	20.5
4 1	12 38.28	+23 41.3	2.809	3.720	7.3	20.5
4 11	12 30.84	+24 5.4	2.856	3.726	8.7	20.6
4 21	12 24.18	+24 9.6	2.928	3.732	10.5	20.8
5 1	12 18.80	+23 54.6	3.021	3.737	12.1	20.9
185543	2007 XY_{39}		3 31.1	15.°70	6.°6/ 4.8	18
2 21	13 3.77	−17 54.6	1.331	2.100	21.4	19.6
3 2	13 1.39	−18 54.9	1.254	2.104	18.1	19.3
3 12	12 55.83	−19 31.6	1.195	2.108	14.1	19.1
3 22	12 47.68	−19 41.3	1.156	2.114	10.0	18.9
4 1	12 38.09	−19 23.9	1.139	2.120	7.0	18.7
4 11	12 28.59	−18 44.3	1.146	2.127	7.5	18.8
4 21	12 20.62	−17 51.0	1.177	2.135	10.9	19.0
5 1	12 15.28	−16 54.6	1.229	2.144	14.9	19.2
411246	2010 RM_{73}		3 31.1	151.°61	1.°2/29.9	15
2 21	13 6.98	− 3 19.8	2.089	2.872	14.2	22.8
3 2	13 2.37	− 2 47.8	2.006	2.881	11.1	22.6
3 12	12 55.62	− 2 4.8	1.945	2.890	7.5	22.4
3 22	12 47.27	− 1 14.9	1.912	2.898	3.6	22.2
4 1	12 38.14	− 0 23.3	1.907	2.905	1.5	22.0
4 11	12 29.18	+ 0 24.1	1.932	2.911	5.1	22.3
4 21	12 21.24	+ 1 2.3	1.985	2.917	8.9	22.5
5 1	12 15.03	+ 1 27.7	2.062	2.922	12.3	22.7
345051	2005 GD_{72}		3 31.1	267.°68	1.°0/29.9	17
2 21	13 0.19	− 4 48.8	2.238	3.027	13.2	21.4
3 2	12 57.12	− 4 4.0	2.135	3.014	10.4	21.2
3 12	12 52.12	− 3 6.3	2.055	3.000	7.0	21.0
3 22	12 45.63	− 1 59.1	2.001	2.987	3.3	20.7
4 1	12 38.30	− 0 47.9	1.975	2.973	1.3	20.5
4 11	12 30.96	+ 0 20.9	1.979	2.959	4.9	20.8
4 21	12 24.40	+ 1 21.2	2.011	2.946	8.7	21.0
5 1	12 19.30	+ 2 8.3	2.067	2.932	12.1	21.1
446876	2002 AB_{30}		3 31.1	82.°35	4.°8/27.0	18
2 21	13 9.66	+ 3 7.0	1.524	2.337	17.1	21.3
3 2	13 4.81	+ 4 30.7	1.479	2.372	13.2	21.1
3 12	12 57.32	+ 6 2.1	1.456	2.406	9.0	20.9
3 22	12 48.04	+ 7 31.6	1.459	2.439	5.4	20.8
4 1	12 38.10	+ 8 49.5	1.489	2.472	5.4	20.9
4 11	12 28.75	+ 9 47.9	1.546	2.504	8.6	21.1
4 21	12 20.99	+10 22.8	1.629	2.535	12.3	21.4
5 1	12 15.51	+10 33.6	1.733	2.566	15.5	21.7
246249	2007 TV_3		3 31.1	114.°60	5.°3/25.0	18
2 21	13 3.24	+10 20.4	2.313	3.123	12.1	20.7
3 2	12 59.21	+11 22.4	2.245	3.132	9.5	20.6
3 12	12 53.32	+12 25.2	2.201	3.141	7.0	20.4
3 22	12 46.11	+13 22.7	2.185	3.150	5.4	20.3
4 1	12 38.27	+14 8.7	2.196	3.159	5.8	20.4
4 11	12 30.63	+14 38.6	2.236	3.168	7.9	20.5
4 21	12 23.91	+14 50.0	2.301	3.176	10.5	20.7
5 1	12 18.69	+14 42.7	2.388	3.184	12.9	20.9
236146	2005 UA_{109}		3 31.1	180.°72	3.°3/28.1	18
2 21	13 7.16	+ 0 17.0	1.747	2.550	15.7	21.2
3 2	13 3.03	+ 1 19.0	1.664	2.552	12.3	21.0
3 12	12 56.36	+ 2 32.9	1.604	2.553	8.3	20.7
3 22	12 47.75	+ 3 52.1	1.569	2.553	4.4	20.5
4 1	12 38.11	+ 5 8.5	1.562	2.553	3.8	20.5
4 11	12 28.62	+ 6 13.3	1.583	2.551	7.4	20.7
4 21	12 20.31	+ 7 0.5	1.631	2.549	11.5	20.9
5 1	12 14.04	+ 7 26.7	1.701	2.546	15.1	21.1
176070	2000 WR_{70}		3 31.1	175.°42	0.°5/31.7	18
2 21	13 3.23	− 7 4.2	2.742	3.505	11.7	20.6
3 2	12 59.00	− 6 59.7	2.645	3.506	9.3	20.5
3 12	12 53.13	− 6 45.8	2.572	3.507	6.4	20.3
3 22	12 46.03	− 6 24.2	2.526	3.508	3.3	20.1
4 1	12 38.28	− 5 57.7	2.509	3.508	0.5	19.8
4 11	12 30.60	− 5 29.8	2.523	3.508	3.5	20.1
4 21	12 23.62	− 5 4.1	2.565	3.509	6.6	20.3
5 1	12 17.89	− 4 44.0	2.634	3.508	9.5	20.5
344198	2001 PU_{34}		3 31.1	204.°79	3.°4/ 4.4	17
2 21	13 1.58	−18 16.4	2.626	3.343	13.2	21.5
3 2	12 57.95	−18 15.3	2.520	3.339	11.0	21.3
3 12	12 52.55	−17 57.9	2.435	3.336	8.5	21.1
3 22	12 45.79	−17 24.4	2.375	3.332	5.7	20.9
4 1	12 38.31	−16 36.3	2.344	3.327	3.6	20.8
4 11	12 30.84	−15 37.8	2.341	3.323	4.1	20.8
4 21	12 24.09	−14 33.9	2.367	3.318	6.6	21.0
5 1	12 18.68	−13 30.4	2.419	3.312	9.5	21.1

240704 2005 GY_{54} 3 31.1 97.°25 0.°3/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.18	− 7 42.1	2.171	2.948	13.9	21.6
3 2	12 58.58	− 7 19.4	2.087	2.956	11.0	21.4
3 12	12 53.02	− 6 43.5	2.025	2.965	7.6	21.2
3 22	12 46.02	− 5 57.2	1.990	2.973	3.8	21.0
4 1	12 38.29	− 5 5.0	1.982	2.981	0.4	20.7
4 11	12 30.70	− 4 12.4	2.003	2.989	4.2	21.1
4 21	12 24.03	− 3 24.7	2.052	2.997	7.9	21.3
5 1	12 18.92	− 2 46.6	2.126	3.005	11.2	21.5

457580 2008 YV_{162} 3 31.1 167.°07 1.°3/ 1.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.66	−10 15.0	1.896	2.661	16.0	22.7
3 2	13 3.28	−10 1.6	1.807	2.666	12.9	22.5
3 12	12 56.47	− 9 31.4	1.738	2.671	9.1	22.2
3 22	12 47.79	− 8 46.4	1.695	2.674	4.9	22.0
4 1	12 38.12	− 7 50.9	1.679	2.677	1.3	21.7
4 11	12 28.57	− 6 51.3	1.692	2.679	4.6	22.0
4 21	12 20.13	− 5 54.5	1.733	2.681	8.9	22.2
5 1	12 13.63	− 5 6.5	1.799	2.682	12.7	22.5

4716 Urey 3 31.1 53.°26 0.°9/30.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.66	− 2 11.5	2.143	2.933	13.6	16.4
3 2	13 0.47	− 2 5.2	2.066	2.944	10.7	16.2
3 12	12 54.27	− 1 50.6	2.011	2.956	7.2	16.0
3 22	12 46.61	− 1 31.0	1.982	2.968	3.4	15.8
4 1	12 38.25	− 1 10.2	1.982	2.980	1.2	15.6
4 11	12 30.07	− 0 52.4	2.011	2.992	4.7	15.9
4 21	12 22.87	− 0 41.4	2.067	3.005	8.3	16.1
5 1	12 17.30	− 0 39.8	2.148	3.017	11.5	16.4

38961 2000 TG_1 3 31.1 121.°23 0.°8/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.76	− 9 9.6	2.200	2.964	14.1	20.0
3 2	13 0.54	− 8 52.1	2.117	2.978	11.2	19.8
3 12	12 54.32	− 8 20.9	2.058	2.992	7.8	19.6
3 22	12 46.64	− 7 38.4	2.024	3.005	4.1	19.4
4 1	12 38.26	− 6 48.6	2.019	3.018	0.8	19.2
4 11	12 30.04	− 5 56.8	2.043	3.030	4.0	19.4
4 21	12 22.79	− 5 8.6	2.096	3.042	7.7	19.7
5 1	12 17.14	− 4 28.5	2.174	3.053	11.0	19.9

210846 2001 QF_{211} 3 31.1 245.°11 3.°1/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.23	−14 50.1	2.476	3.209	13.5	21.1
3 2	13 0.18	−15 7.6	2.366	3.199	11.2	20.9
3 12	12 54.19	−15 11.3	2.277	3.188	8.4	20.7
3 22	12 46.66	−15 1.0	2.214	3.178	5.4	20.5
4 1	12 38.25	−14 37.9	2.178	3.167	3.2	20.3
4 11	12 29.77	−14 5.4	2.172	3.156	4.2	20.4
4 21	12 22.03	−13 27.8	2.195	3.145	7.1	20.5
5 1	12 15.73	−12 50.2	2.243	3.133	10.2	20.7

507773 2013 YR_{116} 3 31.1 17.°35 8.°0/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.45	−26 51.0	2.203	2.871	16.7	21.2
3 2	13 2.44	−28 2.9	2.106	2.873	14.7	21.0
3 12	12 56.01	−28 55.6	2.029	2.874	12.4	20.9
3 22	12 47.65	−29 25.4	1.973	2.876	10.1	20.7
4 1	12 38.15	−29 30.2	1.942	2.878	8.4	20.6
4 11	12 28.56	−29 11.4	1.936	2.881	8.1	20.6
4 21	12 19.94	−28 33.4	1.956	2.883	9.4	20.7
5 1	12 13.15	−27 43.0	2.001	2.886	11.5	20.8

5163 Vollmayr–Lee 3 31.1 106.°00 0.°5/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.80	− 7 13.4	1.849	2.632	15.7	17.2
3 2	13 0.86	− 6 22.4	1.777	2.652	12.3	17.0
3 12	12 54.66	− 5 15.3	1.728	2.671	8.4	16.8
3 22	12 46.83	− 3 56.9	1.704	2.689	4.0	16.6
4 1	12 38.24	− 2 34.0	1.708	2.707	0.8	16.4
4 11	12 29.94	− 1 14.6	1.742	2.725	5.1	16.7
4 21	12 22.81	− 0 5.8	1.802	2.742	9.2	17.0
5 1	12 17.53	+ 0 47.4	1.887	2.758	12.8	17.2

198225 2004 TR_{182} 3 31.1 104.°72 1.°6/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.57	−10 24.1	2.004	2.770	15.2	20.9
3 2	13 0.69	−10 22.1	1.918	2.778	12.3	20.7
3 12	12 54.60	−10 5.1	1.854	2.786	8.7	20.5
3 22	12 46.85	− 9 34.7	1.815	2.793	4.8	20.2
4 1	12 38.24	− 8 54.3	1.804	2.801	1.6	20.0
4 11	12 29.77	− 8 9.4	1.821	2.808	4.3	20.2
4 21	12 22.33	− 7 25.6	1.865	2.815	8.2	20.5
5 1	12 16.64	− 6 48.3	1.934	2.823	11.7	20.7

306514 1999 VX_{178} 3 31.1 284.°01 1.°7/ 2.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.62	−14 42.6	2.870	3.600	11.9	21.7
3 2	12 57.99	−14 2.5	2.724	3.560	9.8	21.5
3 12	12 52.65	−13 5.4	2.601	3.519	7.2	21.2
3 22	12 45.92	−11 51.9	2.505	3.477	4.3	21.0
4 1	12 38.32	−10 25.0	2.439	3.435	1.7	20.7
4 11	12 30.54	− 8 49.6	2.405	3.392	3.5	20.8
4 21	12 23.26	− 7 11.8	2.401	3.348	6.8	20.9
5 1	12 17.12	− 5 38.1	2.425	3.303	10.0	21.1

322572 2011 YW_{73} 3 31.1 29.°61 5.°1/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.40	+ 2 57.9	1.326	2.163	17.9	20.1
3 2	12 59.11	+ 4 10.3	1.264	2.170	13.9	19.9
3 12	12 53.95	+ 5 33.5	1.222	2.178	9.5	19.7
3 22	12 46.63	+ 6 58.3	1.204	2.187	5.8	19.5
4 1	12 38.27	+ 8 13.4	1.210	2.196	5.8	19.5
4 11	12 30.22	+ 9 9.2	1.241	2.206	9.5	19.7
4 21	12 23.65	+ 9 40.0	1.296	2.216	13.7	20.0
5 1	12 19.41	+ 9 44.0	1.370	2.227	17.4	20.2

248669 2006 JQ_{25} 3 31.1 260.°76 3.°3/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.24	+ 1 38.3	1.638	2.448	16.3	20.9
3 2	13 3.47	+ 2 11.5	1.544	2.436	12.8	20.6
3 12	12 56.94	+ 2 54.4	1.472	2.423	8.8	20.4
3 22	12 48.17	+ 3 41.4	1.425	2.409	4.7	20.1
4 1	12 38.11	+ 4 25.5	1.404	2.396	3.7	20.0
4 11	12 28.02	+ 4 59.0	1.410	2.382	7.6	20.2
4 21	12 19.11	+ 5 16.4	1.441	2.368	12.1	20.4
5 1	12 12.37	+ 5 14.7	1.494	2.354	16.1	20.6

461504 2003 HE_{16} 3 31.1 346.°63 8.°3/24.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.55	+13 20.1	1.481	2.315	16.5	20.0
3 2	13 1.48	+14 21.9	1.411	2.309	13.3	19.7
3 12	12 55.56	+15 22.8	1.362	2.303	10.3	19.5
3 22	12 47.44	+16 12.8	1.336	2.299	8.4	19.4
4 1	12 38.19	+16 42.5	1.334	2.294	9.1	19.4
4 11	12 29.16	+16 45.2	1.357	2.291	11.8	19.6
4 21	12 21.54	+16 19.2	1.401	2.288	15.2	19.8
5 1	12 16.23	+15 26.2	1.465	2.287	18.4	20.0

231626 2009 SU_{258} 3 31.1 51.°70 6.°4/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.67	−23 31.3	1.944	2.652	17.5	20.1
3 2	12 59.54	−24 0.9	1.855	2.658	15.0	19.9
3 12	12 54.02	−24 7.4	1.783	2.663	12.2	19.7
3 22	12 46.64	−23 49.1	1.734	2.669	9.2	19.5
4 1	12 38.27	−23 6.4	1.709	2.675	6.8	19.4
4 11	12 29.96	−22 3.5	1.710	2.681	6.7	19.4
4 21	12 22.74	−20 47.7	1.738	2.687	8.8	19.5
5 1	12 17.41	−19 27.6	1.790	2.694	11.7	19.7

521234 2015 HX_{188} 3 31.1 162.°63 2.°8/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.91	−14 28.0	2.556	3.289	13.1	21.5
3 2	12 59.75	−14 42.0	2.458	3.292	10.8	21.3
3 12	12 53.77	−14 42.6	2.381	3.294	8.0	21.1
3 22	12 46.41	−14 29.9	2.331	3.296	5.1	21.0
4 1	12 38.30	−14 5.6	2.308	3.298	2.9	20.8
4 11	12 30.23	−13 33.1	2.315	3.299	3.9	20.9
4 21	12 22.93	−12 56.7	2.351	3.301	6.7	21.1
5 1	12 17.02	−12 21.0	2.413	3.302	9.6	21.2

273050 2006 DR_{157} 3 31.1 144.°22 2.°1/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.49	− 1 8.8	2.101	2.899	13.6	20.8
3 2	12 58.90	− 0 22.1	2.018	2.903	10.6	20.6
3 12	12 53.30	+ 0 34.7	1.958	2.907	7.1	20.4
3 22	12 46.19	+ 1 36.7	1.924	2.910	3.5	20.2
4 1	12 38.32	+ 2 37.9	1.919	2.913	2.5	20.1
4 11	12 30.59	+ 3 32.0	1.943	2.917	5.7	20.3
4 21	12 23.79	+ 4 14.0	1.994	2.919	9.3	20.5
5 1	12 18.58	+ 4 40.7	2.068	2.922	12.5	20.7

431030 2006 AE_{46} 3 31.1 303.°62 9.°4/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.35	−27 53.5	1.857	2.541	18.9	20.7
3 2	13 0.67	−29 1.3	1.748	2.524	16.9	20.5
3 12	12 55.24	−29 46.6	1.655	2.507	14.4	20.3
3 22	12 47.47	−30 4.2	1.583	2.490	11.9	20.1
4 1	12 38.18	−29 50.7	1.533	2.473	10.0	19.9
4 11	12 28.61	−29 7.2	1.507	2.457	9.5	19.9
4 21	12 20.04	−27 58.9	1.505	2.440	11.0	19.9
5 1	12 13.59	−26 35.3	1.526	2.424	13.6	20.0

21661 Olgagermani 3 31.1 234.°39 1.°3/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.94	− 4 33.0	2.040	2.825	14.4	19.5
3 2	13 1.12	− 3 46.0	1.934	2.810	11.4	19.3
3 12	12 55.04	− 2 44.5	1.850	2.795	7.8	19.0
3 22	12 47.15	− 1 32.3	1.793	2.779	3.7	18.7
4 1	12 38.23	− 0 15.6	1.764	2.762	1.6	18.5
4 11	12 29.23	+ 0 58.1	1.765	2.744	5.6	18.8
4 21	12 21.13	+ 2 2.1	1.793	2.726	9.7	19.0
5 1	12 14.73	+ 2 50.8	1.846	2.707	13.5	19.2

42615 1998 EV_{11} 3 31.1 270.°98 3.°3/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.59	+ 1 31.0	1.618	2.430	16.4	19.2
3 2	13 2.99	+ 2 2.9	1.526	2.418	12.9	18.9
3 12	12 56.62	+ 2 44.6	1.454	2.405	8.8	18.6
3 22	12 48.02	+ 3 30.6	1.408	2.393	4.7	18.3
4 1	12 38.14	+ 4 13.6	1.388	2.380	3.7	18.2
4 11	12 28.25	+ 4 46.2	1.394	2.367	7.6	18.4
4 21	12 19.54	+ 5 2.9	1.426	2.354	12.1	18.7
5 1	12 13.00	+ 5 0.6	1.479	2.341	16.1	18.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
215134	1999 TG_{65}		3 31.1	239.°20	0.°1/31.3	17
	h m	° ′			°	m
2 21	13 0.62	− 6 52.0	2.572	3.344	12.1	21.4
3 2	12 57.14	− 6 30.5	2.472	3.339	9.6	21.2
3 12	12 51.97	− 5 58.0	2.395	3.334	6.6	21.0
3 22	12 45.52	− 5 17.0	2.345	3.329	3.3	20.8
4 1	12 38.39	− 4 30.9	2.324	3.323	0.3	20.5
4 11	12 31.29	− 3 44.4	2.333	3.318	3.8	20.8
4 21	12 24.89	− 3 2.0	2.370	3.312	7.1	21.0
5 1	12 19.78	− 2 27.4	2.432	3.306	10.1	21.2
229586	2006 BN_{145}		3 31.1	93.°98	0.°8/30.3	18
2 21	13 2.92	− 5 27.0	1.977	2.766	14.7	20.7
3 2	12 59.28	− 4 44.1	1.903	2.781	11.5	20.5
3 12	12 53.55	− 3 47.8	1.851	2.796	7.7	20.3
3 22	12 46.30	− 2 42.4	1.824	2.810	3.7	20.1
4 1	12 38.32	− 1 34.1	1.826	2.825	1.1	19.9
4 11	12 30.56	− 0 29.6	1.857	2.839	5.0	20.2
4 21	12 23.85	+ 0 25.1	1.915	2.853	8.9	20.5
5 1	12 18.84	+ 1 5.8	1.997	2.867	12.2	20.7
285140	1995 TM_9		3 31.1	35.°07	1.°0/31.9	18
2 21	13 3.99	− 8 11.5	1.372	2.176	19.2	20.6
3 2	13 1.17	− 8 9.9	1.301	2.184	15.3	20.4
3 12	12 55.41	− 7 49.7	1.249	2.193	10.7	20.2
3 22	12 47.38	− 7 13.7	1.219	2.203	5.5	19.9
4 1	12 38.22	− 6 27.3	1.214	2.213	1.0	19.6
4 11	12 29.29	− 5 38.5	1.235	2.224	5.6	19.9
4 21	12 21.85	− 4 55.2	1.280	2.235	10.6	20.3
5 1	12 16.82	− 4 23.9	1.347	2.246	15.0	20.5
289013	2004 TN_{103}		3 31.1	155.°06	0.°4/31.6	18
2 21	13 7.44	− 8 40.0	2.034	2.800	15.1	22.2
3 2	13 2.86	− 8 10.4	1.947	2.810	12.0	22.0
3 12	12 56.04	− 7 25.4	1.883	2.819	8.3	21.8
3 22	12 47.55	− 6 28.0	1.845	2.827	4.2	21.6
4 1	12 38.21	− 5 23.0	1.835	2.835	0.5	21.3
4 11	12 29.04	− 4 17.3	1.856	2.841	4.5	21.6
4 21	12 20.92	− 3 17.1	1.904	2.847	8.6	21.9
5 1	12 14.61	− 2 27.9	1.978	2.851	12.1	22.1
206169	2002 TH_{250}		3 31.2	120.°77	0.°6/30.4	17
2 21	13 2.61	− 4 58.7	2.587	3.362	12.0	21.5
3 2	12 58.51	− 4 25.0	2.507	3.377	9.4	21.4
3 12	12 52.77	− 3 41.6	2.451	3.393	6.3	21.2
3 22	12 45.85	− 2 51.5	2.422	3.407	3.0	21.0
4 1	12 38.38	− 1 59.1	2.423	3.422	0.8	20.8
4 11	12 31.07	− 1 9.1	2.454	3.436	4.0	21.1
4 21	12 24.55	− 0 25.8	2.514	3.449	7.2	21.3
5 1	12 19.35	+ 0 7.8	2.600	3.463	10.0	21.5
326343	2000 SF_{13}		3 31.2	226.°13	1.°2/29.7	18
2 21	13 3.72	− 3 31.4	2.496	3.275	12.2	22.0
3 2	12 59.67	− 2 47.6	2.388	3.262	9.6	21.8
3 12	12 53.78	− 1 52.8	2.304	3.248	6.5	21.6
3 22	12 46.45	− 0 50.6	2.248	3.233	3.1	21.3
4 1	12 38.31	+ 0 14.2	2.221	3.218	1.5	21.2
4 11	12 30.16	+ 1 16.0	2.225	3.202	4.8	21.4
4 21	12 22.71	+ 2 9.5	2.257	3.185	8.2	21.6
5 1	12 16.64	+ 2 50.8	2.315	3.168	11.4	21.7
415162	2012 FR_{38}		3 31.2	49.°27	3.°7/ 3.2	18
2 21	13 4.61	−14 34.7	1.581	2.348	18.6	21.0
3 2	13 1.43	−14 52.8	1.500	2.354	15.3	20.8
3 12	12 55.51	−14 49.9	1.437	2.361	11.4	20.6
3 22	12 47.44	−14 26.1	1.397	2.367	7.2	20.3
4 1	12 38.22	−13 43.9	1.382	2.374	3.9	20.1
4 11	12 29.15	−12 49.6	1.394	2.381	5.4	20.2
4 21	12 21.37	−11 51.4	1.431	2.388	9.5	20.5
5 1	12 15.82	−10 57.4	1.492	2.396	13.5	20.7
173484	2000 SW_{91}		3 31.2	229.°77	4.°6/ 5.6	18
2 21	13 2.77	−21 9.1	2.662	3.358	13.5	20.6
3 2	12 58.97	−21 30.3	2.551	3.351	11.5	20.5
3 12	12 53.32	−21 35.3	2.462	3.344	9.1	20.3
3 22	12 46.24	−21 23.1	2.396	3.336	6.7	20.1
4 1	12 38.34	−20 54.4	2.358	3.329	4.9	20.0
4 11	12 30.40	−20 11.8	2.348	3.321	5.0	20.0
4 21	12 23.17	−19 19.9	2.367	3.313	6.9	20.1
5 1	12 17.30	−18 24.2	2.411	3.304	9.5	20.2
327877	2007 AC_{18}		3 31.2	64.°18	2.°1/29.4	18
2 21	13 4.56	− 1 48.3	1.629	2.437	16.4	20.8
3 2	13 1.00	− 1 11.8	1.561	2.451	12.8	20.6
3 12	12 54.95	− 0 23.4	1.515	2.465	8.6	20.3
3 22	12 47.04	+ 0 31.4	1.493	2.480	4.2	20.1
4 1	12 38.27	+ 1 25.5	1.498	2.494	2.4	20.0
4 11	12 29.80	+ 2 11.7	1.530	2.508	6.4	20.3
4 21	12 22.61	+ 2 44.4	1.588	2.523	10.5	20.6
5 1	12 17.48	+ 3 0.2	1.668	2.537	14.2	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
242993	2006 ST_{399}		3 31.2	192.°16	2.°6/27.8	18
	h m	° ′			°	m
2 21	12 59.96	+ 0 54.4	2.460	3.260	11.8	20.7
3 2	12 56.65	+ 1 54.4	2.372	3.259	9.1	20.6
3 12	12 51.63	+ 3 2.4	2.309	3.258	6.2	20.4
3 22	12 45.36	+ 4 13.7	2.273	3.257	3.4	20.2
4 1	12 38.43	+ 5 22.5	2.267	3.256	3.0	20.1
4 11	12 31.58	+ 6 23.0	2.290	3.254	5.7	20.3
4 21	12 25.49	+ 7 10.8	2.340	3.253	8.7	20.5
5 1	12 20.72	+ 7 43.2	2.414	3.251	11.5	20.7
62359	2000 SB_{148}		3 31.2	134.°72	0.°0/31.2	18
2 21	13 2.68	− 5 53.4	2.823	3.589	11.3	20.5
3 2	12 58.47	− 5 38.2	2.735	3.599	8.9	20.4
3 12	12 52.71	− 5 14.2	2.671	3.609	6.1	20.2
3 22	12 45.83	− 4 43.6	2.634	3.618	3.0	20.0
4 1	12 38.40	− 4 9.5	2.628	3.627	0.3	19.8
4 11	12 31.07	− 3 35.6	2.652	3.636	3.5	20.1
4 21	12 24.45	− 3 5.5	2.704	3.644	6.5	20.3
5 1	12 19.05	− 2 42.3	2.784	3.652	9.2	20.4
36899	2000 SW_{172}		3 31.2	264.°97	1.°9/29.6	18
2 21	13 6.55	− 1 34.3	1.685	2.488	16.2	18.4
3 2	13 2.92	− 1 9.9	1.586	2.472	12.8	18.1
3 12	12 56.58	− 0 33.4	1.508	2.457	8.8	17.8
3 22	12 48.03	+ 0 10.8	1.454	2.441	4.3	17.5
4 1	12 38.18	+ 0 56.6	1.428	2.424	2.3	17.4
4 11	12 28.23	+ 1 36.8	1.428	2.408	6.6	17.6
4 21	12 19.38	+ 2 5.1	1.455	2.391	11.3	17.8
5 1	12 12.62	+ 2 17.1	1.504	2.374	15.5	18.0
428733	2008 RV_{104}		3 31.2	208.°52	0.°3/31.5	17
2 21	13 7.48	− 5 52.6	2.284	3.053	13.5	21.1
3 2	13 2.76	− 5 55.6	2.184	3.048	10.8	20.9
3 12	12 55.96	− 5 48.6	2.107	3.044	7.5	20.7
3 22	12 47.54	− 5 33.5	2.056	3.039	3.8	20.4
4 1	12 38.23	− 5 13.2	2.034	3.033	0.4	20.1
4 11	12 28.94	− 4 51.7	2.042	3.028	4.2	20.4
4 21	12 20.51	− 4 33.1	2.079	3.021	8.0	20.7
5 1	12 13.67	− 4 21.1	2.141	3.015	11.3	20.8
266325	2007 DF_6		3 31.2	201.°08	0.°9/ 1.1	18
2 21	13 5.75	− 8 49.1	2.322	3.083	13.6	21.5
3 2	13 1.39	− 8 40.4	2.221	3.079	10.9	21.3
3 12	12 55.01	− 8 19.0	2.142	3.075	7.7	21.0
3 22	12 47.08	− 7 46.7	2.089	3.070	4.0	20.8
4 1	12 38.29	− 7 6.7	2.066	3.064	0.9	20.6
4 11	12 29.51	− 6 23.6	2.072	3.058	4.0	20.8
4 21	12 21.58	− 5 42.4	2.106	3.052	7.7	21.0
5 1	12 15.17	− 5 7.9	2.167	3.044	11.1	21.2
366422	2001 UZ_{126}		3 31.2	171.°64	2.°2/28.5	16
2 21	13 5.64	+ 0 54.7	2.642	3.426	11.5	22.4
3 2	13 0.89	+ 1 39.0	2.554	3.431	8.9	22.2
3 12	12 54.42	+ 2 30.0	2.490	3.435	6.0	22.0
3 22	12 46.70	+ 3 23.6	2.455	3.438	3.2	21.8
4 1	12 38.34	+ 4 15.1	2.450	3.441	2.6	21.8
4 11	12 30.08	+ 4 59.7	2.475	3.442	5.2	22.0
4 21	12 22.61	+ 5 33.7	2.530	3.443	8.1	22.2
5 1	12 16.48	+ 5 54.7	2.609	3.443	10.8	22.3
76506	2000 GV_{28}		3 31.2	286.°35	0.°3/31.4	18
2 21	13 2.23	− 7 4.6	2.141	2.920	14.0	19.8
3 2	12 58.77	− 6 49.3	2.047	2.918	11.1	19.6
3 12	12 53.28	− 6 21.3	1.976	2.916	7.7	19.4
3 22	12 46.24	− 5 43.0	1.930	2.913	3.9	19.1
4 1	12 38.37	− 4 58.6	1.912	2.911	0.4	18.8
4 11	12 30.56	− 4 13.3	1.923	2.909	4.3	19.1
4 21	12 23.63	− 3 32.5	1.962	2.907	8.2	19.4
5 1	12 18.27	− 3 0.7	2.025	2.905	11.6	19.6
170783	2004 CT_{105}		3 31.2	99.°56	4.°4/ 5.5	17
2 21	13 2.51	−20 46.8	2.360	3.068	14.7	20.6
3 2	12 58.83	−20 54.4	2.271	3.080	12.4	20.5
3 12	12 53.22	−20 43.0	2.203	3.093	9.7	20.3
3 22	12 46.16	−20 12.5	2.158	3.105	6.9	20.1
4 1	12 38.39	−19 24.6	2.141	3.117	4.7	20.0
4 11	12 30.73	−18 23.7	2.152	3.129	4.9	20.1
4 21	12 23.97	−17 15.6	2.190	3.141	7.1	20.2
5 1	12 18.75	−16 6.9	2.255	3.152	9.9	20.4
360275	2000 SU_{300}		3 31.2	232.°35	1.°2/ 1.3	17
2 21	13 6.70	−10 32.3	2.048	2.808	15.2	21.7
3 2	13 2.59	−10 14.9	1.937	2.793	12.3	21.5
3 12	12 56.13	− 9 40.7	1.847	2.778	8.8	21.2
3 22	12 47.75	− 8 51.3	1.782	2.761	4.8	21.0
4 1	12 38.24	− 7 50.2	1.745	2.744	1.3	20.7
4 11	12 28.61	− 6 43.6	1.738	2.725	4.6	20.9
4 21	12 19.88	− 5 38.5	1.759	2.706	8.9	21.1
5 1	12 12.90	− 4 41.5	1.805	2.686	12.8	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
464011	2014 WE_{107}		3 31.2	185.°81	2.°9/28.4	16
	h m	° ′			°	m
2 21	13 5.37	+ 0 17.8	1.923	2.724	14.6	22.3
3 2	13 1.41	+ 1 10.1	1.837	2.724	11.4	22.1
3 12	12 55.18	+ 2 12.7	1.775	2.724	7.7	21.9
3 22	12 47.19	+ 3 20.0	1.738	2.723	4.0	21.6
4 1	12 38.30	+ 4 24.9	1.730	2.721	3.3	21.6
4 11	12 29.52	+ 5 20.4	1.750	2.719	6.7	21.8
4 21	12 21.79	+ 6 1.0	1.796	2.717	10.5	22.0
5 1	12 15.86	+ 6 23.6	1.866	2.714	13.9	22.2
507512	2012 VA_{27}		3 31.2	249.°42	1.°3/29.9	17
2 21	13 4.58	− 1 54.8	2.352	3.137	12.7	21.9
3 2	13 0.48	− 1 35.4	2.247	3.123	10.0	21.7
3 12	12 54.41	− 1 7.4	2.165	3.110	6.8	21.5
3 22	12 46.81	− 0 34.0	2.110	3.096	3.3	21.2
4 1	12 38.34	+ 0 0.7	2.084	3.081	1.5	21.0
4 11	12 29.85	+ 0 32.1	2.088	3.067	4.9	21.2
4 21	12 22.13	+ 0 55.8	2.120	3.052	8.5	21.4
5 1	12 15.87	+ 1 8.8	2.176	3.037	11.7	21.6
181414	2006 SX_{186}		3 31.2	187.°74	1.°8/29.0	18
2 21	13 3.43	+ 0 40.8	2.717	3.503	11.2	21.0
3 2	12 59.17	+ 1 4.9	2.625	3.503	8.7	20.8
3 12	12 53.27	+ 1 34.8	2.557	3.502	5.9	20.6
3 22	12 46.15	+ 2 7.3	2.516	3.501	3.0	20.4
4 1	12 38.42	+ 2 38.4	2.506	3.499	2.1	20.4
4 11	12 30.76	+ 3 4.3	2.525	3.498	4.7	20.5
4 21	12 23.81	+ 3 21.8	2.573	3.496	7.6	20.7
5 1	12 18.12	+ 3 28.8	2.647	3.494	10.3	20.9
285987	2001 RH_{150}		3 31.2	181.°85	0.°3/30.9	18
2 21	13 9.33	− 5 30.6	1.873	2.651	15.7	21.9
3 2	13 4.65	− 5 12.4	1.782	2.653	12.5	21.7
3 12	12 57.47	− 4 40.9	1.713	2.654	8.6	21.5
3 22	12 48.36	− 3 59.1	1.669	2.654	4.2	21.2
4 1	12 38.21	− 3 11.9	1.654	2.653	0.6	20.9
4 11	12 28.14	− 2 25.8	1.667	2.651	5.2	21.3
4 21	12 19.20	− 1 46.5	1.708	2.649	9.6	21.5
5 1	12 12.23	− 1 19.0	1.774	2.645	13.4	21.7
346559	2008 UM_{354}		3 31.2	110.°94	1.°7/29.4	17
2 21	13 2.50	− 2 0.0	2.099	2.895	13.7	21.0
3 2	12 58.93	− 1 23.1	2.016	2.899	10.7	20.8
3 12	12 53.35	− 0 36.1	1.955	2.903	7.2	20.6
3 22	12 46.26	+ 0 16.7	1.921	2.907	3.5	20.4
4 1	12 38.41	+ 1 9.9	1.915	2.911	2.0	20.3
4 11	12 30.69	+ 1 57.4	1.938	2.915	5.4	20.5
4 21	12 23.90	+ 2 34.6	1.987	2.919	9.0	20.7
5 1	12 18.71	+ 2 57.9	2.061	2.923	12.2	20.9
503607	2016 GG_{101}		3 31.2	134.°21	0.°8/30.3	17
2 21	13 1.79	− 6 33.0	1.857	2.648	15.4	21.6
3 2	12 58.68	− 5 38.3	1.773	2.652	12.1	21.4
3 12	12 53.34	− 4 26.9	1.711	2.656	8.2	21.2
3 22	12 46.31	− 3 3.5	1.674	2.660	3.9	20.9
4 1	12 38.41	− 1 35.2	1.665	2.664	1.2	20.7
4 11	12 30.65	− 0 10.4	1.685	2.667	5.4	21.0
4 21	12 23.93	+ 1 3.5	1.732	2.671	9.6	21.3
5 1	12 18.99	+ 2 0.8	1.802	2.674	13.2	21.5
39582	1993 FR_{21}		3 31.2	67.°85	0.°3/31.5	17
2 21	13 4.93	− 6 30.7	1.909	2.692	15.3	19.7
3 2	13 1.12	− 6 26.5	1.822	2.695	12.2	19.5
3 12	12 55.01	− 6 9.6	1.757	2.698	8.4	19.3
3 22	12 47.13	− 5 42.3	1.717	2.700	4.2	19.0
4 1	12 38.34	− 5 8.7	1.704	2.703	0.4	18.7
4 11	12 29.64	− 4 34.1	1.720	2.706	4.7	19.0
4 21	12 22.00	− 4 4.0	1.762	2.709	8.8	19.3
5 1	12 16.18	− 3 42.8	1.829	2.712	12.5	19.5
109984	2001 SB_{57}		3 31.2	62.°53	4.°3/28.2	18
2 21	13 12.12	+ 5 56.3	1.599	2.409	16.6	19.3
3 2	13 6.76	+ 6 16.0	1.544	2.433	13.0	19.1
3 12	12 58.73	+ 6 38.6	1.511	2.458	8.9	19.0
3 22	12 48.84	+ 6 58.2	1.503	2.483	5.2	18.8
4 1	12 38.21	+ 7 8.7	1.522	2.508	4.6	18.8
4 11	12 28.10	+ 7 5.5	1.568	2.533	7.7	19.0
4 21	12 19.55	+ 6 46.8	1.640	2.558	11.4	19.3
5 1	12 13.30	+ 6 12.6	1.735	2.583	14.7	19.6
469128	2015 EL_{17}		3 31.2	99.°23	3.°6/27.6	17
2 21	13 3.96	+ 3 20.0	1.996	2.803	13.8	21.1
3 2	13 0.11	+ 4 9.6	1.922	2.812	10.8	20.9
3 12	12 54.15	+ 5 5.7	1.872	2.821	7.3	20.7
3 22	12 46.65	+ 6 2.4	1.849	2.830	4.3	20.6
4 1	12 38.40	+ 6 53.4	1.853	2.839	4.0	20.6
4 11	12 30.35	+ 7 32.5	1.885	2.848	6.9	20.8
4 21	12 23.34	+ 7 56.0	1.943	2.856	10.2	21.0
5 1	12 18.03	+ 8 2.0	2.025	2.865	13.3	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
298983	2004 WM_{11}		3 31.2	148.°38	3.°5/27.8	18
	h m	° ′			°	m
2 21	13 8.50	+ 2 33.0	1.975	2.773	14.3	21.6
3 2	13 3.67	+ 3 28.4	1.900	2.785	11.2	21.4
3 12	12 56.58	+ 4 31.4	1.849	2.796	7.6	21.2
3 22	12 47.83	+ 5 36.0	1.824	2.806	4.3	21.0
4 1	12 38.29	+ 6 35.1	1.828	2.815	3.9	21.0
4 11	12 28.97	+ 7 22.2	1.860	2.823	7.0	21.2
4 21	12 20.79	+ 7 53.1	1.920	2.831	10.5	21.4
5 1	12 14.45	+ 8 5.7	2.003	2.837	13.6	21.7
166129	2002 CR_{236}		3 31.2	344.°38	5.°1/28.3	18
2 21	13 4.09	+ 5 0.9	1.127	1.973	19.8	18.5
3 2	13 2.08	+ 5 17.8	1.051	1.961	15.7	18.2
3 12	12 56.59	+ 5 41.1	0.994	1.951	11.0	17.9
3 22	12 48.23	+ 6 3.2	0.958	1.942	6.4	17.6
4 1	12 38.24	+ 6 15.2	0.944	1.935	5.6	17.6
4 11	12 28.34	+ 6 9.3	0.954	1.929	9.8	17.8
4 21	12 20.11	+ 5 41.4	0.985	1.924	14.9	18.0
5 1	12 14.75	+ 4 51.0	1.035	1.921	19.6	18.3
280252	2002 XK_{14}		3 31.2	208.°05	2.°5/28.7	18
2 21	13 7.35	− 1 32.2	1.931	2.723	14.8	21.4
3 2	13 3.09	− 0 32.2	1.834	2.716	11.6	21.2
3 12	12 56.43	+ 0 41.0	1.761	2.708	7.9	21.0
3 22	12 47.88	+ 2 2.0	1.714	2.699	4.0	20.7
4 1	12 38.28	+ 3 23.4	1.696	2.689	3.0	20.6
4 11	12 28.69	+ 4 36.8	1.707	2.678	6.6	20.8
4 21	12 20.13	+ 5 35.7	1.745	2.666	10.7	21.0
5 1	12 13.41	+ 6 15.6	1.807	2.653	14.4	21.2
428829	2008 TV_{127}		3 31.2	49.°70	2.°3/ 2.3	17
2 21	13 4.14	−11 58.1	1.995	2.757	15.5	21.5
3 2	13 0.49	−12 7.0	1.903	2.758	12.6	21.2
3 12	12 54.59	−12 0.3	1.832	2.758	9.1	21.0
3 22	12 46.95	−11 38.8	1.785	2.759	5.4	20.8
4 1	12 38.37	−11 5.2	1.765	2.760	2.4	20.6
4 11	12 29.84	−10 24.3	1.774	2.761	4.4	20.7
4 21	12 22.30	− 9 41.8	1.809	2.762	8.2	21.0
5 1	12 16.51	− 9 3.7	1.870	2.763	11.8	21.2
168555	1999 WY_{17}		3 31.2	78.°47	0.°2/31.3	18
2 21	13 5.64	− 7 31.2	1.589	2.380	17.5	20.7
3 2	13 1.96	− 7 7.3	1.520	2.397	13.9	20.5
3 12	12 55.67	− 6 26.3	1.471	2.414	9.5	20.3
3 22	12 47.46	− 5 32.3	1.446	2.431	4.7	20.0
4 1	12 38.34	− 4 31.3	1.449	2.448	0.4	19.7
4 11	12 29.52	− 3 31.3	1.478	2.464	5.3	20.1
4 21	12 22.06	− 2 39.5	1.533	2.481	9.8	20.4
5 1	12 16.74	− 2 1.4	1.612	2.497	13.8	20.7
463132	2011 WS_{44}		3 31.2	99.°21	0.°3/31.5	18
2 21	13 6.67	− 8 3.0	1.639	2.425	17.3	22.3
3 2	13 2.72	− 7 39.5	1.567	2.441	13.7	22.1
3 12	12 56.18	− 6 58.9	1.516	2.457	9.5	21.9
3 22	12 47.71	− 6 4.6	1.488	2.472	4.7	21.6
4 1	12 38.32	− 5 2.8	1.488	2.487	0.4	21.3
4 11	12 29.22	− 4 1.1	1.515	2.502	5.2	21.7
4 21	12 21.44	− 3 6.8	1.569	2.516	9.7	22.0
5 1	12 15.79	− 2 25.6	1.647	2.531	13.6	22.3
303912	2005 UC_{22}		3 31.2	111.°90	2.°0/ 2.9	17
2 21	13 0.01	−14 30.0	2.771	3.507	12.2	22.3
3 2	12 56.51	−14 12.5	2.680	3.518	9.9	22.1
3 12	12 51.47	−13 40.8	2.612	3.528	7.2	22.0
3 22	12 45.29	−12 56.5	2.569	3.539	4.4	21.8
4 1	12 38.55	−12 2.3	2.556	3.549	2.1	21.6
4 11	12 31.92	−11 2.6	2.572	3.559	3.3	21.7
4 21	12 25.99	−10 2.1	2.618	3.569	6.1	21.9
5 1	12 21.28	− 9 5.6	2.690	3.578	8.8	22.1
187762	1997 WQ_5		3 31.2	204.°25	0.°7/30.5	17
2 21	13 4.61	− 5 4.0	2.246	3.024	13.4	22.1
3 2	13 0.56	− 4 31.9	2.148	3.020	10.6	21.9
3 12	12 54.49	− 3 47.8	2.073	3.015	7.2	21.7
3 22	12 46.87	− 2 55.0	2.024	3.009	3.5	21.5
4 1	12 38.41	− 1 58.2	2.004	3.003	0.9	21.2
4 11	12 29.97	− 1 3.1	2.014	2.996	4.7	21.5
4 21	12 22.40	− 0 15.3	2.052	2.989	8.4	21.7
5 1	12 16.36	+ 0 21.1	2.116	2.981	11.8	21.9
463304	2012 JA_7		3 31.2	340.°35	2.°9/29.1	17
2 21	13 2.53	+ 0 19.2	1.430	2.256	17.4	20.9
3 2	13 0.08	+ 0 44.6	1.348	2.247	13.7	20.6
3 12	12 54.78	+ 1 21.2	1.285	2.239	9.4	20.3
3 22	12 47.20	+ 2 3.5	1.245	2.232	4.8	20.0
4 1	12 38.37	+ 2 44.1	1.231	2.226	3.3	19.9
4 11	12 29.60	+ 3 15.1	1.242	2.220	7.5	20.1
4 21	12 22.13	+ 3 30.5	1.276	2.215	12.2	20.4
5 1	12 16.95	+ 3 26.9	1.332	2.211	16.5	20.6

300195 2006 WO_{96} 3 31.2 251.°41 3.°5/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.99	+ 5 41.4	2.434	3.237	11.8	20.4
3 2	12 59.06	+ 6 18.8	2.346	3.233	9.2	20.2
3 12	12 53.33	+ 6 59.8	2.282	3.228	6.4	20.0
3 22	12 46.25	+ 7 39.9	2.245	3.223	4.0	19.9
4 1	12 38.47	+ 8 14.1	2.237	3.219	3.9	19.8
4 11	12 30.77	+ 8 37.8	2.257	3.214	6.3	20.0
4 21	12 23.87	+ 8 48.2	2.304	3.209	9.2	20.2
5 1	12 18.37	+ 8 43.6	2.376	3.204	11.9	20.3

253178 2002 XY_9 3 31.2 169.°99 1.°4/ 1.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.95	−10 59.5	2.276	3.029	14.0	20.4
3 2	13 1.56	−10 46.8	2.182	3.033	11.3	20.2
3 12	12 55.13	−10 19.6	2.109	3.037	8.1	20.0
3 22	12 47.17	− 9 39.4	2.063	3.040	4.5	19.8
4 1	12 38.40	− 8 49.7	2.045	3.042	1.4	19.6
4 11	12 29.70	− 7 55.6	2.057	3.044	4.0	19.7
4 21	12 21.91	− 7 2.6	2.097	3.045	7.6	20.0
5 1	12 15.70	− 6 16.1	2.164	3.045	10.9	20.2

271151 2003 SZ_{169} 3 31.2 244.°14 1.°8/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.24	−13 53.6	2.139	2.895	14.7	20.4
3 2	12 57.32	−13 17.9	2.037	2.889	12.0	20.2
3 12	12 52.38	−12 22.7	1.956	2.883	8.7	19.9
3 22	12 45.87	−11 9.8	1.901	2.876	5.0	19.7
4 1	12 38.51	− 9 43.5	1.873	2.870	1.8	19.5
4 11	12 31.18	− 8 10.8	1.875	2.863	4.1	19.6
4 21	12 24.71	− 6 39.4	1.904	2.856	7.9	19.8
5 1	12 19.80	− 5 16.6	1.960	2.849	11.5	20.0

356370 2010 MJ_{90} 3 31.2 0.°60 0.°3/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.68	− 4 16.7	2.579	3.355	11.9	20.6
3 2	12 58.72	− 4 10.6	2.484	3.355	9.4	20.4
3 12	12 53.06	− 3 56.3	2.414	3.355	6.4	20.2
3 22	12 46.11	− 3 36.0	2.371	3.355	3.1	20.0
4 1	12 38.49	− 3 12.7	2.356	3.355	0.5	19.8
4 11	12 30.94	− 2 50.2	2.371	3.355	3.9	20.1
4 21	12 24.13	− 2 32.0	2.415	3.355	7.1	20.3
5 1	12 18.63	− 2 21.1	2.485	3.355	10.1	20.5

46354 2001 TY_8 3 31.2 153.°85 3.°8/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.80	+ 5 57.5	2.245	3.040	12.9	18.1
3 2	13 3.65	+ 6 32.2	2.166	3.048	10.1	17.9
3 12	12 56.46	+ 7 10.1	2.111	3.055	7.0	17.8
3 22	12 47.77	+ 7 46.2	2.084	3.062	4.3	17.6
4 1	12 38.36	+ 8 15.3	2.085	3.068	4.1	17.6
4 11	12 29.13	+ 8 32.9	2.116	3.073	6.7	17.8
4 21	12 20.91	+ 8 36.2	2.174	3.078	9.7	18.0
5 1	12 14.35	+ 8 24.3	2.257	3.082	12.6	18.2

335783 2007 FR_{10} 3 31.2 260.°86 1.°4/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.56	− 9 34.4	2.069	2.836	14.8	21.6
3 2	13 0.87	− 9 33.6	1.962	2.823	12.0	21.3
3 12	12 54.93	− 9 18.7	1.876	2.809	8.5	21.1
3 22	12 47.19	− 8 50.8	1.816	2.795	4.7	20.8
4 1	12 38.40	− 8 13.0	1.783	2.781	1.4	20.6
4 11	12 29.53	− 7 30.3	1.779	2.766	4.4	20.7
4 21	12 21.52	− 6 48.3	1.802	2.752	8.5	21.0
5 1	12 15.20	− 6 12.5	1.850	2.737	12.2	21.2

102665 1999 VC_{59} 3 31.2 158.°69 0.°8/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.24	− 4 29.5	2.137	2.914	14.1	21.0
3 2	13 2.61	− 3 59.7	2.051	2.922	11.1	20.8
3 12	12 55.85	− 3 18.3	1.987	2.929	7.5	20.6
3 22	12 47.52	− 2 29.0	1.951	2.936	3.6	20.3
4 1	12 38.39	− 1 36.7	1.943	2.942	1.0	20.1
4 11	12 29.39	− 0 47.2	1.965	2.947	4.9	20.4
4 21	12 21.40	− 0 5.6	2.015	2.951	8.6	20.7
5 1	12 15.08	+ 0 24.0	2.091	2.954	12.0	20.9

177632 2004 JS_{48} 3 31.2 294.°90 2.°2/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.58	+ 0 22.0	2.231	3.031	12.8	20.7
3 2	12 58.21	+ 0 55.4	2.136	3.022	10.0	20.5
3 12	12 52.90	+ 1 36.9	2.064	3.012	6.8	20.3
3 22	12 46.11	+ 2 22.3	2.018	3.003	3.5	20.0
4 1	12 38.51	+ 3 6.5	2.001	2.994	2.6	20.0
4 11	12 30.94	+ 3 44.2	2.012	2.985	5.6	20.1
4 21	12 24.18	+ 4 10.9	2.050	2.976	9.1	20.3
5 1	12 18.90	+ 4 23.8	2.112	2.967	12.2	20.5

259345 2003 GJ_{14} 3 31.2 30.°98 4.°6/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.18	+ 1 33.0	1.259	2.099	18.5	19.6
3 2	12 58.19	+ 2 45.3	1.207	2.115	14.3	19.3
3 12	12 53.33	+ 4 9.3	1.175	2.132	9.6	19.1
3 22	12 46.38	+ 5 35.3	1.166	2.151	5.5	18.9
4 1	12 38.49	+ 6 52.3	1.182	2.170	5.2	19.0
4 11	12 31.04	+ 7 50.3	1.222	2.191	9.0	19.2
4 21	12 25.12	+ 8 23.8	1.285	2.212	13.2	19.5
5 1	12 21.51	+ 8 31.3	1.368	2.234	17.0	19.8

292348 2006 SB_{211} 3 31.2 170.°63 0.°7/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.93	−10 30.1	2.780	3.535	11.7	21.4
3 2	12 56.47	− 9 50.2	2.682	3.537	9.3	21.2
3 12	12 51.46	− 8 57.2	2.608	3.540	6.5	21.0
3 22	12 45.31	− 7 53.4	2.561	3.542	3.4	20.8
4 1	12 38.59	− 6 42.6	2.544	3.543	0.7	20.6
4 11	12 31.93	− 5 30.0	2.558	3.544	3.4	20.8
4 21	12 25.95	− 4 20.6	2.601	3.545	6.5	21.0
5 1	12 21.15	− 3 19.0	2.670	3.546	9.3	21.2

30955 Weiser 3 31.2 84.°63 1.°1/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.83	− 9 14.0	2.423	3.183	13.1	18.1
3 2	12 59.65	− 9 11.6	2.342	3.200	10.4	17.9
3 12	12 53.67	− 8 57.4	2.285	3.216	7.3	17.8
3 22	12 46.39	− 8 33.3	2.254	3.233	3.9	17.6
4 1	12 38.49	− 8 2.3	2.251	3.249	1.1	17.4
4 11	12 30.76	− 7 28.4	2.278	3.265	3.6	17.6
4 21	12 23.88	− 6 56.0	2.334	3.281	6.9	17.8
5 1	12 18.45	− 6 28.9	2.415	3.297	9.9	18.0

312180 2007 VB_{18} 3 31.2 36.°35 4.°0/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.05	+ 3 0.9	1.270	2.100	18.9	20.7
3 2	13 3.68	+ 3 27.2	1.209	2.111	14.8	20.5
3 12	12 57.16	+ 4 1.6	1.168	2.122	10.1	20.2
3 22	12 48.30	+ 4 37.0	1.149	2.134	5.5	20.0
4 1	12 38.32	+ 5 5.2	1.156	2.147	4.5	20.0
4 11	12 28.76	+ 5 19.0	1.187	2.161	8.4	20.2
4 21	12 20.89	+ 5 14.4	1.241	2.175	13.0	20.5
5 1	12 15.61	+ 4 50.3	1.317	2.190	17.0	20.8

46745 1997 WK_{47} 3 31.2 149.°10 1.°4/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.01	− 1 51.8	2.554	3.338	11.8	19.5
3 2	12 58.93	− 1 19.8	2.468	3.345	9.2	19.3
3 12	12 53.16	− 0 39.8	2.407	3.351	6.2	19.1
3 22	12 46.15	+ 0 4.8	2.372	3.358	3.0	18.9
4 1	12 38.52	+ 0 49.7	2.367	3.363	1.6	18.8
4 11	12 31.00	+ 1 30.2	2.392	3.369	4.5	19.0
4 21	12 24.26	+ 2 2.6	2.445	3.374	7.7	19.2
5 1	12 18.85	+ 2 23.9	2.524	3.378	10.5	19.4

507647 2013 OV_{11} 3 31.2 195.°26 1.°3/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.52	− 2 22.7	2.474	3.255	12.3	22.5
3 2	13 0.25	− 1 48.0	2.378	3.253	9.6	22.3
3 12	12 54.16	− 1 4.3	2.305	3.249	6.5	22.1
3 22	12 46.68	− 0 14.8	2.260	3.246	3.1	21.8
4 1	12 38.47	+ 0 35.8	2.245	3.241	1.6	21.7
4 11	12 30.31	+ 1 22.4	2.259	3.236	4.7	21.9
4 21	12 22.93	+ 2 0.6	2.302	3.230	8.1	22.1
5 1	12 16.95	+ 2 27.2	2.370	3.224	11.1	22.3

501093 2013 SP_{72} 3 31.2 248.°05 0.°4/31.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.40	− 7 13.9	1.962	2.740	15.1	22.4
3 2	13 1.62	− 7 5.0	1.860	2.729	12.1	22.2
3 12	12 55.49	− 6 42.5	1.779	2.718	8.5	21.9
3 22	12 47.48	− 6 8.4	1.723	2.706	4.3	21.6
4 1	12 38.40	− 5 26.6	1.696	2.695	0.5	21.3
4 11	12 29.26	− 4 42.7	1.696	2.683	4.7	21.6
4 21	12 21.07	− 4 2.8	1.724	2.670	9.0	21.8
5 1	12 14.67	− 3 31.9	1.776	2.658	12.9	22.0

284331 2006 RU_{14} 3 31.2 64.°07 2.°4/ 3.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.89	−15 10.3	2.185	2.934	14.6	20.8
3 2	12 56.93	−14 48.2	2.095	2.941	12.0	20.6
3 12	12 52.02	−14 7.5	2.027	2.947	8.8	20.4
3 22	12 45.66	−13 9.9	1.983	2.954	5.3	20.2
4 1	12 38.57	−11 59.1	1.967	2.961	2.5	20.0
4 11	12 31.60	−10 41.2	1.980	2.968	4.0	20.1
4 21	12 25.51	− 9 23.0	2.020	2.975	7.4	20.3
5 1	12 20.94	− 8 11.0	2.087	2.981	10.7	20.5

496242 2012 GQ_{22} 3 31.2 32.°37 2.°9/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.46	− 3 34.2	1.506	2.327	17.0	20.7
3 2	12 56.54	− 2 2.0	1.435	2.333	13.2	20.5
3 12	12 52.12	− 0 11.0	1.386	2.341	8.8	20.3
3 22	12 45.81	+ 1 50.2	1.361	2.348	4.4	20.0
4 1	12 38.56	+ 3 50.5	1.364	2.357	3.6	20.0
4 11	12 31.54	+ 5 37.9	1.393	2.365	7.6	20.2
4 21	12 25.74	+ 7 3.6	1.446	2.374	12.0	20.5
5 1	12 21.95	+ 8 2.6	1.522	2.384	15.8	20.8

425194 2009 UD_{135} 3 31.2 65.°90 1.°0/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.39	− 9 49.7	1.795	2.574	16.3	21.5
3 2	12 59.94	− 9 31.2	1.722	2.590	13.0	21.3
3 12	12 54.19	− 8 55.6	1.670	2.607	9.1	21.1
3 22	12 46.74	− 8 6.0	1.642	2.623	4.8	20.9
4 1	12 38.48	− 7 7.4	1.641	2.640	1.0	20.6
4 11	12 30.47	− 6 6.6	1.669	2.657	4.6	20.9
4 21	12 23.61	− 5 10.5	1.723	2.673	8.7	21.2
5 1	12 18.63	− 4 24.9	1.801	2.690	12.4	21.5

206305 2003 HZ_3 3 31.2 175.°77 1.°5/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.25	−12 10.7	1.813	2.578	16.6	20.2
3 2	13 1.59	−11 41.9	1.722	2.581	13.5	20.0
3 12	12 55.48	−10 52.6	1.651	2.583	9.6	19.8
3 22	12 47.45	− 9 45.2	1.605	2.584	5.3	19.5
4 1	12 38.42	− 8 24.6	1.586	2.584	1.5	19.3
4 11	12 29.47	− 6 58.8	1.596	2.584	4.7	19.5
4 21	12 21.64	− 5 36.4	1.633	2.584	9.1	19.7
5 1	12 15.76	− 4 24.9	1.695	2.582	13.1	20.0

297471 2000 TA_5 3 31.2 222.°17 0.°1/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.36	− 5 12.4	2.694	3.464	11.7	21.3
3 2	12 59.23	− 5 1.5	2.591	3.458	9.2	21.1
3 12	12 53.42	− 4 41.7	2.512	3.451	6.3	20.9
3 22	12 46.32	− 4 15.1	2.459	3.443	3.1	20.7
4 1	12 38.52	− 3 44.8	2.437	3.436	0.3	20.4
4 11	12 30.73	− 3 14.7	2.444	3.428	3.8	20.7
4 21	12 23.63	− 2 48.4	2.480	3.420	7.0	20.9
5 1	12 17.79	− 2 29.2	2.543	3.412	9.9	21.0

518154 2016 FA_{64} 3 31.2 205.°65 5.°6/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.91	+10 41.0	2.390	3.199	11.8	21.5
3 2	12 59.08	+11 59.5	2.309	3.195	9.4	21.4
3 12	12 53.40	+13 20.2	2.252	3.190	7.0	21.2
3 22	12 46.33	+14 36.2	2.223	3.185	5.6	21.1
4 1	12 38.53	+15 40.9	2.223	3.179	6.2	21.1
4 11	12 30.81	+16 28.6	2.250	3.173	8.4	21.2
4 21	12 23.92	+16 56.2	2.303	3.167	10.9	21.4
5 1	12 18.46	+17 2.9	2.379	3.160	13.3	21.6

266617 2008 OX_{23} 3 31.2 291.°73 4.°9/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.76	+ 3 32.9	1.795	2.617	14.5	20.2
3 2	12 57.37	+ 5 3.6	1.702	2.601	11.4	19.9
3 12	12 52.66	+ 6 46.2	1.634	2.585	7.9	19.7
3 22	12 46.12	+ 8 32.6	1.590	2.570	5.2	19.5
4 1	12 38.54	+10 13.0	1.575	2.554	5.7	19.5
4 11	12 30.94	+11 37.5	1.586	2.538	8.9	19.6
4 21	12 24.31	+12 39.3	1.622	2.523	12.7	19.8
5 1	12 19.47	+13 15.0	1.679	2.507	16.1	20.0

374478 2005 YB_{40} 3 31.2 132.°85 7.°5/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.01	+13 40.1	1.929	2.751	13.7	20.4
3 2	12 59.58	+15 13.5	1.863	2.753	11.1	20.2
3 12	12 53.93	+16 46.6	1.821	2.755	8.7	20.1
3 22	12 46.63	+18 10.4	1.804	2.756	7.6	20.0
4 1	12 38.51	+19 16.4	1.814	2.758	8.4	20.1
4 11	12 30.58	+19 58.3	1.850	2.760	10.7	20.2
4 21	12 23.72	+20 13.6	1.909	2.761	13.3	20.4
5 1	12 18.65	+20 2.8	1.988	2.763	15.8	20.6

275548 1998 YA_{16} 3 31.2 143.°39 1.°7/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.88	− 2 3.8	2.368	3.149	12.7	20.9
3 2	13 1.26	− 1 17.5	2.288	3.163	9.9	20.7
3 12	12 54.78	− 0 21.9	2.232	3.176	6.6	20.6
3 22	12 46.95	+ 0 38.7	2.203	3.189	3.2	20.4
4 1	12 38.49	+ 1 39.1	2.205	3.200	1.9	20.3
4 11	12 30.19	+ 2 33.7	2.237	3.211	5.0	20.5
4 21	12 22.80	+ 3 18.0	2.297	3.221	8.3	20.7
5 1	12 16.91	+ 3 48.9	2.382	3.230	11.3	20.9

16873 1998 BO_1 3 31.2 107.°84 1.°5/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.47	− 9 23.4	1.623	2.402	17.8	17.9
3 2	13 4.31	− 9 28.4	1.545	2.412	14.3	17.7
3 12	12 57.42	− 9 16.7	1.486	2.422	10.1	17.4
3 22	12 48.42	− 8 50.0	1.452	2.432	5.5	17.2
4 1	12 38.35	− 8 12.2	1.443	2.441	1.6	16.9
4 11	12 28.48	− 7 29.7	1.463	2.451	5.1	17.2
4 21	12 19.95	− 6 49.4	1.508	2.460	9.6	17.5
5 1	12 13.64	− 6 17.4	1.578	2.469	13.7	17.7

467315 1999 TZ_{244} 3 31.2 201.°78 0.°7/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.68	− 5 19.7	2.639	3.411	11.8	22.4
3 2	12 58.73	− 4 36.8	2.538	3.407	9.3	22.2
3 12	12 53.09	− 3 42.8	2.460	3.401	6.3	22.0
3 22	12 46.17	− 2 40.9	2.410	3.395	3.0	21.8
4 1	12 38.56	− 1 35.5	2.390	3.388	0.9	21.6
4 11	12 30.98	− 0 31.8	2.400	3.381	4.2	21.8
4 21	12 24.10	+ 0 25.1	2.440	3.373	7.5	22.0
5 1	12 18.50	+ 1 11.4	2.506	3.364	10.4	22.2

102204 1999 SE_{19} 3 31.2 180.°70 3.°9/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.30	+ 5 50.1	2.528	3.329	11.5	20.4
3 2	12 59.23	+ 6 55.0	2.445	3.330	9.0	20.3
3 12	12 53.41	+ 8 4.6	2.386	3.331	6.3	20.1
3 22	12 46.30	+ 9 13.3	2.355	3.331	4.2	19.9
4 1	12 38.55	+10 15.3	2.354	3.330	4.4	20.0
4 11	12 30.89	+11 5.2	2.382	3.329	6.7	20.1
4 21	12 24.01	+11 39.7	2.438	3.328	9.4	20.3
5 1	12 18.49	+11 56.9	2.517	3.325	11.9	20.4

503151 2015 GJ_{26} 3 31.2 227.°59 4.°9/25.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.23	+ 8 32.4	2.294	3.105	12.2	21.4
3 2	12 58.60	+ 9 32.4	2.213	3.103	9.6	21.2
3 12	12 53.09	+10 35.3	2.157	3.100	6.9	21.0
3 22	12 46.18	+11 34.9	2.127	3.098	5.0	20.9
4 1	12 38.56	+12 25.0	2.125	3.095	5.4	20.9
4 11	12 31.04	+13 0.4	2.152	3.092	7.7	21.1
4 21	12 24.37	+13 18.0	2.204	3.089	10.4	21.2
5 1	12 19.18	+13 16.8	2.278	3.087	13.0	21.4

255816 2006 SN_{52} 3 31.2 167.°75 2.°6/ 2.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.14	−13 0.4	1.972	2.724	15.9	22.1
3 2	13 2.90	−13 7.6	1.879	2.727	13.0	21.9
3 12	12 56.29	−12 58.2	1.808	2.730	9.5	21.7
3 22	12 47.85	−12 32.6	1.760	2.732	5.7	21.5
4 1	12 38.41	−11 53.4	1.740	2.734	2.7	21.3
4 11	12 29.03	−11 5.8	1.749	2.736	4.6	21.4
4 21	12 20.70	−10 16.0	1.785	2.737	8.4	21.6
5 1	12 14.23	− 9 30.4	1.847	2.738	12.0	21.8

102512 1999 TO_{300} 3 31.2 4.°75 0.°9/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.51	− 5 57.1	2.087	2.881	13.8	19.7
3 2	12 55.13	− 5 1.6	2.000	2.882	10.8	19.5
3 12	12 50.83	− 3 51.4	1.935	2.882	7.3	19.3
3 22	12 45.11	− 2 31.1	1.897	2.883	3.5	19.0
4 1	12 38.65	− 1 6.8	1.886	2.884	1.2	18.9
4 11	12 32.29	+ 0 14.1	1.904	2.886	4.9	19.1
4 21	12 26.78	+ 1 25.0	1.950	2.888	8.7	19.3
5 1	12 22.76	+ 2 21.0	2.020	2.890	12.0	19.6

500595 2012 UN_{110} 3 31.2 71.°22 9.°4/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 10.10	+26 5.6	2.304	3.092	12.9	20.5
3 2	13 4.65	+27 2.7	2.253	3.101	11.1	20.4
3 12	12 57.08	+27 48.7	2.224	3.110	9.8	20.3
3 22	12 48.04	+28 16.5	2.220	3.119	9.4	20.3
4 1	12 38.41	+28 20.7	2.241	3.128	10.0	20.4
4 11	12 29.15	+27 59.0	2.288	3.137	11.4	20.5
4 21	12 21.09	+27 12.4	2.357	3.146	13.1	20.6
5 1	12 14.84	+26 3.9	2.446	3.155	14.8	20.8

166875 2002 XH_{60} 3 31.2 98.°86 1.°0/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.92	−10 5.0	2.326	3.089	13.5	20.7
3 2	12 58.30	− 9 45.2	2.242	3.101	10.8	20.5
3 12	12 52.85	− 9 11.5	2.179	3.112	7.6	20.3
3 22	12 46.04	− 8 26.4	2.143	3.123	4.0	20.1
4 1	12 38.58	− 7 33.5	2.136	3.134	1.0	19.9
4 11	12 31.25	− 6 38.2	2.157	3.145	3.8	20.1
4 21	12 24.77	− 5 45.7	2.207	3.155	7.2	20.3
5 1	12 19.76	− 5 0.7	2.283	3.166	10.4	20.6

327225 2005 QD_{100} 3 31.2 288.°20 2.°9/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.39	− 3 8.7	1.695	2.507	15.7	21.0
3 2	12 57.16	− 1 39.7	1.605	2.499	12.3	20.8
3 12	12 52.56	+ 0 7.8	1.537	2.490	8.3	20.5
3 22	12 46.08	+ 2 6.8	1.495	2.481	4.2	20.2
4 1	12 38.57	+ 4 7.4	1.480	2.473	3.5	20.2
4 11	12 31.10	+ 5 58.1	1.493	2.464	7.4	20.4
4 21	12 24.67	+ 7 29.9	1.532	2.456	11.7	20.6
5 1	12 20.11	+ 8 36.7	1.593	2.447	15.6	20.8

225936 2002 AT_{176} 3 31.2 112.°57 2.°4/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.68	− 0 22.4	1.898	2.702	14.6	20.5
3 2	13 0.12	+ 0 19.8	1.818	2.706	11.4	20.3
3 12	12 54.32	+ 1 12.0	1.760	2.709	7.7	20.0
3 22	12 46.85	+ 2 9.1	1.727	2.713	3.9	19.8
4 1	12 38.52	+ 3 4.7	1.722	2.716	2.8	19.7
4 11	12 30.34	+ 3 52.0	1.746	2.719	6.2	20.0
4 21	12 23.21	+ 4 26.0	1.795	2.723	10.0	20.2
5 1	12 17.86	+ 4 43.6	1.868	2.726	13.5	20.4

421156 2013 RW_{35} 3 31.2 292.°34 2.°1/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 10.14	+ 1 19.1	1.753	2.552	15.8	20.1
3 2	13 5.68	+ 1 15.2	1.653	2.537	12.6	19.9
3 12	12 58.48	+ 1 17.3	1.575	2.522	8.6	19.6
3 22	12 49.06	+ 1 21.8	1.522	2.507	4.4	19.3
4 1	12 38.32	+ 1 24.4	1.496	2.492	2.4	19.1
4 11	12 27.50	+ 1 20.1	1.498	2.477	6.4	19.3
4 21	12 17.80	+ 1 5.5	1.527	2.462	10.9	19.6
5 1	12 10.20	+ 0 38.4	1.580	2.448	14.9	19.8

214467 2005 ST_{196} 3 31.2 306.°12 0.°9/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.72	− 4 5.7	2.091	2.885	13.8	20.9
3 2	12 57.84	− 3 41.5	1.981	2.862	10.9	20.7
3 12	12 52.87	− 3 5.4	1.894	2.840	7.5	20.4
3 22	12 46.22	− 2 20.4	1.832	2.818	3.6	20.1
4 1	12 38.57	− 1 31.1	1.798	2.796	1.1	19.9
4 11	12 30.83	− 0 43.6	1.792	2.774	5.1	20.1
4 21	12 23.87	− 0 3.4	1.812	2.753	9.1	20.3
5 1	12 18.46	+ 0 24.9	1.857	2.731	12.8	20.5

334731 2003 OH_7 3 31.2 258.°11 0.°4/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.82	− 6 14.3	2.313	3.089	13.2	22.2
3 2	12 59.27	− 5 37.7	2.198	3.068	10.5	22.0
3 12	12 53.73	− 4 47.6	2.105	3.046	7.2	21.8
3 22	12 46.61	− 3 46.8	2.039	3.024	3.5	21.5
4 1	12 38.55	− 2 39.9	2.002	3.001	0.7	21.2
4 11	12 30.38	− 1 32.9	1.995	2.978	4.6	21.5
4 21	12 22.93	− 0 31.9	2.016	2.954	8.5	21.7
5 1	12 16.93	+ 0 17.9	2.062	2.929	12.0	21.8

413968 2007 CM_{40} 3 31.2 24.°65 3.°3/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.27	+ 1 23.8	1.382	2.208	17.9	20.4
3 2	13 1.32	+ 1 50.1	1.316	2.216	14.0	20.1
3 12	12 55.50	+ 2 25.9	1.270	2.225	9.5	19.9
3 22	12 47.52	+ 3 4.8	1.248	2.234	4.9	19.6
4 1	12 38.48	+ 3 39.5	1.251	2.244	3.7	19.6
4 11	12 29.75	+ 4 2.6	1.279	2.255	7.6	19.8
4 21	12 22.49	+ 4 9.4	1.331	2.267	12.1	20.1
5 1	12 17.58	+ 3 57.8	1.404	2.279	16.0	20.4

61250 2000 OV_{23} 3 31.2 187.°06 7.°1/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.66	+13 59.6	2.138	2.951	12.9	19.7
3 2	13 0.68	+15 27.9	2.067	2.951	10.4	19.5
3 12	12 54.60	+16 55.8	2.019	2.950	8.2	19.3
3 22	12 46.96	+18 15.3	1.999	2.949	7.1	19.3
4 1	12 38.53	+19 18.4	2.006	2.947	7.9	19.3
4 11	12 30.24	+19 59.5	2.039	2.945	10.0	19.4
4 21	12 22.94	+20 16.0	2.096	2.943	12.5	19.6
5 1	12 17.31	+20 8.2	2.175	2.940	14.9	19.8

13799 1998 VC_{34} 3 31.2 121.°28 0.°5/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.83	− 8 4.3	2.175	2.949	14.0	19.5
3 2	12 59.20	− 7 46.9	2.086	2.953	11.1	19.3
3 12	12 53.58	− 7 16.3	2.020	2.957	7.7	19.1
3 22	12 46.46	− 6 35.0	1.979	2.962	3.9	18.9
4 1	12 38.58	− 5 46.9	1.967	2.966	0.5	18.6
4 11	12 30.79	− 4 57.6	1.983	2.970	4.1	18.9
4 21	12 23.90	− 4 12.2	2.027	2.974	7.9	19.2
5 1	12 18.57	− 3 35.5	2.097	2.978	11.2	19.4

362015 2008 WN_{126} 3 31.2 40.°30 6.°4/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.06	+ 6 43.3	1.308	2.143	18.2	20.5
3 2	13 2.94	+ 7 47.0	1.245	2.148	14.3	20.2
3 12	12 56.73	+ 8 56.8	1.202	2.154	10.2	20.0
3 22	12 48.16	+10 3.1	1.182	2.160	6.9	19.8
4 1	12 38.45	+10 55.2	1.187	2.166	7.1	19.9
4 11	12 29.07	+11 24.5	1.216	2.173	10.5	20.1
4 21	12 21.29	+11 27.3	1.267	2.180	14.6	20.3
5 1	12 16.04	+11 3.6	1.339	2.187	18.3	20.6

436909 2012 TD_{81} 3 31.2 76.°57 1.°3/30.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.80	− 1 24.4	2.170	2.959	13.5	21.3
3 2	13 1.39	− 1 13.2	2.093	2.972	10.6	21.1
3 12	12 54.98	− 0 54.4	2.040	2.985	7.1	20.9
3 22	12 47.11	− 0 31.1	2.012	2.998	3.4	20.7
4 1	12 38.55	− 0 7.6	2.014	3.011	1.5	20.6
4 11	12 30.18	+ 0 11.8	2.044	3.024	4.8	20.9
4 21	12 22.80	+ 0 23.7	2.102	3.037	8.4	21.1
5 1	12 17.04	+ 0 25.4	2.185	3.050	11.5	21.3

145554 2006 MJ_9 3 31.2 207.°20 0.°5/30.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.80	− 5 51.6	2.209	2.983	13.8	21.3
3 2	13 1.60	− 5 16.4	2.108	2.977	10.9	21.1
3 12	12 55.29	− 4 27.9	2.029	2.970	7.5	20.8
3 22	12 47.36	− 3 29.5	1.977	2.962	3.6	20.6
4 1	12 38.53	− 2 26.0	1.954	2.953	0.8	20.3
4 11	12 29.70	− 1 23.7	1.961	2.944	4.7	20.6
4 21	12 21.74	− 0 28.5	1.997	2.933	8.6	20.8
5 1	12 15.37	+ 0 15.0	2.057	2.922	12.1	21.0

135493 2001 XN_{48} 3 31.2 114.°79 5.°5/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.84	−25 58.5	2.686	3.350	14.0	19.6
3 2	12 58.96	−26 12.6	2.594	3.364	12.1	19.4
3 12	12 53.30	−26 7.7	2.522	3.378	9.9	19.3
3 22	12 46.30	−25 42.7	2.473	3.391	7.6	19.2
4 1	12 38.63	−24 58.6	2.450	3.404	5.9	19.1
4 11	12 31.07	−23 58.7	2.455	3.417	5.6	19.1
4 21	12 24.32	−22 48.1	2.488	3.429	6.9	19.2
5 1	12 18.99	−21 33.0	2.549	3.441	9.1	19.3

323437 2004 GZ_{21} 3 31.2 339.°12 1.°9/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.95	−12 9.9	1.476	2.269	18.6	20.7
3 2	12 57.29	−11 51.5	1.387	2.261	15.1	20.4
3 12	12 52.92	−11 9.4	1.316	2.255	10.9	20.1
3 22	12 46.38	−10 5.5	1.268	2.248	6.1	19.9
4 1	12 38.61	− 8 45.0	1.245	2.243	1.9	19.6
4 11	12 30.87	− 7 17.3	1.248	2.238	5.3	19.8
4 21	12 24.33	− 5 52.6	1.275	2.234	10.3	20.0
5 1	12 19.96	− 4 40.3	1.325	2.230	14.8	20.3

212537 2006 RM_{95} 3 31.2 201.°68 0.°3/31.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.64	− 6 55.7	2.460	3.231	12.6	21.2
3 2	12 58.85	− 6 44.1	2.364	3.229	10.0	21.1
3 12	12 53.26	− 6 21.7	2.291	3.228	6.9	20.9
3 22	12 46.30	− 5 50.7	2.244	3.227	3.5	20.6
4 1	12 38.63	− 5 14.3	2.226	3.225	0.3	20.4
4 11	12 31.00	− 4 37.0	2.237	3.223	3.8	20.6
4 21	12 24.14	− 4 3.1	2.277	3.221	7.3	20.9
5 1	12 18.65	− 3 36.4	2.343	3.219	10.4	21.0

158289 2001 UB_{81} 3 31.2 147.°67 1.°1/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.96	− 3 40.4	1.976	2.766	14.6	20.7
3 2	13 1.06	− 3 10.4	1.891	2.770	11.5	20.5
3 12	12 54.95	− 2 28.7	1.829	2.775	7.8	20.3
3 22	12 47.19	− 1 39.1	1.793	2.779	3.7	20.0
4 1	12 38.57	− 0 47.2	1.785	2.783	1.4	19.9
4 11	12 30.08	+ 0 0.8	1.806	2.787	5.2	20.1
4 21	12 22.61	+ 0 39.7	1.853	2.790	9.2	20.4
5 1	12 16.90	+ 1 5.3	1.925	2.793	12.7	20.6

437221 2012 WF_{25} 3 31.2 141.°17 6.°8/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.61	+18 0.2	2.592	3.397	11.1	21.1
3 2	12 59.43	+19 7.8	2.528	3.402	9.2	21.0
3 12	12 53.52	+20 11.3	2.489	3.407	7.5	20.9
3 22	12 46.37	+21 4.4	2.476	3.411	6.8	20.8
4 1	12 38.64	+21 41.7	2.491	3.416	7.4	20.9
4 11	12 31.09	+21 59.6	2.532	3.420	9.0	21.0
4 21	12 24.38	+21 56.8	2.598	3.424	11.0	21.1
5 1	12 19.07	+21 34.1	2.685	3.428	12.9	21.3

224684 2006 AU_{83} 3 31.2 122.°15 7.°1/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.99	+14 46.7	2.170	2.981	12.8	20.9
3 2	13 0.78	+16 16.9	2.113	2.995	10.3	20.8
3 12	12 54.56	+17 44.9	2.081	3.009	8.1	20.7
3 22	12 46.91	+19 2.7	2.075	3.022	7.1	20.6
4 1	12 38.60	+20 3.1	2.097	3.035	7.9	20.7
4 11	12 30.54	+20 41.0	2.146	3.047	9.8	20.8
4 21	12 23.52	+20 54.8	2.219	3.059	12.1	21.0
5 1	12 18.15	+20 45.3	2.312	3.070	14.3	21.2

183963 2004 DJ_{64} 3 31.2 322.°01 0.°1/30.2 13 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 41.97	− 1 48.7	40.172	40.946	0.9	23.0
3 2	12 41.37	− 1 44.5	40.072	40.945	0.7	23.0
3 12	12 40.70	− 1 39.9	39.999	40.943	0.4	23.0
3 22	12 39.96	− 1 35.0	39.955	40.941	0.2	22.9
4 1	12 39.21	− 1 30.1	39.941	40.939	0.1	22.9
4 11	12 38.45	− 1 25.4	39.956	40.937	0.3	22.9
4 21	12 37.72	− 1 20.9	40.001	40.935	0.5	23.0
5 1	12 37.05	− 1 16.9	40.074	40.933	0.7	23.0

434801 2006 RJ_{52} 3 31.2 191.°37 0.°4/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.74	− 4 49.2	2.805	3.575	11.2	22.2
3 2	12 58.66	− 4 29.5	2.707	3.574	8.8	22.0
3 12	12 53.00	− 4 1.1	2.632	3.572	6.0	21.8
3 22	12 46.15	− 3 26.3	2.586	3.570	2.9	21.6
4 1	12 38.67	− 2 48.6	2.569	3.567	0.5	21.4
4 11	12 31.24	− 2 11.8	2.582	3.565	3.7	21.7
4 21	12 24.47	− 1 39.7	2.624	3.561	6.8	21.9
5 1	12 18.91	− 1 15.3	2.693	3.558	9.6	22.0

178085 2006 ST_{178} 3 31.2 153.°46 0.°1/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.94	− 6 24.5	2.848	3.614	11.2	22.2
3 2	12 57.97	− 5 59.0	2.757	3.621	8.8	22.0
3 12	12 52.48	− 5 23.8	2.690	3.628	6.0	21.8
3 22	12 45.87	− 4 41.5	2.650	3.634	3.0	21.6
4 1	12 38.71	− 3 55.4	2.640	3.639	0.3	21.4
4 11	12 31.63	− 3 9.7	2.661	3.645	3.5	21.7
4 21	12 25.23	− 2 28.4	2.710	3.650	6.5	21.9
5 1	12 20.02	− 1 54.6	2.787	3.654	9.2	22.1

494696 2004 RN_{335} 3 31.2 277.°15 5.°4/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 10.68	+ 5 45.6	1.774	2.579	15.4	23.6
3 2	13 6.49	+ 6 47.5	1.653	2.540	12.4	23.4
3 12	12 59.38	+ 7 59.5	1.555	2.501	8.9	23.1
3 22	12 49.73	+ 9 14.5	1.483	2.460	5.9	22.8
4 1	12 38.35	+10 23.3	1.438	2.417	6.1	22.7
4 11	12 26.48	+11 16.3	1.421	2.374	9.7	22.8
4 21	12 15.47	+11 46.5	1.429	2.329	14.1	22.9
5 1	12 6.51	+11 50.4	1.459	2.283	18.3	23.1

165697 2001 PR_{34} 3 31.2 139.°00 3.°8/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.07	−20 32.8	2.919	3.611	12.5	20.9
3 2	12 58.92	−20 36.9	2.824	3.623	10.5	20.7
3 12	12 53.16	−20 25.4	2.750	3.635	8.2	20.6
3 22	12 46.22	−19 58.4	2.701	3.646	5.8	20.4
4 1	12 38.68	−19 17.4	2.681	3.656	4.0	20.3
4 11	12 31.23	−18 25.6	2.690	3.666	4.1	20.3
4 21	12 24.49	−17 27.6	2.728	3.676	6.1	20.5
5 1	12 19.00	−16 28.5	2.794	3.685	8.4	20.6

111825 2002 DJ_{15} 3 31.2 162.°01 0.°9/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.25	− 3 49.8	2.813	3.592	11.0	20.4
3 2	12 56.70	− 3 9.7	2.722	3.595	8.6	20.2
3 12	12 51.63	− 2 20.6	2.655	3.599	5.8	20.1
3 22	12 45.47	− 1 25.8	2.616	3.602	2.7	19.9
4 1	12 38.75	− 0 29.3	2.607	3.605	1.1	19.7
4 11	12 32.11	+ 0 24.3	2.628	3.607	4.0	19.9
4 21	12 26.12	+ 1 10.8	2.678	3.610	7.0	20.1
5 1	12 21.30	+ 1 47.2	2.754	3.611	9.6	20.3

91407 1999 NM_{11} 3 31.2 299.°11 4.°7/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.13	−16 18.7	1.818	2.567	17.2	19.2
3 2	13 1.11	−16 52.9	1.708	2.548	14.5	18.9
3 12	12 55.49	−17 9.0	1.618	2.530	11.2	18.7
3 22	12 47.70	−17 5.5	1.550	2.512	7.6	18.4
4 1	12 38.54	−16 42.5	1.508	2.494	4.9	18.2
4 11	12 29.16	−16 3.6	1.493	2.476	5.8	18.2
4 21	12 20.73	−15 15.2	1.503	2.458	9.3	18.4
5 1	12 14.26	−14 24.9	1.537	2.441	13.2	18.5

303346 2004 TB_{222} 3 31.2 179.°00 4.°9/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.44	+ 6 4.1	1.885	2.691	14.6	21.3
3 2	13 3.91	+ 7 7.3	1.805	2.693	11.5	21.1
3 12	12 56.97	+ 8 16.3	1.749	2.695	8.1	20.9
3 22	12 48.21	+ 9 23.9	1.719	2.695	5.3	20.8
4 1	12 38.52	+10 22.2	1.717	2.695	5.5	20.8
4 11	12 28.98	+11 4.3	1.743	2.694	8.4	20.9
4 21	12 20.59	+11 26.3	1.795	2.693	11.8	21.1
5 1	12 14.11	+11 26.7	1.869	2.690	14.9	21.3

373491 2000 WQ_{71} 3 31.2 132.°29 3.°1/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.48	−16 24.6	2.384	3.109	14.2	22.0
3 2	13 1.12	−16 25.1	2.295	3.123	11.7	21.8
3 12	12 54.82	−16 9.1	2.228	3.136	8.8	21.6
3 22	12 47.09	−15 37.2	2.186	3.149	5.7	21.4
4 1	12 38.63	−14 51.6	2.173	3.161	3.3	21.3
4 11	12 30.30	−13 56.9	2.188	3.172	4.1	21.4
4 21	12 22.87	−12 58.7	2.232	3.183	7.0	21.6
5 1	12 16.98	−12 2.6	2.303	3.194	10.0	21.8

140756 2001 UR_{118} 3 31.2 204.°33 2.°8/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.01	+ 4 21.2	3.007	3.797	10.1	21.9
3 2	12 58.76	+ 5 1.8	2.911	3.791	7.9	21.8
3 12	12 53.01	+ 5 46.4	2.841	3.785	5.4	21.6
3 22	12 46.15	+ 6 31.2	2.799	3.778	3.2	21.4
4 1	12 38.71	+ 7 12.1	2.788	3.771	3.1	21.4
4 11	12 31.30	+ 7 45.2	2.806	3.764	5.2	21.5
4 21	12 24.53	+ 8 7.6	2.853	3.755	7.7	21.7
5 1	12 18.88	+ 8 17.6	2.925	3.747	10.1	21.9

115517 2003 UL_{37} 3 31.2 128.°97 4.°7/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.98	−22 11.4	2.491	3.184	14.4	19.3
3 2	12 59.97	−22 20.7	2.399	3.196	12.2	19.2
3 12	12 54.05	−22 11.2	2.327	3.207	9.7	19.0
3 22	12 46.72	−21 42.5	2.280	3.219	7.0	18.8
4 1	12 38.66	−20 56.0	2.259	3.230	5.0	18.7
4 11	12 30.71	−19 55.6	2.267	3.240	5.0	18.8
4 21	12 23.62	−18 46.8	2.303	3.250	7.0	18.9
5 1	12 18.03	−17 36.2	2.365	3.260	9.6	19.1

346921 2009 XM_{21} 3 31.2 82.°79 3.°1/28.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.08	+ 1 31.9	1.945	2.753	14.2	20.8
3 2	12 59.62	+ 2 19.3	1.865	2.755	11.0	20.6
3 12	12 53.99	+ 3 15.2	1.808	2.758	7.5	20.4
3 22	12 46.74	+ 4 14.0	1.777	2.760	4.1	20.2
4 1	12 38.66	+ 5 9.2	1.773	2.763	3.5	20.2
4 11	12 30.72	+ 5 54.2	1.797	2.766	6.6	20.4
4 21	12 23.79	+ 6 24.5	1.848	2.768	10.2	20.6
5 1	12 18.58	+ 6 37.3	1.921	2.771	13.5	20.8

53729 2000 EF_{37} 3 31.2 33.°02 0.°8/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.56	− 7 52.9	1.232	2.051	20.1	18.6
3 2	12 58.86	− 6 57.2	1.162	2.056	15.9	18.4
3 12	12 54.11	− 5 36.5	1.110	2.062	10.9	18.1
3 22	12 46.98	− 3 57.1	1.081	2.068	5.2	17.8
4 1	12 38.64	− 2 9.2	1.076	2.075	1.2	17.5
4 11	12 30.53	− 0 26.2	1.096	2.082	6.8	17.9
4 21	12 23.94	+ 1 0.3	1.140	2.089	12.2	18.2
5 1	12 19.84	+ 2 2.6	1.205	2.097	16.9	18.5

242444 2004 PR_{67} 3 31.2 294.°12 2.°5/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.44	−14 24.9	2.412	3.157	13.5	20.2
3 2	12 57.31	−14 22.4	2.307	3.149	11.1	20.0
3 12	12 52.33	−14 4.5	2.224	3.142	8.3	19.8
3 22	12 45.92	−13 32.0	2.165	3.134	5.1	19.6
4 1	12 38.73	−12 47.1	2.135	3.127	2.6	19.4
4 11	12 31.52	−11 54.2	2.133	3.120	3.9	19.5
4 21	12 25.06	−10 58.7	2.159	3.113	7.0	19.7
5 1	12 19.99	−10 5.9	2.211	3.105	10.2	19.8

278512 2008 CL_{39} 3 31.2 130.°15 2.°6/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.51	− 1 19.9	1.843	2.645	15.1	21.3
3 2	13 0.81	− 0 18.9	1.768	2.654	11.7	21.1
3 12	12 54.83	+ 0 54.1	1.714	2.664	7.9	20.9
3 22	12 47.15	+ 2 13.1	1.687	2.672	4.0	20.6
4 1	12 38.63	+ 3 30.3	1.688	2.681	3.0	20.6
4 11	12 30.31	+ 4 38.1	1.717	2.689	6.5	20.8
4 21	12 23.11	+ 5 30.3	1.772	2.697	10.4	21.1
5 1	12 17.75	+ 6 3.6	1.851	2.704	13.8	21.3

39383 2765 *P–L* 3 31.2 135.°20 0.°1/31.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.12	− 6 36.9	2.288	3.059	13.4	20.7
3 2	13 0.82	− 6 12.8	2.204	3.071	10.6	20.5
3 12	12 54.61	− 5 36.9	2.144	3.082	7.3	20.3
3 22	12 46.98	− 4 51.9	2.109	3.093	3.6	20.1
4 1	12 38.65	− 4 2.4	2.104	3.103	0.3	19.8
4 11	12 30.47	− 3 13.4	2.129	3.113	4.2	20.2
4 21	12 23.20	− 2 29.9	2.181	3.123	7.7	20.4
5 1	12 17.47	− 1 56.0	2.260	3.131	10.9	20.6

520957 2014 YN_{59} 3 31.2 293.°34 8.°1/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.87	−24 58.2	1.842	2.544	18.5	21.2
3 2	13 1.09	−25 52.4	1.731	2.526	16.3	21.0
3 12	12 55.60	−26 24.3	1.639	2.509	13.6	20.8
3 22	12 47.81	−26 29.9	1.566	2.492	10.7	20.5
4 1	12 38.56	−26 6.8	1.518	2.474	8.6	20.4
4 11	12 29.05	−25 17.0	1.494	2.457	8.3	20.3
4 21	12 20.51	−24 6.5	1.495	2.440	10.3	20.4
5 1	12 14.04	−22 44.8	1.520	2.423	13.4	20.5

35032 1981 EL_{26} 3 31.2 314.°75 2.°4/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.92	− 8 11.0	1.337	2.137	19.8	18.4
3 2	13 4.22	− 8 52.7	1.239	2.118	16.2	18.1
3 12	12 58.18	− 9 20.5	1.160	2.100	11.8	17.7
3 22	12 49.24	− 9 33.8	1.102	2.083	6.7	17.4
4 1	12 38.43	− 9 34.0	1.069	2.066	2.5	17.1
4 11	12 27.31	− 9 25.6	1.060	2.050	6.2	17.3
4 21	12 17.49	− 9 14.7	1.075	2.034	11.7	17.5
5 1	12 10.32	− 9 8.2	1.112	2.019	16.8	17.8

419086 2009 SV_{127} 3 31.2 176.°74 5.°0/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.38	−21 37.7	2.477	3.166	14.5	21.8
3 2	13 2.76	−22 4.3	2.375	3.169	12.4	21.6
3 12	12 56.07	−22 13.6	2.292	3.171	9.9	21.4
3 22	12 47.78	−22 4.0	2.234	3.172	7.3	21.3
4 1	12 38.59	−21 36.1	2.204	3.172	5.3	21.2
4 11	12 29.40	−20 52.8	2.202	3.172	5.4	21.2
4 21	12 21.05	−19 59.1	2.228	3.172	7.4	21.3
5 1	12 14.27	−19 1.2	2.281	3.170	10.1	21.4

87659 2000 RD_{94} 3 31.2 163.°20 1.°0/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.03	−10 45.0	3.030	3.776	11.0	21.0
3 2	12 57.22	−10 22.5	2.932	3.781	8.8	20.8
3 12	12 51.96	− 9 48.7	2.859	3.786	6.2	20.7
3 22	12 45.63	− 9 5.3	2.813	3.790	3.4	20.5
4 1	12 38.78	− 8 15.3	2.796	3.794	1.0	20.3
4 11	12 31.98	− 7 22.5	2.810	3.797	3.0	20.4
4 21	12 25.81	− 6 31.0	2.854	3.800	5.9	20.6
5 1	12 20.75	− 5 44.8	2.925	3.803	8.5	20.8

125347 2001 VN_{55} 3 31.2 98.°38 3.°5/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.04	−15 10.5	1.550	2.312	19.2	20.1
3 2	13 3.38	−15 13.9	1.474	2.326	15.7	19.9
3 12	12 56.91	−14 54.4	1.417	2.340	11.6	19.7
3 22	12 48.27	−14 12.4	1.383	2.353	7.2	19.5
4 1	12 38.55	−13 11.9	1.374	2.367	3.7	19.3
4 11	12 29.07	−12 0.3	1.392	2.380	5.3	19.4
4 21	12 21.00	−10 46.8	1.436	2.392	9.5	19.7
5 1	12 15.24	− 9 40.3	1.504	2.405	13.6	20.0

248163 2004 VW_{53} 3 31.2 167.°66 3.°6/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.15	+ 5 39.0	2.514	3.310	11.7	21.4
3 2	13 0.68	+ 6 28.8	2.432	3.315	9.1	21.2
3 12	12 54.42	+ 7 22.4	2.375	3.319	6.3	21.1
3 22	12 46.87	+ 8 15.1	2.346	3.323	4.0	20.9
4 1	12 38.68	+ 9 1.4	2.346	3.326	4.0	20.9
4 11	12 30.60	+ 9 36.6	2.375	3.328	6.3	21.1
4 21	12 23.35	+ 9 57.8	2.432	3.330	9.1	21.3
5 1	12 17.50	+10 3.3	2.514	3.331	11.7	21.4

289474 2005 EV_{75} 3 31.2 42.°52 0.°1/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.79	− 6 41.8	2.065	2.849	14.3	21.3
3 2	12 58.54	− 6 16.3	1.976	2.850	11.3	21.1
3 12	12 53.24	− 5 37.4	1.910	2.852	7.8	20.8
3 22	12 46.38	− 4 48.1	1.869	2.854	3.8	20.6
4 1	12 38.71	− 3 53.3	1.856	2.855	0.4	20.3
4 11	12 31.13	− 2 59.0	1.872	2.857	4.5	20.6
4 21	12 24.48	− 2 10.8	1.914	2.859	8.4	20.9
5 1	12 19.42	− 1 33.5	1.982	2.861	11.9	21.1

389970 2012 TU_{218} 3 31.2 84.°29 4.°3/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.21	+ 7 59.7	2.324	3.127	12.3	20.8
3 2	13 0.72	+ 8 43.9	2.262	3.147	9.6	20.7
3 12	12 54.42	+ 9 29.6	2.223	3.166	6.8	20.5
3 22	12 46.83	+10 11.6	2.212	3.186	4.6	20.4
4 1	12 38.69	+10 44.5	2.230	3.205	4.7	20.5
4 11	12 30.81	+11 4.3	2.276	3.224	6.9	20.6
4 21	12 23.89	+11 8.8	2.349	3.242	9.6	20.8
5 1	12 18.49	+10 57.5	2.445	3.261	12.0	21.0

186042 2001 RJ_{155} 3 31.2 225.°81 3.°3/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.93	+ 4 5.2	2.315	3.107	12.7	22.1
3 2	13 3.19	+ 4 43.1	2.214	3.095	10.0	21.9
3 12	12 56.37	+ 5 26.5	2.137	3.082	6.9	21.7
3 22	12 47.93	+ 6 10.8	2.088	3.068	4.0	21.5
4 1	12 38.59	+ 6 50.5	2.068	3.054	3.7	21.5
4 11	12 29.24	+ 7 20.4	2.077	3.039	6.4	21.6
4 21	12 20.72	+ 7 36.7	2.114	3.023	9.7	21.8
5 1	12 13.77	+ 7 37.4	2.176	3.006	12.8	21.9

410378 2007 VW_{216} 3 31.2 159.°04 1.°4/30.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.67	− 2 51.5	1.844	2.635	15.5	22.3
3 2	13 3.37	− 2 23.6	1.760	2.640	12.2	22.1
3 12	12 56.66	− 1 44.0	1.699	2.644	8.2	21.8
3 22	12 48.09	− 0 56.9	1.663	2.649	4.0	21.6
4 1	12 38.58	− 0 8.1	1.655	2.652	1.7	21.4
4 11	12 29.21	+ 0 35.9	1.675	2.655	5.7	21.7
4 21	12 20.99	+ 1 9.6	1.722	2.658	9.8	21.9
5 1	12 14.69	+ 1 29.1	1.794	2.660	13.5	22.2

298961 2004 VY_6 3 31.2 78.°31 1.°0/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.85	− 5 43.3	1.475	2.275	18.2	20.6
3 2	13 3.05	− 4 58.3	1.415	2.299	14.3	20.4
3 12	12 56.51	− 3 56.2	1.375	2.322	9.6	20.2
3 22	12 48.00	− 2 43.0	1.360	2.346	4.6	19.9
4 1	12 38.62	− 1 26.6	1.371	2.369	1.4	19.7
4 11	12 29.67	− 0 16.5	1.409	2.392	6.1	20.1
4 21	12 22.21	+ 0 39.9	1.473	2.415	10.7	20.4
5 1	12 17.03	+ 1 18.0	1.559	2.437	14.6	20.7

340736 2006 SD_{172} 3 31.2 80.°55 0.°3/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.48	− 8 2.2	2.299	3.076	13.2	21.5
3 2	12 56.45	− 7 7.4	2.217	3.087	10.4	21.3
3 12	12 51.64	− 5 58.3	2.157	3.098	7.1	21.1
3 22	12 45.54	− 4 38.8	2.124	3.109	3.4	20.9
4 1	12 38.82	− 3 14.4	2.121	3.120	0.5	20.7
4 11	12 32.24	− 1 51.8	2.147	3.131	4.2	21.0
4 21	12 26.49	− 0 37.1	2.201	3.141	7.7	21.2
5 1	12 22.14	+ 0 24.9	2.281	3.152	10.8	21.5

313621 2003 QP_{109} 3 31.2 255.°53 4.°0/27.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.36	+ 2 27.1	1.909	2.713	14.5	21.6
3 2	13 2.58	+ 3 30.2	1.803	2.690	11.5	21.3
3 12	12 56.35	+ 4 44.3	1.719	2.667	8.0	21.1
3 22	12 48.09	+ 6 3.3	1.661	2.643	4.7	20.8
4 1	12 38.61	+ 7 19.3	1.632	2.617	4.5	20.7
4 11	12 28.97	+ 8 23.8	1.630	2.592	7.9	20.9
4 21	12 20.24	+ 9 10.4	1.655	2.565	11.9	21.1
5 1	12 13.34	+ 9 35.1	1.702	2.537	15.6	21.2

150562 2000 SR_{249} 3 31.2 285.°94 2.°0/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.07	− 3 18.6	1.816	2.619	15.2	20.3
3 2	12 58.49	− 2 23.1	1.712	2.600	12.0	20.1
3 12	12 53.55	− 1 11.6	1.630	2.580	8.1	19.8
3 22	12 46.71	+ 0 10.9	1.574	2.560	4.0	19.5
4 1	12 38.73	+ 1 37.3	1.545	2.540	2.4	19.3
4 11	12 30.67	+ 2 58.4	1.543	2.520	6.5	19.5
4 21	12 23.52	+ 4 6.6	1.568	2.500	10.9	19.7
5 1	12 18.17	+ 4 55.8	1.615	2.480	14.8	19.9

132433 2002 GZ_{162} 3 31.2 233.°72 0.°2/31.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.34	− 7 41.4	1.863	2.645	15.7	20.4
3 2	13 0.96	− 7 2.6	1.762	2.634	12.5	20.2
3 12	12 55.18	− 6 6.4	1.682	2.623	8.7	19.9
3 22	12 47.48	− 4 55.8	1.627	2.612	4.3	19.6
4 1	12 38.68	− 3 36.7	1.601	2.600	0.5	19.3
4 11	12 29.84	− 2 17.1	1.602	2.587	5.2	19.6
4 21	12 21.99	− 1 5.0	1.631	2.574	9.7	19.9
5 1	12 15.97	− 0 6.8	1.684	2.561	13.7	20.1

277769 2006 DG_{172} 3 31.2 178.°27 2.°0/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.96	− 1 56.2	2.111	2.908	13.6	21.0
3 2	12 58.61	− 1 4.0	2.024	2.909	10.6	20.8
3 12	12 53.27	− 0 0.7	1.961	2.909	7.1	20.6
3 22	12 46.41	+ 1 9.0	1.924	2.909	3.5	20.4
4 1	12 38.78	+ 2 18.8	1.915	2.909	2.4	20.3
4 11	12 31.23	+ 3 21.9	1.935	2.909	5.7	20.5
4 21	12 24.59	+ 4 13.0	1.982	2.909	9.3	20.7
5 1	12 19.50	+ 4 48.2	2.053	2.908	12.5	20.9

409839 2006 QQ_{167} 3 31.2 182.°21 4.°6/25.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.56	+ 3 47.2	1.975	2.785	13.9	22.0
3 2	13 0.02	+ 5 20.8	1.894	2.785	10.8	21.8
3 12	12 54.31	+ 7 3.6	1.838	2.786	7.5	21.6
3 22	12 46.95	+ 8 48.0	1.808	2.786	4.9	21.4
4 1	12 38.74	+10 24.8	1.808	2.785	5.3	21.4
4 11	12 30.64	+11 45.8	1.835	2.784	8.2	21.6
4 21	12 23.52	+12 45.3	1.889	2.782	11.5	21.8
5 1	12 18.12	+13 20.9	1.965	2.780	14.6	22.0

94436 2001 TP_{46} 3 31.2 66.°93 16.°2/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 23.35	+33 54.4	1.377	2.161	20.1	19.0
3 2	13 16.20	+35 19.7	1.356	2.185	18.1	18.9
3 12	13 5.38	+36 18.7	1.353	2.210	16.7	18.9
3 22	12 52.16	+36 39.2	1.369	2.235	16.2	18.9
4 1	12 38.35	+36 13.9	1.407	2.260	16.8	19.0
4 11	12 25.79	+35 3.6	1.464	2.284	18.1	19.2
4 21	12 15.80	+33 15.4	1.541	2.309	19.8	19.3
5 1	12 9.07	+30 59.1	1.634	2.333	21.4	19.5

15499 Cloyd 3 31.2 100.°37 2.°9/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.82	+ 1 1.9	2.249	3.052	12.7	17.8
3 2	12 57.51	+ 2 7.2	2.172	3.061	9.8	17.7
3 12	12 52.39	+ 3 20.9	2.120	3.069	6.6	17.5
3 22	12 45.93	+ 4 37.3	2.095	3.078	3.6	17.3
4 1	12 38.83	+ 5 50.1	2.098	3.087	3.3	17.3
4 11	12 31.88	+ 6 53.0	2.131	3.095	6.1	17.5
4 21	12 25.78	+ 7 41.4	2.190	3.103	9.2	17.7
5 1	12 21.13	+ 8 12.7	2.274	3.112	12.1	17.9

319389 2006 EK_{33} 3 31.2 183.°79 1.°4/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.15	−10 33.5	2.250	3.009	14.0	21.4
3 2	13 0.28	−10 25.8	2.154	3.009	11.3	21.2
3 12	12 54.40	−10 4.0	2.080	3.009	8.1	20.9
3 22	12 46.99	− 9 29.7	2.031	3.009	4.5	20.7
4 1	12 38.74	− 8 46.0	2.011	3.008	1.4	20.5
4 11	12 30.55	− 7 57.9	2.019	3.007	3.9	20.7
4 21	12 23.21	− 7 10.7	2.056	3.006	7.6	20.9
5 1	12 17.42	− 6 29.6	2.119	3.004	10.9	21.1

140662 2001 UU_{43} 3 31.2 39.°24 2.°2/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.39	− 1 43.8	1.664	2.473	16.1	19.9
3 2	13 0.27	− 1 4.6	1.586	2.477	12.6	19.7
3 12	12 54.67	− 0 13.2	1.530	2.480	8.5	19.5
3 22	12 47.18	+ 0 45.3	1.498	2.485	4.2	19.2
4 1	12 38.73	+ 1 43.8	1.493	2.489	2.5	19.1
4 11	12 30.44	+ 2 34.4	1.515	2.493	6.4	19.4
4 21	12 23.33	+ 3 11.4	1.563	2.498	10.7	19.6
5 1	12 18.21	+ 3 30.9	1.633	2.503	14.5	19.9

331895 2004 NW 3 31.3 241.°28 2.°7/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.75	+ 0 20.8	2.181	2.978	13.2	21.4
3 2	13 0.09	+ 1 14.3	2.080	2.964	10.3	21.2
3 12	12 54.36	+ 2 18.0	2.002	2.950	7.0	21.0
3 22	12 47.01	+ 3 26.7	1.951	2.935	3.7	20.7
4 1	12 38.75	+ 4 34.4	1.929	2.919	3.1	20.7
4 11	12 30.46	+ 5 34.1	1.935	2.903	6.2	20.8
4 21	12 22.98	+ 6 20.7	1.969	2.887	9.8	21.0
5 1	12 17.06	+ 6 50.4	2.027	2.870	13.1	21.2

455240 2001 SJ_{208} 3 31.3 192.°41 0.°4/31.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 11.00	− 6 30.0	1.857	2.630	16.0	22.2
3 2	13 6.16	− 6 27.8	1.762	2.628	12.8	22.0
3 12	12 58.71	− 6 12.5	1.689	2.626	9.0	21.7
3 22	12 49.22	− 5 46.2	1.641	2.623	4.5	21.5
4 1	12 38.57	− 5 12.8	1.621	2.620	0.4	21.1
4 11	12 27.95	− 4 37.9	1.630	2.616	5.0	21.5
4 21	12 18.46	− 4 7.1	1.666	2.611	9.5	21.7
5 1	12 10.99	− 3 45.5	1.727	2.605	13.4	21.9

381502 2008 SG_{124} 3 31.3 128.°23 1.°3/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.82	−10 42.5	2.141	2.905	14.5	22.0
3 2	12 59.31	−10 25.7	2.051	2.910	11.6	21.8
3 12	12 53.76	− 9 53.5	1.983	2.915	8.2	21.6
3 22	12 46.67	− 9 8.0	1.940	2.919	4.5	21.4
4 1	12 38.79	− 8 13.1	1.926	2.924	1.3	21.1
4 11	12 31.01	− 7 14.4	1.940	2.928	4.0	21.3
4 21	12 24.14	− 6 18.0	1.982	2.932	7.8	21.6
5 1	12 18.86	− 5 29.2	2.049	2.936	11.2	21.8

363749 2005 AS_{11} 3 31.3 117.°85 1.°4/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.82	− 3 9.0	1.778	2.568	16.0	21.9
3 2	13 4.23	− 2 35.7	1.706	2.585	12.5	21.7
3 12	12 57.20	− 1 50.3	1.656	2.602	8.4	21.5
3 22	12 48.36	− 0 57.5	1.632	2.617	4.0	21.2
4 1	12 38.67	− 0 3.6	1.635	2.633	1.7	21.1
4 11	12 29.27	+ 0 44.7	1.667	2.647	5.7	21.4
4 21	12 21.12	+ 1 21.7	1.726	2.661	9.9	21.7
5 1	12 14.99	+ 1 43.9	1.809	2.674	13.5	21.9

337727 2001 UG_{60} 3 31.3 72.°34 1.°6/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.42	−12 30.8	2.253	3.009	14.1	20.5
3 2	12 57.99	−12 7.3	2.175	3.027	11.3	20.3
3 12	12 52.72	−11 27.9	2.119	3.046	8.1	20.1
3 22	12 46.10	−10 35.0	2.089	3.065	4.6	19.9
4 1	12 38.86	− 9 32.6	2.087	3.083	1.6	19.8
4 11	12 31.80	− 8 26.3	2.114	3.102	3.7	19.9
4 21	12 25.65	− 7 22.2	2.169	3.120	7.1	20.2
5 1	12 20.98	− 6 25.4	2.250	3.139	10.2	20.4

503726 2016 JV_{38} 3 31.3 213.°22 6.°1/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.38	+13 3.0	2.411	3.216	11.8	21.1
3 2	13 1.08	+14 12.4	2.328	3.209	9.5	20.9
3 12	12 54.87	+15 21.8	2.269	3.201	7.3	20.7
3 22	12 47.20	+16 24.8	2.238	3.193	6.1	20.6
4 1	12 38.77	+17 14.9	2.235	3.185	6.7	20.7
4 11	12 30.42	+17 46.9	2.260	3.176	8.7	20.8
4 21	12 22.91	+17 58.5	2.310	3.166	11.2	20.9
5 1	12 16.89	+17 49.2	2.382	3.156	13.5	21.1

70591 1999 TU_{175} 3 31.3 41.°94 0.°4/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.26	− 3 52.3	1.384	2.191	18.9	18.9
3 2	13 4.57	− 3 59.5	1.315	2.202	14.9	18.6
3 12	12 57.85	− 3 53.8	1.265	2.213	10.2	18.4
3 22	12 48.82	− 3 38.4	1.238	2.224	5.0	18.1
4 1	12 38.64	− 3 18.2	1.237	2.236	0.7	17.8
4 11	12 28.75	− 2 59.8	1.262	2.249	6.0	18.2
4 21	12 20.41	− 2 48.6	1.312	2.261	10.9	18.5
5 1	12 14.56	− 2 48.8	1.383	2.274	15.2	18.8

498800 2008 UV_{260} 3 31.3 172.°79 3.°1/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.53	+ 3 7.2	2.279	3.077	12.6	22.0
3 2	13 0.44	+ 3 48.6	2.194	3.079	9.9	21.8
3 12	12 54.43	+ 4 35.8	2.134	3.081	6.7	21.6
3 22	12 46.97	+ 5 24.2	2.100	3.082	3.8	21.4
4 1	12 38.79	+ 6 8.3	2.095	3.083	3.5	21.4
4 11	12 30.72	+ 6 42.9	2.119	3.083	6.1	21.6
4 21	12 23.53	+ 7 4.4	2.170	3.083	9.3	21.7
5 1	12 17.85	+ 7 10.7	2.246	3.083	12.2	21.9

87700 2000 SE_{18} 3 31.3 129.°18 4.°9/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.29	−17 26.8	2.034	2.758	16.3	19.9
3 2	13 4.70	−18 13.0	1.941	2.763	13.7	19.7
3 12	12 57.66	−18 42.7	1.869	2.768	10.7	19.5
3 22	12 48.70	−18 54.1	1.820	2.773	7.4	19.4
4 1	12 38.65	−18 47.3	1.799	2.778	5.1	19.2
4 11	12 28.62	−18 25.3	1.805	2.782	5.6	19.3
4 21	12 19.64	−17 53.2	1.839	2.787	8.4	19.4
5 1	12 12.56	−17 17.3	1.897	2.791	11.6	19.6

97969 2000 QE_{150} 3 31.3 84.°93 3.°8/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.38	−15 41.8	1.541	2.305	19.2	19.3
3 2	13 2.23	−15 50.1	1.461	2.312	15.9	19.1
3 12	12 56.25	−15 35.1	1.399	2.320	11.9	18.9
3 22	12 48.07	−14 56.9	1.359	2.328	7.5	18.6
4 1	12 38.73	−13 58.8	1.344	2.336	4.0	18.5
4 11	12 29.53	−12 47.9	1.356	2.344	5.5	18.6
4 21	12 21.69	−11 33.6	1.393	2.351	9.6	18.8
5 1	12 16.13	−10 25.0	1.454	2.359	13.7	19.1

8561 Sikoruk 3 31.3 166.°53 0.°6/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.74	− 4 34.8	2.983	3.753	10.6	19.2
3 2	12 57.80	− 4 3.7	2.890	3.758	8.3	19.1
3 12	12 52.39	− 3 24.1	2.821	3.762	5.6	18.9
3 22	12 45.92	− 2 38.7	2.781	3.765	2.7	18.7
4 1	12 38.92	− 1 50.9	2.770	3.769	0.7	18.5
4 11	12 31.98	− 1 5.0	2.790	3.771	3.6	18.8
4 21	12 25.67	− 0 24.5	2.839	3.774	6.5	18.9
5 1	12 20.49	+ 0 7.6	2.915	3.775	9.1	19.1

172877 2005 EL_{175} 3 31.3 204.°93 1.°8/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.89	−11 20.8	1.981	2.740	15.6	20.7
3 2	13 2.83	−11 17.5	1.882	2.736	12.7	20.5
3 12	12 56.40	−10 57.9	1.803	2.731	9.2	20.3
3 22	12 48.10	−10 23.1	1.750	2.726	5.2	20.0
4 1	12 38.74	− 9 36.2	1.724	2.721	1.9	19.8
4 11	12 29.38	− 8 43.0	1.727	2.715	4.5	19.9
4 21	12 21.00	− 7 49.7	1.757	2.708	8.6	20.2
5 1	12 14.44	− 7 2.8	1.813	2.701	12.4	20.4

350357 2012 UO_{124} 3 31.3 60.°66 1.°1/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.34	− 9 25.7	2.266	3.032	13.7	20.5
3 2	12 58.83	− 9 18.0	2.174	3.035	11.0	20.3
3 12	12 53.40	− 8 57.3	2.105	3.038	7.7	20.1
3 22	12 46.52	− 8 25.2	2.061	3.041	4.2	19.9
4 1	12 38.88	− 7 45.3	2.045	3.044	1.1	19.6
4 11	12 31.30	− 7 2.1	2.059	3.047	3.9	19.8
4 21	12 24.57	− 6 20.8	2.100	3.049	7.4	20.1
5 1	12 19.33	− 5 46.0	2.166	3.052	10.7	20.3

523770 2014 XO_{40} 3 31.3 354.°77 0.°5/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 44.55	−14 57.1	17.657	18.365	2.2	20.8
3 2	12 43.49	−14 49.7	17.531	18.349	1.8	20.8
3 12	12 42.22	−14 40.2	17.431	18.333	1.3	20.7
3 22	12 40.81	−14 28.8	17.358	18.316	0.9	20.7
4 1	12 39.34	−14 15.9	17.314	18.300	0.5	20.6
4 11	12 37.87	−14 2.0	17.301	18.284	0.6	20.6
4 21	12 36.47	−13 47.4	17.316	18.267	1.0	20.7
5 1	12 35.21	−13 32.8	17.361	18.251	1.5	20.7

462630 2009 QL_{58} 3 31.3 337.°22 0.°3/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.78	− 4 17.1	1.642	2.433	17.1	20.8
3 2	13 5.56	− 4 41.7	1.552	2.429	13.7	20.6
3 12	12 58.52	− 4 56.3	1.483	2.425	9.5	20.3
3 22	12 49.23	− 5 2.5	1.438	2.422	4.8	20.0
4 1	12 38.66	− 5 3.2	1.420	2.419	0.4	19.7
4 11	12 28.12	− 5 2.8	1.430	2.417	5.3	20.0
4 21	12 18.81	− 5 5.6	1.466	2.415	10.1	20.3
5 1	12 11.73	− 5 15.4	1.525	2.413	14.3	20.5

20390 1998 KK_{55} 3 31.3 121.°44 0.°7/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.15	− 6 34.6	1.991	2.779	14.6	18.4
3 2	12 58.14	− 5 42.8	1.905	2.782	11.5	18.2
3 12	12 53.05	− 4 35.4	1.841	2.785	7.8	18.0
3 22	12 46.38	− 3 16.8	1.802	2.788	3.7	17.8
4 1	12 38.90	− 1 53.3	1.792	2.791	1.0	17.5
4 11	12 31.52	− 0 32.7	1.811	2.793	5.0	17.8
4 21	12 25.10	+ 0 38.3	1.856	2.796	9.0	18.1
5 1	12 20.31	+ 1 34.2	1.927	2.798	12.5	18.3

502673 2015 CR_{54} 3 31.3 127.°09 2.°5/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.03	−12 24.7	2.368	3.108	13.9	21.6
3 2	13 3.17	−12 44.8	2.279	3.118	11.3	21.5
3 12	12 56.31	−12 52.1	2.211	3.129	8.3	21.3
3 22	12 47.93	−12 46.8	2.169	3.139	5.0	21.1
4 1	12 38.78	−12 30.7	2.156	3.148	2.5	20.9
4 11	12 29.71	−12 7.3	2.172	3.158	4.0	21.0
4 21	12 21.55	−11 40.7	2.218	3.167	7.1	21.3
5 1	12 14.95	−11 15.7	2.289	3.176	10.2	21.5

433361 2013 SD_{14} 3 31.3 115.°89 0.°5/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.09	− 6 45.2	2.184	2.962	13.8	22.4
3 2	12 59.35	− 5 56.2	2.105	2.977	10.8	22.3
3 12	12 53.69	− 4 53.6	2.050	2.991	7.4	22.1
3 22	12 46.62	− 3 41.4	2.020	3.005	3.5	21.9
4 1	12 38.89	− 2 25.3	2.020	3.019	0.7	21.7
4 11	12 31.33	− 1 11.9	2.050	3.033	4.5	22.0
4 21	12 24.71	− 0 7.2	2.107	3.046	8.2	22.2
5 1	12 19.64	+ 0 44.3	2.190	3.058	11.4	22.4

363534 2003 UB_{290} 3 31.3 223.°40 1.°0/30.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.05	− 4 48.5	2.047	2.828	14.5	22.1
3 2	13 2.08	− 4 10.1	1.944	2.818	11.5	21.9
3 12	12 55.85	− 3 18.0	1.863	2.807	7.8	21.6
3 22	12 47.83	− 2 15.8	1.809	2.794	3.8	21.4
4 1	12 38.79	− 1 9.0	1.784	2.782	1.2	21.2
4 11	12 29.70	− 0 4.5	1.787	2.768	5.3	21.4
4 21	12 21.53	+ 0 51.2	1.818	2.754	9.4	21.6
5 1	12 15.06	+ 1 33.2	1.874	2.739	13.1	21.8

33776 1999 RB_{158} 3 31.3 263.°36 2.°5/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.17	−12 3.8	2.523	3.263	13.1	17.7
3 2	13 1.77	−12 29.7	2.413	3.254	10.8	17.6
3 12	12 55.43	−12 44.4	2.327	3.245	7.9	17.3
3 22	12 47.56	−12 47.8	2.266	3.235	4.9	17.1
4 1	12 38.81	−12 41.1	2.234	3.226	2.5	17.0
4 11	12 29.99	−12 27.0	2.231	3.216	3.9	17.0
4 21	12 21.89	−12 9.0	2.257	3.207	7.0	17.2
5 1	12 15.20	−11 51.4	2.310	3.197	10.1	17.4

140553 2001 TQ_{202} 3 31.3 272.°70 4.°6/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.37	+ 6 11.5	2.239	3.052	12.4	19.6
3 2	12 57.33	+ 7 26.1	2.153	3.045	9.7	19.4
3 12	12 52.40	+ 8 46.4	2.091	3.038	6.9	19.2
3 22	12 46.05	+10 6.1	2.057	3.031	4.8	19.1
4 1	12 38.94	+11 18.0	2.050	3.024	5.2	19.1
4 11	12 31.88	+12 15.9	2.072	3.017	7.7	19.2
4 21	12 25.63	+12 55.4	2.120	3.010	10.6	19.4
5 1	12 20.83	+13 14.5	2.190	3.003	13.3	19.6

132830 2002 RQ_{7} 3 31.3 210.°91 1.°3/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.19	− 2 32.8	2.369	3.155	12.6	20.4
3 2	12 59.41	− 2 1.1	2.274	3.151	9.9	20.2
3 12	12 53.76	− 1 20.1	2.202	3.147	6.7	20.0
3 22	12 46.70	− 0 33.0	2.157	3.142	3.2	19.8
4 1	12 38.89	+ 0 15.5	2.141	3.138	1.5	19.6
4 11	12 31.12	+ 1 0.1	2.154	3.133	4.8	19.9
4 21	12 24.13	+ 1 36.4	2.195	3.127	8.2	20.1
5 1	12 18.57	+ 2 1.0	2.262	3.122	11.3	20.2

85828 1998 XN_{53} 3 31.3 82°35 4°3/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.48	−15 28.0	1.456	2.220	20.1	18.8
3 2	13 4.78	−15 52.1	1.383	2.234	16.6	18.5
3 12	12 58.05	−15 53.4	1.329	2.249	12.5	18.3
3 22	12 48.98	−15 31.4	1.295	2.263	8.0	18.1
4 1	12 38.71	−14 48.5	1.287	2.277	4.5	17.9
4 11	12 28.69	−13 51.7	1.305	2.292	5.8	18.0
4 21	12 20.20	−12 49.9	1.348	2.306	9.9	18.3
5 1	12 14.18	−11 52.2	1.415	2.320	14.1	18.6

43412 2000 WH_{158} 3 31.3 116°63 2°0/29.7 18

2 21	13 9.25	− 0 51.3	1.668	2.468	16.5	19.5
3 2	13 4.85	− 0 30.5	1.592	2.477	12.9	19.2
3 12	12 57.81	+ 0 0.4	1.538	2.485	8.8	19.0
3 22	12 48.77	+ 0 36.8	1.508	2.494	4.3	18.8
4 1	12 38.74	+ 1 12.6	1.506	2.502	2.3	18.6
4 11	12 28.92	+ 1 41.4	1.531	2.510	6.3	18.9
4 21	12 20.42	+ 1 58.4	1.582	2.517	10.6	19.2
5 1	12 14.06	+ 2 0.6	1.657	2.525	14.4	19.4

348419 2005 NZ_{55} 3 31.3 299°77 3°9/ 4.6 17

2 21	13 1.94	−17 58.1	2.300	3.027	14.6	21.2
3 2	12 58.68	−18 11.9	2.197	3.022	12.2	21.0
3 12	12 53.42	−18 8.5	2.115	3.018	9.4	20.8
3 22	12 46.60	−17 47.5	2.058	3.014	6.5	20.7
4 1	12 38.91	−17 10.4	2.026	3.009	4.2	20.5
4 11	12 31.20	−16 21.1	2.023	3.005	4.7	20.5
4 21	12 24.31	−15 24.9	2.048	3.001	7.4	20.7
5 1	12 18.92	−14 28.1	2.098	2.997	10.4	20.9

416152 2002 RX_{68} 3 31.3 268°61 2°0/ 1.8 17

2 21	13 7.61	−10 13.5	1.843	2.610	16.4	21.6
3 2	13 3.84	−10 24.9	1.729	2.588	13.4	21.3
3 12	12 57.43	−10 21.1	1.635	2.566	9.7	21.1
3 22	12 48.78	−10 2.5	1.566	2.544	5.5	20.8
4 1	12 38.73	− 9 31.2	1.524	2.521	2.0	20.5
4 11	12 28.40	− 8 52.2	1.510	2.498	5.0	20.6
4 21	12 18.99	− 8 11.8	1.522	2.474	9.5	20.8
5 1	12 11.54	− 7 36.5	1.559	2.450	13.8	21.0

217485 2006 BT_{270} 3 31.3 90°50 10°8/10.3 18

2 21	13 14.23	−33 7.3	2.132	2.746	18.4	20.6
3 2	13 9.07	−34 53.7	2.046	2.758	16.7	20.4
3 12	13 1.01	−36 18.5	1.977	2.770	14.7	20.3
3 22	12 50.53	−37 15.7	1.929	2.782	12.8	20.2
4 1	12 38.59	−37 41.0	1.903	2.794	11.3	20.1
4 11	12 26.52	−37 34.2	1.902	2.806	10.8	20.1
4 21	12 15.62	−36 59.7	1.926	2.817	11.4	20.2
5 1	12 6.97	−36 5.3	1.972	2.829	12.9	20.3

469176 2016 CL_{261} 3 31.3 331°64 0°3/31.5 17

2 21	12 59.93	− 7 49.6	1.510	2.315	17.7	20.5
3 2	12 58.06	− 7 29.3	1.418	2.304	14.2	20.3
3 12	12 53.53	− 6 49.9	1.347	2.293	9.9	20.0
3 22	12 46.84	− 5 54.4	1.298	2.283	5.0	19.7
4 1	12 38.90	− 4 48.5	1.274	2.273	0.4	19.3
4 11	12 30.94	− 3 41.0	1.276	2.264	5.6	19.7
4 21	12 24.12	− 2 40.4	1.303	2.256	10.6	19.9
5 1	12 19.43	− 1 54.2	1.352	2.249	15.1	20.2

152517 2006 AD_{72} 3 31.3 205°02 0°5/30.1 18

2 21	12 54.55	− 2 57.2	4.785	5.557	6.9	20.9
3 2	12 51.71	− 2 32.1	4.685	5.555	5.3	20.8
3 12	12 48.02	− 2 2.4	4.611	5.553	3.6	20.7
3 22	12 43.74	− 1 29.8	4.566	5.551	1.7	20.5
4 1	12 39.16	− 0 56.4	4.552	5.549	0.7	20.4
4 11	12 34.60	− 0 24.4	4.568	5.547	2.4	20.6
4 21	12 30.38	+ 0 4.2	4.614	5.545	4.3	20.7
5 1	12 26.77	+ 0 27.7	4.687	5.543	6.0	20.8

406890 2009 DJ_{28} 3 31.3 72°97 2°4/ 1.9 18

2 21	13 8.48	−10 32.5	1.495	2.276	18.9	21.5
3 2	13 4.70	−10 51.8	1.418	2.285	15.4	21.3
3 12	12 57.98	−10 53.2	1.360	2.293	11.1	21.1
3 22	12 48.97	−10 37.5	1.325	2.302	6.3	20.8
4 1	12 38.75	−10 7.8	1.315	2.311	2.4	20.6
4 11	12 28.70	− 9 30.4	1.332	2.320	5.3	20.8
4 21	12 20.08	− 8 52.5	1.374	2.329	10.0	21.1
5 1	12 13.86	− 8 20.9	1.439	2.339	14.2	21.3

337792 2001 UV_{202} 3 31.3 129°11 1°9/ 2.6 18

2 21	13 0.90	−13 29.8	2.415	3.163	13.4	20.8
3 2	12 57.61	−13 10.4	2.320	3.167	10.9	20.6
3 12	12 52.52	−12 35.2	2.248	3.170	7.9	20.4
3 22	12 46.10	−11 45.9	2.201	3.174	4.7	20.2
4 1	12 38.98	−10 45.9	2.183	3.178	2.0	20.0
4 11	12 31.93	− 9 40.2	2.194	3.181	3.6	20.2
4 21	12 25.67	− 8 34.6	2.233	3.185	6.9	20.4
5 1	12 20.80	− 7 34.5	2.298	3.188	10.0	20.6

384774 2012 PF 3 31.3 358°26 16°8/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.94	−36 6.9	1.131	1.825	28.4	20.0
3 2	13 0.74	−38 6.4	1.058	1.823	26.2	19.8
3 12	12 56.55	−39 28.3	0.995	1.822	23.6	19.6
3 22	12 48.78	−40 1.1	0.945	1.821	20.9	19.4
4 1	12 38.73	−39 35.5	0.910	1.821	18.4	19.2
4 11	12 28.52	−38 10.5	0.892	1.822	16.9	19.2
4 21	12 20.25	−35 55.6	0.893	1.823	17.1	19.2
5 1	12 15.55	−33 9.0	0.912	1.825	19.0	19.3

343010 2009 BO_{89} 3 31.3 95°53 0°3/30.9 17

2 21	13 2.27	− 5 54.9	2.236	3.017	13.4	21.6
3 2	12 58.74	− 5 27.2	2.152	3.025	10.6	21.4
3 12	12 53.31	− 4 47.8	2.091	3.032	7.2	21.2
3 22	12 46.48	− 3 59.8	2.055	3.040	3.5	21.0
4 1	12 38.95	− 3 7.7	2.049	3.048	0.5	20.8
4 11	12 31.54	− 2 17.0	2.071	3.055	4.3	21.1
4 21	12 25.00	− 1 32.7	2.121	3.063	7.9	21.3
5 1	12 19.95	− 0 58.9	2.196	3.070	11.1	21.5

368682 2005 RY_1 3 31.3 122°58 7°6/ 8.4 17

2 21	13 5.98	−27 38.1	2.065	2.736	17.6	21.1
3 2	13 2.23	−28 15.8	1.975	2.745	15.4	20.9
3 12	12 56.04	−28 29.8	1.902	2.753	12.9	20.8
3 22	12 47.96	−28 17.1	1.850	2.762	10.2	20.6
4 1	12 38.84	−27 37.4	1.823	2.770	8.1	20.5
4 11	12 29.79	−26 34.1	1.822	2.778	7.6	20.5
4 21	12 21.83	−25 13.8	1.847	2.785	9.1	20.6
5 1	12 15.80	−23 45.5	1.897	2.793	11.5	20.7

63451 2001 OB 3 31.3 170°09 5°4/ 5.6 18

2 21	13 7.57	−21 18.3	2.197	2.897	15.9	19.8
3 2	13 3.24	−21 46.9	2.098	2.901	13.6	19.6
3 12	12 56.63	−21 56.3	2.020	2.904	10.8	19.4
3 22	12 48.22	−21 45.0	1.965	2.906	7.9	19.2
4 1	12 38.82	−21 13.4	1.937	2.908	5.7	19.1
4 11	12 29.42	−20 24.9	1.936	2.909	5.8	19.1
4 21	12 20.99	−19 25.4	1.963	2.910	8.1	19.3
5 1	12 14.31	−18 22.1	2.016	2.910	11.0	19.4

32358 2000 QS_{124} 3 31.3 47°99 5°1/24.7 18

2 21	12 59.15	+ 6 43.0	2.153	2.972	12.6	18.3
3 2	12 56.38	+ 8 19.8	2.082	2.977	9.8	18.1
3 12	12 51.74	+10 2.0	2.035	2.982	7.0	17.9
3 22	12 45.73	+11 42.1	2.016	2.987	5.2	17.8
4 1	12 39.02	+13 12.0	2.025	2.992	5.8	17.9
4 11	12 32.45	+14 24.8	2.062	2.998	8.3	18.0
4 21	12 26.75	+15 16.1	2.124	3.003	11.0	18.2
5 1	12 22.51	+15 44.6	2.208	3.009	13.6	18.4

28340 Yukihiro 3 31.3 177°45 4°6/25.5 18

2 21	13 3.75	+ 9 45.9	2.665	3.467	10.9	18.0
3 2	12 59.57	+10 40.2	2.585	3.468	8.6	17.9
3 12	12 53.71	+11 35.8	2.530	3.469	6.3	17.7
3 22	12 46.64	+12 27.5	2.503	3.470	4.7	17.6
4 1	12 38.97	+13 10.0	2.505	3.470	5.0	17.6
4 11	12 31.40	+13 39.3	2.535	3.470	7.0	17.7
4 21	12 24.58	+13 52.8	2.592	3.470	9.4	17.9
5 1	12 19.07	+13 49.8	2.673	3.469	11.7	18.0

502549 2015 BM_{467} 3 31.3 148°12 3°4/27.6 17

2 21	13 3.05	+ 2 27.2	2.078	2.884	13.4	21.7
3 2	12 59.51	+ 3 24.4	1.998	2.887	10.5	21.5
3 12	12 53.93	+ 4 29.3	1.941	2.890	7.1	21.3
3 22	12 46.83	+ 5 36.2	1.911	2.893	4.1	21.1
4 1	12 38.95	+ 6 38.5	1.909	2.895	3.8	21.1
4 11	12 31.20	+ 7 29.7	1.935	2.898	6.7	21.2
4 21	12 24.39	+ 8 5.4	1.987	2.900	10.0	21.5
5 1	12 19.19	+ 8 23.1	2.063	2.902	13.1	21.7

13781 1998 UO_{15} 3 31.3 224°84 0°2/31.5 18

2 21	13 5.57	− 7 28.3	2.076	2.849	14.6	19.6
3 2	13 1.69	− 7 6.0	1.973	2.840	11.6	19.4
3 12	12 55.59	− 6 29.5	1.892	2.830	8.1	19.1
3 22	12 47.73	− 5 41.1	1.837	2.820	4.1	18.8
4 1	12 38.88	− 4 45.4	1.810	2.809	0.3	18.5
4 11	12 29.99	− 3 48.4	1.812	2.798	4.6	18.8
4 21	12 21.99	− 2 56.1	1.842	2.786	8.7	19.0
5 1	12 15.67	− 2 14.1	1.897	2.774	12.4	19.2

3227 Hasegawa 3 31.3 48°25 1°8/29.8 18

2 21	13 3.11	− 4 3.3	1.402	2.217	18.3	16.1
3 2	13 0.45	− 3 17.2	1.336	2.229	14.3	15.9
3 12	12 55.00	− 2 14.4	1.290	2.242	9.6	15.6
3 22	12 47.46	− 1 1.1	1.268	2.255	4.6	15.4
4 1	12 38.91	+ 0 13.9	1.271	2.268	2.1	15.2
4 11	12 30.65	+ 1 21.1	1.300	2.282	6.7	15.6
4 21	12 23.82	+ 2 12.7	1.354	2.296	11.4	15.9
5 1	12 19.25	+ 2 44.0	1.429	2.310	15.5	16.1

240733 2005 JS_{35} 3 31.3 167.°90 5.°5/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.80	+12 42.3	2.590	3.395	11.1	20.7
3 2	12 59.66	+13 43.8	2.516	3.397	8.9	20.6
3 12	12 53.80	+14 44.8	2.467	3.400	6.8	20.4
3 22	12 46.69	+15 39.5	2.445	3.402	5.5	20.3
4 1	12 38.98	+16 22.4	2.452	3.404	6.0	20.4
4 11	12 31.39	+16 49.3	2.486	3.405	7.9	20.5
4 21	12 24.61	+16 58.1	2.547	3.407	10.1	20.6
5 1	12 19.17	+16 48.7	2.630	3.408	12.3	20.8

46311 2001 QF_{20} 3 31.3 179.°16 0.°0/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.21	− 6 41.4	2.522	3.293	12.3	19.4
3 2	12 58.53	− 6 16.2	2.428	3.294	9.8	19.3
3 12	12 53.11	− 5 39.9	2.356	3.294	6.7	19.1
3 22	12 46.40	− 4 55.1	2.311	3.295	3.3	18.8
4 1	12 39.00	− 4 5.5	2.296	3.295	0.3	18.6
4 11	12 31.67	− 3 16.1	2.310	3.294	3.8	18.9
4 21	12 25.08	− 2 31.3	2.352	3.294	7.2	19.1
5 1	12 19.81	− 1 55.1	2.420	3.293	10.2	19.3

207446 2006 EC_{63} 3 31.3 306.°17 1.°8/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.09	−10 8.0	1.370	2.171	19.4	20.5
3 2	13 0.32	−10 9.7	1.269	2.149	15.9	20.2
3 12	12 55.50	− 9 50.1	1.186	2.127	11.5	19.9
3 22	12 48.03	− 9 9.9	1.124	2.106	6.4	19.6
4 1	12 38.86	− 8 12.9	1.086	2.085	1.8	19.2
4 11	12 29.40	− 7 7.1	1.074	2.064	5.9	19.4
4 21	12 21.13	− 6 2.4	1.084	2.044	11.6	19.6
5 1	12 15.28	− 5 8.4	1.117	2.024	16.8	19.9

286097 2001 TK_{68} 3 31.3 227.°84 1.°6/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.12	− 2 36.9	1.911	2.697	15.2	21.8
3 2	13 4.74	− 2 5.8	1.808	2.684	12.0	21.6
3 12	12 57.84	− 1 22.5	1.726	2.671	8.2	21.3
3 22	12 48.92	− 0 30.8	1.671	2.656	4.0	21.0
4 1	12 38.81	+ 0 23.5	1.644	2.641	1.9	20.8
4 11	12 28.60	+ 1 13.4	1.646	2.625	5.9	21.0
4 21	12 19.39	+ 1 53.0	1.675	2.608	10.3	21.3
5 1	12 12.08	+ 2 17.7	1.728	2.590	14.2	21.5

343962 2011 KF_{43} 3 31.3 315.°28 1.°2/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.80	− 4 18.9	1.808	2.610	15.3	21.3
3 2	12 58.24	− 3 42.5	1.713	2.599	12.1	21.1
3 12	12 53.38	− 2 51.7	1.640	2.589	8.2	20.8
3 22	12 46.69	− 1 50.6	1.592	2.579	4.0	20.5
4 1	12 38.98	− 0 45.2	1.571	2.569	1.5	20.3
4 11	12 31.27	+ 0 16.7	1.577	2.559	5.7	20.6
4 21	12 24.52	+ 1 8.4	1.609	2.550	10.0	20.8
5 1	12 19.57	+ 1 44.7	1.664	2.541	13.9	21.0

210959 2001 UD_{128} 3 31.3 251.°64 2.°1/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.02	−12 22.2	2.697	3.435	12.4	21.4
3 2	13 0.82	−12 29.3	2.577	3.416	10.2	21.2
3 12	12 54.78	−12 24.4	2.478	3.397	7.5	21.0
3 22	12 47.30	−12 7.8	2.406	3.377	4.5	20.7
4 1	12 38.94	−11 41.2	2.363	3.357	2.1	20.5
4 11	12 30.47	−11 7.9	2.350	3.336	3.6	20.6
4 21	12 22.61	−10 31.9	2.366	3.315	6.8	20.8
5 1	12 16.04	− 9 57.6	2.409	3.294	9.8	20.9

190441 1999 XB_{220} 3 31.3 135.°10 0.°7/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.61	− 8 10.4	2.461	3.218	13.0	21.2
3 2	13 1.94	− 8 4.7	2.374	3.230	10.3	21.0
3 12	12 55.41	− 7 47.9	2.310	3.242	7.2	20.8
3 22	12 47.52	− 7 21.8	2.273	3.253	3.8	20.6
4 1	12 38.95	− 6 49.5	2.266	3.264	0.7	20.4
4 11	12 30.50	− 6 15.3	2.288	3.275	3.7	20.6
4 21	12 22.91	− 5 43.2	2.340	3.285	7.1	20.8
5 1	12 16.79	− 5 17.1	2.417	3.294	10.1	21.1

165997 2002 AP_{31} 3 31.3 323.°19 9.°3/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.85	+ 9 58.4	1.207	2.060	18.2	18.7
3 2	12 58.70	+11 44.6	1.132	2.044	14.7	18.4
3 12	12 54.37	+13 39.3	1.077	2.027	11.2	18.2
3 22	12 47.42	+15 29.1	1.044	2.012	9.3	18.0
4 1	12 38.94	+16 58.8	1.034	1.997	10.6	18.0
4 11	12 30.48	+17 55.7	1.046	1.983	14.1	18.2
4 21	12 23.46	+18 13.8	1.077	1.970	18.2	18.4
5 1	12 19.03	+17 53.0	1.125	1.958	22.0	18.6

92458 2000 KO_{35} 3 31.3 241.°78 3.°2/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.34	− 0 33.7	1.677	2.485	16.1	20.5
3 2	13 2.06	+ 0 26.1	1.583	2.473	12.6	20.2
3 12	12 56.15	+ 1 40.0	1.511	2.462	8.6	19.9
3 22	12 48.13	+ 3 1.8	1.464	2.449	4.5	19.7
4 1	12 38.90	+ 4 23.1	1.445	2.437	3.7	19.6
4 11	12 29.63	+ 5 34.5	1.452	2.423	7.5	19.8
4 21	12 21.46	+ 6 28.5	1.485	2.410	11.9	20.0
5 1	12 15.33	+ 7 0.6	1.540	2.396	15.9	20.2

2793 Valdaj 3 31.3 8.°08 3.°4/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.47	−13 25.1	2.339	3.071	14.2	16.5
3 2	13 4.53	−14 12.8	2.239	3.071	11.8	16.3
3 12	12 57.42	−14 48.8	2.161	3.072	8.9	16.1
3 22	12 48.63	−15 12.2	2.109	3.072	5.8	15.9
4 1	12 38.87	−15 23.2	2.085	3.072	3.5	15.8
4 11	12 29.08	−15 23.9	2.091	3.073	4.5	15.8
4 21	12 20.15	−15 17.7	2.126	3.074	7.5	16.0
5 1	12 12.83	−15 9.0	2.187	3.074	10.5	16.2

501295 2013 WL_{62} 3 31.3 94.°83 3.°8/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.35	+ 4 24.0	2.224	3.029	12.7	21.9
3 2	12 59.47	+ 5 27.8	2.159	3.047	9.8	21.7
3 12	12 53.74	+ 6 36.7	2.118	3.065	6.8	21.6
3 22	12 46.68	+ 7 44.7	2.104	3.083	4.2	21.4
4 1	12 39.03	+ 8 45.6	2.119	3.100	4.3	21.5
4 11	12 31.60	+ 9 33.8	2.163	3.118	6.7	21.7
4 21	12 25.11	+10 5.9	2.233	3.135	9.6	21.9
5 1	12 20.13	+10 20.2	2.327	3.151	12.3	22.1

55946 1998 HP_{24} 3 31.3 230.°61 5.°9/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.57	+16 16.8	2.880	3.678	10.3	18.7
3 2	13 0.18	+17 12.5	2.795	3.667	8.4	18.5
3 12	12 54.15	+18 5.7	2.735	3.656	6.7	18.4
3 22	12 46.90	+18 51.3	2.702	3.645	5.9	18.3
4 1	12 39.02	+19 24.2	2.697	3.633	6.4	18.3
4 11	12 31.19	+19 40.7	2.721	3.621	8.0	18.4
4 21	12 24.07	+19 39.2	2.770	3.609	10.0	18.5
5 1	12 18.20	+19 19.7	2.842	3.596	12.0	18.7

276498 2003 QC_{47} 3 31.3 172.°06 0.°9/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.68	− 9 57.9	2.651	3.403	12.3	21.6
3 2	12 59.59	− 9 36.2	2.554	3.406	9.8	21.4
3 12	12 53.80	− 9 2.0	2.480	3.409	6.9	21.3
3 22	12 46.75	− 8 17.3	2.433	3.412	3.7	21.0
4 1	12 39.03	− 7 25.4	2.415	3.413	0.9	20.8
4 11	12 31.37	− 6 30.9	2.428	3.415	3.5	21.0
4 21	12 24.45	− 5 38.5	2.470	3.415	6.7	21.2
5 1	12 18.82	− 4 52.6	2.538	3.416	9.7	21.4

278698 2008 RH_{139} 3 31.3 172.°36 3.°4/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.81	−18 4.7	2.327	3.050	14.5	21.3
3 2	12 59.28	−17 53.8	2.228	3.053	12.1	21.1
3 12	12 53.79	−17 24.1	2.150	3.054	9.2	20.9
3 22	12 46.81	−16 36.1	2.096	3.056	6.1	20.7
4 1	12 39.03	−15 32.1	2.070	3.057	3.6	20.5
4 11	12 31.30	−14 17.5	2.073	3.057	4.2	20.6
4 21	12 24.43	−12 58.7	2.104	3.058	7.2	20.8
5 1	12 19.06	−11 42.4	2.162	3.058	10.3	21.0

361170 2006 KN_{92} 3 31.3 278.°72 1.°5/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.46	−11 39.5	1.579	2.362	18.0	21.3
3 2	13 0.06	−11 17.3	1.480	2.350	14.6	21.0
3 12	12 54.95	−10 32.4	1.401	2.337	10.5	20.7
3 22	12 47.61	− 9 26.6	1.345	2.325	5.8	20.4
4 1	12 38.96	− 8 4.8	1.314	2.312	1.6	20.1
4 11	12 30.22	− 6 35.8	1.310	2.300	5.3	20.3
4 21	12 22.60	− 5 9.8	1.332	2.287	10.3	20.6
5 1	12 17.10	− 3 55.8	1.377	2.274	14.9	20.8

362047 2009 BG_{14} 3 31.3 357.°33 24.°3/ 1.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 38.11	−48 28.1	0.964	1.625	34.2	19.1
3 2	12 43.21	−51 39.0	0.905	1.613	33.4	18.9
3 12	12 44.86	−54 2.7	0.853	1.605	32.3	18.7
3 22	12 43.18	−55 26.6	0.807	1.600	30.8	18.6
4 1	12 39.27	−55 37.8	0.768	1.598	29.1	18.4
4 11	12 35.29	−54 28.8	0.739	1.600	27.3	18.3
4 21	12 33.49	−52 0.0	0.719	1.605	25.5	18.2
5 1	12 35.53	−48 22.0	0.713	1.614	24.3	18.1

313734 2003 UP_{198} 3 31.3 142.°32 1.°9/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.36	− 2 0.3	1.967	2.757	14.7	20.9
3 2	13 2.97	− 1 16.9	1.889	2.768	11.5	20.7
3 12	12 56.34	− 0 22.6	1.833	2.779	7.7	20.5
3 22	12 48.05	+ 0 37.8	1.803	2.789	3.8	20.3
4 1	12 38.95	+ 1 38.0	1.802	2.798	2.2	20.2
4 11	12 30.03	+ 2 31.4	1.830	2.806	5.7	20.4
4 21	12 22.20	+ 3 12.8	1.886	2.814	9.6	20.7
5 1	12 16.16	+ 3 38.8	1.965	2.822	12.9	20.9

345567 2006 RV_{81} 3 31.3 157.°47 0.°3/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.02	− 5 46.1	2.833	3.601	11.2	22.5
3 2	12 58.14	− 5 17.0	2.742	3.607	8.8	22.4
3 12	12 52.72	− 4 38.4	2.674	3.613	6.0	22.2
3 22	12 46.19	− 3 53.0	2.634	3.618	2.9	22.0
4 1	12 39.09	− 3 4.2	2.624	3.623	0.5	21.8
4 11	12 32.07	− 2 16.5	2.644	3.627	3.6	22.1
4 21	12 25.72	− 1 33.8	2.693	3.631	6.6	22.3
5 1	12 20.55	− 0 59.3	2.768	3.634	9.3	22.4

190164 2005 UB_{60} 3 31.3 183.°31 2.°4/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 10.16	− 0 44.3	1.811	2.604	15.6	20.6
3 2	13 5.51	− 0 7.9	1.724	2.605	12.3	20.4
3 12	12 58.31	+ 0 39.3	1.659	2.606	8.4	20.2
3 22	12 49.12	+ 1 32.4	1.620	2.605	4.2	19.9
4 1	12 38.88	+ 2 24.8	1.609	2.604	2.7	19.8
4 11	12 28.73	+ 3 9.4	1.627	2.602	6.4	20.0
4 21	12 19.74	+ 3 41.0	1.671	2.599	10.6	20.3
5 1	12 12.78	+ 3 55.9	1.739	2.595	14.4	20.5

222665 2001 XP_{234} 3 31.3 180.°44 4.°9/25.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.48	+10 4.8	2.552	3.348	11.5	21.9
3 2	13 2.57	+11 2.0	2.470	3.349	9.1	21.7
3 12	12 55.83	+12 0.6	2.414	3.351	6.7	21.5
3 22	12 47.75	+12 54.7	2.385	3.351	5.0	21.4
4 1	12 38.99	+13 38.9	2.386	3.350	5.3	21.5
4 11	12 30.34	+14 8.6	2.416	3.349	7.4	21.6
4 21	12 22.53	+14 21.3	2.473	3.347	9.9	21.7
5 1	12 16.16	+14 16.4	2.554	3.344	12.3	21.9

516687 2008 TY_{191} 3 31.3 275.°43 1.°5/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.77	− 0 48.4	2.016	2.804	14.4	21.9
3 2	13 4.42	− 0 43.3	1.905	2.783	11.5	21.6
3 12	12 57.64	− 0 30.3	1.816	2.761	7.9	21.4
3 22	12 48.87	− 0 12.4	1.754	2.739	3.9	21.1
4 1	12 38.89	+ 0 6.2	1.719	2.717	1.7	20.9
4 11	12 28.74	+ 0 20.6	1.714	2.694	5.6	21.1
4 21	12 19.47	+ 0 26.6	1.736	2.671	9.8	21.3
5 1	12 11.97	+ 0 21.0	1.782	2.648	13.6	21.5

169391 2001 VU_{61} 3 31.3 159.°63 0.°9/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.12	− 9 22.1	2.795	3.547	11.7	21.1
3 2	12 59.06	− 9 10.6	2.699	3.552	9.4	20.9
3 12	12 53.39	− 8 48.2	2.627	3.557	6.6	20.8
3 22	12 46.54	− 8 16.6	2.582	3.561	3.5	20.6
4 1	12 39.08	− 7 38.6	2.567	3.565	0.9	20.4
4 11	12 31.68	− 6 58.1	2.582	3.569	3.3	20.5
4 21	12 24.97	− 6 19.0	2.626	3.572	6.3	20.7
5 1	12 19.48	− 5 45.1	2.697	3.575	9.1	20.9

144257 2004 CH_{89} 3 31.3 221.°93 7.°5/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.05	+12 55.5	1.988	2.804	13.6	20.7
3 2	13 1.37	+14 36.4	1.909	2.796	11.0	20.5
3 12	12 55.40	+16 19.3	1.854	2.787	8.6	20.4
3 22	12 47.67	+17 55.0	1.826	2.778	7.5	20.3
4 1	12 38.99	+19 14.3	1.825	2.769	8.4	20.3
4 11	12 30.38	+20 9.9	1.850	2.759	10.7	20.4
4 21	12 22.76	+20 38.3	1.899	2.748	13.5	20.6
5 1	12 16.91	+20 39.2	1.968	2.737	16.1	20.7

170393 2003 SA_{305} 3 31.3 317.°49 5.°0/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.14	−15 51.9	1.460	2.229	19.8	19.6
3 2	13 1.74	−16 27.5	1.366	2.219	16.6	19.3
3 12	12 56.34	−16 41.4	1.290	2.210	12.8	19.0
3 22	12 48.40	−16 31.6	1.235	2.201	8.5	18.8
4 1	12 38.93	−15 58.9	1.204	2.192	5.2	18.5
4 11	12 29.31	−15 8.4	1.198	2.184	6.3	18.6
4 21	12 20.96	−14 8.5	1.216	2.176	10.5	18.8
5 1	12 15.00	−13 9.2	1.257	2.169	14.9	19.0

423527 2005 US_{130} 3 31.3 175.°52 1.°0/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.21	−10 30.9	2.489	3.239	13.0	22.8
3 2	13 0.93	−10 9.9	2.392	3.242	10.5	22.6
3 12	12 54.80	− 9 35.3	2.317	3.245	7.4	22.4
3 22	12 47.28	− 8 48.9	2.268	3.247	4.0	22.2
4 1	12 39.03	− 7 54.3	2.249	3.247	1.1	22.0
4 11	12 30.84	− 6 56.4	2.261	3.248	3.7	22.2
4 21	12 23.44	− 6 0.4	2.301	3.247	7.1	22.4
5 1	12 17.46	− 5 11.1	2.368	3.246	10.2	22.6

315898 2008 QD_4 3 31.3 142.°71 2.°9/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.57	−40 11.7	10.469	10.953	4.6	22.0
3 2	12 50.63	−40 29.0	10.361	10.961	4.2	22.0
3 12	12 47.17	−40 39.8	10.272	10.968	3.8	21.9
3 22	12 43.36	−40 43.8	10.204	10.976	3.4	21.9
4 1	12 39.35	−40 40.8	10.160	10.983	3.1	21.8
4 11	12 35.35	−40 31.5	10.142	10.990	2.9	21.8
4 21	12 31.53	−40 16.4	10.150	10.998	2.9	21.8
5 1	12 28.05	−39 56.7	10.183	11.005	3.2	21.9

503238 2015 HD_{149} 3 31.3 3.°03 0.°8/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.86	− 2 24.3	1.946	2.739	14.7	20.9
3 2	13 1.96	− 2 27.8	1.859	2.738	11.6	20.6
3 12	12 55.78	− 2 22.8	1.793	2.738	7.9	20.4
3 22	12 47.86	− 2 11.9	1.753	2.739	3.9	20.2
4 1	12 39.02	− 1 59.0	1.741	2.740	1.0	19.9
4 11	12 30.25	− 1 48.4	1.757	2.741	5.0	20.2
4 21	12 22.50	− 1 44.0	1.800	2.743	9.0	20.5
5 1	12 16.53	− 1 49.0	1.867	2.745	12.6	20.7

354352 2003 GR_{28} 3 31.3 352.°03 7.°4/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.04	+ 6 4.4	1.247	2.093	18.2	20.7
3 2	12 59.35	+ 7 47.6	1.180	2.090	14.4	20.5
3 12	12 54.61	+ 9 41.6	1.134	2.088	10.3	20.2
3 22	12 47.46	+11 34.4	1.110	2.086	7.6	20.1
4 1	12 39.05	+13 11.6	1.111	2.085	8.4	20.1
4 11	12 30.81	+14 21.4	1.135	2.084	12.0	20.3
4 21	12 24.07	+14 57.5	1.180	2.084	16.1	20.5
5 1	12 19.78	+14 58.9	1.244	2.085	19.9	20.8

183713 2003 YD_{64} 3 31.3 56.°47 2.°4/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.22	− 1 52.5	1.441	2.256	17.9	20.1
3 2	13 1.99	− 1 10.7	1.379	2.272	13.9	19.9
3 12	12 56.01	− 0 15.6	1.337	2.288	9.4	19.6
3 22	12 47.99	+ 0 46.6	1.318	2.305	4.6	19.4
4 1	12 39.02	+ 1 47.5	1.326	2.321	2.7	19.3
4 11	12 30.39	+ 2 38.8	1.359	2.338	6.9	19.6
4 21	12 23.20	+ 3 14.3	1.418	2.355	11.4	19.9
5 1	12 18.27	+ 3 30.5	1.498	2.372	15.3	20.2

115158 2003 SA_{74} 3 31.3 236.°15 1.°2/ 1.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.75	− 8 57.6	1.705	2.484	17.0	20.3
3 2	13 3.17	− 8 55.5	1.610	2.479	13.7	20.1
3 12	12 56.94	− 8 37.0	1.536	2.473	9.8	19.8
3 22	12 48.57	− 8 3.7	1.486	2.467	5.2	19.6
4 1	12 38.97	− 7 19.6	1.462	2.460	1.2	19.3
4 11	12 29.35	− 6 31.0	1.466	2.454	5.0	19.5
4 21	12 20.85	− 5 45.0	1.496	2.447	9.7	19.8
5 1	12 14.43	− 5 8.0	1.549	2.440	13.9	20.0

87711 2000 SE_{33} 3 31.3 103.°02 1.°9/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.57	− 2 31.4	1.943	2.739	14.6	20.1
3 2	13 0.05	− 1 41.2	1.866	2.750	11.4	20.0
3 12	12 54.37	− 0 39.1	1.813	2.761	7.6	19.7
3 22	12 47.12	+ 0 29.5	1.785	2.771	3.7	19.5
4 1	12 39.09	+ 1 38.2	1.786	2.782	2.2	19.4
4 11	12 31.24	+ 2 39.8	1.815	2.792	5.7	19.7
4 21	12 24.42	+ 3 28.7	1.871	2.802	9.5	19.9
5 1	12 19.32	+ 4 1.4	1.951	2.811	12.8	20.2

242369 2004 CC_{60} 3 31.3 129.°28 0.°4/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.37	− 5 14.6	1.901	2.682	15.4	21.2
3 2	13 3.88	− 4 57.8	1.821	2.693	12.2	21.0
3 12	12 57.05	− 4 28.7	1.763	2.704	8.4	20.8
3 22	12 48.46	− 3 50.3	1.730	2.715	4.1	20.5
4 1	12 38.99	− 3 7.6	1.726	2.725	0.6	20.3
4 11	12 29.70	− 2 26.5	1.750	2.735	4.9	20.6
4 21	12 21.55	− 1 52.3	1.802	2.744	9.0	20.9
5 1	12 15.28	− 1 29.3	1.878	2.752	12.6	21.1

221360 2005 WZ_{151} 3 31.3 211.°73 0.°1/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.84	− 6 1.8	2.211	2.984	13.8	20.9
3 2	13 1.74	− 5 43.1	2.111	2.979	11.0	20.7
3 12	12 55.55	− 5 12.5	2.033	2.972	7.6	20.5
3 22	12 47.74	− 4 32.4	1.982	2.966	3.7	20.2
4 1	12 39.04	− 3 47.1	1.960	2.959	0.4	19.9
4 11	12 30.33	− 3 1.8	1.966	2.951	4.4	20.2
4 21	12 22.48	− 2 21.6	2.001	2.943	8.3	20.4
5 1	12 16.21	− 1 51.1	2.061	2.934	11.7	20.6

264579 2001 TU_{123} 3 31.3 192.°97 3.°3/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.18	−15 8.2	2.283	3.012	14.6	21.3
3 2	13 3.60	−15 26.2	2.180	3.010	12.1	21.1
3 12	12 56.86	−15 28.9	2.099	3.008	9.1	20.9
3 22	12 48.41	−15 16.2	2.042	3.005	5.9	20.7
4 1	12 39.00	−14 49.3	2.013	3.002	3.4	20.5
4 11	12 29.56	−14 12.0	2.014	2.998	4.4	20.6
4 21	12 20.99	−13 29.4	2.043	2.993	7.6	20.8
5 1	12 14.05	−12 47.1	2.099	2.988	10.8	21.0

522860 2016 NJ_{87} 3 31.3 190.°56 2.°1/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.86	+ 1 0.3	2.925	3.714	10.4	22.7
3 2	12 57.22	+ 1 47.7	2.833	3.713	8.0	22.6
3 12	12 52.12	+ 2 41.3	2.766	3.712	5.4	22.4
3 22	12 45.94	+ 3 37.5	2.726	3.710	2.9	22.2
4 1	12 39.19	+ 4 31.9	2.717	3.707	2.4	22.2
4 11	12 32.50	+ 5 20.0	2.738	3.705	4.8	22.3
4 21	12 26.42	+ 5 58.4	2.787	3.702	7.4	22.5
5 1	12 21.46	+ 6 24.6	2.862	3.699	9.9	22.7

363333 2002 PQ_{157} 3 31.3 210.°68 1.°2/30.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.29	− 3 51.1	2.120	2.902	14.0	22.6
3 2	13 2.19	− 3 15.2	2.021	2.895	11.1	22.4
3 12	12 55.91	− 2 27.3	1.945	2.888	7.5	22.2
3 22	12 47.95	− 1 30.9	1.895	2.880	3.6	21.9
4 1	12 39.04	− 0 31.4	1.874	2.872	1.4	21.7
4 11	12 30.14	+ 0 24.8	1.882	2.862	5.2	22.0
4 21	12 22.13	+ 1 12.1	1.919	2.853	9.1	22.2
5 1	12 15.77	+ 1 46.2	1.980	2.842	12.6	22.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
107652	2001 EP_{23}		3 31.3	230.°39	2.°9/ 2.7	17
	h m	° ′			°	m
2 21	13 6.78	−12 46.7	1.761	2.523	17.2	19.8
3 2	13 3.16	−13 0.6	1.665	2.519	14.1	19.6
3 12	12 56.92	−12 56.7	1.590	2.515	10.4	19.4
3 22	12 48.57	−12 35.2	1.538	2.511	6.3	19.1
4 1	12 39.01	−11 58.5	1.512	2.506	3.0	18.9
4 11	12 29.41	−11 11.8	1.513	2.501	5.0	19.0
4 21	12 20.91	−10 22.2	1.541	2.496	9.2	19.2
5 1	12 14.46	− 9 36.7	1.594	2.491	13.2	19.5
421199	2013 RW_{87}		3 31.3	276.°85	3.°0/ 2.7	17
2 21	13 6.89	−12 28.9	1.855	2.615	16.5	21.2
3 2	13 3.13	−12 54.5	1.757	2.609	13.6	21.0
3 12	12 56.85	−13 4.5	1.679	2.603	10.1	20.8
3 22	12 48.52	−12 58.7	1.625	2.597	6.2	20.5
4 1	12 39.01	−12 38.6	1.598	2.591	3.1	20.3
4 11	12 29.44	−12 8.5	1.598	2.585	4.9	20.4
4 21	12 20.89	−11 34.2	1.625	2.579	8.8	20.6
5 1	12 14.29	−11 1.9	1.676	2.573	12.7	20.8
39732	1996 XK_{18}		3 31.3	145.°59	7.°7/19.6	18
2 21	13 2.35	+20 50.8	2.623	3.427	11.0	19.3
3 2	12 58.62	+22 27.5	2.567	3.433	9.3	19.1
3 12	12 53.17	+23 58.8	2.536	3.439	8.0	19.1
3 22	12 46.47	+25 17.6	2.531	3.444	7.7	19.1
4 1	12 39.17	+26 17.8	2.553	3.450	8.5	19.1
4 11	12 32.02	+26 55.4	2.601	3.455	10.1	19.2
4 21	12 25.67	+27 9.3	2.672	3.459	11.8	19.3
5 1	12 20.69	+27 0.5	2.763	3.464	13.4	19.5
115375	2003 SG_{259}		3 31.3	128.°79	0.°2/31.6	18
2 21	13 3.22	− 7 34.0	2.197	2.971	13.8	20.5
3 2	12 59.60	− 7 10.2	2.109	2.977	11.0	20.3
3 12	12 54.01	− 6 33.2	2.044	2.982	7.6	20.1
3 22	12 46.95	− 5 45.8	2.005	2.988	3.8	19.8
4 1	12 39.14	− 4 52.5	1.994	2.993	0.3	19.5
4 11	12 31.42	− 3 58.9	2.012	2.998	4.2	19.9
4 21	12 24.59	− 3 10.2	2.058	3.003	7.9	20.1
5 1	12 19.30	− 2 31.2	2.129	3.008	11.2	20.3
301202	2009 AZ_{22}		3 31.3	55.°05	0.°6/30.9	18
2 21	13 6.68	− 5 11.6	1.323	2.133	19.4	21.4
3 2	13 3.48	− 4 54.8	1.258	2.146	15.3	21.2
3 12	12 57.24	− 4 21.3	1.212	2.160	10.5	21.0
3 22	12 48.69	− 3 35.4	1.188	2.174	5.1	20.7
4 1	12 39.01	− 2 44.4	1.190	2.189	0.9	20.4
4 11	12 29.67	− 1 56.8	1.217	2.204	6.2	20.8
4 21	12 21.92	− 1 20.0	1.269	2.219	11.3	21.1
5 1	12 16.65	− 0 59.0	1.342	2.234	15.6	21.4
376333	2011 GW_{75}		3 31.3	185.°02	3.°5/27.5	17
2 21	13 2.89	+ 2 38.7	2.053	2.860	13.5	21.0
3 2	12 59.48	+ 3 37.9	1.971	2.860	10.5	20.8
3 12	12 54.01	+ 4 45.0	1.911	2.860	7.2	20.6
3 22	12 46.98	+ 5 54.2	1.878	2.860	4.2	20.4
4 1	12 39.14	+ 6 58.6	1.874	2.860	4.0	20.4
4 11	12 31.40	+ 7 51.7	1.897	2.859	6.9	20.6
4 21	12 24.59	+ 8 28.6	1.946	2.859	10.3	20.8
5 1	12 19.40	+ 8 47.0	2.019	2.858	13.3	21.0
317148	2001 UZ_{224}		3 31.3	216.°91	3.°0/28.0	17
2 21	13 2.52	− 0 22.7	1.972	2.775	14.1	21.0
3 2	12 59.34	+ 0 48.6	1.883	2.771	11.0	20.8
3 12	12 54.01	+ 2 12.0	1.817	2.767	7.5	20.5
3 22	12 47.02	+ 3 41.5	1.778	2.762	4.0	20.3
4 1	12 39.13	+ 5 9.3	1.767	2.757	3.5	20.3
4 11	12 31.30	+ 6 27.2	1.784	2.751	6.8	20.5
4 21	12 24.40	+ 7 28.9	1.828	2.746	10.5	20.7
5 1	12 19.18	+ 8 10.5	1.895	2.740	13.8	20.9
181948	1999 TP_{216}		3 31.3	116.°44	1.°8/ 1.9	18
2 21	13 8.40	−10 47.8	1.804	2.569	16.7	21.1
3 2	13 4.12	−10 49.5	1.723	2.581	13.5	20.9
3 12	12 57.34	−10 34.6	1.663	2.593	9.7	20.7
3 22	12 48.66	−10 4.6	1.628	2.605	5.4	20.5
4 1	12 39.02	− 9 23.1	1.619	2.616	1.9	20.3
4 11	12 29.56	− 8 36.1	1.639	2.627	4.6	20.5
4 21	12 21.30	− 7 50.1	1.686	2.638	8.8	20.7
5 1	12 15.05	− 7 11.0	1.758	2.648	12.6	21.0
286082	2001 TG_{12}		3 31.3	116.°67	0.°5/30.9	18
2 21	13 10.91	− 5 13.9	1.715	2.498	16.8	22.0
3 2	13 6.05	− 4 54.0	1.643	2.516	13.2	21.8
3 12	12 58.61	− 4 20.5	1.592	2.534	9.0	21.5
3 22	12 49.25	− 3 37.1	1.567	2.551	4.4	21.3
4 1	12 38.99	− 2 49.4	1.569	2.568	0.7	21.1
4 11	12 29.01	− 2 4.2	1.600	2.584	5.3	21.4
4 21	12 20.38	− 1 27.5	1.657	2.599	9.7	21.7
5 1	12 13.89	− 1 3.5	1.739	2.613	13.5	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
278375	2007 LJ_{10}		3 31.3	239.°99	0.°9/30.2	17
	h m	° ′			°	m
2 21	13 1.63	− 6 0.2	2.288	3.068	13.2	21.5
3 2	12 58.41	− 5 3.2	2.182	3.056	10.4	21.3
3 12	12 53.27	− 3 51.6	2.100	3.043	7.1	21.1
3 22	12 46.64	− 2 29.1	2.045	3.030	3.4	20.8
4 1	12 39.17	− 1 1.5	2.019	3.017	1.2	20.6
4 11	12 31.68	+ 0 24.0	2.023	3.003	4.8	20.8
4 21	12 24.94	+ 1 40.9	2.055	2.989	8.6	21.0
5 1	12 19.64	+ 2 43.9	2.112	2.975	11.9	21.2
142525	2002 TA_{45}		3 31.3	274.°31	0.°9/30.5	18
2 21	13 4.62	− 5 27.0	1.839	2.629	15.5	20.8
3 2	13 1.48	− 4 51.3	1.725	2.603	12.4	20.5
3 12	12 55.84	− 3 59.3	1.632	2.577	8.6	20.2
3 22	12 48.11	− 2 54.1	1.564	2.550	4.2	19.9
4 1	12 39.05	− 1 41.5	1.523	2.522	1.2	19.6
4 11	12 29.76	− 0 29.4	1.511	2.494	5.8	19.8
4 21	12 21.34	+ 0 34.3	1.525	2.465	10.5	20.0
5 1	12 14.75	+ 1 23.0	1.562	2.436	14.8	20.2
458929	2011 UM_{295}		3 31.3	177.°96	2.°8/ 2.9	17
2 21	13 6.38	−14 44.9	1.802	2.554	17.2	22.3
3 2	13 2.72	−14 34.5	1.709	2.556	14.1	22.1
3 12	12 56.52	−14 3.0	1.636	2.557	10.4	21.9
3 22	12 48.33	−13 11.1	1.586	2.558	6.3	21.6
4 1	12 39.05	−12 2.4	1.564	2.558	2.9	21.4
4 11	12 29.82	−10 44.0	1.570	2.558	4.8	21.5
4 21	12 21.71	− 9 24.2	1.602	2.557	8.9	21.8
5 1	12 15.60	− 8 11.4	1.660	2.555	12.9	22.0
3997	Taga		3 31.3	142.°50	2.°0/29.5	18
2 21	13 7.49	− 1 42.6	1.960	2.751	14.7	18.1
3 2	13 3.11	− 1 2.0	1.881	2.761	11.5	17.9
3 12	12 56.49	− 0 10.9	1.825	2.771	7.8	17.7
3 22	12 48.19	+ 0 46.2	1.795	2.780	3.8	17.4
4 1	12 39.07	+ 1 42.9	1.793	2.789	2.3	17.4
4 11	12 30.12	+ 2 32.7	1.820	2.797	5.8	17.6
4 21	12 22.26	+ 3 10.7	1.875	2.804	9.6	17.8
5 1	12 16.21	+ 3 33.3	1.953	2.811	13.0	18.1
241247	2007 TG_{229}		3 31.3	240.°25	0.°6/30.7	17
2 21	13 3.05	− 4 29.4	2.268	3.051	13.2	21.4
3 2	12 59.47	− 4 6.6	2.173	3.047	10.4	21.2
3 12	12 53.95	− 3 33.2	2.100	3.042	7.1	21.0
3 22	12 46.95	− 2 52.1	2.053	3.038	3.4	20.7
4 1	12 39.16	− 2 7.6	2.035	3.033	0.8	20.5
4 11	12 31.39	− 1 24.8	2.046	3.029	4.5	20.8
4 21	12 24.43	− 0 48.5	2.084	3.024	8.1	21.0
5 1	12 18.95	− 0 22.6	2.148	3.019	11.4	21.2
24772	1993 FL_{33}		3 31.3	147.°81	1.°5/29.9	18
2 21	13 7.82	− 2 21.4	2.038	2.824	14.4	19.6
3 2	13 3.30	− 1 49.5	1.957	2.833	11.3	19.4
3 12	12 56.59	− 1 7.3	1.898	2.842	7.6	19.2
3 22	12 48.24	− 0 18.9	1.865	2.850	3.7	19.0
4 1	12 39.07	+ 0 30.3	1.861	2.857	1.8	18.8
4 11	12 30.06	+ 1 14.2	1.886	2.864	5.3	19.1
4 21	12 22.09	+ 1 48.1	1.939	2.871	9.1	19.3
5 1	12 15.87	+ 2 8.6	2.016	2.876	12.5	19.6
35655	1998 OJ_{6}		3 31.3	279.°93	1.°3/29.8	18
2 21	13 0.14	− 3 4.2	2.459	3.248	12.1	19.1
3 2	12 57.07	− 2 24.5	2.358	3.237	9.5	18.9
3 12	12 52.25	− 1 34.7	2.280	3.226	6.4	18.7
3 22	12 46.11	− 0 38.2	2.229	3.215	3.1	18.5
4 1	12 39.22	+ 0 20.3	2.207	3.204	1.5	18.3
4 11	12 32.34	+ 1 15.4	2.214	3.193	4.7	18.5
4 21	12 26.15	+ 2 2.2	2.249	3.182	8.0	18.7
5 1	12 21.26	+ 2 36.9	2.309	3.171	11.1	18.9
255789	2006 RY_{100}		3 31.3	209.°91	3.°5/28.1	17
2 21	13 7.52	+ 2 45.6	1.955	2.756	14.4	21.3
3 2	13 3.31	+ 3 29.8	1.865	2.751	11.3	21.0
3 12	12 56.76	+ 4 21.7	1.798	2.746	7.8	20.8
3 22	12 48.41	+ 5 15.9	1.758	2.740	4.4	20.6
4 1	12 39.07	+ 6 5.6	1.745	2.733	3.9	20.6
4 11	12 29.78	+ 6 44.5	1.761	2.726	7.0	20.7
4 21	12 21.51	+ 7 7.9	1.803	2.719	10.7	20.9
5 1	12 15.06	+ 7 13.5	1.868	2.711	14.1	21.1
505610	2014 EZ_{4}		3 31.3	311.°97	2.°0/ 2.3	17
2 21	13 4.11	−10 46.4	2.314	3.070	13.7	21.1
3 2	13 0.36	−11 2.1	2.211	3.063	11.2	20.9
3 12	12 54.62	−11 5.5	2.131	3.057	8.1	20.7
3 22	12 47.32	−10 57.4	2.076	3.051	4.7	20.5
4 1	12 39.14	−10 39.6	2.049	3.045	2.0	20.3
4 11	12 30.94	−10 15.8	2.051	3.039	3.9	20.4
4 21	12 23.52	− 9 50.2	2.081	3.033	7.4	20.6
5 1	12 17.59	− 9 27.3	2.137	3.028	10.6	20.8

323753 2005 OL 3 31.3 192.°66 2.°3/29.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.33	− 0 50.5	2.089	2.882	13.8	21.2
3 2	13 1.40	− 0 4.7	1.999	2.881	10.8	21.0
3 12	12 55.35	+ 0 51.2	1.932	2.879	7.3	20.8
3 22	12 47.67	+ 1 52.6	1.892	2.877	3.7	20.5
4 1	12 39.13	+ 2 53.4	1.880	2.874	2.6	20.4
4 11	12 30.65	+ 3 47.1	1.897	2.871	5.9	20.6
4 21	12 23.10	+ 4 28.5	1.942	2.867	9.5	20.9
5 1	12 17.20	+ 4 54.2	2.010	2.863	12.9	21.1

230085 2000 WX_{106} 3 31.3 214.°35 5.°3/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.00	−25 33.1	2.855	3.511	13.4	21.2
3 2	13 1.63	−25 47.7	2.736	3.501	11.7	21.0
3 12	12 55.39	−25 44.4	2.636	3.490	9.6	20.8
3 22	12 47.68	−25 21.8	2.560	3.479	7.4	20.7
4 1	12 39.12	−24 39.8	2.511	3.466	5.7	20.6
4 11	12 30.49	−23 41.3	2.491	3.453	5.5	20.5
4 21	12 22.54	−22 30.6	2.499	3.439	7.0	20.6
5 1	12 15.94	−21 14.0	2.536	3.424	9.3	20.7

26398 1999 VL_{188} 3 31.3 318.°34 1.°9/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.43	− 3 49.9	1.381	2.203	18.1	18.6
3 2	12 58.82	− 3 11.1	1.289	2.186	14.4	18.3
3 12	12 54.33	− 2 13.9	1.216	2.170	9.9	17.9
3 22	12 47.45	− 1 3.1	1.167	2.154	4.8	17.6
4 1	12 39.13	+ 0 13.1	1.142	2.139	2.2	17.4
4 11	12 30.72	+ 1 24.3	1.142	2.124	7.2	17.7
4 21	12 23.52	+ 2 21.0	1.165	2.111	12.5	17.9
5 1	12 18.61	+ 2 56.4	1.209	2.098	17.2	18.1

207995 1998 FM_{127} 3 31.3 31.°34 1.°7/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.78	− 1 22.0	1.239	2.062	19.8	19.7
3 2	13 4.59	− 1 20.7	1.174	2.071	15.6	19.5
3 12	12 58.15	− 1 7.5	1.128	2.080	10.6	19.2
3 22	12 49.20	− 0 47.1	1.104	2.091	5.2	18.9
4 1	12 39.02	− 0 25.8	1.104	2.102	2.0	18.8
4 11	12 29.16	− 0 10.8	1.130	2.114	6.9	19.1
4 21	12 20.99	− 0 7.5	1.179	2.127	12.1	19.4
5 1	12 15.49	− 0 19.1	1.249	2.140	16.5	19.7

86439 2000 CW_{18} 3 31.3 286.°00 3.°6/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.72	−13 13.1	1.456	2.234	19.5	18.9
3 2	13 3.24	−13 33.4	1.347	2.210	16.3	18.6
3 12	12 57.63	−13 32.9	1.256	2.185	12.2	18.3
3 22	12 49.24	−13 10.2	1.187	2.161	7.5	18.0
4 1	12 39.00	−12 26.5	1.142	2.136	3.7	17.7
4 11	12 28.33	−11 27.7	1.123	2.111	6.0	17.7
4 21	12 18.76	−10 22.7	1.127	2.087	11.2	18.0
5 1	12 11.61	− 9 21.8	1.154	2.062	16.3	18.2

217859 2001 QC_{115} 3 31.3 235.°88 3.°5/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.79	−16 8.0	2.239	2.968	14.9	21.4
3 2	13 2.72	−16 19.4	2.125	2.953	12.5	21.2
3 12	12 56.41	−16 14.1	2.031	2.939	9.5	21.0
3 22	12 48.29	−15 51.6	1.961	2.923	6.2	20.8
4 1	12 39.09	−15 13.1	1.920	2.907	3.7	20.6
4 11	12 29.74	−14 22.6	1.907	2.891	4.6	20.6
4 21	12 21.20	−13 25.9	1.922	2.874	7.9	20.8
5 1	12 14.28	−12 29.5	1.963	2.856	11.3	20.9

116193 2003 XK_{11} 3 31.3 67.°57 4.°5/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.46	+ 5 3.0	1.947	2.760	13.9	19.5
3 2	12 59.82	+ 6 15.6	1.891	2.784	10.8	19.4
3 12	12 54.12	+ 7 33.2	1.859	2.807	7.5	19.2
3 22	12 46.97	+ 8 48.6	1.853	2.830	4.9	19.1
4 1	12 39.20	+ 9 54.5	1.875	2.853	5.0	19.2
4 11	12 31.72	+10 44.7	1.924	2.876	7.6	19.4
4 21	12 25.34	+11 15.6	1.999	2.899	10.6	19.6
5 1	12 20.64	+11 26.2	2.097	2.922	13.4	19.8

498828 2008 VN_{48} 3 31.3 199.°43 7.°0/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.25	+19 34.8	2.730	3.521	11.0	22.1
3 2	13 3.15	+20 37.7	2.654	3.516	9.2	22.0
3 12	12 56.25	+21 36.0	2.603	3.512	7.6	21.9
3 22	12 48.02	+22 23.6	2.579	3.506	7.0	21.8
4 1	12 39.12	+22 54.9	2.583	3.500	7.6	21.8
4 11	12 30.35	+23 6.5	2.614	3.494	9.1	21.9
4 21	12 22.40	+22 57.2	2.671	3.486	11.0	22.0
5 1	12 15.88	+22 27.8	2.749	3.478	12.9	22.2

250074 2002 EE_{117} 3 31.3 292.°10 1.°5/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.08	− 1 38.1	2.445	3.236	12.1	21.3
3 2	12 57.75	− 1 4.8	2.352	3.232	9.5	21.1
3 12	12 52.69	− 0 22.9	2.283	3.229	6.4	20.9
3 22	12 46.31	+ 0 24.0	2.240	3.226	3.1	20.7
4 1	12 39.24	+ 1 11.2	2.227	3.222	1.8	20.6
4 11	12 32.22	+ 1 53.9	2.242	3.219	4.8	20.8
4 21	12 25.93	+ 2 27.9	2.285	3.216	8.0	21.0
5 1	12 20.98	+ 2 50.1	2.353	3.213	11.0	21.2

422225 2014 RL_{62} 3 31.3 166.°97 2.°5/28.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.22	− 3 46.7	2.095	2.883	14.0	21.6
3 2	13 0.48	− 2 4.6	2.008	2.888	10.9	21.4
3 12	12 54.67	− 0 6.7	1.946	2.893	7.3	21.2
3 22	12 47.32	+ 2 0.2	1.912	2.897	3.7	21.0
4 1	12 39.17	+ 4 7.3	1.908	2.900	3.0	20.9
4 11	12 31.14	+ 6 4.8	1.935	2.902	6.3	21.1
4 21	12 24.04	+ 7 45.2	1.991	2.904	10.0	21.4
5 1	12 18.56	+ 9 3.5	2.071	2.905	13.2	21.6

21309 1996 XH_5 3 31.3 123.°71 1.°6/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 9.15	− 9 16.9	1.707	2.480	17.2	19.0
3 2	13 4.93	− 9 26.2	1.624	2.488	13.9	18.8
3 12	12 58.04	− 9 19.8	1.561	2.495	9.9	18.6
3 22	12 49.09	− 8 59.3	1.522	2.501	5.4	18.3
4 1	12 39.04	− 8 28.1	1.510	2.508	1.6	18.1
4 11	12 29.12	− 7 51.7	1.526	2.514	4.9	18.3
4 21	12 20.44	− 7 16.6	1.568	2.520	9.3	18.6
5 1	12 13.89	− 6 48.5	1.635	2.526	13.3	18.9

134393 1997 AU_{19} 3 31.3 112.°91 1.°5/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.00	−11 50.8	2.641	3.386	12.5	20.3
3 2	12 59.05	−11 39.9	2.554	3.400	10.1	20.1
3 12	12 53.45	−11 16.2	2.491	3.414	7.2	20.0
3 22	12 46.63	−10 41.3	2.453	3.428	4.1	19.8
4 1	12 39.23	− 9 58.1	2.445	3.441	1.6	19.6
4 11	12 31.93	− 9 10.7	2.467	3.454	3.3	19.8
4 21	12 25.41	− 8 23.7	2.517	3.467	6.4	20.0
5 1	12 20.18	− 7 41.4	2.594	3.479	9.2	20.2

296695 2009 SY_{254} 3 31.3 187.°47 5.°3/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.01	+ 8 45.9	2.363	3.169	12.0	21.3
3 2	13 0.10	+10 15.2	2.282	3.168	9.5	21.1
3 12	12 54.31	+11 48.5	2.227	3.167	7.0	21.0
3 22	12 47.12	+13 18.6	2.200	3.166	5.4	20.9
4 1	12 39.19	+14 38.3	2.202	3.163	6.0	20.9
4 11	12 31.34	+15 41.3	2.233	3.160	8.2	21.0
4 21	12 24.32	+16 24.0	2.289	3.157	10.8	21.2
5 1	12 18.75	+16 44.9	2.368	3.152	13.3	21.3

336395 2008 UQ_{111} 3 31.3 196.°67 0.°7/ 1.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.94	− 7 53.5	2.193	2.962	14.0	21.6
3 2	13 1.05	− 7 46.8	2.098	2.961	11.2	21.4
3 12	12 55.09	− 7 27.8	2.024	2.960	7.8	21.1
3 22	12 47.55	− 6 58.2	1.977	2.958	4.1	20.9
4 1	12 39.16	− 6 21.6	1.958	2.957	0.7	20.6
4 11	12 30.80	− 5 42.8	1.968	2.955	4.1	20.9
4 21	12 23.31	− 5 6.8	2.006	2.953	7.9	21.1
5 1	12 17.40	− 4 38.0	2.069	2.951	11.3	21.3

85075 1444 T_{-2} 3 31.3 292.°53 0.°1/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.74	− 9 33.9	2.250	3.024	13.5	19.3
3 2	12 56.19	− 8 40.1	2.147	3.014	10.8	19.1
3 12	12 51.77	− 7 29.3	2.066	3.005	7.5	18.9
3 22	12 45.92	− 6 4.7	2.012	2.995	3.8	18.7
4 1	12 39.28	− 4 31.7	1.986	2.985	0.2	18.3
4 11	12 32.64	− 2 57.5	1.989	2.975	4.2	18.6
4 21	12 26.77	− 1 29.4	2.021	2.966	8.0	18.9
5 1	12 22.30	− 0 13.3	2.079	2.956	11.5	19.0

140717 2001 UQ_{92} 3 31.3 112.°39 3.°9/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.08	+ 6 41.7	2.378	3.181	12.0	19.9
3 2	13 0.05	+ 7 24.9	2.301	3.187	9.4	19.8
3 12	12 54.20	+ 8 11.0	2.249	3.193	6.6	19.6
3 22	12 47.03	+ 8 54.9	2.223	3.199	4.3	19.4
4 1	12 39.22	+ 9 31.5	2.226	3.205	4.3	19.5
4 11	12 31.54	+ 9 56.3	2.258	3.211	6.6	19.6
4 21	12 24.73	+10 6.5	2.316	3.216	9.4	19.8
5 1	12 19.35	+10 1.0	2.398	3.222	12.0	20.0

424628 2008 KD_5 3 31.3 270.°20 8.°8/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.03	+16 45.7	1.885	2.702	14.2	21.1
3 2	13 2.41	+18 14.6	1.803	2.685	11.8	20.9
3 12	12 56.31	+19 42.1	1.744	2.669	9.7	20.8
3 22	12 48.26	+20 58.7	1.711	2.652	8.8	20.7
4 1	12 39.13	+21 54.9	1.703	2.635	9.7	20.7
4 11	12 30.02	+22 24.0	1.720	2.618	12.0	20.8
4 21	12 21.97	+22 23.4	1.759	2.601	14.8	20.9
5 1	12 15.85	+21 53.9	1.818	2.583	17.4	21.1

385895 2006 SO_{234} 3 31.3 340.°51 2.°2/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.54	−11 44.1	2.279	3.031	14.0	20.6
3 2	13 0.70	−11 57.5	2.182	3.031	11.4	20.4
3 12	12 54.85	−11 57.7	2.107	3.030	8.3	20.2
3 22	12 47.45	−11 45.3	2.057	3.030	5.0	20.0
4 1	12 39.20	−11 22.3	2.035	3.029	2.3	19.8
4 11	12 30.96	−10 52.7	2.042	3.029	4.0	19.9
4 21	12 23.56	−10 20.9	2.077	3.029	7.3	20.1
5 1	12 17.69	− 9 51.9	2.137	3.028	10.6	20.3

272934 2006 BZ_{236} 3 31.4 144.°01 1.°0/30.3 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 4.96	− 3 36.7	2.097	2.883	14.0	21.0
3 2	13 1.07	− 3 9.1	2.011	2.888	11.0	20.8
3 12	12 55.09	− 2 30.6	1.949	2.893	7.5	20.6
3 22	12 47.54	− 1 44.9	1.912	2.897	3.6	20.4
4 1	12 39.20	− 0 56.9	1.904	2.901	1.3	20.2
4 11	12 30.96	− 0 12.4	1.924	2.905	4.9	20.5
4 21	12 23.67	+ 0 23.7	1.972	2.909	8.7	20.7
5 1	12 18.01	+ 0 47.7	2.045	2.913	12.0	20.9

61041 2000 KR_{60} 3 31.4 225.°09 2.°2/28.8 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 4.94	− 0 44.8	2.359	3.146	12.6	20.3
3 2	13 0.95	+ 0 5.7	2.255	3.134	9.9	20.1
3 12	12 55.00	+ 1 6.1	2.176	3.121	6.7	19.9
3 22	12 47.53	+ 2 12.1	2.123	3.108	3.5	19.6
4 1	12 39.20	+ 3 18.1	2.101	3.093	2.5	19.5
4 11	12 30.85	+ 4 17.8	2.107	3.078	5.6	19.7
4 21	12 23.25	+ 5 6.4	2.142	3.063	9.0	19.9
5 1	12 17.10	+ 5 40.0	2.202	3.046	12.2	20.1

468660 2008 WS_{78} 3 31.4 169.°37 2.°2/28.7 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 3.59	+ 0 9.6	2.435	3.225	12.2	21.8
3 2	12 59.68	+ 0 54.4	2.348	3.228	9.5	21.6
3 12	12 53.98	+ 1 47.1	2.285	3.231	6.4	21.4
3 22	12 46.96	+ 2 43.4	2.249	3.233	3.3	21.2
4 1	12 39.26	+ 3 38.0	2.243	3.235	2.5	21.2
4 11	12 31.64	+ 4 25.7	2.266	3.236	5.3	21.4
4 21	12 24.82	+ 5 2.4	2.317	3.238	8.4	21.6
5 1	12 19.39	+ 5 25.4	2.393	3.238	11.3	21.7

212416 2006 KV_{100} 3 31.4 290.°68 1.°0/ 1.1 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 4.81	− 8 26.6	1.516	2.309	18.1	21.4
3 2	13 2.19	− 8 24.3	1.414	2.291	14.7	21.1
3 12	12 56.65	− 8 4.0	1.331	2.273	10.5	20.8
3 22	12 48.66	− 7 27.2	1.272	2.254	5.6	20.4
4 1	12 39.12	− 6 37.9	1.237	2.236	1.0	20.1
4 11	12 29.37	− 5 43.5	1.229	2.218	5.6	20.3
4 21	12 20.74	− 4 52.4	1.245	2.200	10.9	20.6
5 1	12 14.36	− 4 12.2	1.284	2.182	15.7	20.8

435317 2007 UE_{122} 3 31.4 91.°95 1.°8/ 2.5 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 2.16	−13 5.9	2.353	3.102	13.7	22.0
3 2	12 58.62	−12 45.1	2.270	3.117	11.1	21.8
3 12	12 53.27	−12 8.6	2.209	3.133	8.0	21.7
3 22	12 46.60	−11 18.4	2.174	3.148	4.6	21.5
4 1	12 39.28	−10 18.3	2.167	3.163	1.8	21.3
4 11	12 32.11	− 9 13.5	2.189	3.177	3.6	21.5
4 21	12 25.80	− 8 9.8	2.240	3.192	6.9	21.7
5 1	12 20.92	− 7 12.4	2.317	3.206	10.0	21.9

64973 2002 AC_{10} 3 31.4 346.°61 3.°2/ 1.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 58.08	− 8 14.9	0.977	1.816	22.7	18.1
3 2	12 58.13	− 9 11.0	0.897	1.799	18.6	17.8
3 12	12 54.58	− 9 50.0	0.834	1.784	13.6	17.4
3 22	12 47.88	−10 10.9	0.789	1.772	7.9	17.1
4 1	12 39.17	−10 14.8	0.764	1.761	3.3	16.8
4 11	12 30.26	−10 7.2	0.760	1.753	6.9	16.9
4 21	12 22.97	− 9 56.0	0.777	1.747	12.9	17.2
5 1	12 18.76	− 9 49.7	0.812	1.744	18.5	17.5

341140 2007 PL_5 3 31.4 271.°05 5.°0/ 4.7 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 8.24	−18 54.8	2.333	3.040	14.9	21.0
3 2	13 3.98	−19 36.7	2.206	3.016	12.7	20.8
3 12	12 57.42	−20 3.7	2.101	2.991	10.1	20.5
3 22	12 48.90	−20 13.7	2.019	2.965	7.3	20.3
4 1	12 39.11	−20 6.0	1.964	2.939	5.2	20.1
4 11	12 29.01	−19 42.4	1.938	2.913	5.6	20.1
4 21	12 19.58	−19 7.0	1.940	2.886	8.2	20.2
5 1	12 11.74	−18 25.8	1.967	2.858	11.4	20.4

500229 2012 JA_2 3 31.4 336.°85 1.°6/ 1.9 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 59.29	−12 34.9	1.564	2.350	18.0	21.0
3 2	12 57.53	−12 6.0	1.473	2.343	14.6	20.7
3 12	12 53.20	−11 13.3	1.401	2.337	10.5	20.4
3 22	12 46.81	− 9 58.7	1.352	2.332	5.9	20.2
4 1	12 39.27	− 8 28.1	1.329	2.327	1.7	19.9
4 11	12 31.74	− 6 50.9	1.332	2.322	5.0	20.1
4 21	12 25.35	− 5 17.4	1.360	2.318	9.9	20.3
5 1	12 20.99	− 3 56.9	1.412	2.314	14.3	20.6

202419 2005 UP_{251} 3 31.4 217.°14 2.°6/29.7 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 10.33	+ 0 4.2	1.427	2.237	18.2	20.5
3 2	13 6.41	+ 0 20.5	1.346	2.236	14.4	20.2
3 12	12 59.39	+ 0 47.3	1.285	2.235	9.9	19.9
3 22	12 49.90	+ 1 19.6	1.248	2.234	5.0	19.6
4 1	12 39.06	+ 1 50.6	1.237	2.232	2.9	19.5
4 11	12 28.32	+ 2 12.9	1.252	2.231	7.3	19.8
4 21	12 19.04	+ 2 21.2	1.291	2.229	12.2	20.0
5 1	12 12.26	+ 2 12.4	1.353	2.228	16.5	20.3

338279 2002 TQ_{328} 3 31.4 13.°00 0.°9/30.3 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 59.93	− 6 13.0	2.046	2.836	14.2	21.4
3 2	12 57.23	− 5 17.3	1.958	2.836	11.2	21.2
3 12	12 52.53	− 4 6.5	1.892	2.837	7.6	21.0
3 22	12 46.32	− 2 44.8	1.852	2.838	3.6	20.7
4 1	12 39.31	− 1 18.7	1.840	2.838	1.2	20.6
4 11	12 32.39	+ 0 4.2	1.857	2.839	5.0	20.8
4 21	12 26.35	+ 1 17.1	1.902	2.840	8.9	21.1
5 1	12 21.87	+ 2 14.7	1.970	2.841	12.3	21.3

106438 2000 VK_{52} 3 31.4 239.°83 1.°4/29.7 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 4.54	− 0 39.4	2.842	3.620	10.9	20.2
3 2	13 0.26	− 0 20.2	2.733	3.606	8.6	20.1
3 12	12 54.34	+ 0 5.4	2.649	3.592	5.8	19.9
3 22	12 47.16	+ 0 34.5	2.593	3.577	2.9	19.6
4 1	12 39.27	+ 1 3.8	2.567	3.562	1.6	19.5
4 11	12 31.35	+ 1 29.4	2.571	3.547	4.3	19.7
4 21	12 24.04	+ 1 48.1	2.604	3.531	7.3	19.9
5 1	12 17.93	+ 1 57.6	2.663	3.515	10.1	20.0

389696 2011 QK_{52} 3 31.4 113.°93 1.°8/29.1 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 0.77	− 1 59.6	2.442	3.233	12.1	21.3
3 2	12 57.45	− 1 4.6	2.360	3.241	9.4	21.1
3 12	12 52.44	− 0 0.1	2.302	3.249	6.3	21.0
3 22	12 46.20	+ 1 9.5	2.271	3.257	3.1	20.8
4 1	12 39.33	+ 2 18.8	2.270	3.264	2.1	20.7
4 11	12 32.59	+ 3 21.9	2.298	3.272	5.0	20.9
4 21	12 26.61	+ 4 14.3	2.354	3.279	8.1	21.1
5 1	12 21.96	+ 4 52.7	2.435	3.286	10.9	21.3

341158 2007 PD_{45} 3 31.4 262.°25 0.°3/31.1 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 2.37	− 6 13.7	2.098	2.881	14.1	21.5
3 2	12 59.13	− 5 45.9	2.005	2.879	11.2	21.3
3 12	12 53.85	− 5 4.9	1.934	2.876	7.7	21.1
3 22	12 46.99	− 4 13.9	1.889	2.873	3.8	20.8
4 1	12 39.28	− 3 17.6	1.871	2.871	0.5	20.5
4 11	12 31.62	− 2 22.1	1.883	2.868	4.6	20.9
4 21	12 24.83	− 1 33.0	1.921	2.865	8.5	21.1
5 1	12 19.62	− 0 55.2	1.985	2.862	11.9	21.3

106807 2000 XE_{37} 3 31.4 209.°09 3.°6/ 4.9 18 R

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 4.58	−18 43.3	3.045	3.743	11.9	20.3
3 2	13 0.29	−19 2.9	2.933	3.737	10.0	20.1
3 12	12 54.37	−19 9.2	2.842	3.731	7.8	20.0
3 22	12 47.18	−19 2.0	2.777	3.725	5.5	19.8
4 1	12 39.27	−18 42.0	2.741	3.718	3.8	19.7
4 11	12 31.32	−18 11.5	2.734	3.710	4.1	19.7
4 21	12 23.97	−17 34.0	2.756	3.703	6.1	19.8
5 1	12 17.79	−16 54.0	2.806	3.694	8.5	20.0

457372 2008 TU_{16} 3 31.4 201.°71 2.°7/28.8 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 8.30	− 0 53.3	1.889	2.682	15.1	22.6
3 2	13 4.07	+ 0 2.2	1.796	2.678	11.8	22.3
3 12	12 57.39	+ 1 10.1	1.726	2.672	8.1	22.1
3 22	12 48.80	+ 2 24.7	1.682	2.666	4.2	21.8
4 1	12 39.16	+ 3 38.8	1.666	2.659	3.1	21.7
4 11	12 29.54	+ 4 44.4	1.680	2.651	6.7	21.9
4 21	12 20.96	+ 5 35.1	1.720	2.642	10.7	22.2
5 1	12 14.27	+ 6 7.0	1.783	2.632	14.4	22.4

300 Geraldina 3 31.4 182.°04 0.°2/31.2 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 1.82	− 5 57.4	2.615	3.387	11.9	15.3
3 2	12 58.22	− 5 35.0	2.520	3.387	9.4	15.1
3 12	12 52.97	− 5 2.5	2.448	3.388	6.5	14.9
3 22	12 46.47	− 4 22.4	2.404	3.387	3.2	14.7
4 1	12 39.33	− 3 38.3	2.388	3.387	0.3	14.4
4 11	12 32.23	− 2 54.6	2.402	3.387	3.7	14.7
4 21	12 25.83	− 2 15.6	2.445	3.386	7.0	14.9
5 1	12 20.70	− 1 44.9	2.513	3.386	9.9	15.1

38121 1999 JO_{42} 3 31.4 228.°70 1.°6/29.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 8.17	− 2 33.3	1.979	2.765	14.7	19.8
3 2	13 3.95	− 2 2.2	1.876	2.753	11.7	19.6
3 12	12 57.34	− 1 19.4	1.796	2.740	8.0	19.3
3 22	12 48.81	− 0 28.7	1.742	2.727	3.9	19.0
4 1	12 39.16	+ 0 24.3	1.716	2.713	1.8	18.9
4 11	12 29.45	+ 1 13.0	1.719	2.698	5.7	19.1
4 21	12 20.68	+ 1 51.8	1.749	2.682	9.9	19.3
5 1	12 13.70	+ 2 16.2	1.804	2.665	13.7	19.5

470049 2006 SZ_{169} 3 31.4 255.°56 0.°7/ 1.2 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 0.43	−10 14.5	2.380	3.145	13.2	22.2
3 2	12 57.42	− 9 39.7	2.276	3.136	10.6	22.0
3 12	12 52.59	− 8 49.7	2.194	3.127	7.5	21.8
3 22	12 46.35	− 7 46.9	2.138	3.119	3.9	21.6
4 1	12 39.35	− 6 35.4	2.111	3.110	0.7	21.3
4 11	12 32.34	− 5 21.0	2.113	3.101	3.8	21.5
4 21	12 26.07	− 4 10.0	2.144	3.092	7.4	21.7
5 1	12 21.16	− 3 7.7	2.200	3.083	10.7	21.9

124476 2001 RB_7 3 31.4 178.°01 0.°5/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.97	− 4 50.1	2.296	3.068	13.4	21.4
3 2	13 2.50	− 4 28.4	2.202	3.070	10.6	21.2
3 12	12 56.03	− 3 56.1	2.132	3.072	7.2	21.0
3 22	12 48.04	− 3 15.9	2.088	3.072	3.5	20.8
4 1	12 39.24	− 2 32.1	2.074	3.073	0.7	20.5
4 11	12 30.51	− 1 49.9	2.089	3.072	4.4	20.8
4 21	12 22.64	− 1 13.8	2.133	3.071	8.1	21.0
5 1	12 16.32	− 0 47.7	2.202	3.069	11.3	21.2

211517 2003 QV_{51} 3 31.4 148.°15 0.°9/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.95	− 4 3.4	1.833	2.618	15.8	21.0
3 2	13 4.52	− 3 42.6	1.750	2.626	12.4	20.8
3 12	12 57.64	− 3 9.6	1.689	2.633	8.5	20.5
3 22	12 48.89	− 2 28.1	1.654	2.639	4.1	20.3
4 1	12 39.18	− 1 43.3	1.647	2.645	1.1	20.1
4 11	12 29.62	− 1 1.6	1.668	2.651	5.3	20.4
4 21	12 21.22	− 0 28.5	1.716	2.656	9.6	20.6
5 1	12 14.78	− 0 8.1	1.788	2.660	13.3	20.9

255244 2005 UC_{485} 3 31.4 276.°15 0.°1/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.66	− 8 20.3	2.534	3.304	12.3	20.7
3 2	12 56.76	− 7 29.8	2.416	3.282	9.8	20.4
3 12	12 52.13	− 6 24.4	2.322	3.261	6.8	20.2
3 22	12 46.14	− 5 7.0	2.256	3.239	3.4	19.9
4 1	12 39.37	− 3 42.3	2.218	3.217	0.3	19.6
4 11	12 32.52	− 2 16.3	2.211	3.195	4.0	19.9
4 21	12 26.30	− 0 55.3	2.232	3.173	7.6	20.1
5 1	12 21.33	+ 0 15.1	2.280	3.150	10.9	20.3

374081 2004 RJ_{167} 3 31.4 190.°05 0.°7/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.92	− 3 0.8	2.263	3.038	13.5	21.7
3 2	13 4.08	− 2 55.6	2.168	3.037	10.6	21.5
3 12	12 57.15	− 2 41.8	2.095	3.036	7.3	21.2
3 22	12 48.61	− 2 22.2	2.050	3.034	3.5	21.0
4 1	12 39.21	− 2 0.2	2.033	3.032	0.9	20.8
4 11	12 29.85	− 1 40.2	2.047	3.029	4.5	21.1
4 21	12 21.38	− 1 25.9	2.089	3.026	8.3	21.3
5 1	12 14.51	− 1 20.5	2.156	3.023	11.6	21.5

345973 2007 TN_{105} 3 31.4 202.°50 2.°8/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.83	−16 6.8	2.512	3.240	13.5	21.8
3 2	12 59.23	−16 0.2	2.407	3.237	11.1	21.6
3 12	12 53.79	−15 37.4	2.324	3.234	8.4	21.5
3 22	12 46.94	−14 59.1	2.266	3.230	5.4	21.3
4 1	12 39.33	−14 7.5	2.236	3.226	3.0	21.1
4 11	12 31.71	−13 7.0	2.236	3.221	3.9	21.1
4 21	12 24.84	−12 3.0	2.264	3.217	6.8	21.3
5 1	12 19.35	−11 1.3	2.319	3.212	9.8	21.5

90599 4542 P–L 3 31.4 244.°74 0.°1/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.15	− 6 57.9	2.871	3.634	11.2	20.7
3 2	12 58.44	− 6 36.0	2.757	3.618	8.9	20.5
3 12	12 53.13	− 6 3.8	2.666	3.602	6.2	20.3
3 22	12 46.59	− 5 23.5	2.603	3.586	3.1	20.1
4 1	12 39.36	− 4 38.1	2.570	3.569	0.2	19.8
4 11	12 32.07	− 3 51.8	2.567	3.552	3.5	20.0
4 21	12 25.37	− 3 8.6	2.593	3.534	6.6	20.2
5 1	12 19.80	− 2 32.4	2.645	3.516	9.5	20.4

471831 2012 XQ_{61} 3 31.4 102.°22 4.°5/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.55	−22 31.3	2.439	3.138	14.5	20.9
3 2	12 57.53	−22 22.9	2.340	3.141	12.3	20.8
3 12	12 52.66	−21 54.1	2.261	3.145	9.8	20.6
3 22	12 46.38	−21 4.7	2.205	3.148	7.0	20.4
4 1	12 39.37	−19 56.7	2.176	3.151	4.8	20.3
4 11	12 32.43	−18 34.9	2.176	3.154	4.8	20.3
4 21	12 26.29	−17 5.5	2.204	3.157	6.9	20.4
5 1	12 21.58	−15 35.8	2.259	3.160	9.7	20.6

297424 2000 SC_{68} 3 31.4 119.°81 0.°7/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 9.77	− 5 4.7	1.860	2.639	15.8	21.6
3 2	13 4.99	− 4 37.1	1.786	2.658	12.4	21.4
3 12	12 57.84	− 3 56.5	1.735	2.677	8.5	21.2
3 22	12 48.93	− 3 6.9	1.709	2.694	4.1	21.0
4 1	12 39.21	− 2 13.8	1.712	2.711	0.9	20.8
4 11	12 29.75	− 1 23.8	1.744	2.727	5.1	21.1
4 21	12 21.50	− 0 42.6	1.803	2.742	9.2	21.4
5 1	12 15.21	− 0 14.3	1.887	2.757	12.8	21.6

130138 1999 XT_{145} 3 31.4 245.°43 2.°2/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.42	− 0 16.6	2.114	2.910	13.6	20.2
3 2	13 0.74	+ 0 17.1	2.020	2.903	10.7	20.0
3 12	12 54.97	+ 0 59.7	1.948	2.895	7.2	19.8
3 22	12 47.58	+ 1 47.1	1.903	2.888	3.7	19.5
4 1	12 39.30	+ 2 33.8	1.886	2.880	2.5	19.4
4 11	12 31.04	+ 3 14.1	1.897	2.872	5.7	19.6
4 21	12 23.65	+ 3 43.2	1.936	2.864	9.4	19.8
5 1	12 17.87	+ 3 58.0	1.999	2.856	12.7	20.0

249150 2008 AA_{72} 3 31.4 318.°10 4.°3/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.11	−18 59.3	2.213	2.939	15.1	20.1
3 2	12 58.25	−19 12.6	2.108	2.931	12.8	19.9
3 12	12 53.34	−19 7.3	2.024	2.923	9.9	19.7
3 22	12 46.81	−18 42.9	1.962	2.916	6.9	19.5
4 1	12 39.36	−18 0.6	1.928	2.909	4.6	19.3
4 11	12 31.86	−17 4.5	1.920	2.902	4.9	19.3
4 21	12 25.17	−16 0.6	1.940	2.895	7.6	19.5
5 1	12 20.04	−14 55.5	1.985	2.888	10.7	19.7

122234 2000 OO_7 3 31.4 201.°44 10.°6/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 15.96	−42 16.0	2.962	3.463	15.3	20.6
3 2	13 10.19	−43 42.7	2.850	3.457	14.3	20.5
3 12	13 1.79	−44 50.1	2.754	3.451	13.2	20.4
3 22	12 51.15	−45 33.1	2.677	3.444	12.0	20.2
4 1	12 39.05	−45 47.5	2.622	3.436	11.1	20.2
4 11	12 26.62	−45 32.1	2.590	3.428	10.6	20.1
4 21	12 14.99	−44 49.4	2.582	3.419	10.8	20.1
5 1	12 5.21	−43 44.8	2.598	3.408	11.5	20.1

344245 2001 SQ_{155} 3 31.4 167.°82 0.°2/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.51	− 6 54.2	3.171	3.925	10.4	22.1
3 2	12 59.19	− 6 36.0	3.074	3.930	8.2	22.0
3 12	12 53.46	− 6 9.1	3.002	3.935	5.7	21.8
3 22	12 46.69	− 5 35.5	2.957	3.939	2.9	21.6
4 1	12 39.38	− 4 57.9	2.943	3.942	0.2	21.4
4 11	12 32.13	− 4 19.9	2.960	3.945	3.1	21.6
4 21	12 25.49	− 3 44.7	3.007	3.947	5.9	21.8
5 1	12 19.91	− 3 15.5	3.081	3.949	8.4	22.0

200153 1998 QY_{70} 3 31.4 207.°04 1.°7/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.21	−13 18.5	2.753	3.489	12.2	20.9
3 2	12 59.33	−12 57.1	2.643	3.482	10.0	20.8
3 12	12 53.77	−12 21.4	2.556	3.475	7.3	20.6
3 22	12 46.92	−11 32.9	2.496	3.468	4.3	20.4
4 1	12 39.37	−10 34.2	2.464	3.460	1.8	20.2
4 11	12 31.81	− 9 29.9	2.464	3.451	3.4	20.3
4 21	12 24.91	− 8 25.0	2.492	3.442	6.4	20.5
5 1	12 19.25	− 7 24.7	2.548	3.432	9.4	20.6

179394 2001 YM_{114} 3 31.4 175.°23 0.°5/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.45	− 4 0.7	2.775	3.545	11.4	20.8
3 2	13 0.16	− 3 48.0	2.680	3.546	8.9	20.6
3 12	12 54.24	− 3 27.2	2.608	3.548	6.1	20.4
3 22	12 47.12	− 3 1.0	2.565	3.549	3.0	20.2
4 1	12 39.36	− 2 32.2	2.551	3.549	0.6	20.0
4 11	12 31.65	− 2 4.8	2.567	3.550	3.7	20.2
4 21	12 24.64	− 1 41.9	2.612	3.550	6.8	20.4
5 1	12 18.85	− 1 26.5	2.684	3.550	9.6	20.6

388397 2006 VT_{32} 3 31.4 157.°95 0.°2/31.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.13	− 6 8.9	2.932	3.696	10.9	22.4
3 2	12 58.25	− 5 41.7	2.839	3.702	8.6	22.2
3 12	12 52.88	− 5 5.2	2.770	3.708	5.9	22.0
3 22	12 46.42	− 4 21.8	2.730	3.713	2.9	21.8
4 1	12 39.42	− 3 34.9	2.719	3.718	0.3	21.6
4 11	12 32.48	− 2 48.7	2.738	3.722	3.4	21.9
4 21	12 26.19	− 2 6.8	2.787	3.726	6.4	22.1
5 1	12 21.03	− 1 32.6	2.862	3.730	9.0	22.2

97118 1999 VS_{94} 3 31.4 108.°98 0.°6/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.55	− 4 26.6	2.068	2.852	14.3	20.0
3 2	13 1.56	− 4 8.2	1.986	2.860	11.2	19.8
3 12	12 55.46	− 3 38.7	1.926	2.869	7.7	19.6
3 22	12 47.79	− 3 1.5	1.892	2.877	3.7	19.3
4 1	12 39.33	− 2 21.0	1.886	2.885	0.8	19.1
4 11	12 31.00	− 1 42.8	1.909	2.893	4.7	19.4
4 21	12 23.65	− 1 11.5	1.959	2.900	8.5	19.7
5 1	12 17.96	− 0 50.9	2.035	2.908	11.9	19.9

231339 2006 DS_{201} 3 31.4 93.°01 4.°5/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.00	+ 5 57.9	1.920	2.730	14.2	20.2
3 2	13 2.07	+ 6 43.9	1.845	2.735	11.2	20.0
3 12	12 55.89	+ 7 34.3	1.793	2.739	7.8	19.8
3 22	12 48.03	+ 8 23.1	1.766	2.744	5.0	19.6
4 1	12 39.33	+ 9 3.4	1.767	2.748	4.9	19.6
4 11	12 30.80	+ 9 29.7	1.795	2.752	7.6	19.8
4 21	12 23.35	+ 9 38.4	1.849	2.757	11.0	20.0
5 1	12 17.69	+ 9 28.6	1.926	2.761	14.0	20.2

380058 2013 RB_{82} 3 31.4 178.°05 0.°3/31.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.21	−10 9.3	2.422	3.180	13.1	22.3
3 2	12 59.49	− 9 18.3	2.324	3.182	10.5	22.1
3 12	12 53.95	− 8 11.7	2.250	3.183	7.3	21.9
3 22	12 47.03	− 6 52.4	2.203	3.184	3.7	21.7
4 1	12 39.40	− 5 25.4	2.185	3.184	0.4	21.4
4 11	12 31.84	− 3 57.2	2.198	3.184	3.9	21.7
4 21	12 25.06	− 2 34.3	2.240	3.183	7.5	21.9
5 1	12 19.68	− 1 22.1	2.308	3.181	10.7	22.1

200165 1999 CH_{144} 3 31.4 4.°82 0.°1/31.4 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 1.91	− 6 33.9	1.967	2.754	14.8	20.9
3 2	12 58.92	− 6 17.3	1.879	2.754	11.7	20.7
3 12	12 53.80	− 5 47.3	1.812	2.754	8.1	20.5
3 22	12 47.04	− 5 6.9	1.771	2.755	4.0	20.2
4 1	12 39.40	− 4 20.6	1.757	2.756	0.3	19.9
4 11	12 31.84	− 3 34.3	1.771	2.758	4.5	20.2
4 21	12 25.22	− 2 53.5	1.812	2.759	8.6	20.5
5 1	12 20.25	− 2 23.0	1.877	2.761	12.1	20.7

69757 1998 OD_7 3 31.4 17.°89 4.°6/ 4.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 4.13	−17 9.3	1.815	2.560	17.3	18.4
3 2	13 1.04	−17 39.3	1.726	2.562	14.5	18.2
3 12	12 55.47	−17 49.8	1.656	2.565	11.2	18.0
3 22	12 47.94	−17 39.8	1.609	2.568	7.6	17.8
4 1	12 39.34	−17 10.5	1.587	2.572	4.9	17.7
4 11	12 30.76	−16 26.5	1.592	2.575	5.5	17.7
4 21	12 23.27	−15 34.4	1.623	2.579	8.7	17.9
5 1	12 17.71	−14 41.8	1.679	2.584	12.2	18.1

285287 1998 ST_{78} 3 31.4 221.°04 1.°7/ 1.8 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 9.31	−10 28.0	1.753	2.519	17.1	21.7
3 2	13 5.28	−10 29.0	1.652	2.511	13.9	21.5
3 12	12 58.52	−10 12.8	1.572	2.503	10.0	21.2
3 22	12 49.54	− 9 40.4	1.515	2.493	5.6	20.9
4 1	12 39.23	− 8 55.1	1.486	2.483	1.8	20.7
4 11	12 28.82	− 8 2.9	1.484	2.473	5.0	20.8
4 21	12 19.51	− 7 11.1	1.510	2.461	9.6	21.1
5 1	12 12.29	− 6 26.8	1.559	2.449	13.9	21.3

109673 2001 RF_{23} 3 31.4 99.°36 0.°6/30.8 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 5.71	− 5 55.5	1.881	2.666	15.4	20.3
3 2	13 1.83	− 5 20.3	1.808	2.682	12.1	20.1
3 12	12 55.70	− 4 31.1	1.756	2.699	8.3	19.9
3 22	12 47.92	− 3 32.1	1.730	2.715	4.0	19.6
4 1	12 39.35	− 2 29.1	1.732	2.731	0.8	19.4
4 11	12 31.01	− 1 29.1	1.762	2.746	5.0	19.7
4 21	12 23.79	− 0 38.1	1.820	2.761	9.0	20.0
5 1	12 18.38	− 0 0.6	1.901	2.776	12.5	20.3

511897 2015 HG_{26} 3 31.4 290.°54 0.°7/30.6 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 1.67	− 4 55.8	2.191	2.978	13.5	21.7
3 2	12 58.51	− 4 23.8	2.098	2.974	10.6	21.4
3 12	12 53.40	− 3 39.9	2.027	2.971	7.3	21.2
3 22	12 46.81	− 2 47.3	1.983	2.968	3.5	21.0
4 1	12 39.42	− 1 51.1	1.966	2.965	0.9	20.8
4 11	12 32.08	− 0 56.9	1.979	2.962	4.6	21.0
4 21	12 25.56	− 0 10.3	2.018	2.958	8.3	21.3
5 1	12 20.52	+ 0 24.6	2.083	2.955	11.7	21.5

379878 2012 HN_{47} 3 31.4 310.°36 3.°9/ 4.1 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 58.64	−17 53.2	1.617	2.379	18.5	20.7
3 2	12 57.21	−17 40.2	1.509	2.358	15.6	20.4
3 12	12 53.18	−16 59.7	1.418	2.337	11.9	20.1
3 22	12 46.96	−15 50.9	1.350	2.317	7.8	19.8
4 1	12 39.40	−14 16.7	1.306	2.297	4.2	19.6
4 11	12 31.68	−12 24.8	1.288	2.277	5.4	19.6
4 21	12 24.96	−10 26.6	1.296	2.258	9.7	19.8
5 1	12 20.29	− 8 34.1	1.328	2.240	14.3	20.0

21361 Carsonmark 3 31.4 112.°05 1.°2/ 1.6 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 4.53	−11 15.3	1.769	2.541	16.7	18.2
3 2	13 1.20	−10 47.1	1.687	2.551	13.5	17.9
3 12	12 55.45	− 9 59.5	1.626	2.560	9.5	17.7
3 22	12 47.87	− 8 55.1	1.589	2.569	5.2	17.5
4 1	12 39.36	− 7 39.5	1.579	2.577	1.2	17.2
4 11	12 31.00	− 6 20.4	1.597	2.586	4.6	17.5
4 21	12 23.79	− 5 6.0	1.642	2.594	9.0	17.8
5 1	12 18.49	− 4 3.3	1.712	2.602	12.8	18.0

128412 2004 LZ_{16} 3 31.4 250.°58 3.°1/27.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 3.84	+ 4 59.0	2.772	3.566	10.8	20.4
3 2	12 59.79	+ 5 36.4	2.668	3.550	8.5	20.2
3 12	12 54.09	+ 6 17.8	2.589	3.533	5.9	20.0
3 22	12 47.10	+ 6 59.4	2.538	3.516	3.6	19.8
4 1	12 39.41	+ 7 36.6	2.516	3.499	3.4	19.8
4 11	12 31.70	+ 8 5.2	2.523	3.481	5.7	19.9
4 21	12 24.61	+ 8 22.1	2.559	3.463	8.4	20.0
5 1	12 18.74	+ 8 25.4	2.619	3.445	11.0	20.2

100356 1995 TC_7 3 31.4 247.°36 0.°5/31.8 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 7.04	− 7 56.4	1.969	2.741	15.3	21.3
3 2	13 3.20	− 7 42.7	1.859	2.724	12.3	21.1
3 12	12 56.95	− 7 14.1	1.771	2.707	8.7	20.8
3 22	12 48.72	− 6 32.6	1.707	2.689	4.5	20.5
4 1	12 39.30	− 5 42.0	1.672	2.671	0.5	20.2
4 11	12 29.73	− 4 48.5	1.665	2.652	4.7	20.4
4 21	12 21.04	− 3 58.5	1.686	2.632	9.2	20.6
5 1	12 14.14	− 3 17.9	1.731	2.612	13.2	20.8

121231 1999 RD_{31} 3 31.4 133.°65 7.°2/ 3.0 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 28.20	−13 17.2	1.315	2.059	22.8	19.6
3 2	13 21.53	−15 20.3	1.231	2.067	19.2	19.3
3 12	13 10.56	−17 11.9	1.165	2.074	14.9	19.0
3 22	12 55.85	−18 44.8	1.123	2.081	10.3	18.8
4 1	12 38.83	−19 52.4	1.107	2.087	7.3	18.6
4 11	12 21.66	−20 32.8	1.118	2.093	8.7	18.7
4 21	12 6.45	−20 50.3	1.156	2.099	12.8	19.0
5 1	11 54.80	−20 53.8	1.217	2.104	17.2	19.2

88118 2000 WQ_{134} 3 31.4 224.°13 3.°6/ 5.2 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 2.86	−19 49.2	3.031	3.726	12.0	20.1
3 2	12 59.01	−19 56.5	2.914	3.716	10.2	19.9
3 12	12 53.55	−19 49.2	2.819	3.706	8.0	19.8
3 22	12 46.85	−19 27.2	2.749	3.695	5.6	19.6
4 1	12 39.44	−18 51.4	2.707	3.684	3.9	19.5
4 11	12 31.98	−18 4.7	2.695	3.672	4.0	19.4
4 21	12 25.10	−17 11.0	2.711	3.660	6.0	19.6
5 1	12 19.38	−16 15.3	2.756	3.647	8.5	19.7

364744 2007 VB_{268} 3 31.4 228.°70 4.°9/27.0 16

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 7.68	+ 5 10.2	1.791	2.601	15.1	21.4
3 2	13 3.77	+ 6 9.8	1.703	2.592	11.9	21.1
3 12	12 57.32	+ 7 16.9	1.636	2.583	8.4	20.9
3 22	12 48.87	+ 8 24.4	1.595	2.573	5.4	20.7
4 1	12 39.30	+ 9 24.1	1.582	2.563	5.4	20.7
4 11	12 29.75	+10 8.4	1.596	2.552	8.5	20.8
4 21	12 21.29	+10 32.2	1.635	2.541	12.2	21.0
5 1	12 14.80	+10 33.7	1.696	2.529	15.7	21.2

114556 2003 BR_{50} 3 31.4 250.°91 7.°4/ 6.8 18 R

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 8.68	−24 49.9	2.149	2.828	16.8	20.1
3 2	13 4.66	−25 44.3	2.032	2.812	14.7	19.9
3 12	12 58.09	−26 19.9	1.935	2.795	12.2	19.7
3 22	12 49.37	−26 32.8	1.859	2.778	9.7	19.5
4 1	12 39.26	−26 21.0	1.808	2.761	7.7	19.3
4 11	12 28.87	−25 45.7	1.784	2.743	7.6	19.3
4 21	12 19.31	−24 51.9	1.787	2.725	9.4	19.4
5 1	12 11.60	−23 47.1	1.814	2.706	12.2	19.5

177360 2004 BU_4 3 31.4 131.°89 1.°1/30.4 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 8.15	− 3 43.7	1.982	2.765	14.8	20.9
3 2	13 3.65	− 3 13.9	1.903	2.778	11.6	20.7
3 12	12 56.92	− 2 32.7	1.847	2.791	7.9	20.5
3 22	12 48.53	− 1 44.0	1.817	2.803	3.8	20.3
4 1	12 39.33	− 0 53.1	1.816	2.814	1.3	20.1
4 11	12 30.32	− 0 6.4	1.844	2.825	5.1	20.4
4 21	12 22.40	+ 0 31.1	1.899	2.835	9.0	20.7
5 1	12 16.27	+ 0 55.7	1.979	2.845	12.5	20.9

160324 2003 ME_{10} 3 31.4 306.°14 6.°7/ 5.5 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 3.77	−20 33.2	1.780	2.511	18.1	20.2
3 2	13 1.33	−21 21.7	1.658	2.480	15.7	19.9
3 12	12 56.15	−21 50.5	1.555	2.449	12.8	19.7
3 22	12 48.55	−21 56.1	1.473	2.418	9.5	19.4
4 1	12 39.31	−21 36.5	1.414	2.388	7.1	19.2
4 11	12 29.60	−20 53.5	1.382	2.357	7.3	19.1
4 21	12 20.72	−19 53.1	1.374	2.327	10.2	19.2
5 1	12 13.85	−18 44.2	1.389	2.297	14.0	19.3

204564 2005 EQ_{281} 3 31.4 248.°68 5.°3/25.1 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 2.49	+ 8 51.3	2.220	3.033	12.5	20.3
3 2	12 59.12	+10 2.9	2.137	3.027	9.9	20.1
3 12	12 53.81	+11 18.0	2.078	3.021	7.2	19.9
3 22	12 47.01	+12 30.0	2.046	3.014	5.4	19.8
4 1	12 39.43	+13 31.7	2.042	3.008	5.9	19.8
4 11	12 31.92	+14 17.3	2.065	3.001	8.2	19.9
4 21	12 25.25	+14 43.2	2.114	2.995	11.0	20.1
5 1	12 20.08	+14 48.2	2.185	2.988	13.7	20.3

242202 2003 QE_{20} 3 31.4 218.°19 2.°7/28.6 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 6.92	− 0 11.9	2.094	2.885	13.9	21.7
3 2	13 2.80	+ 0 42.3	1.994	2.875	10.9	21.5
3 12	12 56.47	+ 1 47.4	1.919	2.865	7.4	21.2
3 22	12 48.40	+ 2 58.3	1.869	2.853	3.9	21.0
4 1	12 39.34	+ 4 8.4	1.849	2.841	3.0	20.9
4 11	12 30.26	+ 5 10.5	1.858	2.828	6.3	21.1
4 21	12 22.07	+ 5 59.1	1.894	2.814	10.1	21.3
5 1	12 15.54	+ 6 30.2	1.955	2.799	13.5	21.5

463581 2013 SX_{18} 3 31.4 107.°81 0.°7/30.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 0.82	− 9 13.3	1.929	2.711	15.2	21.0
3 2	12 58.07	− 7 47.1	1.843	2.716	12.0	20.8
3 12	12 53.20	− 6 0.5	1.780	2.722	8.2	20.6
3 22	12 46.74	− 3 58.7	1.743	2.728	3.9	20.3
4 1	12 39.47	− 1 50.3	1.735	2.733	1.0	20.1
4 11	12 32.33	+ 0 14.5	1.757	2.739	5.2	20.4
4 21	12 26.16	+ 2 6.5	1.807	2.744	9.3	20.7
5 1	12 21.66	+ 3 38.9	1.882	2.750	12.9	20.9

503216 2015 HB_{40} 3 31.4 45.°91 1.°9/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.13	−17 33.2	1.946	2.694	16.3	20.3
3 2	12 56.71	−16 16.8	1.864	2.709	13.2	20.1
3 12	12 52.22	−14 34.4	1.803	2.724	9.6	19.9
3 22	12 46.22	−12 29.9	1.767	2.740	5.6	19.7
4 1	12 39.50	−10 10.5	1.759	2.756	2.1	19.5
4 11	12 33.00	− 7 46.5	1.782	2.772	4.1	19.6
4 21	12 27.52	− 5 28.7	1.834	2.788	8.0	19.9
5 1	12 23.67	− 3 26.0	1.913	2.805	11.6	20.2

273658 2007 DA_{87} 3 31.4 0.°68 0.°5/31.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.76	− 7 17.2	1.418	2.226	18.5	21.1
3 2	12 59.70	− 7 13.1	1.338	2.224	14.8	20.9
3 12	12 54.83	− 6 51.4	1.277	2.223	10.3	20.6
3 22	12 47.73	− 6 15.0	1.238	2.223	5.3	20.3
4 1	12 39.40	− 5 29.1	1.224	2.223	0.5	20.0
4 11	12 31.15	− 4 41.6	1.236	2.225	5.5	20.3
4 21	12 24.20	− 4 0.1	1.272	2.228	10.6	20.6
5 1	12 19.49	− 3 31.2	1.329	2.231	15.0	20.9

181447 2006 TD_{19} 3 31.4 57.°05 1.°1/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.99	− 1 54.2	2.208	2.996	13.3	20.4
3 2	13 0.95	− 1 43.0	2.129	3.007	10.4	20.2
3 12	12 54.97	− 1 23.8	2.073	3.017	7.1	20.0
3 22	12 47.55	− 0 59.8	2.043	3.028	3.4	19.8
4 1	12 39.42	− 0 35.0	2.042	3.039	1.3	19.6
4 11	12 31.45	− 0 13.9	2.069	3.050	4.6	19.9
4 21	12 24.40	+ 0 0.1	2.124	3.062	8.1	20.1
5 1	12 18.90	+ 0 4.2	2.204	3.073	11.3	20.4

140454 2001 TB_{124} 3 31.4 120.°51 3.°6/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.53	−18 2.9	2.573	3.286	13.5	20.4
3 2	13 0.48	−18 16.8	2.481	3.297	11.3	20.3
3 12	12 54.61	−18 15.2	2.410	3.307	8.7	20.1
3 22	12 47.38	−17 58.1	2.363	3.317	5.9	19.9
4 1	12 39.44	−17 26.8	2.345	3.326	3.9	19.8
4 11	12 31.57	−16 45.0	2.356	3.336	4.2	19.9
4 21	12 24.49	−15 57.2	2.395	3.345	6.6	20.0
5 1	12 18.80	−15 8.7	2.460	3.354	9.3	20.2

403815 2011 UA_{130} 3 31.4 325.°64 1.°6/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.19	− 4 16.4	1.240	2.065	19.6	20.8
3 2	13 0.56	− 3 46.8	1.156	2.055	15.6	20.5
3 12	12 55.76	− 2 58.0	1.091	2.045	10.7	20.2
3 22	12 48.33	− 1 54.9	1.048	2.035	5.2	19.9
4 1	12 39.37	− 0 45.6	1.029	2.027	1.9	19.6
4 11	12 30.37	+ 0 18.8	1.034	2.019	7.3	19.9
4 21	12 22.79	+ 1 8.9	1.061	2.011	12.9	20.2
5 1	12 17.76	+ 1 37.8	1.109	2.005	17.8	20.5

337420 2001 QX_{333} 3 31.4 221.°49 2.°5/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.45	−18 23.2	4.796	5.482	8.0	20.3
3 2	12 55.68	−18 41.8	4.683	5.479	6.7	20.1
3 12	12 50.92	−18 52.1	4.593	5.477	5.2	20.0
3 22	12 45.45	−18 54.2	4.531	5.474	3.7	19.9
4 1	12 39.58	−18 48.7	4.497	5.471	2.6	19.8
4 11	12 33.70	−18 36.9	4.494	5.468	2.7	19.8
4 21	12 28.16	−18 20.6	4.521	5.466	4.0	19.9
5 1	12 23.29	−18 2.2	4.577	5.463	5.5	20.0

452381 2002 CR_{159} 3 31.4 42.°48 10.°2/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 24.99	−17 51.6	1.249	1.987	24.1	20.2
3 2	13 18.99	−20 34.9	1.182	2.005	20.7	20.0
3 12	13 8.74	−23 1.4	1.134	2.025	16.7	19.8
3 22	12 54.88	−25 1.0	1.107	2.045	12.8	19.6
4 1	12 38.96	−26 25.0	1.105	2.066	10.4	19.6
4 11	12 23.13	−27 11.2	1.128	2.087	10.8	19.6
4 21	12 9.47	−27 25.2	1.175	2.109	13.5	19.9
5 1	11 59.45	−27 18.3	1.244	2.132	16.8	20.1

200477 2000 YY_5 3 31.4 49.°28 22.°9/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 14.56	+39 38.8	1.028	1.834	24.0	19.2
3 2	13 11.52	+42 34.4	1.014	1.840	23.1	19.2
3 12	13 3.62	+44 51.3	1.015	1.846	22.9	19.2
3 22	12 52.11	+46 12.3	1.031	1.853	23.5	19.2
4 1	12 39.17	+46 26.8	1.061	1.860	24.7	19.3
4 11	12 27.33	+45 34.8	1.103	1.867	26.1	19.5
4 21	12 18.45	+43 45.6	1.156	1.874	27.6	19.6
5 1	12 13.46	+41 11.7	1.219	1.882	29.0	19.8

130653 2000 SO_{88} 3 31.4 203.°52 2.°6/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.15	+ 0 23.1	1.870	2.665	15.1	20.4
3 2	13 4.79	+ 0 58.0	1.779	2.662	11.9	20.2
3 12	12 57.95	+ 1 42.4	1.711	2.657	8.1	20.0
3 22	12 49.18	+ 2 31.4	1.668	2.652	4.2	19.7
4 1	12 39.34	+ 3 18.8	1.653	2.647	3.0	19.6
4 11	12 29.55	+ 3 57.9	1.667	2.641	6.5	19.8
4 21	12 20.83	+ 4 23.7	1.708	2.634	10.5	20.0
5 1	12 14.03	+ 4 33.0	1.772	2.627	14.2	20.2

177894 2005 QY_{177} 3 31.4 253.°04 2.°2/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.35	+ 0 27.5	2.600	3.392	11.4	20.5
3 2	12 57.97	+ 1 12.5	2.499	3.381	8.9	20.3
3 12	12 52.91	+ 2 5.3	2.422	3.369	6.1	20.1
3 22	12 46.56	+ 3 1.8	2.373	3.357	3.2	19.9
4 1	12 39.52	+ 3 57.1	2.353	3.345	2.5	19.9
4 11	12 32.47	+ 4 46.3	2.363	3.333	5.2	20.0
4 21	12 26.07	+ 5 25.1	2.400	3.320	8.2	20.2
5 1	12 20.92	+ 5 50.6	2.463	3.307	11.0	20.3

105755 2000 SA_{99} 3 31.4 117.°81 2.°4/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.80	−12 34.0	1.629	2.398	18.1	20.3
3 2	13 3.30	−12 31.6	1.547	2.406	14.7	20.1
3 12	12 57.10	−12 9.0	1.484	2.413	10.7	19.8
3 22	12 48.80	−11 27.5	1.444	2.419	6.2	19.6
4 1	12 39.38	−10 30.9	1.430	2.426	2.5	19.4
4 11	12 30.08	− 9 26.6	1.443	2.432	4.9	19.5
4 21	12 22.05	− 8 22.8	1.483	2.438	9.4	19.8
5 1	12 16.18	− 7 27.0	1.546	2.444	13.5	20.1

383655 2007 TD_{99} 3 31.4 136.°45 0.°6/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.89	− 5 14.7	2.388	3.165	12.8	22.0
3 2	12 59.23	− 4 43.5	2.300	3.171	10.0	21.9
3 12	12 53.77	− 4 1.3	2.236	3.177	6.8	21.7
3 22	12 46.98	− 3 11.3	2.199	3.183	3.3	21.5
4 1	12 39.50	− 2 18.1	2.190	3.189	0.7	21.2
4 11	12 32.13	− 1 26.9	2.211	3.194	4.2	21.5
4 21	12 25.55	− 0 42.3	2.260	3.199	7.6	21.7
5 1	12 20.37	− 0 8.1	2.335	3.204	10.7	21.9

140316 2001 SE_{322} 3 31.4 101.°94 3.°3/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.97	+ 1 36.4	1.905	2.708	14.6	20.4
3 2	13 1.97	+ 2 33.9	1.838	2.725	11.3	20.2
3 12	12 55.78	+ 3 39.6	1.793	2.741	7.7	20.0
3 22	12 47.99	+ 4 47.4	1.775	2.757	4.3	19.8
4 1	12 39.45	+ 5 50.2	1.784	2.773	3.7	19.8
4 11	12 31.17	+ 6 41.2	1.822	2.789	6.8	20.0
4 21	12 24.00	+ 7 16.0	1.886	2.804	10.2	20.3
5 1	12 18.61	+ 7 32.3	1.974	2.818	13.4	20.5

324478 2006 UQ_{100} 3 31.4 23.°33 4.°0/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.06	+ 1 6.3	1.285	2.120	18.5	20.2
3 2	12 59.99	+ 1 58.1	1.223	2.128	14.4	20.0
3 12	12 55.00	+ 3 1.9	1.181	2.137	9.8	19.7
3 22	12 47.78	+ 4 9.8	1.161	2.147	5.3	19.5
4 1	12 39.46	+ 5 11.8	1.166	2.157	4.5	19.5
4 11	12 31.45	+ 5 58.6	1.195	2.169	8.4	19.8
4 21	12 24.91	+ 6 24.3	1.248	2.182	12.9	20.0
5 1	12 20.74	+ 6 26.4	1.320	2.195	16.9	20.3

7277 Klass 3 31.4 224.°87 1.°8/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.37	− 1 29.3	2.336	3.121	12.8	19.0
3 2	13 1.35	− 0 49.7	2.233	3.110	10.1	18.8
3 12	12 55.36	− 0 0.4	2.154	3.099	6.8	18.5
3 22	12 47.84	+ 0 54.7	2.102	3.087	3.4	18.3
4 1	12 39.46	+ 1 50.6	2.079	3.074	2.1	18.2
4 11	12 31.05	+ 2 41.4	2.086	3.061	5.2	18.4
4 21	12 23.41	+ 3 22.4	2.121	3.047	8.8	18.5
5 1	12 17.24	+ 3 50.0	2.180	3.033	12.0	18.7

189828 2002 TD_{266} 3 31.4 178.°97 2.°5/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 11.68	− 0 4.4	1.899	2.687	15.2	21.0
3 2	13 6.67	+ 0 31.2	1.812	2.690	12.0	20.8
3 12	12 59.18	+ 1 16.3	1.747	2.692	8.2	20.5
3 22	12 49.77	+ 2 6.3	1.708	2.692	4.2	20.3
4 1	12 39.34	+ 2 54.9	1.698	2.692	2.8	20.2
4 11	12 29.01	+ 3 35.5	1.717	2.691	6.3	20.4
4 21	12 19.81	+ 4 3.1	1.764	2.689	10.3	20.6
5 1	12 12.58	+ 4 14.8	1.834	2.686	13.9	20.9

203324 2001 TM_{113} 3 31.4 241.°50 2.°8/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.54	−13 23.5	1.517	2.291	19.0	20.7
3 2	13 2.67	−13 24.6	1.428	2.289	15.6	20.4
3 12	12 56.92	−13 3.5	1.357	2.286	11.5	20.2
3 22	12 48.83	−12 20.5	1.309	2.283	6.9	19.9
4 1	12 39.40	−11 19.5	1.285	2.281	3.0	19.6
4 11	12 29.97	−10 7.8	1.288	2.278	5.3	19.8
4 21	12 21.81	− 8 55.0	1.317	2.275	10.1	20.0
5 1	12 15.93	− 7 50.2	1.368	2.272	14.5	20.3

522909 2016 PM_{107} 3 31.4 233.°82 0.°7/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.36	− 7 55.1	2.632	3.391	12.2	22.0
3 2	13 0.33	− 7 53.7	2.527	3.384	9.8	21.8
3 12	12 54.54	− 7 42.1	2.445	3.377	6.9	21.6
3 22	12 47.40	− 7 21.9	2.389	3.369	3.6	21.4
4 1	12 39.50	− 6 55.6	2.363	3.361	0.7	21.1
4 11	12 31.58	− 6 26.8	2.366	3.353	3.5	21.3
4 21	12 24.34	− 5 59.4	2.398	3.345	6.8	21.5
5 1	12 18.39	− 5 37.1	2.457	3.336	9.9	21.7

58103 1979 MQ_5 3 31.4 187.°69 3.°6/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.67	−18 35.4	2.532	3.247	13.7	20.2
3 2	12 59.15	−18 39.6	2.430	3.247	11.5	20.0
3 12	12 53.80	−18 27.0	2.348	3.246	8.8	19.8
3 22	12 47.04	−17 57.7	2.292	3.245	6.1	19.6
4 1	12 39.52	−17 13.4	2.262	3.245	3.9	19.5
4 11	12 32.02	−16 17.9	2.262	3.243	4.3	19.5
4 21	12 25.26	−15 16.5	2.290	3.242	6.7	19.7
5 1	12 19.87	−14 14.9	2.344	3.241	9.6	19.8

190044 2004 RB_{113} 3 31.4 209.°17 4.°6/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.95	−22 17.8	2.716	3.398	13.6	21.1
3 2	13 1.70	−22 30.0	2.601	3.390	11.6	20.9
3 12	12 55.56	−22 25.0	2.507	3.382	9.3	20.8
3 22	12 47.94	−22 1.8	2.437	3.373	6.8	20.6
4 1	12 39.47	−21 21.0	2.394	3.363	4.9	20.4
4 11	12 30.94	−20 25.7	2.381	3.353	4.9	20.4
4 21	12 23.11	−19 20.7	2.396	3.342	6.9	20.5
5 1	12 16.65	−18 11.9	2.439	3.330	9.5	20.7

209125 2003 SK_{192} 3 31.4 206.°83 0.°2/31.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.95	− 6 20.3	1.913	2.689	15.5	20.6
3 2	13 4.65	− 6 12.3	1.817	2.685	12.4	20.4
3 12	12 57.90	− 5 51.2	1.742	2.680	8.7	20.1
3 22	12 49.20	− 5 19.4	1.692	2.675	4.4	19.9
4 1	12 39.40	− 4 40.9	1.670	2.669	0.3	19.5
4 11	12 29.59	− 4 1.5	1.677	2.663	4.8	19.9
4 21	12 20.80	− 3 26.9	1.711	2.656	9.2	20.1
5 1	12 13.90	− 3 1.9	1.770	2.649	13.1	20.3

200665 2001 TQ_{90} 3 31.4 110.°98 2.°4/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 10.46	−11 13.6	1.580	2.349	18.5	20.9
3 2	13 6.23	−11 26.2	1.502	2.362	15.0	20.7
3 12	12 59.13	−11 20.7	1.444	2.373	10.9	20.5
3 22	12 49.82	−10 57.7	1.409	2.385	6.2	20.2
4 1	12 39.36	−10 20.8	1.400	2.396	2.4	20.0
4 11	12 29.09	− 9 36.3	1.418	2.407	5.1	20.2
4 21	12 20.21	− 8 51.5	1.463	2.417	9.6	20.5
5 1	12 13.64	− 8 13.3	1.531	2.427	13.7	20.7

265376 2004 RG_{227} 3 31.4 343.°60 1.°4/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.31	− 6 25.7	1.651	2.436	17.2	19.8
3 2	13 5.39	− 7 1.8	1.560	2.431	13.9	19.6
3 12	12 58.66	− 7 27.1	1.488	2.426	9.9	19.3
3 22	12 49.67	− 7 42.1	1.441	2.422	5.3	19.1
4 1	12 39.37	− 7 48.8	1.420	2.418	1.4	18.8
4 11	12 29.03	− 7 51.0	1.427	2.415	5.1	19.0
4 21	12 19.87	− 7 52.9	1.459	2.412	9.7	19.3
5 1	12 12.90	− 7 59.1	1.515	2.410	13.9	19.5

229538 2005 YM_{75} 3 31.4 31.°88 0.°8/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.64	− 8 7.0	1.773	2.557	16.3	21.0
3 2	13 1.36	− 8 1.8	1.688	2.560	13.0	20.7
3 12	12 55.65	− 7 41.6	1.624	2.563	9.2	20.5
3 22	12 48.07	− 7 8.5	1.584	2.566	4.8	20.3
4 1	12 39.48	− 6 26.8	1.571	2.570	0.8	20.0
4 11	12 30.98	− 5 42.7	1.585	2.573	4.7	20.3
4 21	12 23.58	− 5 2.4	1.626	2.577	9.0	20.5
5 1	12 18.09	− 4 31.4	1.690	2.582	12.9	20.8

209096 2003 SW_{49} 3 31.4 247.°81 3.°8/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.41	−15 0.0	1.774	2.524	17.5	21.1
3 2	13 3.89	−15 19.0	1.669	2.513	14.6	20.8
3 12	12 57.67	−15 19.0	1.584	2.501	11.0	20.6
3 22	12 49.22	−14 59.1	1.522	2.489	7.1	20.3
4 1	12 39.40	−14 20.7	1.486	2.477	4.0	20.1
4 11	12 29.42	−13 28.6	1.477	2.464	5.3	20.1
4 21	12 20.47	−12 30.2	1.495	2.450	9.3	20.3
5 1	12 13.57	−11 33.5	1.537	2.437	13.4	20.5

237568 2001 BG_7 3 31.4 120.°61 3.°0/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.31	−15 24.9	2.357	3.084	14.3	21.5
3 2	13 2.76	−15 33.5	2.271	3.100	11.7	21.4
3 12	12 56.22	−15 26.5	2.207	3.116	8.8	21.2
3 22	12 48.22	−15 4.4	2.168	3.132	5.6	21.0
4 1	12 39.48	−14 29.3	2.158	3.147	3.2	20.9
4 11	12 30.87	−13 45.4	2.176	3.161	4.1	21.0
4 21	12 23.18	−12 57.9	2.224	3.175	7.0	21.2
5 1	12 17.05	−12 12.0	2.297	3.188	10.0	21.4

208486 2001 VX_{50} 3 31.4 188.°26 1.°2/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.57	−10 10.6	2.826	3.571	11.7	21.0
3 2	13 0.33	−10 8.6	2.723	3.570	9.5	20.9
3 12	12 54.45	− 9 55.8	2.644	3.569	6.8	20.7
3 22	12 47.33	− 9 33.5	2.591	3.567	3.8	20.5
4 1	12 39.54	− 9 3.9	2.568	3.565	1.3	20.3
4 11	12 31.76	− 8 30.5	2.576	3.563	3.2	20.4
4 21	12 24.64	− 7 57.1	2.612	3.560	6.3	20.6
5 1	12 18.73	− 7 27.4	2.676	3.557	9.1	20.8

360339 2001 UY_{13} 3 31.4 85.°76 4.°2/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 10.53	+ 2 26.5	1.491	2.303	17.5	21.0
3 2	13 6.02	+ 3 24.6	1.437	2.328	13.6	20.8
3 12	12 58.75	+ 4 31.3	1.403	2.353	9.3	20.6
3 22	12 49.50	+ 5 38.6	1.395	2.378	5.2	20.4
4 1	12 39.42	+ 6 37.7	1.414	2.402	4.6	20.5
4 11	12 29.81	+ 7 21.0	1.459	2.425	8.1	20.7
4 21	12 21.76	+ 7 44.0	1.529	2.449	12.0	21.0
5 1	12 16.02	+ 7 45.6	1.621	2.471	15.5	21.3

66397 1999 KP_{14} 3 31.4 257.°02 0.°1/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.17	− 7 30.8	1.884	2.663	15.7	20.2
3 2	13 2.72	− 7 1.0	1.771	2.641	12.6	19.9
3 12	12 56.77	− 6 14.2	1.680	2.619	8.8	19.6
3 22	12 48.75	− 5 12.9	1.613	2.597	4.5	19.3
4 1	12 39.45	− 4 2.2	1.574	2.573	0.3	18.9
4 11	12 29.94	− 2 49.4	1.563	2.549	5.2	19.2
4 21	12 21.32	− 1 42.4	1.580	2.524	9.9	19.4
5 1	12 14.52	− 0 47.9	1.621	2.499	14.1	19.6

241914 2002 AZ_{54} 3 31.4 243.°70 6.°7/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.17	−28 0.1	2.657	3.305	14.5	20.3
3 2	13 0.52	−28 39.9	2.546	3.299	12.8	20.2
3 12	12 54.88	−29 1.4	2.454	3.291	10.8	20.0
3 22	12 47.67	−29 2.2	2.384	3.284	8.8	19.9
4 1	12 39.54	−28 41.3	2.340	3.277	7.2	19.7
4 11	12 31.31	−28 0.7	2.322	3.269	6.8	19.7
4 21	12 23.81	−27 4.5	2.331	3.262	7.9	19.8
5 1	12 17.75	−25 58.7	2.366	3.254	9.8	19.9

406491 2007 VS_{29} 3 31.4 357.°70 2.°8/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.77	+ 0 51.9	1.436	2.251	17.9	20.5
3 2	13 5.20	+ 1 7.9	1.357	2.250	14.2	20.2
3 12	12 58.62	+ 1 33.5	1.299	2.249	9.7	20.0
3 22	12 49.66	+ 2 3.4	1.263	2.249	5.0	19.7
4 1	12 39.42	+ 2 30.8	1.254	2.249	3.1	19.6
4 11	12 29.30	+ 2 48.6	1.270	2.249	7.3	19.8
4 21	12 20.59	+ 2 52.1	1.311	2.249	12.0	20.1
5 1	12 14.31	+ 2 38.4	1.374	2.250	16.3	20.3

437339 2013 ST_{76} 3 31.4 170.°39 10.°0/26.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 27.78	+17 9.4	1.309	2.110	20.1	21.5
3 2	13 20.59	+17 46.3	1.240	2.113	16.7	21.3
3 12	13 9.36	+18 15.6	1.190	2.116	13.0	21.1
3 22	12 54.99	+18 25.6	1.164	2.119	10.4	20.9
4 1	12 39.10	+18 6.1	1.163	2.120	10.5	20.9
4 11	12 23.72	+17 12.8	1.188	2.121	13.2	21.1
4 21	12 10.62	+15 48.3	1.237	2.121	16.9	21.3
5 1	12 0.94	+13 59.2	1.306	2.120	20.6	21.5

281052 2006 HH_{153} 3 31.4 118.°25 1.°7/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.90	− 1 58.6	2.131	2.923	13.6	21.2
3 2	13 0.27	− 1 23.9	2.048	2.928	10.7	21.0
3 12	12 54.62	− 0 39.3	1.987	2.933	7.2	20.8
3 22	12 47.48	+ 0 10.9	1.952	2.938	3.5	20.5
4 1	12 39.57	+ 1 1.5	1.946	2.942	1.9	20.4
4 11	12 31.77	+ 1 46.7	1.969	2.947	5.2	20.6
4 21	12 24.88	+ 2 21.9	2.019	2.951	8.8	20.9
5 1	12 19.55	+ 2 43.7	2.093	2.956	12.0	21.1

480462 2015 LA_4 3 31.4 262.°08 4.°7/26.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.81	+11 41.2	2.688	3.477	11.2	21.8
3 2	13 4.57	+12 8.0	2.584	3.458	9.0	21.7
3 12	12 57.44	+12 34.1	2.506	3.439	6.7	21.5
3 22	12 48.87	+12 54.9	2.455	3.419	5.0	21.3
4 1	12 39.49	+13 5.7	2.433	3.399	5.1	21.3
4 11	12 30.10	+13 2.9	2.442	3.379	7.1	21.4
4 21	12 21.44	+12 44.8	2.477	3.358	9.6	21.5
5 1	12 14.17	+12 11.2	2.538	3.337	12.1	21.7

469135 2015 EE_{65} 3 31.4 263.°76 1.°3/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.54	−12 17.2	2.317	3.074	13.7	20.6
3 2	12 57.66	−11 43.5	2.210	3.064	11.1	20.3
3 12	12 52.89	−10 52.7	2.125	3.054	8.0	20.1
3 22	12 46.67	− 9 46.8	2.066	3.043	4.4	19.9
4 1	12 39.62	− 8 29.8	2.035	3.033	1.3	19.6
4 11	12 32.56	− 7 7.9	2.034	3.022	3.8	19.8
4 21	12 26.24	− 5 47.6	2.060	3.012	7.5	20.0
5 1	12 21.33	− 4 35.3	2.113	3.001	10.9	20.2

98618 2000 WZ_{81} 3 31.4 220.°17 2.°9/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.80	−14 41.2	1.910	2.657	16.5	20.4
3 2	13 3.12	−14 39.6	1.806	2.650	13.7	20.2
3 12	12 56.97	−14 18.5	1.723	2.642	10.2	19.9
3 22	12 48.81	−13 38.1	1.663	2.633	6.3	19.7
4 1	12 39.49	−12 41.0	1.631	2.624	3.1	19.5
4 11	12 30.09	−11 33.1	1.626	2.614	4.7	19.5
4 21	12 21.67	−10 21.9	1.649	2.603	8.7	19.8
5 1	12 15.14	− 9 15.2	1.697	2.592	12.6	20.0

415989 2002 AC_{19} 3 31.4 135.°87 1.°9/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.93	+ 0 18.2	2.161	2.945	13.7	21.2
3 2	13 4.89	+ 0 35.3	2.080	2.956	10.7	21.0
3 12	12 57.73	+ 0 59.2	2.022	2.966	7.3	20.8
3 22	12 49.00	+ 1 26.2	1.992	2.976	3.7	20.6
4 1	12 39.49	+ 1 51.8	1.990	2.985	2.1	20.5
4 11	12 30.16	+ 2 11.4	2.018	2.994	5.3	20.7
4 21	12 21.84	+ 2 21.6	2.074	3.003	8.8	21.0
5 1	12 15.22	+ 2 20.1	2.155	3.010	12.0	21.2

211886 2004 JD_7 3 31.4 300.°98 0.°3/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.37	−10 26.2	2.183	2.956	13.9	20.3
3 2	12 56.13	− 9 5.8	2.068	2.935	11.1	20.1
3 12	12 51.95	− 7 23.8	1.976	2.915	7.7	19.9
3 22	12 46.25	− 5 24.1	1.910	2.894	3.8	19.6
4 1	12 39.66	− 3 13.3	1.875	2.874	0.5	19.3
4 11	12 33.00	− 1 0.8	1.870	2.854	4.7	19.5
4 21	12 27.07	+ 1 4.0	1.894	2.834	8.8	19.7
5 1	12 22.58	+ 2 53.1	1.943	2.814	12.5	19.9

424030 2006 YE_7 3 31.4 132.°03 2.°0/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.58	−14 30.8	2.170	2.911	15.0	22.0
3 2	13 1.56	−14 1.7	2.084	2.925	12.2	21.9
3 12	12 55.49	−13 14.1	2.020	2.939	8.9	21.7
3 22	12 47.90	−12 9.9	1.981	2.953	5.2	21.5
4 1	12 39.56	−10 53.4	1.971	2.966	2.1	21.3
4 11	12 31.38	− 9 31.0	1.990	2.978	3.9	21.4
4 21	12 24.18	− 8 9.8	2.038	2.989	7.5	21.7
5 1	12 18.60	− 6 56.3	2.112	3.000	10.8	21.9

368752 2005 UB_{481} 3 31.4 127.°89 5.°8/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.97	+11 41.7	2.338	3.141	12.2	21.8
3 2	13 2.35	+13 1.5	2.278	3.159	9.7	21.6
3 12	12 55.85	+14 21.3	2.243	3.176	7.3	21.5
3 22	12 48.01	+15 34.0	2.236	3.193	5.9	21.4
4 1	12 39.56	+16 33.2	2.257	3.209	6.4	21.5
4 11	12 31.34	+17 13.9	2.306	3.224	8.4	21.6
4 21	12 24.09	+17 34.1	2.380	3.239	10.8	21.8
5 1	12 18.37	+17 33.6	2.477	3.253	13.0	22.0

243775 2000 RA_{101} 3 31.4 294.°41 4.°9/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.89	−22 38.6	1.534	2.274	20.2	20.5
3 2	12 58.64	−22 4.2	1.410	2.242	17.4	20.2
3 12	12 54.51	−20 52.1	1.304	2.210	13.8	19.9
3 22	12 47.86	−18 58.6	1.219	2.178	9.5	19.5
4 1	12 39.54	−16 24.6	1.158	2.146	5.5	19.2
4 11	12 30.86	−13 19.8	1.125	2.114	6.0	19.2
4 21	12 23.20	−10 0.6	1.118	2.081	10.8	19.3
5 1	12 17.80	− 6 46.4	1.136	2.049	16.1	19.5

347733 2001 YU_{90} 3 31.4 145.°25 5.°2/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.09	−26 47.1	3.131	3.776	12.5	21.6
3 2	12 59.93	−27 3.8	3.032	3.786	10.9	21.5
3 12	12 54.17	−27 3.8	2.952	3.796	9.0	21.4
3 22	12 47.20	−26 46.2	2.897	3.806	7.1	21.2
4 1	12 39.62	−26 11.5	2.868	3.815	5.6	21.1
4 11	12 32.08	−25 22.1	2.868	3.823	5.2	21.1
4 21	12 25.23	−24 22.1	2.896	3.831	6.3	21.2
5 1	12 19.59	−23 16.6	2.951	3.839	8.1	21.3

392132 2009 FO_{71} 3 31.4 328.°66 8.°4/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.93	+15 54.6	1.894	2.721	13.7	20.3
3 2	12 58.42	+17 21.9	1.816	2.706	11.3	20.2
3 12	12 53.64	+18 48.0	1.761	2.691	9.3	20.0
3 22	12 47.11	+20 3.9	1.731	2.677	8.4	19.9
4 1	12 39.62	+21 0.8	1.726	2.663	9.3	19.9
4 11	12 32.18	+21 32.2	1.746	2.650	11.5	20.0
4 21	12 25.72	+21 35.3	1.788	2.637	14.2	20.2
5 1	12 21.00	+21 10.6	1.849	2.625	16.8	20.3

436014 2009 HX_{22} 3 31.4 283.°85 0.°1/31.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.73	− 8 28.0	2.459	3.230	12.6	21.1
3 2	12 56.97	− 7 37.8	2.340	3.207	10.1	20.9
3 12	12 52.41	− 6 32.1	2.245	3.184	7.0	20.7
3 22	12 46.45	− 5 13.8	2.177	3.160	3.5	20.4
4 1	12 39.66	− 3 47.6	2.137	3.137	0.3	20.1
4 11	12 32.78	− 2 19.9	2.128	3.113	4.1	20.4
4 21	12 26.54	− 0 57.1	2.147	3.089	7.8	20.6
5 1	12 21.58	+ 0 14.8	2.192	3.065	11.1	20.7

33914 2000 LN_{14} 3 31.4 178.°07 5.°2/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.60	+15 30.8	3.193	3.986	9.5	19.7
3 2	13 0.10	+16 29.6	3.118	3.988	7.7	19.5
3 12	12 54.14	+17 26.4	3.068	3.990	6.1	19.4
3 22	12 47.15	+18 16.4	3.047	3.991	5.2	19.4
4 1	12 39.64	+18 55.0	3.055	3.991	5.7	19.4
4 11	12 32.22	+19 19.1	3.091	3.991	7.2	19.5
4 21	12 25.45	+19 27.0	3.153	3.990	9.0	19.6
5 1	12 19.80	+19 18.7	3.239	3.989	10.7	19.7

113049 2002 RM_{52} 3 31.4 185.°18 1.°2/30.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.21	− 3 6.4	2.410	3.193	12.5	20.2
3 2	12 59.53	− 2 31.0	2.317	3.193	9.8	20.0
3 12	12 54.04	− 1 45.9	2.249	3.192	6.6	19.8
3 22	12 47.20	− 0 54.5	2.207	3.192	3.2	19.6
4 1	12 39.63	− 0 1.5	2.194	3.191	1.4	19.4
4 11	12 32.12	+ 0 47.8	2.211	3.190	4.6	19.6
4 21	12 25.38	+ 1 29.0	2.255	3.188	8.0	19.8
5 1	12 20.03	+ 1 58.4	2.325	3.187	11.0	20.0

521332 2015 LV_{43} 3 31.4 285.°25 2.°8/28.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.34	+ 1 11.4	2.370	3.171	12.1	21.4
3 2	12 57.39	+ 2 7.1	2.273	3.160	9.5	21.2
3 12	12 52.65	+ 3 11.4	2.200	3.148	6.4	21.0
3 22	12 46.54	+ 4 19.4	2.154	3.137	3.6	20.8
4 1	12 39.67	+ 5 25.3	2.137	3.126	3.2	20.7
4 11	12 32.80	+ 6 23.1	2.148	3.114	5.9	20.9
4 21	12 26.65	+ 7 8.1	2.187	3.103	9.1	21.1
5 1	12 21.84	+ 7 37.2	2.249	3.092	12.0	21.2

79549 1998 QH_{44} 3 31.4 241.°07 3.°7/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.24	+ 0 3.2	1.661	2.469	16.2	19.4
3 2	13 2.98	+ 1 12.1	1.565	2.456	12.8	19.2
3 12	12 57.04	+ 2 35.8	1.492	2.442	8.8	18.9
3 22	12 48.92	+ 4 7.5	1.443	2.427	4.8	18.6
4 1	12 39.53	+ 5 37.9	1.422	2.412	4.2	18.6
4 11	12 30.05	+ 6 56.9	1.428	2.396	8.0	18.7
4 21	12 21.65	+ 7 56.7	1.460	2.380	12.4	18.9
5 1	12 15.32	+ 8 32.5	1.513	2.363	16.4	19.2

365173 2009 EX_{11} 3 31.4 13.°30 3.°2/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.45	− 0 23.6	1.233	2.066	19.3	21.0
3 2	13 1.36	+ 0 13.3	1.165	2.068	15.1	20.7
3 12	12 56.16	+ 1 4.1	1.115	2.071	10.3	20.5
3 22	12 48.51	+ 2 1.9	1.087	2.074	5.3	20.2
4 1	12 39.57	+ 2 57.5	1.084	2.079	3.6	20.1
4 11	12 30.85	+ 3 41.1	1.105	2.084	8.0	20.4
4 21	12 23.66	+ 4 6.0	1.149	2.090	13.0	20.7
5 1	12 18.99	+ 4 8.7	1.213	2.097	17.4	20.9

272458 2005 UE_{54} 3 31.4 189.°24 0.°8/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.60	− 4 48.6	2.297	3.073	13.3	22.1
3 2	13 1.53	− 4 15.2	2.202	3.072	10.5	21.9
3 12	12 55.50	− 3 30.3	2.130	3.071	7.2	21.7
3 22	12 47.96	− 2 37.1	2.084	3.069	3.5	21.5
4 1	12 39.61	− 1 40.5	2.068	3.066	1.0	21.3
4 11	12 31.31	− 0 46.1	2.081	3.063	4.5	21.5
4 21	12 23.84	+ 0 0.9	2.122	3.059	8.2	21.7
5 1	12 17.87	+ 0 36.6	2.189	3.055	11.5	21.9

416851 2005 MM_{13} 3 31.4 186.°96 16.°1/15.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 22.20	+29 28.3	1.441	2.232	19.0	22.4
3 2	13 16.37	+32 17.9	1.395	2.234	17.2	22.3
3 12	13 6.61	+34 52.0	1.371	2.234	16.2	22.2
3 22	12 53.74	+36 52.9	1.368	2.232	16.4	22.2
4 1	12 39.27	+38 6.5	1.387	2.228	17.7	22.3
4 11	12 25.19	+38 26.7	1.426	2.222	19.7	22.4
4 21	12 13.22	+37 56.5	1.482	2.214	21.9	22.5
5 1	12 4.54	+36 43.9	1.551	2.205	23.9	22.7

297660 2001 UE_{25} 3 31.4 245.°31 3.°2/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.87	−18 18.7	2.826	3.535	12.5	21.4
3 2	12 59.23	−18 11.8	2.703	3.517	10.5	21.3
3 12	12 53.88	−17 49.0	2.601	3.498	8.1	21.1
3 22	12 47.17	−17 10.3	2.524	3.480	5.5	20.9
4 1	12 39.67	−16 17.4	2.476	3.460	3.4	20.7
4 11	12 32.09	−15 13.9	2.457	3.440	3.9	20.7
4 21	12 25.10	−14 4.6	2.468	3.420	6.4	20.8
5 1	12 19.32	−12 55.3	2.506	3.399	9.2	21.0

344299 2001 UB_{77} 3 31.4 143.°84 1.°2/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.83	− 2 35.6	2.728	3.507	11.3	21.7
3 2	12 58.94	− 2 0.1	2.642	3.515	8.8	21.5
3 12	12 53.49	− 1 16.6	2.580	3.523	6.0	21.4
3 22	12 46.88	− 0 28.2	2.546	3.530	2.9	21.2
4 1	12 39.70	+ 0 20.9	2.541	3.538	1.4	21.1
4 11	12 32.61	+ 1 6.2	2.567	3.545	4.2	21.3
4 21	12 26.22	+ 1 43.9	2.621	3.551	7.1	21.5
5 1	12 21.06	+ 2 11.3	2.701	3.557	9.8	21.7

407701 2011 UH_{128} 3 31.4 78.°22 3.°3/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.36	−15 19.5	1.520	2.284	19.4	20.5
3 2	13 3.08	−15 15.0	1.448	2.301	15.9	20.3
3 12	12 57.01	−14 46.5	1.395	2.318	11.7	20.1
3 22	12 48.82	−13 55.1	1.364	2.335	7.2	19.8
4 1	12 39.58	−12 45.4	1.359	2.352	3.5	19.7
4 11	12 30.61	−11 25.7	1.380	2.369	5.1	19.8
4 21	12 23.05	−10 5.7	1.427	2.386	9.4	20.1
5 1	12 17.75	− 8 54.2	1.498	2.402	13.5	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
105852	2000 SV_{165}		3 31.4	208.°21	3.°3/ 4.1	18
	h m	° ′			°	m
2 21	13 4.69	−16 15.7	2.650	3.370	13.0	20.1
3 2	13 0.69	−16 33.8	2.545	3.367	10.8	19.9
3 12	12 54.87	−16 38.2	2.461	3.364	8.3	19.8
3 22	12 47.65	−16 28.7	2.403	3.361	5.5	19.6
4 1	12 39.65	−16 6.4	2.373	3.358	3.4	19.4
4 11	12 31.62	−15 34.5	2.372	3.354	4.0	19.5
4 21	12 24.29	−14 56.8	2.400	3.350	6.6	19.6
5 1	12 18.28	−14 18.4	2.454	3.346	9.4	19.8
460352	2014 RM_{40}		3 31.4	267.°89	5.°8/26.4	18
2 21	13 5.73	+ 5 9.7	1.542	2.365	16.5	20.9
3 2	13 2.81	+ 6 24.5	1.452	2.350	13.1	20.6
3 12	12 57.06	+ 7 49.7	1.384	2.334	9.3	20.4
3 22	12 48.99	+ 9 16.8	1.341	2.318	6.2	20.1
4 1	12 39.57	+10 35.2	1.323	2.302	6.5	20.1
4 11	12 30.08	+11 34.6	1.331	2.286	10.0	20.3
4 21	12 21.76	+12 8.7	1.363	2.270	14.1	20.5
5 1	12 15.65	+12 14.8	1.415	2.253	18.0	20.7
471226	2011 AT_{12}		3 31.5	2.°06	7.°5/24.6	17
2 21	13 0.26	+ 8 27.3	1.393	2.236	16.9	20.7
3 2	12 58.52	+ 9 59.5	1.328	2.234	13.3	20.4
3 12	12 54.02	+11 37.6	1.284	2.234	9.8	20.2
3 22	12 47.40	+13 10.7	1.263	2.234	7.6	20.1
4 1	12 39.68	+14 27.1	1.267	2.235	8.4	20.1
4 11	12 32.15	+15 17.4	1.294	2.238	11.4	20.3
4 21	12 25.94	+15 37.1	1.344	2.241	15.0	20.5
5 1	12 21.93	+15 26.1	1.412	2.244	18.4	20.8
82209	2001 HA_{45}		3 31.5	198.°23	0.°4/31.7	18
2 21	13 11.67	− 6 37.5	1.688	2.466	17.2	19.9
3 2	13 7.20	− 6 35.9	1.595	2.464	13.8	19.7
3 12	12 59.91	− 6 19.9	1.523	2.461	9.7	19.4
3 22	12 50.36	− 5 51.7	1.475	2.457	5.0	19.1
4 1	12 39.50	− 5 15.6	1.454	2.453	0.4	18.7
4 11	12 28.64	− 4 37.6	1.461	2.448	5.3	19.1
4 21	12 18.98	− 4 4.2	1.495	2.442	10.1	19.4
5 1	12 11.52	− 3 41.0	1.553	2.436	14.3	19.6
416968	2005 TP_{1}		3 31.5	95.°24	2.°3/29.5	18
2 21	13 10.66	+ 1 9.3	1.900	2.693	15.0	21.0
3 2	13 5.69	+ 1 25.4	1.829	2.709	11.7	20.8
3 12	12 58.39	+ 1 48.3	1.780	2.725	8.0	20.6
3 22	12 49.38	+ 2 13.6	1.757	2.741	4.1	20.4
4 1	12 39.57	+ 2 36.2	1.763	2.757	2.6	20.3
4 11	12 30.03	+ 2 51.3	1.797	2.773	5.9	20.6
4 21	12 21.68	+ 2 55.5	1.858	2.788	9.6	20.8
5 1	12 15.25	+ 2 46.8	1.944	2.803	13.0	21.0
242950	2006 RB_{69}		3 31.5	319.°42	0.°6/31.9	17
2 21	13 2.09	− 7 37.5	1.943	2.727	15.0	20.8
3 2	12 59.31	− 7 29.8	1.841	2.713	12.1	20.5
3 12	12 54.30	− 7 8.2	1.761	2.701	8.5	20.3
3 22	12 47.51	− 6 34.6	1.706	2.688	4.4	20.0
4 1	12 39.68	− 5 53.0	1.677	2.676	0.6	19.7
4 11	12 31.78	− 5 9.0	1.676	2.665	4.5	19.9
4 21	12 24.77	− 4 28.4	1.702	2.653	8.7	20.2
5 1	12 19.44	− 3 56.6	1.752	2.642	12.6	20.4
140681	2001 UL_{53}		3 31.5	137.°49	4.°3/25.7	17
2 21	13 3.41	+ 8 56.1	2.725	3.526	10.7	20.4
3 2	12 59.38	+ 9 54.3	2.653	3.535	8.4	20.2
3 12	12 53.77	+10 54.0	2.606	3.545	6.1	20.1
3 22	12 47.02	+11 50.1	2.586	3.554	4.5	20.0
4 1	12 39.73	+12 37.7	2.596	3.563	4.7	20.0
4 11	12 32.56	+13 12.5	2.634	3.571	6.6	20.2
4 21	12 26.14	+13 32.0	2.700	3.579	9.0	20.3
5 1	12 20.96	+13 35.5	2.789	3.587	11.2	20.5
471443	2011 UY_{117}		3 31.5	230.°93	2.°6/ 4.3	16
2 21	13 1.70	−17 56.4	3.066	3.774	11.6	22.5
3 2	12 58.12	−17 36.7	2.945	3.760	9.7	22.4
3 12	12 53.00	−17 1.6	2.846	3.746	7.4	22.2
3 22	12 46.71	−16 11.9	2.774	3.732	4.9	22.0
4 1	12 39.74	−15 9.5	2.730	3.717	2.8	21.8
4 11	12 32.74	−13 58.3	2.717	3.701	3.4	21.8
4 21	12 26.31	−12 43.0	2.733	3.685	5.8	22.0
5 1	12 20.97	−11 28.9	2.778	3.669	8.5	22.1
205451	2001 PC_{39}		3 31.5	181.°16	4.°3/26.9	18
2 21	13 7.36	+ 8 47.5	2.444	3.241	11.9	20.5
3 2	13 2.71	+ 9 22.0	2.360	3.241	9.4	20.3
3 12	12 56.19	+ 9 57.6	2.301	3.241	6.8	20.2
3 22	12 48.27	+10 29.6	2.270	3.241	4.7	20.0
4 1	12 39.66	+10 53.0	2.267	3.241	4.7	20.0
4 11	12 31.16	+11 3.8	2.293	3.241	6.9	20.2
4 21	12 23.51	+10 59.8	2.346	3.240	9.6	20.3
5 1	12 17.33	+10 40.4	2.423	3.239	12.1	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
337588	2001 SH_{342}		3 31.5	107.°46	0.°4/30.9	17
	h m	° ′			°	m
2 21	13 2.50	− 5 55.7	2.477	3.251	12.5	21.8
3 2	12 58.85	− 5 19.5	2.396	3.264	9.8	21.6
3 12	12 53.51	− 4 32.2	2.338	3.278	6.7	21.4
3 22	12 46.92	− 3 37.3	2.307	3.291	3.2	21.2
4 1	12 39.74	− 2 39.1	2.305	3.304	0.6	21.0
4 11	12 32.69	− 1 42.9	2.333	3.317	4.0	21.3
4 21	12 26.43	− 0 53.3	2.390	3.329	7.3	21.5
5 1	12 21.50	− 0 14.0	2.472	3.342	10.2	21.7
403235	2008 UL_{351}		3 31.5	327.°91	2.°0/30.2	18
2 21	13 5.89	− 1 55.7	1.247	2.071	19.6	20.9
3 2	13 3.53	− 1 41.4	1.165	2.063	15.6	20.7
3 12	12 57.88	− 1 12.7	1.102	2.055	10.7	20.4
3 22	12 49.52	− 0 34.5	1.061	2.048	5.3	20.0
4 1	12 39.58	+ 0 6.0	1.044	2.041	2.3	19.8
4 11	12 29.63	+ 0 39.8	1.051	2.035	7.4	20.1
4 21	12 21.15	+ 0 59.7	1.081	2.029	12.9	20.4
5 1	12 15.32	+ 1 0.9	1.132	2.025	17.7	20.6
308670	2006 BV_{282}		3 31.5	270.°01	3.°9/ 3.3	16
2 21	13 7.75	−14 1.8	1.570	2.334	18.9	20.8
3 2	13 4.58	−14 30.7	1.470	2.322	15.7	20.5
3 12	12 58.43	−14 40.5	1.389	2.311	11.8	20.3
3 22	12 49.78	−14 29.7	1.330	2.299	7.5	20.0
4 1	12 39.56	−13 59.5	1.296	2.287	4.1	19.7
4 11	12 29.15	−13 14.9	1.288	2.275	5.7	19.8
4 21	12 19.89	−12 23.4	1.305	2.263	10.2	20.0
5 1	12 12.93	−11 33.8	1.346	2.251	14.6	20.2
387609	2002 EW_{32}		3 31.5	13.°50	1.°3/ 1.5	17
2 21	13 7.09	− 7 23.1	2.054	2.825	14.8	20.5
3 2	13 2.98	− 7 50.5	1.965	2.828	11.9	20.3
3 12	12 56.65	− 8 7.6	1.897	2.831	8.4	20.1
3 22	12 48.61	− 8 15.2	1.855	2.835	4.6	19.9
4 1	12 39.65	− 8 15.3	1.841	2.839	1.3	19.7
4 11	12 30.73	− 8 11.4	1.856	2.844	4.2	19.9
4 21	12 22.78	− 8 7.2	1.897	2.849	8.0	20.1
5 1	12 16.55	− 8 6.4	1.965	2.854	11.5	20.3
241043	2006 RQ_{30}		3 31.5	125.°83	0.°1/31.6	17
2 21	13 1.39	− 8 52.5	2.852	3.609	11.4	21.3
3 2	12 57.75	− 8 2.3	2.766	3.624	9.0	21.1
3 12	12 52.64	− 7 0.1	2.704	3.639	6.2	20.9
3 22	12 46.46	− 5 48.9	2.670	3.652	3.1	20.8
4 1	12 39.78	− 4 33.1	2.667	3.666	0.2	20.5
4 11	12 33.21	− 3 17.8	2.694	3.679	3.3	20.8
4 21	12 27.32	− 2 7.8	2.751	3.692	6.4	21.0
5 1	12 22.58	− 1 7.1	2.835	3.704	9.0	21.2
109765	2001 RT_{77}		3 31.5	165.°52	1.°6/29.1	18
2 21	13 2.19	− 0 51.6	3.136	3.914	10.0	21.1
3 2	12 58.25	− 0 7.3	3.046	3.920	7.8	20.9
3 12	12 52.93	+ 0 43.6	2.982	3.925	5.2	20.8
3 22	12 46.60	+ 1 37.8	2.946	3.930	2.6	20.6
4 1	12 39.77	+ 2 31.5	2.940	3.934	1.8	20.5
4 11	12 33.01	+ 3 20.4	2.965	3.937	4.1	20.7
4 21	12 26.83	+ 4 1.4	3.019	3.940	6.7	20.9
5 1	12 21.71	+ 4 31.8	3.100	3.942	9.1	21.0
330419	2007 CX_{25}		3 31.5	42.°86	3.°7/28.6	18
2 21	13 6.46	+ 2 31.5	1.519	2.337	16.9	20.4
3 2	13 3.03	+ 3 6.7	1.453	2.348	13.2	20.1
3 12	12 56.90	+ 3 49.8	1.408	2.359	9.0	19.9
3 22	12 48.76	+ 4 34.6	1.387	2.371	5.0	19.7
4 1	12 39.65	+ 5 13.4	1.392	2.383	4.1	19.7
4 11	12 30.81	+ 5 39.5	1.423	2.395	7.6	19.9
4 21	12 23.35	+ 5 48.7	1.479	2.408	11.7	20.2
5 1	12 18.07	+ 5 39.0	1.557	2.421	15.3	20.4
393507	2002 RL_{225}		3 31.5	288.°53	2.°0/ 1.9	17
2 21	13 3.63	−11 39.6	1.346	2.140	20.0	21.3
3 2	13 1.87	−11 32.0	1.241	2.117	16.5	21.0
3 12	12 56.93	−10 59.7	1.155	2.093	12.1	20.6
3 22	12 49.19	−10 2.7	1.089	2.069	6.9	20.3
4 1	12 39.60	− 8 45.0	1.047	2.045	2.1	19.9
4 11	12 29.63	− 7 15.6	1.031	2.021	6.0	20.1
4 21	12 20.81	− 5 46.3	1.038	1.997	11.9	20.3
5 1	12 14.51	− 4 29.0	1.066	1.974	17.4	20.5
65885	Lubenow		3 31.5	26.°95	4.°0/ 3.5	18
2 21	13 6.86	−14 30.9	1.503	2.271	19.4	19.8
3 2	13 3.79	−14 58.5	1.418	2.272	16.1	19.6
3 12	12 57.77	−15 5.2	1.352	2.274	12.1	19.4
3 22	12 49.36	−14 50.2	1.307	2.276	7.7	19.1
4 1	12 39.61	−14 15.5	1.287	2.278	4.3	18.9
4 11	12 29.87	−13 26.8	1.292	2.280	5.7	19.0
4 21	12 21.45	−12 32.3	1.323	2.282	9.9	19.2
5 1	12 15.39	−11 40.8	1.377	2.285	14.2	19.5

116834 2004 FB_{36} 3 31.5 180.°81 1.°4/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.56	− 3 33.8	2.196	2.978	13.6	20.1
3 2	13 1.59	− 2 49.1	2.105	2.980	10.7	19.9
3 12	12 55.59	− 1 52.8	2.037	2.980	7.2	19.6
3 22	12 48.05	− 0 48.8	1.995	2.981	3.5	19.4
4 1	12 39.70	+ 0 17.1	1.983	2.980	1.6	19.3
4 11	12 31.40	+ 1 18.7	2.000	2.979	5.1	19.5
4 21	12 23.99	+ 2 10.5	2.045	2.977	8.7	19.7
5 1	12 18.14	+ 2 48.4	2.115	2.975	12.0	19.9

287455 2002 YM_{13} 3 31.5 97.°93 0.°5/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.27	− 8 37.9	1.843	2.619	16.0	21.2
3 2	13 2.43	− 8 14.0	1.768	2.635	12.8	21.0
3 12	12 56.28	− 7 34.2	1.713	2.651	8.9	20.8
3 22	12 48.40	− 6 41.6	1.684	2.666	4.6	20.6
4 1	12 39.68	− 5 41.4	1.682	2.681	0.5	20.3
4 11	12 31.17	− 4 40.6	1.709	2.696	4.6	20.6
4 21	12 23.80	− 3 45.7	1.762	2.711	8.7	20.9
5 1	12 18.30	− 3 2.1	1.841	2.725	12.4	21.1

330046 2005 UR_{315} 3 31.5 179.°04 1.°0/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.61	−11 6.6	2.068	2.832	14.9	21.3
3 2	13 0.26	−10 35.6	1.974	2.833	12.0	21.1
3 12	12 54.79	− 9 47.3	1.902	2.833	8.5	20.8
3 22	12 47.69	− 8 44.1	1.854	2.834	4.6	20.6
4 1	12 39.72	− 7 30.5	1.835	2.834	1.1	20.3
4 11	12 31.80	− 6 13.3	1.845	2.833	4.2	20.6
4 21	12 24.80	− 4 59.6	1.882	2.833	8.1	20.8
5 1	12 19.43	− 3 55.7	1.945	2.832	11.7	21.0

253515 2003 SO_{159} 3 31.5 299.°03 4.°4/ 5.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.05	−20 29.3	2.465	3.175	14.1	21.1
3 2	12 58.24	−20 37.2	2.335	3.145	12.1	20.9
3 12	12 53.48	−20 27.1	2.226	3.116	9.6	20.6
3 22	12 47.11	−19 57.6	2.139	3.087	6.9	20.4
4 1	12 39.75	−19 9.6	2.080	3.057	4.7	20.2
4 11	12 32.19	−18 6.2	2.049	3.028	4.9	20.2
4 21	12 25.25	−16 52.9	2.045	2.998	7.4	20.3
5 1	12 19.68	−15 36.4	2.067	2.969	10.4	20.4

93079 2000 SX_{28} 3 31.5 140.°95 4.°3/ 5.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.74	−20 39.1	2.038	2.758	16.4	19.7
3 2	12 59.73	−20 29.3	1.943	2.761	13.9	19.5
3 12	12 54.51	−19 56.4	1.867	2.764	10.8	19.3
3 22	12 47.57	−19 0.3	1.814	2.767	7.4	19.1
4 1	12 39.73	−17 43.6	1.788	2.770	4.7	19.0
4 11	12 31.95	−16 12.4	1.789	2.773	5.0	19.0
4 21	12 25.14	−14 34.9	1.819	2.775	7.9	19.2
5 1	12 20.05	−12 59.6	1.874	2.777	11.2	19.4

71291 2000 AS_{56} 3 31.5 60.°24 6.°6/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.05	+10 44.0	1.841	2.662	14.3	19.1
3 2	13 0.62	+12 5.4	1.785	2.678	11.3	18.9
3 12	12 54.96	+13 27.5	1.753	2.693	8.5	18.8
3 22	12 47.71	+14 42.0	1.746	2.709	6.7	18.7
4 1	12 39.73	+15 40.8	1.765	2.725	7.3	18.7
4 11	12 32.03	+16 17.9	1.811	2.741	9.6	18.9
4 21	12 25.47	+16 30.9	1.881	2.757	12.4	19.1
5 1	12 20.71	+16 20.3	1.972	2.773	15.0	19.3

114880 2003 QE_{13} 3 31.5 140.°53 1.°0/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.74	− 2 40.9	2.181	2.963	13.7	20.0
3 2	13 2.49	− 2 25.7	2.094	2.968	10.7	19.8
3 12	12 56.19	− 2 1.5	2.030	2.973	7.3	19.6
3 22	12 48.34	− 1 31.5	1.993	2.978	3.6	19.4
4 1	12 39.69	− 0 59.7	1.984	2.982	1.2	19.2
4 11	12 31.15	− 0 31.2	2.004	2.986	4.7	19.5
4 21	12 23.52	− 0 10.0	2.053	2.990	8.4	19.7
5 1	12 17.49	+ 0 0.9	2.126	2.994	11.6	19.9

165457 2000 YE_{127} 3 31.5 161.°49 0.°7/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.34	− 9 6.1	2.071	2.833	15.0	21.6
3 2	13 3.91	− 8 45.7	1.982	2.840	12.0	21.4
3 12	12 57.25	− 8 10.2	1.914	2.846	8.4	21.2
3 22	12 48.91	− 7 22.3	1.872	2.852	4.4	20.9
4 1	12 39.67	− 6 26.1	1.858	2.857	0.7	20.6
4 11	12 30.53	− 5 27.7	1.874	2.861	4.3	20.9
4 21	12 22.38	− 4 33.2	1.918	2.864	8.3	21.2
5 1	12 15.98	− 3 48.0	1.988	2.867	11.8	21.4

105290 2000 QX_{47} 3 31.5 170.°83 2.°6/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.04	−14 19.7	2.654	3.383	12.8	19.9
3 2	13 0.91	−14 32.4	2.553	3.385	10.5	19.8
3 12	12 55.00	−14 32.1	2.475	3.386	7.9	19.6
3 22	12 47.74	−14 19.2	2.423	3.388	5.0	19.4
4 1	12 39.74	−13 55.2	2.399	3.389	2.8	19.2
4 11	12 31.75	−13 23.3	2.404	3.389	3.7	19.3
4 21	12 24.47	−12 47.7	2.439	3.390	6.5	19.5
5 1	12 18.52	−12 12.9	2.500	3.390	9.3	19.7

257621 1999 TR_{120} 3 31.5 123.°37 0.°9/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.48	− 8 36.9	1.896	2.663	16.0	21.1
3 2	13 4.93	− 8 29.2	1.816	2.678	12.8	20.9
3 12	12 58.00	− 8 6.8	1.758	2.692	9.0	20.7
3 22	12 49.27	− 7 32.0	1.725	2.705	4.7	20.4
4 1	12 39.65	− 6 49.0	1.719	2.718	0.9	20.2
4 11	12 30.21	− 6 3.5	1.743	2.730	4.5	20.5
4 21	12 21.93	− 5 21.6	1.794	2.742	8.6	20.7
5 1	12 15.55	− 4 48.4	1.870	2.753	12.2	21.0

150668 2001 MP_4 3 31.5 205.°21 3.°4/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.55	+ 4 3.1	2.425	3.216	12.2	20.8
3 2	13 2.98	+ 4 51.8	2.330	3.210	9.6	20.6
3 12	12 56.47	+ 5 46.3	2.259	3.203	6.6	20.4
3 22	12 48.49	+ 6 41.7	2.216	3.195	4.0	20.2
4 1	12 39.70	+ 7 32.4	2.202	3.186	3.8	20.2
4 11	12 30.93	+ 8 13.0	2.218	3.177	6.3	20.3
4 21	12 22.95	+ 8 39.9	2.262	3.167	9.4	20.5
5 1	12 16.43	+ 8 50.7	2.330	3.156	12.2	20.7

499804 2011 CX_{88} 3 31.5 86.°46 5.°8/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.33	−21 8.7	1.931	2.642	17.5	21.6
3 2	13 4.22	−21 47.3	1.850	2.658	14.9	21.4
3 12	12 57.63	−22 5.0	1.788	2.675	11.8	21.2
3 22	12 49.14	−22 0.1	1.749	2.691	8.6	21.1
4 1	12 39.66	−21 33.1	1.735	2.706	6.2	20.9
4 11	12 30.31	−20 47.9	1.748	2.722	6.2	21.0
4 21	12 22.11	−19 51.3	1.788	2.737	8.5	21.1
5 1	12 15.88	−18 50.9	1.853	2.753	11.5	21.3

453702 2010 XH_{28} 3 31.5 337.°15 17.°6/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.81	−39 33.7	1.193	1.857	28.5	20.5
3 2	13 0.88	−41 25.5	1.114	1.852	26.6	20.3
3 12	12 56.98	−42 38.4	1.045	1.847	24.4	20.1
3 22	12 49.47	−43 0.9	0.987	1.842	21.9	19.9
4 1	12 39.62	−42 22.5	0.944	1.838	19.5	19.7
4 11	12 29.51	−40 41.0	0.918	1.835	17.9	19.6
4 21	12 21.29	−38 4.3	0.909	1.833	17.7	19.5
5 1	12 16.63	−34 50.7	0.920	1.831	19.1	19.6

437257 2012 XA_{96} 3 31.5 113.°18 4.°8/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.14	+ 9 28.8	2.470	3.277	11.5	21.4
3 2	12 59.38	+10 26.8	2.397	3.283	9.1	21.3
3 12	12 53.90	+11 26.2	2.349	3.289	6.6	21.1
3 22	12 47.15	+12 21.5	2.328	3.295	4.9	21.0
4 1	12 39.79	+13 7.0	2.335	3.302	5.3	21.1
4 11	12 32.56	+13 38.3	2.371	3.308	7.3	21.2
4 21	12 26.13	+13 52.8	2.432	3.313	9.8	21.4
5 1	12 21.07	+13 49.8	2.517	3.319	12.1	21.5

346135 2007 VF_{202} 3 31.5 106.°32 2.°3/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.85	+ 2 9.6	2.403	3.192	12.4	21.0
3 2	13 2.27	+ 2 31.4	2.326	3.204	9.6	20.8
3 12	12 55.86	+ 2 58.3	2.272	3.217	6.5	20.6
3 22	12 48.12	+ 3 26.4	2.246	3.229	3.5	20.4
4 1	12 39.74	+ 3 51.5	2.249	3.240	2.6	20.4
4 11	12 31.52	+ 4 9.5	2.281	3.252	5.2	20.6
4 21	12 24.18	+ 4 17.6	2.341	3.263	8.3	20.8
5 1	12 18.31	+ 4 14.1	2.427	3.275	11.1	21.0

237043 2008 SM_{117} 3 31.5 13.°34 1.°1/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.71	−10 44.9	1.383	2.178	19.5	21.0
3 2	13 1.44	−10 18.7	1.301	2.178	15.8	20.7
3 12	12 56.20	− 9 28.5	1.238	2.179	11.2	20.4
3 22	12 48.61	− 8 17.3	1.197	2.179	6.0	20.2
4 1	12 39.70	− 6 51.6	1.181	2.180	1.1	19.8
4 11	12 30.88	− 5 21.7	1.191	2.180	5.6	20.1
4 21	12 23.42	− 3 58.7	1.225	2.181	10.9	20.4
5 1	12 18.32	− 2 51.4	1.282	2.182	15.5	20.7

371012 2005 UT_{16} 3 31.5 246.°64 0.°2/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.46	− 8 10.6	2.216	2.983	14.0	22.2
3 2	13 1.74	− 7 43.1	2.102	2.964	11.2	22.0
3 12	12 55.89	− 7 0.8	2.009	2.945	7.9	21.7
3 22	12 48.32	− 6 6.0	1.943	2.925	4.0	21.4
4 1	12 39.72	− 5 2.9	1.906	2.905	0.3	21.1
4 11	12 30.99	− 3 57.4	1.898	2.884	4.4	21.4
4 21	12 23.02	− 2 55.9	1.918	2.862	8.4	21.6
5 1	12 16.58	− 2 4.0	1.963	2.840	12.1	21.8

249244 2008 QE_{13} 3 31.5 190.°15 1.°0/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.29	− 4 46.0	2.158	2.942	13.7	21.1
3 2	12 59.88	− 4 4.1	2.066	2.942	10.8	20.9
3 12	12 54.47	− 3 9.6	1.997	2.941	7.4	20.7
3 22	12 47.53	− 2 6.3	1.955	2.940	3.6	20.4
4 1	12 39.78	− 0 59.7	1.941	2.939	1.2	20.3
4 11	12 32.08	+ 0 3.8	1.956	2.937	4.8	20.5
4 21	12 25.23	+ 0 58.5	1.998	2.935	8.6	20.7
5 1	12 19.93	+ 1 39.9	2.065	2.933	11.9	20.9

162557 2000 RP_{20} 3 31.5 223.°39 2.°2/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.78	−13 19.4	1.780	2.541	17.1	19.9
3 2	13 2.51	−13 4.9	1.681	2.535	14.0	19.6
3 12	12 56.68	−12 29.6	1.601	2.527	10.2	19.4
3 22	12 48.79	−11 34.5	1.545	2.520	6.0	19.1
4 1	12 39.70	−10 23.4	1.516	2.512	2.3	18.9
4 11	12 30.56	− 9 3.5	1.514	2.503	4.7	19.0
4 21	12 22.47	− 7 43.5	1.539	2.494	9.2	19.2
5 1	12 16.35	− 6 31.7	1.589	2.485	13.4	19.5

413080 2001 TH_{17} 3 31.5 222.°48 2.°2/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.57	−13 24.0	1.888	2.640	16.5	22.0
3 2	13 3.82	−13 10.8	1.782	2.630	13.6	21.7
3 12	12 57.55	−12 37.7	1.696	2.620	10.0	21.5
3 22	12 49.23	−11 45.5	1.634	2.608	5.9	21.2
4 1	12 39.68	−10 37.5	1.600	2.596	2.4	21.0
4 11	12 30.03	− 9 20.5	1.594	2.582	4.7	21.1
4 21	12 21.36	− 8 2.4	1.616	2.568	9.0	21.3
5 1	12 14.59	− 6 51.3	1.662	2.554	13.1	21.5

77090 2001 DY_{44} 3 31.5 119.°37 1.°5/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.62	− 4 31.5	1.422	2.225	18.7	19.9
3 2	13 5.05	− 3 53.4	1.349	2.234	14.7	19.6
3 12	12 58.51	− 2 58.4	1.296	2.244	10.0	19.4
3 22	12 49.67	− 1 51.8	1.267	2.253	4.9	19.1
4 1	12 39.67	− 0 41.5	1.263	2.261	1.7	18.9
4 11	12 29.89	+ 0 22.7	1.287	2.270	6.5	19.2
4 21	12 21.59	+ 1 13.2	1.335	2.278	11.5	19.5
5 1	12 15.69	+ 1 44.6	1.405	2.285	15.8	19.8

269764 1999 TZ_{38} 3 31.5 109.°58 3.°2/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.99	−18 57.6	2.334	3.050	14.7	21.0
3 2	13 0.22	−18 31.0	2.249	3.069	12.2	20.8
3 12	12 54.55	−17 44.4	2.186	3.088	9.2	20.7
3 22	12 47.50	−16 39.3	2.147	3.106	6.0	20.5
4 1	12 39.79	−15 19.0	2.136	3.123	3.4	20.4
4 11	12 32.25	−13 49.5	2.155	3.140	4.0	20.4
4 21	12 25.63	−12 17.9	2.203	3.157	6.9	20.6
5 1	12 20.53	−10 51.2	2.278	3.173	9.9	20.8

64621 2001 XE_{30} 3 31.5 138.°74 5.°8/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.85	+10 30.1	2.258	3.064	12.5	19.1
3 2	13 1.66	+11 52.9	2.192	3.076	9.9	19.0
3 12	12 55.52	+13 17.1	2.151	3.087	7.4	18.8
3 22	12 47.98	+14 35.5	2.137	3.098	5.8	18.8
4 1	12 39.77	+15 41.1	2.152	3.109	6.4	18.8
4 11	12 31.74	+16 28.3	2.194	3.118	8.5	19.0
4 21	12 24.66	+16 54.4	2.262	3.128	11.0	19.1
5 1	12 19.12	+16 59.1	2.353	3.136	13.4	19.3

347110 2010 JD_{37} 3 31.5 162.°13 4.°3/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.84	+ 9 27.2	2.595	3.391	11.4	21.1
3 2	13 2.19	+10 5.3	2.515	3.394	9.0	21.0
3 12	12 55.78	+10 44.1	2.460	3.398	6.5	20.8
3 22	12 48.09	+11 18.9	2.432	3.401	4.6	20.7
4 1	12 39.77	+11 45.0	2.433	3.404	4.7	20.7
4 11	12 31.57	+11 58.5	2.463	3.406	6.7	20.8
4 21	12 24.19	+11 57.4	2.521	3.408	9.2	21.0
5 1	12 18.18	+11 41.2	2.602	3.410	11.6	21.2

142435 2002 SC_{47} 3 31.5 262.°31 0.°3/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.42	− 8 46.8	1.856	2.635	15.8	20.8
3 2	13 1.39	− 8 15.4	1.747	2.616	12.8	20.6
3 12	12 55.91	− 7 25.8	1.659	2.598	9.0	20.3
3 22	12 48.43	− 6 20.3	1.595	2.578	4.6	20.0
4 1	12 39.74	− 5 4.1	1.559	2.559	0.3	19.6
4 11	12 30.88	− 3 44.7	1.551	2.538	5.0	19.9
4 21	12 22.93	− 2 30.4	1.570	2.518	9.6	20.1
5 1	12 16.80	− 1 28.4	1.613	2.497	13.8	20.3

186172 2001 UR_{150} 3 31.5 213.°74 1.°5/ 2.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.23	−12 23.3	2.417	3.161	13.5	21.5
3 2	13 1.31	−12 1.4	2.308	3.153	11.0	21.3
3 12	12 55.43	−11 23.9	2.220	3.144	8.0	21.1
3 22	12 48.03	−10 32.1	2.159	3.134	4.6	20.8
4 1	12 39.77	− 9 29.4	2.127	3.123	1.6	20.6
4 11	12 31.47	− 8 21.0	2.124	3.112	3.7	20.8
4 21	12 23.91	− 7 12.8	2.151	3.100	7.3	21.0
5 1	12 17.80	− 6 10.7	2.204	3.088	10.6	21.1

40653 1999 RS_{190} 3 31.5 275.°89 1.°1/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.77	− 9 31.4	1.700	2.479	17.0	20.4
3 2	13 2.80	− 9 22.5	1.589	2.457	13.9	20.2
3 12	12 57.12	− 8 55.5	1.498	2.435	10.0	19.9
3 22	12 49.14	− 8 11.6	1.431	2.412	5.4	19.5
4 1	12 39.70	− 7 14.5	1.390	2.389	1.2	19.2
4 11	12 29.98	− 6 11.4	1.376	2.365	5.2	19.4
4 21	12 21.23	− 5 10.1	1.389	2.341	10.2	19.6
5 1	12 14.50	− 4 18.5	1.424	2.317	14.8	19.8

371262 2006 BY_{266} 3 31.5 54.°29 3.°7/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.05	− 1 10.0	1.634	2.450	16.0	20.5
3 2	12 58.54	+ 0 33.1	1.574	2.470	12.4	20.3
3 12	12 53.69	+ 2 29.9	1.537	2.490	8.3	20.1
3 22	12 47.14	+ 4 31.6	1.526	2.510	4.6	19.9
4 1	12 39.83	+ 6 27.1	1.542	2.530	4.3	19.9
4 11	12 32.79	+ 8 6.4	1.586	2.551	7.7	20.2
4 21	12 26.95	+ 9 22.5	1.655	2.571	11.5	20.4
5 1	12 22.96	+10 12.4	1.746	2.592	14.8	20.7

298985 2004 XZ_{8} 3 31.5 84.°69 2.°4/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 10.03	−12 23.9	1.567	2.334	18.8	20.8
3 2	13 5.80	−12 25.3	1.500	2.357	15.2	20.6
3 12	12 58.80	−12 6.7	1.452	2.380	11.0	20.4
3 22	12 49.73	−11 29.5	1.428	2.403	6.3	20.2
4 1	12 39.70	−10 38.1	1.430	2.426	2.5	20.0
4 11	12 29.99	− 9 39.9	1.459	2.448	4.9	20.2
4 21	12 21.75	− 8 42.8	1.514	2.469	9.3	20.5
5 1	12 15.78	− 7 54.0	1.594	2.491	13.2	20.8

42768 1998 SA_{168} 3 31.5 268.°38 3.°3/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.14	−16 48.6	2.348	3.075	14.3	19.4
3 2	13 0.74	−16 47.6	2.222	3.050	12.0	19.2
3 12	12 55.24	−16 29.1	2.118	3.025	9.2	18.9
3 22	12 48.04	−15 52.6	2.037	2.999	6.0	18.7
4 1	12 39.78	−14 59.7	1.985	2.973	3.5	18.5
4 11	12 31.32	−13 54.6	1.961	2.946	4.4	18.5
4 21	12 23.53	−12 43.2	1.965	2.919	7.6	18.6
5 1	12 17.21	−11 32.5	1.996	2.891	11.0	18.8

47063 1998 XX_{52} 3 31.5 205.°34 1.°5/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.65	− 2 2.9	2.380	3.166	12.6	18.6
3 2	12 59.96	− 1 28.5	2.286	3.163	9.8	18.4
3 12	12 54.43	− 0 44.9	2.215	3.160	6.7	18.2
3 22	12 47.50	+ 0 4.3	2.172	3.157	3.3	18.0
4 1	12 39.82	+ 0 54.3	2.157	3.153	1.7	17.9
4 11	12 32.17	+ 1 39.8	2.172	3.150	4.8	18.1
4 21	12 25.30	+ 2 16.6	2.214	3.146	8.2	18.3
5 1	12 19.82	+ 2 41.2	2.282	3.141	11.3	18.5

43934 1996 TC 3 31.5 73.°54 0.°2/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.08	− 7 3.9	2.197	2.973	13.8	18.8
3 2	12 59.67	− 6 45.2	2.108	2.977	10.9	18.6
3 12	12 54.29	− 6 14.1	2.042	2.981	7.6	18.4
3 22	12 47.44	− 5 33.2	2.002	2.985	3.8	18.1
4 1	12 39.82	− 4 46.6	1.990	2.989	0.2	17.8
4 11	12 32.28	− 3 59.7	2.007	2.994	4.1	18.2
4 21	12 25.60	− 3 17.6	2.051	2.998	7.8	18.4
5 1	12 20.43	− 2 44.5	2.121	3.002	11.1	18.6

224484 2005 VB_{100} 3 31.5 10.°28 1.°7/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.48	− 0 25.6	1.405	2.221	18.2	20.6
3 2	13 4.25	− 0 32.5	1.330	2.222	14.4	20.4
3 12	12 58.04	− 0 30.3	1.275	2.225	9.9	20.1
3 22	12 49.49	− 0 22.9	1.243	2.229	4.9	19.8
4 1	12 39.71	− 0 15.4	1.236	2.233	1.9	19.6
4 11	12 30.09	− 0 13.6	1.255	2.239	6.5	19.9
4 21	12 21.90	− 0 21.8	1.298	2.245	11.3	20.2
5 1	12 16.11	− 0 42.6	1.364	2.253	15.6	20.5

249436 2009 FL_{31} 3 31.5 316.°26 0.°5/31.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.10	− 3 10.1	2.196	2.978	13.6	19.8
3 2	13 2.12	− 3 12.5	2.098	2.971	10.8	19.6
3 12	12 56.05	− 3 6.7	2.023	2.965	7.4	19.3
3 22	12 48.36	− 2 54.8	1.974	2.959	3.7	19.1
4 1	12 39.78	− 2 40.3	1.954	2.952	0.7	18.8
4 11	12 31.19	− 2 27.2	1.962	2.947	4.5	19.1
4 21	12 23.44	− 2 19.1	1.998	2.941	8.2	19.3
5 1	12 17.26	− 2 19.1	2.059	2.935	11.6	19.5

253039 2002 SC_{24} 3 31.5 221.°54 0.°7/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.19	− 8 45.7	2.117	2.880	14.6	21.9
3 2	13 3.16	− 8 30.3	2.011	2.871	11.8	21.7
3 12	12 56.89	− 8 0.4	1.928	2.861	8.3	21.5
3 22	12 48.83	− 7 17.9	1.870	2.850	4.4	21.2
4 1	12 39.75	− 6 26.7	1.840	2.839	0.7	20.9
4 11	12 30.60	− 5 32.3	1.840	2.827	4.3	21.2
4 21	12 22.32	− 4 40.8	1.867	2.814	8.4	21.4
5 1	12 15.70	− 3 57.8	1.920	2.801	12.1	21.6

214439 2005 QS_{121} 3 31.5 312.°67 1.°4/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.17	− 3 49.7	2.334	3.123	12.7	20.7
3 2	12 57.28	− 2 58.9	2.242	3.121	9.9	20.5
3 12	12 52.61	− 1 56.6	2.174	3.119	6.7	20.3
3 22	12 46.60	− 0 46.9	2.132	3.118	3.3	20.0
4 1	12 39.88	+ 0 24.9	2.119	3.116	1.6	19.9
4 11	12 33.21	+ 1 32.5	2.136	3.114	4.8	20.1
4 21	12 27.29	+ 2 30.5	2.180	3.113	8.2	20.3
5 1	12 22.72	+ 3 15.0	2.248	3.111	11.3	20.5

63872 2001 RT_{134} 3 31.5 76.°30 2.°5/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.18	+ 0 0.3	1.716	2.518	16.0	19.6
3 2	13 3.99	+ 0 34.4	1.652	2.538	12.5	19.5
3 12	12 57.36	+ 1 17.7	1.610	2.558	8.4	19.3
3 22	12 48.96	+ 2 4.8	1.593	2.578	4.3	19.0
4 1	12 39.76	+ 2 49.2	1.604	2.598	2.8	19.0
4 11	12 30.88	+ 3 24.4	1.642	2.618	6.3	19.3
4 21	12 23.27	+ 3 46.1	1.706	2.637	10.2	19.5
5 1	12 17.67	+ 3 51.8	1.794	2.657	13.7	19.8

467785 2009 WZ_{187} 3 31.5 256.°39 1.°0/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.07	− 9 20.5	2.000	2.770	15.2	22.2
3 2	13 1.65	− 9 9.9	1.895	2.757	12.3	21.9
3 12	12 55.95	− 8 44.1	1.811	2.745	8.7	21.7
3 22	12 48.41	− 8 4.6	1.752	2.732	4.7	21.4
4 1	12 39.78	− 7 15.2	1.721	2.719	1.0	21.1
4 11	12 31.07	− 6 21.6	1.718	2.706	4.4	21.3
4 21	12 23.23	− 5 30.0	1.742	2.692	8.6	21.5
5 1	12 17.11	− 4 46.5	1.791	2.679	12.5	21.7

370976 2005 SA_{233} 3 31.5 246.°21 0.°9/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.90	− 9 55.5	2.131	2.894	14.5	22.3
3 2	13 1.40	− 9 32.6	2.019	2.879	11.8	22.0
3 12	12 55.71	− 8 53.6	1.930	2.863	8.4	21.8
3 22	12 48.27	− 8 0.4	1.866	2.846	4.5	21.5
4 1	12 39.80	− 6 56.8	1.830	2.829	0.9	21.2
4 11	12 31.21	− 5 49.1	1.823	2.811	4.3	21.4
4 21	12 23.42	− 4 43.7	1.845	2.793	8.4	21.6
5 1	12 17.24	− 3 47.0	1.891	2.775	12.1	21.8

417820 2007 FX_{20} 3 31.5 88.°23 1.°7/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.06	− 1 29.0	1.852	2.645	15.3	21.3
3 2	13 3.81	− 1 7.7	1.779	2.659	12.0	21.1
3 12	12 57.23	− 0 36.9	1.727	2.673	8.1	20.9
3 22	12 48.92	− 0 0.8	1.702	2.687	4.0	20.7
4 1	12 39.78	+ 0 35.3	1.704	2.700	1.9	20.5
4 11	12 30.85	+ 1 5.6	1.734	2.714	5.5	20.8
4 21	12 23.08	+ 1 25.7	1.791	2.727	9.5	21.1
5 1	12 17.19	+ 1 32.7	1.872	2.740	13.0	21.3

31340 1998 KW_{53} 3 31.5 64.°98 10.°1/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.76	+27 50.1	2.296	3.087	12.8	17.6
3 2	13 2.50	+29 14.0	2.250	3.094	11.3	17.5
3 12	12 56.15	+30 26.3	2.228	3.102	10.3	17.5
3 22	12 48.31	+31 19.2	2.229	3.109	10.2	17.5
4 1	12 39.82	+31 46.6	2.255	3.117	10.9	17.5
4 11	12 31.60	+31 45.9	2.304	3.125	12.3	17.6
4 21	12 24.48	+31 17.6	2.373	3.132	13.9	17.8
5 1	12 19.06	+30 24.4	2.461	3.140	15.4	17.9

267455 2002 EY_{20} 3 31.5 344.°73 7.°3/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.13	+ 9 15.7	1.477	2.315	16.3	19.4
3 2	12 59.17	+10 33.9	1.403	2.306	13.0	19.2
3 12	12 54.52	+11 57.0	1.350	2.299	9.7	19.0
3 22	12 47.76	+13 15.1	1.321	2.292	7.4	18.8
4 1	12 39.84	+14 17.5	1.317	2.286	8.1	18.9
4 11	12 32.03	+14 55.8	1.337	2.281	11.1	19.0
4 21	12 25.46	+15 5.5	1.379	2.277	14.7	19.2
5 1	12 21.01	+14 46.3	1.441	2.273	18.0	19.4

1255 Schilowa 3 31.5 181.°29 2.°2/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.00	−15 21.3	2.965	3.688	11.7	16.2
3 2	12 58.35	−15 7.9	2.860	3.689	9.6	16.0
3 12	12 53.17	−14 40.8	2.779	3.689	7.2	15.9
3 22	12 46.84	−14 1.1	2.724	3.689	4.5	15.7
4 1	12 39.91	−13 10.9	2.697	3.688	2.3	15.6
4 11	12 32.99	−12 14.1	2.701	3.687	3.2	15.6
4 21	12 26.70	−11 15.1	2.734	3.686	5.8	15.8
5 1	12 21.55	−10 18.5	2.795	3.685	8.5	15.9

371067 2005 UD_{276} 3 31.5 180.°24 0.°9/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.91	− 9 23.0	1.939	2.711	15.5	22.2
3 2	13 1.47	− 9 7.3	1.847	2.711	12.4	21.9
3 12	12 55.75	− 8 35.7	1.776	2.711	8.8	21.7
3 22	12 48.27	− 7 50.5	1.731	2.711	4.7	21.5
4 1	12 39.83	− 6 55.9	1.713	2.711	0.9	21.2
4 11	12 31.43	− 5 58.3	1.723	2.711	4.4	21.4
4 21	12 24.01	− 5 4.1	1.760	2.711	8.6	21.7
5 1	12 18.35	− 4 19.1	1.822	2.710	12.3	21.9

309986 2009 HP_{85} 3 31.5 267.°30 0.°1/31.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.40	− 8 6.1	2.664	3.431	11.9	21.6
3 2	12 57.36	− 7 18.0	2.547	3.410	9.5	21.4
3 12	12 52.66	− 6 16.1	2.453	3.390	6.6	21.2
3 22	12 46.67	− 5 3.2	2.386	3.369	3.3	20.9
4 1	12 39.92	− 3 43.5	2.349	3.348	0.3	20.6
4 11	12 33.11	− 2 22.7	2.342	3.327	3.8	20.9
4 21	12 26.88	− 1 6.7	2.365	3.305	7.2	21.1
5 1	12 21.85	− 0 0.5	2.413	3.284	10.4	21.3

152469 2005 VG_{124} 3 31.5 267.°78 8.°2/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.17	+15 45.7	1.911	2.723	14.2	20.4
3 2	13 4.19	+16 58.1	1.827	2.708	11.7	20.2
3 12	12 57.72	+18 8.9	1.765	2.693	9.4	20.0
3 22	12 49.29	+19 9.6	1.729	2.677	8.2	19.9
4 1	12 39.78	+19 51.6	1.719	2.661	8.9	19.9
4 11	12 30.30	+20 8.5	1.735	2.646	11.2	20.0
4 21	12 21.89	+19 58.1	1.774	2.630	14.0	20.1
5 1	12 15.39	+19 21.2	1.833	2.614	16.7	20.3

496839 1998 WR_{30} 3 31.5 199.°44 1.°2/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.33	− 3 5.2	2.317	3.100	12.9	22.0
3 2	13 0.57	− 2 36.3	2.224	3.099	10.2	21.8
3 12	12 54.90	− 1 57.6	2.153	3.096	6.9	21.6
3 22	12 47.78	− 1 12.4	2.109	3.094	3.4	21.4
4 1	12 39.87	− 0 25.4	2.094	3.091	1.3	21.2
4 11	12 32.01	+ 0 18.3	2.108	3.089	4.7	21.5
4 21	12 24.95	+ 0 54.1	2.150	3.085	8.2	21.7
5 1	12 19.34	+ 1 18.4	2.217	3.082	11.3	21.9

446609 2015 MJ_{67} 3 31.5 275.°96 8.°0/11.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.60	−34 51.3	2.746	3.343	14.9	21.3
3 2	12 59.49	−35 13.9	2.619	3.322	13.6	21.2
3 12	12 54.36	−35 14.4	2.508	3.301	11.9	21.0
3 22	12 47.60	−34 49.8	2.417	3.279	10.2	20.8
4 1	12 39.88	−33 58.4	2.350	3.257	8.7	20.7
4 11	12 32.03	−32 41.7	2.309	3.235	8.0	20.6
4 21	12 24.91	−31 4.3	2.294	3.213	8.6	20.6
5 1	12 19.25	−29 13.2	2.305	3.191	10.2	20.7

157612 2005 WU_{65} 3 31.5 189.°00 2.°0/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.37	− 0 30.8	2.408	3.191	12.5	21.6
3 2	13 2.07	+ 0 9.4	2.314	3.190	9.8	21.4
3 12	12 55.87	+ 0 58.1	2.245	3.189	6.6	21.2
3 22	12 48.25	+ 1 51.0	2.203	3.187	3.4	21.0
4 1	12 39.86	+ 2 43.3	2.190	3.184	2.3	20.9
4 11	12 31.51	+ 3 29.5	2.207	3.180	5.2	21.1
4 21	12 23.97	+ 4 5.5	2.253	3.176	8.5	21.3
5 1	12 17.86	+ 4 28.1	2.323	3.171	11.5	21.4

300154 2006 VW_{89} 3 31.5 145.°48 1.°5/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.42	− 1 3.9	2.769	3.550	11.1	21.8
3 2	12 59.44	− 0 35.0	2.682	3.556	8.7	21.6
3 12	12 53.89	+ 0 0.6	2.619	3.563	5.9	21.4
3 22	12 47.19	+ 0 39.9	2.584	3.569	2.9	21.2
4 1	12 39.92	+ 1 18.9	2.579	3.575	1.6	21.1
4 11	12 32.73	+ 1 53.5	2.604	3.580	4.2	21.3
4 21	12 26.23	+ 2 20.6	2.657	3.585	7.2	21.5
5 1	12 20.93	+ 2 37.6	2.736	3.590	9.8	21.7

439127 2011 SO_{196} 3 31.5 290.°47 0.°8/30.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.03	− 5 57.5	2.305	3.089	13.0	21.6
3 2	12 57.24	− 5 5.0	2.211	3.086	10.2	21.4
3 12	12 52.63	− 3 59.0	2.140	3.083	7.0	21.2
3 22	12 46.66	− 2 43.5	2.095	3.080	3.4	21.0
4 1	12 39.95	− 1 23.8	2.079	3.078	1.0	20.8
4 11	12 33.29	− 0 6.7	2.093	3.075	4.5	21.0
4 21	12 27.38	+ 1 2.1	2.134	3.072	8.1	21.3
5 1	12 22.84	+ 1 57.6	2.201	3.070	11.3	21.4

388638 2007 TR_{131} 3 31.5 125.°84 2.°3/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.31	+ 1 40.0	2.399	3.188	12.4	21.6
3 2	13 1.93	+ 2 4.5	2.317	3.196	9.7	21.4
3 12	12 55.71	+ 2 34.6	2.259	3.203	6.6	21.2
3 22	12 48.13	+ 3 6.5	2.228	3.211	3.5	21.0
4 1	12 39.88	+ 3 35.8	2.226	3.218	2.5	21.0
4 11	12 31.75	+ 3 58.3	2.254	3.225	5.2	21.1
4 21	12 24.48	+ 4 10.8	2.309	3.232	8.3	21.3
5 1	12 18.65	+ 4 11.3	2.390	3.239	11.2	21.5

491097 2011 ST_{25} 3 31.5 188.°62 3.°3/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.46	−17 48.2	2.740	3.452	12.8	21.6
3 2	12 59.70	−17 55.8	2.635	3.451	10.7	21.5
3 12	12 54.22	−17 48.7	2.553	3.450	8.2	21.3
3 22	12 47.43	−17 26.8	2.495	3.449	5.6	21.1
4 1	12 39.92	−16 51.6	2.465	3.448	3.6	21.0
4 11	12 32.40	−16 6.3	2.465	3.446	4.0	21.0
4 21	12 25.56	−15 15.5	2.493	3.444	6.3	21.2
5 1	12 19.99	−14 24.2	2.548	3.442	9.0	21.3

284122 2005 UM_{219} 3 31.5 247.°26 1.°6/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.93	−10 11.4	1.641	2.414	17.8	21.8
3 2	13 5.40	−10 10.4	1.536	2.400	14.6	21.6
3 12	12 58.98	− 9 51.1	1.451	2.384	10.5	21.3
3 22	12 50.13	− 9 14.4	1.389	2.368	5.9	20.9
4 1	12 39.76	− 8 23.7	1.353	2.351	1.7	20.6
4 11	12 29.17	− 7 25.6	1.345	2.334	5.2	20.8
4 21	12 19.65	− 6 28.3	1.363	2.316	10.3	21.1
5 1	12 12.33	− 5 39.7	1.404	2.298	14.9	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
65052	2002 AA_{157}		3 31.5	326.°18	3.°7/27.8	18
	h m	° ′			°	m
2 21	13 0.92	+ 0 24.1	1.711	2.528	15.4	19.0
3 2	12 58.61	+ 1 36.7	1.627	2.522	12.0	18.8
3 12	12 53.95	+ 3 2.4	1.565	2.517	8.2	18.5
3 22	12 47.44	+ 4 34.1	1.528	2.512	4.6	18.3
4 1	12 39.92	+ 6 2.8	1.518	2.507	4.2	18.3
4 11	12 32.45	+ 7 19.2	1.535	2.502	7.7	18.5
4 21	12 26.01	+ 8 16.5	1.576	2.498	11.6	18.7
5 1	12 21.42	+ 8 50.7	1.640	2.493	15.2	18.9
274451	2008 SK_{52}		3 31.5	215.°55	0.°0/31.5	17
2 21	13 3.68	− 7 36.0	2.346	3.115	13.2	21.7
3 2	13 0.11	− 7 2.7	2.244	3.109	10.5	21.5
3 12	12 54.63	− 6 15.9	2.165	3.102	7.3	21.3
3 22	12 47.68	− 5 18.4	2.112	3.095	3.7	21.0
4 1	12 39.91	− 4 14.7	2.088	3.087	0.2	20.7
4 11	12 32.13	− 3 10.3	2.094	3.079	4.1	21.0
4 21	12 25.12	− 2 11.1	2.128	3.071	7.8	21.2
5 1	12 19.53	− 1 21.9	2.187	3.062	11.1	21.4
156409	2002 AO_{46}		3 31.5	238.°83	5.°8/25.1	17
2 21	13 3.51	+ 7 51.7	1.960	2.776	13.7	20.0
3 2	13 0.33	+ 9 16.3	1.878	2.770	10.9	19.8
3 12	12 54.95	+10 46.5	1.820	2.765	7.9	19.6
3 22	12 47.88	+12 14.4	1.789	2.758	5.9	19.4
4 1	12 39.90	+13 31.4	1.785	2.752	6.5	19.4
4 11	12 31.97	+14 29.9	1.808	2.746	9.1	19.6
4 21	12 25.00	+15 5.7	1.855	2.739	12.2	19.8
5 1	12 19.72	+15 17.1	1.924	2.732	15.1	19.9
108960	2001 PD_{33}		3 31.5	194.°77	4.°0/26.6	18
2 21	13 4.70	+ 7 22.3	2.601	3.399	11.3	20.2
3 2	13 0.60	+ 8 10.7	2.515	3.398	8.9	20.1
3 12	12 54.78	+ 9 1.9	2.454	3.395	6.3	19.9
3 22	12 47.68	+ 9 51.0	2.420	3.393	4.3	19.8
4 1	12 39.92	+10 33.0	2.415	3.390	4.4	19.8
4 11	12 32.22	+11 3.3	2.439	3.387	6.5	19.9
4 21	12 25.27	+11 19.2	2.490	3.383	9.1	20.0
5 1	12 19.63	+11 19.3	2.566	3.379	11.6	20.2
407705	2011 UB_{153}		3 31.5	163.°10	1.°6/ 2.0	18
2 21	13 6.42	−12 17.5	1.813	2.576	16.7	21.6
3 2	13 2.83	−11 51.8	1.724	2.580	13.6	21.4
3 12	12 56.79	−11 6.1	1.655	2.584	9.8	21.2
3 22	12 48.84	−10 2.3	1.611	2.588	5.4	20.9
4 1	12 39.86	− 8 45.4	1.593	2.591	1.6	20.7
4 11	12 30.97	− 7 23.2	1.604	2.593	4.6	20.9
4 21	12 23.18	− 6 3.8	1.643	2.595	8.9	21.2
5 1	12 17.32	− 4 54.9	1.706	2.597	12.9	21.4
208377	2001 SO_{75}		3 31.5	220.°62	2.°0/ 2.8	18
2 21	13 4.97	−12 44.8	2.827	3.560	12.0	21.5
3 2	13 0.83	−12 47.2	2.715	3.551	9.8	21.4
3 12	12 54.98	−12 37.5	2.625	3.541	7.2	21.2
3 22	12 47.83	−12 16.5	2.562	3.532	4.4	21.0
4 1	12 39.92	−11 46.0	2.528	3.521	2.1	20.8
4 11	12 31.96	−11 9.3	2.524	3.510	3.4	20.9
4 21	12 24.61	−10 30.3	2.549	3.499	6.3	21.0
5 1	12 18.49	− 9 53.4	2.601	3.487	9.1	21.2
431883	2008 SE_{218}		3 31.5	214.°94	2.°9/ 3.5	17
2 21	13 7.94	−14 28.9	2.515	3.241	13.5	21.7
3 2	13 3.44	−14 46.9	2.405	3.234	11.2	21.5
3 12	12 56.94	−14 51.4	2.317	3.226	8.4	21.3
3 22	12 48.86	−14 42.3	2.254	3.218	5.4	21.1
4 1	12 39.87	−14 21.0	2.220	3.209	3.0	21.0
4 11	12 30.79	−13 50.4	2.215	3.199	4.0	21.0
4 21	12 22.45	−13 14.9	2.239	3.190	7.0	21.2
5 1	12 15.54	−12 39.4	2.290	3.179	10.1	21.4
499221	2009 UC_{84}		3 31.5	180.°52	2.°2/ 3.2	17
2 21	13 4.29	−15 10.0	2.380	3.114	14.0	22.8
3 2	13 0.57	−14 46.6	2.280	3.116	11.5	22.7
3 12	12 54.93	−14 5.7	2.201	3.116	8.5	22.5
3 22	12 47.82	−13 8.6	2.147	3.116	5.1	22.3
4 1	12 39.93	−11 58.5	2.123	3.116	2.4	22.1
4 11	12 32.07	−10 41.0	2.127	3.115	3.8	22.2
4 21	12 25.02	− 9 22.5	2.161	3.114	7.1	22.4
5 1	12 19.43	− 8 9.3	2.221	3.112	10.3	22.6
521169	2015 FX_{408}		3 31.5	24.°43	0.°8/ 1.3	17
2 21	13 3.17	− 8 54.0	1.972	2.748	15.1	21.6
3 2	13 0.04	− 8 42.2	1.884	2.750	12.1	21.4
3 12	12 54.75	− 8 15.5	1.816	2.753	8.5	21.2
3 22	12 47.78	− 7 36.2	1.774	2.755	4.5	20.9
4 1	12 39.93	− 6 48.6	1.759	2.758	0.8	20.7
4 11	12 32.14	− 5 58.3	1.772	2.761	4.2	20.9
4 21	12 25.30	− 5 11.3	1.812	2.764	8.3	21.2
5 1	12 20.14	− 4 33.0	1.877	2.767	11.9	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
430151	2013 TJ_{51}		3 31.5	120.°10	0.°2/31.7	17
	h m	° ′			°	m
2 21	13 6.39	− 7 0.2	2.273	3.040	13.6	22.1
3 2	13 2.12	− 6 42.9	2.191	3.054	10.8	21.9
3 12	12 55.91	− 6 13.9	2.132	3.068	7.5	21.7
3 22	12 48.26	− 5 35.7	2.099	3.081	3.8	21.5
4 1	12 39.91	− 4 52.4	2.095	3.094	0.2	21.2
4 11	12 31.70	− 4 9.0	2.120	3.106	4.0	21.6
4 21	12 24.40	− 3 30.1	2.174	3.119	7.6	21.8
5 1	12 18.63	− 2 59.8	2.254	3.130	10.7	22.0
317407	2002 PY_{150}		3 31.5	258.°63	1.°5/30.2	17
2 21	13 4.72	− 4 1.4	1.705	2.504	16.2	21.1
3 2	13 1.71	− 3 22.1	1.612	2.496	12.8	20.9
3 12	12 56.17	− 2 27.7	1.540	2.487	8.8	20.6
3 22	12 48.61	− 1 22.5	1.493	2.479	4.3	20.3
4 1	12 39.88	− 0 13.4	1.473	2.471	1.8	20.1
4 11	12 31.15	+ 0 51.5	1.480	2.462	6.0	20.4
4 21	12 23.47	+ 1 44.8	1.513	2.453	10.6	20.6
5 1	12 17.75	+ 2 21.1	1.569	2.445	14.6	20.8
148801	2001 UR_{93}		3 31.5	57.°77	8.°0/24.8	18
2 21	13 8.24	+13 31.3	1.605	2.427	16.0	19.5
3 2	13 4.28	+14 41.7	1.551	2.441	12.9	19.3
3 12	12 57.69	+15 49.8	1.520	2.456	9.9	19.2
3 22	12 49.20	+16 46.3	1.513	2.471	8.1	19.1
4 1	12 39.87	+17 22.7	1.531	2.486	8.6	19.2
4 11	12 30.91	+17 33.4	1.574	2.501	11.0	19.4
4 21	12 23.38	+17 17.6	1.640	2.517	13.9	19.6
5 1	12 18.00	+16 37.1	1.727	2.532	16.7	19.8
473017	2015 HX_{55}		3 31.5	276.°76	5.°0/ 6.3	18
2 21	13 2.26	−22 35.2	2.466	3.160	14.5	21.4
3 2	12 59.20	−22 46.7	2.345	3.141	12.5	21.2
3 12	12 54.16	−22 39.3	2.244	3.122	10.1	21.0
3 22	12 47.53	−22 11.5	2.166	3.103	7.5	20.8
4 1	12 39.94	−21 23.9	2.114	3.084	5.4	20.6
4 11	12 32.22	−20 19.6	2.090	3.064	5.3	20.6
4 21	12 25.18	−19 4.2	2.094	3.045	7.4	20.7
5 1	12 19.57	−17 44.5	2.124	3.025	10.2	20.8
287693	Hugonnaivilma		3 31.5	202.°25	0.°7/ 1.2	17
2 21	13 7.73	− 9 8.0	2.091	2.853	14.8	22.6
3 2	13 3.59	− 8 46.2	1.990	2.849	11.9	22.4
3 12	12 57.20	− 8 8.9	1.911	2.843	8.4	22.2
3 22	12 49.03	− 7 18.5	1.857	2.837	4.4	21.9
4 1	12 39.87	− 6 19.2	1.832	2.831	0.7	21.6
4 11	12 30.69	− 5 17.0	1.836	2.823	4.3	21.9
4 21	12 22.42	− 4 18.3	1.868	2.815	8.4	22.1
5 1	12 15.84	− 3 28.9	1.926	2.806	12.1	22.3
144867	2004 LA_{17}		3 31.5	302.°96	2.°3/ 2.4	17
2 21	13 4.03	−11 30.1	1.668	2.445	17.4	19.9
3 2	13 1.43	−11 37.9	1.566	2.430	14.3	19.6
3 12	12 56.17	−11 27.5	1.483	2.415	10.5	19.3
3 22	12 48.70	−10 59.3	1.423	2.400	6.1	19.0
4 1	12 39.89	−10 16.3	1.389	2.385	2.4	18.8
4 11	12 30.91	− 9 24.3	1.381	2.371	5.0	18.9
4 21	12 22.96	− 8 30.8	1.399	2.357	9.6	19.1
5 1	12 17.03	− 7 43.5	1.441	2.343	14.0	19.3
509022	2005 NX_{76}		3 31.5	216.°74	0.°1/31.7	17
2 21	13 1.31	− 8 11.2	2.756	3.518	11.6	22.1
3 2	12 57.94	− 7 35.4	2.651	3.512	9.2	22.0
3 12	12 52.98	− 6 47.7	2.571	3.506	6.4	21.8
3 22	12 46.82	− 5 50.4	2.517	3.499	3.3	21.5
4 1	12 40.00	− 4 47.4	2.493	3.492	0.2	21.2
4 11	12 33.19	− 3 43.5	2.499	3.484	3.5	21.5
4 21	12 27.00	− 2 43.7	2.534	3.477	6.7	21.7
5 1	12 21.98	− 1 52.1	2.595	3.469	9.6	21.9
148363	2000 SX_{90}		3 31.5	181.°00	4.°8/ 7.7	18
2 21	13 3.90	−25 48.1	3.295	3.943	11.9	21.1
3 2	12 59.82	−26 2.9	3.186	3.944	10.3	21.0
3 12	12 54.20	−26 2.1	3.096	3.945	8.5	20.8
3 22	12 47.40	−25 45.0	3.031	3.945	6.6	20.7
4 1	12 39.97	−25 11.9	2.994	3.944	5.1	20.6
4 11	12 32.54	−24 25.0	2.985	3.943	4.9	20.6
4 21	12 25.70	−23 28.2	3.004	3.942	6.0	20.6
5 1	12 19.99	−22 26.1	3.052	3.940	7.9	20.8
39066	2000 US_{112}		3 31.5	286.°80	0.°2/31.4	17 R
2 21	13 3.01	− 7 6.8	1.884	2.670	15.4	19.6
3 2	13 0.09	− 6 37.6	1.790	2.665	12.3	19.3
3 12	12 54.89	− 5 52.9	1.718	2.660	8.5	19.1
3 22	12 47.92	− 4 55.8	1.671	2.655	4.2	18.8
4 1	12 39.95	− 3 51.6	1.651	2.650	0.3	18.5
4 11	12 31.99	− 2 47.5	1.659	2.645	4.8	18.8
4 21	12 24.99	− 1 50.2	1.693	2.640	9.1	19.1
5 1	12 19.73	− 1 5.4	1.752	2.636	12.9	19.3

55931 1998 FM_{67} 3 31.5 271.°37 1.°9/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.64	− 2 4.2	2.330	3.124	12.6	19.3
3 2	12 57.68	− 1 9.4	2.240	3.122	9.8	19.1
3 12	12 52.92	− 0 4.2	2.173	3.120	6.6	18.9
3 22	12 46.82	+ 1 7.0	2.133	3.118	3.3	18.6
4 1	12 40.01	+ 2 18.6	2.122	3.117	2.2	18.6
4 11	12 33.24	+ 3 24.3	2.140	3.115	5.2	18.7
4 21	12 27.24	+ 4 18.9	2.186	3.113	8.5	18.9
5 1	12 22.59	+ 4 58.9	2.256	3.111	11.5	19.1

411315 2010 TJ_{162} 3 31.5 47.°11 0.°7/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.28	−14 44.2	1.333	2.114	20.8	20.2
3 2	13 1.36	−12 10.7	1.284	2.156	16.3	20.0
3 12	12 55.68	− 9 5.6	1.257	2.199	11.0	19.8
3 22	12 48.14	− 5 40.7	1.256	2.241	5.2	19.6
4 1	12 39.96	− 2 13.6	1.285	2.284	1.0	19.4
4 11	12 32.39	+ 0 57.5	1.343	2.326	6.3	19.9
4 21	12 26.43	+ 3 38.8	1.429	2.369	11.1	20.2
5 1	12 22.71	+ 5 43.6	1.539	2.411	15.1	20.6

432794 2011 FD_{149} 3 31.5 311.°76 1.°7/ 1.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.80	− 8 24.7	1.682	2.466	17.0	21.2
3 2	13 3.04	− 8 47.4	1.563	2.433	14.0	20.9
3 12	12 57.49	− 8 56.8	1.465	2.401	10.2	20.6
3 22	12 49.50	− 8 53.1	1.389	2.369	5.7	20.2
4 1	12 39.86	− 8 38.1	1.340	2.338	1.8	19.9
4 11	12 29.77	− 8 16.4	1.317	2.306	5.2	20.0
4 21	12 20.51	− 7 53.6	1.319	2.275	10.3	20.2
5 1	12 13.28	− 7 36.2	1.345	2.245	15.0	20.4

146502 2001 SF_{41} 3 31.5 17.°20 2.°4/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.19	−11 0.4	1.598	2.376	18.0	19.5
3 2	13 3.05	−11 18.4	1.513	2.378	14.7	19.3
3 12	12 57.18	−11 19.1	1.448	2.380	10.7	19.1
3 22	12 49.14	−11 3.0	1.406	2.382	6.2	18.8
4 1	12 39.89	−10 33.0	1.389	2.385	2.5	18.6
4 11	12 30.70	− 9 54.9	1.399	2.388	5.0	18.7
4 21	12 22.72	− 9 15.6	1.434	2.392	9.5	19.0
5 1	12 16.89	− 8 41.9	1.493	2.396	13.6	19.3

113031 2002 RL_{47} 3 31.5 167.°06 1.°6/29.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.60	− 2 33.6	2.160	2.942	13.8	21.3
3 2	13 3.24	− 1 56.1	2.072	2.947	10.8	21.1
3 12	12 56.80	− 1 8.1	2.008	2.951	7.4	20.9
3 22	12 48.77	− 0 13.7	1.970	2.955	3.6	20.7
4 1	12 39.92	+ 0 41.7	1.962	2.958	1.8	20.5
4 11	12 31.17	+ 1 32.2	1.982	2.961	5.2	20.8
4 21	12 23.35	+ 2 12.7	2.031	2.962	8.8	21.0
5 1	12 17.16	+ 2 39.7	2.105	2.963	12.1	21.2

275184 2009 WG_{65} 3 31.5 164.°95 1.°0/30.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.65	− 3 15.3	2.067	2.852	14.2	21.1
3 2	13 2.63	− 2 55.1	1.979	2.854	11.2	20.9
3 12	12 56.45	− 2 24.5	1.913	2.856	7.7	20.6
3 22	12 48.63	− 1 46.8	1.873	2.858	3.7	20.4
4 1	12 39.93	− 1 7.0	1.861	2.859	1.2	20.2
4 11	12 31.31	− 0 30.3	1.878	2.861	4.9	20.5
4 21	12 23.64	− 0 1.5	1.923	2.862	8.8	20.7
5 1	12 17.63	+ 0 15.8	1.992	2.862	12.2	20.9

10915 1997 YU_{16} 3 31.5 331.°91 1.°7/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.96	− 2 24.3	1.785	2.585	15.6	18.6
3 2	13 1.69	− 1 54.4	1.699	2.584	12.3	18.3
3 12	12 56.02	− 1 12.5	1.635	2.583	8.4	18.1
3 22	12 48.48	− 0 23.1	1.596	2.582	4.1	17.8
4 1	12 39.94	+ 0 27.7	1.584	2.581	1.9	17.7
4 11	12 31.47	+ 1 13.1	1.599	2.580	5.8	17.9
4 21	12 24.05	+ 1 47.3	1.640	2.579	10.0	18.2
5 1	12 18.51	+ 2 6.4	1.705	2.578	13.8	18.4

238711 2005 GD_{35} 3 31.5 98.°73 1.°3/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.05	− 9 43.4	2.191	2.953	14.2	20.9
3 2	13 1.28	− 9 42.3	2.101	2.958	11.5	20.7
3 12	12 55.48	− 9 27.8	2.033	2.964	8.2	20.5
3 22	12 48.13	− 9 1.7	1.991	2.969	4.5	20.3
4 1	12 39.97	− 8 27.0	1.977	2.974	1.3	20.0
4 11	12 31.87	− 7 48.4	1.991	2.979	3.9	20.2
4 21	12 24.66	− 7 10.8	2.033	2.985	7.5	20.5
5 1	12 19.02	− 6 39.1	2.101	2.990	10.9	20.7

496460 2014 QS_{414} 3 31.5 270.°01 2.°5/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.20	− 2 22.4	1.501	2.312	17.5	22.0
3 2	13 2.51	− 1 35.0	1.410	2.301	13.8	21.7
3 12	12 56.99	− 0 31.4	1.339	2.289	9.5	21.5
3 22	12 49.13	+ 0 43.0	1.291	2.277	4.8	21.2
4 1	12 39.91	+ 1 59.7	1.270	2.265	2.9	21.0
4 11	12 30.62	+ 3 8.8	1.275	2.253	7.3	21.2
4 21	12 22.51	+ 4 1.9	1.304	2.241	12.2	21.5
5 1	12 16.63	+ 4 33.6	1.355	2.229	16.6	21.7

255684 2006 QF_{53} 3 31.5 278.°85 2.°4/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.33	− 1 54.2	1.666	2.471	16.3	21.2
3 2	13 2.44	− 1 12.8	1.562	2.450	12.9	20.9
3 12	12 56.88	− 0 16.9	1.479	2.429	8.9	20.6
3 22	12 49.09	+ 0 48.7	1.421	2.407	4.5	20.3
4 1	12 39.91	+ 1 57.0	1.389	2.384	2.7	20.1
4 11	12 30.54	+ 2 59.2	1.384	2.362	6.9	20.3
4 21	12 22.16	+ 3 47.5	1.404	2.340	11.6	20.5
5 1	12 15.79	+ 4 16.6	1.447	2.317	16.0	20.7

91478 1999 RO_{99} 3 31.5 128.°11 1.°8/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.51	−13 56.7	2.660	3.390	12.8	20.6
3 2	13 1.15	−13 33.9	2.574	3.409	10.4	20.5
3 12	12 55.11	−12 56.5	2.511	3.427	7.5	20.3
3 22	12 47.84	−12 6.3	2.474	3.445	4.4	20.1
4 1	12 39.99	−11 6.5	2.467	3.462	1.9	20.0
4 11	12 32.28	−10 1.7	2.490	3.478	3.3	20.1
4 21	12 25.36	− 8 57.3	2.543	3.493	6.3	20.3
5 1	12 19.77	− 7 58.0	2.624	3.508	9.1	20.5

163598 2002 TQ_{230} 3 31.5 195.°89 4.°8/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.08	+10 37.8	2.954	3.753	10.0	21.6
3 2	12 59.18	+11 59.5	2.870	3.750	8.0	21.4
3 12	12 53.75	+13 23.1	2.812	3.746	6.0	21.3
3 22	12 47.19	+14 43.1	2.783	3.741	4.8	21.2
4 1	12 40.02	+15 53.8	2.783	3.736	5.4	21.2
4 11	12 32.89	+16 50.4	2.813	3.730	7.1	21.3
4 21	12 26.38	+17 30.1	2.869	3.723	9.3	21.5
5 1	12 21.01	+17 51.6	2.949	3.716	11.3	21.6

253368 2003 GV_{42} 3 31.5 348.°48 10.°2/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.28	+16 44.1	1.484	2.318	16.5	19.9
3 2	13 1.70	+18 17.2	1.420	2.313	13.6	19.7
3 12	12 56.28	+19 47.0	1.378	2.309	11.2	19.5
3 22	12 48.68	+21 2.1	1.359	2.305	10.2	19.4
4 1	12 39.94	+21 51.5	1.363	2.302	11.1	19.5
4 11	12 31.41	+22 8.2	1.391	2.299	13.6	19.6
4 21	12 24.25	+21 50.6	1.439	2.298	16.5	19.8
5 1	12 19.34	+21 1.4	1.505	2.297	19.3	20.0

466058 2011 SF_{211} 3 31.5 161.°65 1.°0/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 19.87	− 5 35.2	1.838	2.596	16.7	21.6
3 2	13 13.45	− 6 11.4	1.746	2.601	13.5	21.4
3 12	13 4.16	− 6 38.3	1.676	2.607	9.5	21.1
3 22	12 52.59	− 6 56.6	1.631	2.611	5.0	20.9
4 1	12 39.76	− 7 7.9	1.616	2.615	1.0	20.6
4 11	12 26.97	− 7 15.2	1.632	2.618	4.9	20.9
4 21	12 15.47	− 7 22.3	1.676	2.621	9.4	21.1
5 1	12 6.24	− 7 32.9	1.746	2.623	13.3	21.4

337572 2001 SW_{315} 3 31.5 130.°56 1.°4/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.54	−11 55.2	3.317	4.042	10.5	22.4
3 2	13 0.81	−11 51.0	3.228	4.061	8.5	22.3
3 12	12 54.70	−11 36.6	3.163	4.079	6.1	22.1
3 22	12 47.60	−11 13.3	3.126	4.097	3.6	22.0
4 1	12 40.02	−10 43.1	3.119	4.114	1.5	21.8
4 11	12 32.54	−10 9.0	3.143	4.130	2.8	22.0
4 21	12 25.68	− 9 34.3	3.198	4.145	5.3	22.1
5 1	12 19.89	− 9 2.2	3.281	4.160	7.6	22.3

390173 2012 VS_{109} 3 31.5 29.°58 2.°5/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.19	−15 4.7	2.052	2.805	15.3	20.8
3 2	12 57.65	−14 46.9	1.964	2.812	12.6	20.7
3 12	12 53.07	−14 9.9	1.898	2.818	9.3	20.5
3 22	12 46.96	−13 15.2	1.855	2.826	5.7	20.3
4 1	12 40.05	−12 6.7	1.840	2.833	2.7	20.1
4 11	12 33.23	−10 50.6	1.852	2.841	4.0	20.2
4 21	12 27.32	− 9 34.0	1.892	2.850	7.5	20.4
5 1	12 22.99	− 8 23.7	1.957	2.858	11.0	20.6

175806 1999 RE_{165} 3 31.5 224.°64 3.°7/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.82	−17 49.5	2.845	3.550	12.5	20.7
3 2	13 1.58	−18 15.4	2.733	3.543	10.5	20.5
3 12	12 55.57	−18 28.1	2.643	3.535	8.2	20.3
3 22	12 48.18	−18 27.1	2.578	3.528	5.7	20.2
4 1	12 40.00	−18 13.0	2.541	3.520	3.9	20.0
4 11	12 31.74	−17 48.1	2.534	3.512	4.2	20.0
4 21	12 24.10	−17 15.9	2.555	3.503	6.4	20.1
5 1	12 17.71	−16 41.0	2.604	3.495	9.0	20.3

94005 2000 XO_{25} 3 31.5 167.°21 3.°0/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.08	+ 3 36.4	2.284	3.074	12.9	19.9
3 2	13 4.27	+ 4 3.1	2.198	3.077	10.1	19.7
3 12	12 57.43	+ 4 34.6	2.137	3.080	7.0	19.5
3 22	12 49.08	+ 5 6.5	2.102	3.083	3.9	19.3
4 1	12 39.96	+ 5 33.9	2.096	3.085	3.3	19.3
4 11	12 30.94	+ 5 52.5	2.120	3.087	5.9	19.4
4 21	12 22.84	+ 5 59.0	2.172	3.089	9.1	19.6
5 1	12 16.32	+ 5 52.0	2.248	3.089	12.1	19.8

430754 2004 QQ_{13} 3 31.5 257.°77 0.°2/31.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.93	− 4 13.4	2.072	2.847	14.5	21.2
3 2	13 5.47	− 4 17.5	1.963	2.831	11.6	20.9
3 12	12 58.63	− 4 12.1	1.876	2.815	8.1	20.7
3 22	12 49.86	− 3 59.1	1.815	2.798	4.1	20.4
4 1	12 39.92	− 3 41.8	1.782	2.781	0.4	20.1
4 11	12 29.83	− 3 24.7	1.778	2.764	4.7	20.4
4 21	12 20.60	− 3 11.9	1.803	2.746	8.9	20.6
5 1	12 13.09	− 3 7.3	1.852	2.728	12.7	20.8

28765 Katherinewu 3 31.5 225.°61 0.°6/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.14	− 5 25.4	1.690	2.479	16.8	18.8
3 2	13 4.50	− 5 2.0	1.595	2.472	13.4	18.6
3 12	12 58.18	− 4 23.3	1.521	2.464	9.3	18.3
3 22	12 49.68	− 3 32.7	1.471	2.456	4.6	18.0
4 1	12 39.93	− 2 35.8	1.449	2.448	0.8	17.7
4 11	12 30.14	− 1 40.2	1.454	2.439	5.6	18.0
4 21	12 21.45	− 0 53.1	1.485	2.429	10.4	18.2
5 1	12 14.84	− 0 20.2	1.540	2.420	14.6	18.5

427547 2002 SJ_4 3 31.5 167.°37 6.°2/ 7.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.79	−26 52.3	2.590	3.237	14.8	23.1
3 2	13 4.94	−27 20.1	2.487	3.244	13.0	23.0
3 12	12 58.00	−27 28.5	2.404	3.249	10.7	22.8
3 22	12 49.43	−27 15.4	2.344	3.254	8.4	22.7
4 1	12 39.95	−26 40.6	2.311	3.258	6.6	22.6
4 11	12 30.49	−25 46.7	2.306	3.261	6.3	22.6
4 21	12 21.88	−24 38.9	2.328	3.264	7.7	22.7
5 1	12 14.85	−23 23.9	2.378	3.265	9.9	22.8

8739 Morihisa 3 31.5 240.°57 1.°5/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.40	− 1 11.7	2.893	3.672	10.7	18.1
3 2	12 59.54	− 0 40.4	2.784	3.657	8.4	17.9
3 12	12 54.08	− 0 1.8	2.698	3.641	5.7	17.7
3 22	12 47.42	+ 0 41.2	2.641	3.625	2.9	17.5
4 1	12 40.06	+ 1 24.7	2.613	3.609	1.6	17.4
4 11	12 32.66	+ 2 4.6	2.616	3.592	4.3	17.5
4 21	12 25.84	+ 2 37.1	2.648	3.574	7.2	17.7
5 1	12 20.14	+ 2 59.6	2.705	3.557	10.0	17.9

336234 2008 SJ_{99} 3 31.5 250.°41 1.°6/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.40	− 2 45.2	2.071	2.864	13.9	21.0
3 2	13 0.17	− 2 4.4	1.977	2.858	11.0	20.7
3 12	12 54.84	− 1 12.0	1.905	2.851	7.5	20.5
3 22	12 47.88	− 0 12.2	1.859	2.844	3.7	20.3
4 1	12 40.03	+ 0 49.5	1.841	2.838	1.9	20.1
4 11	12 32.20	+ 1 46.3	1.852	2.831	5.4	20.3
4 21	12 25.22	+ 2 32.7	1.890	2.824	9.2	20.6
5 1	12 19.83	+ 3 4.6	1.952	2.817	12.6	20.8

135211 2001 RL_{72} 3 31.5 152.°15 1.°4/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.99	−13 1.1	2.716	3.456	12.3	20.1
3 2	12 58.47	−12 32.4	2.620	3.463	9.9	19.9
3 12	12 53.34	−11 49.5	2.547	3.468	7.2	19.8
3 22	12 47.02	−10 54.1	2.500	3.474	4.1	19.6
4 1	12 40.09	− 9 49.6	2.483	3.479	1.5	19.4
4 11	12 33.22	− 8 40.9	2.496	3.484	3.2	19.5
4 21	12 27.04	− 7 33.1	2.538	3.488	6.3	19.7
5 1	12 22.09	− 6 31.0	2.607	3.492	9.1	19.9

380395 2002 XK_{78} 3 31.5 58.°58 6.°0/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.53	+11 10.4	1.984	2.797	13.8	20.3
3 2	13 2.37	+12 7.9	1.932	2.819	10.9	20.2
3 12	12 56.11	+13 4.7	1.903	2.841	8.0	20.0
3 22	12 48.38	+13 53.9	1.899	2.863	6.2	20.0
4 1	12 40.03	+14 29.0	1.923	2.886	6.5	20.0
4 11	12 32.00	+14 45.7	1.974	2.909	8.6	20.2
4 21	12 25.11	+14 42.2	2.049	2.931	11.3	20.4
5 1	12 19.95	+14 19.2	2.147	2.954	13.8	20.6

33205 Graigmarx 3 31.5 348.°11 0.°0/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.95	− 6 34.2	2.034	2.819	14.4	18.9
3 2	12 59.07	− 6 17.9	1.942	2.816	11.5	18.7
3 12	12 54.10	− 5 48.6	1.871	2.813	8.0	18.5
3 22	12 47.52	− 5 9.0	1.826	2.810	4.0	18.2
4 1	12 40.07	− 4 23.6	1.808	2.808	0.2	17.9
4 11	12 32.65	− 3 37.8	1.818	2.806	4.4	18.2
4 21	12 26.10	− 2 57.3	1.856	2.804	8.4	18.5
5 1	12 21.13	− 2 26.7	1.917	2.803	11.9	18.7

417708 2007 BQ_{90} 3 31.5 312.°78 5.°9/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.54	−18 50.8	1.709	2.448	18.5	20.8
3 2	13 2.70	−19 35.3	1.610	2.439	15.7	20.5
3 12	12 57.11	−19 59.6	1.529	2.430	12.4	20.3
3 22	12 49.25	−20 1.0	1.469	2.422	8.9	20.1
4 1	12 39.98	−19 39.2	1.434	2.413	6.2	19.9
4 11	12 30.55	−18 57.7	1.425	2.405	6.5	19.9
4 21	12 22.18	−18 3.2	1.442	2.397	9.6	20.0
5 1	12 15.92	−17 4.4	1.481	2.390	13.3	20.2

153597 2001 SE_{279} 3 31.5 69.°18 3.°2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.93	−17 52.2	1.738	2.482	18.0	19.8
3 2	13 1.58	−17 23.2	1.671	2.510	14.8	19.6
3 12	12 55.82	−16 29.7	1.623	2.537	11.0	19.5
3 22	12 48.32	−15 13.7	1.598	2.564	6.9	19.3
4 1	12 40.04	−13 40.6	1.600	2.592	3.5	19.1
4 11	12 32.09	−11 59.1	1.630	2.618	4.6	19.2
4 21	12 25.39	−10 18.7	1.687	2.645	8.3	19.5
5 1	12 20.65	− 8 48.0	1.770	2.672	11.9	19.8

84434 2002 TD_{227} 3 31.5 65.°45 1.°2/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.44	− 5 17.9	1.559	2.359	17.4	19.9
3 2	13 2.17	− 4 32.2	1.496	2.380	13.6	19.7
3 12	12 56.33	− 3 30.6	1.454	2.401	9.2	19.5
3 22	12 48.61	− 2 18.6	1.436	2.422	4.4	19.3
4 1	12 40.03	− 1 3.9	1.444	2.443	1.4	19.1
4 11	12 31.77	+ 0 4.6	1.480	2.464	5.8	19.5
4 21	12 24.83	+ 1 0.0	1.542	2.484	10.2	19.8
5 1	12 19.97	+ 1 37.6	1.626	2.505	14.0	20.0

429213 2009 WD_{233} 3 31.5 189.°96 1.°1/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.33	− 4 2.8	2.391	3.167	12.8	22.5
3 2	13 1.33	− 3 23.3	2.295	3.166	10.1	22.3
3 12	12 55.45	− 2 33.0	2.223	3.164	6.9	22.0
3 22	12 48.14	− 1 35.2	2.177	3.162	3.3	21.8
4 1	12 40.06	− 0 34.9	2.161	3.159	1.3	21.6
4 11	12 32.01	+ 0 22.3	2.175	3.155	4.6	21.9
4 21	12 24.74	+ 1 11.4	2.218	3.151	8.1	22.1
5 1	12 18.90	+ 1 48.6	2.286	3.147	11.2	22.3

141304 2001 YS_{108} 3 31.5 146.°51 3.°4/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.30	−18 1.8	2.659	3.372	13.1	20.3
3 2	12 59.63	−18 5.7	2.561	3.377	11.0	20.2
3 12	12 54.22	−17 54.0	2.484	3.382	8.4	20.0
3 22	12 47.50	−17 26.9	2.432	3.387	5.7	19.8
4 1	12 40.09	−16 46.2	2.408	3.391	3.6	19.7
4 11	12 32.71	−15 55.5	2.413	3.395	4.0	19.7
4 21	12 26.04	−14 59.7	2.447	3.399	6.4	19.9
5 1	12 20.69	−14 3.9	2.507	3.403	9.1	20.1

305945 2009 HX_{16} 3 31.5 56.°72 1.°7/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.36	− 4 16.4	1.377	2.189	18.7	21.0
3 2	13 2.51	− 3 33.8	1.313	2.204	14.7	20.7
3 12	12 56.80	− 2 34.4	1.268	2.218	9.9	20.5
3 22	12 48.93	− 1 24.3	1.247	2.234	4.8	20.2
4 1	12 40.02	− 0 11.9	1.251	2.249	1.9	20.1
4 11	12 31.41	+ 0 52.9	1.281	2.264	6.6	20.4
4 21	12 24.26	+ 1 42.6	1.336	2.280	11.3	20.7
5 1	12 19.42	+ 2 12.5	1.413	2.296	15.5	21.0

468462 2004 BS_{102} 3 31.5 160.°39 14.°0/17.1 16 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 20.13	+24 0.7	1.508	2.307	18.0	22.8
3 2	13 14.34	+27 11.1	1.467	2.321	15.6	22.7
3 12	13 5.06	+30 10.4	1.450	2.333	14.2	22.7
3 22	12 53.10	+32 41.3	1.457	2.343	14.2	22.7
4 1	12 39.82	+34 29.2	1.489	2.351	15.5	22.8
4 11	12 26.93	+35 27.7	1.544	2.357	17.6	22.9
4 21	12 15.92	+35 38.5	1.616	2.361	19.9	23.1
5 1	12 7.82	+35 8.1	1.704	2.363	21.9	23.3

361154 2006 JX_1 3 31.5 316.°91 3.°0/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.92	−15 34.4	1.356	2.142	20.3	20.4
3 2	12 58.00	−15 15.6	1.260	2.127	16.8	20.1
3 12	12 54.17	−14 26.8	1.181	2.112	12.6	19.8
3 22	12 47.87	−13 8.1	1.123	2.098	7.7	19.5
4 1	12 40.06	−11 24.0	1.089	2.085	3.3	19.2
4 11	12 32.11	− 9 25.0	1.080	2.072	5.6	19.3
4 21	12 25.39	− 7 24.7	1.095	2.059	10.9	19.5
5 1	12 21.00	− 5 36.5	1.132	2.047	15.9	19.8

85643 1998 OC_{10} 3 31.5 317.°52 6.°0/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.44	+ 7 35.6	1.981	2.806	13.3	18.7
3 2	12 56.50	+ 9 14.0	1.886	2.783	10.5	18.5
3 12	12 52.47	+11 0.6	1.815	2.761	7.8	18.3
3 22	12 46.79	+12 47.2	1.770	2.739	6.0	18.1
4 1	12 40.13	+14 24.4	1.752	2.717	6.9	18.1
4 11	12 33.39	+15 43.5	1.761	2.695	9.6	18.2
4 21	12 27.46	+16 38.6	1.795	2.674	12.7	18.4
5 1	12 23.09	+17 7.2	1.849	2.654	15.7	18.5

210472 1995 SX_{24} 3 31.5 80.°34 1.°1/30.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.02	− 2 2.5	2.288	3.071	13.1	20.9
3 2	13 1.87	− 1 51.5	2.205	3.079	10.3	20.7
3 12	12 55.79	− 1 32.7	2.144	3.087	7.0	20.5
3 22	12 48.29	− 1 9.1	2.111	3.096	3.4	20.3
4 1	12 40.06	− 0 44.5	2.106	3.104	1.2	20.2
4 11	12 31.95	− 0 23.1	2.130	3.112	4.5	20.4
4 21	12 24.72	− 0 8.6	2.182	3.120	8.0	20.6
5 1	12 18.98	− 0 3.6	2.260	3.128	11.0	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
211959	2004 YT_{17}		3 31.5	7.°22	4.°7/ 4.1	18
	h m	° ′			°	m
2 21	13 3.96	−15 55.1	1.359	2.134	20.7	20.1
3 2	13 1.89	−16 23.6	1.277	2.135	17.3	19.9
3 12	12 56.76	−16 28.0	1.213	2.135	13.2	19.6
3 22	12 49.11	−16 6.9	1.169	2.137	8.7	19.4
4 1	12 40.02	−15 22.3	1.149	2.139	5.0	19.2
4 11	12 30.95	−14 20.9	1.153	2.141	6.1	19.2
4 21	12 23.28	−13 12.4	1.182	2.144	10.4	19.5
5 1	12 18.08	−12 7.1	1.232	2.148	14.8	19.7
101586	1999 BN_{11}		3 31.5	142.°14	13.°6/ 8.3	18
2 21	13 21.45	−28 25.5	1.339	2.024	25.0	20.1
3 2	13 16.81	−30 46.0	1.261	2.032	22.4	19.9
3 12	13 7.87	−32 42.1	1.197	2.040	19.4	19.7
3 22	12 55.05	−34 3.1	1.152	2.047	16.4	19.5
4 1	12 39.72	−34 39.5	1.127	2.054	14.1	19.4
4 11	12 24.03	−34 29.4	1.125	2.059	13.7	19.4
4 21	12 10.22	−33 39.5	1.145	2.065	15.2	19.5
5 1	12 0.00	−32 24.1	1.186	2.069	17.8	19.7
268363	2005 TX_{99}		3 31.5	93.°06	1.°8/30.1	18
2 21	13 11.69	− 0 10.7	1.917	2.704	15.1	20.5
3 2	13 6.58	− 0 1.6	1.845	2.722	11.8	20.3
3 12	12 59.13	+ 0 15.0	1.796	2.740	8.0	20.1
3 22	12 49.96	+ 0 35.2	1.774	2.758	4.0	19.9
4 1	12 40.00	+ 0 54.4	1.779	2.776	2.0	19.8
4 11	12 30.30	+ 1 8.0	1.814	2.793	5.4	20.1
4 21	12 21.80	+ 1 12.4	1.876	2.810	9.3	20.3
5 1	12 15.22	+ 1 5.5	1.962	2.827	12.6	20.6
415911	2001 UY_{41}		3 31.5	104.°67	1.°8/29.8	18
2 21	13 8.31	− 1 41.2	2.025	2.812	14.4	21.4
3 2	13 3.79	− 1 6.8	1.955	2.832	11.3	21.2
3 12	12 57.15	− 0 23.0	1.907	2.852	7.6	21.0
3 22	12 48.96	+ 0 25.8	1.886	2.871	3.8	20.8
4 1	12 40.05	+ 1 14.1	1.894	2.890	2.0	20.7
4 11	12 31.39	+ 1 56.0	1.931	2.908	5.3	21.0
4 21	12 23.81	+ 2 27.0	1.995	2.926	9.0	21.2
5 1	12 17.96	+ 2 44.5	2.083	2.944	12.2	21.5
433504	2013 WH_{47}		3 31.5	173.°88	1.°7/29.4	17
2 21	13 5.05	− 1 21.9	2.601	3.381	11.8	22.1
3 2	13 0.90	− 0 38.4	2.510	3.384	9.2	22.0
3 12	12 55.04	+ 0 13.4	2.444	3.387	6.2	21.8
3 22	12 47.91	+ 1 9.7	2.405	3.389	3.1	21.6
4 1	12 40.11	+ 2 5.8	2.396	3.391	2.0	21.5
4 11	12 32.38	+ 2 56.8	2.417	3.391	4.7	21.7
4 21	12 25.38	+ 3 38.3	2.467	3.392	7.8	21.9
5 1	12 19.68	+ 4 7.6	2.543	3.391	10.6	22.0
232933	2005 AM_{72}		3 31.5	138.°86	1.°5/29.9	17
2 21	13 4.45	− 2 28.3	2.216	3.003	13.3	21.2
3 2	13 0.74	− 1 52.2	2.131	3.008	10.4	21.0
3 12	12 55.09	− 1 6.2	2.069	3.014	7.1	20.8
3 22	12 47.97	− 0 14.3	2.034	3.019	3.5	20.6
4 1	12 40.11	+ 0 38.5	2.027	3.023	1.7	20.5
4 11	12 32.35	+ 1 26.5	2.049	3.028	5.0	20.7
4 21	12 25.45	+ 2 4.9	2.099	3.032	8.5	20.9
5 1	12 20.06	+ 2 30.5	2.174	3.036	11.6	21.1
15313	1993 FM_{28}		3 31.5	59.°58	1.°2/ 1.6	18
2 21	13 6.59	− 9 38.8	1.481	2.269	18.8	19.2
3 2	13 3.37	− 9 31.0	1.412	2.285	15.0	19.0
3 12	12 57.36	− 9 4.1	1.362	2.300	10.6	18.8
3 22	12 49.23	− 8 20.8	1.335	2.317	5.7	18.5
4 1	12 40.06	− 7 26.5	1.334	2.333	1.3	18.2
4 11	12 31.14	− 6 29.1	1.360	2.349	5.1	18.5
4 21	12 23.63	− 5 36.5	1.410	2.366	9.8	18.9
5 1	12 18.37	− 4 55.3	1.484	2.382	13.9	19.1
94927	2001 YT_{67}		3 31.5	148.°58	0.°2/31.4	18
2 21	13 8.73	− 6 35.0	1.700	2.484	16.9	20.5
3 2	13 4.80	− 6 13.1	1.617	2.490	13.4	20.3
3 12	12 58.25	− 5 35.7	1.555	2.496	9.3	20.1
3 22	12 49.68	− 4 46.0	1.518	2.501	4.6	19.8
4 1	12 40.03	− 3 49.7	1.507	2.506	0.3	19.5
4 11	12 30.51	− 2 54.2	1.525	2.511	5.2	19.8
4 21	12 22.19	− 2 6.2	1.569	2.515	9.8	20.1
5 1	12 15.94	− 1 31.3	1.637	2.519	13.8	20.4
143473	2003 CR_{6}		3 31.6	120.°66	2.°3/29.2	18
2 21	13 7.45	− 0 40.0	2.100	2.889	13.9	20.7
3 2	13 3.08	+ 0 7.0	2.027	2.906	10.8	20.5
3 12	12 56.65	+ 1 3.1	1.978	2.923	7.3	20.3
3 22	12 48.72	+ 2 3.4	1.955	2.939	3.7	20.1
4 1	12 40.09	+ 3 1.7	1.961	2.954	2.6	20.1
4 11	12 31.65	+ 3 52.0	1.996	2.969	5.6	20.3
4 21	12 24.24	+ 4 29.9	2.059	2.984	9.1	20.6
5 1	12 18.47	+ 4 52.5	2.146	2.997	12.2	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
499945	2011 HU_{69}		3 31.6	316.°74	5.°8/26.5	17
	h m	° ′			°	m
2 21	13 4.64	+ 7 55.6	1.696	2.518	15.3	20.8
3 2	13 1.73	+ 8 47.4	1.607	2.503	12.2	20.6
3 12	12 56.27	+ 9 43.9	1.540	2.487	8.8	20.3
3 22	12 48.76	+10 37.8	1.498	2.473	6.2	20.1
4 1	12 40.08	+11 20.6	1.482	2.458	6.4	20.1
4 11	12 31.38	+11 45.2	1.491	2.444	9.3	20.2
4 21	12 23.75	+11 47.5	1.525	2.431	13.0	20.4
5 1	12 18.10	+11 26.3	1.579	2.418	16.4	20.6
502469	2015 BD_{320}		3 31.6	218.°43	0.°7/ 1.3	17
2 21	13 5.51	− 8 37.2	2.100	2.868	14.6	22.3
3 2	13 1.86	− 8 24.0	2.002	2.864	11.7	22.1
3 12	12 56.05	− 7 56.8	1.925	2.859	8.3	21.9
3 22	12 48.55	− 7 17.6	1.874	2.854	4.4	21.6
4 1	12 40.10	− 6 30.1	1.850	2.849	0.7	21.3
4 11	12 31.63	− 5 39.9	1.856	2.843	4.2	21.6
4 21	12 24.05	− 4 52.8	1.889	2.838	8.2	21.8
5 1	12 18.09	− 4 13.9	1.947	2.832	11.8	22.0
12801	Somekawa		3 31.6	119.°80	3.°7/28.4	18
2 21	13 9.08	+ 3 1.0	1.813	2.615	15.2	18.6
3 2	13 4.75	+ 3 44.2	1.740	2.626	11.9	18.4
3 12	12 58.01	+ 4 34.5	1.690	2.637	8.2	18.2
3 22	12 49.47	+ 5 25.8	1.666	2.647	4.7	18.0
4 1	12 40.06	+ 6 11.3	1.669	2.658	4.0	18.0
4 11	12 30.86	+ 6 44.6	1.701	2.667	7.1	18.2
4 21	12 22.85	+ 7 1.9	1.758	2.677	10.8	18.4
5 1	12 16.77	+ 7 1.1	1.838	2.686	14.1	18.7
253232	2002 YZ_{21}		3 31.6	86.°62	4.°0/ 4.5	18
2 21	13 8.92	−17 57.1	1.884	2.613	17.3	21.2
3 2	13 4.58	−18 1.4	1.814	2.641	14.3	21.0
3 12	12 57.84	−17 44.6	1.763	2.668	10.9	20.8
3 22	12 49.36	−17 7.0	1.736	2.695	7.2	20.7
4 1	12 40.07	−16 11.6	1.735	2.721	4.3	20.6
4 11	12 31.06	−15 4.6	1.763	2.747	4.9	20.6
4 21	12 23.28	−13 53.6	1.818	2.773	8.0	20.9
5 1	12 17.46	−12 46.1	1.898	2.797	11.3	21.1
213198	2000 SJ_{353}		3 31.6	186.°91	0.°2/31.2	18
2 21	13 1.47	− 6 45.4	3.162	3.922	10.3	21.5
3 2	12 57.83	− 6 6.5	3.061	3.921	8.1	21.4
3 12	12 52.81	− 5 17.8	2.984	3.920	5.6	21.2
3 22	12 46.77	− 4 21.8	2.936	3.919	2.8	21.0
4 1	12 40.19	− 3 22.2	2.918	3.917	0.3	20.8
4 11	12 33.64	− 2 22.9	2.930	3.914	3.2	21.0
4 21	12 27.65	− 1 28.2	2.973	3.911	6.0	21.2
5 1	12 22.67	− 0 41.2	3.042	3.908	8.6	21.4
497385	2005 UB_{526}		3 31.6	227.°24	0.°7/ 1.3	17
2 21	13 6.19	− 8 54.7	2.210	2.973	14.1	22.4
3 2	13 2.33	− 8 39.7	2.104	2.963	11.4	22.2
3 12	12 56.36	− 8 10.8	2.020	2.952	8.1	21.9
3 22	12 48.71	− 7 29.8	1.962	2.942	4.3	21.7
4 1	12 40.10	− 6 40.3	1.932	2.930	0.8	21.4
4 11	12 31.42	− 5 47.6	1.931	2.919	4.1	21.6
4 21	12 23.54	− 4 57.4	1.958	2.906	8.0	21.8
5 1	12 17.23	− 4 15.0	2.011	2.894	11.6	22.0
85217	Bilzingsleben		3 31.6	152.°35	1.°4/ 1.8	18
2 21	13 10.54	−10 46.5	1.828	2.588	16.7	20.1
3 2	13 6.05	−10 32.2	1.743	2.598	13.5	19.9
3 12	12 59.02	−10 0.3	1.678	2.607	9.6	19.6
3 22	12 50.04	− 9 12.8	1.637	2.615	5.3	19.4
4 1	12 40.04	− 8 14.0	1.625	2.623	1.4	19.1
4 11	12 30.16	− 7 10.7	1.641	2.629	4.6	19.4
4 21	12 21.45	− 6 10.1	1.685	2.635	8.9	19.6
5 1	12 14.75	− 5 18.9	1.754	2.640	12.8	19.9
337260	2000 SJ_{195}		3 31.6	125.°84	2.°0/ 2.8	17
2 21	13 6.87	−12 5.9	2.791	3.523	12.2	21.4
3 2	13 2.23	−12 18.4	2.699	3.535	9.9	21.2
3 12	12 55.90	−12 19.7	2.630	3.547	7.2	21.1
3 22	12 48.34	−12 10.5	2.588	3.558	4.3	20.9
4 1	12 40.13	−11 52.5	2.576	3.569	2.1	20.8
4 11	12 31.99	−11 28.9	2.593	3.580	3.3	20.9
4 21	12 24.57	−11 3.1	2.641	3.590	6.1	21.1
5 1	12 18.43	−10 39.0	2.715	3.600	8.8	21.2
248641	2006 GF_{40}		3 31.6	328.°15	1.°2/ 1.5	17
2 21	13 5.27	− 7 26.1	1.682	2.470	16.8	20.0
3 2	13 2.36	− 7 44.8	1.583	2.457	13.6	19.7
3 12	12 56.82	− 7 50.4	1.505	2.444	9.7	19.5
3 22	12 49.10	− 7 43.9	1.450	2.431	5.3	19.2
4 1	12 40.08	− 7 28.2	1.421	2.419	1.2	18.9
4 11	12 30.93	− 7 8.1	1.419	2.408	4.9	19.1
4 21	12 22.80	− 6 49.2	1.442	2.398	9.6	19.3
5 1	12 16.69	− 6 36.7	1.489	2.388	13.9	19.5

123520 2000 XY_3 3 31.6 78.°48 1.°5/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.71	− 8 52.3	1.892	2.660	16.0	19.9
3 2	13 4.50	− 9 6.6	1.809	2.670	12.8	19.7
3 12	12 57.89	− 9 7.4	1.748	2.680	9.1	19.5
3 22	12 49.46	− 8 56.0	1.711	2.690	5.0	19.2
4 1	12 40.07	− 8 35.4	1.702	2.699	1.5	19.0
4 11	12 30.80	− 8 10.1	1.721	2.709	4.4	19.2
4 21	12 22.63	− 7 45.4	1.767	2.719	8.4	19.5
5 1	12 16.35	− 7 26.0	1.838	2.729	12.1	19.7

39397 6514 P–L 3 31.6 196.°61 1.°0/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.78	− 7 51.6	2.298	3.054	13.8	19.5
3 2	13 5.00	− 8 1.3	2.198	3.052	11.1	19.3
3 12	12 58.10	− 8 0.3	2.119	3.049	7.9	19.1
3 22	12 49.55	− 7 49.7	2.067	3.046	4.2	18.9
4 1	12 40.07	− 7 32.0	2.045	3.043	1.0	18.6
4 11	12 30.57	− 7 11.0	2.051	3.039	3.9	18.8
4 21	12 21.92	− 6 50.7	2.087	3.035	7.6	19.1
5 1	12 14.84	− 6 35.2	2.149	3.030	11.0	19.3

303436 2005 AH_{50} 3 31.6 49.°17 1.°6/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.41	−12 7.2	1.257	2.053	21.0	20.4
3 2	13 2.02	−11 40.9	1.199	2.075	16.9	20.2
3 12	12 56.58	−10 49.1	1.159	2.098	12.0	20.0
3 22	12 48.87	− 9 35.5	1.140	2.121	6.5	19.7
4 1	12 40.11	− 8 8.0	1.146	2.144	1.7	19.5
4 11	12 31.76	− 6 37.8	1.178	2.168	5.4	19.8
4 21	12 25.03	− 5 15.9	1.233	2.192	10.5	20.1
5 1	12 20.75	− 4 10.5	1.311	2.217	14.9	20.4

464132 2014 WP_{498} 3 31.6 161.°74 3.°7/28.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.64	+ 3 33.3	1.979	2.778	14.3	21.7
3 2	13 4.28	+ 4 20.2	1.899	2.783	11.2	21.5
3 12	12 57.65	+ 5 13.8	1.842	2.787	7.7	21.3
3 22	12 49.31	+ 6 8.2	1.811	2.791	4.5	21.1
4 1	12 40.10	+ 6 56.9	1.808	2.795	4.1	21.1
4 11	12 31.01	+ 7 33.8	1.834	2.798	7.0	21.3
4 21	12 22.98	+ 7 54.7	1.886	2.800	10.5	21.5
5 1	12 16.73	+ 7 57.8	1.962	2.802	13.6	21.7

291206 2006 AQ_{80} 3 31.6 86.°08 5.°4/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.43	−17 57.9	1.484	2.235	20.3	21.1
3 2	13 5.16	−18 30.2	1.405	2.244	17.1	20.9
3 12	12 58.85	−18 38.6	1.343	2.252	13.2	20.7
3 22	12 50.12	−18 21.2	1.302	2.261	9.0	20.5
4 1	12 40.05	−17 39.4	1.285	2.270	5.7	20.3
4 11	12 30.08	−16 39.2	1.294	2.278	6.3	20.3
4 21	12 21.53	−15 29.8	1.328	2.286	10.0	20.6
5 1	12 15.42	−14 21.2	1.385	2.295	14.0	20.8

217893 2001 RY_{121} 3 31.6 202.°20 1.°2/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.60	− 3 26.9	2.119	2.902	14.0	21.3
3 2	13 2.64	− 2 55.2	2.024	2.898	11.1	21.1
3 12	12 56.54	− 2 12.2	1.952	2.895	7.6	20.9
3 22	12 48.79	− 1 21.6	1.905	2.890	3.7	20.7
4 1	12 40.12	− 0 28.4	1.888	2.886	1.4	20.5
4 11	12 31.47	+ 0 21.2	1.899	2.880	5.0	20.7
4 21	12 23.71	+ 1 2.1	1.939	2.875	8.9	20.9
5 1	12 17.57	+ 1 30.2	2.002	2.868	12.3	21.1

500735 2012 XA_{123} 3 31.6 191.°55 0.°6/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.56	− 5 51.0	2.592	3.365	12.0	22.2
3 2	12 58.25	− 5 8.3	2.495	3.364	9.4	22.0
3 12	12 53.29	− 4 14.2	2.423	3.363	6.4	21.8
3 22	12 47.07	− 3 11.9	2.377	3.362	3.1	21.6
4 1	12 40.20	− 2 5.9	2.362	3.360	0.7	21.4
4 11	12 33.37	− 1 1.6	2.375	3.358	4.0	21.7
4 21	12 27.22	− 0 3.9	2.418	3.356	7.3	21.9
5 1	12 22.31	+ 0 43.3	2.486	3.354	10.2	22.1

356495 2011 SE_{22} 3 31.6 181.°16 2.°8/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.49	−17 44.0	3.230	3.931	11.2	22.8
3 2	12 59.47	−17 44.7	3.122	3.932	9.4	22.7
3 12	12 53.97	−17 32.5	3.038	3.933	7.2	22.5
3 22	12 47.38	−17 7.5	2.979	3.933	4.8	22.4
4 1	12 40.19	−16 31.4	2.949	3.932	3.0	22.2
4 11	12 33.01	−15 46.9	2.949	3.931	3.4	22.3
4 21	12 26.40	−14 57.9	2.979	3.929	5.5	22.4
5 1	12 20.86	−14 8.5	3.037	3.927	7.8	22.5

316764 1999 TG_{44} 3 31.6 184.°43 0.°9/ 1.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.81	− 8 44.3	1.989	2.754	15.4	22.0
3 2	13 4.57	− 8 36.5	1.895	2.754	12.4	21.8
3 12	12 57.97	− 8 14.2	1.821	2.754	8.8	21.6
3 22	12 49.54	− 7 39.3	1.774	2.754	4.7	21.3
4 1	12 40.09	− 6 55.7	1.754	2.752	0.9	21.1
4 11	12 30.66	− 6 8.8	1.763	2.751	4.4	21.3
4 21	12 22.22	− 5 24.7	1.799	2.748	8.5	21.6
5 1	12 15.59	− 4 48.7	1.861	2.745	12.3	21.8

18295 Borispetrov 3 31.6 216.°81 4.°4/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.68	+ 7 43.9	2.512	3.307	11.7	18.3
3 2	13 2.36	+ 8 41.4	2.417	3.298	9.2	18.1
3 12	12 56.17	+ 9 42.5	2.348	3.288	6.6	17.9
3 22	12 48.55	+10 41.8	2.306	3.277	4.7	17.8
4 1	12 40.15	+11 33.4	2.294	3.266	4.9	17.8
4 11	12 31.75	+12 12.1	2.310	3.254	7.1	17.9
4 21	12 24.10	+12 34.6	2.354	3.241	9.8	18.1
5 1	12 17.84	+12 39.4	2.421	3.227	12.4	18.2

496930 2001 UF_{203} 3 31.6 112.°17 0.°9/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.78	−10 14.2	2.719	3.468	12.1	22.2
3 2	12 59.79	− 9 52.9	2.636	3.486	9.6	22.0
3 12	12 54.21	− 9 19.7	2.577	3.504	6.8	21.9
3 22	12 47.48	− 8 36.7	2.544	3.521	3.7	21.7
4 1	12 40.20	− 7 47.2	2.540	3.538	0.9	21.5
4 11	12 33.05	− 6 55.5	2.567	3.555	3.2	21.7
4 21	12 26.63	− 6 6.0	2.623	3.571	6.2	21.9
5 1	12 21.46	− 5 22.8	2.706	3.587	9.0	22.1

382884 2004 NZ_{22} 3 31.6 216.°85 4.°8/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.25	−21 2.0	2.576	3.264	14.1	21.3
3 2	13 3.82	−21 27.8	2.461	3.255	12.0	21.1
3 12	12 57.33	−21 37.2	2.366	3.245	9.6	21.0
3 22	12 49.22	−21 29.0	2.296	3.234	7.0	20.8
4 1	12 40.12	−21 3.2	2.253	3.223	5.1	20.6
4 11	12 30.89	−20 22.4	2.238	3.211	5.1	20.6
4 21	12 22.38	−19 31.2	2.253	3.198	7.3	20.7
5 1	12 15.33	−18 35.3	2.294	3.185	10.0	20.9

17545 1993 RZ_3 3 31.6 317.°79 1.°7/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.08	− 8 37.2	1.321	2.124	19.8	17.9
3 2	13 3.02	− 8 54.3	1.228	2.109	16.2	17.6
3 12	12 57.77	− 8 53.4	1.153	2.095	11.7	17.3
3 22	12 49.78	− 8 35.3	1.099	2.081	6.4	17.0
4 1	12 40.08	− 8 3.3	1.070	2.068	1.7	16.6
4 11	12 30.17	− 7 24.2	1.065	2.056	5.8	16.9
4 21	12 21.54	− 6 46.5	1.084	2.044	11.4	17.1
5 1	12 15.46	− 6 17.9	1.123	2.033	16.5	17.4

69446 1996 SL_4 3 31.6 279.°15 0.°3/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.04	− 4 31.9	1.576	2.371	17.5	19.5
3 2	13 5.59	− 4 33.3	1.477	2.356	14.1	19.2
3 12	12 59.22	− 4 21.8	1.397	2.341	9.9	18.9
3 22	12 50.40	− 3 59.7	1.341	2.326	5.0	18.6
4 1	12 40.07	− 3 31.5	1.312	2.311	0.5	18.2
4 11	12 29.55	− 3 3.6	1.309	2.296	5.8	18.5
4 21	12 20.17	− 2 42.1	1.332	2.281	10.9	18.8
5 1	12 13.02	− 2 32.2	1.377	2.266	15.5	19.0

455218 2001 QL_{196} 3 31.6 199.°24 2.°5/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 10.74	− 0 8.0	1.989	2.775	14.7	22.1
3 2	13 6.07	+ 0 32.5	1.894	2.772	11.6	21.9
3 12	12 59.01	+ 1 22.9	1.823	2.767	7.9	21.7
3 22	12 50.07	+ 2 18.5	1.778	2.761	4.1	21.4
4 1	12 40.09	+ 3 13.2	1.761	2.755	2.8	21.3
4 11	12 30.12	+ 4 0.1	1.774	2.747	6.2	21.5
4 21	12 21.15	+ 4 34.1	1.814	2.738	10.1	21.7
5 1	12 14.01	+ 4 51.9	1.878	2.729	13.7	21.9

286603 2002 CJ_{313} 3 31.6 99.°70 6.°2/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.93	+ 9 8.0	1.968	2.782	13.8	20.9
3 2	13 1.28	+10 46.6	1.910	2.799	10.8	20.7
3 12	12 55.50	+12 27.8	1.876	2.817	8.0	20.6
3 22	12 48.20	+14 3.1	1.869	2.834	6.3	20.5
4 1	12 40.18	+15 23.9	1.890	2.850	6.9	20.6
4 11	12 32.41	+16 23.7	1.938	2.866	9.2	20.7
4 21	12 25.71	+16 59.2	2.011	2.882	11.9	20.9
5 1	12 20.70	+17 10.2	2.105	2.898	14.5	21.1

128312 2004 CN_{75} 3 31.6 202.°55 3.°5/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.98	+ 3 3.8	2.332	3.135	12.3	20.3
3 2	12 58.77	+ 4 12.2	2.246	3.133	9.6	20.1
3 12	12 53.74	+ 5 27.9	2.184	3.132	6.6	19.9
3 22	12 47.34	+ 6 45.4	2.150	3.130	4.0	19.7
4 1	12 40.22	+ 7 58.3	2.144	3.127	4.0	19.7
4 11	12 33.16	+ 9 0.2	2.167	3.125	6.5	19.8
4 21	12 26.86	+ 9 46.7	2.217	3.123	9.5	20.0
5 1	12 21.95	+10 15.2	2.291	3.120	12.3	20.2

180557 2004 ET_{34} 3 31.6 13.°13 3.°6/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.37	− 0 15.7	1.319	2.151	18.3	19.9
3 2	12 59.63	+ 0 40.1	1.251	2.154	14.3	19.7
3 12	12 55.02	+ 1 50.3	1.202	2.157	9.7	19.4
3 22	12 48.18	+ 3 7.2	1.176	2.162	5.2	19.2
4 1	12 40.19	+ 4 20.8	1.174	2.167	4.1	19.1
4 11	12 32.38	+ 5 20.7	1.198	2.173	8.1	19.3
4 21	12 25.95	+ 6 0.0	1.244	2.180	12.7	19.6
5 1	12 21.80	+ 6 15.0	1.311	2.188	16.8	19.9

372537 2009 TN_6 3 31.6 197.°98 0.°5/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.87	− 8 16.7	2.402	3.160	13.2	23.0
3 2	13 2.63	− 7 59.0	2.300	3.157	10.6	22.8
3 12	12 56.43	− 7 28.9	2.220	3.152	7.5	22.6
3 22	12 48.72	− 6 48.3	2.167	3.148	3.9	22.3
4 1	12 40.17	− 6 0.8	2.143	3.142	0.5	22.0
4 11	12 31.61	− 5 11.3	2.150	3.136	3.8	22.3
4 21	12 23.83	− 4 24.8	2.184	3.130	7.5	22.5
5 1	12 17.51	− 3 45.9	2.246	3.122	10.8	22.7

127776 2003 FP_{53} 3 31.6 337.°64 7.°7/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.70	+13 22.2	1.634	2.453	15.9	19.6
3 2	13 5.72	+14 10.6	1.560	2.448	12.9	19.4
3 12	12 58.97	+14 57.4	1.507	2.444	9.9	19.2
3 22	12 50.09	+15 34.0	1.479	2.440	7.9	19.0
4 1	12 40.11	+15 52.3	1.475	2.437	8.2	19.1
4 11	12 30.29	+15 46.5	1.498	2.434	10.7	19.2
4 21	12 21.80	+15 15.2	1.543	2.431	14.0	19.4
5 1	12 15.51	+14 19.9	1.610	2.429	17.1	19.6

303916 2005 UH_{122} 3 31.6 253.°87 0.°8/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.63	− 9 14.9	1.617	2.397	17.7	21.9
3 2	13 4.48	− 8 57.3	1.511	2.380	14.4	21.6
3 12	12 58.46	− 8 20.1	1.425	2.363	10.3	21.3
3 22	12 50.04	− 7 25.0	1.363	2.344	5.5	21.0
4 1	12 40.10	− 6 16.7	1.326	2.325	0.8	20.6
4 11	12 29.92	− 5 3.2	1.317	2.306	5.4	20.9
4 21	12 20.80	− 3 53.7	1.334	2.286	10.6	21.1
5 1	12 13.84	− 2 56.4	1.374	2.265	15.3	21.3

466788 2015 BW_{17} 3 31.6 71.°89 5.°2/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.75	+ 4 49.7	1.846	2.661	14.5	20.5
3 2	13 0.40	+ 6 34.7	1.793	2.686	11.2	20.3
3 12	12 54.91	+ 8 26.0	1.764	2.711	7.9	20.2
3 22	12 47.90	+10 14.5	1.762	2.736	5.4	20.1
4 1	12 40.21	+11 50.9	1.788	2.761	5.9	20.1
4 11	12 32.83	+13 7.5	1.841	2.786	8.5	20.3
4 21	12 26.56	+14 0.1	1.920	2.810	11.5	20.6
5 1	12 22.02	+14 27.8	2.021	2.834	14.3	20.8

411232 2010 PX_{61} 3 31.6 177.°43 2.°6/ 2.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.78	−12 34.5	1.948	2.697	16.2	21.6
3 2	13 5.46	−12 47.8	1.853	2.699	13.3	21.4
3 12	12 58.67	−12 45.0	1.779	2.700	9.8	21.1
3 22	12 49.94	−12 26.5	1.729	2.701	5.9	20.9
4 1	12 40.12	−11 54.4	1.707	2.701	2.7	20.7
4 11	12 30.29	−11 13.6	1.713	2.701	4.5	20.8
4 21	12 21.49	−10 30.1	1.747	2.700	8.4	21.0
5 1	12 14.59	− 9 50.1	1.806	2.699	12.1	21.3

240321 2003 JC_{10} 3 31.6 265.°97 5.°0/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.49	+ 4 38.0	1.539	2.356	16.8	20.2
3 2	13 5.08	+ 5 27.3	1.451	2.345	13.3	19.9
3 12	12 58.78	+ 6 25.1	1.384	2.333	9.4	19.7
3 22	12 50.13	+ 7 24.0	1.341	2.321	5.8	19.4
4 1	12 40.10	+ 8 15.1	1.324	2.309	5.5	19.4
4 11	12 30.04	+ 8 50.1	1.333	2.297	9.0	19.5
4 21	12 21.21	+ 9 3.4	1.366	2.285	13.3	19.7
5 1	12 14.64	+ 8 53.0	1.421	2.272	17.2	20.0

320468 2007 VV_{282} 3 31.6 105.°83 2.°6/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.97	−14 21.8	1.689	2.449	17.9	21.2
3 2	13 2.70	−14 9.5	1.607	2.459	14.6	21.0
3 12	12 56.85	−13 35.3	1.545	2.469	10.7	20.8
3 22	12 49.02	−12 40.6	1.506	2.479	6.4	20.6
4 1	12 40.16	−11 29.9	1.493	2.488	2.8	20.3
4 11	12 31.43	−10 10.7	1.508	2.498	4.7	20.5
4 21	12 23.92	− 8 51.8	1.550	2.507	8.9	20.7
5 1	12 18.44	− 7 41.4	1.615	2.515	12.9	21.0

3368 Duncombe 3 31.6 199.°25 1.°1/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.41	− 8 32.4	2.934	3.680	11.3	16.9
3 2	13 1.86	− 8 44.5	2.830	3.678	9.1	16.7
3 12	12 55.69	− 8 48.0	2.750	3.676	6.5	16.5
3 22	12 48.28	− 8 43.7	2.697	3.674	3.6	16.3
4 1	12 40.20	− 8 33.5	2.674	3.671	1.1	16.1
4 11	12 32.10	− 8 20.0	2.681	3.669	3.1	16.3
4 21	12 24.63	− 8 6.3	2.718	3.666	6.1	16.5
5 1	12 18.34	− 7 55.2	2.783	3.663	8.8	16.6

305838 2009 DM_{138} 3 31.6 280.°78 0.°0/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.46	− 6 40.9	2.334	3.109	13.1	21.5
3 2	12 59.29	− 6 19.3	2.226	3.094	10.5	21.3
3 12	12 54.22	− 5 45.5	2.141	3.080	7.3	21.0
3 22	12 47.66	− 5 1.9	2.082	3.065	3.7	20.8
4 1	12 40.23	− 4 12.4	2.051	3.050	0.2	20.4
4 11	12 32.73	− 3 22.2	2.049	3.036	4.1	20.7
4 21	12 25.94	− 2 36.4	2.076	3.021	7.8	20.9
5 1	12 20.54	− 1 59.7	2.127	3.006	11.2	21.1

221113 2005 SW_{172} 3 31.6 342.°08 2.°9/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.64	−11 11.5	1.419	2.211	19.3	19.7
3 2	13 1.58	−11 38.8	1.330	2.201	15.8	19.4
3 12	12 56.57	−11 47.7	1.259	2.193	11.7	19.1
3 22	12 49.10	−11 38.0	1.209	2.186	7.0	18.8
4 1	12 40.16	−11 12.0	1.184	2.179	3.1	18.6
4 11	12 31.12	−10 35.5	1.183	2.174	5.5	18.7
4 21	12 23.32	− 9 56.1	1.207	2.169	10.3	18.9
5 1	12 17.86	− 9 21.7	1.253	2.165	14.9	19.2

419774 2010 VT_{147} 3 31.6 167.°73 1.°2/30.3 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.28	− 3 52.4	2.202	2.979	13.7	22.7
3 2	13 3.02	− 3 14.1	2.113	2.984	10.8	22.5
3 12	12 56.71	− 2 24.4	2.047	2.989	7.3	22.3
3 22	12 48.85	− 1 27.2	2.008	2.992	3.6	22.0
4 1	12 40.18	− 0 27.8	1.998	2.996	1.4	21.9
4 11	12 31.60	+ 0 27.9	2.018	2.998	4.8	22.1
4 21	12 23.91	+ 1 14.6	2.065	2.999	8.5	22.3
5 1	12 17.81	+ 1 48.5	2.138	3.000	11.8	22.6

226882 2004 TY_{122} 3 31.6 118.°10 1.°5/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.66	− 3 16.6	2.031	2.820	14.3	21.0
3 2	13 1.11	− 2 36.4	1.949	2.828	11.2	20.8
3 12	12 55.46	− 1 44.7	1.890	2.835	7.6	20.6
3 22	12 48.24	− 0 45.7	1.857	2.842	3.7	20.4
4 1	12 40.22	+ 0 14.7	1.852	2.849	1.7	20.2
4 11	12 32.31	+ 1 10.1	1.876	2.856	5.2	20.5
4 21	12 25.36	+ 1 55.1	1.927	2.862	9.0	20.7
5 1	12 20.06	+ 2 25.8	2.002	2.869	12.3	20.9

500923 2013 PP_{30} 3 31.6 143.°33 0.°1/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.31	− 7 52.2	2.147	2.917	14.2	22.7
3 2	13 1.53	− 7 22.8	2.060	2.925	11.3	22.5
3 12	12 55.72	− 6 39.5	1.995	2.932	7.9	22.3
3 22	12 48.36	− 5 45.1	1.956	2.939	4.0	22.1
4 1	12 40.22	− 4 44.5	1.946	2.945	0.2	21.7
4 11	12 32.17	− 3 43.6	1.965	2.951	4.2	22.1
4 21	12 25.03	− 2 48.4	2.011	2.957	8.0	22.3
5 1	12 19.48	− 2 3.6	2.084	2.962	11.4	22.6

78522 2002 RM_{96} 3 31.6 156.°70 0.°2/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.20	− 7 35.3	2.414	3.184	12.8	19.5
3 2	12 58.88	− 6 50.8	2.322	3.188	10.2	19.3
3 12	12 53.78	− 5 52.9	2.254	3.192	7.0	19.1
3 22	12 47.37	− 4 45.1	2.212	3.195	3.5	18.9
4 1	12 40.26	− 3 32.0	2.199	3.198	0.3	18.6
4 11	12 33.22	− 2 19.7	2.216	3.201	4.0	18.9
4 21	12 26.95	− 1 13.8	2.262	3.203	7.5	19.1
5 1	12 22.02	− 0 19.0	2.333	3.206	10.6	19.3

309307 2007 RG_{269} 3 31.6 276.°79 0.°9/ 1.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.95	−10 8.9	1.552	2.340	18.1	21.3
3 2	13 1.59	− 9 43.9	1.453	2.326	14.7	21.1
3 12	12 56.46	− 8 57.1	1.373	2.312	10.5	20.8
3 22	12 49.02	− 7 50.6	1.316	2.298	5.6	20.5
4 1	12 40.18	− 6 29.8	1.284	2.283	0.9	20.1
4 11	12 31.20	− 5 3.7	1.280	2.269	5.4	20.4
4 21	12 23.32	− 3 42.3	1.301	2.255	10.6	20.6
5 1	12 17.59	− 2 34.7	1.344	2.240	15.2	20.8

36089 1999 RN_{92} 3 31.6 247.°33 0.°6/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.29	− 4 46.1	2.707	3.480	11.5	19.8
3 2	12 58.83	− 4 17.7	2.600	3.469	9.1	19.6
3 12	12 53.72	− 3 39.5	2.517	3.457	6.3	19.4
3 22	12 47.35	− 2 54.2	2.461	3.445	3.1	19.2
4 1	12 40.27	− 2 5.6	2.434	3.433	0.7	18.9
4 11	12 33.16	− 1 18.2	2.437	3.420	3.9	19.2
4 21	12 26.67	− 0 36.2	2.469	3.407	7.1	19.3
5 1	12 21.37	− 0 3.2	2.526	3.394	10.0	19.5

145076 2005 GY_{36} 3 31.6 310.°24 1.°9/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.57	− 2 57.5	1.456	2.271	17.7	20.2
3 2	13 1.43	− 2 28.7	1.361	2.254	14.1	19.9
3 12	12 56.43	− 1 44.4	1.287	2.238	9.7	19.6
3 22	12 49.04	− 0 48.8	1.235	2.222	4.8	19.3
4 1	12 40.19	+ 0 10.7	1.209	2.206	2.1	19.1
4 11	12 31.21	+ 1 5.2	1.208	2.191	6.8	19.3
4 21	12 23.37	+ 1 46.6	1.231	2.176	12.0	19.6
5 1	12 17.77	+ 2 9.2	1.275	2.162	16.6	19.8

61824 2000 QU_{193} 3 31.6 101.°29 2.°3/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.18	− 0 40.5	2.082	2.872	14.0	19.3
3 2	13 2.87	+ 0 5.6	2.014	2.894	10.9	19.1
3 12	12 56.52	+ 1 0.4	1.970	2.915	7.3	18.9
3 22	12 48.71	+ 1 59.1	1.952	2.936	3.7	18.7
4 1	12 40.23	+ 2 55.7	1.962	2.956	2.5	18.7
4 11	12 31.98	+ 3 44.2	2.002	2.976	5.6	18.9
4 21	12 24.77	+ 4 20.3	2.069	2.995	9.0	19.2
5 1	12 19.22	+ 4 41.3	2.161	3.014	12.1	19.4

366454 2002 AQ_{113} 3 31.6 149.°70 1.°9/ 2.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.31	−12 58.2	2.507	3.241	13.3	22.1
3 2	13 2.81	−12 49.3	2.415	3.252	10.9	22.0
3 12	12 56.44	−12 26.2	2.345	3.263	7.9	21.8
3 22	12 48.69	−11 50.2	2.301	3.272	4.7	21.6
4 1	12 40.23	−11 4.0	2.287	3.281	2.0	21.4
4 11	12 31.85	−10 12.1	2.302	3.290	3.5	21.5
4 21	12 24.28	− 9 19.5	2.347	3.297	6.7	21.7
5 1	12 18.15	− 8 31.3	2.418	3.304	9.8	21.9

187792 1999 AV_3 3 31.6 45.°73 4.°1/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.43	+ 2 27.3	1.416	2.239	17.7	19.2
3 2	13 3.22	+ 3 14.1	1.359	2.257	13.8	19.0
3 12	12 57.23	+ 4 9.6	1.323	2.275	9.4	18.8
3 22	12 49.18	+ 5 6.4	1.310	2.293	5.3	18.6
4 1	12 40.21	+ 5 55.8	1.322	2.312	4.5	18.6
4 11	12 31.60	+ 6 30.3	1.361	2.332	8.0	18.9
4 21	12 24.47	+ 6 45.5	1.423	2.351	12.1	19.2
5 1	12 19.59	+ 6 39.9	1.507	2.371	15.7	19.4

169394 2001 VQ_{93} 3 31.6 110.°20 7.°1/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.55	+19 48.7	2.698	3.495	10.9	20.2
3 2	13 1.19	+21 6.7	2.649	3.514	9.1	20.1
3 12	12 55.16	+22 19.1	2.625	3.532	7.6	20.0
3 22	12 47.98	+23 19.7	2.627	3.550	7.1	20.0
4 1	12 40.27	+24 3.2	2.657	3.567	7.7	20.0
4 11	12 32.78	+24 26.3	2.714	3.584	9.1	20.2
4 21	12 26.13	+24 28.4	2.794	3.601	10.8	20.3
5 1	12 20.84	+24 10.4	2.896	3.617	12.5	20.4

352371 2007 VL_{254} 3 31.6 177.°35 5.°2/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.95	+11 24.3	2.645	3.447	11.0	21.4
3 2	13 0.06	+12 33.0	2.568	3.449	8.7	21.2
3 12	12 54.50	+13 42.4	2.516	3.450	6.6	21.1
3 22	12 47.71	+14 46.8	2.491	3.451	5.3	21.0
4 1	12 40.29	+15 40.5	2.496	3.451	5.7	21.0
4 11	12 32.95	+16 18.8	2.528	3.451	7.6	21.1
4 21	12 26.35	+16 39.4	2.587	3.450	9.9	21.3
5 1	12 21.03	+16 41.5	2.669	3.450	12.0	21.4

268573 2006 BY_{97} 3 31.6 45.°35 2.°8/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.44	+ 1 46.7	1.680	2.486	16.1	20.1
3 2	13 4.48	+ 2 3.3	1.609	2.497	12.6	19.9
3 12	12 57.97	+ 2 27.0	1.560	2.508	8.6	19.7
3 22	12 49.55	+ 2 52.9	1.535	2.519	4.5	19.4
4 1	12 40.21	+ 3 15.3	1.537	2.531	3.1	19.4
4 11	12 31.09	+ 3 28.5	1.567	2.543	6.5	19.6
4 21	12 23.24	+ 3 29.0	1.622	2.555	10.5	19.9
5 1	12 17.43	+ 3 14.9	1.700	2.567	14.1	20.1

350774 2002 BO_{32} 3 31.6 281.°26 6.°1/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.17	−24 49.2	2.482	3.158	14.8	20.4
3 2	13 0.75	−25 26.3	2.374	3.151	12.9	20.2
3 12	12 55.32	−25 45.2	2.285	3.145	10.7	20.1
3 22	12 48.26	−25 43.9	2.218	3.138	8.3	19.9
4 1	12 40.26	−25 22.2	2.178	3.132	6.5	19.8
4 11	12 32.16	−24 42.0	2.164	3.125	6.2	19.7
4 21	12 24.80	−23 48.1	2.177	3.119	7.7	19.8
5 1	12 18.92	−22 46.6	2.216	3.112	10.1	19.9

176171 2001 KD_{43} 3 31.6 284.°54 0.°0/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.70	− 8 38.1	1.703	2.492	16.7	20.1
3 2	13 0.37	− 7 59.9	1.596	2.472	13.4	19.9
3 12	12 55.50	− 7 1.3	1.510	2.451	9.5	19.6
3 22	12 48.53	− 5 45.0	1.447	2.431	4.8	19.2
4 1	12 40.25	− 4 17.0	1.411	2.410	0.2	18.8
4 11	12 31.79	− 2 46.2	1.403	2.390	5.4	19.2
4 21	12 24.27	− 1 22.1	1.420	2.369	10.3	19.4
5 1	12 18.68	− 0 13.0	1.461	2.349	14.8	19.6

150832 2001 SM_{30} 3 31.6 193.°41 0.°6/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.47	− 5 30.7	2.312	3.083	13.3	22.0
3 2	13 2.37	− 4 59.4	2.214	3.081	10.6	21.8
3 12	12 56.29	− 4 16.3	2.139	3.078	7.3	21.6
3 22	12 48.69	− 3 24.3	2.091	3.075	3.6	21.4
4 1	12 40.25	− 2 28.2	2.072	3.071	0.7	21.1
4 11	12 31.83	− 1 33.3	2.083	3.066	4.4	21.4
4 21	12 24.22	− 0 45.0	2.122	3.061	8.1	21.6
5 1	12 18.10	− 0 7.5	2.187	3.055	11.4	21.8

498809 2008 UW_{311} 3 31.6 186.°81 1.°8/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.21	−11 8.7	2.234	2.987	14.3	22.1
3 2	13 2.30	−11 11.0	2.137	2.986	11.6	21.9
3 12	12 56.31	−10 59.5	2.061	2.986	8.4	21.7
3 22	12 48.72	−10 35.1	2.011	2.985	4.8	21.5
4 1	12 40.25	−10 0.6	1.988	2.984	1.8	21.3
4 11	12 31.78	− 9 20.4	1.995	2.983	3.9	21.4
4 21	12 24.15	− 8 39.6	2.030	2.982	7.5	21.7
5 1	12 18.09	− 8 3.3	2.090	2.980	10.9	21.9

212643 2006 UW_{35} 3 31.6 314.°64 0.°3/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.12	− 7 13.3	2.232	3.006	13.6	20.8
3 2	12 59.86	− 7 1.9	2.135	3.001	10.9	20.6
3 12	12 54.63	− 6 38.5	2.059	2.997	7.6	20.4
3 22	12 47.88	− 6 5.2	2.010	2.992	3.9	20.2
4 1	12 40.29	− 5 25.7	1.988	2.988	0.3	19.8
4 11	12 32.70	− 4 44.9	1.996	2.983	4.0	20.1
4 21	12 25.90	− 4 7.6	2.031	2.979	7.7	20.4
5 1	12 20.58	− 3 38.2	2.091	2.975	11.1	20.6

102736 1999 VE_{105} 3 31.6 190.°19 1.°9/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.92	− 0 45.8	2.284	3.071	13.0	20.6
3 2	13 1.92	− 0 14.4	2.193	3.070	10.2	20.4
3 12	12 55.96	+ 0 25.3	2.125	3.069	6.9	20.2
3 22	12 48.52	+ 1 9.6	2.083	3.068	3.5	20.0
4 1	12 40.27	+ 1 53.6	2.071	3.066	2.1	19.9
4 11	12 32.08	+ 2 31.9	2.088	3.064	5.1	20.1
4 21	12 24.71	+ 3 0.5	2.132	3.061	8.6	20.3
5 1	12 18.83	+ 3 16.4	2.202	3.059	11.7	20.5

429214 2009 WX_{247} 3 31.6 112.°44 1.°8/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.85	− 2 0.4	2.070	2.859	14.1	22.3
3 2	13 1.95	− 1 19.3	1.993	2.872	11.0	22.1
3 12	12 55.99	− 0 28.0	1.940	2.885	7.4	21.9
3 22	12 48.51	+ 0 28.9	1.912	2.897	3.7	21.7
4 1	12 40.28	+ 1 25.5	1.913	2.909	2.0	21.6
4 11	12 32.21	+ 2 15.9	1.944	2.921	5.3	21.8
4 21	12 25.12	+ 2 55.2	2.001	2.932	8.9	22.0
5 1	12 19.67	+ 3 20.1	2.083	2.943	12.1	22.3

258208 2001 ST_{335} 3 31.6 327.°52 1.°3/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.59	− 9 25.7	1.679	2.460	17.2	20.4
3 2	13 2.54	− 9 25.5	1.589	2.457	13.9	20.2
3 12	12 56.88	− 9 8.4	1.519	2.455	9.9	19.9
3 22	12 49.15	− 8 36.2	1.472	2.452	5.4	19.6
4 1	12 40.24	− 7 52.8	1.452	2.450	1.4	19.3
4 11	12 31.33	− 7 4.5	1.458	2.448	4.8	19.6
4 21	12 23.53	− 6 18.5	1.490	2.445	9.4	19.8
5 1	12 17.75	− 5 41.0	1.546	2.444	13.6	20.1

498200 2007 TM_{362} 3 31.6 110.°12 3.°5/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.75	+ 5 8.5	2.359	3.156	12.3	21.4
3 2	13 1.60	+ 5 46.9	2.282	3.165	9.6	21.2
3 12	12 55.62	+ 6 29.0	2.230	3.174	6.7	21.1
3 22	12 48.28	+ 7 10.3	2.205	3.183	4.1	20.9
4 1	12 40.29	+ 7 45.5	2.208	3.192	3.8	20.9
4 11	12 32.44	+ 8 10.2	2.240	3.200	6.2	21.1
4 21	12 25.45	+ 8 21.5	2.300	3.208	9.1	21.2
5 1	12 19.92	+ 8 18.1	2.383	3.216	11.7	21.4

110470 2001 TJ_{54} 3 31.6 357.°10 3.°6/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.09	−15 58.5	1.520	2.291	19.1	19.2
3 2	12 59.31	−15 56.0	1.432	2.289	15.8	18.9
3 12	12 54.83	−15 28.6	1.363	2.287	11.9	18.7
3 22	12 48.17	−14 36.4	1.316	2.286	7.5	18.4
4 1	12 40.30	−13 23.1	1.293	2.286	3.9	18.2
4 11	12 32.44	−11 56.9	1.296	2.286	5.2	18.3
4 21	12 25.77	−10 27.8	1.324	2.287	9.5	18.5
5 1	12 21.24	− 9 5.9	1.375	2.288	13.8	18.8

43124 1999 XJ_{53} 3 31.6 205.°81 0.°9/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.64	− 4 16.2	2.215	2.997	13.5	19.9
3 2	13 1.03	− 3 46.3	2.121	2.994	10.7	19.7
3 12	12 55.42	− 3 5.1	2.049	2.991	7.3	19.5
3 22	12 48.28	− 2 16.0	2.004	2.988	3.6	19.2
4 1	12 40.30	− 1 23.8	1.987	2.985	1.1	19.0
4 11	12 32.35	− 0 34.0	1.999	2.982	4.6	19.3
4 21	12 25.22	+ 0 8.1	2.039	2.978	8.3	19.5
5 1	12 19.60	+ 0 38.5	2.104	2.974	11.7	19.7

229568 2006 AA_{41} 3 31.6 332.°91 1.°3/30.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.47	− 3 21.3	1.786	2.585	15.6	20.5
3 2	13 1.42	− 2 58.0	1.698	2.581	12.3	20.2
3 12	12 55.97	− 2 22.4	1.631	2.577	8.5	20.0
3 22	12 48.64	− 1 38.3	1.588	2.574	4.2	19.7
4 1	12 40.28	− 0 51.3	1.573	2.571	1.4	19.5
4 11	12 31.95	− 0 8.2	1.585	2.568	5.5	19.8
4 21	12 24.65	+ 0 25.4	1.623	2.565	9.8	20.0
5 1	12 19.19	+ 0 45.2	1.684	2.563	13.6	20.3

194251 2001 TS_{204} 3 31.6 75.°85 5.°5/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.27	+ 4 46.9	1.364	2.188	18.2	20.1
3 2	13 5.60	+ 5 52.0	1.307	2.205	14.2	19.9
3 12	12 58.95	+ 7 4.5	1.271	2.221	9.9	19.7
3 22	12 50.10	+ 8 15.3	1.258	2.238	6.3	19.5
4 1	12 40.23	+ 9 14.2	1.271	2.254	6.1	19.6
4 11	12 30.75	+ 9 52.9	1.309	2.270	9.4	19.8
4 21	12 22.87	+10 7.3	1.371	2.287	13.4	20.1
5 1	12 17.42	+ 9 57.0	1.453	2.303	17.0	20.3

181572 2006 VF_{27} 3 31.6 148.°62 0.°6/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.27	− 4 31.9	2.862	3.631	11.1	21.6
3 2	12 59.38	− 4 5.3	2.771	3.638	8.7	21.4
3 12	12 53.97	− 3 30.2	2.706	3.645	5.9	21.2
3 22	12 47.45	− 2 49.2	2.667	3.651	2.9	21.0
4 1	12 40.35	− 2 5.8	2.659	3.657	0.7	20.9
4 11	12 33.33	− 1 24.2	2.681	3.663	3.6	21.1
4 21	12 26.96	− 0 48.0	2.731	3.669	6.6	21.3
5 1	12 21.74	− 0 20.1	2.809	3.674	9.2	21.5

340636 2006 QC_{148} 3 31.6 135.°35 0.°6/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.11	− 7 36.6	2.555	3.313	12.5	20.9
3 2	13 1.83	− 7 35.7	2.463	3.319	10.0	20.7
3 12	12 55.78	− 7 24.7	2.394	3.326	7.0	20.5
3 22	12 48.39	− 7 5.2	2.352	3.332	3.7	20.3
4 1	12 40.31	− 6 40.0	2.340	3.338	0.7	20.1
4 11	12 32.29	− 6 12.9	2.357	3.344	3.5	20.3
4 21	12 25.03	− 5 47.6	2.403	3.350	6.8	20.5
5 1	12 19.12	− 5 27.8	2.475	3.355	9.8	20.7

48450 1991 NA 3 31.6 270.°91 7.°2/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.60	−24 24.8	2.022	2.709	17.5	20.1
3 2	13 5.13	−25 4.0	1.892	2.679	15.4	19.9
3 12	12 58.95	−25 22.3	1.780	2.649	12.7	19.6
3 22	12 50.39	−25 15.5	1.689	2.617	9.9	19.4
4 1	12 40.21	−24 41.3	1.624	2.585	7.7	19.2
4 11	12 29.54	−23 41.4	1.584	2.551	7.5	19.1
4 21	12 19.62	−22 21.4	1.572	2.518	9.8	19.1
5 1	12 11.58	−20 50.4	1.584	2.483	13.2	19.2

329966 2005 RL_{45} 3 31.6 234.°90 3.°8/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 10.50	−15 4.9	2.164	2.892	15.4	21.2
3 2	13 6.01	−15 37.8	2.052	2.881	12.8	21.0
3 12	12 59.12	−15 56.1	1.962	2.869	9.8	20.8
3 22	12 50.28	−15 58.8	1.896	2.857	6.5	20.6
4 1	12 40.23	−15 46.3	1.857	2.844	3.9	20.4
4 11	12 29.99	−15 21.5	1.848	2.831	4.9	20.4
4 21	12 20.58	−14 49.2	1.866	2.817	8.1	20.6
5 1	12 12.90	−14 15.1	1.911	2.803	11.6	20.8

466176 2012 JG_{57} 3 31.6 296.°28 6.°1/26.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.80	+ 7 26.4	1.698	2.519	15.3	21.2
3 2	13 2.01	+ 8 32.9	1.602	2.497	12.2	20.9
3 12	12 56.62	+ 9 46.4	1.528	2.475	8.9	20.7
3 22	12 49.09	+10 59.1	1.479	2.453	6.4	20.5
4 1	12 40.28	+12 1.7	1.457	2.431	6.7	20.5
4 11	12 31.34	+12 45.4	1.460	2.409	9.8	20.6
4 21	12 23.41	+13 5.1	1.486	2.388	13.6	20.7
5 1	12 17.45	+12 58.6	1.534	2.366	17.2	20.9

369375 2009 UH_{132} 3 31.6 148.°48 3.°7/ 5.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.71	−19 25.6	2.377	3.086	14.6	21.8
3 2	13 1.78	−19 18.6	2.283	3.095	12.3	21.7
3 12	12 55.88	−18 52.6	2.209	3.104	9.4	21.5
3 22	12 48.48	−18 7.9	2.159	3.112	6.4	21.3
4 1	12 40.31	−17 6.7	2.137	3.120	4.0	21.2
4 11	12 32.22	−15 54.0	2.144	3.127	4.3	21.2
4 21	12 24.99	−14 36.0	2.180	3.133	7.0	21.4
5 1	12 19.28	−13 19.5	2.243	3.139	9.9	21.6

169581 2002 GW_{20} 3 31.6 324.°93 2.°7/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.47	+ 0 19.9	1.430	2.245	18.0	19.8
3 2	13 5.25	+ 0 34.3	1.347	2.239	14.3	19.5
3 12	12 59.01	+ 0 58.8	1.283	2.233	9.8	19.2
3 22	12 50.32	+ 1 28.6	1.242	2.228	5.0	18.9
4 1	12 40.23	+ 1 56.9	1.227	2.223	2.9	18.8
4 11	12 30.16	+ 2 16.6	1.238	2.218	7.2	19.0
4 21	12 21.44	+ 2 22.2	1.273	2.214	12.1	19.3
5 1	12 15.11	+ 2 10.8	1.329	2.210	16.4	19.5

431993 2008 UV_{265} 3 31.6 230.°70 2.°4/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.91	−13 52.4	2.135	2.884	15.0	21.7
3 2	13 0.66	−13 47.1	2.036	2.881	12.3	21.5
3 12	12 55.29	−13 24.7	1.957	2.877	9.1	21.3
3 22	12 48.27	−12 46.1	1.903	2.874	5.5	21.0
4 1	12 40.32	−11 54.2	1.876	2.870	2.6	20.8
4 11	12 32.37	−10 54.1	1.878	2.867	4.1	20.9
4 21	12 25.27	− 9 52.2	1.908	2.863	7.7	21.1
5 1	12 19.76	− 8 54.8	1.962	2.859	11.1	21.3

57678 2001 UL_{44} 3 31.6 55.°33 1.°8/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.83	− 0 46.7	2.072	2.866	13.9	19.7
3 2	13 1.14	− 0 20.7	1.999	2.880	10.8	19.5
3 12	12 55.43	+ 0 13.4	1.948	2.895	7.3	19.3
3 22	12 48.24	+ 0 51.7	1.924	2.909	3.7	19.1
4 1	12 40.33	+ 1 29.1	1.928	2.924	2.1	19.0
4 11	12 32.61	+ 2 0.4	1.960	2.939	5.2	19.2
4 21	12 25.85	+ 2 21.7	2.020	2.953	8.7	19.5
5 1	12 20.70	+ 2 30.3	2.103	2.968	11.9	19.7

371138 2005 WV_{131} 3 31.6 130.°87 1.°0/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.82	− 3 54.0	2.137	2.917	14.0	22.5
3 2	13 2.69	− 3 23.2	2.055	2.928	11.0	22.3
3 12	12 56.51	− 2 41.5	1.997	2.939	7.5	22.1
3 22	12 48.79	− 1 52.6	1.964	2.949	3.6	21.9
4 1	12 40.32	− 1 1.6	1.961	2.959	1.2	21.7
4 11	12 31.97	− 0 14.1	1.987	2.968	4.7	22.0
4 21	12 24.58	+ 0 25.0	2.040	2.977	8.4	22.2
5 1	12 18.80	+ 0 51.9	2.118	2.986	11.7	22.4

165487 2001 BS_{20} 3 31.6 71.°66 4.°4/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 9.42	+ 2 56.5	1.466	2.282	17.6	20.0
3 2	13 5.44	+ 3 50.9	1.411	2.304	13.7	19.8
3 12	12 58.69	+ 4 53.3	1.376	2.326	9.4	19.6
3 22	12 49.92	+ 5 56.1	1.366	2.348	5.4	19.5
4 1	12 40.27	+ 6 50.5	1.382	2.370	4.8	19.5
4 11	12 31.04	+ 7 28.8	1.424	2.392	8.1	19.7
4 21	12 23.32	+ 7 46.9	1.491	2.413	12.1	20.0
5 1	12 17.88	+ 7 43.7	1.580	2.435	15.6	20.3

169013 2001 DP_{53} 3 31.6 34.°15 2.°4/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.08	−10 8.8	1.262	2.061	20.8	20.5
3 2	13 4.36	−10 33.4	1.196	2.073	16.9	20.3
3 12	12 58.43	−10 38.3	1.148	2.086	12.2	20.0
3 22	12 49.99	−10 24.2	1.120	2.099	6.9	19.8
4 1	12 40.26	− 9 55.0	1.117	2.114	2.6	19.5
4 11	12 30.79	− 9 17.9	1.138	2.129	5.6	19.8
4 21	12 22.92	− 8 41.0	1.184	2.145	10.6	20.1
5 1	12 17.66	− 8 11.8	1.251	2.161	15.1	20.4

201209 2002 PY_{171} 3 31.6 268.°30 1.°0/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.53	− 3 47.1	2.080	2.867	14.1	21.0
3 2	13 1.08	− 3 23.5	1.989	2.866	11.1	20.8
3 12	12 55.53	− 2 48.8	1.920	2.864	7.6	20.5
3 22	12 48.37	− 2 6.5	1.877	2.862	3.7	20.3
4 1	12 40.34	− 1 21.4	1.862	2.860	1.1	20.1
4 11	12 32.34	− 0 39.0	1.875	2.858	4.8	20.4
4 21	12 25.22	− 0 4.4	1.916	2.856	8.7	20.6
5 1	12 19.71	+ 0 18.4	1.981	2.855	12.1	20.8

228353 2000 SL_{306} 3 31.6 245.°57 2.°9/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.48	−16 37.8	2.130	2.867	15.3	21.0
3 2	13 0.43	−16 20.3	2.020	2.855	12.8	20.8
3 12	12 55.22	−15 42.4	1.931	2.843	9.6	20.5
3 22	12 48.28	−14 44.6	1.865	2.831	6.1	20.3
4 1	12 40.34	−13 29.6	1.827	2.819	3.2	20.1
4 11	12 32.32	−12 3.5	1.818	2.806	4.3	20.1
4 21	12 25.13	−10 33.8	1.837	2.793	7.8	20.3
5 1	12 19.54	− 9 8.4	1.881	2.779	11.5	20.5

261949 2006 PK_{2} 3 31.6 247.°43 0.°6/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.26	− 8 48.6	1.959	2.728	15.5	21.8
3 2	13 3.63	− 8 30.1	1.848	2.711	12.5	21.5
3 12	12 57.58	− 7 55.4	1.758	2.693	8.9	21.3
3 22	12 49.54	− 7 6.5	1.694	2.675	4.7	21.0
4 1	12 40.29	− 6 7.4	1.657	2.656	0.6	20.6
4 11	12 30.86	− 5 4.5	1.648	2.636	4.6	20.9
4 21	12 22.29	− 4 4.8	1.668	2.616	9.1	21.1
5 1	12 15.50	− 3 14.8	1.711	2.595	13.2	21.3

222288 2000 SJ_{130} 3 31.6 164.°91 4.°8/ 6.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.24	−22 28.6	2.446	3.134	14.7	20.8
3 2	13 2.25	−22 36.5	2.346	3.139	12.6	20.7
3 12	12 56.25	−22 25.1	2.266	3.143	10.0	20.5
3 22	12 48.71	−21 53.5	2.209	3.147	7.3	20.3
4 1	12 40.34	−21 3.0	2.180	3.151	5.2	20.2
4 11	12 31.99	−19 57.5	2.179	3.154	5.1	20.2
4 21	12 24.48	−18 42.8	2.207	3.156	7.2	20.3
5 1	12 18.49	−17 25.8	2.261	3.158	9.9	20.5

146211 2000 UV_{97} 3 31.6 140.°33 4.°5/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.71	−23 59.4	2.914	3.586	12.9	20.5
3 2	12 59.11	−24 0.1	2.814	3.594	11.0	20.3
3 12	12 53.89	−23 43.4	2.735	3.602	8.9	20.2
3 22	12 47.45	−23 9.0	2.680	3.609	6.6	20.0
4 1	12 40.39	−22 18.1	2.652	3.617	4.8	19.9
4 11	12 33.38	−21 14.3	2.653	3.624	4.6	19.9
4 21	12 27.06	−20 2.1	2.683	3.630	6.2	20.0
5 1	12 21.97	−18 47.3	2.740	3.637	8.4	20.2

427371 2014 WF_{484} 3 31.6 119.°50 7.°2/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.45	+13 9.1	1.980	2.792	13.8	21.1
3 2	13 3.31	+14 41.8	1.923	2.806	11.1	21.0
3 12	12 56.96	+16 13.7	1.890	2.821	8.6	20.8
3 22	12 49.02	+17 36.2	1.882	2.835	7.3	20.8
4 1	12 40.33	+18 41.0	1.902	2.848	8.0	20.8
4 11	12 31.89	+19 22.5	1.949	2.861	10.1	21.0
4 21	12 24.56	+19 38.5	2.019	2.873	12.6	21.2
5 1	12 19.02	+19 29.7	2.111	2.885	15.0	21.4

173920 2001 VS_{58} 3 31.6 81.°75 0.°8/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.22	− 8 8.7	2.343	3.105	13.4	20.7
3 2	13 2.01	− 8 6.9	2.264	3.122	10.7	20.5
3 12	12 55.93	− 7 53.8	2.208	3.140	7.5	20.3
3 22	12 48.48	− 7 31.2	2.177	3.157	4.0	20.2
4 1	12 40.35	− 7 2.4	2.175	3.174	0.8	19.9
4 11	12 32.37	− 6 31.6	2.203	3.191	3.6	20.2
4 21	12 25.28	− 6 2.8	2.259	3.208	7.1	20.4
5 1	12 19.66	− 5 40.0	2.341	3.225	10.1	20.6

471135 2010 ER_{25} 3 31.6 256.°88 0.°2/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.87	− 8 12.7	2.412	3.180	12.9	21.8
3 2	12 58.75	− 7 43.5	2.308	3.172	10.3	21.6
3 12	12 53.82	− 7 1.0	2.228	3.164	7.2	21.4
3 22	12 47.50	− 6 7.7	2.173	3.155	3.7	21.1
4 1	12 40.39	− 5 7.7	2.147	3.147	0.2	20.8
4 11	12 33.26	− 4 6.4	2.151	3.138	3.8	21.1
4 21	12 26.84	− 3 9.2	2.183	3.129	7.4	21.3
5 1	12 21.76	− 2 20.9	2.240	3.120	10.6	21.5

8858 Cornus 3 31.6 294.°15 0.°0/31.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.74	− 6 19.1	1.554	2.351	17.6	18.1
3 2	13 3.14	− 6 11.2	1.449	2.329	14.2	17.8
3 12	12 57.66	− 5 47.2	1.364	2.308	10.1	17.5
3 22	12 49.75	− 5 9.2	1.302	2.286	5.2	17.2
4 1	12 40.29	− 4 22.0	1.266	2.265	0.2	16.7
4 11	12 30.55	− 3 32.9	1.256	2.244	5.7	17.1
4 21	12 21.86	− 2 49.6	1.271	2.223	11.0	17.3
5 1	12 15.33	− 2 19.1	1.308	2.202	15.7	17.6

345100 2005 NS_{24} 3 31.6 118.°88 3.°5/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.61	−17 47.3	2.403	3.127	14.1	21.1
3 2	12 59.39	−17 49.7	2.304	3.128	11.8	20.9
3 12	12 54.29	−17 35.0	2.226	3.129	9.0	20.7
3 22	12 47.73	−17 3.4	2.172	3.130	6.1	20.5
4 1	12 40.39	−16 16.8	2.146	3.131	3.7	20.4
4 11	12 33.06	−15 19.4	2.147	3.131	4.2	20.4
4 21	12 26.50	−14 16.8	2.177	3.132	6.9	20.6
5 1	12 21.35	−13 14.9	2.233	3.133	9.8	20.8

501029 2013 RL_{67} 3 31.6 184.°48 0.°3/31.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.93	− 7 9.7	2.398	3.164	13.0	23.0
3 2	13 1.10	− 6 28.0	2.301	3.164	10.3	22.8
3 12	12 55.39	− 5 33.2	2.227	3.164	7.1	22.6
3 22	12 48.26	− 4 28.2	2.180	3.163	3.5	22.3
4 1	12 40.38	− 3 18.0	2.163	3.162	0.4	22.1
4 11	12 32.52	− 2 8.4	2.175	3.160	4.1	22.4
4 21	12 25.45	− 1 5.1	2.217	3.157	7.7	22.6
5 1	12 19.78	− 0 12.8	2.284	3.153	10.9	22.8

32451 2000 SP_{25} 3 31.6 253.°20 3.°4/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.57	−25 53.1	4.797	5.438	8.5	19.5
3 2	12 53.72	−25 54.1	4.679	5.431	7.3	19.4
3 12	12 49.91	−25 43.9	4.581	5.425	6.0	19.2
3 22	12 45.39	−25 22.5	4.508	5.418	4.7	19.1
4 1	12 40.50	−24 50.5	4.463	5.411	3.7	19.1
4 11	12 35.60	−24 9.6	4.447	5.405	3.4	19.0
4 21	12 31.06	−23 22.2	4.460	5.398	4.2	19.1
5 1	12 27.19	−22 31.0	4.500	5.391	5.5	19.2

435053 2006 WH_{99} 3 31.6 217.°87 2.°7/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.11	−16 27.6	2.658	3.382	12.9	21.4
3 2	12 58.81	−16 18.5	2.551	3.378	10.7	21.3
3 12	12 53.79	−15 53.8	2.467	3.374	8.1	21.1
3 22	12 47.46	−15 14.1	2.407	3.369	5.2	20.9
4 1	12 40.41	−14 21.7	2.376	3.364	2.9	20.7
4 11	12 33.35	−13 20.7	2.373	3.360	3.6	20.8
4 21	12 26.96	−12 16.2	2.400	3.354	6.4	20.9
5 1	12 21.82	−11 13.7	2.454	3.349	9.2	21.1

208667 2002 GD_{17} 3 31.6 303.°43 2.°6/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.28	− 1 7.9	1.439	2.256	17.8	20.0
3 2	13 2.86	− 0 38.0	1.346	2.240	14.2	19.7
3 12	12 57.49	+ 0 5.8	1.272	2.224	9.8	19.4
3 22	12 49.65	+ 0 58.4	1.222	2.208	5.0	19.1
4 1	12 40.32	+ 1 52.2	1.197	2.193	2.9	18.9
4 11	12 30.84	+ 2 38.2	1.197	2.178	7.4	19.1
4 21	12 22.56	+ 3 9.1	1.222	2.163	12.4	19.4
5 1	12 16.57	+ 3 19.9	1.267	2.149	17.0	19.6

346552 2008 UA_{327} 3 31.6 92.°39 5.°6/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.83	+11 22.6	2.369	3.173	12.0	21.1
3 2	13 1.56	+12 37.9	2.316	3.198	9.5	21.0
3 12	12 55.51	+13 52.8	2.289	3.223	7.1	20.9
3 22	12 48.22	+15 0.7	2.288	3.247	5.7	20.8
4 1	12 40.39	+15 55.6	2.316	3.271	6.1	20.9
4 11	12 32.81	+16 32.8	2.372	3.295	8.0	21.0
4 21	12 26.17	+16 50.6	2.454	3.318	10.3	21.2
5 1	12 20.98	+16 49.0	2.558	3.341	12.5	21.4

386125 2007 RV_{299} 3 31.6 136.°64 2.°8/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.00	−16 25.3	2.831	3.543	12.4	22.5
3 2	13 1.61	−16 29.6	2.738	3.557	10.3	22.4
3 12	12 55.57	−16 20.0	2.668	3.569	7.8	22.2
3 22	12 48.29	−15 57.1	2.623	3.582	5.1	22.1
4 1	12 40.39	−15 22.6	2.607	3.593	3.0	22.0
4 11	12 32.55	−14 40.0	2.621	3.605	3.6	22.0
4 21	12 25.44	−13 53.4	2.664	3.615	6.0	22.2
5 1	12 19.59	−13 7.5	2.735	3.626	8.6	22.4

93640 2000 UU_{86} 3 31.6 223.°70 2.°8/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.63	+ 1 10.6	2.228	3.022	13.1	20.6
3 2	13 1.84	+ 1 58.0	2.132	3.013	10.2	20.4
3 12	12 56.02	+ 2 53.9	2.059	3.005	7.0	20.2
3 22	12 48.63	+ 3 53.5	2.013	2.996	3.8	20.0
4 1	12 40.37	+ 4 50.9	1.996	2.986	3.1	19.9
4 11	12 32.10	+ 5 40.1	2.007	2.976	6.0	20.1
4 21	12 24.64	+ 6 16.4	2.046	2.966	9.5	20.2
5 1	12 18.69	+ 6 36.8	2.110	2.955	12.6	20.4

288901 2004 RC_{311} 3 31.6 266.°06 1.°3/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.19	− 4 41.1	1.659	2.453	16.8	21.3
3 2	13 4.09	− 4 6.8	1.551	2.431	13.5	21.1
3 12	12 58.22	− 3 15.7	1.464	2.409	9.4	20.8
3 22	12 50.01	− 2 11.3	1.400	2.386	4.6	20.4
4 1	12 40.31	− 1 0.2	1.364	2.362	1.5	20.1
4 11	12 30.34	+ 0 9.2	1.355	2.338	6.3	20.4
4 21	12 21.35	+ 1 8.2	1.372	2.313	11.3	20.6
5 1	12 14.43	+ 1 50.2	1.411	2.288	15.9	20.8

343156 2009 HP_{66} 3 31.6 46.°18 1.°1/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.22	− 7 23.4	1.879	2.670	15.2	20.8
3 2	12 57.73	− 6 7.2	1.811	2.690	11.9	20.7
3 12	12 53.19	− 4 34.0	1.766	2.711	8.0	20.5
3 22	12 47.16	− 2 49.9	1.747	2.733	3.8	20.3
4 1	12 40.44	− 1 2.9	1.756	2.754	1.3	20.1
4 11	12 33.94	+ 0 37.9	1.794	2.776	5.1	20.4
4 21	12 28.45	+ 2 5.2	1.859	2.799	9.0	20.7
5 1	12 24.59	+ 3 13.8	1.949	2.821	12.4	20.9

172017 2001 UA_{125} 3 31.6 57.°73 8.°3/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.96	+18 38.0	2.026	2.836	13.6	19.2
3 2	13 2.77	+19 56.4	1.986	2.861	11.2	19.1
3 12	12 56.48	+21 7.9	1.968	2.885	9.2	19.0
3 22	12 48.72	+22 4.8	1.976	2.910	8.3	19.0
4 1	12 40.38	+22 40.5	2.010	2.935	9.0	19.1
4 11	12 32.41	+22 51.5	2.069	2.960	10.7	19.2
4 21	12 25.60	+22 37.6	2.152	2.984	12.7	19.4
5 1	12 20.55	+22 1.0	2.254	3.009	14.7	19.6

226846 2004 SJ_{45} 3 31.6 119.°80 0.°9/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.03	− 9 39.9	2.156	2.917	14.5	21.2
3 2	13 2.12	− 9 23.7	2.072	2.929	11.6	21.0
3 12	12 56.16	− 8 53.2	2.009	2.940	8.2	20.8
3 22	12 48.66	− 8 10.7	1.972	2.951	4.4	20.6
4 1	12 40.39	− 7 20.1	1.964	2.962	1.0	20.4
4 11	12 32.24	− 6 26.9	1.984	2.973	3.9	20.6
4 21	12 25.02	− 5 36.6	2.033	2.983	7.6	20.9
5 1	12 19.39	− 4 54.4	2.107	2.992	11.0	21.1

104966 2000 JU_{57} 3 31.6 249.°28 3.°8/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.49	−18 51.6	2.146	2.868	15.6	19.7
3 2	13 1.31	−18 43.3	2.030	2.852	13.2	19.5
3 12	12 55.91	−18 13.8	1.934	2.836	10.2	19.3
3 22	12 48.69	−17 22.6	1.862	2.820	6.9	19.0
4 1	12 40.39	−16 11.7	1.817	2.803	4.1	18.8
4 11	12 31.95	−14 46.2	1.800	2.785	4.7	18.8
4 21	12 24.32	−13 13.7	1.811	2.767	7.9	19.0
5 1	12 18.32	−11 42.5	1.848	2.748	11.5	19.1

128702 2004 RN_{101} 3 31.6 262.°19 3.°1/ 2.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 9.07	−12 31.5	1.608	2.374	18.4	20.6
3 2	13 5.75	−12 53.0	1.504	2.360	15.3	20.3
3 12	12 59.48	−12 56.3	1.419	2.345	11.4	20.0
3 22	12 50.69	−12 40.7	1.357	2.329	6.9	19.7
4 1	12 40.30	−12 7.9	1.320	2.314	3.3	19.4
4 11	12 29.65	−11 23.1	1.309	2.298	5.4	19.5
4 21	12 20.08	−10 33.6	1.325	2.282	10.1	19.8
5 1	12 12.75	− 9 47.8	1.364	2.266	14.7	20.0

371028 2005 UK_{90} 3 31.6 37.°63 0.°2/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 9.11	− 4 33.5	1.810	2.595	16.0	21.1
3 2	13 5.06	− 4 37.5	1.722	2.595	12.7	20.9
3 12	12 58.49	− 4 30.4	1.655	2.596	8.8	20.7
3 22	12 49.96	− 4 14.7	1.613	2.597	4.4	20.4
4 1	12 40.34	− 3 54.3	1.598	2.597	0.3	20.1
4 11	12 30.77	− 3 34.1	1.611	2.598	4.9	20.4
4 21	12 22.29	− 3 19.0	1.651	2.599	9.3	20.7
5 1	12 15.76	− 3 13.1	1.715	2.599	13.2	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
497358 2005 UV_{221}			3 31.6	229.°88	1.°2/ 1.8	17
	h m	° ′			°	m
2 21	13 6.83	−10 22.8	2.325	3.077	13.8	22.9
3 2	13 2.83	−10 8.7	2.213	3.064	11.2	22.7
3 12	12 56.77	− 9 40.2	2.123	3.050	8.0	22.4
3 22	12 49.06	− 8 58.9	2.058	3.036	4.4	22.2
4 1	12 40.38	− 8 7.7	2.023	3.021	1.2	21.9
4 11	12 31.59	− 7 11.8	2.017	3.005	3.9	22.1
4 21	12 23.55	− 6 16.8	2.039	2.988	7.7	22.3
5 1	12 17.00	− 5 28.2	2.088	2.971	11.2	22.5
147345 2003 BG_{69}			3 31.6	309.°55	0.°7/ 1.3	17
2 21	13 3.27	− 7 58.0	2.166	2.939	14.0	20.0
3 2	13 0.16	− 7 54.6	2.061	2.926	11.3	19.8
3 12	12 54.99	− 7 38.6	1.978	2.913	8.0	19.6
3 22	12 48.18	− 7 11.9	1.920	2.901	4.3	19.3
4 1	12 40.41	− 6 37.6	1.889	2.888	0.7	19.0
4 11	12 32.57	− 6 0.4	1.888	2.876	4.0	19.2
4 21	12 25.51	− 5 25.4	1.913	2.864	7.9	19.5
5 1	12 19.96	− 4 57.3	1.963	2.853	11.5	19.6
337836 2001 VE_{69}			3 31.6	268.°91	3.°2/28.3	17
2 21	13 5.53	+ 4 7.2	2.292	3.090	12.6	20.4
3 2	13 1.64	+ 4 38.3	2.203	3.086	9.9	20.2
3 12	12 55.81	+ 5 14.1	2.137	3.082	6.8	20.0
3 22	12 48.50	+ 5 50.3	2.097	3.077	4.0	19.8
4 1	12 40.40	+ 6 21.7	2.086	3.073	3.5	19.8
4 11	12 32.35	+ 6 43.7	2.103	3.069	6.1	19.9
4 21	12 25.12	+ 6 53.0	2.148	3.064	9.2	20.1
5 1	12 19.36	+ 6 47.9	2.217	3.060	12.2	20.3
420462 2012 DN_{77}			3 31.6	240.°24	2.°9/28.9	17
2 21	13 7.93	+ 1 27.4	1.974	2.770	14.4	21.3
3 2	13 3.99	+ 2 3.3	1.877	2.759	11.4	21.1
3 12	12 57.70	+ 2 47.7	1.802	2.748	7.8	20.8
3 22	12 49.56	+ 3 35.8	1.754	2.737	4.2	20.6
4 1	12 40.36	+ 4 21.5	1.733	2.725	3.3	20.5
4 11	12 31.12	+ 4 58.4	1.741	2.712	6.5	20.7
4 21	12 22.80	+ 5 21.8	1.775	2.700	10.3	20.9
5 1	12 16.25	+ 5 28.7	1.833	2.687	13.9	21.1
415948 2001 WE_{102}			3 31.6	106.°64	1.°4/30.3	18
2 21	13 9.37	− 2 7.6	2.043	2.826	14.4	21.9
3 2	13 4.71	− 1 43.3	1.970	2.845	11.3	21.7
3 12	12 57.89	− 1 9.6	1.921	2.863	7.7	21.6
3 22	12 49.50	− 0 30.6	1.897	2.881	3.8	21.3
4 1	12 40.37	+ 0 8.9	1.902	2.899	1.6	21.2
4 11	12 31.46	+ 0 43.3	1.936	2.916	5.0	21.5
4 21	12 23.63	+ 1 8.5	1.998	2.933	8.7	21.7
5 1	12 17.53	+ 1 21.5	2.085	2.949	12.0	22.0
108976 2001 PK_{45}			3 31.6	241.°98	1.°9/29.3	18
2 21	13 1.57	− 2 27.7	2.313	3.104	12.7	20.1
3 2	12 58.56	− 1 31.8	2.218	3.099	10.0	19.9
3 12	12 53.71	− 0 24.8	2.147	3.094	6.7	19.7
3 22	12 47.46	+ 0 49.0	2.103	3.088	3.4	19.5
4 1	12 40.45	+ 2 3.8	2.088	3.083	2.1	19.4
4 11	12 33.46	+ 3 13.0	2.102	3.078	5.2	19.6
4 21	12 27.22	+ 4 11.3	2.144	3.072	8.6	19.8
5 1	12 22.35	+ 4 54.7	2.210	3.066	11.7	20.0
189095 2001 QH_{211}			3 31.6	4.°35	5.°4/ 4.1	17
2 21	13 9.06	−14 48.8	1.480	2.244	19.8	19.3
3 2	13 5.86	−15 55.7	1.395	2.243	16.6	19.1
3 12	12 59.56	−16 45.1	1.328	2.244	12.8	18.8
3 22	12 50.70	−17 14.3	1.282	2.244	8.7	18.6
4 1	12 40.32	−17 22.4	1.261	2.246	5.7	18.4
4 11	12 29.85	−17 12.4	1.265	2.248	6.6	18.5
4 21	12 20.71	−16 50.3	1.294	2.251	10.3	18.7
5 1	12 14.02	−16 24.1	1.346	2.255	14.3	18.9
421062 2013 QU_{12}			3 31.6	25.°41	5.°5/ 4.5	17
2 21	13 11.15	−16 30.2	1.720	2.459	18.4	21.2
3 2	13 7.08	−17 34.7	1.630	2.461	15.5	21.0
3 12	13 0.17	−18 22.4	1.560	2.464	12.1	20.8
3 22	12 50.92	−18 50.6	1.512	2.467	8.5	20.5
4 1	12 40.31	−18 58.4	1.489	2.470	5.8	20.4
4 11	12 29.63	−18 48.2	1.494	2.473	6.4	20.4
4 21	12 20.12	−18 25.3	1.524	2.476	9.5	20.6
5 1	12 12.82	−17 57.1	1.579	2.480	13.1	20.8
61347 2000 PE_8			3 31.6	187.°97	3.°5/27.5	18
2 21	13 6.52	+ 4 27.0	2.492	3.284	11.9	20.0
3 2	13 2.23	+ 5 20.1	2.404	3.284	9.3	19.8
3 12	12 56.11	+ 6 18.5	2.339	3.282	6.5	19.6
3 22	12 48.62	+ 7 17.2	2.303	3.280	4.0	19.5
4 1	12 40.41	+ 8 10.7	2.296	3.278	3.8	19.4
4 11	12 32.25	+ 8 53.8	2.318	3.275	6.2	19.6
4 21	12 24.87	+ 9 22.9	2.368	3.271	9.1	19.8
5 1	12 18.87	+ 9 36.1	2.442	3.266	11.8	19.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
249156 2008 AK_{136}			3 31.6	260.°94	1.°0/30.6	17
	h m	° ′			°	m
2 21	13 5.64	− 2 10.5	2.458	3.237	12.4	20.7
3 2	13 1.65	− 1 59.8	2.356	3.229	9.8	20.5
3 12	12 55.80	− 1 41.4	2.279	3.220	6.7	20.3
3 22	12 48.51	− 1 18.0	2.228	3.212	3.3	20.1
4 1	12 40.42	− 0 53.2	2.206	3.203	1.1	19.9
4 11	12 32.30	− 0 31.1	2.213	3.195	4.3	20.1
4 21	12 24.92	− 0 15.2	2.249	3.186	7.8	20.3
5 1	12 18.90	− 0 8.4	2.310	3.177	10.9	20.5
471387 2011 SG_{126}			3 31.6	215.°17	1.°4/30.0	17
2 21	13 5.33	− 0 51.4	2.814	3.590	11.1	22.0
3 2	13 1.12	− 0 32.4	2.713	3.584	8.7	21.8
3 12	12 55.27	− 0 7.1	2.636	3.578	5.9	21.6
3 22	12 48.19	+ 0 21.9	2.587	3.571	3.0	21.4
4 1	12 40.44	+ 0 50.9	2.568	3.564	1.5	21.3
4 11	12 32.68	+ 1 16.3	2.579	3.556	4.2	21.5
4 21	12 25.56	+ 1 34.9	2.619	3.549	7.2	21.7
5 1	12 19.64	+ 1 44.3	2.685	3.541	9.9	21.8
143396 2003 BP_{30}			3 31.6	104.°46	0.°3/31.9	18
2 21	13 3.11	− 7 50.3	2.337	3.106	13.2	20.8
3 2	12 59.71	− 7 30.1	2.246	3.110	10.5	20.6
3 12	12 54.46	− 6 57.5	2.178	3.114	7.4	20.4
3 22	12 47.82	− 6 15.0	2.136	3.117	3.8	20.2
4 1	12 40.45	− 5 26.5	2.122	3.121	0.3	19.9
4 11	12 33.13	− 4 37.1	2.137	3.125	3.8	20.2
4 21	12 26.61	− 3 51.6	2.181	3.128	7.3	20.4
5 1	12 21.49	− 3 14.4	2.250	3.132	10.5	20.6
522824 2016 NA_{82}			3 31.6	223.°49	1.°0/30.3	17
2 21	13 3.14	− 3 9.7	2.782	3.557	11.2	23.3
3 2	12 59.46	− 2 38.2	2.679	3.549	8.8	23.1
3 12	12 54.17	− 1 58.1	2.599	3.541	6.0	22.9
3 22	12 47.65	− 1 12.2	2.547	3.531	2.9	22.7
4 1	12 40.46	− 0 24.5	2.525	3.522	1.2	22.5
4 11	12 33.26	+ 0 20.7	2.532	3.512	4.0	22.7
4 21	12 26.67	+ 0 59.3	2.569	3.502	7.1	22.9
5 1	12 21.25	+ 1 28.2	2.631	3.492	9.9	23.1
333830 2012 JB_{25}			3 31.6	326.°18	1.°1/ 1.6	17
2 21	12 59.65	−10 3.6	1.442	2.244	18.5	20.0
3 2	12 58.43	− 9 48.1	1.345	2.226	15.1	19.7
3 12	12 54.46	− 9 10.5	1.266	2.209	10.8	19.4
3 22	12 48.16	− 8 12.6	1.210	2.192	5.9	19.1
4 1	12 40.44	− 6 59.5	1.178	2.176	1.1	18.7
4 11	12 32.56	− 5 40.2	1.171	2.161	5.4	19.0
4 21	12 25.79	− 4 24.8	1.188	2.147	10.7	19.2
5 1	12 21.18	− 3 22.7	1.227	2.134	15.6	19.4
106315 2000 UP_{94}			3 31.6	138.°93	1.°8/ 2.9	18
2 21	13 3.84	−12 44.3	2.779	3.515	12.1	19.6
3 2	12 59.98	−12 40.5	2.684	3.523	9.9	19.4
3 12	12 54.49	−12 24.2	2.612	3.530	7.2	19.3
3 22	12 47.80	−11 56.7	2.566	3.537	4.3	19.1
4 1	12 40.48	−11 20.2	2.549	3.543	1.9	18.9
4 11	12 33.20	−10 38.4	2.562	3.550	3.2	19.0
4 21	12 26.60	− 9 55.5	2.604	3.556	6.1	19.2
5 1	12 21.23	− 9 15.6	2.673	3.562	8.8	19.4
387219 2012 UD_9			3 31.6	154.°51	2.°8/28.6	17
2 21	13 4.40	+ 1 56.7	2.304	3.100	12.6	21.7
3 2	13 0.71	+ 2 37.6	2.220	3.102	9.8	21.5
3 12	12 55.14	+ 3 25.2	2.158	3.104	6.7	21.3
3 22	12 48.17	+ 4 14.9	2.124	3.106	3.7	21.1
4 1	12 40.46	+ 5 1.5	2.118	3.108	3.1	21.1
4 11	12 32.84	+ 5 39.6	2.141	3.110	5.7	21.3
4 21	12 26.03	+ 6 5.6	2.192	3.111	8.9	21.5
5 1	12 20.67	+ 6 17.0	2.266	3.113	11.8	21.7
410736 2009 CX_{31}			3 31.6	346.°16	1.°7/30.4	17
2 21	13 2.81	− 3 43.5	1.275	2.098	19.3	21.2
3 2	13 1.12	− 3 16.1	1.195	2.092	15.3	20.9
3 12	12 56.36	− 2 31.1	1.135	2.087	10.5	20.6
3 22	12 49.10	− 1 33.7	1.096	2.083	5.2	20.3
4 1	12 40.42	− 0 31.9	1.081	2.079	1.9	20.1
4 11	12 31.76	+ 0 24.3	1.091	2.076	7.0	20.4
4 21	12 24.49	+ 1 6.4	1.124	2.074	12.3	20.7
5 1	12 19.66	+ 1 28.6	1.177	2.073	17.0	20.9
83551 2001 SZ_{175}			3 31.6	75.°83	2.°0/29.3	18
2 21	13 2.37	− 1 35.9	2.201	2.995	13.2	19.4
3 2	12 59.16	− 0 44.8	2.123	3.006	10.3	19.2
3 12	12 54.08	+ 0 16.1	2.069	3.016	6.9	19.0
3 22	12 47.63	+ 1 22.0	2.042	3.027	3.5	18.8
4 1	12 40.49	+ 2 27.1	2.043	3.037	2.3	18.7
4 11	12 33.48	+ 3 25.3	2.073	3.048	5.3	18.9
4 21	12 27.33	+ 4 11.7	2.130	3.059	8.6	19.2
5 1	12 22.64	+ 4 43.2	2.212	3.069	11.7	19.4

246192 2007 RH_{88} 3 31.6 225.°45 1.°0/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.32	− 8 30.5	2.309	3.069	13.6	20.7
3 2	13 2.36	− 8 31.0	2.207	3.065	11.0	20.5
3 12	12 56.40	− 8 19.7	2.128	3.060	7.8	20.3
3 22	12 48.86	− 7 58.1	2.075	3.054	4.2	20.1
4 1	12 40.44	− 7 29.0	2.051	3.049	1.0	19.8
4 11	12 31.99	− 6 56.6	2.055	3.044	3.8	20.0
4 21	12 24.34	− 6 25.4	2.088	3.038	7.5	20.3
5 1	12 18.17	− 5 59.9	2.147	3.032	10.8	20.4

223620 2004 JX_{12} 3 31.6 250.°23 0.°3/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.82	− 6 58.6	2.180	2.947	14.1	20.9
3 2	13 3.82	− 6 47.6	2.066	2.928	11.4	20.7
3 12	12 57.59	− 6 23.9	1.974	2.910	8.0	20.5
3 22	12 49.55	− 5 49.6	1.908	2.890	4.2	20.2
4 1	12 40.42	− 5 8.2	1.871	2.870	0.3	19.8
4 11	12 31.11	− 4 24.8	1.863	2.850	4.3	20.1
4 21	12 22.58	− 3 44.8	1.883	2.828	8.5	20.3
5 1	12 15.63	− 3 13.1	1.928	2.807	12.2	20.5

499115 2009 HX_{75} 3 31.6 286.°20 2.°4/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.41	− 0 56.0	1.599	2.405	16.8	21.5
3 2	13 4.33	− 0 32.0	1.498	2.385	13.4	21.2
3 12	12 58.42	+ 0 4.2	1.417	2.365	9.3	20.9
3 22	12 50.14	+ 0 48.0	1.360	2.345	4.7	20.6
4 1	12 40.39	+ 1 32.9	1.329	2.325	2.6	20.4
4 11	12 30.43	+ 2 11.3	1.325	2.305	6.9	20.6
4 21	12 21.52	+ 2 36.5	1.346	2.285	11.7	20.9
5 1	12 14.75	+ 2 44.2	1.389	2.265	16.1	21.1

2616 Lesya 3 31.6 203.°10 0.°8/31.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.15	− 5 56.2	1.529	2.323	18.0	16.1
3 2	13 4.84	− 5 25.4	1.442	2.321	14.3	15.8
3 12	12 58.66	− 4 36.9	1.375	2.319	9.9	15.6
3 22	12 50.18	− 3 34.7	1.331	2.316	4.9	15.3
4 1	12 40.39	− 2 25.6	1.314	2.313	0.9	15.0
4 11	12 30.62	− 1 18.6	1.324	2.309	6.0	15.3
4 21	12 22.10	− 0 21.9	1.359	2.305	11.0	15.6
5 1	12 15.83	+ 0 18.2	1.417	2.301	15.4	15.8

315351 2007 UX_{14} 3 31.6 150.°15 5.°7/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 9.55	+ 9 19.0	2.130	2.931	13.3	21.7
3 2	13 4.83	+10 39.3	2.062	2.943	10.6	21.5
3 12	12 57.99	+12 2.1	2.017	2.954	7.8	21.3
3 22	12 49.59	+13 20.1	2.000	2.965	5.9	21.2
4 1	12 40.43	+14 25.6	2.011	2.974	6.3	21.3
4 11	12 31.45	+15 12.6	2.051	2.982	8.6	21.4
4 21	12 23.51	+15 38.1	2.116	2.990	11.3	21.6
5 1	12 17.27	+15 41.7	2.204	2.997	13.9	21.8

140415 2001 TP_{85} 3 31.6 70.°80 2.°1/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.23	−12 29.4	2.213	2.963	14.5	19.8
3 2	13 1.45	−12 32.9	2.132	2.978	11.7	19.6
3 12	12 55.68	−12 21.7	2.073	2.994	8.6	19.5
3 22	12 48.45	−11 57.1	2.038	3.010	5.1	19.3
4 1	12 40.47	−11 21.7	2.031	3.026	2.3	19.1
4 11	12 32.62	−10 40.2	2.053	3.042	3.8	19.2
4 21	12 25.68	− 9 57.7	2.103	3.057	7.1	19.5
5 1	12 20.30	− 9 19.2	2.179	3.073	10.3	19.7

333271 4318 P–L 3 31.6 181.°94 1.°0/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.37	−10 43.6	2.488	3.237	13.1	21.7
3 2	13 1.42	−10 21.2	2.389	3.238	10.5	21.5
3 12	12 55.62	− 9 44.9	2.312	3.238	7.5	21.3
3 22	12 48.42	− 8 56.6	2.261	3.238	4.1	21.1
4 1	12 40.47	− 7 59.9	2.239	3.237	1.1	20.9
4 11	12 32.54	− 6 59.6	2.248	3.236	3.5	21.0
4 21	12 25.37	− 6 1.1	2.285	3.234	7.0	21.3
5 1	12 19.57	− 5 9.4	2.349	3.231	10.1	21.5

377329 2004 NG_{23} 3 31.6 239.°00 5.°7/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.85	−21 27.8	2.285	2.979	15.5	20.8
3 2	13 4.73	−22 7.9	2.171	2.967	13.4	20.6
3 12	12 58.30	−22 30.8	2.076	2.954	10.8	20.4
3 22	12 49.95	−22 34.3	2.004	2.940	8.1	20.2
4 1	12 40.42	−22 17.6	1.959	2.927	6.0	20.1
4 11	12 30.67	−21 42.9	1.942	2.912	6.0	20.0
4 21	12 21.71	−20 55.0	1.952	2.898	8.2	20.1
5 1	12 14.40	−20 0.5	1.988	2.883	11.1	20.3

53140 1999 BT_5 3 31.6 114.°62 0.°3/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.09	− 6 36.6	1.982	2.758	15.1	19.7
3 2	13 3.08	− 6 4.7	1.905	2.774	11.9	19.5
3 12	12 56.89	− 5 19.0	1.849	2.789	8.2	19.3
3 22	12 49.08	− 4 23.1	1.820	2.803	4.1	19.1
4 1	12 40.47	− 3 22.4	1.818	2.817	0.4	18.8
4 11	12 32.03	− 2 23.3	1.846	2.831	4.6	19.2
4 21	12 24.64	− 1 31.9	1.901	2.844	8.5	19.5
5 1	12 18.99	− 0 52.7	1.980	2.857	12.0	19.7

4772 Frankdrake 3 31.6 151.°99 1.°4/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.44	−12 59.4	2.603	3.348	12.7	17.4
3 2	12 58.25	−12 30.3	2.506	3.351	10.3	17.2
3 12	12 53.39	−11 46.2	2.431	3.354	7.4	17.0
3 22	12 47.29	−10 49.1	2.383	3.357	4.3	16.8
4 1	12 40.54	− 9 42.5	2.363	3.359	1.5	16.6
4 11	12 33.83	− 8 31.4	2.373	3.362	3.3	16.7
4 21	12 27.82	− 7 21.3	2.412	3.364	6.5	16.9
5 1	12 23.06	− 6 17.3	2.478	3.366	9.4	17.1

479572 2014 CU_{11} 3 31.6 347.°10 12.°4/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 13.64	−31 42.3	1.927	2.563	19.6	20.1
3 2	13 9.66	−34 2.5	1.829	2.555	17.9	19.9
3 12	13 2.48	−36 4.8	1.747	2.549	16.0	19.7
3 22	12 52.42	−37 41.5	1.686	2.542	14.2	19.6
4 1	12 40.33	−38 45.5	1.648	2.537	12.8	19.5
4 11	12 27.62	−39 13.7	1.632	2.532	12.4	19.4
4 21	12 15.86	−39 8.5	1.640	2.528	13.2	19.5
5 1	12 6.45	−38 37.0	1.669	2.525	14.8	19.6

114793 2003 NK_1 3 31.6 138.°89 6.°4/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.68	+ 9 52.1	1.972	2.780	14.0	19.8
3 2	13 4.33	+11 25.3	1.909	2.793	11.1	19.6
3 12	12 57.73	+13 0.9	1.869	2.806	8.3	19.5
3 22	12 49.49	+14 30.5	1.856	2.819	6.5	19.4
4 1	12 40.47	+15 45.4	1.872	2.830	7.0	19.4
4 11	12 31.66	+16 39.0	1.914	2.841	9.4	19.6
4 21	12 23.96	+17 8.3	1.982	2.851	12.2	19.8
5 1	12 18.06	+17 13.0	2.071	2.860	14.8	20.0

30527 2001 NW_{10} 3 31.6 95.°02 3.°8/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.51	−18 27.3	2.246	2.969	15.0	19.0
3 2	13 0.26	−18 30.7	2.153	2.975	12.6	18.8
3 12	12 54.98	−18 15.6	2.079	2.980	9.7	18.6
3 22	12 48.16	−17 41.9	2.030	2.986	6.6	18.4
4 1	12 40.52	−16 51.8	2.007	2.991	4.1	18.3
4 11	12 32.92	−15 49.9	2.013	2.996	4.5	18.3
4 21	12 26.17	−14 42.4	2.046	3.002	7.2	18.5
5 1	12 20.97	−13 35.7	2.106	3.007	10.3	18.7

34352 2000 RJ_{13} 3 31.6 48.°40 2.°2/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.14	−13 7.7	2.142	2.896	14.8	18.5
3 2	12 59.95	−13 6.0	2.058	2.906	12.0	18.3
3 12	12 54.74	−12 48.3	1.994	2.916	8.8	18.1
3 22	12 48.02	−12 16.0	1.955	2.927	5.3	17.9
4 1	12 40.52	−11 32.0	1.943	2.938	2.4	17.7
4 11	12 33.12	−10 41.4	1.960	2.949	3.9	17.9
4 21	12 26.61	− 9 49.9	2.004	2.960	7.3	18.1
5 1	12 21.66	− 9 3.0	2.074	2.971	10.6	18.3

100929 1998 MQ_6 3 31.6 182.°48 2.°8/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.56	−15 3.8	2.338	3.071	14.2	21.1
3 2	13 1.78	−15 6.3	2.238	3.071	11.7	20.9
3 12	12 56.00	−14 52.9	2.159	3.071	8.8	20.7
3 22	12 48.68	−14 24.2	2.106	3.071	5.6	20.5
4 1	12 40.50	−13 42.1	2.080	3.070	3.0	20.3
4 11	12 32.32	−12 51.2	2.083	3.070	4.0	20.4
4 21	12 24.95	−11 56.7	2.114	3.068	7.1	20.6
5 1	12 19.07	−11 4.5	2.172	3.067	10.3	20.8

179533 2002 CP_{201} 3 31.6 225.°44 4.°8/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.49	+10 6.0	2.854	3.658	10.2	20.3
3 2	12 58.15	+11 26.3	2.767	3.650	8.1	20.1
3 12	12 53.27	+12 49.1	2.705	3.641	6.1	19.9
3 22	12 47.23	+14 8.9	2.671	3.632	4.9	19.8
4 1	12 40.57	+15 19.7	2.667	3.623	5.4	19.9
4 11	12 33.91	+16 16.7	2.691	3.613	7.2	20.0
4 21	12 27.85	+16 56.7	2.742	3.603	9.5	20.1
5 1	12 22.93	+17 18.2	2.815	3.593	11.6	20.2

174012 2001 YL_{22} 3 31.6 98.°44 1.°0/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.31	− 3 25.1	2.537	3.314	12.1	21.1
3 2	13 0.36	− 2 54.8	2.460	3.331	9.5	20.9
3 12	12 54.75	− 2 15.8	2.407	3.348	6.4	20.7
3 22	12 47.93	− 1 31.4	2.381	3.365	3.1	20.5
4 1	12 40.54	− 0 45.9	2.384	3.382	1.1	20.4
4 11	12 33.29	− 0 3.7	2.418	3.399	4.1	20.6
4 21	12 26.83	+ 0 31.3	2.479	3.415	7.2	20.9
5 1	12 21.68	+ 0 56.0	2.567	3.431	10.0	21.1

139951 2001 RA_{142} 3 31.6 136.°08 9.°3/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 9.89	−36 10.0	2.678	3.253	15.7	20.0
3 2	13 5.46	−37 23.0	2.581	3.259	14.3	19.8
3 12	12 58.73	−38 16.0	2.501	3.265	12.7	19.7
3 22	12 50.14	−38 44.9	2.440	3.271	11.2	19.6
4 1	12 40.45	−38 47.1	2.402	3.277	9.9	19.5
4 11	12 30.64	−38 23.0	2.389	3.282	9.3	19.5
4 21	12 21.67	−37 36.2	2.400	3.287	9.7	19.5
5 1	12 14.40	−36 32.7	2.436	3.292	10.8	19.6

213246 2001 BP_{50} 3 31.6 53.°66 1.°6/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.30	− 3 49.3	1.391	2.201	18.6	21.2
3 2	13 3.36	− 3 15.5	1.325	2.215	14.6	21.0
3 12	12 57.54	− 2 26.1	1.279	2.229	10.0	20.7
3 22	12 49.55	− 1 26.6	1.257	2.243	4.9	20.5
4 1	12 40.48	− 0 24.9	1.259	2.257	1.8	20.3
4 11	12 31.69	+ 0 30.1	1.288	2.272	6.4	20.6
4 21	12 24.35	+ 1 11.2	1.342	2.287	11.2	20.9
5 1	12 19.31	+ 1 34.0	1.417	2.302	15.3	21.2

202871 2008 UE_{92} 3 31.6 93.°66 4.°5/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.22	+ 7 43.8	2.243	3.042	12.8	20.6
3 2	13 3.54	+ 8 35.6	2.183	3.065	10.0	20.5
3 12	12 56.95	+ 9 29.4	2.148	3.089	7.1	20.3
3 22	12 49.02	+10 19.3	2.140	3.112	4.9	20.2
4 1	12 40.51	+10 59.6	2.161	3.135	4.9	20.3
4 11	12 32.26	+11 25.8	2.210	3.157	7.1	20.4
4 21	12 25.02	+11 35.7	2.286	3.179	9.8	20.6
5 1	12 19.36	+11 28.6	2.385	3.201	12.3	20.8

84735 2002 WO_{12} 3 31.6 99.°56 4.°1/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.28	+ 0 3.4	1.716	2.530	15.5	19.6
3 2	12 59.75	+ 1 41.2	1.638	2.532	12.1	19.4
3 12	12 54.86	+ 3 33.3	1.583	2.535	8.2	19.2
3 22	12 48.17	+ 5 31.4	1.554	2.537	4.8	19.0
4 1	12 40.53	+ 7 25.0	1.553	2.539	4.7	19.0
4 11	12 33.00	+ 9 3.7	1.580	2.542	8.0	19.2
4 21	12 26.52	+10 20.1	1.632	2.544	11.9	19.4
5 1	12 21.89	+11 10.3	1.706	2.546	15.3	19.6

496583 2015 BO_{75} 3 31.6 175.°12 2.°0/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.65	− 0 15.7	2.315	3.099	12.9	22.1
3 2	13 3.27	+ 0 17.7	2.226	3.101	10.1	21.9
3 12	12 56.93	+ 0 59.0	2.160	3.103	6.9	21.7
3 22	12 49.11	+ 1 44.3	2.121	3.105	3.5	21.5
4 1	12 40.51	+ 2 28.7	2.111	3.106	2.3	21.4
4 11	12 31.97	+ 3 6.9	2.131	3.106	5.2	21.6
4 21	12 24.28	+ 3 35.0	2.179	3.106	8.6	21.8
5 1	12 18.09	+ 3 50.1	2.252	3.105	11.7	22.0

119761 2001 YK_{116} 3 31.6 254.°01 2.°7/ 2.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 10.73	−11 47.0	2.089	2.834	15.4	19.5
3 2	13 6.34	−12 14.4	1.975	2.818	12.7	19.3
3 12	12 59.49	−12 28.8	1.882	2.802	9.4	19.0
3 22	12 50.61	−12 29.7	1.814	2.785	5.8	18.8
4 1	12 40.45	−12 18.2	1.774	2.768	2.8	18.5
4 11	12 30.05	−11 57.5	1.763	2.750	4.5	18.6
4 21	12 20.47	−11 32.3	1.780	2.731	8.4	18.8
5 1	12 12.64	−11 8.1	1.822	2.713	12.1	19.0

15049 1998 XA_{90} 3 31.6 91.°39 3.°3/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.68	−17 52.4	1.819	2.559	17.5	18.1
3 2	13 1.54	−17 28.5	1.738	2.575	14.4	17.9
3 12	12 56.02	−16 40.6	1.678	2.590	10.8	17.7
3 22	12 48.72	−15 30.1	1.640	2.605	6.9	17.5
4 1	12 40.52	−14 1.4	1.629	2.620	3.6	17.3
4 11	12 32.51	−12 22.6	1.647	2.635	4.6	17.4
4 21	12 25.64	−10 42.8	1.691	2.649	8.2	17.6
5 1	12 20.65	− 9 10.9	1.761	2.664	11.9	17.9

325917 2010 UC_{94} 3 31.6 163.°13 3.°8/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 9.89	+ 6 5.2	2.486	3.274	12.0	21.3
3 2	13 4.81	+ 6 52.1	2.405	3.281	9.4	21.1
3 12	12 57.86	+ 7 42.6	2.348	3.288	6.6	20.9
3 22	12 49.52	+ 8 31.5	2.320	3.295	4.3	20.8
4 1	12 40.50	+ 9 13.7	2.321	3.300	4.1	20.8
4 11	12 31.60	+ 9 44.4	2.352	3.304	6.4	20.9
4 21	12 23.56	+10 0.8	2.410	3.308	9.2	21.1
5 1	12 16.98	+10 1.6	2.494	3.311	11.8	21.3

12484 1997 FO_3 3 31.6 290.°98 0.°8/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.90	− 5 17.2	1.933	2.723	14.9	18.7
3 2	13 0.13	− 4 43.3	1.833	2.712	11.8	18.5
3 12	12 55.12	− 3 55.1	1.756	2.700	8.2	18.2
3 22	12 48.34	− 2 56.1	1.704	2.689	4.0	18.0
4 1	12 40.54	− 1 51.8	1.679	2.678	1.0	17.7
4 11	12 32.69	− 0 49.4	1.682	2.666	5.1	18.0
4 21	12 25.71	+ 0 4.7	1.712	2.655	9.3	18.2
5 1	12 20.41	+ 0 45.2	1.766	2.644	13.1	18.4

437639 2014 BD_{38} 3 31.6 120.°27 2.°6/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.00	+ 1 1.8	2.482	3.277	11.8	21.6
3 2	12 58.68	+ 1 59.1	2.400	3.283	9.2	21.4
3 12	12 53.69	+ 3 3.8	2.343	3.290	6.2	21.2
3 22	12 47.45	+ 4 11.2	2.313	3.296	3.5	21.0
4 1	12 40.58	+ 5 15.8	2.313	3.302	3.0	21.0
4 11	12 33.81	+ 6 12.1	2.342	3.308	5.5	21.2
4 21	12 27.78	+ 6 56.0	2.398	3.314	8.4	21.4
5 1	12 23.03	+ 7 24.9	2.479	3.320	11.1	21.6

65771 1995 KQ_3 3 31.6 52.°95 2.°0/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.16	−12 54.8	1.474	2.255	19.2	19.6
3 2	13 1.75	−12 36.2	1.394	2.260	15.6	19.3
3 12	12 56.54	−11 53.8	1.333	2.266	11.3	19.1
3 22	12 49.12	−10 49.5	1.294	2.271	6.5	18.8
4 1	12 40.52	− 9 29.0	1.280	2.277	2.2	18.6
4 11	12 32.02	− 8 1.5	1.292	2.283	5.0	18.8
4 21	12 24.83	− 6 37.2	1.330	2.289	9.9	19.1
5 1	12 19.86	− 5 25.2	1.391	2.296	14.3	19.3

4046 Swain 3 31.6 270.°29 1.°3/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.81	−11 38.6	1.897	2.666	15.9	16.7
3 2	13 0.12	−11 10.5	1.798	2.659	12.9	16.5
3 12	12 55.14	−10 23.0	1.720	2.652	9.3	16.2
3 22	12 48.36	− 9 18.2	1.667	2.646	5.1	15.9
4 1	12 40.55	− 8 0.9	1.640	2.639	1.3	15.7
4 11	12 32.72	− 6 38.4	1.642	2.632	4.4	15.9
4 21	12 25.81	− 5 18.7	1.671	2.625	8.7	16.1
5 1	12 20.63	− 4 9.2	1.724	2.618	12.6	16.3

21617 Johnhagen 3 31.6 178.°93 0.°7/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.86	− 9 29.8	1.919	2.685	15.8	19.2
3 2	13 3.99	− 9 6.5	1.826	2.687	12.7	19.0
3 12	12 57.74	− 8 26.5	1.755	2.688	9.0	18.8
3 22	12 49.63	− 7 32.2	1.708	2.689	4.8	18.5
4 1	12 40.51	− 6 28.4	1.690	2.688	0.7	18.2
4 11	12 31.43	− 5 21.7	1.700	2.688	4.5	18.5
4 21	12 23.36	− 4 19.4	1.737	2.687	8.8	18.7
5 1	12 17.11	− 3 27.4	1.800	2.685	12.6	19.0

159285 2006 AG_{35} 3 31.6 282.°49 0.°7/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.19	− 5 18.0	1.905	2.694	15.1	21.2
3 2	13 1.11	− 4 48.8	1.813	2.690	12.0	21.0
3 12	12 55.76	− 4 5.8	1.743	2.687	8.3	20.7
3 22	12 48.64	− 3 12.6	1.698	2.683	4.1	20.5
4 1	12 40.55	− 2 14.6	1.681	2.680	0.9	20.2
4 11	12 32.47	− 1 18.5	1.692	2.677	5.0	20.5
4 21	12 25.35	− 0 30.7	1.729	2.673	9.2	20.7
5 1	12 19.95	+ 0 4.2	1.790	2.670	12.9	21.0

346246 2008 CX_{176} 3 31.7 3.°70 7.°0/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.29	−24 50.4	1.937	2.640	17.7	19.7
3 2	12 59.08	−25 28.5	1.844	2.640	15.4	19.5
3 12	12 54.52	−25 43.5	1.768	2.640	12.7	19.3
3 22	12 48.08	−25 33.1	1.714	2.641	9.8	19.1
4 1	12 40.57	−24 56.9	1.684	2.643	7.6	19.0
4 11	12 33.04	−23 58.6	1.678	2.646	7.1	19.0
4 21	12 26.49	−22 44.9	1.699	2.649	8.8	19.1
5 1	12 21.75	−21 24.3	1.743	2.653	11.6	19.2

144801 2004 HF_{55} 3 31.7 69.°03 5.°7/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.97	+ 6 53.5	1.562	2.380	16.6	19.7
3 2	13 4.99	+ 7 57.0	1.508	2.401	13.0	19.6
3 12	12 58.37	+ 9 4.4	1.476	2.422	9.2	19.4
3 22	12 49.86	+10 7.4	1.468	2.444	6.2	19.3
4 1	12 40.52	+10 57.3	1.487	2.465	6.2	19.3
4 11	12 31.57	+11 27.5	1.532	2.486	9.1	19.5
4 21	12 24.05	+11 35.1	1.602	2.507	12.5	19.8
5 1	12 18.68	+11 20.3	1.692	2.528	15.6	20.0

259602 2003 UO_{274} 3 31.7 111.°38 0.°9/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 10.58	− 7 56.4	1.733	2.507	17.0	20.6
3 2	13 6.27	− 7 57.5	1.654	2.519	13.6	20.4
3 12	12 59.35	− 7 44.1	1.595	2.530	9.6	20.2
3 22	12 50.44	− 7 18.0	1.561	2.542	5.1	19.9
4 1	12 40.49	− 6 43.3	1.554	2.553	0.9	19.6
4 11	12 30.71	− 6 6.0	1.575	2.563	4.7	19.9
4 21	12 22.15	− 5 32.1	1.623	2.574	9.1	20.2
5 1	12 15.67	− 5 6.7	1.695	2.584	13.0	20.5

68050 2000 YR_{50} 3 31.7 236.°43 6.°6/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.70	−23 30.3	2.012	2.706	17.4	19.0
3 2	13 5.02	−24 4.8	1.900	2.693	15.1	18.8
3 12	12 58.75	−24 17.9	1.805	2.679	12.3	18.6
3 22	12 50.30	−24 6.6	1.733	2.665	9.4	18.3
4 1	12 40.49	−23 29.8	1.685	2.650	7.0	18.2
4 11	12 30.45	−22 30.3	1.665	2.635	6.9	18.1
4 21	12 21.31	−21 14.7	1.671	2.619	9.1	18.2
5 1	12 14.08	−19 51.7	1.702	2.602	12.4	18.4

337755 2001 UX_{110} 3 31.7 68.°75 0.°7/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.19	− 3 31.8	2.193	2.972	13.7	20.6
3 2	13 2.87	− 3 21.0	2.122	2.994	10.8	20.4
3 12	12 56.60	− 3 1.2	2.074	3.015	7.3	20.2
3 22	12 48.91	− 2 35.3	2.052	3.037	3.6	20.0
4 1	12 40.57	− 2 7.5	2.059	3.058	0.8	19.8
4 11	12 32.43	− 1 42.0	2.096	3.079	4.3	20.1
4 21	12 25.27	− 1 22.8	2.160	3.101	7.8	20.4
5 1	12 19.67	− 1 12.8	2.249	3.122	10.9	20.6

386964 2011 UN_{105} 3 31.7 286.°50 0.°6/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.07	− 5 13.6	2.318	3.099	13.0	21.1
3 2	12 59.01	− 4 42.6	2.220	3.092	10.3	20.9
3 12	12 54.09	− 4 0.0	2.144	3.086	7.1	20.7
3 22	12 47.74	− 3 8.9	2.095	3.080	3.5	20.5
4 1	12 40.61	− 2 13.8	2.075	3.074	0.8	20.3
4 11	12 33.47	− 1 20.2	2.083	3.067	4.3	20.5
4 21	12 27.07	− 0 33.2	2.119	3.061	7.9	20.7
5 1	12 22.05	+ 0 3.0	2.181	3.055	11.1	20.9

32022 Sarahjenkins 3 31.7 351.°39 0.°2/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.81	− 9 39.3	1.240	2.053	20.4	18.5
3 2	12 59.65	− 9 0.7	1.161	2.049	16.4	18.3
3 12	12 55.42	− 7 55.7	1.099	2.046	11.5	18.0
3 22	12 48.70	− 6 28.3	1.059	2.044	5.9	17.6
4 1	12 40.57	− 4 46.9	1.043	2.043	0.2	17.2
4 11	12 32.47	− 3 4.3	1.052	2.042	6.2	17.6
4 21	12 25.78	− 1 32.8	1.084	2.041	11.8	17.9
5 1	12 21.54	− 0 22.2	1.137	2.042	16.8	18.2

293296 2007 DR_{20} 3 31.7 0.°38 3.°5/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.80	− 0 42.6	1.490	2.314	16.9	20.5
3 2	12 58.99	+ 0 22.0	1.413	2.312	13.3	20.2
3 12	12 54.58	+ 1 41.2	1.357	2.311	9.0	20.0
3 22	12 48.13	+ 3 7.8	1.325	2.311	4.8	19.7
4 1	12 40.59	+ 4 32.2	1.319	2.311	3.9	19.7
4 11	12 33.15	+ 5 44.4	1.339	2.312	7.7	19.9
4 21	12 26.88	+ 6 37.0	1.382	2.314	12.1	20.2
5 1	12 22.66	+ 7 5.7	1.447	2.317	16.0	20.4

119411 2001 TJ_{73} 3 31.7 202.°27 0.°5/31.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.50	− 5 19.4	2.256	3.026	13.6	21.3
3 2	13 3.33	− 4 57.1	2.156	3.022	10.8	21.0
3 12	12 57.10	− 4 23.4	2.080	3.018	7.5	20.8
3 22	12 49.27	− 3 41.0	2.029	3.013	3.7	20.6
4 1	12 40.55	− 2 54.3	2.008	3.007	0.6	20.3
4 11	12 31.82	− 2 8.3	2.016	3.001	4.4	20.6
4 21	12 23.92	− 1 28.3	2.053	2.994	8.2	20.8
5 1	12 17.55	− 0 58.4	2.115	2.986	11.6	21.0

328248 2008 FR_{103} 3 31.7 264.°45 2.°0/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.24	− 2 33.4	2.067	2.857	14.1	21.5
3 2	13 1.93	− 1 43.9	1.955	2.834	11.2	21.2
3 12	12 56.39	− 0 41.1	1.865	2.810	7.7	20.9
3 22	12 49.04	+ 0 31.0	1.801	2.786	3.9	20.7
4 1	12 40.56	+ 1 46.0	1.766	2.761	2.3	20.5
4 11	12 31.91	+ 2 56.5	1.759	2.736	5.9	20.7
4 21	12 24.02	+ 3 55.9	1.780	2.710	9.9	20.9
5 1	12 17.74	+ 4 39.0	1.824	2.683	13.7	21.0

312223 2007 WK_{55} 3 31.7 57.°83 0.°2/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.79	− 6 54.1	1.453	2.249	18.7	21.2
3 2	13 4.50	− 6 46.1	1.383	2.262	14.9	21.0
3 12	12 58.35	− 6 21.5	1.332	2.274	10.4	20.8
3 22	12 50.00	− 5 43.4	1.304	2.287	5.3	20.5
4 1	12 40.53	− 4 57.5	1.301	2.301	0.3	20.1
4 11	12 31.29	− 4 11.4	1.325	2.314	5.4	20.6
4 21	12 23.46	− 3 32.3	1.374	2.327	10.2	20.9
5 1	12 17.93	− 3 5.9	1.446	2.341	14.5	21.2

242303 2003 WM_{58} 3 31.7 126.°52 2.°1/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.17	−14 3.9	2.341	3.082	14.0	21.1
3 2	13 0.59	−13 48.7	2.250	3.091	11.4	20.9
3 12	12 55.12	−13 17.2	2.182	3.100	8.4	20.7
3 22	12 48.23	−12 31.0	2.138	3.108	5.0	20.5
4 1	12 40.60	−11 33.3	2.123	3.117	2.3	20.4
4 11	12 33.05	−10 29.2	2.137	3.125	3.7	20.5
4 21	12 26.33	− 9 24.6	2.179	3.133	6.9	20.7
5 1	12 21.06	− 8 25.1	2.248	3.140	10.1	20.9

501437 2014 AA_{19} 3 31.7 48.°16 1.°0/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.67	− 3 51.7	2.002	2.793	14.4	21.6
3 2	13 0.42	− 3 24.3	1.925	2.804	11.3	21.5
3 12	12 55.09	− 2 45.6	1.870	2.815	7.7	21.3
3 22	12 48.23	− 1 59.6	1.841	2.826	3.8	21.0
4 1	12 40.60	− 1 11.4	1.840	2.838	1.2	20.9
4 11	12 33.11	− 0 26.9	1.867	2.850	4.8	21.1
4 21	12 26.58	+ 0 9.0	1.921	2.862	8.6	21.4
5 1	12 21.68	+ 0 32.5	1.999	2.874	11.9	21.6

293486 2007 FA_{28} 3 31.7 258.°41 3.°1/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.86	−21 24.0	4.692	5.356	8.4	20.3
3 2	12 57.09	−21 48.2	4.575	5.351	7.1	20.2
3 12	12 52.28	−22 3.3	4.482	5.346	5.7	20.1
3 22	12 46.69	−22 8.9	4.414	5.341	4.3	19.9
4 1	12 40.66	−22 5.5	4.375	5.336	3.2	19.9
4 11	12 34.59	−21 54.3	4.365	5.331	3.2	19.9
4 21	12 28.86	−21 37.0	4.386	5.326	4.2	19.9
5 1	12 23.83	−21 16.1	4.434	5.320	5.7	20.0

19530 1999 GQ_{23} 3 31.7 278.°54 1.°8/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.14	−10 43.1	1.650	2.424	17.7	18.4
3 2	13 4.26	−10 43.1	1.535	2.399	14.6	18.1
3 12	12 58.54	−10 24.5	1.441	2.374	10.6	17.8
3 22	12 50.34	− 9 47.4	1.369	2.348	6.1	17.5
4 1	12 40.52	− 8 54.8	1.323	2.321	1.9	17.2
4 11	12 30.31	− 7 53.3	1.305	2.294	5.2	17.3
4 21	12 21.03	− 6 51.0	1.311	2.267	10.3	17.5
5 1	12 13.84	− 5 56.4	1.342	2.240	15.1	17.7

40883 1999 TB_{126} 3 31.7 272.°83 0.°1/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.91	− 6 18.2	1.983	2.762	14.9	19.5
3 2	13 2.45	− 6 9.1	1.883	2.753	12.0	19.3
3 12	12 56.72	− 5 47.3	1.805	2.744	8.4	19.1
3 22	12 49.17	− 5 15.2	1.752	2.735	4.3	18.8
4 1	12 40.58	− 4 36.7	1.727	2.726	0.1	18.4
4 11	12 31.92	− 3 57.3	1.730	2.717	4.5	18.8
4 21	12 24.16	− 3 22.4	1.760	2.708	8.8	19.0
5 1	12 18.11	− 2 57.0	1.815	2.699	12.5	19.2

373139 2011 YA_{56} 3 31.7 34.°68 3.°7/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.85	+ 1 3.6	1.358	2.182	18.3	20.7
3 2	13 3.14	+ 1 47.5	1.291	2.189	14.3	20.5
3 12	12 57.49	+ 2 42.8	1.245	2.197	9.8	20.2
3 22	12 49.60	+ 3 42.2	1.221	2.206	5.3	20.0
4 1	12 40.56	+ 4 36.9	1.223	2.215	4.1	19.9
4 11	12 31.77	+ 5 18.0	1.250	2.225	8.0	20.2
4 21	12 24.42	+ 5 39.9	1.300	2.235	12.5	20.5
5 1	12 19.42	+ 5 40.1	1.372	2.245	16.5	20.7

500283 2012 PF_{14} 3 31.7 306.°44 2.°3/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.87	− 4 20.4	1.892	2.692	14.8	20.4
3 2	12 57.75	− 2 55.9	1.797	2.684	11.6	20.1
3 12	12 53.48	− 1 13.7	1.726	2.675	7.8	19.9
3 22	12 47.53	+ 0 40.1	1.680	2.666	3.9	19.6
4 1	12 40.64	+ 2 37.0	1.663	2.658	2.7	19.5
4 11	12 33.74	+ 4 26.9	1.675	2.649	6.3	19.7
4 21	12 27.72	+ 6 1.2	1.713	2.641	10.4	19.9
5 1	12 23.33	+ 7 14.0	1.775	2.633	14.0	20.1

460153 2014 PR_{69} 3 31.7 189.°77 3.°6/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.01	+ 2 9.9	1.991	2.787	14.3	21.8
3 2	13 4.76	+ 3 8.8	1.904	2.786	11.3	21.6
3 12	12 58.20	+ 4 16.7	1.839	2.784	7.8	21.4
3 22	12 49.86	+ 5 27.6	1.801	2.782	4.5	21.2
4 1	12 40.56	+ 6 34.3	1.791	2.779	4.0	21.1
4 11	12 31.31	+ 7 29.7	1.811	2.775	7.0	21.3
4 21	12 23.05	+ 8 8.5	1.857	2.770	10.6	21.5
5 1	12 16.56	+ 8 28.1	1.926	2.764	13.9	21.7

301167 2008 YR_{65} 3 31.7 349.°31 2.°9/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.40	−12 1.9	1.910	2.672	16.0	19.7
3 2	13 2.20	−12 33.8	1.814	2.667	13.2	19.5
3 12	12 56.63	−12 51.4	1.739	2.662	9.8	19.3
3 22	12 49.16	−12 54.5	1.687	2.658	6.1	19.0
4 1	12 40.59	−12 44.6	1.662	2.655	3.1	18.8
4 11	12 31.95	−12 25.3	1.664	2.652	4.6	18.9
4 21	12 24.26	−12 1.6	1.693	2.650	8.3	19.1
5 1	12 18.36	−11 39.1	1.746	2.649	12.0	19.3

109257 2001 QR_{105} 3 31.7 140.°69 0.°3/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.68	− 8 32.6	2.303	3.063	13.7	21.0
3 2	13 2.51	− 8 2.4	2.217	3.075	10.9	20.9
3 12	12 56.41	− 7 18.7	2.154	3.087	7.6	20.7
3 22	12 48.87	− 6 24.3	2.117	3.098	3.9	20.4
4 1	12 40.61	− 5 23.7	2.109	3.108	0.3	20.2
4 11	12 32.46	− 4 22.3	2.131	3.118	3.9	20.5
4 21	12 25.19	− 3 25.9	2.182	3.127	7.5	20.7
5 1	12 19.43	− 2 39.0	2.259	3.136	10.7	20.9

115584 2003 UE_{95} 3 31.7 205.°58 2.°1/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.30	+ 0 4.2	2.595	3.378	11.7	21.1
3 2	13 1.29	+ 0 45.0	2.497	3.373	9.2	20.9
3 12	12 55.53	+ 1 33.3	2.423	3.367	6.3	20.7
3 22	12 48.44	+ 2 25.5	2.377	3.360	3.3	20.5
4 1	12 40.63	+ 3 16.7	2.361	3.354	2.3	20.5
4 11	12 32.82	+ 4 2.0	2.374	3.346	5.0	20.6
4 21	12 25.71	+ 4 37.4	2.416	3.338	8.1	20.8
5 1	12 19.88	+ 5 0.1	2.483	3.330	10.9	21.0

210542 1999 RG_{57} 3 31.7 240.°89 0.°9/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.11	− 8 38.7	1.936	2.702	15.7	21.2
3 2	13 5.18	− 8 33.1	1.827	2.688	12.7	20.9
3 12	12 58.75	− 8 12.7	1.740	2.673	9.1	20.6
3 22	12 50.28	− 7 39.0	1.678	2.658	4.9	20.4
4 1	12 40.56	− 6 55.3	1.643	2.641	0.9	20.0
4 11	12 30.67	− 6 7.5	1.637	2.625	4.6	20.3
4 21	12 21.67	− 5 21.7	1.658	2.608	9.1	20.5
5 1	12 14.51	− 4 44.0	1.704	2.590	13.1	20.7

393504 2002 RC_{139} 3 31.7 194.°67 3.°7/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 12.30	+ 2 25.4	1.857	2.650	15.3	22.1
3 2	13 7.56	+ 3 13.3	1.768	2.648	12.1	21.9
3 12	13 0.27	+ 4 10.0	1.701	2.645	8.4	21.6
3 22	12 50.96	+ 5 9.5	1.660	2.641	4.8	21.4
4 1	12 40.54	+ 6 4.5	1.647	2.636	4.0	21.4
4 11	12 30.15	+ 6 48.0	1.663	2.630	7.3	21.5
4 21	12 20.87	+ 7 15.0	1.706	2.623	11.2	21.7
5 1	12 13.56	+ 7 22.7	1.772	2.615	14.7	22.0

333607 2007 LY 3 31.7 319.°12 5.°5/25.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.06	+ 4 52.8	1.700	2.526	15.1	20.8
3 2	12 58.96	+ 6 20.1	1.616	2.515	11.9	20.6
3 12	12 54.47	+ 7 57.3	1.555	2.505	8.4	20.3
3 22	12 48.08	+ 9 36.1	1.518	2.495	5.8	20.2
4 1	12 40.64	+11 6.4	1.509	2.486	6.2	20.2
4 11	12 33.20	+12 18.7	1.525	2.477	9.3	20.3
4 21	12 26.78	+13 6.8	1.566	2.468	12.9	20.5
5 1	12 22.18	+13 28.1	1.627	2.460	16.3	20.7

401071 2011 UH_{80} 3 31.7 247.°21 1.°4/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.89	−10 43.9	1.811	2.575	16.7	22.8
3 2	13 5.28	−10 32.4	1.699	2.557	13.7	22.6
3 12	12 59.01	−10 2.6	1.607	2.538	9.9	22.3
3 22	12 50.49	− 9 15.4	1.540	2.518	5.5	22.0
4 1	12 40.56	− 8 14.3	1.499	2.497	1.5	21.7
4 11	12 30.37	− 7 6.1	1.486	2.475	4.8	21.8
4 21	12 21.10	− 5 58.6	1.501	2.453	9.6	22.1
5 1	12 13.79	− 4 59.7	1.540	2.430	14.0	22.3

56436 2000 GZ_{46} 3 31.7 226.°25 0.°8/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.69	−10 14.3	1.871	2.637	16.2	19.1
3 2	13 4.11	− 9 45.9	1.766	2.626	13.1	18.9
3 12	12 58.03	− 8 58.7	1.682	2.615	9.4	18.6
3 22	12 49.91	− 7 54.7	1.622	2.602	5.0	18.3
4 1	12 40.58	− 6 38.7	1.590	2.589	0.8	18.0
4 11	12 31.14	− 5 18.1	1.586	2.575	4.7	18.3
4 21	12 22.64	− 4 1.3	1.611	2.560	9.3	18.5
5 1	12 16.02	− 2 55.6	1.659	2.544	13.5	18.7

229573 2006 AX_{77} 3 31.7 30.°03 5.°4/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.54	+ 6 17.7	1.803	2.622	14.6	20.1
3 2	13 0.63	+ 7 33.9	1.730	2.624	11.5	19.9
3 12	12 55.43	+ 8 56.4	1.679	2.627	8.2	19.7
3 22	12 48.48	+10 17.2	1.654	2.629	5.7	19.5
4 1	12 40.64	+11 27.6	1.656	2.632	6.0	19.6
4 11	12 32.92	+12 20.2	1.685	2.634	8.7	19.7
4 21	12 26.25	+12 50.6	1.738	2.637	12.0	19.9
5 1	12 21.37	+12 57.3	1.813	2.640	15.1	20.1

119698 2001 XA_{155} 3 31.7 44.°36 1.°0/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.31	− 5 2.6	1.558	2.361	17.3	19.7
3 2	13 1.53	− 4 29.6	1.489	2.374	13.6	19.5
3 12	12 56.17	− 3 41.2	1.440	2.387	9.3	19.3
3 22	12 48.88	− 2 42.1	1.415	2.401	4.5	19.1
4 1	12 40.63	− 1 39.4	1.417	2.415	1.2	18.8
4 11	12 32.60	− 0 41.3	1.445	2.430	5.6	19.2
4 21	12 25.83	+ 0 5.5	1.498	2.445	10.1	19.5
5 1	12 21.09	+ 0 36.2	1.575	2.460	14.0	19.7

192991 2000 DG_{78} 3 31.7 93.°77 0.°0/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.94	− 8 20.8	1.426	2.220	19.0	20.4
3 2	13 3.94	− 7 47.0	1.352	2.230	15.2	20.1
3 12	12 58.05	− 6 52.4	1.298	2.240	10.6	19.9
3 22	12 49.90	− 5 41.3	1.266	2.250	5.3	19.6
4 1	12 40.59	− 4 21.2	1.261	2.260	0.2	19.2
4 11	12 31.48	− 3 1.9	1.282	2.270	5.6	19.7
4 21	12 23.76	− 1 52.7	1.328	2.279	10.7	20.0
5 1	12 18.37	− 1 0.7	1.396	2.288	15.1	20.3

419885 2011 AG_{42} 3 31.7 27.°38 0.°7/31.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.22	− 4 31.1	1.491	2.297	17.8	21.5
3 2	13 2.44	− 4 17.9	1.418	2.304	14.1	21.3
3 12	12 56.93	− 3 50.3	1.365	2.312	9.7	21.0
3 22	12 49.32	− 3 12.4	1.335	2.320	4.8	20.8
4 1	12 40.61	− 2 30.0	1.331	2.330	0.9	20.5
4 11	12 32.08	− 1 50.5	1.353	2.339	5.6	20.9
4 21	12 24.84	− 1 20.2	1.399	2.349	10.4	21.1
5 1	12 19.77	− 1 3.9	1.469	2.360	14.5	21.4

481949 2009 DV_9 3 31.7 82.°99 11.°7/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 23.64	−21 43.1	1.168	1.899	25.8	20.9
3 2	13 18.77	−24 12.0	1.099	1.913	22.5	20.7
3 12	13 9.41	−26 19.5	1.046	1.926	18.6	20.5
3 22	12 56.10	−27 54.8	1.011	1.940	14.8	20.3
4 1	12 40.37	−28 48.9	0.999	1.954	12.1	20.2
4 11	12 24.54	−29 0.5	1.010	1.967	12.1	20.2
4 21	12 10.86	−28 37.1	1.044	1.981	14.5	20.4
5 1	12 1.02	−27 52.6	1.098	1.994	17.9	20.6

269801 1999 VC_{42} 3 31.7 225.°33 1.°7/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.98	−11 51.2	2.248	3.000	14.2	21.6
3 2	13 1.45	−11 41.0	2.144	2.994	11.6	21.3
3 12	12 55.89	−11 15.5	2.062	2.987	8.4	21.1
3 22	12 48.72	−10 36.0	2.005	2.980	4.8	20.9
4 1	12 40.64	− 9 45.5	1.976	2.972	1.8	20.7
4 11	12 32.51	− 8 49.1	1.976	2.965	3.8	20.8
4 21	12 25.18	− 7 52.5	2.004	2.957	7.5	21.0
5 1	12 19.35	− 7 1.5	2.058	2.948	11.0	21.2

502775 2015 DB_{89} 3 31.7 94.°66 0.°1/31.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.54	− 6 12.7	1.986	2.767	14.9	22.0
3 2	13 2.02	− 5 55.5	1.900	2.771	11.8	21.8
3 12	12 56.31	− 5 25.4	1.835	2.775	8.2	21.6
3 22	12 48.92	− 4 45.3	1.795	2.778	4.1	21.4
4 1	12 40.64	− 3 59.7	1.783	2.782	0.2	21.0
4 11	12 32.43	− 3 14.6	1.800	2.786	4.5	21.4
4 21	12 25.19	− 2 35.3	1.843	2.790	8.5	21.6
5 1	12 19.63	− 2 6.4	1.911	2.794	12.1	21.9

311280 2005 EC_{261} 3 31.7 347.°56 3.°7/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.25	− 0 24.2	1.337	2.166	18.2	20.6
3 2	13 0.53	+ 0 32.2	1.260	2.161	14.3	20.3
3 12	12 55.89	+ 1 43.9	1.202	2.157	9.8	20.0
3 22	12 48.91	+ 3 3.7	1.168	2.153	5.3	19.7
4 1	12 40.64	+ 4 21.3	1.158	2.150	4.1	19.7
4 11	12 32.43	+ 5 26.2	1.173	2.148	8.3	19.9
4 21	12 25.54	+ 6 10.3	1.211	2.147	13.0	20.1
5 1	12 20.95	+ 6 29.3	1.269	2.146	17.3	20.4

230668 2003 SC_{201} 3 31.7 248.°53 0.°7/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.67	− 7 43.5	2.053	2.824	14.8	21.0
3 2	13 2.94	− 7 43.4	1.957	2.821	11.9	20.8
3 12	12 56.99	− 7 30.6	1.883	2.818	8.4	20.6
3 22	12 49.30	− 7 7.0	1.834	2.815	4.5	20.4
4 1	12 40.64	− 6 35.9	1.813	2.812	0.7	20.1
4 11	12 31.96	− 6 2.2	1.820	2.808	4.2	20.3
4 21	12 24.18	− 5 30.8	1.855	2.805	8.2	20.6
5 1	12 18.08	− 5 6.6	1.914	2.802	11.8	20.8

357171 2002 CP_{311} 3 31.7 39.°85 1.°8/30.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.41	− 5 11.6	1.380	2.193	18.6	21.3
3 2	13 1.26	− 4 15.5	1.306	2.198	14.7	21.0
3 12	12 56.26	− 2 59.7	1.252	2.203	10.0	20.8
3 22	12 49.04	− 1 30.3	1.222	2.208	4.9	20.5
4 1	12 40.65	+ 0 3.0	1.217	2.214	2.1	20.3
4 11	12 32.41	+ 1 29.1	1.237	2.220	6.8	20.6
4 21	12 25.52	+ 2 38.6	1.283	2.227	11.7	20.9
5 1	12 20.88	+ 3 25.6	1.349	2.233	16.0	21.2

498445 2008 AJ_{116} 3 31.7 93.°47 3.°3/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.08	−16 8.0	2.421	3.147	14.0	21.6
3 2	13 1.35	−16 24.9	2.326	3.152	11.6	21.4
3 12	12 55.70	−16 26.8	2.252	3.157	8.8	21.3
3 22	12 48.58	−16 13.7	2.202	3.162	5.8	21.1
4 1	12 40.67	−15 47.0	2.181	3.167	3.5	20.9
4 11	12 32.76	−15 10.4	2.187	3.171	4.1	21.0
4 21	12 25.65	−14 28.6	2.222	3.176	6.8	21.2
5 1	12 19.97	−13 46.6	2.284	3.181	9.8	21.3

84045 2002 PN_{58} 3 31.7 184.°44 0.°0/31.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.13	− 6 57.8	2.164	2.930	14.2	20.6
3 2	13 3.91	− 6 34.4	2.068	2.931	11.4	20.4
3 12	12 57.56	− 5 57.8	1.995	2.931	7.9	20.2
3 22	12 49.55	− 5 10.9	1.947	2.930	4.0	19.9
4 1	12 40.64	− 4 17.9	1.929	2.928	0.1	19.6
4 11	12 31.74	− 3 24.5	1.940	2.926	4.3	20.0
4 21	12 23.74	− 2 36.5	1.979	2.923	8.2	20.2
5 1	12 17.35	− 1 58.5	2.044	2.920	11.7	20.4

471368 2011 SE_{62} 3 31.7 251.°72 2.°5/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.63	−15 10.8	2.632	3.360	12.9	21.8
3 2	13 0.16	−15 7.4	2.515	3.345	10.7	21.6
3 12	12 54.90	−14 49.3	2.419	3.330	8.0	21.4
3 22	12 48.21	−14 16.8	2.349	3.314	5.1	21.2
4 1	12 40.68	−13 31.8	2.308	3.298	2.7	21.0
4 11	12 33.06	−12 38.2	2.295	3.282	3.6	21.0
4 21	12 26.06	−11 41.0	2.312	3.266	6.6	21.2
5 1	12 20.34	−10 45.3	2.355	3.249	9.6	21.4

65998 1998 MX_{40} 3 31.7 225.°24 3.°8/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.89	+ 5 31.9	2.521	3.315	11.7	20.1
3 2	13 1.86	+ 6 25.2	2.423	3.304	9.2	19.9
3 12	12 56.00	+ 7 23.6	2.351	3.293	6.5	19.7
3 22	12 48.72	+ 8 21.9	2.305	3.281	4.2	19.6
4 1	12 40.67	+ 9 14.5	2.289	3.268	4.2	19.5
4 11	12 32.59	+ 9 56.3	2.302	3.255	6.5	19.7
4 21	12 25.23	+10 23.6	2.343	3.242	9.4	19.8
5 1	12 19.20	+10 34.4	2.408	3.227	12.1	20.0

31567 1999 FG_{10} 3 31.7 28.°76 1.°2/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.70	− 5 22.6	1.523	2.329	17.5	18.6
3 2	13 0.41	− 4 41.3	1.448	2.335	13.8	18.3
3 12	12 55.51	− 3 42.9	1.394	2.342	9.4	18.1
3 22	12 48.61	− 2 32.5	1.363	2.349	4.6	17.8
4 1	12 40.67	− 1 17.7	1.358	2.356	1.4	17.6
4 11	12 32.88	− 0 7.7	1.379	2.364	5.9	17.9
4 21	12 26.30	+ 0 49.8	1.426	2.373	10.5	18.2
5 1	12 21.78	+ 1 29.2	1.495	2.381	14.6	18.5

508624 2017 SU_{40} 3 31.7 225.°25 3.°5/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.60	+ 3 54.2	2.385	3.187	12.0	21.1
3 2	12 59.32	+ 4 51.0	2.299	3.185	9.4	20.9
3 12	12 54.25	+ 5 53.9	2.237	3.183	6.5	20.8
3 22	12 47.83	+ 6 57.6	2.201	3.180	4.0	20.6
4 1	12 40.70	+ 7 56.3	2.195	3.178	3.9	20.6
4 11	12 33.62	+ 8 44.6	2.217	3.176	6.3	20.7
4 21	12 27.29	+ 9 18.4	2.266	3.173	9.3	20.9
5 1	12 22.31	+ 9 35.6	2.339	3.170	12.0	21.1

437681 2014 DX_1 3 31.7 241.°33 4.°7/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.43	−20 48.1	2.474	3.174	14.3	21.2
3 2	13 0.95	−21 9.5	2.367	3.170	12.2	21.0
3 12	12 55.52	−21 13.8	2.281	3.165	9.7	20.8
3 22	12 48.55	−21 0.1	2.218	3.160	7.1	20.6
4 1	12 40.69	−20 28.9	2.182	3.155	5.0	20.5
4 11	12 32.77	−19 43.3	2.174	3.150	5.0	20.5
4 21	12 25.58	−18 48.3	2.194	3.144	7.1	20.6
5 1	12 19.82	−17 49.7	2.240	3.139	9.8	20.8

146668 2001 UG_{168} 3 31.7 179.°81 3.°5/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.29	−17 35.2	2.587	3.292	13.7	20.7
3 2	13 4.57	−17 49.7	2.482	3.294	11.4	20.6
3 12	12 57.90	−17 49.1	2.399	3.295	8.8	20.4
3 22	12 49.71	−17 32.9	2.342	3.295	6.0	20.2
4 1	12 40.66	−17 2.4	2.312	3.295	3.8	20.1
4 11	12 31.59	−16 20.7	2.313	3.294	4.2	20.1
4 21	12 23.28	−15 32.7	2.342	3.292	6.8	20.2
5 1	12 16.41	−14 43.5	2.399	3.289	9.6	20.4

55345 2001 SL_{138} 3 31.7 138.°55 0.°5/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.24	− 7 57.2	1.935	2.708	15.5	20.4
3 2	13 3.45	− 7 44.5	1.848	2.713	12.4	20.2
3 12	12 57.35	− 7 17.5	1.782	2.718	8.7	20.0
3 22	12 49.48	− 6 38.6	1.742	2.723	4.5	19.8
4 1	12 40.67	− 5 52.1	1.729	2.728	0.5	19.5
4 11	12 31.93	− 5 3.9	1.744	2.732	4.4	19.8
4 21	12 24.20	− 4 20.0	1.787	2.736	8.5	20.0
5 1	12 18.26	− 3 45.4	1.854	2.740	12.2	20.3

76685 2000 HA_{72} 3 31.7 33.°65 1.°0/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.29	− 3 53.5	1.969	2.760	14.6	19.7
3 2	13 1.05	− 3 31.1	1.886	2.764	11.5	19.5
3 12	12 55.65	− 2 57.3	1.824	2.768	7.9	19.3
3 22	12 48.61	− 2 15.7	1.788	2.773	3.9	19.0
4 1	12 40.71	− 1 31.4	1.779	2.778	1.1	18.8
4 11	12 32.90	− 0 50.1	1.799	2.783	4.9	19.1
4 21	12 26.04	− 0 16.9	1.845	2.788	8.8	19.4
5 1	12 20.85	+ 0 4.2	1.915	2.793	12.3	19.6

481483 2007 CQ_{27} 3 31.7 143.°21 1.°6/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.09	− 3 10.1	1.894	2.686	15.1	21.7
3 2	13 2.56	− 2 32.0	1.810	2.690	11.9	21.5
3 12	12 56.74	− 1 41.6	1.749	2.694	8.1	21.2
3 22	12 49.18	− 0 43.3	1.712	2.697	4.0	21.0
4 1	12 40.70	+ 0 16.7	1.704	2.701	1.8	20.8
4 11	12 32.31	+ 1 11.5	1.724	2.704	5.5	21.1
4 21	12 24.94	+ 1 55.3	1.770	2.707	9.5	21.3
5 1	12 19.33	+ 2 24.1	1.841	2.710	13.1	21.6

420935 2013 OB_7 3 31.7 99.°65 1.°8/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.56	− 4 15.0	2.058	2.844	14.2	21.7
3 2	13 1.00	− 3 4.0	1.987	2.864	11.1	21.6
3 12	12 55.44	− 1 39.9	1.938	2.883	7.5	21.4
3 22	12 48.43	− 0 8.2	1.917	2.902	3.7	21.2
4 1	12 40.73	+ 1 23.7	1.925	2.921	2.0	21.1
4 11	12 33.23	+ 2 48.2	1.962	2.939	5.3	21.3
4 21	12 26.71	+ 3 59.2	2.027	2.957	8.9	21.6
5 1	12 21.78	+ 4 52.6	2.117	2.974	12.1	21.8

214193 2005 EC_{22} 3 31.7 346.°39 1.°1/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.76	− 7 58.3	1.283	2.093	19.9	20.2
3 2	13 2.01	− 8 7.4	1.200	2.086	16.1	20.0
3 12	12 57.14	− 7 57.8	1.135	2.080	11.5	19.7
3 22	12 49.68	− 7 31.4	1.091	2.074	6.2	19.4
4 1	12 40.68	− 6 52.7	1.071	2.070	1.1	19.0
4 11	12 31.64	− 6 9.5	1.076	2.067	5.7	19.3
4 21	12 23.96	− 5 30.2	1.103	2.064	11.2	19.6
5 1	12 18.78	− 5 2.3	1.152	2.062	16.1	19.9

522072 2015 XA_{419} 3 31.7 314.°63 6.°9/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.35	−23 10.8	1.581	2.309	20.2	21.5
3 2	13 1.36	−23 37.1	1.485	2.303	17.4	21.3
3 12	12 56.52	−23 35.9	1.407	2.297	14.1	21.0
3 22	12 49.31	−23 3.9	1.348	2.291	10.5	20.8
4 1	12 40.70	−22 1.3	1.312	2.285	7.6	20.6
4 11	12 31.98	−20 33.2	1.302	2.280	7.2	20.6
4 21	12 24.44	−18 49.5	1.316	2.275	10.0	20.7
5 1	12 19.13	−17 2.4	1.354	2.270	13.7	20.9

61234 2000 OR_{15} 3 31.7 318.°39 1.°8/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.83	− 9 58.3	1.265	2.071	20.4	18.5
3 2	13 1.52	−10 5.7	1.171	2.054	16.7	18.2
3 12	12 57.01	− 9 51.6	1.095	2.037	12.1	17.9
3 22	12 49.73	− 9 16.5	1.040	2.021	6.8	17.5
4 1	12 40.68	− 8 24.2	1.007	2.005	1.9	17.2
4 11	12 31.37	− 7 23.2	0.999	1.991	5.9	17.4
4 21	12 23.33	− 6 23.4	1.014	1.977	11.7	17.6
5 1	12 17.84	− 5 34.8	1.049	1.964	17.0	17.9

502164 2015 BQ_{58} 3 31.7 47.°46 1.°0/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.42	− 8 31.6	1.816	2.593	16.2	21.5
3 2	13 2.98	− 8 32.1	1.731	2.598	13.0	21.3
3 12	12 57.14	− 8 18.0	1.667	2.603	9.2	21.1
3 22	12 49.42	− 7 51.2	1.628	2.608	5.0	20.9
4 1	12 40.70	− 7 15.4	1.615	2.613	1.1	20.6
4 11	12 32.06	− 6 36.3	1.630	2.619	4.4	20.8
4 21	12 24.48	− 5 59.8	1.671	2.625	8.7	21.1
5 1	12 18.77	− 5 31.3	1.737	2.630	12.5	21.3

331205 2011 BR_{31} 3 31.7 289.°18 4.°0/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.62	+ 2 30.8	1.773	2.585	15.1	20.7
3 2	13 1.80	+ 3 24.8	1.675	2.566	12.0	20.5
3 12	12 56.51	+ 4 29.2	1.598	2.548	8.3	20.2
3 22	12 49.21	+ 5 37.8	1.547	2.529	4.9	20.0
4 1	12 40.71	+ 6 42.6	1.523	2.511	4.5	19.9
4 11	12 32.09	+ 7 35.6	1.526	2.492	7.8	20.1
4 21	12 24.42	+ 8 10.6	1.553	2.474	11.8	20.2
5 1	12 18.61	+ 8 24.1	1.603	2.455	15.6	20.4

344225 2001 RU_{122} 3 31.7 179.°40 0.°6/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.66	− 4 57.7	2.843	3.610	11.2	22.1
3 2	12 59.84	− 4 25.3	2.747	3.611	8.8	21.9
3 12	12 54.46	− 3 43.6	2.674	3.612	6.0	21.7
3 22	12 47.92	− 2 55.3	2.629	3.613	3.0	21.5
4 1	12 40.76	− 2 4.2	2.614	3.613	0.7	21.3
4 11	12 33.64	− 1 14.6	2.629	3.612	3.6	21.5
4 21	12 27.15	− 0 30.7	2.674	3.611	6.7	21.7
5 1	12 21.81	+ 0 4.4	2.745	3.610	9.4	21.9

103096 1999 XM_{167} 3 31.7 151.°60 1.°8/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.91	− 1 37.1	2.047	2.830	14.4	20.1
3 2	13 5.32	− 1 5.8	1.965	2.839	11.3	19.9
3 12	12 58.51	− 0 24.9	1.904	2.847	7.7	19.7
3 22	12 50.03	+ 0 21.6	1.871	2.855	3.9	19.5
4 1	12 40.70	+ 1 8.2	1.866	2.862	2.0	19.4
4 11	12 31.48	+ 1 49.0	1.890	2.868	5.4	19.6
4 21	12 23.28	+ 2 19.5	1.942	2.874	9.1	19.8
5 1	12 16.82	+ 2 36.3	2.018	2.878	12.5	20.1

291641 2006 HL_{31} 3 31.7 334.°96 0.°5/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.60	− 9 20.2	1.361	2.164	19.4	20.1
3 2	13 0.88	− 8 54.3	1.276	2.158	15.6	19.9
3 12	12 56.22	− 8 5.5	1.210	2.153	11.0	19.6
3 22	12 49.16	− 6 56.8	1.165	2.149	5.8	19.3
4 1	12 40.72	− 5 34.9	1.145	2.144	0.5	18.9
4 11	12 32.26	− 4 10.3	1.151	2.141	5.7	19.2
4 21	12 25.09	− 2 53.4	1.181	2.137	11.1	19.5
5 1	12 20.25	− 1 53.1	1.232	2.135	15.9	19.8

374307 2005 SB_{164} 3 31.7 209.°66 2.°0/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.41	− 0 27.5	2.543	3.321	12.0	23.0
3 2	13 3.04	+ 0 15.1	2.441	3.313	9.5	22.8
3 12	12 56.82	+ 1 6.0	2.362	3.305	6.5	22.6
3 22	12 49.18	+ 2 1.6	2.312	3.295	3.4	22.3
4 1	12 40.73	+ 2 56.7	2.291	3.284	2.3	22.2
4 11	12 32.26	+ 3 46.2	2.300	3.273	5.1	22.4
4 21	12 24.49	+ 4 25.8	2.339	3.261	8.3	22.6
5 1	12 18.08	+ 4 52.3	2.402	3.248	11.3	22.8

147296 2003 AS_{54} 3 31.7 124.°46 1.°3/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.20	− 3 24.3	2.004	2.787	14.7	20.8
3 2	13 4.00	− 2 53.7	1.925	2.799	11.5	20.6
3 12	12 57.61	− 2 12.0	1.869	2.811	7.9	20.4
3 22	12 49.57	− 1 23.2	1.839	2.823	3.9	20.1
4 1	12 40.72	− 0 32.7	1.837	2.834	1.4	20.0
4 11	12 32.03	+ 0 13.5	1.864	2.845	5.0	20.2
4 21	12 24.37	+ 0 50.3	1.918	2.856	8.9	20.5
5 1	12 18.43	+ 1 14.1	1.997	2.866	12.3	20.7

293829 2007 RC_{204} 3 31.7 275.°80 3.°2/ 3.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.75	−12 55.7	1.581	2.349	18.6	21.0
3 2	13 4.85	−13 14.9	1.476	2.333	15.4	20.7
3 12	12 59.00	−13 15.0	1.391	2.317	11.5	20.4
3 22	12 50.65	−12 55.3	1.327	2.300	7.1	20.1
4 1	12 40.68	−12 17.4	1.289	2.283	3.4	19.9
4 11	12 30.43	−11 26.9	1.277	2.267	5.4	19.9
4 21	12 21.25	−10 31.6	1.291	2.250	10.1	20.2
5 1	12 14.29	− 9 40.1	1.327	2.233	14.8	20.4

228033 2008 GZ_{40} 3 31.7 264.°39 3.°0/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.85	+ 1 4.1	1.964	2.762	14.4	21.1
3 2	13 3.32	+ 1 46.9	1.859	2.743	11.4	20.8
3 12	12 57.45	+ 2 39.5	1.777	2.724	7.9	20.6
3 22	12 49.66	+ 3 37.1	1.721	2.704	4.3	20.3
4 1	12 40.72	+ 4 33.1	1.692	2.684	3.4	20.2
4 11	12 31.65	+ 5 20.7	1.692	2.663	6.7	20.4
4 21	12 23.43	+ 5 54.1	1.718	2.642	10.6	20.6
5 1	12 16.93	+ 6 9.8	1.767	2.620	14.3	20.7

140802 2001 UM_{151} 3 31.7 132.°68 0.°5/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.24	− 9 4.3	2.718	3.473	11.9	20.7
3 2	12 59.56	− 8 37.2	2.628	3.483	9.5	20.5
3 12	12 54.28	− 7 58.4	2.562	3.493	6.7	20.4
3 22	12 47.83	− 7 10.3	2.523	3.503	3.5	20.2
4 1	12 40.79	− 6 16.4	2.513	3.512	0.5	19.9
4 11	12 33.82	− 5 21.2	2.533	3.521	3.3	20.2
4 21	12 27.54	− 4 29.2	2.583	3.530	6.4	20.4
5 1	12 22.49	− 3 44.4	2.659	3.538	9.2	20.6

403561 2010 LK_{81} 3 31.7 187.°74 0.°0/31.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 11.85	− 5 29.7	2.122	2.887	14.5	21.8
3 2	13 6.94	− 5 26.1	2.025	2.886	11.6	21.5
3 12	12 59.72	− 5 11.7	1.950	2.885	8.1	21.3
3 22	12 50.71	− 4 48.7	1.901	2.884	4.1	21.1
4 1	12 40.70	− 4 20.5	1.882	2.881	0.1	20.7
4 11	12 30.68	− 3 51.9	1.892	2.878	4.4	21.1
4 21	12 21.61	− 3 27.5	1.931	2.874	8.4	21.3
5 1	12 14.27	− 3 11.4	1.995	2.870	12.0	21.5

54866 2001 OO_{39} 3 31.7 261.°79 5.°3/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.76	+ 8 52.4	2.217	3.026	12.6	18.9
3 2	13 0.43	+ 9 58.9	2.134	3.022	10.0	18.7
3 12	12 55.14	+11 8.6	2.076	3.017	7.3	18.5
3 22	12 48.35	+12 15.0	2.044	3.012	5.4	18.4
4 1	12 40.78	+13 11.3	2.040	3.007	5.8	18.4
4 11	12 33.25	+13 51.8	2.063	3.002	8.1	18.5
4 21	12 26.56	+14 13.0	2.112	2.997	10.9	18.7
5 1	12 21.35	+14 13.9	2.183	2.992	13.5	18.9

168399 1998 DP_{12} 3 31.7 79.°17 0.°5/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.04	− 5 34.7	2.220	2.999	13.6	20.4
3 2	13 0.51	− 5 5.7	2.142	3.013	10.7	20.2
3 12	12 55.09	− 4 25.1	2.086	3.027	7.3	20.0
3 22	12 48.28	− 3 36.5	2.057	3.041	3.6	19.8
4 1	12 40.78	− 2 44.4	2.056	3.055	0.6	19.6
4 11	12 33.42	− 1 54.3	2.084	3.069	4.2	19.9
4 21	12 26.93	− 1 11.1	2.139	3.082	7.8	20.1
5 1	12 21.93	− 0 38.8	2.220	3.096	10.9	20.4

364067 2005 XK_{66} 3 31.7 190.°87 4.°8/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.78	+10 8.4	2.815	3.608	10.6	21.8
3 2	13 2.32	+11 23.7	2.729	3.606	8.5	21.6
3 12	12 56.18	+12 41.1	2.670	3.603	6.3	21.5
3 22	12 48.81	+13 55.0	2.638	3.599	4.9	21.4
4 1	12 40.77	+14 59.5	2.637	3.595	5.3	21.4
4 11	12 32.77	+15 49.8	2.666	3.589	7.2	21.5
4 21	12 25.44	+16 23.0	2.721	3.583	9.5	21.7
5 1	12 19.37	+16 37.9	2.800	3.576	11.7	21.8

369369 2009 UD_{57} 3 31.7 147.°41 1.°9/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.58	−13 18.1	2.237	2.981	14.5	21.5
3 2	13 1.85	−12 59.0	2.145	2.989	11.8	21.4
3 12	12 56.10	−12 23.2	2.075	2.996	8.6	21.2
3 22	12 48.83	−11 32.3	2.030	3.003	5.0	20.9
4 1	12 40.77	−10 30.0	2.014	3.009	2.0	20.7
4 11	12 32.77	− 9 21.8	2.027	3.015	3.8	20.9
4 21	12 25.65	− 8 14.0	2.068	3.021	7.3	21.1
5 1	12 20.07	− 7 12.7	2.135	3.026	10.6	21.3

342847 2008 YL_5 3 31.7 200.°50 5.°5/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.66	+10 52.7	2.382	3.186	12.0	20.6
3 2	13 1.75	+11 55.3	2.302	3.184	9.6	20.5
3 12	12 55.95	+12 59.1	2.246	3.181	7.2	20.3
3 22	12 48.73	+13 57.9	2.216	3.179	5.6	20.2
4 1	12 40.77	+14 45.6	2.215	3.175	6.0	20.2
4 11	12 32.89	+15 17.2	2.242	3.172	8.0	20.3
4 21	12 25.82	+15 30.0	2.294	3.168	10.6	20.5
5 1	12 20.19	+15 23.3	2.369	3.164	13.0	20.6

459001 2011 WW_{144} 3 31.7 97.°95 0.°1/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.55	− 7 24.5	1.651	2.433	17.4	22.3
3 2	13 5.53	− 7 5.1	1.579	2.450	13.8	22.1
3 12	12 58.89	− 6 29.5	1.528	2.467	9.6	21.9
3 22	12 50.29	− 5 41.3	1.501	2.484	4.9	21.7
4 1	12 40.73	− 4 46.0	1.501	2.500	0.2	21.3
4 11	12 31.40	− 3 51.2	1.529	2.516	5.0	21.7
4 21	12 23.37	− 3 3.5	1.583	2.532	9.5	22.0
5 1	12 17.45	− 2 28.3	1.661	2.547	13.4	22.3

338903 2004 CX_{128} 3 31.7 145.°36 1.°7/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.77	−11 2.8	2.444	3.190	13.4	21.1
3 2	13 2.61	−11 10.0	2.349	3.195	10.8	21.0
3 12	12 56.56	−11 4.8	2.277	3.199	7.9	20.8
3 22	12 49.06	−10 48.2	2.230	3.204	4.6	20.6
4 1	12 40.77	−10 22.6	2.212	3.208	1.8	20.4
4 11	12 32.52	− 9 51.7	2.223	3.212	3.6	20.5
4 21	12 25.05	− 9 19.7	2.264	3.215	6.8	20.7
5 1	12 19.00	− 8 51.0	2.330	3.219	9.9	20.9

210139 2006 SY_{33} 3 31.7 253.°04 2.°6/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.80	−13 31.9	2.407	3.145	13.7	20.7
3 2	13 2.04	−13 45.9	2.300	3.137	11.3	20.5
3 12	12 56.29	−13 46.3	2.214	3.128	8.5	20.3
3 22	12 48.99	−13 33.2	2.153	3.120	5.3	20.1
4 1	12 40.77	−13 8.3	2.120	3.111	2.8	19.9
4 11	12 32.48	−12 35.1	2.116	3.103	3.9	19.9
4 21	12 24.90	−11 58.1	2.140	3.094	7.1	20.1
5 1	12 18.76	−11 22.3	2.191	3.085	10.2	20.3

27961 1997 SU_1 3 31.7 172.°08 0.°2/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.67	− 6 58.8	2.191	2.960	14.0	20.4
3 2	13 2.73	− 6 27.8	2.099	2.963	11.2	20.2
3 12	12 56.74	− 5 43.4	2.029	2.966	7.7	19.9
3 22	12 49.17	− 4 48.6	1.985	2.968	3.9	19.7
4 1	12 40.77	− 3 48.2	1.970	2.970	0.3	19.4
4 11	12 32.42	− 2 48.2	1.985	2.971	4.3	19.7
4 21	12 24.94	− 1 54.3	2.028	2.971	8.1	20.0
5 1	12 19.03	− 1 11.3	2.096	2.971	11.5	20.2

158060 2000 TO_{12} 3 31.7 139.°01 2.°4/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.40	− 0 43.4	2.251	3.040	13.1	21.2
3 2	13 1.57	+ 0 13.8	2.172	3.051	10.2	21.1
3 12	12 55.82	+ 1 20.3	2.116	3.061	6.9	20.9
3 22	12 48.66	+ 2 31.2	2.087	3.070	3.6	20.7
4 1	12 40.79	+ 3 40.5	2.087	3.079	2.7	20.6
4 11	12 33.05	+ 4 41.8	2.116	3.088	5.5	20.8
4 21	12 26.17	+ 5 30.4	2.174	3.096	8.8	21.0
5 1	12 20.78	+ 6 3.2	2.256	3.103	11.8	21.2

315265 2007 TL_{48} 3 31.7 172.°93 0.°6/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.33	− 8 51.7	2.040	2.801	15.2	21.9
3 2	13 5.03	− 8 32.9	1.947	2.805	12.2	21.7
3 12	12 58.44	− 7 59.2	1.875	2.808	8.6	21.5
3 22	12 50.08	− 7 12.8	1.830	2.810	4.5	21.3
4 1	12 40.75	− 6 18.0	1.813	2.812	0.6	21.0
4 11	12 31.47	− 5 20.9	1.825	2.812	4.3	21.2
4 21	12 23.16	− 4 27.6	1.865	2.812	8.4	21.5
5 1	12 16.61	− 3 43.6	1.930	2.812	12.0	21.7

364178 2006 KB_{92} 3 31.7 244.°00 1.°1/30.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.56	− 4 58.9	1.925	2.707	15.2	22.5
3 2	13 3.97	− 4 22.5	1.818	2.691	12.2	22.3
3 12	12 57.95	− 3 31.3	1.732	2.674	8.4	22.0
3 22	12 49.95	− 2 28.7	1.672	2.657	4.2	21.7
4 1	12 40.76	− 1 20.5	1.640	2.639	1.2	21.5
4 11	12 31.40	− 0 14.1	1.637	2.620	5.4	21.7
4 21	12 22.93	+ 0 43.6	1.661	2.600	9.8	21.9
5 1	12 16.24	+ 1 26.8	1.708	2.580	13.8	22.1

169231 2001 SO_{17} 3 31.7 33.°21 0.°3/ 1.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.20	− 5 25.4	2.002	2.779	14.9	19.5
3 2	13 4.12	− 5 38.8	1.917	2.785	11.9	19.3
3 12	12 57.78	− 5 42.1	1.853	2.791	8.3	19.0
3 22	12 49.73	− 5 37.1	1.815	2.797	4.3	18.8
4 1	12 40.77	− 5 26.9	1.805	2.804	0.3	18.5
4 11	12 31.88	− 5 15.4	1.823	2.811	4.3	18.8
4 21	12 23.99	− 5 6.8	1.869	2.818	8.2	19.1
5 1	12 17.83	− 5 4.4	1.939	2.826	11.7	19.3

230671 2003 SH_{253} 3 31.7 225.°42 0.°4/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.88	− 8 38.7	2.169	2.938	14.1	20.6
3 2	13 0.65	− 8 11.0	2.071	2.934	11.3	20.4
3 12	12 55.38	− 7 28.7	1.994	2.930	8.0	20.2
3 22	12 48.53	− 6 34.2	1.943	2.925	4.1	19.9
4 1	12 40.81	− 5 32.0	1.921	2.920	0.4	19.6
4 11	12 33.07	− 4 28.0	1.927	2.915	4.1	19.9
4 21	12 26.16	− 3 28.5	1.961	2.910	8.0	20.1
5 1	12 20.76	− 2 38.6	2.021	2.904	11.5	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
496965	2002 PQ_{40}		3 31.7	192.°21	1.°4/29.4	18
	h m	° ′			°	m
2 21	13 3.60	− 1 46.7	3.376	4.145	9.5	23.9
3 2	12 59.53	− 0 55.9	3.274	4.142	7.4	23.7
3 12	12 54.14	+ 0 2.2	3.198	4.139	5.0	23.5
3 22	12 47.76	+ 1 4.4	3.151	4.135	2.6	23.4
4 1	12 40.85	+ 2 6.9	3.136	4.130	1.6	23.3
4 11	12 33.95	+ 3 5.5	3.151	4.124	3.8	23.4
4 21	12 27.56	+ 3 56.8	3.197	4.118	6.4	23.6
5 1	12 22.14	+ 4 38.0	3.270	4.111	8.7	23.7
95086	2002 AJ_{89}		3 31.7	240.°22	2.°0/ 2.5	17
2 21	13 7.59	−12 40.5	1.834	2.592	16.8	20.0
3 2	13 4.21	−12 27.9	1.726	2.578	13.8	19.7
3 12	12 58.25	−11 55.5	1.638	2.564	10.1	19.5
3 22	12 50.16	−11 4.1	1.573	2.548	5.9	19.2
4 1	12 40.77	− 9 57.0	1.536	2.533	2.1	18.9
4 11	12 31.19	− 8 41.1	1.527	2.516	4.7	19.0
4 21	12 22.56	− 7 24.5	1.544	2.499	9.2	19.2
5 1	12 15.84	− 6 15.5	1.587	2.481	13.4	19.5
361614	2007 TO_{47}		3 31.7	289.°61	1.°9/ 2.0	17
2 21	13 6.59	−10 11.7	1.514	2.298	18.6	21.3
3 2	13 4.13	−10 18.3	1.405	2.274	15.3	21.0
3 12	12 58.67	−10 6.1	1.314	2.250	11.2	20.6
3 22	12 50.59	− 9 35.3	1.246	2.225	6.4	20.3
4 1	12 40.76	− 8 48.8	1.203	2.200	2.0	19.9
4 11	12 30.52	− 7 53.3	1.185	2.176	5.5	20.1
4 21	12 21.29	− 6 57.1	1.193	2.151	10.9	20.3
5 1	12 14.32	− 6 9.1	1.223	2.126	15.9	20.5
32070	Michaelretchin		3 31.7	209.°07	2.°5/29.6	18
2 21	13 9.85	− 0 53.9	1.768	2.563	15.9	19.7
3 2	13 5.86	− 0 16.8	1.677	2.558	12.6	19.5
3 12	12 59.26	+ 0 31.9	1.607	2.553	8.6	19.3
3 22	12 50.60	+ 1 27.1	1.562	2.547	4.4	19.0
4 1	12 40.77	+ 2 22.3	1.546	2.540	2.7	18.9
4 11	12 30.93	+ 3 9.9	1.557	2.533	6.5	19.1
4 21	12 22.18	+ 3 44.1	1.594	2.526	10.8	19.3
5 1	12 15.41	+ 4 1.0	1.655	2.518	14.6	19.5
214506	2005 YW_{236}		3 31.7	292.°20	0.°3/31.1	18
2 21	12 56.79	− 4 27.8	4.379	5.144	7.6	21.0
3 2	12 53.94	− 4 6.0	4.279	5.143	5.9	20.9
3 12	12 50.17	− 3 38.6	4.203	5.141	4.0	20.7
3 22	12 45.72	− 3 7.4	4.156	5.140	2.0	20.6
4 1	12 40.92	− 2 34.7	4.140	5.138	0.4	20.4
4 11	12 36.14	− 2 2.7	4.154	5.137	2.4	20.6
4 21	12 31.71	− 1 33.6	4.197	5.136	4.4	20.8
5 1	12 27.95	− 1 9.6	4.268	5.134	6.3	20.9
189274	2005 RW_{28}		3 31.7	247.°89	2.°0/ 2.2	18
2 21	13 12.26	− 9 15.9	1.976	2.732	15.8	20.3
3 2	13 7.66	− 9 46.3	1.871	2.723	12.9	20.1
3 12	13 0.51	−10 5.1	1.787	2.713	9.4	19.8
3 22	12 51.27	−10 12.3	1.728	2.703	5.4	19.6
4 1	12 40.75	−10 9.4	1.696	2.692	2.1	19.3
4 11	12 30.07	− 9 59.6	1.694	2.682	4.5	19.5
4 21	12 20.32	− 9 47.3	1.719	2.671	8.6	19.7
5 1	12 12.44	− 9 37.3	1.770	2.660	12.5	19.9
300955	2008 DR_1		3 31.7	128.°81	3.°1/ 4.3	18
2 21	13 5.20	−16 10.5	2.590	3.311	13.3	21.3
3 2	13 1.33	−16 23.1	2.494	3.317	11.0	21.2
3 12	12 55.66	−16 21.5	2.419	3.323	8.4	21.0
3 22	12 48.62	−16 5.6	2.370	3.329	5.5	20.8
4 1	12 40.85	−15 37.2	2.348	3.334	3.3	20.7
4 11	12 33.09	−14 59.5	2.356	3.340	3.9	20.7
4 21	12 26.07	−14 17.0	2.392	3.345	6.5	20.9
5 1	12 20.39	−13 34.6	2.454	3.350	9.2	21.1
467969	2012 KJ_{12}		3 31.7	112.°36	11.°1/17.9	17
2 21	13 5.48	+22 58.1	1.851	2.665	14.5	20.7
3 2	13 2.31	+25 10.0	1.802	2.669	12.6	20.6
3 12	12 56.69	+27 13.6	1.775	2.672	11.3	20.5
3 22	12 49.22	+28 57.5	1.774	2.675	11.2	20.5
4 1	12 40.83	+30 12.4	1.796	2.678	12.3	20.5
4 11	12 32.62	+30 52.7	1.841	2.682	14.1	20.7
4 21	12 25.59	+30 57.9	1.906	2.685	16.1	20.8
5 1	12 20.49	+30 30.9	1.988	2.688	18.0	21.0
293832	2007 RT_{205}		3 31.7	110.°15	0.°5/31.3	18
2 21	13 5.90	− 7 40.1	1.599	2.389	17.5	20.4
3 2	13 2.87	− 6 55.7	1.520	2.397	13.9	20.2
3 12	12 57.21	− 5 52.3	1.462	2.405	9.6	20.0
3 22	12 49.54	− 4 34.3	1.428	2.413	4.8	19.7
4 1	12 40.82	− 3 9.1	1.421	2.420	0.6	19.4
4 11	12 32.24	− 1 46.1	1.441	2.428	5.4	19.8
4 21	12 24.88	− 0 33.8	1.488	2.435	10.1	20.0
5 1	12 19.58	+ 0 21.3	1.557	2.442	14.2	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
125198	2001 UV_{135}		3 31.7	23.°04	6.°4/27.8	18
	h m	° ′			°	m
2 21	13 9.59	+ 9 3.9	1.303	2.134	18.5	18.4
3 2	13 6.18	+ 9 31.0	1.245	2.144	14.7	18.2
3 12	12 59.65	+ 9 58.9	1.207	2.155	10.6	17.9
3 22	12 50.77	+10 19.4	1.191	2.167	7.1	17.8
4 1	12 40.79	+10 24.8	1.199	2.180	6.8	17.8
4 11	12 31.20	+10 9.5	1.233	2.194	9.8	18.0
4 21	12 23.26	+ 9 32.4	1.289	2.209	13.7	18.3
5 1	12 17.85	+ 8 35.0	1.365	2.225	17.3	18.5
188057	2001 VB_{105}		3 31.7	166.°12	3.°3/ 4.4	17
2 21	13 6.10	−17 22.6	2.215	2.939	15.2	20.9
3 2	13 2.40	−17 16.4	2.118	2.943	12.6	20.7
3 12	12 56.59	−16 51.3	2.041	2.947	9.6	20.5
3 22	12 49.16	−16 7.7	1.989	2.950	6.3	20.3
4 1	12 40.84	−15 8.1	1.964	2.952	3.6	20.2
4 11	12 32.54	−13 57.6	1.968	2.954	4.3	20.2
4 21	12 25.14	−12 42.9	2.001	2.956	7.4	20.4
5 1	12 19.33	−11 30.9	2.060	2.957	10.6	20.6
198446	2004 XS_3		3 31.7	195.°46	2.°1/29.6	18
2 21	13 6.14	− 0 38.7	2.204	2.993	13.3	20.5
3 2	13 2.31	− 0 3.5	2.113	2.991	10.5	20.3
3 12	12 56.47	+ 0 40.5	2.045	2.990	7.1	20.1
3 22	12 49.07	+ 1 29.2	2.004	2.988	3.7	19.8
4 1	12 40.85	+ 2 17.4	1.991	2.985	2.3	19.7
4 11	12 32.65	+ 2 59.5	2.007	2.983	5.3	19.9
4 21	12 25.30	+ 3 31.0	2.051	2.980	8.9	20.1
5 1	12 19.49	+ 3 48.8	2.119	2.977	12.1	20.3
123087	2000 SQ_{327}		3 31.7	247.°20	1.°4/ 1.8	18
2 21	13 9.91	− 9 35.5	1.857	2.622	16.3	20.7
3 2	13 6.05	− 9 36.1	1.747	2.605	13.3	20.5
3 12	12 59.55	− 9 21.0	1.657	2.588	9.6	20.2
3 22	12 50.86	− 8 51.2	1.592	2.570	5.4	19.9
4 1	12 40.79	− 8 9.8	1.554	2.552	1.4	19.6
4 11	12 30.49	− 7 22.2	1.544	2.533	4.7	19.8
4 21	12 21.09	− 6 35.2	1.561	2.513	9.3	20.0
5 1	12 13.62	− 5 55.3	1.603	2.493	13.6	20.2
227464	2005 WK_{120}		3 31.7	170.°01	0.°2/31.6	17
2 21	13 6.51	− 6 48.4	2.256	3.024	13.7	21.6
3 2	13 2.55	− 6 20.5	2.164	3.027	10.9	21.4
3 12	12 56.60	− 5 39.8	2.094	3.030	7.5	21.2
3 22	12 49.13	− 4 49.5	2.050	3.033	3.8	20.9
4 1	12 40.85	− 3 53.8	2.036	3.035	0.2	20.6
4 11	12 32.62	− 2 58.4	2.050	3.036	4.1	20.9
4 21	12 25.24	− 2 8.6	2.094	3.037	7.9	21.2
5 1	12 19.36	− 1 29.0	2.162	3.038	11.2	21.4
102502	1999 TF_{285}		3 31.7	225.°51	0.°1/31.6	17
2 21	13 5.01	− 9 29.6	2.013	2.781	15.1	20.5
3 2	13 1.79	− 8 32.0	1.907	2.772	12.1	20.2
3 12	12 56.34	− 7 14.9	1.824	2.761	8.5	20.0
3 22	12 49.11	− 5 41.7	1.767	2.750	4.3	19.7
4 1	12 40.85	− 3 58.6	1.739	2.738	0.2	19.4
4 11	12 32.53	− 2 14.1	1.740	2.726	4.7	19.7
4 21	12 25.08	− 0 37.0	1.769	2.713	9.1	19.9
5 1	12 19.29	+ 0 45.5	1.824	2.699	12.9	20.1
162507	2000 QE_{60}		3 31.7	159.°79	5.°4/26.5	18
2 21	13 7.09	+ 4 52.4	1.675	2.490	15.8	20.4
3 2	13 3.67	+ 6 17.1	1.601	2.494	12.4	20.1
3 12	12 57.71	+ 7 50.4	1.550	2.497	8.8	19.9
3 22	12 49.79	+ 9 23.8	1.524	2.500	5.9	19.8
4 1	12 40.84	+10 47.2	1.525	2.503	6.1	19.8
4 11	12 32.02	+11 51.8	1.553	2.505	9.1	20.0
4 21	12 24.39	+12 32.4	1.605	2.507	12.7	20.2
5 1	12 18.76	+12 47.1	1.679	2.508	16.0	20.4
522373	2016 CU_{302}		3 31.7	230.°59	1.°9/ 2.3	17
2 21	13 7.92	−10 48.1	1.768	2.535	16.9	21.8
3 2	13 4.44	−10 52.5	1.673	2.531	13.8	21.5
3 12	12 58.37	−10 40.1	1.597	2.527	10.0	21.3
3 22	12 50.20	−10 11.9	1.546	2.523	5.7	21.0
4 1	12 40.83	− 9 31.0	1.521	2.518	2.0	20.8
4 11	12 31.39	− 8 43.1	1.524	2.513	4.6	20.9
4 21	12 23.02	− 7 55.2	1.553	2.509	9.1	21.2
5 1	12 16.61	− 7 13.9	1.607	2.504	13.2	21.4
272757	2005 YQ_{150}		3 31.7	245.°74	4.°0/27.7	17
2 21	13 6.36	+ 4 19.3	2.080	2.882	13.6	20.8
3 2	13 2.70	+ 5 9.6	1.986	2.871	10.7	20.6
3 12	12 56.87	+ 6 6.5	1.916	2.861	7.5	20.3
3 22	12 49.34	+ 7 4.5	1.871	2.850	4.6	20.1
4 1	12 40.86	+ 7 56.9	1.855	2.839	4.4	20.1
4 11	12 32.35	+ 8 37.6	1.867	2.828	7.1	20.2
4 21	12 24.71	+ 9 1.9	1.905	2.816	10.5	20.4
5 1	12 18.70	+ 9 7.8	1.967	2.804	13.7	20.6

78473 2002 RE_{48} 3 31.7 119.°08 1.°2/30.4 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 4.39	− 3 25.5	2.257	3.041	13.2	20.1
3 2	13 0.83	− 2 49.8	2.173	3.048	10.4	19.9
3 12	12 55.37	− 2 3.8	2.112	3.055	7.1	19.7
3 22	12 48.49	− 1 11.1	2.077	3.062	3.5	19.5
4 1	12 40.88	− 0 16.8	2.071	3.069	1.4	19.3
4 11	12 33.37	+ 0 33.5	2.094	3.075	4.6	19.5
4 21	12 26.69	+ 1 15.0	2.145	3.082	8.1	19.8
5 1	12 21.47	+ 1 44.4	2.221	3.088	11.3	20.0

169519 2002 EK_{16} 3 31.7 312.°65 0.°8/ 1.4 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 59.48	−10 58.1	1.343	2.147	19.5	19.9
3 2	12 58.68	−10 25.9	1.242	2.125	16.0	19.6
3 12	12 54.96	− 9 26.5	1.160	2.103	11.5	19.2
3 22	12 48.72	− 8 1.5	1.099	2.082	6.2	18.9
4 1	12 40.87	− 6 17.3	1.062	2.061	0.9	18.4
4 11	12 32.76	− 4 25.2	1.050	2.041	5.9	18.7
4 21	12 25.78	− 2 38.7	1.062	2.022	11.7	19.0
5 1	12 21.12	− 1 9.5	1.096	2.003	17.0	19.2

8226 1996 TF_7 3 31.7 160.°10 0.°1/31.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 2.57	− 7 41.4	2.545	3.311	12.4	17.4
3 2	12 59.22	− 6 59.3	2.452	3.315	9.8	17.2
3 12	12 54.18	− 6 4.7	2.382	3.318	6.8	17.0
3 22	12 47.88	− 5 0.5	2.339	3.321	3.4	16.8
4 1	12 40.91	− 3 51.2	2.325	3.324	0.2	16.5
4 11	12 34.00	− 2 42.3	2.341	3.327	3.7	16.8
4 21	12 27.80	− 1 39.1	2.386	3.329	7.1	17.0
5 1	12 22.86	− 0 46.0	2.457	3.331	10.1	17.2

290279 2005 ST_{149} 3 31.7 223.°72 0.°4/31.2 16

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 2.65	− 5 29.5	2.929	3.695	10.9	22.5
3 2	12 59.10	− 4 59.4	2.822	3.686	8.6	22.3
3 12	12 54.02	− 4 19.7	2.740	3.677	5.9	22.1
3 22	12 47.79	− 3 33.0	2.685	3.668	2.9	21.9
4 1	12 40.92	− 2 42.9	2.659	3.658	0.5	21.6
4 11	12 34.02	− 1 53.4	2.664	3.648	3.5	21.9
4 21	12 27.69	− 1 8.6	2.698	3.638	6.5	22.1
5 1	12 22.46	− 0 32.0	2.759	3.627	9.3	22.2

164780 1999 CH_{159} 3 31.7 12.°00 4.°5/28.2 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 2.10	+ 0 5.1	1.191	2.028	19.5	19.6
3 2	13 0.71	+ 1 15.3	1.123	2.030	15.3	19.3
3 12	12 56.18	+ 2 42.1	1.075	2.032	10.4	19.1
3 22	12 49.19	+ 4 16.1	1.050	2.035	5.8	18.8
4 1	12 40.87	+ 5 45.2	1.048	2.039	5.0	18.8
4 11	12 32.73	+ 6 57.1	1.070	2.043	9.2	19.0
4 21	12 26.08	+ 7 43.5	1.114	2.049	14.1	19.3
5 1	12 21.92	+ 8 1.0	1.178	2.055	18.4	19.6

238393 2004 ET_2 3 31.7 43.°37 1.°9/29.9 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 6.85	− 0 7.7	2.095	2.887	13.8	20.2
3 2	13 2.95	+ 0 8.5	2.010	2.890	10.9	20.0
3 12	12 56.93	+ 0 32.1	1.948	2.893	7.4	19.8
3 22	12 49.33	+ 0 59.5	1.912	2.896	3.8	19.6
4 1	12 40.88	+ 1 26.1	1.903	2.899	2.1	19.5
4 11	12 32.51	+ 1 47.0	1.924	2.902	5.2	19.7
4 21	12 25.07	+ 1 58.6	1.971	2.906	8.9	19.9
5 1	12 19.25	+ 1 58.3	2.043	2.909	12.1	20.1

501000 2013 RS_{25} 3 31.7 191.°25 2.°9/ 3.5 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 10.83	−13 46.4	2.334	3.062	14.4	22.0
3 2	13 6.06	−14 10.3	2.231	3.061	11.9	21.8
3 12	12 59.13	−14 20.6	2.149	3.059	8.9	21.6
3 22	12 50.48	−14 17.2	2.092	3.057	5.7	21.4
4 1	12 40.85	−14 1.1	2.064	3.054	3.1	21.2
4 11	12 31.15	−13 35.6	2.065	3.051	4.2	21.3
4 21	12 22.27	−13 5.1	2.096	3.047	7.4	21.5
5 1	12 14.98	−12 34.8	2.152	3.043	10.6	21.7

351536 2005 SC_{195} 3 31.7 176.°80 7.°5/12.4 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 8.82	−36 55.0	3.445	3.993	12.7	22.1
3 2	13 4.12	−37 46.4	3.337	3.995	11.7	22.0
3 12	12 57.61	−38 20.8	3.246	3.996	10.4	21.9
3 22	12 49.67	−38 35.5	3.176	3.997	9.1	21.8
4 1	12 40.89	−38 29.1	3.130	3.998	8.0	21.8
4 11	12 32.01	−38 2.0	3.110	3.998	7.5	21.7
4 21	12 23.76	−37 17.1	3.115	3.998	7.8	21.7
5 1	12 16.79	−36 18.8	3.147	3.997	8.7	21.8

384176 2009 BM_{49} 3 31.7 66.°71 4.°4/26.7 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 3.16	+ 5 18.9	2.094	2.904	13.2	20.8
3 2	13 0.00	+ 6 26.9	2.022	2.912	10.3	20.6
3 12	12 54.86	+ 7 40.3	1.974	2.920	7.2	20.4
3 22	12 48.26	+ 8 52.8	1.952	2.928	4.8	20.3
4 1	12 40.93	+ 9 57.3	1.958	2.936	4.9	20.3
4 11	12 33.74	+10 47.5	1.992	2.944	7.4	20.5
4 21	12 27.45	+11 19.7	2.051	2.953	10.4	20.7
5 1	12 22.70	+11 32.2	2.134	2.961	13.1	20.9

190390 1999 TD_{60} 3 31.7 252.°50 1.°0/ 1.7 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 5.88	− 9 2.7	2.010	2.779	15.1	20.6
3 2	13 2.46	− 8 57.0	1.913	2.775	12.2	20.4
3 12	12 56.79	− 8 37.0	1.837	2.770	8.7	20.1
3 22	12 49.35	− 8 4.3	1.787	2.766	4.7	19.9
4 1	12 40.91	− 7 22.6	1.763	2.762	1.0	19.6
4 11	12 32.44	− 6 37.2	1.768	2.757	4.2	19.8
4 21	12 24.87	− 5 53.9	1.800	2.752	8.3	20.1
5 1	12 18.99	− 5 18.2	1.857	2.748	12.0	20.3

313761 2003 WP_{113} 3 31.7 50.°22 2.°9/29.7 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 9.60	+ 0 50.4	1.456	2.268	17.9	19.9
3 2	13 5.99	+ 1 11.9	1.386	2.277	14.1	19.7
3 12	12 59.48	+ 1 42.9	1.336	2.285	9.6	19.5
3 22	12 50.74	+ 2 17.8	1.310	2.295	5.0	19.2
4 1	12 40.87	+ 2 49.7	1.309	2.304	3.2	19.1
4 11	12 31.23	+ 3 11.6	1.335	2.314	7.1	19.4
4 21	12 23.01	+ 3 18.9	1.386	2.324	11.6	19.6
5 1	12 17.11	+ 3 9.1	1.458	2.334	15.5	19.9

117453 2005 AG_{58} 3 31.7 74.°16 1.°6/30.2 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 6.18	− 2 31.6	1.949	2.741	14.7	20.0
3 2	13 2.47	− 2 0.1	1.877	2.757	11.5	19.8
3 12	12 56.60	− 1 18.1	1.828	2.772	7.8	19.6
3 22	12 49.15	− 0 29.9	1.803	2.788	3.9	19.4
4 1	12 40.93	+ 0 18.7	1.807	2.804	1.7	19.2
4 11	12 32.90	+ 1 1.8	1.839	2.820	5.2	19.5
4 21	12 25.90	+ 1 34.7	1.898	2.836	9.0	19.8
5 1	12 20.62	+ 1 53.9	1.982	2.851	12.3	20.0

43507 2001 CN_{39} 3 31.7 160.°10 4.°0/28.1 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 9.80	+ 3 37.6	1.851	2.652	15.0	19.5
3 2	13 5.55	+ 4 27.8	1.772	2.657	11.8	19.3
3 12	12 58.88	+ 5 25.3	1.716	2.662	8.2	19.1
3 22	12 50.37	+ 6 23.6	1.686	2.666	4.9	18.9
4 1	12 40.90	+ 7 15.7	1.683	2.669	4.4	18.9
4 11	12 31.55	+ 7 54.7	1.709	2.672	7.4	19.0
4 21	12 23.33	+ 8 16.4	1.760	2.675	11.0	19.3
5 1	12 17.00	+ 8 18.9	1.835	2.677	14.3	19.5

303924 2005 UG_{283} 3 31.7 244.°92 3.°9/26.8 16

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 6.29	+ 8 26.7	2.841	3.633	10.6	21.7
3 2	13 2.01	+ 9 4.3	2.741	3.618	8.4	21.6
3 12	12 56.07	+ 9 43.7	2.666	3.604	6.1	21.4
3 22	12 48.86	+10 20.8	2.618	3.588	4.2	21.2
4 1	12 40.94	+10 50.9	2.600	3.573	4.3	21.2
4 11	12 33.01	+11 10.2	2.611	3.557	6.2	21.3
4 21	12 25.70	+11 16.2	2.649	3.541	8.7	21.5
5 1	12 19.59	+11 7.7	2.713	3.524	11.1	21.6

410348 2007 UF_{124} 3 31.7 158.°97 1.°6/30.4 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 10.99	− 1 57.4	1.797	2.585	15.9	21.7
3 2	13 6.62	− 1 36.9	1.713	2.590	12.6	21.5
3 12	12 59.70	− 1 5.7	1.650	2.594	8.6	21.2
3 22	12 50.82	− 0 27.9	1.613	2.598	4.3	21.0
4 1	12 40.89	+ 0 10.9	1.604	2.601	1.8	20.8
4 11	12 31.04	+ 0 44.5	1.623	2.604	5.7	21.1
4 21	12 22.35	+ 1 7.9	1.669	2.606	9.9	21.3
5 1	12 15.64	+ 1 17.5	1.738	2.608	13.7	21.6

198964 2005 UC_{439} 3 31.7 202.°39 1.°3/30.6 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 11.31	− 3 32.4	1.813	2.596	16.0	21.2
3 2	13 6.99	− 3 5.0	1.718	2.592	12.7	21.0
3 12	13 0.08	− 2 24.6	1.645	2.587	8.8	20.7
3 22	12 51.07	− 1 35.1	1.597	2.581	4.4	20.5
4 1	12 40.88	− 0 42.2	1.577	2.575	1.5	20.2
4 11	12 30.66	+ 0 7.0	1.585	2.568	5.7	20.5
4 21	12 21.50	+ 0 46.4	1.621	2.560	10.1	20.7
5 1	12 14.33	+ 1 11.3	1.681	2.551	14.1	21.0

436666 2011 ST_{54} 3 31.7 240.°25 1.°2/30.2 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 2.58	− 3 19.5	2.630	3.409	11.7	21.9
3 2	12 59.26	− 2 39.1	2.526	3.399	9.2	21.7
3 12	12 54.26	− 1 49.0	2.446	3.388	6.3	21.5
3 22	12 47.98	− 0 52.4	2.393	3.378	3.1	21.3
4 1	12 40.98	+ 0 6.4	2.370	3.367	1.4	21.1
4 11	12 33.95	+ 1 2.1	2.377	3.356	4.3	21.3
4 21	12 27.56	+ 1 50.2	2.412	3.345	7.5	21.5
5 1	12 22.38	+ 2 27.2	2.472	3.334	10.5	21.6

506397 2017 SH_1 3 31.7 244.°36 2.°5/29.1 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 6.14	+ 0 22.8	2.153	2.946	13.5	22.0
3 2	13 2.49	+ 1 2.9	2.054	2.934	10.6	21.8
3 12	12 56.73	+ 1 52.0	1.977	2.923	7.3	21.5
3 22	12 49.31	+ 2 45.6	1.927	2.910	3.9	21.3
4 1	12 40.94	+ 3 38.2	1.905	2.898	2.8	21.2
4 11	12 32.52	+ 4 23.5	1.912	2.885	5.9	21.4
4 21	12 24.92	+ 4 56.8	1.947	2.872	9.5	21.6
5 1	12 18.87	+ 5 14.7	2.005	2.859	12.8	21.7

324603 2006 YB_8 3 31.7 222.°69 3.°1/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.04	+ 0 46.2	1.902	2.703	14.7	21.4
3 2	13 2.63	+ 1 35.6	1.814	2.700	11.5	21.2
3 12	12 56.92	+ 2 35.0	1.748	2.696	7.9	20.9
3 22	12 49.43	+ 3 38.9	1.708	2.691	4.3	20.7
4 1	12 40.94	+ 4 40.4	1.696	2.687	3.4	20.6
4 11	12 32.48	+ 5 32.2	1.711	2.682	6.6	20.8
4 21	12 25.00	+ 6 9.1	1.753	2.678	10.4	21.0
5 1	12 19.26	+ 6 27.8	1.818	2.672	13.9	21.2

79146 1992 JP_3 3 31.7 320.°04 3.°6/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.05	+ 2 24.5	1.467	2.286	17.4	18.9
3 2	13 4.34	+ 2 43.2	1.374	2.269	13.8	18.7
3 12	12 58.67	+ 3 10.4	1.302	2.253	9.7	18.4
3 22	12 50.53	+ 3 40.6	1.253	2.237	5.3	18.1
4 1	12 40.91	+ 4 6.7	1.229	2.222	3.9	17.9
4 11	12 31.14	+ 4 21.5	1.231	2.207	7.8	18.1
4 21	12 22.56	+ 4 19.8	1.256	2.194	12.5	18.3
5 1	12 16.27	+ 3 58.9	1.303	2.180	16.9	18.6

283751 2003 DR_{11} 3 31.7 112.°78 1.°1/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.20	− 5 56.0	1.535	2.329	17.9	21.0
3 2	13 4.76	− 5 12.5	1.461	2.341	14.2	20.8
3 12	12 58.58	− 4 11.4	1.408	2.352	9.7	20.5
3 22	12 50.29	− 2 57.8	1.378	2.363	4.8	20.3
4 1	12 40.92	− 1 39.3	1.376	2.374	1.2	20.0
4 11	12 31.76	− 0 25.4	1.400	2.385	5.9	20.4
4 21	12 23.92	+ 0 36.0	1.450	2.395	10.6	20.7
5 1	12 18.27	+ 1 19.3	1.524	2.404	14.7	20.9

223928 2004 WM_{10} 3 31.7 137.°07 5.°0/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.00	−22 38.9	2.415	3.101	15.0	20.8
3 2	13 2.99	−22 54.6	2.321	3.112	12.8	20.6
3 12	12 56.95	−22 51.3	2.247	3.122	10.2	20.5
3 22	12 49.37	−22 28.0	2.196	3.132	7.5	20.3
4 1	12 40.96	−21 45.7	2.173	3.141	5.4	20.2
4 11	12 32.60	−20 48.0	2.177	3.150	5.3	20.2
4 21	12 25.10	−19 40.7	2.209	3.158	7.2	20.3
5 1	12 19.15	−18 30.4	2.268	3.166	9.8	20.5

498698 2008 SQ_{307} 3 31.7 216.°68 2.°0/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.59	+ 0 10.8	2.550	3.330	12.0	22.5
3 2	13 3.24	+ 0 41.2	2.448	3.321	9.4	22.3
3 12	12 57.03	+ 1 18.6	2.369	3.311	6.5	22.1
3 22	12 49.40	+ 1 59.7	2.318	3.301	3.4	21.8
4 1	12 40.96	+ 2 40.1	2.297	3.291	2.2	21.7
4 11	12 32.49	+ 3 15.0	2.305	3.279	4.9	21.9
4 21	12 24.73	+ 3 40.7	2.343	3.267	8.1	22.1
5 1	12 18.31	+ 3 54.5	2.405	3.255	11.1	22.3

140248 2001 SH_{253} 3 31.7 260.°14 1.°3/30.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.45	− 2 35.5	2.505	3.285	12.2	21.1
3 2	13 0.89	− 2 3.7	2.393	3.266	9.6	20.9
3 12	12 55.50	− 1 22.3	2.305	3.248	6.6	20.7
3 22	12 48.67	− 0 34.5	2.244	3.229	3.3	20.4
4 1	12 40.98	+ 0 15.3	2.212	3.209	1.5	20.3
4 11	12 33.20	+ 1 2.2	2.210	3.189	4.6	20.4
4 21	12 26.05	+ 1 41.4	2.236	3.169	8.0	20.6
5 1	12 20.21	+ 2 9.3	2.287	3.149	11.2	20.8

463316 2012 JB_{51} 3 31.7 11.°60 5.°3/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.94	+ 3 15.5	1.297	2.135	18.1	20.8
3 2	13 0.30	+ 4 21.0	1.232	2.137	14.2	20.5
3 12	12 55.76	+ 5 37.2	1.186	2.141	9.9	20.3
3 22	12 48.95	+ 6 55.2	1.163	2.145	6.1	20.1
4 1	12 40.98	+ 8 4.0	1.165	2.151	5.8	20.1
4 11	12 33.19	+ 8 53.8	1.190	2.158	9.4	20.3
4 21	12 26.79	+ 9 18.8	1.239	2.165	13.7	20.5
5 1	12 22.70	+ 9 17.1	1.307	2.173	17.5	20.8

143541 2003 EL_{27} 3 31.7 57.°87 1.°0/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 11.64	− 6 32.9	2.329	3.084	13.7	19.5
3 2	13 6.58	− 7 2.2	2.234	3.088	11.0	19.3
3 12	12 59.41	− 7 22.9	2.161	3.091	7.8	19.1
3 22	12 50.62	− 7 36.0	2.116	3.094	4.2	18.9
4 1	12 40.94	− 7 43.1	2.099	3.098	1.0	18.6
4 11	12 31.27	− 7 46.9	2.113	3.101	3.8	18.8
4 21	12 22.46	− 7 50.3	2.156	3.105	7.4	19.1
5 1	12 15.24	− 7 56.5	2.225	3.108	10.6	19.3

58834 1998 HN_{37} 3 31.7 67.°20 0.°3/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 12.16	− 3 41.3	1.770	2.552	16.4	18.7
3 2	13 7.47	− 3 53.7	1.695	2.567	13.0	18.5
3 12	13 0.23	− 3 56.2	1.641	2.581	9.0	18.2
3 22	12 51.06	− 3 51.3	1.612	2.595	4.5	18.0
4 1	12 40.93	− 3 42.5	1.611	2.610	0.3	17.7
4 11	12 30.99	− 3 34.3	1.638	2.624	4.8	18.1
4 21	12 22.29	− 3 30.9	1.692	2.639	9.1	18.4
5 1	12 15.64	− 3 35.5	1.770	2.654	12.8	18.6

232853 2004 TQ_{170} 3 31.7 177.°60 3.°1/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.72	+ 4 20.1	2.682	3.467	11.3	21.2
3 2	13 3.13	+ 5 3.8	2.594	3.470	8.9	21.1
3 12	12 56.82	+ 5 51.9	2.530	3.471	6.2	20.9
3 22	12 49.23	+ 6 40.2	2.495	3.473	3.7	20.7
4 1	12 40.98	+ 7 23.8	2.489	3.473	3.4	20.7
4 11	12 32.79	+ 7 58.3	2.514	3.473	5.6	20.9
4 21	12 25.33	+ 8 20.6	2.566	3.472	8.4	21.0
5 1	12 19.17	+ 8 29.0	2.644	3.470	10.9	21.2

388389 2006 UD_{323} 3 31.7 139.°23 1.°4/30.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.99	− 3 58.4	2.391	3.174	12.6	21.2
3 2	12 58.89	− 3 4.2	2.302	3.178	9.8	21.1
3 12	12 54.04	− 1 58.5	2.238	3.181	6.7	20.9
3 22	12 47.87	− 0 45.7	2.200	3.185	3.3	20.7
4 1	12 41.01	+ 0 28.9	2.191	3.188	1.6	20.5
4 11	12 34.22	+ 1 39.1	2.212	3.191	4.6	20.7
4 21	12 28.17	+ 2 39.6	2.261	3.193	8.0	21.0
5 1	12 23.45	+ 3 26.6	2.335	3.196	11.0	21.1

366341 4082 $T\text{-}_2$ 3 31.7 207.°46 0.°3/31.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.71	− 6 12.8	2.071	2.842	14.7	22.4
3 2	13 4.62	− 5 48.4	1.971	2.836	11.7	22.2
3 12	12 58.27	− 5 10.8	1.893	2.830	8.2	21.9
3 22	12 50.12	− 4 22.6	1.840	2.823	4.1	21.7
4 1	12 40.96	− 3 28.5	1.817	2.816	0.4	21.3
4 11	12 31.74	− 2 34.5	1.822	2.808	4.6	21.6
4 21	12 23.42	− 1 46.7	1.855	2.799	8.7	21.9
5 1	12 16.79	− 1 9.9	1.914	2.789	12.4	22.1

223276 2003 GG_{46} 3 31.7 344.°15 1.°8/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.51	− 2 59.2	1.764	2.564	15.7	20.8
3 2	13 1.61	− 2 19.5	1.678	2.562	12.4	20.6
3 12	12 56.31	− 1 26.4	1.614	2.561	8.5	20.4
3 22	12 49.16	− 0 24.8	1.575	2.561	4.2	20.1
4 1	12 40.98	+ 0 38.7	1.563	2.560	2.0	20.0
4 11	12 32.86	+ 1 36.4	1.578	2.559	5.9	20.2
4 21	12 25.77	+ 2 22.0	1.620	2.559	10.1	20.4
5 1	12 20.52	+ 2 51.1	1.684	2.558	13.9	20.7

471478 2011 UX_{355} 3 31.7 232.°05 2.°7/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.82	+ 3 33.5	2.625	3.414	11.4	22.0
3 2	13 1.75	+ 4 1.8	2.529	3.407	9.0	21.8
3 12	12 55.95	+ 4 34.6	2.457	3.401	6.2	21.6
3 22	12 48.83	+ 5 8.1	2.413	3.394	3.6	21.4
4 1	12 41.00	+ 5 38.1	2.398	3.386	3.0	21.4
4 11	12 33.17	+ 6 0.3	2.413	3.379	5.3	21.5
4 21	12 26.04	+ 6 11.9	2.455	3.371	8.2	21.7
5 1	12 20.19	+ 6 11.0	2.523	3.364	10.9	21.8

110690 2001 TD_{206} 3 31.7 180.°04 7.°6/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.68	+15 17.5	2.052	2.859	13.5	20.3
3 2	13 4.50	+16 37.3	1.982	2.860	11.1	20.2
3 12	12 58.07	+17 55.2	1.936	2.861	8.8	20.0
3 22	12 49.95	+19 3.2	1.915	2.861	7.6	19.9
4 1	12 40.97	+19 53.4	1.921	2.861	8.3	20.0
4 11	12 32.13	+20 20.2	1.954	2.860	10.3	20.1
4 21	12 24.33	+20 21.9	2.010	2.859	12.9	20.3
5 1	12 18.28	+19 59.0	2.087	2.858	15.3	20.4

423246 2004 TP_{142} 3 31.8 196.°62 1.°0/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.04	−10 35.6	2.015	2.781	15.2	21.7
3 2	13 0.98	−10 10.4	1.921	2.781	12.2	21.5
3 12	12 55.75	− 9 28.3	1.848	2.780	8.7	21.2
3 22	12 48.84	− 8 31.5	1.800	2.779	4.7	21.0
4 1	12 41.01	− 7 24.5	1.780	2.778	1.0	20.7
4 11	12 33.19	− 6 14.0	1.788	2.777	4.1	21.0
4 21	12 26.28	− 5 6.7	1.824	2.776	8.2	21.2
5 1	12 21.01	− 4 8.9	1.885	2.775	11.8	21.4

278836 2008 SC_{289} 3 31.8 283.°34 0.°6/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.00	− 7 31.2	1.951	2.727	15.3	21.1
3 2	13 2.69	− 7 26.5	1.850	2.717	12.3	20.8
3 12	12 57.06	− 7 8.4	1.771	2.707	8.7	20.6
3 22	12 49.57	− 6 38.6	1.716	2.697	4.6	20.3
4 1	12 40.99	− 6 0.9	1.688	2.688	0.6	20.0
4 11	12 32.33	− 5 20.6	1.689	2.678	4.4	20.3
4 21	12 24.56	− 4 43.6	1.717	2.668	8.7	20.5
5 1	12 18.51	− 4 14.9	1.769	2.658	12.5	20.7

50911 2000 GC_{54} 3 31.8 48.°82 0.°3/ 1.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.33	− 8 38.6	1.597	2.387	17.5	19.2
3 2	13 1.69	− 8 9.6	1.518	2.394	14.0	19.0
3 12	12 56.48	− 7 21.8	1.460	2.400	9.8	18.8
3 22	12 49.27	− 6 18.7	1.424	2.407	5.0	18.5
4 1	12 41.00	− 5 6.5	1.415	2.415	0.3	18.1
4 11	12 32.86	− 3 53.8	1.433	2.422	5.0	18.5
4 21	12 25.90	− 2 48.8	1.477	2.430	9.7	18.8
5 1	12 20.96	− 1 58.1	1.544	2.437	13.8	19.1

362005 2008 UV_{363} 3 31.8 45.°68 20.°9/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 27.70	+41 47.4	1.188	1.957	23.5	19.7
3 2	13 21.06	+43 22.4	1.178	1.978	22.1	19.7
3 12	13 9.85	+44 20.4	1.182	2.000	21.2	19.7
3 22	12 55.68	+44 28.0	1.202	2.022	20.9	19.8
4 1	12 40.85	+43 38.1	1.239	2.046	21.3	19.9
4 11	12 27.68	+41 53.5	1.292	2.069	22.3	20.0
4 21	12 17.66	+39 24.7	1.360	2.094	23.5	20.2
5 1	12 11.45	+36 24.4	1.442	2.118	24.7	20.4

8876 1992 WU_3 3 31.8 136.°54 0.°6/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 9.81	− 8 42.3	1.994	2.757	15.4	18.5
3 2	13 5.40	− 8 24.0	1.912	2.770	12.3	18.4
3 12	12 58.70	− 7 51.0	1.850	2.783	8.7	18.2
3 22	12 50.28	− 7 5.7	1.814	2.795	4.6	17.9
4 1	12 40.99	− 6 12.6	1.807	2.806	0.6	17.6
4 11	12 31.82	− 5 17.9	1.828	2.816	4.2	17.9
4 21	12 23.71	− 4 27.5	1.878	2.826	8.3	18.2
5 1	12 17.39	− 3 46.7	1.953	2.835	11.9	18.4

3711 Ellensburg 3 31.8 101.°37 5.°7/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 10.11	−21 32.6	2.062	2.761	16.8	17.7
3 2	13 5.79	−22 10.9	1.978	2.778	14.4	17.5
3 12	12 59.07	−22 29.5	1.914	2.794	11.4	17.3
3 22	12 50.52	−22 26.4	1.872	2.810	8.4	17.2
4 1	12 40.98	−22 2.0	1.856	2.825	6.1	17.1
4 11	12 31.53	−21 19.9	1.868	2.840	6.0	17.1
4 21	12 23.14	−20 26.1	1.906	2.855	8.2	17.2
5 1	12 16.62	−19 28.0	1.971	2.869	11.0	17.4

212090 2005 EK_{124} 3 31.8 319.°65 2.°1/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.40	− 4 27.1	1.480	2.292	17.6	20.1
3 2	13 0.50	− 3 30.6	1.394	2.285	14.0	19.8
3 12	12 55.88	− 2 15.1	1.328	2.278	9.6	19.5
3 22	12 49.07	− 0 46.1	1.285	2.272	4.7	19.2
4 1	12 41.02	+ 0 47.4	1.268	2.265	2.3	19.1
4 11	12 32.95	+ 2 14.5	1.278	2.259	6.8	19.3
4 21	12 26.04	+ 3 25.9	1.312	2.254	11.7	19.6
5 1	12 21.24	+ 4 15.1	1.368	2.249	16.0	19.8

14927 Satoshi 3 31.8 249.°77 4.°2/28.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 10.20	+ 3 11.2	1.713	2.518	15.9	17.9
3 2	13 6.42	+ 3 59.0	1.615	2.502	12.7	17.7
3 12	12 59.89	+ 4 56.3	1.539	2.485	8.9	17.4
3 22	12 51.11	+ 5 56.9	1.487	2.468	5.2	17.2
4 1	12 40.97	+ 6 52.7	1.463	2.450	4.6	17.1
4 11	12 30.67	+ 7 35.6	1.466	2.432	8.1	17.2
4 21	12 21.43	+ 7 59.9	1.494	2.413	12.3	17.4
5 1	12 14.24	+ 8 2.5	1.544	2.394	16.2	17.6

12497 1998 FQ_{14} 3 31.8 298.°46 1.°1/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.75	−10 54.9	1.836	2.610	16.1	19.0
3 2	13 0.53	−10 31.1	1.715	2.579	13.2	18.7
3 12	12 55.87	− 9 47.2	1.614	2.548	9.6	18.4
3 22	12 49.12	− 8 44.3	1.536	2.516	5.3	18.1
4 1	12 41.02	− 7 26.5	1.486	2.484	1.2	17.7
4 11	12 32.59	− 6 0.9	1.463	2.453	4.7	17.9
4 21	12 24.93	− 4 36.3	1.466	2.421	9.6	18.1
5 1	12 19.03	− 3 21.5	1.494	2.389	14.0	18.3

27911 1996 TC_{14} 3 31.8 155.°70 3.°7/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.54	−19 0.2	2.573	3.281	13.7	17.7
3 2	13 0.91	−19 4.1	2.474	3.285	11.5	17.6
3 12	12 55.46	−18 51.5	2.395	3.289	8.9	17.4
3 22	12 48.63	−18 22.2	2.341	3.293	6.1	17.2
4 1	12 41.04	−17 37.9	2.315	3.296	3.9	17.1
4 11	12 33.46	−16 42.5	2.318	3.299	4.2	17.1
4 21	12 26.63	−15 41.1	2.349	3.302	6.5	17.2
5 1	12 21.15	−14 39.3	2.407	3.305	9.3	17.4

213238 2000 YU_9 3 31.8 91.°14 1.°0/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 12.14	− 3 40.5	1.630	2.419	17.3	20.7
3 2	13 7.58	− 3 23.7	1.563	2.440	13.6	20.5
3 12	13 0.34	− 2 54.5	1.517	2.460	9.3	20.3
3 22	12 51.13	− 2 17.1	1.496	2.480	4.6	20.0
4 1	12 40.98	− 1 37.1	1.502	2.500	1.2	19.8
4 11	12 31.13	− 1 1.2	1.536	2.520	5.5	20.2
4 21	12 22.66	− 0 34.8	1.596	2.539	9.9	20.5
5 1	12 16.37	− 0 21.6	1.680	2.558	13.7	20.8

107177 2001 BZ_{24} 3 31.8 83.°50 1.°3/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.60	− 4 50.0	1.565	2.362	17.5	20.2
3 2	13 4.17	− 4 9.0	1.496	2.378	13.8	19.9
3 12	12 58.10	− 3 12.4	1.448	2.394	9.4	19.7
3 22	12 50.04	− 2 5.4	1.424	2.410	4.6	19.5
4 1	12 41.00	− 0 55.5	1.427	2.425	1.5	19.3
4 11	12 32.22	+ 0 8.7	1.457	2.441	5.8	19.6
4 21	12 24.75	+ 1 0.2	1.513	2.456	10.3	19.9
5 1	12 19.39	+ 1 34.3	1.592	2.471	14.2	20.2

427143 2014 UL_{140} 3 31.8 107.°85 2.°7/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.74	−13 56.5	1.683	2.446	17.8	21.4
3 2	13 2.84	−13 52.7	1.594	2.447	14.7	21.2
3 12	12 57.33	−13 27.8	1.524	2.448	10.8	20.9
3 22	12 49.75	−12 42.7	1.477	2.450	6.6	20.7
4 1	12 41.01	−11 41.0	1.457	2.451	2.9	20.5
4 11	12 32.29	−10 29.7	1.463	2.453	4.7	20.6
4 21	12 24.69	− 9 17.2	1.495	2.454	9.0	20.8
5 1	12 19.12	− 8 11.9	1.552	2.455	13.1	21.1

264404 2000 FU_{70} 3 31.8 185.°08 0.°1/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.80	− 7 45.5	2.101	2.870	14.6	21.0
3 2	13 3.03	− 7 17.7	2.006	2.870	11.6	20.8
3 12	12 57.11	− 6 35.6	1.934	2.870	8.1	20.6
3 22	12 49.53	− 5 41.8	1.887	2.869	4.2	20.3
4 1	12 41.02	− 4 41.2	1.868	2.868	0.1	20.0
4 11	12 32.54	− 3 39.8	1.879	2.866	4.3	20.3
4 21	12 24.95	− 2 43.8	1.918	2.864	8.3	20.6
5 1	12 18.98	− 1 58.5	1.981	2.861	11.9	20.8

313723 2003 US_{151} 3 31.8 139.°58 3.°1/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 9.58	+ 1 22.9	2.034	2.825	14.2	21.6
3 2	13 5.09	+ 2 16.2	1.959	2.838	11.1	21.4
3 12	12 58.41	+ 3 17.7	1.907	2.851	7.6	21.2
3 22	12 50.11	+ 4 21.8	1.881	2.863	4.2	21.0
4 1	12 41.02	+ 5 21.9	1.884	2.874	3.4	21.0
4 11	12 32.09	+ 6 11.6	1.917	2.884	6.4	21.2
4 21	12 24.21	+ 6 46.3	1.976	2.894	9.8	21.4
5 1	12 18.05	+ 7 3.8	2.060	2.903	12.9	21.6

329384 2001 XZ_{111} 3 31.8 146.°74 3.°4/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.21	−18 20.7	2.137	2.861	15.7	21.1
3 2	13 1.80	−18 6.9	2.043	2.867	13.1	20.9
3 12	12 56.26	−17 32.3	1.969	2.873	9.9	20.7
3 22	12 49.09	−16 37.6	1.920	2.879	6.6	20.5
4 1	12 41.04	−15 25.6	1.897	2.884	3.8	20.3
4 11	12 33.05	−14 2.4	1.903	2.889	4.3	20.4
4 21	12 25.98	−12 35.2	1.937	2.894	7.5	20.6
5 1	12 20.55	−11 11.8	1.998	2.898	10.8	20.8

331477 1996 TO_{24} 3 31.8 303.°47 3.°0/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.86	−16 57.4	1.751	2.506	17.5	20.2
3 2	12 59.03	−16 30.9	1.646	2.493	14.6	20.0
3 12	12 54.76	−15 38.6	1.560	2.480	11.0	19.7
3 22	12 48.49	−14 21.1	1.497	2.467	6.9	19.5
4 1	12 41.05	−12 42.1	1.461	2.454	3.3	19.2
4 11	12 33.51	−10 49.9	1.451	2.441	4.7	19.2
4 21	12 26.93	− 8 55.1	1.468	2.429	8.9	19.5
5 1	12 22.20	− 7 8.3	1.510	2.417	13.2	19.7

504194 2006 TY_{83} 3 31.8 93.°86 1.°2/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.44	− 9 54.2	2.452	3.206	13.1	22.0
3 2	13 1.55	− 9 52.8	2.365	3.216	10.6	21.9
3 12	12 55.85	− 9 39.4	2.300	3.227	7.5	21.7
3 22	12 48.80	− 9 15.6	2.261	3.237	4.2	21.5
4 1	12 41.05	− 8 44.1	2.250	3.248	1.3	21.3
4 11	12 33.37	− 8 9.0	2.269	3.258	3.4	21.5
4 21	12 26.48	− 7 34.6	2.316	3.268	6.7	21.7
5 1	12 20.98	− 7 5.1	2.390	3.278	9.8	21.9

161801 2006 VS_{64} 3 31.8 212.°33 1.°2/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.84	− 2 32.8	2.786	3.562	11.2	21.5
3 2	13 0.13	− 2 2.4	2.686	3.556	8.8	21.3
3 12	12 54.81	− 1 24.0	2.609	3.551	6.0	21.1
3 22	12 48.27	− 0 40.5	2.560	3.544	3.0	20.9
4 1	12 41.08	+ 0 4.4	2.541	3.538	1.3	20.8
4 11	12 33.87	+ 0 46.2	2.552	3.531	4.0	20.9
4 21	12 27.29	+ 1 21.2	2.591	3.524	7.1	21.1
5 1	12 21.88	+ 1 46.3	2.657	3.517	9.8	21.3

157790 1991 VP_8 3 31.8 204.°70 1.°7/30.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 10.39	− 2 47.6	1.897	2.681	15.4	22.2
3 2	13 6.17	− 2 12.0	1.801	2.676	12.2	21.9
3 12	12 59.47	− 1 23.9	1.727	2.670	8.4	21.7
3 22	12 50.80	− 0 27.6	1.679	2.663	4.2	21.4
4 1	12 41.01	+ 0 31.0	1.659	2.656	1.9	21.3
4 11	12 31.19	+ 1 24.7	1.668	2.648	5.7	21.5
4 21	12 22.37	+ 2 7.5	1.704	2.639	10.0	21.7
5 1	12 15.42	+ 2 35.0	1.765	2.629	13.8	21.9

5748 Davebrin 3 31.8 91.°13 1.°8/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.43	− 5 14.2	1.781	2.574	15.9	17.8
3 2	13 1.36	− 3 59.1	1.709	2.590	12.4	17.6
3 12	12 56.00	− 2 27.6	1.659	2.606	8.4	17.4
3 22	12 48.94	− 0 46.1	1.635	2.621	4.1	17.1
4 1	12 41.06	+ 0 56.9	1.640	2.636	2.1	17.0
4 11	12 33.38	+ 2 32.0	1.672	2.651	5.9	17.3
4 21	12 26.80	+ 3 51.6	1.732	2.666	9.9	17.6
5 1	12 22.02	+ 4 50.9	1.815	2.680	13.4	17.8

497874 2006 UJ_{209} 3 31.8 151.°17 0.°9/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.82	−11 27.1	3.080	3.819	11.0	22.9
3 2	12 59.11	−10 57.3	2.985	3.828	8.9	22.8
3 12	12 53.98	−10 15.6	2.913	3.836	6.3	22.6
3 22	12 47.81	− 9 24.0	2.868	3.844	3.5	22.4
4 1	12 41.10	− 8 25.5	2.854	3.851	1.0	22.3
4 11	12 34.45	− 7 24.3	2.870	3.858	2.8	22.4
4 21	12 28.39	− 6 24.7	2.915	3.864	5.6	22.6
5 1	12 23.41	− 5 30.6	2.989	3.870	8.2	22.8

226714 2004 PV_{13} 3 31.8 199.°18 1.°7/29.9 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.22	− 2 3.5	2.231	3.015	13.3	21.2
3 2	13 2.43	− 1 23.9	2.137	3.013	10.5	21.0
3 12	12 56.62	− 0 34.2	2.066	3.010	7.2	20.8
3 22	12 49.27	+ 0 21.7	2.022	3.006	3.6	20.6
4 1	12 41.07	+ 1 18.5	2.006	3.002	1.9	20.4
4 11	12 32.88	+ 2 10.2	2.020	2.998	5.1	20.6
4 21	12 25.52	+ 2 51.9	2.061	2.993	8.7	20.8
5 1	12 19.66	+ 3 20.0	2.128	2.987	12.0	21.0

393464 2001 YQ_{20} 3 31.8 121.°92 5.°9/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.24	−28 9.7	2.701	3.348	14.3	21.1
3 2	13 0.70	−28 21.1	2.605	3.358	12.5	21.0
3 12	12 55.32	−28 12.3	2.527	3.368	10.4	20.8
3 22	12 48.57	−27 42.3	2.472	3.378	8.2	20.7
4 1	12 41.09	−26 51.5	2.443	3.388	6.4	20.6
4 11	12 33.68	−25 43.2	2.441	3.398	5.9	20.6
4 21	12 27.04	−24 22.7	2.467	3.407	7.0	20.6
5 1	12 21.79	−22 56.5	2.520	3.416	9.0	20.8

30811 1990 OD_2 3 31.8 229.°51 2.°7/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 10.98	+ 0 3.5	1.822	2.615	15.6	19.1
3 2	13 6.82	+ 0 36.3	1.724	2.604	12.4	18.9
3 12	13 0.05	+ 1 19.3	1.648	2.592	8.5	18.6
3 22	12 51.17	+ 2 7.9	1.596	2.580	4.5	18.4
4 1	12 41.04	+ 2 55.7	1.573	2.567	2.9	18.2
4 11	12 30.82	+ 3 35.9	1.578	2.554	6.5	18.4
4 21	12 21.61	+ 4 2.7	1.610	2.540	10.8	18.6
5 1	12 14.36	+ 4 12.6	1.665	2.525	14.7	18.8

258101 2001 QZ_{164} 3 31.8 154.°72 1.°8/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.95	− 1 7.0	2.353	3.130	12.9	21.4
3 2	13 4.34	− 0 31.8	2.268	3.140	10.1	21.2
3 12	12 57.79	+ 0 11.7	2.207	3.148	6.9	21.0
3 22	12 49.81	+ 0 59.6	2.173	3.156	3.5	20.8
4 1	12 41.08	+ 1 47.1	2.168	3.163	2.0	20.7
4 11	12 32.46	+ 2 29.0	2.194	3.170	4.9	20.9
4 21	12 24.70	+ 3 1.1	2.248	3.176	8.3	21.1
5 1	12 18.44	+ 3 20.7	2.327	3.181	11.3	21.3

436365 2010 KG_{125} 3 31.8 268.°91 0.°3/31.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.96	− 7 19.9	2.734	3.498	11.6	21.3
3 2	12 58.84	− 6 34.5	2.612	3.474	9.3	21.1
3 12	12 54.07	− 5 36.1	2.514	3.450	6.5	20.9
3 22	12 47.98	− 4 27.3	2.443	3.426	3.2	20.6
4 1	12 41.12	− 3 12.4	2.402	3.401	0.4	20.3
4 11	12 34.15	− 1 56.6	2.391	3.376	3.8	20.6
4 21	12 27.73	− 0 45.6	2.410	3.350	7.1	20.8
5 1	12 22.44	+ 0 16.0	2.455	3.324	10.2	20.9

32483 2000 SM_{362} 3 31.8 336.°33 2.°9/28.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.41	− 0 44.8	2.050	2.854	13.6	18.6
3 2	12 58.05	+ 0 27.2	1.962	2.850	10.7	18.4
3 12	12 53.70	+ 1 51.2	1.897	2.846	7.2	18.2
3 22	12 47.83	+ 3 21.3	1.858	2.842	3.9	18.0
4 1	12 41.13	+ 4 50.0	1.848	2.839	3.3	17.9
4 11	12 34.46	+ 6 9.6	1.866	2.836	6.3	18.1
4 21	12 28.61	+ 7 13.8	1.911	2.833	9.9	18.3
5 1	12 24.26	+ 7 58.8	1.979	2.830	13.1	18.5

351461 2005 MO_{39} 3 31.8 193.°30 3.°6/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.80	−19 45.5	3.056	3.747	12.0	21.9
3 2	13 0.86	−19 55.7	2.946	3.745	10.1	21.8
3 12	12 55.32	−19 51.8	2.858	3.742	8.0	21.6
3 22	12 48.56	−19 33.5	2.795	3.739	5.6	21.4
4 1	12 41.12	−19 1.8	2.760	3.736	3.8	21.3
4 11	12 33.63	−18 19.5	2.755	3.732	3.9	21.3
4 21	12 26.74	−17 30.5	2.778	3.728	5.9	21.4
5 1	12 20.99	−16 39.4	2.830	3.724	8.2	21.6

45129 1999 XJ_{91} 3 31.8 108.°62 0.°5/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.33	− 8 13.1	2.120	2.889	14.4	18.8
3 2	13 1.81	− 7 56.5	2.032	2.895	11.5	18.7
3 12	12 56.23	− 7 26.3	1.966	2.901	8.1	18.4
3 22	12 49.08	− 6 45.1	1.926	2.907	4.2	18.2
4 1	12 41.10	− 5 56.8	1.913	2.912	0.5	17.9
4 11	12 33.19	− 5 7.0	1.930	2.918	4.0	18.2
4 21	12 26.17	− 4 21.2	1.974	2.924	7.8	18.5
5 1	12 20.73	− 3 44.2	2.043	2.929	11.3	18.7

355846 2008 UH_{103} 3 31.8 280.°14 2.°0/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 10.80	− 9 16.1	1.429	2.213	19.5	21.0
3 2	13 7.44	− 9 39.5	1.341	2.210	15.9	20.7
3 12	13 0.91	− 9 46.1	1.272	2.207	11.5	20.4
3 22	12 51.76	− 9 36.4	1.225	2.204	6.5	20.2
4 1	12 41.04	− 9 13.2	1.203	2.201	2.1	19.9
4 11	12 30.23	− 8 42.3	1.207	2.197	5.4	20.1
4 21	12 20.76	− 8 10.9	1.236	2.194	10.6	20.3
5 1	12 13.78	− 7 46.1	1.288	2.191	15.3	20.6

292039 2006 QP_{182} 3 31.8 284.°47 2.°2/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.59	− 1 46.5	2.242	3.037	13.0	21.1
3 2	12 58.78	− 0 47.3	2.151	3.033	10.1	20.9
3 12	12 54.11	+ 0 23.0	2.082	3.029	6.9	20.7
3 22	12 48.01	+ 1 39.5	2.041	3.025	3.5	20.5
4 1	12 41.14	+ 2 56.2	2.028	3.022	2.5	20.4
4 11	12 34.29	+ 4 6.3	2.044	3.018	5.5	20.6
4 21	12 28.20	+ 5 4.3	2.087	3.014	8.9	20.8
5 1	12 23.50	+ 5 46.4	2.155	3.011	12.0	21.0

59257 1999 CO_{27} 3 31.8 328.°94 3.°4/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.61	+ 1 10.0	1.438	2.252	18.0	18.4
3 2	13 6.25	+ 1 39.9	1.359	2.250	14.2	18.1
3 12	12 59.90	+ 2 20.2	1.300	2.249	9.8	17.9
3 22	12 51.14	+ 3 4.9	1.264	2.248	5.3	17.6
4 1	12 41.07	+ 3 46.3	1.254	2.248	3.7	17.5
4 11	12 31.06	+ 4 16.4	1.270	2.247	7.6	17.7
4 21	12 22.43	+ 4 29.7	1.310	2.246	12.3	18.0
5 1	12 16.16	+ 4 23.4	1.372	2.245	16.5	18.2

90502 Buratti 3 31.8 41.°79 0.°9/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.54	− 4 27.0	2.672	3.453	11.5	19.4
3 2	12 56.74	− 3 43.7	2.594	3.467	8.9	19.3
3 12	12 52.45	− 2 50.9	2.539	3.482	6.1	19.1
3 22	12 47.07	− 1 52.2	2.511	3.496	3.0	18.9
4 1	12 41.17	− 0 51.9	2.513	3.511	1.0	18.8
4 11	12 35.36	+ 0 5.2	2.544	3.525	3.9	19.0
4 21	12 30.22	+ 0 54.8	2.603	3.541	6.8	19.2
5 1	12 26.22	+ 1 33.6	2.688	3.556	9.5	19.4

207848 2007 UV_{116} 3 31.8 181.°75 0.°8/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.17	− 6 0.4	2.258	3.038	13.3	20.4
3 2	12 59.22	− 5 11.2	2.166	3.038	10.5	20.2
3 12	12 54.40	− 4 8.6	2.096	3.038	7.2	19.9
3 22	12 48.15	− 2 56.3	2.054	3.038	3.5	19.7
4 1	12 41.14	− 1 40.0	2.039	3.038	0.9	19.5
4 11	12 34.17	− 0 26.0	2.055	3.038	4.4	19.8
4 21	12 27.98	+ 0 39.6	2.097	3.037	8.1	20.0
5 1	12 23.19	+ 1 32.2	2.166	3.037	11.3	20.2

30563 2001 OZ_{75} 3 31.8 237.°94 1.°6/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.27	− 2 16.4	2.227	3.015	13.2	19.7
3 2	13 0.91	− 1 42.2	2.134	3.012	10.4	19.5
3 12	12 55.59	− 0 58.0	2.064	3.008	7.1	19.3
3 22	12 48.77	− 0 7.6	2.020	3.005	3.6	19.1
4 1	12 41.13	+ 0 43.9	2.005	3.002	1.8	18.9
4 11	12 33.51	+ 1 30.9	2.019	2.998	4.9	19.1
4 21	12 26.68	+ 2 8.5	2.060	2.995	8.5	19.3
5 1	12 21.33	+ 2 33.3	2.126	2.991	11.7	19.5

352071 2006 WC_{111} 3 31.8 164.°23 1.°6/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.88	− 0 29.7	2.981	3.759	10.5	22.4
3 2	12 59.97	+ 0 5.4	2.891	3.764	8.2	22.3
3 12	12 54.60	+ 0 46.9	2.826	3.768	5.5	22.1
3 22	12 48.15	+ 1 31.5	2.788	3.772	2.8	21.9
4 1	12 41.15	+ 2 15.4	2.781	3.775	1.8	21.8
4 11	12 34.19	+ 2 54.8	2.804	3.778	4.1	22.0
4 21	12 27.85	+ 3 26.2	2.856	3.781	6.9	22.2
5 1	12 22.60	+ 3 47.5	2.933	3.783	9.3	22.3

316400 2010 TQ_{65} 3 31.8 349.°62 2.°2/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.95	−12 42.1	1.513	2.292	18.8	20.8
3 2	13 1.75	−12 32.5	1.425	2.291	15.4	20.5
3 12	12 56.78	−12 0.4	1.357	2.289	11.2	20.3
3 22	12 49.58	−11 7.1	1.311	2.288	6.5	20.0
4 1	12 41.11	− 9 57.0	1.290	2.287	2.4	19.7
4 11	12 32.63	− 8 38.7	1.295	2.286	5.0	19.9
4 21	12 25.35	− 7 21.5	1.325	2.285	9.8	20.1
5 1	12 20.24	− 6 14.5	1.379	2.285	14.2	20.4

98071 2000 RW_{54} 3 31.8 158.°19 5.°0/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.58	−21 3.8	2.043	2.747	16.9	19.6
3 2	13 5.47	−21 15.6	1.948	2.754	14.3	19.5
3 12	12 58.95	−21 5.9	1.873	2.761	11.3	19.3
3 22	12 50.54	−20 33.5	1.821	2.767	8.0	19.1
4 1	12 41.10	−19 39.7	1.796	2.772	5.4	18.9
4 11	12 31.68	−18 29.3	1.798	2.777	5.5	18.9
4 21	12 23.29	−17 9.6	1.828	2.781	8.1	19.1
5 1	12 16.76	−15 49.0	1.884	2.784	11.3	19.3

63544 2001 PD_{47} 3 31.8 124.°26 0.°2/ 1.0 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 5.15	− 7 34.0	2.787	3.542	11.7	20.2
3 2	13 1.04	− 7 10.6	2.703	3.558	9.2	20.0
3 12	12 55.35	− 6 36.9	2.642	3.574	6.4	19.9
3 22	12 48.53	− 5 55.3	2.609	3.589	3.3	19.7
4 1	12 41.15	− 5 9.3	2.605	3.604	0.2	19.4
4 11	12 33.86	− 4 23.0	2.632	3.618	3.2	19.7
4 21	12 27.29	− 3 40.5	2.688	3.632	6.3	19.9
5 1	12 21.92	− 3 5.1	2.771	3.646	9.0	20.1

229180 2004 TU_{177} 3 31.8 216.°13 0.°6/ 1.3 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 6.18	− 8 28.5	2.161	2.926	14.3	21.8
3 2	13 2.56	− 8 12.2	2.061	2.922	11.5	21.6
3 12	12 56.83	− 7 42.0	1.983	2.917	8.1	21.4
3 22	12 49.44	− 7 0.2	1.931	2.911	4.3	21.1
4 1	12 41.13	− 6 10.5	1.906	2.905	0.6	20.8
4 11	12 32.78	− 5 18.5	1.911	2.899	4.0	21.1
4 21	12 25.26	− 4 29.7	1.944	2.893	8.0	21.3
5 1	12 19.31	− 3 49.3	2.002	2.886	11.5	21.5

95854 2003 GD_3 3 31.8 274.°52 0.°3/ 1.0 16

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 9.58	− 6 32.7	1.558	2.346	18.0	19.9
3 2	13 6.39	− 6 34.2	1.453	2.328	14.6	19.7
3 12	13 0.21	− 6 20.5	1.368	2.309	10.4	19.4
3 22	12 51.47	− 5 53.3	1.307	2.290	5.4	19.0
4 1	12 41.08	− 5 16.6	1.271	2.270	0.3	18.6
4 11	12 30.38	− 4 37.1	1.262	2.251	5.6	18.9
4 21	12 20.74	− 4 2.0	1.278	2.231	10.9	19.2
5 1	12 13.35	− 3 37.8	1.317	2.211	15.7	19.4

134922 2000 YV_{104} 3 31.8 41.°89 13.°2/ 8.6 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 20.51	−27 35.0	1.414	2.098	23.9	18.6
3 2	13 15.93	−30 17.5	1.344	2.113	21.4	18.4
3 12	13 7.35	−32 37.4	1.290	2.129	18.5	18.2
3 22	12 55.27	−34 24.2	1.256	2.145	15.7	18.1
4 1	12 40.99	−35 29.3	1.243	2.162	13.8	18.0
4 11	12 26.48	−35 50.6	1.253	2.180	13.3	18.1
4 21	12 13.72	−35 33.7	1.286	2.198	14.5	18.2
5 1	12 4.25	−34 50.5	1.339	2.216	16.6	18.3

96210 1993 FR_{14} 3 31.8 190.°36 2.°7/28.7 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 6.05	+ 1 14.1	2.412	3.200	12.3	20.4
3 2	13 2.11	+ 2 2.0	2.321	3.199	9.7	20.2
3 12	12 56.31	+ 2 57.5	2.253	3.197	6.6	20.0
3 22	12 49.11	+ 3 56.0	2.213	3.195	3.6	19.8
4 1	12 41.15	+ 4 52.2	2.203	3.193	2.9	19.7
4 11	12 33.21	+ 5 40.4	2.221	3.190	5.6	19.9
4 21	12 26.05	+ 6 16.7	2.268	3.186	8.7	20.1
5 1	12 20.28	+ 6 38.2	2.339	3.182	11.6	20.3

249442 2009 FO_{57} 3 31.8 317.°20 1.°0/30.7 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 1.57	− 4 47.2	2.184	2.971	13.5	20.7
3 2	12 58.88	− 4 8.7	2.088	2.964	10.7	20.5
3 12	12 54.25	− 3 17.7	2.014	2.957	7.3	20.3
3 22	12 48.12	− 2 17.8	1.966	2.951	3.6	20.1
4 1	12 41.17	− 1 14.2	1.946	2.945	1.1	19.9
4 11	12 34.20	− 0 13.1	1.955	2.938	4.6	20.1
4 21	12 28.01	+ 0 39.8	1.991	2.932	8.4	20.3
5 1	12 23.25	+ 1 20.1	2.052	2.927	11.7	20.5

189827 2002 TE_{53} 3 31.8 200.°54 0.°8/31.1 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 11.77	− 4 59.2	1.829	2.606	16.1	21.1
3 2	13 7.40	− 4 35.4	1.733	2.602	12.9	20.8
3 12	13 0.42	− 3 57.7	1.658	2.598	8.9	20.6
3 22	12 51.36	− 3 9.4	1.609	2.592	4.5	20.3
4 1	12 41.10	− 2 16.0	1.587	2.586	0.9	20.0
4 11	12 30.78	− 1 24.2	1.595	2.579	5.3	20.3
4 21	12 21.53	− 0 40.6	1.629	2.571	9.8	20.6
5 1	12 14.25	− 0 10.3	1.688	2.562	13.8	20.8

438637 2008 CY_{13} 3 31.8 114.°90 3.°5/27.1 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 2.50	+ 4 17.8	2.553	3.352	11.4	21.4
3 2	12 59.15	+ 5 21.6	2.476	3.361	8.9	21.2
3 12	12 54.16	+ 6 30.5	2.424	3.369	6.2	21.0
3 22	12 47.98	+ 7 39.5	2.400	3.377	3.9	20.9
4 1	12 41.19	+ 8 42.8	2.404	3.385	3.9	20.9
4 11	12 34.49	+ 9 35.3	2.438	3.393	6.1	21.1
4 21	12 28.52	+10 13.5	2.499	3.400	8.7	21.2
5 1	12 23.79	+10 35.5	2.584	3.408	11.2	21.4

222578 2001 WX_5 3 31.8 332.°57 4.°8/ 5.4 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 3.06	−19 27.0	1.722	2.463	18.3	20.2
3 2	13 0.83	−19 34.3	1.627	2.459	15.5	20.0
3 12	12 56.05	−19 17.3	1.550	2.455	12.1	19.7
3 22	12 49.20	−18 35.0	1.494	2.451	8.3	19.5
4 1	12 41.16	−17 29.1	1.464	2.448	5.3	19.3
4 11	12 33.06	−16 6.0	1.460	2.445	5.5	19.3
4 21	12 26.03	−14 34.6	1.481	2.442	8.9	19.5
5 1	12 20.96	−13 4.8	1.527	2.440	12.7	19.7

299355 2005 SX_{249} 3 31.8 208.°31 2.°4/28.6 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 1.86	+ 0 8.0	2.590	3.381	11.5	20.7
3 2	12 58.70	+ 1 4.8	2.498	3.378	9.0	20.5
3 12	12 53.91	+ 2 9.7	2.430	3.376	6.1	20.3
3 22	12 47.88	+ 3 18.5	2.390	3.373	3.3	20.2
4 1	12 41.19	+ 4 25.7	2.380	3.371	2.6	20.1
4 11	12 34.53	+ 5 26.1	2.399	3.368	5.2	20.3
4 21	12 28.53	+ 6 15.1	2.446	3.365	8.1	20.4
5 1	12 23.74	+ 6 49.9	2.517	3.361	10.9	20.6

180125 2003 FH_{63} 3 31.8 166.°25 1.°7/29.6 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 1.86	− 2 22.6	2.553	3.338	11.8	20.3
3 2	12 58.72	− 1 29.7	2.463	3.340	9.2	20.1
3 12	12 53.92	− 0 27.1	2.397	3.341	6.3	19.9
3 22	12 47.89	+ 0 41.1	2.358	3.342	3.2	19.7
4 1	12 41.20	+ 1 49.8	2.349	3.344	1.9	19.6
4 11	12 34.56	+ 2 53.4	2.369	3.344	4.6	19.8
4 21	12 28.60	+ 3 47.2	2.417	3.345	7.8	20.0
5 1	12 23.88	+ 4 27.9	2.490	3.346	10.6	20.2

434589 2005 UG_{199} 3 31.8 246.°93 0.°2/ 1.1 16

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 2.61	− 8 18.6	2.867	3.623	11.3	22.2
3 2	12 59.24	− 7 46.6	2.751	3.607	9.1	22.0
3 12	12 54.28	− 7 2.9	2.658	3.591	6.4	21.8
3 22	12 48.09	− 6 9.7	2.593	3.574	3.3	21.6
4 1	12 41.20	− 5 10.2	2.557	3.557	0.2	21.2
4 11	12 34.23	− 4 9.2	2.552	3.539	3.3	21.5
4 21	12 27.81	− 3 11.1	2.576	3.521	6.5	21.7
5 1	12 22.50	− 2 20.4	2.627	3.502	9.4	21.8

310492 2000 UK_{26} 3 31.8 146.°44 1.°7/ 2.6 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 6.94	−14 13.4	1.930	2.678	16.3	21.0
3 2	13 3.34	−13 33.0	1.842	2.688	13.3	20.8
3 12	12 57.43	−12 31.2	1.774	2.697	9.6	20.6
3 22	12 49.75	−11 10.3	1.731	2.706	5.5	20.4
4 1	12 41.16	− 9 35.6	1.717	2.713	1.9	20.2
4 11	12 32.67	− 7 55.3	1.731	2.720	4.2	20.3
4 21	12 25.23	− 6 18.0	1.774	2.727	8.3	20.6
5 1	12 19.59	− 4 51.8	1.842	2.733	12.0	20.8

375288 2008 LE_1 3 31.8 273.°04 0.°7/ 1.5 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 2.26	−11 47.2	1.842	2.614	16.2	21.9
3 2	12 59.94	−10 56.7	1.739	2.602	13.1	21.6
3 12	12 55.30	− 9 43.7	1.656	2.591	9.4	21.4
3 22	12 48.78	− 8 11.1	1.598	2.579	5.0	21.1
4 1	12 41.18	− 6 24.6	1.568	2.567	0.7	20.8
4 11	12 33.50	− 4 33.6	1.566	2.555	4.6	21.0
4 21	12 26.73	− 2 47.9	1.591	2.543	9.2	21.2
5 1	12 21.71	− 1 16.1	1.641	2.531	13.3	21.5

245983 Machholz 3 31.8 97.°70 3.°1/ 5.1 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 1.96	−20 2.6	2.468	3.178	14.1	20.4
3 2	12 58.93	−19 24.8	2.373	3.188	11.8	20.2
3 12	12 54.12	−18 26.6	2.300	3.198	9.0	20.0
3 22	12 47.99	−17 9.1	2.251	3.208	6.0	19.9
4 1	12 41.20	−15 36.0	2.231	3.218	3.4	19.7
4 11	12 34.51	−13 53.3	2.241	3.227	3.8	19.7
4 21	12 28.61	−12 8.2	2.280	3.237	6.5	19.9
5 1	12 24.06	−10 27.8	2.347	3.246	9.4	20.1

382753 2003 EU_8 3 31.8 70.°87 7.°4/ 9.8 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 16.00	−29 48.8	2.509	3.125	15.9	21.9
3 2	13 9.96	−30 49.7	2.443	3.168	13.9	21.8
3 12	13 1.70	−31 30.0	2.396	3.211	11.8	21.7
3 22	12 51.80	−31 46.9	2.371	3.252	9.6	21.7
4 1	12 41.13	−31 39.5	2.372	3.293	8.0	21.6
4 11	12 30.68	−31 10.2	2.401	3.334	7.4	21.7
4 21	12 21.35	−30 24.0	2.457	3.373	8.2	21.8
5 1	12 13.83	−29 27.7	2.539	3.412	9.8	21.9

222313 2000 SQ_{356} 3 31.8 234.°11 7.°4/24.4 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 9.17	+14 23.7	1.993	2.800	13.9	19.9
3 2	13 5.06	+15 29.9	1.915	2.795	11.3	19.7
3 12	12 58.60	+16 34.8	1.860	2.789	8.9	19.6
3 22	12 50.36	+17 30.7	1.830	2.783	7.4	19.5
4 1	12 41.16	+18 9.9	1.828	2.777	8.0	19.5
4 11	12 32.04	+18 26.8	1.851	2.770	10.1	19.6
4 21	12 23.96	+18 19.1	1.899	2.763	12.9	19.8
5 1	12 17.69	+17 47.7	1.968	2.757	15.5	19.9

235395 2003 WS_{151} 3 31.8 117.°53 0.°1/31.7 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 3.57	− 7 55.4	2.219	2.990	13.8	21.1
3 2	13 0.33	− 7 16.1	2.132	2.997	11.0	20.9
3 12	12 55.16	− 6 22.6	2.067	3.004	7.6	20.7
3 22	12 48.55	− 5 18.4	2.029	3.012	3.8	20.5
4 1	12 41.20	− 4 8.3	2.019	3.018	0.2	20.2
4 11	12 33.92	− 2 58.7	2.039	3.025	4.1	20.5
4 21	12 27.49	− 1 55.6	2.086	3.032	7.8	20.8
5 1	12 22.52	− 1 3.7	2.159	3.038	11.0	21.0

98806 2000 YU_{117} 3 31.8 40.°36 8.°6/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 10.44	−22 50.9	1.513	2.235	21.2	18.8
3 2	13 7.24	−24 11.3	1.432	2.240	18.4	18.6
3 12	13 0.83	−25 8.5	1.367	2.247	15.1	18.4
3 22	12 51.77	−25 37.5	1.321	2.253	11.7	18.2
4 1	12 41.12	−25 35.5	1.299	2.260	9.1	18.1
4 11	12 30.40	−25 5.0	1.301	2.268	8.8	18.0
4 21	12 21.06	−24 13.2	1.327	2.275	11.0	18.2
5 1	12 14.26	−23 10.5	1.376	2.283	14.2	18.4

54621 2000 SS_{12} 3 31.8 257.°49 3.°4/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.46	+ 3 33.1	2.392	3.191	12.1	19.8
3 2	13 0.17	+ 4 25.3	2.298	3.182	9.5	19.6
3 12	12 55.04	+ 5 24.0	2.227	3.173	6.6	19.4
3 22	12 48.51	+ 6 24.2	2.184	3.163	4.0	19.3
4 1	12 41.20	+ 7 20.2	2.169	3.154	3.7	19.2
4 11	12 33.89	+ 8 6.4	2.183	3.145	6.2	19.4
4 21	12 27.29	+ 8 38.8	2.224	3.135	9.2	19.5
5 1	12 22.04	+ 8 54.9	2.289	3.125	12.1	19.7

69049 2002 XP_{76} 3 31.8 24.°71 10.°0/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.63	+18 43.4	1.657	2.474	15.8	19.1
3 2	13 5.85	+20 7.3	1.596	2.475	13.2	19.0
3 12	12 59.34	+21 25.6	1.557	2.476	11.0	18.8
3 22	12 50.76	+22 27.8	1.541	2.478	10.0	18.8
4 1	12 41.16	+23 4.6	1.550	2.479	10.8	18.8
4 11	12 31.79	+23 10.5	1.583	2.481	12.9	18.9
4 21	12 23.77	+22 44.8	1.638	2.483	15.5	19.1
5 1	12 17.93	+21 50.4	1.711	2.485	18.0	19.3

493266 2014 UQ_{132} 3 31.8 109.°15 3.°2/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.10	+ 2 31.0	2.173	2.965	13.4	21.6
3 2	13 3.74	+ 3 24.3	2.105	2.986	10.4	21.5
3 12	12 57.39	+ 4 24.0	2.062	3.006	7.1	21.3
3 22	12 49.62	+ 5 24.6	2.045	3.025	4.1	21.1
4 1	12 41.19	+ 6 20.1	2.057	3.044	3.5	21.1
4 11	12 32.97	+ 7 4.7	2.098	3.063	6.2	21.3
4 21	12 25.74	+ 7 34.9	2.167	3.081	9.3	21.5
5 1	12 20.09	+ 7 48.7	2.260	3.098	12.1	21.8

313054 2000 RU_{99} 3 31.8 233.°91 15.°9/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 20.01	−30 24.6	1.315	1.993	25.7	20.9
3 2	13 16.58	−33 6.8	1.226	1.987	23.5	20.6
3 12	13 8.68	−35 28.3	1.151	1.980	20.9	20.4
3 22	12 56.46	−37 16.6	1.093	1.973	18.3	20.2
4 1	12 41.03	−38 19.2	1.055	1.966	16.4	20.1
4 11	12 24.54	−38 29.5	1.037	1.958	16.0	20.0
4 21	12 9.55	−37 51.2	1.040	1.949	17.3	20.0
5 1	11 58.24	−36 37.4	1.061	1.940	19.8	20.2

238788 2005 KX_3 3 31.8 104.°28 1.°7/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.44	− 1 49.2	2.230	3.018	13.2	21.1
3 2	13 0.98	− 1 12.4	2.146	3.024	10.3	20.9
3 12	12 55.59	− 0 26.2	2.085	3.029	7.0	20.7
3 22	12 48.78	+ 0 25.3	2.050	3.035	3.5	20.5
4 1	12 41.21	+ 1 17.0	2.044	3.040	1.9	20.4
4 11	12 33.73	+ 2 3.3	2.067	3.046	5.0	20.6
4 21	12 27.08	+ 2 39.7	2.118	3.051	8.4	20.8
5 1	12 21.90	+ 3 2.9	2.193	3.056	11.5	21.0

15740 Hyakumangoku 3 31.8 44.°48 2.°3/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.14	− 5 39.7	1.524	2.333	17.4	17.1
3 2	12 59.23	− 4 7.7	1.453	2.343	13.6	16.8
3 12	12 54.82	− 2 15.1	1.404	2.354	9.1	16.6
3 22	12 48.50	− 0 9.9	1.379	2.365	4.5	16.4
4 1	12 41.22	+ 1 56.8	1.382	2.377	2.7	16.3
4 11	12 34.12	+ 3 52.9	1.411	2.389	6.8	16.6
4 21	12 28.22	+ 5 28.8	1.467	2.402	11.3	16.8
5 1	12 24.27	+ 6 38.7	1.544	2.414	15.1	17.1

318015 2004 DG_4 3 31.8 13.°16 0.°1/31.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 28.25	+ 1 4.9	1.027	1.834	24.1	19.5
3 2	13 22.74	− 0 19.6	0.950	1.834	19.6	19.2
3 12	13 12.45	− 1 44.5	0.890	1.835	13.9	18.9
3 22	12 57.99	− 3 10.3	0.852	1.836	7.2	18.5
4 1	12 41.02	− 4 35.9	0.838	1.837	0.2	18.0
4 11	12 24.00	− 6 0.2	0.850	1.839	7.4	18.5
4 21	12 9.33	− 7 22.2	0.887	1.842	14.1	18.9
5 1	11 58.68	− 8 42.8	0.945	1.844	19.8	19.2

309027 2006 UD_{140} 3 31.8 210.°61 0.°7/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.98	− 3 31.6	2.653	3.423	11.8	21.6
3 2	13 1.92	− 3 18.7	2.553	3.419	9.3	21.4
3 12	12 56.14	− 2 57.7	2.477	3.415	6.4	21.2
3 22	12 49.04	− 2 31.2	2.427	3.411	3.2	21.0
4 1	12 41.22	− 2 2.3	2.408	3.406	0.7	20.8
4 11	12 33.39	− 1 35.0	2.418	3.402	3.8	21.0
4 21	12 26.23	− 1 12.8	2.457	3.397	7.1	21.2
5 1	12 20.34	− 0 58.6	2.522	3.391	10.0	21.4

98452 2000 UB_{65} 3 31.8 41.°31 2.°6/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.93	−10 34.4	1.316	2.106	20.6	19.5
3 2	13 5.97	−10 59.5	1.245	2.117	16.7	19.3
3 12	12 59.83	−11 5.0	1.193	2.128	12.1	19.1
3 22	12 51.17	−10 51.8	1.162	2.140	7.0	18.8
4 1	12 41.17	−10 23.0	1.155	2.152	2.7	18.6
4 11	12 31.34	− 9 45.6	1.174	2.165	5.4	18.8
4 21	12 23.06	− 9 7.4	1.217	2.178	10.4	19.1
5 1	12 17.34	− 8 36.2	1.282	2.192	14.9	19.4

244797 2003 SZ_{245} 3 31.8 194.°54 0.°1/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.23	− 5 37.4	2.235	3.006	13.7	20.8
3 2	13 3.27	− 5 26.5	2.140	3.005	10.9	20.6
3 12	12 57.26	− 5 4.8	2.067	3.004	7.6	20.4
3 22	12 49.67	− 4 34.6	2.020	3.002	3.8	20.2
4 1	12 41.21	− 3 59.7	2.001	3.000	0.2	19.8
4 11	12 32.75	− 3 24.9	2.012	2.998	4.1	20.2
4 21	12 25.12	− 2 54.7	2.051	2.996	7.9	20.4
5 1	12 19.02	− 2 33.0	2.115	2.994	11.3	20.6

56383 2000 EJ_{47} 3 31.8 289.°27 0.°0/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.15	− 5 31.3	1.430	2.229	18.8	18.7
3 2	13 6.37	− 5 35.9	1.328	2.209	15.2	18.4
3 12	13 0.42	− 5 25.5	1.244	2.188	10.8	18.1
3 22	12 51.69	− 5 2.1	1.183	2.167	5.6	17.7
4 1	12 41.16	− 4 30.0	1.147	2.146	0.1	17.2
4 11	12 30.25	− 3 56.2	1.137	2.126	6.0	17.6
4 21	12 20.47	− 3 28.0	1.151	2.105	11.7	17.8
5 1	12 13.10	− 3 12.0	1.187	2.084	16.7	18.1

383727 2007 UK_{99} 3 31.8 36.°27 2.°8/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.12	−15 23.8	1.959	2.711	16.0	20.7
3 2	12 59.53	−15 13.9	1.876	2.721	13.2	20.5
3 12	12 54.80	−14 44.4	1.813	2.731	9.8	20.3
3 22	12 48.44	−13 56.5	1.773	2.742	6.1	20.1
4 1	12 41.23	−12 53.9	1.760	2.753	3.0	19.9
4 11	12 34.12	−11 42.8	1.775	2.764	4.1	20.0
4 21	12 27.97	−10 30.3	1.816	2.776	7.6	20.3
5 1	12 23.46	− 9 23.5	1.883	2.788	11.1	20.5

464803 2004 PY_{60} 3 31.8 248.°26 2.°1/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.27	−12 56.9	2.316	3.056	14.2	22.2
3 2	13 3.48	−12 54.2	2.197	3.037	11.7	21.9
3 12	12 57.56	−12 36.2	2.100	3.018	8.6	21.7
3 22	12 49.91	−12 3.5	2.028	2.999	5.2	21.5
4 1	12 41.20	−11 18.2	1.984	2.979	2.3	21.2
4 11	12 32.31	−10 24.8	1.969	2.958	3.9	21.3
4 21	12 24.12	− 9 28.9	1.983	2.936	7.6	21.5
5 1	12 17.41	− 8 36.4	2.023	2.914	11.1	21.6

85291 1994 PF_{33} 3 31.8 207.°84 0.°6/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.51	− 6 10.3	2.009	2.781	15.0	20.6
3 2	13 5.40	− 5 33.4	1.908	2.774	12.0	20.3
3 12	12 58.94	− 4 41.7	1.828	2.767	8.3	20.1
3 22	12 50.61	− 3 38.4	1.775	2.758	4.2	19.8
4 1	12 41.19	− 2 29.1	1.750	2.749	0.7	19.5
4 11	12 31.71	− 1 20.7	1.754	2.739	4.9	19.8
4 21	12 23.14	− 0 20.0	1.787	2.727	9.2	20.1
5 1	12 16.32	+ 0 27.3	1.844	2.715	13.0	20.3

466284 2013 PF_{18} 3 31.8 151.°88 4.°7/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.41	+ 4 41.8	2.042	2.848	13.7	21.5
3 2	13 1.93	+ 6 5.0	1.966	2.853	10.7	21.3
3 12	12 56.35	+ 7 35.4	1.914	2.859	7.5	21.1
3 22	12 49.19	+ 9 5.9	1.888	2.864	5.0	21.0
4 1	12 41.22	+10 28.2	1.891	2.868	5.2	21.0
4 11	12 33.36	+11 35.2	1.923	2.872	7.8	21.2
4 21	12 26.44	+12 22.2	1.980	2.876	10.9	21.4
5 1	12 21.13	+12 47.1	2.060	2.880	13.8	21.6

307501 2002 YB_1 3 31.8 172.°96 1.°0/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.74	− 3 25.1	2.426	3.194	12.9	20.7
3 2	13 4.99	− 3 1.1	2.333	3.198	10.2	20.5
3 12	12 58.31	− 2 27.8	2.263	3.201	7.0	20.3
3 22	12 50.16	− 1 48.3	2.221	3.204	3.5	20.1
4 1	12 41.22	− 1 6.7	2.208	3.206	1.1	19.9
4 11	12 32.33	− 0 27.7	2.225	3.207	4.3	20.2
4 21	12 24.26	+ 0 4.3	2.272	3.207	7.8	20.4
5 1	12 17.65	+ 0 26.1	2.344	3.207	10.9	20.6

242421 2004 HB_{38} 3 31.8 66.°32 2.°8/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.43	+ 1 42.3	2.108	2.907	13.5	20.6
3 2	13 1.79	+ 2 20.9	2.036	2.920	10.6	20.4
3 12	12 56.15	+ 3 6.4	1.987	2.933	7.2	20.3
3 22	12 49.06	+ 3 53.7	1.964	2.947	3.9	20.1
4 1	12 41.25	+ 4 37.5	1.969	2.960	3.1	20.0
4 11	12 33.60	+ 5 12.2	2.003	2.974	5.8	20.2
4 21	12 26.89	+ 5 34.2	2.063	2.987	9.1	20.5
5 1	12 21.75	+ 5 41.4	2.147	3.001	12.1	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
326105	2011 CY_{33}		3 31.8	307.°51	6.°8/24.9	17
	h m	° ′			°	m
2 21	13 3.14	+ 8 7.1	1.658	2.484	15.4	20.2
3 2	13 0.86	+ 9 36.6	1.575	2.472	12.2	20.0
3 12	12 56.05	+11 13.3	1.514	2.460	9.1	19.8
3 22	12 49.22	+12 47.9	1.478	2.448	6.9	19.6
4 1	12 41.25	+14 9.8	1.468	2.436	7.6	19.6
4 11	12 33.25	+15 10.0	1.484	2.424	10.5	19.7
4 21	12 26.31	+15 42.9	1.523	2.413	13.9	19.9
5 1	12 21.29	+15 47.1	1.581	2.403	17.2	20.1
147222	2002 XS_{28}		3 31.8	116.°60	0.°8/ 1.6	18
2 21	13 8.69	− 9 41.9	2.047	2.806	15.2	20.2
3 2	13 4.47	− 9 21.2	1.968	2.824	12.2	20.1
3 12	12 58.07	− 8 45.4	1.910	2.841	8.6	19.9
3 22	12 50.05	− 7 56.9	1.878	2.857	4.6	19.6
4 1	12 41.24	− 7 0.3	1.875	2.874	0.9	19.4
4 11	12 32.59	− 6 1.6	1.901	2.889	4.0	19.7
4 21	12 24.97	− 5 6.9	1.954	2.904	7.9	19.9
5 1	12 19.06	− 4 21.4	2.034	2.918	11.4	20.2
96246	1994 JZ_5		3 31.8	124.°04	2.°5/29.2	18
2 21	13 8.94	+ 1 4.8	2.255	3.040	13.2	19.7
3 2	13 4.39	+ 1 41.2	2.179	3.056	10.3	19.6
3 12	12 57.86	+ 2 24.4	2.128	3.071	7.0	19.4
3 22	12 49.91	+ 3 9.9	2.103	3.085	3.7	19.2
4 1	12 41.25	+ 3 52.7	2.107	3.099	2.7	19.2
4 11	12 32.76	+ 4 27.6	2.141	3.113	5.4	19.4
4 21	12 25.21	+ 4 50.9	2.203	3.126	8.7	19.6
5 1	12 19.20	+ 5 0.6	2.289	3.138	11.6	19.8
412658	2014 OH_{193}		3 31.8	60.°60	2.°3/ 2.3	18
2 21	13 13.62	− 8 49.2	1.517	2.292	18.9	20.6
3 2	13 9.33	− 9 28.6	1.438	2.301	15.4	20.3
3 12	13 2.00	− 9 53.8	1.379	2.311	11.1	20.1
3 22	12 52.26	−10 4.8	1.344	2.321	6.4	19.9
4 1	12 41.20	−10 3.5	1.334	2.330	2.4	19.6
4 11	12 30.25	− 9 54.2	1.351	2.340	5.1	19.8
4 21	12 20.71	− 9 42.6	1.394	2.351	9.8	20.1
5 1	12 13.58	− 9 34.3	1.461	2.361	14.0	20.4
303399	2004 XO_{105}		3 31.8	101.°02	3.°2/ 3.4	18
2 21	13 10.72	−14 2.2	1.636	2.391	18.6	20.8
3 2	13 6.77	−14 14.5	1.559	2.406	15.3	20.6
3 12	13 0.06	−14 6.7	1.501	2.421	11.3	20.4
3 22	12 51.20	−13 39.1	1.466	2.436	7.0	20.2
4 1	12 41.23	−12 54.8	1.457	2.450	3.4	20.0
4 11	12 31.42	−12 0.1	1.475	2.464	4.9	20.1
4 21	12 22.93	−11 2.8	1.520	2.477	9.0	20.4
5 1	12 16.63	−10 10.6	1.589	2.490	13.0	20.6
381169	2007 HM_{90}		3 31.8	283.°05	7.°8/23.8	18
2 21	13 7.02	+14 6.2	1.902	2.717	14.2	20.4
3 2	13 3.63	+15 22.6	1.816	2.700	11.6	20.2
3 12	12 57.82	+16 39.4	1.753	2.684	9.2	20.0
3 22	12 50.09	+17 48.1	1.715	2.667	7.8	19.9
4 1	12 41.26	+18 39.8	1.703	2.651	8.5	19.9
4 11	12 32.39	+19 7.8	1.717	2.634	10.9	20.0
4 21	12 24.51	+19 9.0	1.754	2.618	13.8	20.1
5 1	12 18.46	+18 43.4	1.811	2.601	16.6	20.3
341768	2007 VZ_{330}		3 31.8	69.°58	1.°5/ 2.5	17
2 21	13 3.85	−11 43.2	2.194	2.950	14.4	21.1
3 2	13 0.59	−11 28.1	2.111	2.963	11.6	20.9
3 12	12 55.37	−10 57.6	2.049	2.975	8.4	20.7
3 22	12 48.70	−10 13.7	2.013	2.988	4.7	20.5
4 1	12 41.29	− 9 20.1	2.004	3.001	1.6	20.3
4 11	12 33.98	− 8 22.3	2.024	3.014	3.7	20.5
4 21	12 27.54	− 7 26.0	2.072	3.027	7.2	20.7
5 1	12 22.60	− 6 36.4	2.146	3.040	10.5	20.9
509350	2006 YG_{51}		3 31.8	167.°37	7.°2/13.2	18
2 21	13 8.42	−38 0.4	3.647	4.181	12.2	23.2
3 2	13 3.77	−38 43.3	3.540	4.186	11.2	23.1
3 12	12 57.40	−39 9.4	3.451	4.191	10.0	23.0
3 22	12 49.72	−39 16.2	3.382	4.195	8.8	23.0
4 1	12 41.29	−39 2.6	3.337	4.198	7.8	22.9
4 11	12 32.80	−38 29.3	3.317	4.202	7.2	22.9
4 21	12 24.94	−37 39.0	3.324	4.204	7.4	22.9
5 1	12 18.29	−36 36.2	3.357	4.206	8.3	22.9
408388	2013 GC_{104}		3 31.8	47.°53	1.°4/30.7	18
2 21	13 5.06	− 5 30.5	1.362	2.172	19.0	20.6
3 2	13 2.73	− 4 46.2	1.291	2.180	15.0	20.4
3 12	12 57.50	− 3 42.9	1.238	2.187	10.3	20.1
3 22	12 49.98	− 2 26.0	1.209	2.195	5.1	19.8
4 1	12 41.28	− 1 4.3	1.205	2.203	1.6	19.6
4 11	12 32.74	+ 0 11.7	1.227	2.212	6.4	20.0
4 21	12 25.59	+ 1 13.1	1.273	2.220	11.4	20.3
5 1	12 20.75	+ 1 54.0	1.340	2.229	15.8	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
196424	2003 HJ_{14}		3 31.8	317.°21	4.°1/27.6	17
	h m	° ′			°	m
2 21	12 59.60	− 0 33.8	1.575	2.398	16.2	20.0
3 2	12 58.23	+ 0 54.5	1.482	2.380	12.8	19.7
3 12	12 54.36	+ 2 40.6	1.410	2.364	8.8	19.4
3 22	12 48.44	+ 4 36.9	1.363	2.347	5.0	19.1
4 1	12 41.31	+ 6 32.5	1.343	2.332	4.7	19.1
4 11	12 34.08	+ 8 15.6	1.349	2.316	8.5	19.3
4 21	12 27.84	+ 9 36.6	1.379	2.302	12.9	19.5
5 1	12 23.52	+10 29.9	1.430	2.287	16.8	19.7
428337	2007 HB_{97}		3 31.8	337.°29	9.°5/24.1	18
2 21	13 7.85	+16 12.6	1.526	2.353	16.5	19.9
3 2	13 4.82	+17 19.9	1.454	2.343	13.6	19.6
3 12	12 58.89	+18 23.9	1.403	2.334	11.0	19.5
3 22	12 50.69	+19 14.4	1.374	2.326	9.5	19.4
4 1	12 41.27	+19 41.6	1.370	2.318	10.2	19.4
4 11	12 31.96	+19 39.0	1.389	2.311	12.6	19.5
4 21	12 23.98	+19 5.1	1.431	2.305	15.7	19.6
5 1	12 18.27	+18 2.4	1.491	2.299	18.7	19.8
65608	3441 $T\text{-}_3$		3 31.8	246.°01	0.°4/31.5	17
2 21	13 9.21	− 6 5.3	1.711	2.495	16.8	20.6
3 2	13 5.74	− 5 45.3	1.609	2.482	13.5	20.4
3 12	12 59.54	− 5 9.7	1.527	2.467	9.5	20.1
3 22	12 51.10	− 4 21.1	1.469	2.453	4.8	19.8
4 1	12 41.27	− 3 24.8	1.438	2.437	0.5	19.4
4 11	12 31.26	− 2 28.2	1.435	2.422	5.4	19.7
4 21	12 22.26	− 1 38.6	1.458	2.405	10.3	20.0
5 1	12 15.29	− 1 2.3	1.505	2.389	14.7	20.2
312140	2007 TR_{300}		3 31.8	348.°63	1.°3/ 1.7	18
2 21	13 4.04	− 9 8.9	1.311	2.115	19.9	20.5
3 2	13 2.29	− 9 9.6	1.228	2.110	16.2	20.2
3 12	12 57.47	− 8 49.9	1.164	2.106	11.6	20.0
3 22	12 50.12	− 8 11.6	1.120	2.102	6.3	19.6
4 1	12 41.29	− 7 19.6	1.101	2.100	1.3	19.3
4 11	12 32.42	− 6 22.4	1.106	2.098	5.5	19.6
4 21	12 24.89	− 5 29.3	1.135	2.096	10.9	19.9
5 1	12 19.79	− 4 48.3	1.186	2.096	15.8	20.1
34147	Vengadesan		3 31.8	85.°72	1.°6/ 2.3	18
2 21	13 7.10	−10 41.5	1.848	2.614	16.4	19.0
3 2	13 3.62	−10 40.1	1.763	2.621	13.2	18.8
3 12	12 57.74	−10 22.5	1.699	2.628	9.5	18.6
3 22	12 50.01	− 9 50.1	1.658	2.635	5.4	18.3
4 1	12 41.29	− 9 6.5	1.645	2.643	1.7	18.1
4 11	12 32.65	− 8 17.7	1.660	2.650	4.3	18.3
4 21	12 25.05	− 7 30.0	1.701	2.657	8.4	18.6
5 1	12 19.31	− 6 49.4	1.768	2.664	12.2	18.8
253260	2003 AT_{58}		3 31.8	90.°31	0.°2/ 1.0	18
2 21	13 11.06	− 7 8.2	1.904	2.672	15.8	20.4
3 2	13 6.37	− 6 53.0	1.836	2.699	12.6	20.2
3 12	12 59.37	− 6 24.4	1.790	2.725	8.7	20.0
3 22	12 50.71	− 5 45.4	1.770	2.751	4.4	19.8
4 1	12 41.29	− 5 0.8	1.777	2.777	0.2	19.5
4 11	12 32.14	− 4 16.3	1.814	2.801	4.4	19.9
4 21	12 24.17	− 3 37.5	1.878	2.826	8.4	20.2
5 1	12 18.07	− 3 8.8	1.968	2.849	11.8	20.5
415662	2014 QK_{419}		3 31.8	108.°77	1.°0/ 1.8	18
2 21	13 9.78	− 9 48.4	1.911	2.673	16.0	22.4
3 2	13 5.49	− 9 33.6	1.835	2.692	12.9	22.2
3 12	12 58.86	− 9 3.1	1.780	2.711	9.1	22.0
3 22	12 50.51	− 8 19.2	1.750	2.729	4.9	21.8
4 1	12 41.29	− 7 26.3	1.748	2.746	1.1	21.6
4 11	12 32.27	− 6 30.9	1.774	2.763	4.2	21.8
4 21	12 24.37	− 5 39.0	1.829	2.780	8.3	22.1
5 1	12 18.32	− 4 56.3	1.908	2.796	11.9	22.4
417275	2006 AO_{47}		3 31.8	71.°69	3.°5/28.7	17
2 21	13 7.12	+ 2 22.5	1.819	2.624	15.1	21.5
3 2	13 3.51	+ 3 4.7	1.746	2.634	11.8	21.3
3 12	12 57.57	+ 3 54.5	1.696	2.643	8.1	21.1
3 22	12 49.88	+ 4 46.0	1.670	2.653	4.6	20.9
4 1	12 41.31	+ 5 32.6	1.672	2.662	3.8	20.9
4 11	12 32.90	+ 6 8.0	1.702	2.672	6.8	21.1
4 21	12 25.60	+ 6 27.8	1.757	2.681	10.5	21.3
5 1	12 20.12	+ 6 30.0	1.835	2.691	13.8	21.6
326069	2011 AM_{59}		3 31.8	40.°77	1.°3/30.1	17
2 21	13 0.60	− 1 59.7	2.839	3.622	10.8	21.1
3 2	12 57.54	− 1 27.3	2.754	3.630	8.4	21.0
3 12	12 53.03	− 0 47.7	2.694	3.638	5.7	20.8
3 22	12 47.46	− 0 3.9	2.661	3.646	2.8	20.6
4 1	12 41.36	+ 0 40.1	2.658	3.654	1.4	20.5
4 11	12 35.31	+ 1 20.3	2.684	3.662	3.9	20.7
4 21	12 29.89	+ 1 53.3	2.738	3.671	6.7	20.9
5 1	12 25.55	+ 2 16.4	2.817	3.680	9.3	21.1

297401 2000 QA_{199} 3 31.8 246.°29 1.°2/30.4 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 4.05	− 3 2.5	2.662	3.438	11.6	21.4
3 2	13 0.50	− 2 29.5	2.554	3.424	9.2	21.2
3 12	12 55.25	− 1 47.2	2.469	3.410	6.3	21.0
3 22	12 48.67	− 0 58.7	2.411	3.395	3.1	20.8
4 1	12 41.34	− 0 8.2	2.382	3.380	1.3	20.6
4 11	12 33.93	+ 0 39.8	2.384	3.364	4.2	20.8
4 21	12 27.14	+ 1 20.7	2.414	3.348	7.5	21.0
5 1	12 21.55	+ 1 51.2	2.470	3.332	10.4	21.1

100844 1998 HH_{23} 3 31.8 347.°10 1.°1/30.6 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 2.70	− 4 0.2	2.198	2.985	13.4	20.0
3 2	12 59.74	− 3 25.9	2.107	2.984	10.6	19.8
3 12	12 54.86	− 2 40.4	2.039	2.982	7.2	19.5
3 22	12 48.50	− 1 47.1	1.997	2.981	3.6	19.3
4 1	12 41.34	− 0 51.3	1.982	2.980	1.2	19.1
4 11	12 34.21	+ 0 1.5	1.997	2.979	4.6	19.4
4 21	12 27.87	+ 0 45.9	2.039	2.979	8.3	19.6
5 1	12 22.98	+ 1 18.0	2.105	2.978	11.5	19.8

22395 1994 TD_3 3 31.8 209.°58 0.°5/31.3 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 8.18	− 4 8.6	2.282	3.054	13.4	18.4
3 2	13 4.01	− 3 58.2	2.183	3.050	10.7	18.2
3 12	12 57.80	− 3 38.2	2.108	3.046	7.4	18.0
3 22	12 50.00	− 3 11.2	2.059	3.042	3.7	17.7
4 1	12 41.31	− 2 40.9	2.038	3.037	0.6	17.5
4 11	12 32.61	− 2 11.7	2.047	3.032	4.3	17.7
4 21	12 24.71	− 1 48.0	2.085	3.027	8.0	18.0
5 1	12 18.32	− 1 33.2	2.148	3.021	11.3	18.2

200727 2001 VW_{45} 3 31.8 108.°97 2.°1/30.1 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 13.08	− 1 45.2	1.729	2.516	16.5	20.7
3 2	13 8.19	− 1 9.1	1.663	2.539	12.9	20.5
3 12	13 0.76	− 0 22.0	1.618	2.561	8.8	20.3
3 22	12 51.46	+ 0 30.9	1.599	2.583	4.4	20.1
4 1	12 41.29	+ 1 22.9	1.607	2.603	2.3	20.0
4 11	12 31.43	+ 2 7.3	1.645	2.623	5.9	20.2
4 21	12 22.89	+ 2 38.9	1.709	2.643	10.0	20.5
5 1	12 16.43	+ 2 54.6	1.797	2.661	13.6	20.8

120586 1995 SE_{25} 3 31.8 88.°70 1.°6/30.3 18 R

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 5.26	− 3 4.5	1.910	2.703	14.9	20.4
3 2	13 2.03	− 2 26.6	1.827	2.707	11.8	20.2
3 12	12 56.56	− 1 36.7	1.766	2.711	8.0	20.0
3 22	12 49.40	− 0 39.2	1.730	2.715	4.0	19.7
4 1	12 41.33	+ 0 20.0	1.722	2.719	1.8	19.6
4 11	12 33.33	+ 1 13.9	1.741	2.722	5.4	19.8
4 21	12 26.32	+ 1 57.0	1.788	2.726	9.4	20.1
5 1	12 21.02	+ 2 25.1	1.858	2.730	12.9	20.3

497922 2006 VC_{97} 3 31.8 222.°35 0.°6/ 1.5 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 7.70	− 9 6.7	2.053	2.816	15.0	22.8
3 2	13 3.99	− 8 46.8	1.949	2.808	12.1	22.6
3 12	12 58.00	− 8 11.4	1.866	2.798	8.6	22.4
3 22	12 50.19	− 7 22.5	1.808	2.788	4.6	22.1
4 1	12 41.31	− 6 24.3	1.779	2.778	0.7	21.8
4 11	12 32.35	− 5 22.8	1.779	2.767	4.3	22.0
4 21	12 24.24	− 4 24.5	1.806	2.755	8.5	22.3
5 1	12 17.81	− 3 35.4	1.859	2.743	12.3	22.5

497768 2006 SG_{314} 3 31.8 170.°13 0.°8/30.8 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 4.12	− 3 59.6	2.908	3.676	10.9	22.5
3 2	13 0.28	− 3 28.7	2.813	3.679	8.6	22.4
3 12	12 54.92	− 2 49.4	2.743	3.682	5.9	22.2
3 22	12 48.43	− 2 4.5	2.701	3.684	2.9	22.0
4 1	12 41.35	− 1 17.6	2.688	3.686	0.9	21.8
4 11	12 34.31	− 0 32.9	2.706	3.688	3.6	22.0
4 21	12 27.88	+ 0 6.0	2.753	3.689	6.6	22.2
5 1	12 22.58	+ 0 36.1	2.827	3.690	9.2	22.4

183636 2003 VV 3 31.8 91.°12 13.°7/13.8 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 18.54	−38 0.4	1.849	2.435	21.6	19.9
3 2	13 13.90	−40 8.5	1.772	2.451	19.9	19.8
3 12	13 5.69	−41 50.7	1.710	2.467	18.0	19.7
3 22	12 54.42	−42 58.7	1.666	2.483	16.1	19.6
4 1	12 41.23	−43 26.1	1.641	2.499	14.5	19.5
4 11	12 27.80	−43 11.7	1.638	2.514	13.8	19.5
4 21	12 15.84	−42 20.5	1.656	2.529	14.0	19.5
5 1	12 6.71	−41 2.5	1.696	2.544	15.1	19.6

320554 2008 AH_{42} 3 31.8 141.°72 1.°2/30.7 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 9.42	− 3 54.6	2.025	2.803	14.7	21.5
3 2	13 5.10	− 3 20.8	1.943	2.814	11.6	21.3
3 12	12 58.57	− 2 35.3	1.884	2.825	7.9	21.1
3 22	12 50.37	− 1 42.1	1.851	2.835	3.9	20.9
4 1	12 41.32	− 0 46.6	1.846	2.844	1.3	20.7
4 11	12 32.39	+ 0 5.0	1.871	2.853	5.0	21.0
4 21	12 24.48	+ 0 47.1	1.923	2.861	8.8	21.2
5 1	12 18.29	+ 1 16.0	2.001	2.868	12.3	21.4

373524 2001 SV_{205} 3 31.8 216.°37 1.°9/29.5 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 5.00	− 3 49.0	2.252	3.033	13.3	22.4
3 2	13 1.56	− 2 37.6	2.151	3.025	10.5	22.2
3 12	12 56.15	− 1 12.2	2.073	3.016	7.2	22.0
3 22	12 49.18	+ 0 22.5	2.023	3.007	3.6	21.8
4 1	12 41.34	+ 1 59.8	2.002	2.997	2.2	21.6
4 11	12 33.45	+ 3 31.9	2.011	2.986	5.4	21.8
4 21	12 26.34	+ 4 52.0	2.049	2.975	9.1	22.0
5 1	12 20.67	+ 5 55.3	2.111	2.963	12.4	22.2

451483 2011 UM_{89} 3 31.8 25.°88 17.°4/27.3 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 28.51	+32 11.6	1.021	1.826	24.3	19.6
3 2	13 21.87	+32 44.7	0.991	1.844	21.5	19.5
3 12	13 10.62	+32 47.9	0.977	1.864	19.1	19.4
3 22	12 56.32	+32 7.3	0.980	1.885	17.6	19.4
4 1	12 41.22	+30 35.4	1.003	1.909	17.5	19.4
4 11	12 27.67	+28 15.7	1.046	1.933	18.9	19.6
4 21	12 17.26	+25 20.2	1.110	1.959	21.0	19.8
5 1	12 10.72	+22 2.8	1.192	1.986	23.2	20.1

372755 2010 CC_{13} 3 31.8 98.°20 2.°5/ 3.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 9.13	−14 17.0	2.180	2.914	15.1	22.1
3 2	13 4.69	−14 17.5	2.103	2.938	12.3	21.9
3 12	12 58.17	−14 1.7	2.047	2.961	9.1	21.7
3 22	12 50.13	−13 30.7	2.016	2.984	5.6	21.5
4 1	12 41.33	−12 47.4	2.014	3.006	2.7	21.4
4 11	12 32.72	−11 56.6	2.040	3.028	3.9	21.5
4 21	12 25.10	−11 4.2	2.095	3.049	7.2	21.8
5 1	12 19.14	−10 15.7	2.176	3.070	10.3	22.0

468646 2008 TS_{146} 3 31.8 148.°68 0.°8/30.9 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 4.67	− 5 22.0	2.149	2.928	13.9	21.8
3 2	13 1.31	− 4 43.5	2.060	2.932	11.0	21.6
3 12	12 55.95	− 3 52.3	1.994	2.936	7.6	21.4
3 22	12 49.06	− 2 52.1	1.955	2.939	3.7	21.1
4 1	12 41.35	− 1 48.1	1.943	2.942	0.9	20.9
4 11	12 33.71	− 0 46.6	1.961	2.945	4.6	21.2
4 21	12 26.92	+ 0 6.7	2.006	2.947	8.3	21.4
5 1	12 21.65	+ 0 47.4	2.076	2.950	11.7	21.6

427997 2006 BD_{27} 3 31.8 72.°29 4.°3/ 4.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 10.76	−16 18.5	1.880	2.613	17.2	21.3
3 2	13 6.45	−16 53.5	1.804	2.634	14.3	21.1
3 12	12 59.65	−17 10.4	1.748	2.654	10.9	20.9
3 22	12 50.97	−17 8.4	1.716	2.674	7.3	20.7
4 1	12 41.32	−16 49.0	1.709	2.694	4.5	20.6
4 11	12 31.83	−16 16.3	1.731	2.714	5.1	20.7
4 21	12 23.50	−15 36.4	1.779	2.734	8.2	20.9
5 1	12 17.14	−14 55.8	1.853	2.754	11.5	21.1

8611 Judithgoldhaber 3 31.8 230.°78 0.°2/31.6 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 9.32	− 6 16.5	2.039	2.809	14.9	18.4
3 2	13 5.32	− 5 56.3	1.932	2.797	11.9	18.2
3 12	12 58.97	− 5 22.6	1.847	2.784	8.4	17.9
3 22	12 50.72	− 4 37.9	1.787	2.770	4.3	17.7
4 1	12 41.32	− 3 46.6	1.756	2.755	0.3	17.3
4 11	12 31.80	− 2 54.7	1.754	2.740	4.7	17.6
4 21	12 23.12	− 2 8.3	1.779	2.724	8.9	17.8
5 1	12 16.16	− 1 32.7	1.830	2.707	12.8	18.0

421519 2014 OC_{109} 3 31.8 332.°63 3.°3/ 2.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 7.55	−11 17.1	1.252	2.046	21.2	21.1
3 2	13 5.41	−11 51.6	1.167	2.039	17.5	20.8
3 12	12 59.89	−12 6.3	1.098	2.033	13.0	20.5
3 22	12 51.49	−12 0.4	1.051	2.027	7.8	20.2
4 1	12 41.31	−11 35.8	1.026	2.022	3.5	19.9
4 11	12 30.96	−10 58.6	1.026	2.017	6.0	20.0
4 21	12 22.03	−10 17.5	1.049	2.013	11.3	20.3
5 1	12 15.81	− 9 41.5	1.093	2.009	16.3	20.6

368065 2012 HH_{75} 3 31.8 117.°09 4.°2/27.8 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 9.26	+ 4 56.2	1.960	2.760	14.3	21.2
3 2	13 4.98	+ 5 48.4	1.890	2.774	11.2	21.0
3 12	12 58.46	+ 6 45.8	1.843	2.787	7.8	20.8
3 22	12 50.30	+ 7 42.3	1.822	2.800	4.9	20.7
4 1	12 41.34	+ 8 30.9	1.829	2.812	4.6	20.7
4 11	12 32.58	+ 9 5.9	1.865	2.824	7.3	20.8
4 21	12 24.90	+ 9 23.7	1.926	2.835	10.5	21.1
5 1	12 18.99	+ 9 23.0	2.011	2.846	13.5	21.3

368965 2007 BB_{73} 3 31.8 112.°29 19.°4/15.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 21.36	−40 20.8	1.307	1.922	28.3	20.3
3 2	13 18.12	−43 18.5	1.241	1.933	26.5	20.1
3 12	13 9.98	−45 45.1	1.185	1.944	24.4	19.9
3 22	12 57.20	−47 27.0	1.143	1.954	22.3	19.8
4 1	12 41.20	−48 11.4	1.116	1.964	20.6	19.7
4 11	12 24.60	−47 53.6	1.106	1.974	19.5	19.7
4 21	12 10.19	−46 39.2	1.114	1.983	19.5	19.7
5 1	12 0.12	−44 43.6	1.139	1.992	20.5	19.8

379558 2011 AL_{56} 3 31.8 265.°23 4.°6/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.01	−17 27.4	1.985	2.713	16.6	21.1
3 2	13 4.59	−17 56.8	1.873	2.698	14.0	20.9
3 12	12 58.66	−18 8.4	1.780	2.683	10.9	20.7
3 22	12 50.66	−18 0.6	1.711	2.667	7.6	20.4
4 1	12 41.34	−17 33.7	1.668	2.651	4.9	20.2
4 11	12 31.77	−16 51.0	1.652	2.635	5.4	20.2
4 21	12 23.05	−15 58.5	1.663	2.619	8.6	20.4
5 1	12 16.13	−15 3.6	1.700	2.602	12.2	20.6

366437 2001 WO_{99} 3 31.8 156.°89 4.°8/25.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.93	+ 8 28.1	2.446	3.241	12.0	22.4
3 2	13 3.52	+ 9 38.1	2.371	3.250	9.5	22.3
3 12	12 57.26	+10 50.8	2.321	3.259	6.9	22.1
3 22	12 49.65	+12 0.2	2.299	3.266	5.0	22.0
4 1	12 41.36	+12 59.9	2.306	3.273	5.3	22.0
4 11	12 33.18	+13 44.8	2.342	3.279	7.4	22.2
4 21	12 25.84	+14 11.9	2.405	3.284	9.9	22.3
5 1	12 19.93	+14 20.3	2.491	3.289	12.3	22.5

433268 2012 XU_{150} 3 31.8 256.°43 1.°0/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.54	−11 1.8	2.593	3.340	12.6	21.8
3 2	13 1.07	−10 37.5	2.470	3.318	10.3	21.6
3 12	12 55.77	− 9 58.9	2.370	3.296	7.4	21.4
3 22	12 49.01	− 9 7.5	2.296	3.273	4.1	21.2
4 1	12 41.37	− 8 6.4	2.252	3.250	1.1	20.9
4 11	12 33.59	− 7 0.4	2.237	3.226	3.5	21.0
4 21	12 26.40	− 5 55.0	2.251	3.201	7.0	21.2
5 1	12 20.46	− 4 55.6	2.292	3.176	10.3	21.4

384934 2012 TL_{94} 3 31.8 247.°64 1.°5/30.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.22	− 3 25.2	2.156	2.945	13.6	21.5
3 2	13 0.20	− 2 40.4	2.066	2.944	10.7	21.3
3 12	12 55.21	− 1 43.9	1.998	2.943	7.3	21.1
3 22	12 48.71	− 0 39.8	1.957	2.942	3.6	20.8
4 1	12 41.39	+ 0 26.2	1.944	2.941	1.7	20.7
4 11	12 34.11	+ 1 27.7	1.960	2.940	5.0	20.9
4 21	12 27.64	+ 2 19.2	2.003	2.939	8.6	21.1
5 1	12 22.65	+ 2 56.6	2.070	2.938	11.9	21.3

499590 2010 TS_{60} 3 31.8 274.°59 0.°8/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.09	− 9 1.9	1.701	2.479	17.1	22.4
3 2	13 4.23	− 8 49.4	1.590	2.458	13.9	22.2
3 12	12 58.64	− 8 18.8	1.499	2.435	10.0	21.9
3 22	12 50.74	− 7 31.7	1.432	2.412	5.4	21.5
4 1	12 41.35	− 6 32.0	1.390	2.389	0.8	21.1
4 11	12 31.66	− 5 27.0	1.377	2.366	5.1	21.4
4 21	12 22.89	− 4 24.8	1.389	2.342	10.1	21.6
5 1	12 16.11	− 3 33.2	1.425	2.318	14.7	21.8

480215 2015 GL_{26} 3 31.8 279.°68 2.°6/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.76	− 1 2.7	2.260	3.055	12.8	21.5
3 2	12 59.07	+ 0 4.3	2.155	3.038	10.1	21.2
3 12	12 54.48	+ 1 23.3	2.074	3.021	6.9	21.0
3 22	12 48.38	+ 2 49.2	2.020	3.003	3.7	20.8
4 1	12 41.40	+ 4 15.6	1.994	2.986	2.9	20.7
4 11	12 34.34	+ 5 35.1	1.998	2.968	5.9	20.8
4 21	12 27.98	+ 6 41.6	2.029	2.950	9.4	21.0
5 1	12 23.00	+ 7 30.8	2.084	2.933	12.6	21.2

423737 2006 BS_{210} 3 31.8 164.°51 5.°3/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.46	+ 6 12.4	2.092	2.903	13.2	21.1
3 2	13 0.43	+ 7 54.4	2.015	2.905	10.4	20.9
3 12	12 55.37	+ 9 43.3	1.963	2.907	7.5	20.7
3 22	12 48.79	+11 31.1	1.938	2.908	5.5	20.6
4 1	12 41.40	+13 9.0	1.942	2.910	6.0	20.6
4 11	12 34.07	+14 29.3	1.974	2.911	8.5	20.8
4 21	12 27.62	+15 27.2	2.031	2.912	11.4	21.0
5 1	12 22.71	+16 0.7	2.111	2.913	14.1	21.1

30612 2638 P–L 3 31.8 201.°18 0.°0/31.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.21	− 7 21.2	2.376	3.137	13.3	21.0
3 2	13 3.20	− 6 52.2	2.273	3.133	10.6	20.8
3 12	12 57.23	− 6 10.5	2.193	3.128	7.4	20.6
3 22	12 49.73	− 5 18.4	2.140	3.122	3.8	20.4
4 1	12 41.38	− 4 20.3	2.116	3.116	0.1	20.0
4 11	12 33.01	− 3 21.6	2.122	3.108	4.0	20.4
4 21	12 25.39	− 2 27.7	2.157	3.101	7.7	20.6
5 1	12 19.20	− 1 43.2	2.218	3.092	11.0	20.8

426991 2014 DT_{29} 3 31.8 268.°51 3.°6/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.12	+ 2 46.5	2.289	3.092	12.5	20.9
3 2	12 59.23	+ 3 54.8	2.199	3.086	9.7	20.7
3 12	12 54.48	+ 5 11.1	2.134	3.081	6.7	20.5
3 22	12 48.33	+ 6 29.9	2.096	3.075	4.1	20.3
4 1	12 41.41	+ 7 44.3	2.086	3.070	4.0	20.3
4 11	12 34.50	+ 8 48.1	2.105	3.064	6.5	20.4
4 21	12 28.33	+ 9 36.4	2.150	3.059	9.6	20.6
5 1	12 23.54	+10 6.4	2.219	3.053	12.5	20.8

342875 2008 YP_{49} 3 31.8 264.°26 0.°2/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.12	− 7 5.1	2.237	3.007	13.7	21.3
3 2	13 1.70	− 6 53.0	2.137	3.002	11.0	21.1
3 12	12 56.27	− 6 28.9	2.060	2.996	7.7	20.9
3 22	12 49.28	− 5 55.0	2.008	2.990	4.0	20.7
4 1	12 41.40	− 5 14.8	1.985	2.984	0.2	20.3
4 11	12 33.49	− 4 33.4	1.990	2.978	4.0	20.6
4 21	12 26.36	− 3 55.6	2.024	2.972	7.7	20.8
5 1	12 20.71	− 3 25.9	2.082	2.966	11.2	21.0

280984 2006 DQ_{84} 3 31.8 7.°43 1.°7/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.54	−10 16.4	1.756	2.530	16.8	20.4
3 2	13 2.61	−10 23.1	1.668	2.531	13.6	20.2
3 12	12 57.20	−10 13.6	1.600	2.532	9.8	20.0
3 22	12 49.85	− 9 49.3	1.555	2.533	5.6	19.7
4 1	12 41.39	− 9 13.3	1.537	2.534	1.8	19.5
4 11	12 32.95	− 8 31.5	1.546	2.536	4.4	19.7
4 21	12 25.55	− 7 50.1	1.581	2.539	8.7	19.9
5 1	12 20.04	− 7 15.3	1.640	2.541	12.7	20.2

128183 2003 RP_{22} 3 31.8 265.°76 5.°9/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.76	−23 14.4	2.211	2.903	16.0	19.8
3 2	13 2.61	−23 40.3	2.094	2.887	13.9	19.6
3 12	12 57.18	−23 46.2	1.996	2.870	11.3	19.4
3 22	12 49.87	−23 29.7	1.920	2.853	8.6	19.2
4 1	12 41.39	−22 50.5	1.870	2.836	6.4	19.0
4 11	12 32.70	−21 51.6	1.847	2.819	6.1	19.0
4 21	12 24.78	−20 38.6	1.851	2.801	8.2	19.0
5 1	12 18.49	−19 19.3	1.880	2.783	11.2	19.2

109198 2001 QP_{76} 3 31.8 93.°55 0.°5/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.60	− 8 9.3	1.965	2.731	15.5	19.8
3 2	13 5.24	− 7 55.7	1.892	2.753	12.4	19.6
3 12	12 58.64	− 7 28.1	1.842	2.775	8.6	19.4
3 22	12 50.41	− 6 49.2	1.816	2.797	4.5	19.2
4 1	12 41.39	− 6 3.6	1.819	2.818	0.5	19.0
4 11	12 32.59	− 5 17.0	1.850	2.839	4.2	19.3
4 21	12 24.88	− 4 34.8	1.910	2.859	8.1	19.6
5 1	12 18.97	− 4 1.9	1.994	2.879	11.6	19.8

173151 1995 WV_{24} 3 31.8 254.°55 3.°4/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.10	−15 23.6	1.834	2.581	17.1	21.0
3 2	13 3.99	−15 31.7	1.728	2.569	14.3	20.7
3 12	12 58.32	−15 19.9	1.641	2.556	10.8	20.5
3 22	12 50.51	−14 47.8	1.577	2.543	7.0	20.2
4 1	12 41.40	−13 57.4	1.539	2.530	3.7	20.0
4 11	12 32.10	−12 53.8	1.528	2.516	4.9	20.0
4 21	12 23.74	−11 44.8	1.545	2.503	8.8	20.2
5 1	12 17.28	−10 38.5	1.585	2.489	12.9	20.4

208880 2002 TJ_{65} 3 31.8 123.°80 0.°7/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.47	− 3 13.2	2.436	3.207	12.7	20.5
3 2	13 3.97	− 3 3.6	2.351	3.217	10.0	20.3
3 12	12 57.61	− 2 45.8	2.289	3.228	6.9	20.2
3 22	12 49.87	− 2 22.5	2.254	3.237	3.4	19.9
4 1	12 41.42	− 1 57.3	2.248	3.247	0.8	19.8
4 11	12 33.06	− 1 34.1	2.273	3.256	4.0	20.0
4 21	12 25.52	− 1 16.6	2.326	3.265	7.4	20.2
5 1	12 19.42	− 1 7.4	2.404	3.274	10.4	20.4

267345 2001 WE_{13} 3 31.8 97.°13 3.°7/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.79	+ 1 11.5	1.925	2.727	14.5	21.1
3 2	13 2.27	+ 2 32.0	1.859	2.745	11.3	20.9
3 12	12 56.61	+ 4 2.0	1.816	2.764	7.7	20.8
3 22	12 49.39	+ 5 34.3	1.800	2.781	4.5	20.6
4 1	12 41.42	+ 7 0.8	1.813	2.799	4.1	20.6
4 11	12 33.66	+ 8 13.8	1.853	2.816	7.0	20.8
4 21	12 26.95	+ 9 8.1	1.920	2.833	10.4	21.0
5 1	12 21.92	+ 9 41.3	2.011	2.849	13.4	21.3

161649 2006 BR_{95} 3 31.8 343.°29 2.°2/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.48	− 4 7.4	1.316	2.135	19.0	19.6
3 2	13 1.76	− 3 18.7	1.236	2.131	15.1	19.3
3 12	12 57.06	− 2 10.4	1.176	2.128	10.4	19.1
3 22	12 49.93	− 0 48.6	1.138	2.125	5.2	18.7
4 1	12 41.42	+ 0 37.4	1.125	2.122	2.4	18.6
4 11	12 32.94	+ 1 56.1	1.137	2.120	7.2	18.8
4 21	12 25.78	+ 2 57.9	1.172	2.118	12.4	19.1
5 1	12 20.98	+ 3 36.6	1.229	2.117	16.9	19.4

221285 2005 UZ_{357} 3 31.8 334.°25 1.°9/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.90	−10 4.7	1.578	2.361	18.0	20.2
3 2	13 3.30	−10 16.2	1.486	2.354	14.7	19.9
3 12	12 57.95	−10 10.4	1.414	2.348	10.7	19.7
3 22	12 50.35	− 9 48.3	1.365	2.343	6.1	19.4
4 1	12 41.43	− 9 13.1	1.340	2.338	2.0	19.1
4 11	12 32.42	− 8 30.9	1.342	2.333	4.9	19.3
4 21	12 24.52	− 7 48.8	1.370	2.329	9.6	19.6
5 1	12 18.74	− 7 13.8	1.420	2.325	14.0	19.8

5746 1991 CK 3 31.9 175.°73 0.°7/ 1.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 11.32	− 8 36.9	2.066	2.823	15.1	18.1
3 2	13 6.74	− 8 27.0	1.972	2.827	12.2	17.9
3 12	12 59.84	− 8 3.1	1.899	2.829	8.6	17.6
3 22	12 51.13	− 7 27.3	1.851	2.831	4.6	17.4
4 1	12 41.42	− 6 43.1	1.833	2.832	0.8	17.1
4 11	12 31.73	− 5 56.1	1.843	2.832	4.2	17.4
4 21	12 23.00	− 5 11.9	1.882	2.831	8.3	17.6
5 1	12 16.02	− 4 35.8	1.947	2.829	11.9	17.8

190166 2005 UP_{156} 3 31.9 316.°36 0.°2/31.9 17 A

2021	13 1.64	− 8 55.8	1.117	1.938	21.6	19.9
3 2	13 1.94	− 8 41.4	0.984	1.878	18.1	19.5
3 12	12 58.70	− 7 57.4	0.867	1.817	13.4	19.0
3 22	12 51.72	− 6 40.1	0.769	1.755	7.3	18.4
4 1	12 41.40	− 4 50.1	0.693	1.692	0.2	17.6
4 11	12 29.07	− 2 36.2	0.638	1.629	8.3	17.9
4 21	12 16.75	− 0 14.6	0.603	1.566	17.0	18.0
5 1	12 6.79	+ 1 54.2	0.586	1.504	25.6	18.1

170472 2003 UF_{239} 3 31.9 94.°28 1.°3/ 1.9 18

2021	13 6.39	−11 4.7	1.628	2.403	17.8	20.8
3 2	13 3.41	−10 43.2	1.546	2.411	14.4	20.6
3 12	12 57.82	−10 1.4	1.485	2.418	10.3	20.3
3 22	12 50.18	− 9 1.7	1.447	2.426	5.7	20.1
4 1	12 41.45	− 7 49.7	1.435	2.433	1.4	19.8
4 11	12 32.82	− 6 33.5	1.450	2.440	4.7	20.0
4 21	12 25.38	− 5 21.8	1.492	2.447	9.3	20.3
5 1	12 19.99	− 4 21.9	1.557	2.454	13.5	20.6

205938 2002 JB_{41} 3 31.9 313.°02 1.°8/ 2.1 17

2021	13 3.73	−10 8.1	1.372	2.169	19.5	20.8
3 2	13 2.19	−10 13.4	1.272	2.149	16.0	20.5
3 12	12 57.61	− 9 58.2	1.191	2.130	11.7	20.1
3 22	12 50.38	− 9 22.9	1.130	2.111	6.6	19.8
4 1	12 41.45	− 8 31.2	1.094	2.092	1.9	19.4
4 11	12 32.20	− 7 30.6	1.082	2.074	5.5	19.6
4 21	12 24.07	− 6 30.7	1.095	2.057	11.1	19.9
5 1	12 18.32	− 5 40.9	1.128	2.040	16.2	20.1

222770 2002 CS_{90} 3 31.9 101.°67 0.°5/ 1.4 18

2021	13 7.71	− 8 13.0	1.988	2.757	15.3	20.8
3 2	13 3.85	− 7 59.6	1.907	2.769	12.2	20.6
3 12	12 57.79	− 7 32.2	1.848	2.782	8.6	20.4
3 22	12 50.05	− 6 53.3	1.814	2.794	4.5	20.2
4 1	12 41.47	− 6 7.2	1.807	2.806	0.6	19.9
4 11	12 33.00	− 5 19.5	1.829	2.818	4.1	20.2
4 21	12 25.54	− 4 36.0	1.879	2.830	8.1	20.5
5 1	12 19.80	− 4 1.6	1.954	2.841	11.7	20.7

462159 2007 TL_{167} 3 31.9 111.°52 0.°8/ 1.6 18

2021	13 9.74	− 9 56.5	1.811	2.576	16.7	21.9
3 2	13 5.63	− 9 32.8	1.735	2.595	13.4	21.7
3 12	12 59.09	− 8 51.9	1.681	2.613	9.4	21.5
3 22	12 50.72	− 7 56.5	1.651	2.630	5.0	21.3
4 1	12 41.46	− 6 52.0	1.649	2.647	0.9	21.0
4 11	12 32.39	− 5 45.5	1.675	2.664	4.4	21.3
4 21	12 24.51	− 4 44.1	1.728	2.680	8.7	21.6
5 1	12 18.55	− 3 53.8	1.807	2.695	12.4	21.9

468477 2004 RV_{235} 3 31.9 231.°04 1.°0/ 1.8 17

2021	13 7.43	− 9 18.3	2.197	2.956	14.3	21.9
3 2	13 3.65	− 9 11.2	2.091	2.947	11.6	21.7
3 12	12 57.72	− 8 50.5	2.008	2.937	8.3	21.4
3 22	12 50.10	− 8 17.7	1.949	2.927	4.5	21.2
4 1	12 41.47	− 7 35.9	1.919	2.917	1.1	20.9
4 11	12 32.75	− 6 50.2	1.918	2.907	3.9	21.1
4 21	12 24.82	− 6 5.9	1.945	2.896	7.8	21.3
5 1	12 18.45	− 5 28.2	1.997	2.884	11.4	21.5

379633 2011 DC_{23} 3 31.9 266.°87 1.°3/30.7 17

2021	13 7.09	− 2 47.0	1.980	2.768	14.7	21.1
3 2	13 3.56	− 2 27.9	1.883	2.760	11.6	20.9
3 12	12 57.75	− 1 58.2	1.808	2.751	8.0	20.6
3 22	12 50.13	− 1 21.2	1.758	2.743	4.0	20.4
4 1	12 41.47	− 0 41.9	1.736	2.734	1.4	20.2
4 11	12 32.76	− 0 5.9	1.742	2.725	5.1	20.4
4 21	12 24.94	+ 0 21.6	1.775	2.716	9.2	20.6
5 1	12 18.81	+ 0 36.8	1.833	2.708	12.9	20.8

458811 2011 SU_{245} 3 31.9 119.°92 1.°6/30.5 18

2021	13 11.64	− 2 55.3	1.739	2.526	16.4	22.3
3 2	13 7.20	− 2 24.0	1.665	2.541	12.9	22.1
3 12	13 0.21	− 1 40.6	1.614	2.557	8.8	21.9
3 22	12 51.31	− 0 49.8	1.587	2.571	4.4	21.6
4 1	12 41.46	+ 0 2.3	1.588	2.585	1.8	21.5
4 11	12 31.82	+ 0 48.6	1.617	2.599	5.7	21.8
4 21	12 23.42	+ 1 23.5	1.673	2.611	9.9	22.0
5 1	12 17.06	+ 1 43.3	1.753	2.624	13.6	22.3

167880 2005 EW_{37} 3 31.9 42.°23 1.°7/ 2.2 18

2021	13 6.51	−10 33.6	1.281	2.078	20.7	20.4
3 2	13 4.07	−10 33.0	1.217	2.093	16.7	20.2
3 12	12 58.53	−10 10.5	1.171	2.110	11.9	20.0
3 22	12 50.60	− 9 28.3	1.147	2.127	6.6	19.7
4 1	12 41.47	− 8 32.3	1.146	2.144	1.9	19.5
4 11	12 32.62	− 7 31.4	1.171	2.162	5.3	19.8
4 21	12 25.30	− 6 34.7	1.220	2.181	10.3	20.1
5 1	12 20.47	− 5 50.0	1.291	2.200	14.8	20.4

497823 2006 TZ_{128} 3 31.9 125.°23 2.°6/ 4.3 17

2021	13 3.64	−16 23.3	2.677	3.398	12.9	22.1
3 2	13 0.15	−16 13.1	2.583	3.407	10.6	21.9
3 12	12 54.99	−15 47.7	2.510	3.416	8.0	21.7
3 22	12 48.58	−15 7.8	2.463	3.425	5.1	21.6
4 1	12 41.51	−14 16.0	2.444	3.433	2.8	21.4
4 11	12 34.49	−13 16.5	2.455	3.441	3.5	21.5
4 21	12 28.17	−12 14.3	2.494	3.449	6.1	21.6
5 1	12 23.11	−11 14.5	2.561	3.457	8.9	21.8

129917 1999 TH_{114} 3 31.9 267.°25 0.°0/31.9 17

2021	13 5.26	− 8 29.2	1.702	2.486	16.8	20.0
3 2	13 2.65	− 7 55.5	1.599	2.471	13.6	19.8
3 12	12 57.45	− 7 2.4	1.516	2.456	9.6	19.5
3 22	12 50.12	− 5 52.6	1.458	2.441	5.0	19.2
4 1	12 41.48	− 4 31.8	1.426	2.425	0.1	18.7
4 11	12 32.69	− 3 8.6	1.421	2.409	5.2	19.1
4 21	12 24.86	− 1 52.1	1.443	2.394	10.1	19.3
5 1	12 18.97	− 0 49.9	1.488	2.378	14.5	19.6

219675 2001 VK_{92} 3 31.9 201.°19 7.°6/22.7 17

2021	13 8.57	+16 26.1	2.232	3.034	12.7	20.9
3 2	13 4.41	+17 52.6	2.158	3.031	10.5	20.7
3 12	12 58.13	+19 17.2	2.107	3.027	8.6	20.6
3 22	12 50.24	+20 32.0	2.083	3.022	7.6	20.5
4 1	12 41.49	+21 29.2	2.086	3.016	8.4	20.6
4 11	12 32.80	+22 3.5	2.116	3.011	10.3	20.7
4 21	12 25.04	+22 12.8	2.170	3.004	12.6	20.8
5 1	12 18.89	+21 57.4	2.244	2.997	14.8	21.0

107107 2001 AG_{36} 3 31.9 356.°99 0.°2/31.8 18

2021	13 6.51	− 3 13.7	1.131	1.958	21.0	18.4
3 2	13 4.74	− 3 41.9	1.056	1.953	16.9	18.1
3 12	12 59.49	− 3 57.8	0.998	1.949	11.8	17.8
3 22	12 51.33	− 4 3.8	0.961	1.947	6.1	17.4
4 1	12 41.47	− 4 4.1	0.946	1.946	0.2	17.0
4 11	12 31.60	− 4 4.9	0.955	1.946	6.4	17.4
4 21	12 23.31	− 4 11.7	0.987	1.948	12.2	17.8
5 1	12 17.83	− 4 29.4	1.039	1.952	17.2	18.0

419531 2010 KT_{88} 3 31.9 188.°20 2.°1/29.5 17

2021	13 8.30	− 1 37.8	2.223	3.004	13.5	22.4
3 2	13 4.16	− 0 45.9	2.129	3.003	10.6	22.2
3 12	12 57.95	+ 0 16.6	2.059	3.002	7.2	22.0
3 22	12 50.16	+ 1 25.3	2.016	3.000	3.7	21.8
4 1	12 41.50	+ 2 34.2	2.003	2.997	2.4	21.7
4 11	12 32.85	+ 3 36.7	2.019	2.993	5.5	21.9
4 21	12 25.05	+ 4 27.4	2.063	2.989	9.0	22.1
5 1	12 18.80	+ 5 2.8	2.132	2.983	12.3	22.3

435296 2007 TQ_{429} 3 31.9 115.°46 1.°9/ 3.1 17

2021	13 2.98	−13 55.6	2.318	3.062	14.0	21.5
3 2	12 59.93	−13 32.0	2.223	3.066	11.5	21.3
3 12	12 55.00	−12 51.5	2.151	3.071	8.4	21.1
3 22	12 48.64	−11 55.8	2.103	3.075	5.0	20.9
4 1	12 41.52	−10 48.6	2.084	3.079	2.0	20.7
4 11	12 34.44	− 9 35.3	2.094	3.083	3.6	20.8
4 21	12 28.15	− 8 22.3	2.132	3.087	7.0	21.0
5 1	12 23.27	− 7 15.5	2.196	3.091	10.2	21.2

62770 2000 UK_{18} 3 31.9 356.°69 2.°6/29.0 18

2021	13 2.35	+ 0 10.7	2.113	2.914	13.4	18.6
3 2	12 59.57	+ 0 56.4	2.027	2.912	10.5	18.4
3 12	12 54.83	+ 1 51.1	1.964	2.911	7.2	18.2
3 22	12 48.58	+ 2 50.1	1.927	2.911	3.8	18.0
4 1	12 41.53	+ 3 47.4	1.918	2.910	2.8	17.9
4 11	12 34.52	+ 4 36.8	1.937	2.910	5.8	18.1
4 21	12 28.33	+ 5 13.5	1.982	2.910	9.2	18.3
5 1	12 23.63	+ 5 34.6	2.052	2.911	12.4	18.5

138458 2000 JS_{24} 3 31.9 63.°61 2.°4/30.4 18

2021	13 15.96	+ 1 53.3	1.589	2.384	17.4	18.8
3 2	13 10.84	+ 1 45.6	1.518	2.399	13.7	18.6
3 12	13 2.85	+ 1 43.7	1.469	2.413	9.4	18.4
3 22	12 52.70	+ 1 43.6	1.444	2.428	4.9	18.1
4 1	12 41.49	+ 1 40.7	1.447	2.442	2.5	18.0
4 11	12 30.55	+ 1 30.6	1.477	2.457	6.3	18.3
4 21	12 21.07	+ 1 10.5	1.534	2.472	10.6	18.6
5 1	12 13.92	+ 0 39.0	1.614	2.487	14.4	18.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
30719 Isserstedt			3 31.9	111.°09	5.°3/ 7.3	18
	h m	° ′			°	m
2 21	13 8.83	−23 54.3	2.712	3.377	13.9	19.4
3 2	13 4.32	−24 29.5	2.622	3.394	12.0	19.3
3 12	12 57.92	−24 48.0	2.552	3.410	9.7	19.1
3 22	12 50.10	−24 48.5	2.505	3.426	7.4	19.0
4 1	12 41.52	−24 31.1	2.486	3.442	5.7	18.9
4 11	12 32.98	−23 58.3	2.495	3.458	5.4	18.9
4 21	12 25.23	−23 14.3	2.532	3.473	6.9	19.0
5 1	12 18.89	−22 24.4	2.596	3.487	9.0	19.2
319788 2006 UM_{333}			3 31.9	20.°35	1.°1/30.8	17
2 21	13 5.41	− 2 45.2	2.036	2.825	14.3	20.3
3 2	13 2.05	− 2 30.1	1.951	2.828	11.3	20.1
3 12	12 56.57	− 2 5.3	1.888	2.831	7.7	19.9
3 22	12 49.48	− 1 34.2	1.850	2.835	3.8	19.7
4 1	12 41.53	− 1 1.2	1.841	2.839	1.2	19.5
4 11	12 33.64	− 0 31.6	1.859	2.843	4.8	19.7
4 21	12 26.66	− 0 9.8	1.905	2.847	8.6	20.0
5 1	12 21.30	+ 0 0.9	1.974	2.852	12.0	20.2
326064 2011 AO_{47}			3 31.9	45.°88	0.°8/30.9	17
2 21	13 0.82	− 4 9.3	2.785	3.562	11.1	21.2
3 2	12 57.77	− 3 39.1	2.703	3.574	8.7	21.0
3 12	12 53.26	− 3 0.3	2.646	3.586	5.9	20.9
3 22	12 47.68	− 2 16.0	2.615	3.599	2.9	20.7
4 1	12 41.56	− 1 30.0	2.613	3.611	0.8	20.5
4 11	12 35.52	− 0 46.4	2.641	3.624	3.6	20.7
4 21	12 30.12	− 0 8.9	2.697	3.637	6.5	21.0
5 1	12 25.83	+ 0 19.5	2.779	3.650	9.1	21.1
164115 2003 XC_{33}			3 31.9	242.°83	0.°7/31.1	17
2 21	13 4.45	− 5 15.3	2.164	2.944	13.8	20.9
3 2	13 1.24	− 4 44.3	2.068	2.940	11.0	20.7
3 12	12 56.01	− 4 0.9	1.995	2.935	7.6	20.5
3 22	12 49.21	− 3 8.4	1.947	2.931	3.8	20.2
4 1	12 41.54	− 2 11.6	1.928	2.927	0.8	20.0
4 11	12 33.86	− 1 16.5	1.937	2.922	4.5	20.3
4 21	12 26.98	− 0 28.6	1.974	2.917	8.3	20.5
5 1	12 21.61	+ 0 7.6	2.036	2.913	11.7	20.7
192577 1998 XT_{25}			3 31.9	64.°41	0.°7/ 1.6	17
2 21	13 4.78	− 9 5.2	2.002	2.773	15.1	20.9
3 2	13 1.58	− 8 47.1	1.919	2.783	12.1	20.7
3 12	12 56.25	− 8 14.0	1.858	2.793	8.5	20.5
3 22	12 49.31	− 7 28.6	1.822	2.802	4.5	20.2
4 1	12 41.54	− 6 35.2	1.813	2.812	0.7	20.0
4 11	12 33.86	− 5 39.9	1.833	2.822	4.0	20.2
4 21	12 27.12	− 4 48.6	1.880	2.832	8.0	20.5
5 1	12 22.02	− 4 6.5	1.952	2.842	11.5	20.7
67087 2000 AL_{51}			3 31.9	187.°86	2.°4/ 3.6	18 R
2 21	13 7.18	−14 30.8	2.550	3.276	13.3	20.0
3 2	13 3.11	−14 30.9	2.446	3.275	11.0	19.8
3 12	12 57.16	−14 16.6	2.364	3.274	8.2	19.6
3 22	12 49.75	−13 48.4	2.307	3.273	5.1	19.4
4 1	12 41.53	−13 8.3	2.279	3.270	2.6	19.2
4 11	12 33.28	−12 20.5	2.280	3.268	3.6	19.3
4 21	12 25.76	−11 29.5	2.311	3.264	6.6	19.5
5 1	12 19.60	−10 40.8	2.368	3.261	9.7	19.7
314634 2006 HK_{63}			3 31.9	180.°14	2.°7/29.4	18
2 21	13 10.49	+ 0 14.3	1.941	2.731	14.9	21.3
3 2	13 6.19	+ 0 54.9	1.854	2.732	11.7	21.1
3 12	12 59.52	+ 1 45.0	1.789	2.733	8.0	20.9
3 22	12 51.02	+ 2 39.7	1.751	2.734	4.3	20.7
4 1	12 41.52	+ 3 32.5	1.740	2.733	2.9	20.6
4 11	12 32.07	+ 4 17.0	1.759	2.732	6.2	20.8
4 21	12 23.64	+ 4 48.1	1.804	2.730	10.1	21.0
5 1	12 17.03	+ 5 2.6	1.873	2.728	13.5	21.2
132566 2002 JZ_{99}			3 31.9	239.°44	5.°6/25.7	17
2 21	13 6.14	+ 5 43.1	1.902	2.712	14.3	20.1
3 2	13 2.97	+ 7 17.7	1.810	2.699	11.4	19.8
3 12	12 57.44	+ 9 1.9	1.742	2.686	8.2	19.6
3 22	12 50.03	+10 47.4	1.700	2.672	5.9	19.4
4 1	12 41.53	+12 24.4	1.686	2.657	6.3	19.4
4 11	12 32.95	+13 43.9	1.699	2.642	9.1	19.6
4 21	12 25.28	+14 39.8	1.738	2.627	12.6	19.7
5 1	12 19.36	+15 9.3	1.798	2.611	15.8	19.9
141289 2001 YX_{72}			3 31.9	168.°98	6.°0/24.8	17
2 21	13 8.62	+12 13.8	2.365	3.163	12.2	20.6
3 2	13 4.22	+13 25.2	2.291	3.168	9.8	20.4
3 12	12 57.87	+14 36.8	2.241	3.172	7.5	20.3
3 22	12 50.08	+15 42.0	2.219	3.175	6.1	20.2
4 1	12 41.54	+16 34.3	2.225	3.178	6.5	20.2
4 11	12 33.12	+17 8.6	2.259	3.180	8.5	20.4
4 21	12 25.56	+17 22.6	2.318	3.181	10.9	20.5
5 1	12 19.52	+17 16.0	2.401	3.182	13.2	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
267177 2000 OF_{34}			3 31.9	223.°36	2.°5/28.8	18
	h m	° ′			°	m
2 21	13 5.85	− 0 31.9	2.473	3.256	12.2	21.9
3 2	13 2.10	+ 0 30.9	2.368	3.244	9.6	21.7
3 12	12 56.50	+ 1 43.8	2.288	3.231	6.6	21.4
3 22	12 49.44	+ 3 2.4	2.235	3.218	3.5	21.2
4 1	12 41.55	+ 4 20.6	2.213	3.204	2.8	21.1
4 11	12 33.60	+ 5 32.2	2.220	3.189	5.5	21.3
4 21	12 26.33	+ 6 31.9	2.256	3.173	8.8	21.5
5 1	12 20.39	+ 7 15.8	2.316	3.157	11.8	21.6
144530 2004 EG_{82}			3 31.9	301.°73	1.°9/29.9	17
2 21	13 3.82	− 1 33.9	2.093	2.887	13.8	19.9
3 2	13 0.92	− 1 2.6	1.989	2.871	10.9	19.7
3 12	12 55.91	− 0 21.0	1.908	2.854	7.5	19.4
3 22	12 49.23	+ 0 27.1	1.852	2.837	3.8	19.2
4 1	12 41.56	+ 1 16.5	1.825	2.821	2.1	19.0
4 11	12 33.79	+ 2 1.0	1.825	2.804	5.4	19.2
4 21	12 26.79	+ 2 35.5	1.852	2.788	9.2	19.4
5 1	12 21.31	+ 2 56.1	1.903	2.772	12.7	19.6
90346 2003 GP_{15}			3 31.9	275.°85	1.°3/ 2.0	17
2 21	13 6.32	− 9 47.2	1.860	2.631	16.1	20.2
3 2	13 3.22	− 9 43.3	1.760	2.622	13.1	20.0
3 12	12 57.69	− 9 23.4	1.681	2.613	9.4	19.7
3 22	12 50.20	− 8 49.0	1.626	2.604	5.2	19.5
4 1	12 41.55	− 8 3.6	1.597	2.595	1.4	19.2
4 11	12 32.81	− 7 13.1	1.597	2.586	4.4	19.4
4 21	12 24.99	− 6 24.0	1.623	2.578	8.8	19.6
5 1	12 18.98	− 5 42.6	1.673	2.569	12.8	19.8
201414 2002 XT			3 31.9	59.°45	2.°9/28.9	18
2 21	13 4.96	+ 1 19.6	2.058	2.858	13.8	19.9
3 2	13 1.58	+ 2 2.0	1.984	2.868	10.7	19.8
3 12	12 56.17	+ 2 51.9	1.932	2.879	7.3	19.6
3 22	12 49.25	+ 3 44.4	1.906	2.889	4.0	19.4
4 1	12 41.57	+ 4 33.5	1.908	2.899	3.1	19.3
4 11	12 34.02	+ 5 13.5	1.939	2.910	6.0	19.5
4 21	12 27.41	+ 5 40.2	1.996	2.921	9.3	19.7
5 1	12 22.37	+ 5 51.3	2.076	2.932	12.4	20.0
369743 2012 FZ_{28}			3 31.9	232.°36	0.°7/ 1.5	17
2 21	13 12.36	− 6 44.8	1.968	2.733	15.5	20.7
3 2	13 7.87	− 6 57.5	1.864	2.724	12.6	20.5
3 12	13 0.86	− 6 58.9	1.782	2.715	8.9	20.2
3 22	12 51.81	− 6 50.3	1.726	2.706	4.8	20.0
4 1	12 41.54	− 6 34.4	1.697	2.696	0.8	19.6
4 11	12 31.13	− 6 15.4	1.697	2.686	4.4	19.9
4 21	12 21.65	− 5 58.2	1.725	2.675	8.8	20.1
5 1	12 14.01	− 5 47.1	1.779	2.664	12.7	20.3
375799 2009 TO_{11}			3 31.9	203.°93	3.°2/28.6	17
2 21	13 9.63	+ 3 30.1	2.303	3.091	12.9	22.3
3 2	13 5.15	+ 4 7.4	2.209	3.086	10.1	22.1
3 12	12 58.63	+ 4 50.5	2.139	3.081	7.0	21.9
3 22	12 50.53	+ 5 34.6	2.096	3.075	4.1	21.7
4 1	12 41.56	+ 6 14.5	2.082	3.069	3.5	21.7
4 11	12 32.59	+ 6 45.0	2.097	3.062	6.1	21.8
4 21	12 24.45	+ 7 2.5	2.140	3.055	9.3	22.0
5 1	12 17.83	+ 7 4.8	2.207	3.046	12.3	22.2
330093 2005 WP_{103}			3 31.9	153.°55	7.°2/24.4	17
2 21	13 10.78	+15 20.5	2.150	2.950	13.2	21.2
3 2	13 6.11	+16 26.8	2.083	2.957	10.8	21.0
3 12	12 59.26	+17 30.4	2.038	2.962	8.5	20.9
3 22	12 50.82	+18 24.2	2.020	2.968	7.2	20.8
4 1	12 41.58	+19 1.1	2.030	2.973	7.7	20.9
4 11	12 32.52	+19 16.6	2.066	2.977	9.6	21.0
4 21	12 24.49	+19 9.1	2.127	2.981	12.1	21.1
5 1	12 18.18	+18 39.6	2.209	2.985	14.4	21.3
122313 2000 QL_{10}			3 31.9	235.°51	2.°7/29.5	18
2 21	13 7.61	− 1 50.3	1.734	2.532	16.0	20.6
3 2	13 4.38	− 0 56.0	1.639	2.522	12.7	20.3
3 12	12 58.58	+ 0 12.8	1.565	2.512	8.7	20.1
3 22	12 50.70	+ 1 30.7	1.516	2.500	4.5	19.8
4 1	12 41.58	+ 2 49.8	1.494	2.489	2.9	19.7
4 11	12 32.38	+ 4 1.3	1.501	2.477	6.8	19.9
4 21	12 24.19	+ 4 57.7	1.533	2.464	11.1	20.1
5 1	12 17.94	+ 5 34.0	1.588	2.451	15.1	20.3
98345 2000 SQ_{304}			3 31.9	61.°56	3.°4/ 3.5	18
2 21	13 9.98	−13 51.9	1.390	2.162	20.6	19.1
3 2	13 6.63	−14 8.6	1.325	2.182	16.8	18.9
3 12	13 0.22	−14 2.7	1.277	2.202	12.4	18.7
3 22	12 51.48	−13 34.8	1.252	2.223	7.6	18.5
4 1	12 41.58	−12 48.4	1.251	2.244	3.7	18.3
4 11	12 31.96	−11 51.2	1.275	2.265	5.3	18.4
4 21	12 23.87	−10 52.2	1.325	2.286	9.7	18.7
5 1	12 18.24	− 9 59.8	1.398	2.307	13.9	19.0

174547 2003 FF_{62} 3 31.9 47.°53 2.°5/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.43	+ 1 13.6	2.111	2.908	13.6	20.0
3 2	13 1.90	+ 1 44.1	2.035	2.918	10.6	19.8
3 12	12 56.38	+ 2 21.5	1.982	2.928	7.2	19.6
3 22	12 49.37	+ 3 1.4	1.955	2.938	3.9	19.5
4 1	12 41.61	+ 3 38.4	1.956	2.948	2.8	19.4
4 11	12 33.98	+ 4 7.6	1.985	2.959	5.6	19.6
4 21	12 27.27	+ 4 25.3	2.041	2.970	8.9	19.8
5 1	12 22.10	+ 4 29.1	2.122	2.981	12.0	20.0

93719 2000 VR_{36} 3 31.9 71.°50 9.°2/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.41	+17 53.9	1.831	2.647	14.6	17.8
3 2	13 3.72	+19 42.6	1.791	2.669	12.1	17.7
3 12	12 57.69	+21 25.2	1.773	2.691	10.0	17.6
3 22	12 50.01	+22 51.9	1.781	2.713	9.2	17.6
4 1	12 41.60	+23 54.1	1.814	2.734	10.0	17.7
4 11	12 33.53	+24 27.1	1.872	2.756	11.9	17.9
4 21	12 26.68	+24 30.3	1.951	2.778	14.1	18.1
5 1	12 21.70	+24 6.0	2.050	2.799	16.2	18.3

275251 2009 XF_{17} 3 31.9 208.°27 2.°8/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.68	−15 17.4	2.356	3.085	14.2	21.3
3 2	13 2.95	−15 18.8	2.250	3.080	11.8	21.1
3 12	12 57.20	−15 4.1	2.165	3.075	8.9	20.9
3 22	12 49.86	−14 33.8	2.106	3.070	5.7	20.7
4 1	12 41.61	−13 49.8	2.074	3.064	3.0	20.5
4 11	12 33.29	−12 56.4	2.071	3.058	3.9	20.6
4 21	12 25.73	−11 59.1	2.097	3.052	7.1	20.8
5 1	12 19.64	−11 3.8	2.149	3.045	10.3	20.9

73204 2002 JZ_{15} 3 31.9 328.°12 0.°6/31.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.60	− 6 28.0	1.276	2.094	19.6	19.3
3 2	13 0.57	− 6 4.8	1.186	2.079	15.7	19.0
3 12	12 56.50	− 5 20.6	1.115	2.065	11.1	18.7
3 22	12 49.85	− 4 18.9	1.066	2.051	5.6	18.4
4 1	12 41.61	− 3 6.8	1.040	2.039	0.7	18.0
4 11	12 33.20	− 1 54.8	1.038	2.027	6.4	18.3
4 21	12 26.04	− 0 53.3	1.060	2.017	12.1	18.6
5 1	12 21.28	− 0 10.6	1.102	2.007	17.1	18.8

522818 2016 NQ_{81} 3 31.9 179.°28 3.°3/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.62	−17 12.3	2.757	3.467	12.8	21.9
3 2	13 1.78	−17 25.8	2.653	3.468	10.7	21.7
3 12	12 56.20	−17 25.4	2.571	3.468	8.2	21.5
3 22	12 49.29	−17 10.9	2.514	3.468	5.6	21.4
4 1	12 41.63	−16 43.6	2.485	3.468	3.5	21.2
4 11	12 33.94	−16 6.5	2.486	3.468	3.8	21.2
4 21	12 26.91	−15 23.8	2.515	3.468	6.2	21.4
5 1	12 21.13	−14 40.1	2.571	3.467	8.9	21.5

114513 2003 BQ_{1} 3 31.9 49.°14 0.°9/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.76	− 4 5.0	2.989	3.765	10.5	19.9
3 2	12 56.89	− 3 24.9	2.900	3.771	8.2	19.8
3 12	12 52.66	− 2 36.4	2.835	3.777	5.6	19.6
3 22	12 47.42	− 1 42.3	2.798	3.782	2.7	19.4
4 1	12 41.65	− 0 46.7	2.791	3.788	1.0	19.3
4 11	12 35.94	+ 0 6.3	2.813	3.795	3.6	19.5
4 21	12 30.79	+ 0 52.9	2.864	3.801	6.3	19.7
5 1	12 26.65	+ 1 30.1	2.941	3.807	8.8	19.8

189452 1999 EZ_{7} 3 31.9 297.°51 0.°3/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.99	− 5 24.3	1.752	2.540	16.3	20.3
3 2	13 4.14	− 5 17.4	1.637	2.512	13.2	20.0
3 12	12 58.64	− 4 57.0	1.543	2.484	9.3	19.7
3 22	12 50.87	− 4 25.0	1.473	2.456	4.8	19.4
4 1	12 41.61	− 3 45.6	1.429	2.428	0.3	19.0
4 11	12 32.00	− 3 5.2	1.412	2.400	5.3	19.3
4 21	12 23.22	− 2 30.3	1.422	2.372	10.2	19.5
5 1	12 16.33	− 2 6.7	1.454	2.344	14.7	19.7

74652 1999 RE_{85} 3 31.9 198.°11 0.°2/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.66	− 7 7.1	2.049	2.818	14.9	21.3
3 2	13 4.74	− 6 38.8	1.951	2.815	11.9	21.1
3 12	12 58.56	− 5 56.2	1.875	2.811	8.3	20.9
3 22	12 50.59	− 5 2.0	1.825	2.807	4.2	20.6
4 1	12 41.62	− 4 1.1	1.803	2.802	0.2	20.3
4 11	12 32.62	− 2 59.9	1.810	2.797	4.5	20.6
4 21	12 24.52	− 2 4.6	1.845	2.790	8.6	20.8
5 1	12 18.11	− 1 20.7	1.905	2.783	12.3	21.1

299198 2005 GQ_{172} 3 31.9 60.°82 4.°7/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 20.27	+ 5 31.2	1.367	2.171	19.2	19.6
3 2	13 14.11	+ 5 55.3	1.326	2.211	15.0	19.5
3 12	13 4.89	+ 6 23.0	1.307	2.251	10.4	19.3
3 22	12 53.60	+ 6 47.1	1.311	2.290	6.1	19.2
4 1	12 41.60	+ 7 0.8	1.342	2.330	4.9	19.2
4 11	12 30.38	+ 6 59.1	1.400	2.368	8.1	19.5
4 21	12 21.10	+ 6 40.5	1.483	2.407	12.0	19.8
5 1	12 14.49	+ 6 5.5	1.589	2.444	15.5	20.1

433975 1999 TZ_{317} 3 31.9 204.°49 1.°6/30.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 10.16	− 0 48.9	2.164	2.945	13.8	21.8
3 2	13 5.72	− 0 38.6	2.070	2.943	10.9	21.6
3 12	12 59.12	− 0 20.8	1.999	2.940	7.5	21.4
3 22	12 50.84	+ 0 1.3	1.954	2.937	3.8	21.1
4 1	12 41.63	+ 0 23.7	1.938	2.934	1.7	21.0
4 11	12 32.41	+ 0 41.6	1.951	2.931	5.0	21.2
4 21	12 24.08	+ 0 51.5	1.991	2.928	8.7	21.4
5 1	12 17.38	+ 0 50.5	2.057	2.924	12.0	21.6

315371 2007 VJ_{18} 3 31.9 55.°46 1.°7/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.16	− 3 16.8	1.396	2.205	18.7	21.2
3 2	13 5.09	− 2 47.8	1.330	2.218	14.7	21.0
3 12	12 59.11	− 2 4.2	1.284	2.232	10.1	20.7
3 22	12 50.92	− 1 11.3	1.261	2.247	5.0	20.5
4 1	12 41.62	− 0 16.7	1.264	2.262	1.9	20.3
4 11	12 32.58	+ 0 31.3	1.292	2.277	6.3	20.6
4 21	12 24.97	+ 1 5.8	1.346	2.292	11.1	20.9
5 1	12 19.69	+ 1 22.8	1.421	2.307	15.2	21.2

49603 1999 FC_{25} 3 31.9 54.°53 2.°2/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.61	− 0 35.4	2.140	2.934	13.5	18.6
3 2	13 1.31	+ 0 1.4	2.057	2.938	10.6	18.4
3 12	12 56.02	+ 0 47.1	1.996	2.942	7.2	18.2
3 22	12 49.23	+ 1 37.3	1.961	2.945	3.7	18.0
4 1	12 41.64	+ 2 26.5	1.955	2.949	2.4	17.9
4 11	12 34.13	+ 3 9.1	1.977	2.953	5.4	18.1
4 21	12 27.48	+ 3 40.7	2.026	2.958	8.8	18.3
5 1	12 22.34	+ 3 58.1	2.099	2.962	12.0	18.5

6575 Slavov 3 31.9 118.°22 0.°1/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.91	− 7 17.1	2.612	3.375	12.2	18.6
3 2	13 0.33	− 6 44.5	2.526	3.387	9.6	18.4
3 12	12 55.11	− 6 0.6	2.464	3.399	6.7	18.2
3 22	12 48.69	− 5 8.4	2.429	3.411	3.4	18.0
4 1	12 41.65	− 4 11.7	2.423	3.422	0.1	17.7
4 11	12 34.70	− 3 15.6	2.447	3.433	3.5	18.1
4 21	12 28.46	− 2 24.4	2.499	3.444	6.7	18.3
5 1	12 23.47	− 1 42.1	2.578	3.454	9.6	18.5

43760 1986 QD_{3} 3 31.9 265.°95 0.°5/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 10.80	− 6 37.8	1.614	2.397	17.7	18.9
3 2	13 7.30	− 6 44.3	1.513	2.383	14.3	18.6
3 12	13 0.89	− 6 36.7	1.431	2.369	10.2	18.3
3 22	12 52.02	− 6 16.5	1.373	2.355	5.4	18.0
4 1	12 41.61	− 5 47.4	1.342	2.341	0.5	17.6
4 11	12 30.97	− 5 15.4	1.337	2.326	5.2	17.9
4 21	12 21.39	− 4 46.8	1.358	2.311	10.3	18.1
5 1	12 14.00	− 4 27.7	1.403	2.296	14.9	18.4

47519 2000 AK_{79} 3 31.9 218.°04 4.°1/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.42	+ 2 57.4	1.967	2.768	14.3	18.7
3 2	13 3.84	+ 4 2.7	1.876	2.761	11.3	18.5
3 12	12 57.98	+ 5 17.1	1.808	2.754	7.8	18.2
3 22	12 50.31	+ 6 34.4	1.766	2.746	4.8	18.0
4 1	12 41.64	+ 7 46.8	1.753	2.737	4.5	18.0
4 11	12 32.94	+ 8 46.8	1.767	2.729	7.4	18.2
4 21	12 25.17	+ 9 28.9	1.808	2.719	11.0	18.3
5 1	12 19.11	+ 9 50.3	1.872	2.709	14.3	18.5

306119 2010 JX_{82} 3 31.9 319.°71 6.°0/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.31	+ 4 51.5	1.372	2.201	17.8	20.4
3 2	13 3.93	+ 6 3.5	1.296	2.196	14.1	20.2
3 12	12 58.55	+ 7 25.7	1.241	2.191	10.0	19.9
3 22	12 50.76	+ 8 48.8	1.208	2.187	6.6	19.7
4 1	12 41.63	+10 1.6	1.201	2.183	6.6	19.7
4 11	12 32.55	+10 53.8	1.219	2.179	10.1	19.9
4 21	12 24.81	+11 19.3	1.259	2.175	14.3	20.1
5 1	12 19.41	+11 16.4	1.319	2.172	18.2	20.3

337787 2001 UU_{195} 3 31.9 58.°55 0.°3/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.71	− 8 43.5	2.095	2.871	14.4	20.7
3 2	12 59.03	− 7 43.2	2.017	2.886	11.4	20.5
3 12	12 54.42	− 6 26.7	1.961	2.900	7.8	20.3
3 22	12 48.40	− 4 58.3	1.932	2.915	3.9	20.1
4 1	12 41.66	− 3 24.5	1.931	2.930	0.4	19.8
4 11	12 35.06	− 1 52.7	1.959	2.945	4.3	20.2
4 21	12 29.34	− 0 30.1	2.015	2.960	8.0	20.4
5 1	12 25.10	+ 0 38.0	2.096	2.975	11.3	20.7

280967 2006 DF 3 31.9 14.°11 6.°6/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.38	+ 8 31.1	1.407	2.240	17.3	19.4
3 2	13 2.92	+ 9 22.4	1.344	2.245	13.7	19.2
3 12	12 57.62	+10 16.6	1.303	2.251	9.9	19.0
3 22	12 50.17	+11 5.0	1.284	2.258	7.0	18.8
4 1	12 41.64	+11 38.8	1.289	2.266	7.1	18.8
4 11	12 33.35	+11 51.1	1.319	2.275	9.9	19.0
4 21	12 26.44	+11 39.0	1.372	2.285	13.6	19.3
5 1	12 21.75	+11 3.1	1.445	2.296	17.0	19.5

379666 2011 EB_{77} 3 31.9 359.°33 4.°5/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.06	+ 5 8.8	1.651	2.465	16.0	20.1
3 2	13 4.71	+ 5 40.9	1.572	2.464	12.6	19.9
3 12	12 58.74	+ 6 18.5	1.515	2.463	8.9	19.7
3 22	12 50.74	+ 6 55.1	1.483	2.462	5.4	19.5
4 1	12 41.64	+ 7 23.8	1.476	2.463	4.8	19.4
4 11	12 32.64	+ 7 38.5	1.496	2.463	7.9	19.6
4 21	12 24.81	+ 7 35.3	1.541	2.464	11.7	19.8
5 1	12 19.02	+ 7 13.2	1.608	2.465	15.3	20.0

159684 2002 KC 3 31.9 304.°68 9.°4/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.63	+16 7.8	1.763	2.588	14.6	19.1
3 2	13 1.32	+17 58.0	1.681	2.568	12.2	18.9
3 12	12 56.51	+19 49.0	1.622	2.548	10.2	18.7
3 22	12 49.68	+21 30.2	1.587	2.527	9.4	18.6
4 1	12 41.65	+22 50.4	1.578	2.507	10.6	18.7
4 11	12 33.55	+23 41.4	1.592	2.488	13.0	18.7
4 21	12 26.44	+23 59.1	1.628	2.468	15.8	18.9
5 1	12 21.21	+23 44.0	1.682	2.449	18.5	19.0

305668 2009 BN_{85} 3 31.9 14.°29 1.°4/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.11	− 9 30.3	1.210	2.019	21.0	20.7
3 2	13 2.56	− 9 31.5	1.138	2.022	17.0	20.4
3 12	12 57.79	− 9 10.6	1.083	2.026	12.1	20.1
3 22	12 50.44	− 8 29.9	1.048	2.030	6.7	19.8
4 1	12 41.65	− 7 34.9	1.037	2.036	1.5	19.5
4 11	12 32.94	− 6 35.0	1.050	2.042	5.6	19.8
4 21	12 25.72	− 5 39.9	1.086	2.049	11.1	20.1
5 1	12 21.06	− 4 57.9	1.144	2.057	15.9	20.4

96982 1999 TA_{209} 3 31.9 222.°71 6.°3/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 9.46	−25 24.2	2.550	3.209	14.8	20.3
3 2	13 5.27	−26 5.3	2.435	3.200	13.0	20.1
3 12	12 58.92	−26 28.9	2.339	3.190	10.8	19.9
3 22	12 50.83	−26 32.5	2.266	3.180	8.5	19.8
4 1	12 41.65	−26 15.1	2.219	3.169	6.7	19.6
4 11	12 32.28	−25 38.3	2.199	3.157	6.4	19.6
4 21	12 23.62	−24 46.5	2.207	3.145	7.9	19.7
5 1	12 16.45	−23 45.7	2.242	3.132	10.2	19.8

506249 2016 OE_5 3 31.9 268.°27 2.°7/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.21	−13 13.6	2.237	2.978	14.6	21.1
3 2	13 3.54	−13 32.0	2.130	2.969	12.0	20.9
3 12	12 57.73	−13 36.3	2.044	2.959	9.0	20.7
3 22	12 50.20	−13 26.6	1.983	2.950	5.6	20.5
4 1	12 41.65	−13 4.4	1.949	2.941	2.9	20.3
4 11	12 32.98	−12 33.2	1.944	2.931	4.1	20.3
4 21	12 25.07	−11 58.0	1.967	2.922	7.5	20.5
5 1	12 18.71	−11 23.9	2.015	2.912	10.9	20.7

213251 2001 CS_{41} 3 31.9 129.°42 1.°4/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 10.24	− 3 42.4	1.878	2.660	15.6	21.1
3 2	13 5.97	− 3 6.3	1.801	2.674	12.3	20.9
3 12	12 59.35	− 2 17.9	1.745	2.687	8.4	20.7
3 22	12 50.94	− 1 21.4	1.716	2.700	4.2	20.5
4 1	12 41.65	− 0 23.1	1.714	2.712	1.5	20.3
4 11	12 32.51	+ 0 30.3	1.742	2.723	5.3	20.6
4 21	12 24.48	+ 1 13.2	1.796	2.734	9.3	20.9
5 1	12 18.32	+ 1 41.5	1.875	2.744	12.9	21.1

440223 2004 PW_{57} 3 31.9 283.°52 16.°3/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 16.47	−30 32.4	1.275	1.963	25.9	21.1
3 2	13 13.89	−33 16.5	1.188	1.955	23.8	20.8
3 12	13 6.96	−35 39.2	1.115	1.947	21.2	20.6
3 22	12 55.84	−37 28.3	1.058	1.939	18.7	20.4
4 1	12 41.59	−38 31.3	1.020	1.931	16.8	20.3
4 11	12 26.32	−38 42.0	1.001	1.923	16.3	20.2
4 21	12 12.50	−38 3.6	1.002	1.915	17.5	20.2
5 1	12 2.29	−36 49.0	1.022	1.907	19.8	20.3

431941 2008 TP_{184} 3 31.9 331.°26 0.°1/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.65	− 7 22.1	1.922	2.703	15.3	21.7
3 2	13 1.72	− 7 1.6	1.830	2.700	12.3	21.5
3 12	12 56.53	− 6 26.4	1.759	2.698	8.6	21.3
3 22	12 49.59	− 5 39.4	1.713	2.696	4.4	21.0
4 1	12 41.67	− 4 45.1	1.695	2.694	0.1	20.6
4 11	12 33.74	− 3 50.1	1.704	2.692	4.5	21.0
4 21	12 26.73	− 3 0.6	1.740	2.691	8.7	21.2
5 1	12 21.42	− 2 22.0	1.801	2.689	12.4	21.5

237457 1999 VK_{128} 3 31.9 157.°91 1.°4/30.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.37	− 2 28.5	2.201	2.982	13.6	21.9
3 2	13 3.45	− 2 3.5	2.113	2.986	10.7	21.7
3 12	12 57.49	− 1 29.0	2.047	2.989	7.3	21.5
3 22	12 49.99	− 0 48.6	2.008	2.992	3.7	21.2
4 1	12 41.67	− 0 7.0	1.997	2.994	1.5	21.1
4 11	12 33.39	+ 0 30.8	2.015	2.997	4.7	21.3
4 21	12 25.98	+ 1 0.1	2.062	2.999	8.4	21.5
5 1	12 20.10	+ 1 17.8	2.133	3.001	11.6	21.7

107076 2001 AM_{21} 3 31.9 11.°86 1.°1/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.83	− 8 59.3	1.936	2.706	15.6	20.1
3 2	13 3.43	− 8 58.2	1.844	2.706	12.6	19.8
3 12	12 57.72	− 8 42.6	1.774	2.706	9.0	19.6
3 22	12 50.20	− 8 14.5	1.728	2.707	4.9	19.4
4 1	12 41.67	− 7 37.2	1.709	2.707	1.1	19.1
4 11	12 33.14	− 6 56.1	1.718	2.707	4.2	19.3
4 21	12 25.56	− 6 16.9	1.754	2.708	8.3	19.6
5 1	12 19.72	− 5 45.0	1.815	2.708	12.1	19.8

212594 2006 SN_{208} 3 31.9 131.°80 0.°7/31.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.53	− 3 18.6	2.521	3.291	12.4	20.4
3 2	13 3.26	− 3 9.4	2.431	3.298	9.8	20.3
3 12	12 57.20	− 2 52.1	2.366	3.304	6.7	20.1
3 22	12 49.80	− 2 29.5	2.327	3.310	3.3	19.9
4 1	12 41.69	− 2 4.8	2.317	3.316	0.7	19.7
4 11	12 33.63	− 1 41.9	2.337	3.321	3.9	19.9
4 21	12 26.33	− 1 24.3	2.386	3.327	7.2	20.1
5 1	12 20.39	− 1 14.8	2.461	3.332	10.1	20.3

198505 2004 XP_{77} 3 31.9 250.°67 3.°6/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.27	−17 9.8	2.106	2.837	15.7	20.1
3 2	13 2.17	−17 15.2	2.002	2.831	13.1	19.9
3 12	12 56.86	−17 1.8	1.918	2.824	10.0	19.7
3 22	12 49.79	−16 29.4	1.858	2.818	6.7	19.5
4 1	12 41.68	−15 39.8	1.824	2.811	3.9	19.3
4 11	12 33.49	−14 37.7	1.818	2.804	4.5	19.3
4 21	12 26.13	−13 29.6	1.839	2.797	7.7	19.5
5 1	12 20.41	−12 22.7	1.886	2.789	11.2	19.7

237270 2008 WP_{109} 3 31.9 87.°72 1.°1/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.13	− 3 21.9	2.091	2.876	14.1	21.0
3 2	13 2.55	− 2 56.4	2.009	2.883	11.1	20.8
3 12	12 56.90	− 2 20.4	1.948	2.891	7.6	20.6
3 22	12 49.70	− 1 37.5	1.914	2.898	3.8	20.4
4 1	12 41.69	− 0 52.7	1.907	2.905	1.3	20.2
4 11	12 33.76	− 0 11.5	1.929	2.912	4.7	20.5
4 21	12 26.73	+ 0 21.4	1.979	2.919	8.4	20.7
5 1	12 21.30	+ 0 42.4	2.053	2.926	11.8	20.9

470094 2006 TY_{15} 3 31.9 221.°35 1.°1/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.06	−11 43.7	2.629	3.375	12.5	22.0
3 2	12 59.83	−11 15.7	2.523	3.369	10.1	21.8
3 12	12 54.90	−10 33.5	2.439	3.363	7.3	21.6
3 22	12 48.67	− 9 38.8	2.381	3.356	4.1	21.4
4 1	12 41.70	− 8 35.1	2.352	3.349	1.2	21.2
4 11	12 34.70	− 7 27.2	2.353	3.342	3.3	21.3
4 21	12 28.35	− 6 20.5	2.383	3.334	6.6	21.5
5 1	12 23.22	− 5 20.0	2.439	3.327	9.6	21.7

498389 2007 XR_{14} 3 31.9 116.°95 0.°8/31.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.68	− 4 11.8	2.578	3.349	12.1	22.2
3 2	13 1.72	− 3 44.7	2.496	3.362	9.5	22.0
3 12	12 56.07	− 3 8.6	2.437	3.376	6.5	21.9
3 22	12 49.19	− 2 26.4	2.406	3.389	3.2	21.7
4 1	12 41.70	− 1 42.2	2.403	3.402	0.8	21.5
4 11	12 34.30	− 1 0.4	2.431	3.414	3.9	21.8
4 21	12 27.65	− 0 24.9	2.488	3.427	7.0	22.0
5 1	12 22.29	+ 0 1.1	2.570	3.438	9.9	22.2

9346 Fernandel 3 31.9 126.°30 1.°8/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 9.52	− 2 39.6	1.898	2.684	15.3	18.3
3 2	13 5.38	− 1 57.7	1.822	2.698	12.0	18.1
3 12	12 58.92	− 1 4.2	1.768	2.712	8.2	17.9
3 22	12 50.73	− 0 3.8	1.740	2.724	4.1	17.7
4 1	12 41.68	+ 0 57.1	1.740	2.737	2.0	17.5
4 11	12 32.79	+ 1 51.6	1.769	2.748	5.5	17.8
4 21	12 24.98	+ 2 34.2	1.825	2.760	9.4	18.0
5 1	12 18.99	+ 3 1.3	1.905	2.770	12.9	18.3

295564 2008 ST_{72} 3 31.9 229.°89 1.°0/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 9.60	− 5 28.5	1.781	2.563	16.3	21.4
3 2	13 5.99	− 4 52.4	1.679	2.551	13.0	21.1
3 12	12 59.75	− 4 0.2	1.598	2.539	9.1	20.8
3 22	12 51.36	− 2 55.5	1.541	2.525	4.6	20.5
4 1	12 41.68	− 1 44.2	1.513	2.511	1.1	20.3
4 11	12 31.83	− 0 34.6	1.512	2.496	5.6	20.5
4 21	12 22.98	+ 0 25.7	1.539	2.481	10.3	20.8
5 1	12 16.06	+ 1 10.6	1.589	2.465	14.5	21.0

109877 2001 RZ_{154} 3 31.9 212.°29 2.°6/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.50	+ 0 23.6	2.002	2.795	14.4	20.9
3 2	13 4.63	+ 1 0.1	1.910	2.790	11.3	20.6
3 12	12 58.50	+ 1 45.7	1.841	2.786	7.8	20.4
3 22	12 50.59	+ 2 35.7	1.798	2.781	4.2	20.2
4 1	12 41.69	+ 3 24.1	1.782	2.775	2.8	20.1
4 11	12 32.78	+ 4 4.8	1.795	2.770	6.0	20.3
4 21	12 24.79	+ 4 32.9	1.835	2.764	9.8	20.5
5 1	12 18.52	+ 4 45.3	1.899	2.757	13.3	20.7

377968 2006 KC_{56} 3 31.9 335.°96 1.°3/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.61	− 3 9.1	1.190	2.016	20.2	20.7
3 2	13 3.22	− 3 7.4	1.105	2.003	16.2	20.4
3 12	12 58.51	− 2 50.5	1.039	1.991	11.3	20.1
3 22	12 50.96	− 2 22.1	0.993	1.980	5.7	19.7
4 1	12 41.68	− 1 48.7	0.971	1.969	1.4	19.4
4 11	12 32.23	− 1 18.8	0.972	1.960	6.9	19.7
4 21	12 24.18	− 1 0.2	0.995	1.952	12.6	20.0
5 1	12 18.76	− 0 58.6	1.039	1.946	17.8	20.3

383671 2007 TH_{180} 3 31.9 111.°91 0.°2/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.58	− 8 1.7	2.375	3.140	13.2	22.2
3 2	13 1.07	− 7 33.6	2.289	3.150	10.5	22.1
3 12	12 55.75	− 6 52.9	2.226	3.160	7.3	21.9
3 22	12 49.08	− 6 2.4	2.189	3.170	3.8	21.7
4 1	12 41.71	− 5 6.3	2.181	3.180	0.2	21.4
4 11	12 34.42	− 4 9.7	2.202	3.190	3.7	21.7
4 21	12 27.92	− 3 17.9	2.252	3.199	7.2	21.9
5 1	12 22.80	− 2 35.2	2.327	3.208	10.3	22.1

355807 2008 SF_{269} 3 31.9 226.°69 0.°8/31.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 10.97	− 4 38.9	1.595	2.385	17.5	21.7
3 2	13 7.33	− 4 24.0	1.503	2.379	14.1	21.5
3 12	13 0.82	− 3 54.8	1.430	2.372	9.8	21.2
3 22	12 51.95	− 3 14.4	1.381	2.365	5.0	20.9
4 1	12 41.68	− 2 28.3	1.359	2.358	0.9	20.6
4 11	12 31.32	− 1 43.9	1.364	2.350	5.7	20.9
4 21	12 22.12	− 1 8.1	1.395	2.342	10.7	21.1
5 1	12 15.13	− 0 46.2	1.449	2.333	15.1	21.4

422446 2014 SR_{305} 3 31.9 241.°93 1.°2/ 1.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 10.20	− 8 55.3	1.762	2.532	16.9	21.7
3 2	13 6.54	− 8 56.7	1.660	2.521	13.7	21.5
3 12	13 0.20	− 8 42.5	1.578	2.510	9.9	21.2
3 22	12 51.62	− 8 13.8	1.519	2.499	5.4	20.9
4 1	12 41.68	− 7 34.3	1.488	2.487	1.2	20.6
4 11	12 31.57	− 6 49.6	1.485	2.474	4.7	20.8
4 21	12 22.45	− 6 6.5	1.508	2.461	9.5	21.1
5 1	12 15.33	− 5 31.4	1.555	2.448	13.7	21.3

232530 2003 ST_{25} 3 31.9 193.°64 0.°0/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.83	− 6 39.9	2.377	3.141	13.2	20.8
3 2	13 2.94	− 6 22.9	2.278	3.140	10.5	20.6
3 12	12 57.13	− 5 54.7	2.203	3.138	7.4	20.4
3 22	12 49.83	− 5 17.4	2.154	3.136	3.8	20.2
4 1	12 41.71	− 4 34.8	2.134	3.133	0.0	19.8
4 11	12 33.58	− 3 51.6	2.143	3.130	3.8	20.2
4 21	12 26.20	− 3 12.6	2.181	3.127	7.5	20.4
5 1	12 20.25	− 2 41.9	2.244	3.123	10.7	20.6

15664 4050 $T\text{-}_3$ 3 31.9 113.°54 2.°3/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.55	− 1 36.2	1.912	2.704	15.0	19.0
3 2	13 3.81	− 0 45.2	1.837	2.717	11.7	18.8
3 12	12 57.83	+ 0 16.9	1.785	2.730	8.0	18.6
3 22	12 50.18	+ 1 24.8	1.759	2.743	4.1	18.4
4 1	12 41.70	+ 2 31.6	1.761	2.755	2.6	18.3
4 11	12 33.38	+ 3 30.2	1.791	2.767	5.8	18.5
4 21	12 26.11	+ 4 15.4	1.848	2.779	9.6	18.8
5 1	12 20.58	+ 4 43.6	1.930	2.790	13.0	19.0

306901 2001 TN_{167} 3 31.9 162.°36 4.°9/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.40	−21 4.1	2.227	2.926	15.7	21.1
3 2	13 4.50	−21 22.2	2.129	2.931	13.4	21.0
3 12	12 58.38	−21 20.9	2.051	2.935	10.6	20.8
3 22	12 50.53	−20 59.1	1.996	2.939	7.7	20.6
4 1	12 41.70	−20 17.8	1.968	2.942	5.3	20.4
4 11	12 32.86	−19 20.7	1.968	2.945	5.3	20.4
4 21	12 24.91	−18 14.0	1.995	2.947	7.6	20.6
5 1	12 18.61	−17 4.8	2.049	2.949	10.6	20.8

337400 2001 QQ_{186} 3 31.9 108.°58 1.°0/30.6 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.98	− 4 7.1	2.798	3.565	11.3	21.5
3 2	13 0.97	− 3 22.5	2.723	3.589	8.9	21.3
3 12	12 55.44	− 2 29.2	2.672	3.611	6.0	21.2
3 22	12 48.83	− 1 30.6	2.650	3.633	3.0	21.0
4 1	12 41.72	− 0 31.0	2.657	3.655	1.1	20.9
4 11	12 34.74	+ 0 25.0	2.696	3.676	3.8	21.1
4 21	12 28.48	+ 1 13.5	2.763	3.697	6.7	21.3
5 1	12 23.40	+ 1 51.5	2.857	3.717	9.3	21.5

372479 2009 SD_{204} 3 31.9 92.°84 0.°7/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 12.58	− 2 54.2	1.941	2.718	15.3	21.0
3 2	13 7.73	− 2 55.5	1.864	2.733	12.1	20.8
3 12	13 0.52	− 2 47.7	1.809	2.749	8.3	20.6
3 22	12 51.55	− 2 33.7	1.780	2.763	4.2	20.3
4 1	12 41.70	− 2 17.3	1.779	2.778	0.8	20.1
4 11	12 32.02	− 2 3.0	1.808	2.793	4.7	20.4
4 21	12 23.46	− 1 54.9	1.864	2.807	8.7	20.7
5 1	12 16.76	− 1 55.8	1.945	2.821	12.2	20.9

134370 1995 QA_1 3 31.9 263.°58 3.°0/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.30	−12 39.0	1.731	2.490	17.6	20.5
3 2	13 5.97	−12 59.0	1.627	2.478	14.5	20.2
3 12	12 59.89	−13 1.9	1.543	2.466	10.8	20.0
3 22	12 51.51	−12 47.2	1.482	2.453	6.7	19.7
4 1	12 41.70	−12 16.6	1.447	2.441	3.2	19.5
4 11	12 31.65	−11 35.0	1.439	2.428	4.9	19.5
4 21	12 22.60	−10 48.9	1.457	2.415	9.3	19.8
5 1	12 15.59	−10 6.0	1.499	2.402	13.6	20.0

98460 2000 UM_{73} 3 31.9 125.°28 0.°3/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 11.46	− 6 24.7	1.883	2.654	15.9	20.9
3 2	13 6.94	− 6 1.3	1.805	2.670	12.6	20.7
3 12	13 0.03	− 5 24.0	1.749	2.686	8.8	20.5
3 22	12 51.32	− 4 36.2	1.719	2.701	4.4	20.2
4 1	12 41.71	− 3 43.2	1.717	2.716	0.3	19.9
4 11	12 32.27	− 2 51.5	1.744	2.730	4.7	20.3
4 21	12 23.97	− 2 6.8	1.798	2.743	8.8	20.6
5 1	12 17.56	− 1 34.0	1.877	2.756	12.5	20.8

234420 2001 RE_{93} 3 31.9 152.°34 3.°9/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 33.28	− 6 44.6	1.212	1.976	23.4	20.1
3 2	13 26.42	− 8 24.5	1.128	1.983	19.3	19.8
3 12	13 14.99	− 9 57.4	1.063	1.989	14.3	19.5
3 22	12 59.55	−11 19.4	1.020	1.994	8.5	19.2
4 1	12 41.63	−12 26.4	1.004	1.999	3.9	19.0
4 11	12 23.55	−13 17.3	1.016	2.003	7.2	19.2
4 21	12 7.59	−13 54.7	1.055	2.006	12.9	19.5
5 1	11 55.41	−14 25.0	1.117	2.008	18.1	19.8

24005 Eddieozawa 3 31.9 122.°49 0.°8/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.71	− 5 59.4	2.030	2.811	14.6	19.1
3 2	13 1.55	− 5 16.0	1.944	2.816	11.5	18.9
3 12	12 56.29	− 4 18.4	1.881	2.822	7.9	18.7
3 22	12 49.43	− 3 10.8	1.843	2.827	3.9	18.4
4 1	12 41.73	− 1 58.7	1.833	2.832	0.9	18.2
4 11	12 34.10	− 0 49.4	1.852	2.837	4.7	18.5
4 21	12 27.37	+ 0 11.1	1.899	2.841	8.6	18.7
5 1	12 22.24	+ 0 57.8	1.970	2.846	12.1	19.0

151762 2003 EP_{11} 3 31.9 41.°91 0.°8/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.36	− 9 47.6	1.506	2.296	18.4	20.0
3 2	13 1.98	− 9 23.5	1.435	2.309	14.7	19.8
3 12	12 56.93	− 8 39.1	1.383	2.322	10.4	19.6
3 22	12 49.85	− 7 38.0	1.354	2.336	5.5	19.3
4 1	12 41.74	− 6 26.6	1.351	2.350	0.8	19.0
4 11	12 33.80	− 5 13.5	1.375	2.365	4.9	19.4
4 21	12 27.13	− 4 7.5	1.423	2.380	9.6	19.7
5 1	12 22.54	− 3 15.2	1.495	2.396	13.7	20.0

402947 2007 TS_{355} 3 31.9 203.°20 3.°4/28.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.92	+ 0 33.6	2.138	2.928	13.7	22.0
3 2	13 4.05	+ 1 52.5	2.043	2.922	10.7	21.8
3 12	12 58.05	+ 3 23.0	1.972	2.916	7.4	21.5
3 22	12 50.36	+ 4 58.8	1.928	2.909	4.2	21.3
4 1	12 41.74	+ 6 32.3	1.914	2.901	3.8	21.3
4 11	12 33.08	+ 7 55.4	1.929	2.892	6.7	21.4
4 21	12 25.27	+ 9 2.0	1.972	2.882	10.3	21.6
5 1	12 19.05	+ 9 48.2	2.039	2.872	13.5	21.8

430169 2013 TO_{87} 3 31.9 110.°27 0.°3/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.64	− 6 48.8	1.931	2.711	15.3	21.7
3 2	13 2.43	− 6 20.0	1.844	2.715	12.2	21.5
3 12	12 56.99	− 5 36.7	1.779	2.718	8.4	21.3
3 22	12 49.83	− 4 42.1	1.739	2.722	4.3	21.1
4 1	12 41.74	− 3 41.5	1.727	2.726	0.3	20.7
4 11	12 33.71	− 2 41.7	1.743	2.730	4.6	21.1
4 21	12 26.64	− 1 49.0	1.786	2.733	8.7	21.3
5 1	12 21.27	− 1 8.4	1.853	2.737	12.3	21.6

150749 2001 QJ_{120} 3 31.9 166.°49 1.°7/29.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.86	− 2 0.9	2.530	3.303	12.2	21.3
3 2	13 3.53	− 1 15.6	2.440	3.309	9.6	21.2
3 12	12 57.40	− 0 21.1	2.374	3.315	6.5	21.0
3 22	12 49.92	+ 0 38.5	2.336	3.320	3.3	20.8
4 1	12 41.74	+ 1 38.3	2.328	3.324	1.9	20.7
4 11	12 33.62	+ 2 33.1	2.351	3.327	4.7	20.9
4 21	12 26.26	+ 3 18.4	2.402	3.329	7.9	21.1
5 1	12 20.26	+ 3 51.0	2.479	3.331	10.7	21.3

102666 1999 VO_{60} 3 31.9 227.°62 1.°4/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.64	−11 59.6	1.916	2.675	16.1	20.2
3 2	13 3.45	−11 35.3	1.813	2.667	13.1	20.0
3 12	12 57.87	−10 51.7	1.730	2.658	9.5	19.7
3 22	12 50.37	− 9 50.5	1.672	2.649	5.4	19.5
4 1	12 41.74	− 8 35.8	1.641	2.639	1.5	19.2
4 11	12 33.01	− 7 14.8	1.639	2.629	4.3	19.4
4 21	12 25.19	− 5 55.6	1.664	2.618	8.7	19.6
5 1	12 19.14	− 4 45.5	1.714	2.607	12.7	19.8

7232 Nabokov 3 31.9 226.°39 2.°6/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.30	− 0 30.8	1.930	2.720	14.9	18.9
3 2	13 5.46	+ 0 12.7	1.831	2.710	11.8	18.7
3 12	12 59.22	+ 1 7.3	1.755	2.700	8.1	18.4
3 22	12 51.04	+ 2 8.3	1.705	2.689	4.3	18.2
4 1	12 41.74	+ 3 8.9	1.683	2.677	2.9	18.1
4 11	12 32.35	+ 4 2.1	1.689	2.664	6.3	18.3
4 21	12 23.89	+ 4 42.1	1.723	2.651	10.3	18.5
5 1	12 17.21	+ 5 4.8	1.779	2.637	14.0	18.7

102234 Olivebyrne 3 31.9 204.°92 0.°3/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.71	− 7 56.0	2.141	2.901	14.6	21.2
3 2	13 5.53	− 7 37.4	2.038	2.896	11.7	21.0
3 12	12 59.12	− 7 5.0	1.958	2.890	8.3	20.7
3 22	12 50.94	− 6 21.0	1.903	2.883	4.3	20.5
4 1	12 41.74	− 5 29.4	1.877	2.876	0.3	20.1
4 11	12 32.48	− 4 35.7	1.880	2.868	4.2	20.4
4 21	12 24.06	− 3 46.0	1.912	2.859	8.2	20.7
5 1	12 17.28	− 3 5.4	1.969	2.849	11.9	20.9

29790 1999 CW_{64} 3 31.9 294.°14 3.°5/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.17	−17 49.9	1.760	2.509	17.7	18.2
3 2	13 0.28	−17 30.9	1.652	2.493	14.9	17.9
3 12	12 55.89	−16 46.2	1.562	2.477	11.4	17.6
3 22	12 49.45	−15 35.5	1.495	2.461	7.4	17.4
4 1	12 41.75	−14 1.8	1.454	2.445	3.9	17.1
4 11	12 33.89	−12 12.8	1.439	2.429	4.8	17.1
4 21	12 26.96	−10 18.7	1.451	2.413	8.9	17.3
5 1	12 21.89	− 8 30.4	1.489	2.398	13.2	17.5

374373 2005 UK_{361} 3 31.9 179.°86 0.°2/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.74	− 8 7.6	2.072	2.841	14.7	22.4
3 2	13 3.18	− 7 42.9	1.979	2.842	11.8	22.2
3 12	12 57.46	− 7 3.8	1.907	2.842	8.3	21.9
3 22	12 50.07	− 6 12.7	1.861	2.842	4.3	21.7
4 1	12 41.75	− 5 14.3	1.843	2.842	0.3	21.4
4 11	12 33.45	− 4 14.7	1.854	2.842	4.2	21.7
4 21	12 26.03	− 3 19.9	1.892	2.841	8.2	21.9
5 1	12 20.23	− 2 35.3	1.956	2.840	11.8	22.1

212577 2006 SK_{116} 3 31.9 235.°83 0.°0/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.06	− 6 49.4	2.413	3.182	12.9	21.8
3 2	13 0.75	− 6 27.2	2.315	3.179	10.3	21.6
3 12	12 55.62	− 5 53.5	2.239	3.175	7.2	21.4
3 22	12 49.08	− 5 10.6	2.190	3.172	3.7	21.2
4 1	12 41.77	− 4 22.4	2.169	3.168	0.1	20.8
4 11	12 34.44	− 3 33.8	2.177	3.165	3.8	21.1
4 21	12 27.83	− 2 49.8	2.214	3.161	7.3	21.4
5 1	12 22.56	− 2 14.3	2.276	3.157	10.5	21.5

335947 2007 TY_{77} 3 31.9 90.°40 2.°0/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.28	−14 48.2	2.475	3.206	13.6	20.9
3 2	13 1.51	−14 25.8	2.397	3.230	11.1	20.7
3 12	12 55.97	−13 47.7	2.341	3.254	8.1	20.6
3 22	12 49.18	−12 55.6	2.310	3.278	4.9	20.4
4 1	12 41.77	−11 53.0	2.308	3.301	2.2	20.3
4 11	12 34.52	−10 45.0	2.335	3.324	3.3	20.4
4 21	12 28.10	− 9 37.2	2.392	3.347	6.4	20.6
5 1	12 23.05	− 8 34.8	2.476	3.369	9.3	20.8

433154 2012 TZ_{242} 3 31.9 263.°57 2.°3/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.70	+ 0 33.3	2.180	2.971	13.4	21.5
3 2	13 3.05	+ 1 0.4	2.085	2.964	10.6	21.3
3 12	12 57.33	+ 1 35.2	2.012	2.957	7.3	21.1
3 22	12 50.00	+ 2 13.6	1.966	2.949	3.8	20.9
4 1	12 41.77	+ 2 50.8	1.948	2.942	2.5	20.8
4 11	12 33.51	+ 3 21.3	1.959	2.934	5.5	20.9
4 21	12 26.07	+ 3 41.2	1.996	2.927	9.0	21.1
5 1	12 20.15	+ 3 47.6	2.059	2.919	12.3	21.3

386129 2007 SG_{24} 3 31.9 174.°73 2.°8/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.09	−16 35.2	2.539	3.262	13.5	21.5
3 2	13 0.74	−16 26.1	2.438	3.263	11.2	21.3
3 12	12 55.58	−16 0.8	2.358	3.264	8.4	21.1
3 22	12 49.06	−15 19.8	2.304	3.265	5.5	20.9
4 1	12 41.77	−14 25.6	2.277	3.266	3.0	20.8
4 11	12 34.49	−13 22.6	2.279	3.266	3.7	20.8
4 21	12 27.92	−12 16.3	2.310	3.266	6.5	21.0
5 1	12 22.67	−11 12.2	2.368	3.266	9.4	21.2

160571 1998 WG_{10} 3 31.9 174.°04 4.°0/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.02	+ 6 57.7	2.530	3.322	11.7	20.4
3 2	13 3.66	+ 7 41.2	2.446	3.324	9.2	20.3
3 12	12 57.49	+ 8 27.5	2.386	3.326	6.6	20.1
3 22	12 49.98	+ 9 11.9	2.354	3.327	4.4	20.0
4 1	12 41.77	+ 9 49.3	2.351	3.328	4.3	19.9
4 11	12 33.63	+10 15.2	2.377	3.329	6.4	20.1
4 21	12 26.26	+10 26.9	2.430	3.329	9.1	20.2
5 1	12 20.25	+10 23.2	2.508	3.329	11.6	20.4

422757 2001 TL_7 3 31.9 168.°41 2.°8/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.88	−17 55.5	2.744	3.446	13.0	22.7
3 2	13 3.52	−17 40.4	2.642	3.453	10.8	22.6
3 12	12 57.40	−17 9.1	2.561	3.458	8.2	22.4
3 22	12 49.94	−16 22.0	2.506	3.463	5.4	22.2
4 1	12 41.77	−15 21.6	2.480	3.466	3.1	22.1
4 11	12 33.63	−14 12.0	2.484	3.469	3.6	22.1
4 21	12 26.20	−12 58.8	2.519	3.471	6.2	22.3
5 1	12 20.09	−11 47.4	2.581	3.473	9.0	22.5

188870 2006 UD_{233} 3 31.9 346.°41 10.°3/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.31	+17 26.0	1.547	2.374	16.2	19.3
3 2	13 3.62	+19 5.9	1.484	2.371	13.5	19.1
3 12	12 58.16	+20 42.3	1.443	2.367	11.3	19.0
3 22	12 50.53	+22 3.8	1.425	2.365	10.3	18.9
4 1	12 41.76	+22 59.3	1.430	2.362	11.3	18.9
4 11	12 33.15	+23 21.9	1.459	2.360	13.6	19.1
4 21	12 25.84	+23 10.1	1.509	2.359	16.3	19.2
5 1	12 20.71	+22 26.1	1.577	2.358	19.0	19.4

166658 2002 TG_{28} 3 31.9 85.°55 1.°8/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.02	− 0 17.5	2.192	2.976	13.6	19.7
3 2	13 4.64	− 0 2.0	2.116	2.990	10.6	19.5
3 12	12 58.26	+ 0 20.5	2.062	3.004	7.3	19.3
3 22	12 50.38	+ 0 46.4	2.035	3.018	3.7	19.1
4 1	12 41.77	+ 1 11.5	2.036	3.032	1.9	19.0
4 11	12 33.31	+ 1 31.3	2.067	3.046	4.9	19.2
4 21	12 25.79	+ 1 42.4	2.125	3.060	8.3	19.4
5 1	12 19.85	+ 1 42.6	2.209	3.073	11.4	19.7

376766 1999 XB_{150} 3 31.9 118.°84 0.°6/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.70	− 9 17.3	2.306	3.063	13.7	22.1
3 2	13 2.79	− 8 55.6	2.222	3.077	11.0	22.0
3 12	12 56.98	− 8 20.6	2.161	3.091	7.8	21.8
3 22	12 49.74	− 7 34.6	2.125	3.104	4.1	21.6
4 1	12 41.78	− 6 41.6	2.118	3.117	0.7	21.3
4 11	12 33.92	− 5 46.8	2.141	3.130	3.6	21.6
4 21	12 26.92	− 4 55.6	2.192	3.142	7.2	21.8
5 1	12 21.39	− 4 12.4	2.270	3.154	10.4	22.0

33239 1998 GO_9 3 31.9 236.°40 5.°4/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.89	+12 14.9	2.756	3.557	10.6	19.0
3 2	13 0.40	+13 29.0	2.668	3.546	8.6	18.9
3 12	12 55.26	+14 44.2	2.604	3.535	6.6	18.7
3 22	12 48.87	+15 54.8	2.569	3.523	5.5	18.6
4 1	12 41.79	+16 54.8	2.562	3.511	6.0	18.6
4 11	12 34.69	+17 39.5	2.583	3.498	7.8	18.7
4 21	12 28.22	+18 6.0	2.629	3.485	10.0	18.9
5 1	12 22.94	+18 13.4	2.699	3.472	12.1	19.0

64322 2001 UO_{41} 3 31.9 39.°62 0.°4/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.44	− 8 5.1	1.258	2.068	20.3	19.1
3 2	13 2.60	− 7 26.8	1.189	2.076	16.2	18.8
3 12	12 57.70	− 6 25.4	1.138	2.084	11.3	18.6
3 22	12 50.37	− 5 6.1	1.109	2.094	5.7	18.3
4 1	12 41.77	− 3 37.6	1.104	2.103	0.4	17.9
4 11	12 33.35	− 2 11.4	1.125	2.113	6.0	18.4
4 21	12 26.40	− 0 58.0	1.169	2.124	11.4	18.7
5 1	12 21.88	− 0 5.0	1.235	2.135	16.0	19.0

435268 2007 TM_{230} 3 31.9 224.°18 3.°5/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.17	+ 4 42.7	2.301	3.096	12.6	21.6
3 2	13 3.25	+ 5 18.4	2.212	3.093	10.0	21.4
3 12	12 57.36	+ 5 58.7	2.146	3.090	7.0	21.2
3 22	12 49.97	+ 6 38.8	2.108	3.086	4.2	21.0
4 1	12 41.78	+ 7 13.7	2.097	3.082	3.8	21.0
4 11	12 33.62	+ 7 38.3	2.116	3.079	6.2	21.2
4 21	12 26.27	+ 7 49.5	2.161	3.075	9.3	21.3
5 1	12 20.38	+ 7 45.5	2.231	3.071	12.2	21.5

297881 2002 CM_{151} 3 31.9 124.°64 2.°5/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 11.00	− 1 16.7	1.830	2.619	15.7	22.0
3 2	13 6.60	− 0 24.7	1.758	2.636	12.3	21.8
3 12	12 59.80	+ 0 38.6	1.709	2.653	8.3	21.6
3 22	12 51.22	+ 1 47.3	1.685	2.669	4.3	21.3
4 1	12 41.78	+ 2 54.3	1.690	2.684	2.8	21.3
4 11	12 32.54	+ 3 52.2	1.724	2.699	6.1	21.5
4 21	12 24.47	+ 4 35.5	1.784	2.713	10.0	21.8
5 1	12 18.32	+ 5 1.1	1.868	2.726	13.5	22.0

402912 2007 TG_{80} 3 31.9 111.°94 1.°5/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 10.07	− 3 41.3	1.743	2.530	16.4	21.2
3 2	13 6.03	− 3 3.8	1.670	2.546	12.9	21.0
3 12	12 59.50	− 2 13.2	1.618	2.561	8.8	20.8
3 22	12 51.11	− 1 14.3	1.592	2.576	4.4	20.6
4 1	12 41.78	− 0 13.7	1.593	2.591	1.7	20.4
4 11	12 32.65	+ 0 41.3	1.623	2.605	5.6	20.7
4 21	12 24.72	+ 1 24.7	1.679	2.618	9.8	21.0
5 1	12 18.76	+ 1 52.3	1.758	2.631	13.4	21.2

438349 2006 RE_{113} 3 31.9 0.°55 0.°5/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.92	− 5 44.8	1.954	2.742	14.8	21.5
3 2	13 0.30	− 5 21.1	1.865	2.741	11.8	21.3
3 12	12 55.54	− 4 44.3	1.799	2.741	8.2	21.0
3 22	12 49.12	− 3 57.5	1.757	2.741	4.1	20.8
4 1	12 41.79	− 3 5.8	1.742	2.741	0.5	20.5
4 11	12 34.49	− 2 15.2	1.755	2.742	4.6	20.8
4 21	12 28.07	− 1 31.7	1.795	2.743	8.6	21.0
5 1	12 23.27	− 0 59.8	1.859	2.745	12.2	21.3

499905 2011 GG_{32} 3 31.9 291.°74 2.°7/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.36	+ 0 6.6	1.951	2.751	14.4	21.5
3 2	13 2.23	+ 0 47.7	1.862	2.746	11.4	21.2
3 12	12 56.89	+ 1 38.6	1.795	2.742	7.8	21.0
3 22	12 49.82	+ 2 34.3	1.753	2.737	4.2	20.8
4 1	12 41.79	+ 3 28.7	1.739	2.732	2.9	20.7
4 11	12 33.76	+ 4 15.0	1.753	2.728	6.1	20.9
4 21	12 26.64	+ 4 48.2	1.793	2.723	9.9	21.1
5 1	12 21.19	+ 5 4.9	1.857	2.719	13.3	21.3

374114 2004 SP_{50} 3 31.9 164.°39 0.°2/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.53	− 9 41.8	2.234	2.996	14.0	21.6
3 2	13 1.25	− 8 55.5	2.141	2.999	11.2	21.4
3 12	12 56.02	− 7 53.2	2.069	3.003	7.9	21.2
3 22	12 49.30	− 6 37.8	2.025	3.005	4.1	21.0
4 1	12 41.79	− 5 14.8	2.009	3.008	0.2	20.7
4 11	12 34.32	− 3 50.7	2.022	3.010	3.9	21.0
4 21	12 27.67	− 2 32.4	2.064	3.011	7.7	21.2
5 1	12 22.48	− 1 25.4	2.132	3.013	11.1	21.4

294399 2007 VD_{170} 3 31.9 254.°82 4.°1/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.59	+ 6 21.7	2.280	3.079	12.6	20.7
3 2	13 2.81	+ 7 2.8	2.192	3.075	10.0	20.5
3 12	12 57.08	+ 7 47.6	2.128	3.071	7.1	20.3
3 22	12 49.84	+ 8 31.1	2.091	3.066	4.6	20.1
4 1	12 41.80	+ 9 7.5	2.082	3.062	4.4	20.1
4 11	12 33.78	+ 9 32.1	2.101	3.058	6.8	20.2
4 21	12 26.58	+ 9 41.6	2.147	3.053	9.7	20.4
5 1	12 20.85	+ 9 34.6	2.216	3.048	12.5	20.6

64788 2001 XL_{201} 3 31.9 175.°65 3.°6/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 10.08	+ 1 53.3	1.974	2.767	14.5	19.7
3 2	13 5.86	+ 2 55.0	1.889	2.770	11.4	19.5
3 12	12 59.34	+ 4 5.8	1.828	2.772	7.9	19.3
3 22	12 51.04	+ 5 19.8	1.793	2.774	4.6	19.1
4 1	12 41.79	+ 6 29.5	1.787	2.775	3.9	19.0
4 11	12 32.61	+ 7 27.6	1.810	2.775	6.9	19.2
4 21	12 24.42	+ 8 9.0	1.859	2.774	10.5	19.4
5 1	12 18.01	+ 8 30.9	1.932	2.772	13.8	19.6

61062 2000 LF_2 3 31.9 129.°98 0.°5/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.60	− 6 37.7	1.660	2.443	17.2	19.4
3 2	13 5.91	− 6 3.9	1.581	2.454	13.7	19.2
3 12	12 59.58	− 5 13.5	1.523	2.464	9.5	19.0
3 22	12 51.22	− 4 10.5	1.489	2.473	4.8	18.7
4 1	12 41.80	− 3 1.5	1.483	2.482	0.6	18.4
4 11	12 32.51	− 1 54.6	1.504	2.491	5.3	18.8
4 21	12 24.44	− 0 57.3	1.552	2.499	9.8	19.1
5 1	12 18.44	− 0 15.1	1.624	2.506	13.8	19.3

193925 2001 QC_{330} 3 31.9 133.°11 1.°8/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 13.21	− 2 21.7	1.804	2.587	16.1	21.0
3 2	13 8.44	− 1 49.9	1.728	2.602	12.7	20.8
3 12	13 1.15	− 1 6.8	1.674	2.616	8.7	20.6
3 22	12 51.95	− 0 17.0	1.646	2.630	4.4	20.4
4 1	12 41.81	+ 0 33.4	1.646	2.643	1.9	20.2
4 11	12 31.85	+ 1 17.8	1.675	2.655	5.6	20.5
4 21	12 23.11	+ 1 50.7	1.730	2.666	9.8	20.8
5 1	12 16.37	+ 2 8.8	1.810	2.677	13.4	21.0

85706 1998 SB_{27} 3 31.9 210.°12 0.°4/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 10.95	− 6 16.4	1.844	2.618	16.1	20.7
3 2	13 6.93	− 5 51.6	1.745	2.612	12.9	20.5
3 12	13 0.35	− 5 11.7	1.667	2.605	9.0	20.2
3 22	12 51.69	− 4 19.7	1.614	2.597	4.6	19.9
4 1	12 41.81	− 3 20.9	1.589	2.588	0.5	19.6
4 11	12 31.84	− 2 22.3	1.593	2.579	5.0	19.9
4 21	12 22.86	− 1 30.6	1.624	2.569	9.6	20.1
5 1	12 15.81	− 0 51.8	1.679	2.558	13.7	20.4

503095 2015 FN_{301} 3 31.9 359.°99 5.°0/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.92	+ 8 4.2	2.183	2.990	12.8	21.2
3 2	13 1.57	+ 9 1.2	2.103	2.990	10.1	21.0
3 12	12 56.25	+10 1.4	2.048	2.990	7.3	20.9
3 22	12 49.43	+10 58.6	2.019	2.990	5.2	20.7
4 1	12 41.84	+11 46.4	2.017	2.990	5.4	20.7
4 11	12 34.31	+12 19.3	2.044	2.990	7.6	20.9
4 21	12 27.63	+12 34.3	2.095	2.990	10.5	21.1
5 1	12 22.46	+12 30.2	2.170	2.990	13.2	21.2

459028 2011 YM_{43} 3 31.9 50.°08 4.°7/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.73	−16 50.0	1.526	2.280	19.7	21.0
3 2	13 4.93	−17 16.6	1.444	2.286	16.5	20.8
3 12	12 59.22	−17 20.5	1.380	2.293	12.7	20.5
3 22	12 51.18	−17 0.5	1.337	2.299	8.5	20.3
4 1	12 41.82	−16 18.3	1.318	2.306	5.1	20.1
4 11	12 32.49	−15 20.0	1.326	2.313	5.7	20.2
4 21	12 24.44	−14 14.1	1.359	2.320	9.5	20.4
5 1	12 18.67	−13 10.0	1.415	2.327	13.5	20.7

252935 2002 PG_{10} 3 31.9 182.°87 1.°4/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.33	−11 21.3	2.089	2.840	15.1	21.5
3 2	13 4.48	−11 4.2	1.992	2.841	12.3	21.3
3 12	12 58.42	−10 30.6	1.916	2.842	8.9	21.1
3 22	12 50.61	− 9 42.3	1.865	2.841	5.0	20.8
4 1	12 41.83	− 8 43.1	1.843	2.840	1.5	20.6
4 11	12 33.05	− 7 38.8	1.849	2.839	4.0	20.8
4 21	12 25.16	− 6 36.0	1.884	2.837	7.9	21.0
5 1	12 18.93	− 5 40.8	1.944	2.834	11.6	21.2

120576 1995 QK_2 3 31.9 258.°94 3.°6/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 11.20	−14 49.7	2.240	2.965	15.0	20.1
3 2	13 6.93	−15 21.3	2.119	2.945	12.6	19.9
3 12	13 0.31	−15 39.1	2.019	2.925	9.6	19.7
3 22	12 51.71	−15 42.1	1.943	2.904	6.4	19.4
4 1	12 41.83	−15 30.6	1.895	2.883	3.8	19.2
4 11	12 31.64	−15 7.0	1.876	2.861	4.6	19.3
4 21	12 22.15	−14 36.0	1.886	2.838	7.9	19.4
5 1	12 14.26	−14 3.0	1.921	2.815	11.4	19.6

296922 2010 CK_{117} 3 31.9 281.°52 5.°3/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.83	+ 8 48.0	2.205	3.013	12.7	20.3
3 2	13 1.56	+ 9 49.8	2.120	3.006	10.1	20.1
3 12	12 56.29	+10 54.8	2.058	2.998	7.4	19.9
3 22	12 49.49	+11 56.8	2.022	2.990	5.5	19.8
4 1	12 41.84	+12 49.0	2.014	2.983	5.7	19.8
4 11	12 34.21	+13 25.6	2.033	2.975	8.0	19.9
4 21	12 27.39	+13 43.4	2.078	2.967	10.8	20.0
5 1	12 22.06	+13 40.9	2.145	2.960	13.5	20.2

28984 2001 MS_2 3 31.9 139.°90 5.°0/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.86	+ 9 15.5	2.423	3.224	11.9	19.1
3 2	13 2.04	+10 18.4	2.349	3.231	9.4	18.9
3 12	12 56.42	+11 23.2	2.300	3.237	6.9	18.8
3 22	12 49.47	+12 24.0	2.277	3.243	5.1	18.7
4 1	12 41.85	+13 15.0	2.283	3.249	5.4	18.7
4 11	12 34.32	+13 51.2	2.318	3.255	7.4	18.8
4 21	12 27.60	+14 9.9	2.378	3.260	9.9	19.0
5 1	12 22.27	+14 10.2	2.462	3.265	12.3	19.2

502567 2015 BW_{496} 3 31.9 163.°34 0.°3/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.72	− 7 33.7	2.042	2.813	14.8	22.1
3 2	13 3.22	− 7 18.6	1.950	2.814	11.9	21.9
3 12	12 57.53	− 6 50.0	1.880	2.816	8.3	21.7
3 22	12 50.15	− 6 10.2	1.835	2.817	4.4	21.5
4 1	12 41.84	− 5 23.5	1.818	2.818	0.3	21.1
4 11	12 33.55	− 4 35.6	1.830	2.819	4.2	21.4
4 21	12 26.15	− 3 51.9	1.869	2.819	8.2	21.7
5 1	12 20.40	− 3 17.6	1.933	2.820	11.8	21.9

341685 2007 VM_{110} 3 31.9 163.°46 1.°2/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.08	− 2 15.9	2.760	3.532	11.4	21.8
3 2	13 2.00	− 1 47.8	2.669	3.537	8.9	21.7
3 12	12 56.30	− 1 12.0	2.602	3.541	6.1	21.5
3 22	12 49.39	− 0 31.6	2.562	3.545	3.1	21.3
4 1	12 41.85	+ 0 9.5	2.552	3.549	1.3	21.2
4 11	12 34.35	+ 0 47.3	2.572	3.552	4.0	21.4
4 21	12 27.53	+ 1 18.1	2.622	3.555	7.0	21.6
5 1	12 21.90	+ 1 39.3	2.697	3.557	9.7	21.7

17357 Lucataliano 3 31.9 210.°48 5.°9/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.84	+11 31.4	2.436	3.237	11.9	19.1
3 2	13 2.95	+12 54.8	2.351	3.230	9.5	18.9
3 12	12 57.16	+14 20.3	2.291	3.222	7.3	18.8
3 22	12 49.90	+15 41.0	2.258	3.214	6.0	18.7
4 1	12 41.85	+16 50.0	2.254	3.205	6.5	18.7
4 11	12 33.79	+17 41.3	2.277	3.196	8.5	18.8
4 21	12 26.49	+18 11.8	2.327	3.185	11.0	18.9
5 1	12 20.59	+18 20.5	2.399	3.175	13.4	19.1

27191 1999 CO_{54} 3 31.9 184.°35 2.°7/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.90	+ 1 13.6	2.520	3.311	11.8	18.6
3 2	13 0.50	+ 2 11.8	2.431	3.311	9.2	18.4
3 12	12 55.38	+ 3 17.7	2.366	3.311	6.3	18.3
3 22	12 48.96	+ 4 26.6	2.329	3.310	3.6	18.1
4 1	12 41.86	+ 5 32.8	2.321	3.309	3.0	18.0
4 11	12 34.79	+ 6 31.0	2.342	3.308	5.5	18.2
4 21	12 28.41	+ 7 16.7	2.391	3.307	8.5	18.4
5 1	12 23.30	+ 7 47.3	2.465	3.305	11.2	18.5

415552 2014 QK_{196} 3 31.9 103.°95 4.°2/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.77	−16 44.3	1.613	2.361	19.1	21.4
3 2	13 5.57	−17 0.0	1.529	2.369	15.9	21.2
3 12	12 59.57	−16 53.1	1.463	2.376	12.1	20.9
3 22	12 51.33	−16 23.1	1.420	2.383	8.0	20.7
4 1	12 41.85	−15 32.3	1.401	2.390	4.6	20.5
4 11	12 32.40	−14 26.9	1.409	2.397	5.4	20.6
4 21	12 24.20	−13 15.5	1.444	2.403	9.2	20.8
5 1	12 18.18	−12 7.3	1.502	2.410	13.2	21.1

36139 1999 RY_{167} 3 31.9 284.°81 2.°6/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.80	− 0 10.9	2.355	3.150	12.4	19.0
3 2	12 59.08	+ 0 49.9	2.254	3.137	9.7	18.8
3 12	12 54.55	+ 2 0.8	2.178	3.124	6.7	18.6
3 22	12 48.61	+ 3 17.0	2.128	3.111	3.6	18.3
4 1	12 41.87	+ 4 32.5	2.108	3.098	2.9	18.3
4 11	12 35.07	+ 5 40.8	2.116	3.086	5.7	18.4
4 21	12 28.95	+ 6 36.6	2.151	3.073	8.9	18.6
5 1	12 24.15	+ 7 16.3	2.211	3.060	12.0	18.8

261370 2005 UR_{342} 3 31.9 145.°19 1.°2/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.77	−10 21.1	2.067	2.825	15.1	21.5
3 2	13 4.00	−10 9.3	1.977	2.831	12.2	21.3
3 12	12 58.05	− 9 42.2	1.909	2.837	8.7	21.1
3 22	12 50.41	− 9 1.8	1.865	2.842	4.8	20.8
4 1	12 41.87	− 8 11.8	1.850	2.848	1.3	20.6
4 11	12 33.36	− 7 17.8	1.863	2.853	3.9	20.8
4 21	12 25.79	− 6 25.7	1.904	2.857	7.8	21.0
5 1	12 19.87	− 5 41.2	1.971	2.861	11.4	21.3

17815 Kulawik 3 31.9 82.°23 4.°3/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.76	−16 38.1	1.587	2.337	19.3	18.5
3 2	13 5.57	−16 56.4	1.507	2.347	16.0	18.3
3 12	12 59.56	−16 52.2	1.445	2.357	12.2	18.1
3 22	12 51.32	−16 25.0	1.404	2.368	8.0	17.9
4 1	12 41.86	−15 36.9	1.389	2.378	4.6	17.7
4 11	12 32.48	−14 34.4	1.401	2.388	5.4	17.8
4 21	12 24.38	−13 26.0	1.438	2.398	9.2	18.0
5 1	12 18.49	−12 20.7	1.499	2.408	13.1	18.3

219671 2001 VS_{50} 3 31.9 141.°01 2.°4/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 9.29	−13 51.0	2.232	2.966	14.8	21.0
3 2	13 5.03	−13 52.3	2.142	2.977	12.1	20.9
3 12	12 58.67	−13 37.9	2.073	2.987	9.0	20.7
3 22	12 50.70	−13 8.5	2.029	2.997	5.5	20.5
4 1	12 41.87	−12 26.8	2.013	3.006	2.6	20.3
4 11	12 33.10	−11 37.3	2.026	3.014	3.9	20.4
4 21	12 25.23	−10 45.7	2.068	3.022	7.2	20.6
5 1	12 18.96	− 9 57.6	2.136	3.030	10.5	20.8

244151 2001 WZ_{44} 3 31.9 69.°79 8.°8/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.47	+21 50.4	2.247	3.047	12.7	19.8
3 2	13 3.54	+23 9.2	2.190	3.053	10.8	19.7
3 12	12 57.56	+24 20.8	2.157	3.058	9.3	19.6
3 22	12 50.08	+25 17.6	2.148	3.064	8.8	19.6
4 1	12 41.88	+25 53.0	2.166	3.069	9.5	19.6
4 11	12 33.86	+26 3.3	2.208	3.075	11.1	19.7
4 21	12 26.82	+25 47.8	2.272	3.081	13.0	19.9
5 1	12 21.40	+25 8.5	2.357	3.086	14.8	20.0

112968 2002 RH_{19} 3 31.9 72.°44 1.°6/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.53	− 2 25.7	2.081	2.869	14.0	19.8
3 2	13 2.14	− 1 54.6	1.998	2.875	11.0	19.6
3 12	12 56.70	− 1 13.4	1.937	2.881	7.5	19.4
3 22	12 49.70	− 0 26.0	1.902	2.887	3.8	19.2
4 1	12 41.88	+ 0 22.4	1.896	2.893	1.7	19.0
4 11	12 34.14	+ 1 5.9	1.918	2.899	5.0	19.2
4 21	12 27.29	+ 1 39.8	1.967	2.905	8.7	19.5
5 1	12 22.01	+ 2 0.7	2.040	2.911	12.0	19.7

184605 2005 QF_{177} 3 31.9 245.°31 1.°5/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.90	−11 38.9	2.501	3.248	13.0	21.0
3 2	13 0.63	−11 29.8	2.398	3.244	10.6	20.8
3 12	12 55.57	−11 7.1	2.317	3.240	7.7	20.6
3 22	12 49.12	−10 32.2	2.262	3.236	4.5	20.4
4 1	12 41.89	− 9 47.9	2.236	3.232	1.6	20.2
4 11	12 34.63	− 8 58.6	2.238	3.228	3.4	20.3
4 21	12 28.05	− 8 9.1	2.269	3.223	6.7	20.5
5 1	12 22.77	− 7 24.3	2.326	3.219	9.8	20.7

106406 2000 VM_{29} 3 31.9 37.°82 0.°1/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.77	− 9 2.6	1.194	2.006	21.0	18.9
3 2	13 2.12	− 8 27.4	1.135	2.023	16.7	18.7
3 12	12 57.35	− 7 28.3	1.094	2.040	11.7	18.5
3 22	12 50.20	− 6 10.5	1.074	2.058	6.0	18.2
4 1	12 41.88	− 4 43.0	1.078	2.077	0.1	17.8
4 11	12 33.87	− 3 17.7	1.107	2.097	5.8	18.3
4 21	12 27.42	− 2 4.9	1.159	2.117	11.1	18.6
5 1	12 23.43	− 1 12.0	1.233	2.138	15.7	19.0

17441 1989 UE 3 31.9 142.°18 1.°5/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 11.18	− 3 8.1	2.002	2.780	14.9	19.1
3 2	13 6.62	− 2 31.9	1.922	2.793	11.7	18.9
3 12	12 59.80	− 1 44.5	1.864	2.805	8.0	18.7
3 22	12 51.28	− 0 50.1	1.833	2.816	4.0	18.4
4 1	12 41.88	+ 0 5.8	1.830	2.827	1.6	18.3
4 11	12 32.62	+ 0 56.6	1.856	2.837	5.2	18.5
4 21	12 24.41	+ 1 37.1	1.910	2.846	9.0	18.8
5 1	12 17.96	+ 2 3.7	1.989	2.854	12.5	19.0

491669 2012 TA_{310} 3 31.9 171.°33 0.°6/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.58	− 7 51.6	2.572	3.326	12.6	22.0
3 2	13 3.39	− 7 48.2	2.475	3.328	10.1	21.8
3 12	12 57.39	− 7 34.4	2.400	3.330	7.1	21.6
3 22	12 50.02	− 7 11.9	2.353	3.331	3.8	21.4
4 1	12 41.89	− 6 43.3	2.334	3.333	0.7	21.2
4 11	12 33.77	− 6 12.6	2.345	3.334	3.4	21.4
4 21	12 26.37	− 5 43.7	2.386	3.334	6.7	21.6
5 1	12 20.29	− 5 20.3	2.453	3.335	9.8	21.8

365847 2011 UU_{92} 3 31.9 63.°63 1.°3/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.39	−11 15.6	1.411	2.198	19.6	21.3
3 2	13 3.87	−10 53.0	1.338	2.209	15.8	21.1
3 12	12 58.44	−10 7.4	1.284	2.220	11.3	20.9
3 22	12 50.76	− 9 1.8	1.252	2.232	6.2	20.6
4 1	12 41.89	− 7 42.6	1.245	2.244	1.4	20.3
4 11	12 33.19	− 6 19.5	1.265	2.256	5.1	20.6
4 21	12 25.87	− 5 2.6	1.309	2.268	10.1	20.9
5 1	12 20.83	− 4 0.1	1.376	2.280	14.5	21.2

425254 2009 WY_{72} 3 31.9 82.°82 0.°2/31.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.50	− 7 8.2	1.921	2.699	15.4	22.1
3 2	13 3.02	− 6 35.9	1.847	2.716	12.2	21.9
3 12	12 57.34	− 5 49.2	1.794	2.733	8.5	21.7
3 22	12 50.02	− 4 51.7	1.766	2.749	4.3	21.5
4 1	12 41.90	− 3 48.9	1.767	2.766	0.3	21.2
4 11	12 33.95	− 2 47.5	1.795	2.782	4.4	21.6
4 21	12 27.02	− 1 53.8	1.851	2.798	8.4	21.9
5 1	12 21.82	− 1 12.5	1.932	2.814	12.0	22.1

90776 1993 VW_{2} 3 31.9 90.°50 3.°3/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 12.80	+ 1 4.6	1.587	2.388	17.2	19.6
3 2	13 8.31	+ 1 45.9	1.526	2.410	13.4	19.4
3 12	13 1.13	+ 2 36.4	1.487	2.432	9.2	19.2
3 22	12 51.97	+ 3 29.7	1.471	2.454	4.9	19.0
4 1	12 41.90	+ 4 18.2	1.483	2.476	3.6	19.0
4 11	12 32.17	+ 4 54.9	1.523	2.497	7.0	19.2
4 21	12 23.85	+ 5 15.4	1.588	2.517	11.0	19.5
5 1	12 17.73	+ 5 17.5	1.676	2.537	14.6	19.8

157899 1999 TU_{106} 3 31.9 167.°57 2.°1/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.97	−14 31.1	2.451	3.183	13.7	20.4
3 2	13 2.27	−14 13.4	2.353	3.187	11.2	20.3
3 12	12 56.70	−13 39.6	2.276	3.190	8.3	20.1
3 22	12 49.69	−12 50.9	2.225	3.193	5.0	19.9
4 1	12 41.91	−11 50.3	2.202	3.196	2.3	19.7
4 11	12 34.15	−10 42.9	2.209	3.198	3.5	19.8
4 21	12 27.15	− 9 34.5	2.245	3.199	6.7	20.0
5 1	12 21.54	− 8 30.7	2.307	3.200	9.9	20.2

456836 2007 TX_{445} 3 31.9 165.°58 4.°1/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.76	−19 15.2	1.974	2.692	16.9	21.9
3 2	13 5.07	−19 13.3	1.879	2.697	14.3	21.7
3 12	12 58.97	−18 49.3	1.803	2.701	11.0	21.5
3 22	12 50.97	−18 2.8	1.750	2.705	7.5	21.3
4 1	12 41.91	−16 56.2	1.724	2.708	4.5	21.1
4 11	12 32.86	−15 35.1	1.726	2.710	4.9	21.2
4 21	12 24.82	−14 7.6	1.755	2.712	8.1	21.4
5 1	12 18.62	−12 42.3	1.811	2.713	11.6	21.6

216491 1999 XT_{14} 3 31.9 59.°08 13.°2/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.24	−36 41.7	1.180	1.860	28.0	20.0
3 2	13 3.59	−37 30.3	1.110	1.871	25.5	19.8
3 12	12 59.09	−37 33.8	1.050	1.882	22.3	19.6
3 22	12 51.38	−36 43.5	1.004	1.894	18.7	19.4
4 1	12 41.90	−34 55.0	0.975	1.906	15.4	19.2
4 11	12 32.61	−32 14.1	0.967	1.918	13.3	19.1
4 21	12 25.25	−28 57.0	0.981	1.930	13.7	19.2
5 1	12 21.05	−25 26.6	1.017	1.943	16.3	19.4

86931 2000 HV_{65} 3 31.9 250.°92 4.°4/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 10.58	+ 3 12.6	1.687	2.492	16.1	19.6
3 2	13 6.97	+ 4 2.4	1.590	2.477	12.8	19.3
3 12	13 0.60	+ 5 2.0	1.515	2.461	9.0	19.1
3 22	12 51.95	+ 6 4.9	1.464	2.444	5.4	18.8
4 1	12 41.91	+ 7 3.0	1.440	2.427	4.7	18.7
4 11	12 31.71	+ 7 47.8	1.443	2.410	8.1	18.9
4 21	12 22.56	+ 8 13.5	1.472	2.392	12.4	19.1
5 1	12 15.46	+ 8 16.9	1.522	2.373	16.3	19.3

407716 2011 UK_{269} 3 31.9 120.°44 3.°4/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 14.34	+ 2 32.4	1.656	2.453	16.7	21.6
3 2	13 9.60	+ 2 58.0	1.583	2.464	13.2	21.4
3 12	13 2.12	+ 3 30.8	1.531	2.475	9.1	21.2
3 22	12 52.55	+ 4 5.1	1.504	2.486	5.0	21.0
4 1	12 41.92	+ 4 34.4	1.504	2.496	3.6	20.9
4 11	12 31.49	+ 4 52.7	1.532	2.505	7.0	21.1
4 21	12 22.40	+ 4 56.2	1.586	2.515	11.0	21.4
5 1	12 15.49	+ 4 43.1	1.663	2.524	14.7	21.6

160698 2000 NJ_{26} 3 31.9 209.°53 0.°9/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.56	−10 54.4	1.991	2.748	15.6	20.7
3 2	13 4.89	−10 25.0	1.888	2.741	12.7	20.5
3 12	12 58.86	− 9 37.3	1.806	2.734	9.1	20.3
3 22	12 50.95	− 8 33.5	1.748	2.727	5.0	20.0
4 1	12 41.93	− 7 18.1	1.719	2.718	1.0	19.7
4 11	12 32.83	− 5 58.1	1.719	2.709	4.3	19.9
4 21	12 24.63	− 4 41.1	1.747	2.698	8.6	20.2
5 1	12 18.17	− 3 34.3	1.801	2.688	12.5	20.4

390473 2013 YM_{125} 3 31.9 132.°92 3.°0/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.94	−15 14.0	2.432	3.159	13.9	21.7
3 2	13 3.08	−15 27.3	2.336	3.164	11.5	21.6
3 12	12 57.30	−15 26.0	2.262	3.169	8.7	21.4
3 22	12 50.03	−15 10.4	2.212	3.174	5.6	21.2
4 1	12 41.94	−14 42.0	2.190	3.179	3.2	21.0
4 11	12 33.85	−14 4.5	2.197	3.183	3.9	21.1
4 21	12 26.53	−13 22.6	2.233	3.187	6.7	21.3
5 1	12 20.64	−12 41.4	2.294	3.192	9.7	21.5

39096 2000 WE_1 3 31.9 173.°95 3.°1/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.50	+ 4 29.5	2.864	3.645	10.8	20.7
3 2	13 3.83	+ 5 19.5	2.776	3.649	8.5	20.5
3 12	12 57.55	+ 6 13.8	2.713	3.652	5.9	20.3
3 22	12 50.06	+ 7 8.2	2.679	3.655	3.7	20.2
4 1	12 41.94	+ 7 57.9	2.675	3.657	3.4	20.2
4 11	12 33.88	+ 8 38.6	2.701	3.658	5.5	20.3
4 21	12 26.49	+ 9 7.2	2.757	3.658	8.0	20.5
5 1	12 20.31	+ 9 22.0	2.837	3.657	10.4	20.6

296610 2009 SV_{12} 3 31.9 80.°48 2.°9/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 13.44	−11 48.6	1.838	2.587	17.0	21.0
3 2	13 8.76	−12 24.9	1.758	2.602	13.9	20.8
3 12	13 1.51	−12 46.4	1.698	2.617	10.3	20.6
3 22	12 52.25	−12 53.1	1.663	2.632	6.3	20.4
4 1	12 41.94	−12 46.3	1.654	2.647	3.1	20.2
4 11	12 31.73	−12 29.9	1.674	2.662	4.6	20.3
4 21	12 22.69	−12 9.1	1.722	2.677	8.3	20.6
5 1	12 15.68	−11 49.3	1.794	2.692	12.0	20.8

506011 2015 HM_{51} 3 31.9 259.°60 4.°4/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.22	+ 6 21.3	2.310	3.114	12.3	21.7
3 2	13 1.00	+ 7 23.8	2.220	3.106	9.7	21.5
3 12	12 55.89	+ 8 31.3	2.155	3.098	7.0	21.3
3 22	12 49.33	+ 9 38.1	2.116	3.089	4.8	21.2
4 1	12 41.95	+10 37.8	2.105	3.081	4.9	21.2
4 11	12 34.57	+11 24.5	2.123	3.072	7.2	21.3
4 21	12 27.94	+11 54.2	2.166	3.064	10.1	21.5
5 1	12 22.70	+12 5.2	2.233	3.055	12.8	21.6

370107 2001 TW_{161} 3 31.9 254.°65 1.°2/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.95	−10 42.3	2.057	2.815	15.1	22.2
3 2	13 3.65	−10 25.1	1.943	2.798	12.4	21.9
3 12	12 58.06	− 9 51.2	1.851	2.779	8.9	21.7
3 22	12 50.58	− 9 1.9	1.783	2.761	5.0	21.4
4 1	12 41.95	− 8 0.7	1.744	2.742	1.3	21.1
4 11	12 33.12	− 6 53.8	1.732	2.722	4.2	21.2
4 21	12 25.07	− 5 48.0	1.749	2.702	8.4	21.5
5 1	12 18.66	− 4 49.9	1.791	2.681	12.4	21.6

386162 2007 TM_{399} 3 31.9 143.°53 2.°0/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.39	−13 59.3	2.630	3.361	12.9	21.8
3 2	13 1.65	−13 49.2	2.536	3.369	10.5	21.6
3 12	12 56.18	−13 24.8	2.463	3.376	7.8	21.5
3 22	12 49.42	−12 47.5	2.416	3.384	4.7	21.3
4 1	12 41.96	−11 59.8	2.397	3.391	2.2	21.1
4 11	12 34.55	−11 5.9	2.409	3.397	3.3	21.2
4 21	12 27.84	−10 10.7	2.449	3.404	6.2	21.4
5 1	12 22.42	− 9 19.0	2.517	3.410	9.1	21.6

475590 2006 UG_{46} 3 31.9 245.°15 4.°2/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.65	−23 3.6	2.589	3.276	14.0	21.9
3 2	12 59.74	−22 46.6	2.475	3.268	12.0	21.8
3 12	12 55.02	−22 9.2	2.382	3.260	9.6	21.6
3 22	12 48.89	−21 11.0	2.312	3.252	6.9	21.4
4 1	12 41.97	−19 53.9	2.270	3.244	4.7	21.2
4 11	12 35.01	−18 22.2	2.256	3.236	4.5	21.2
4 21	12 28.74	−16 42.5	2.272	3.227	6.6	21.3
5 1	12 23.79	−15 2.0	2.315	3.219	9.4	21.5

457593 2009 AH_{45} 3 31.9 92.°73 4.°0/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 11.82	−15 41.4	1.595	2.343	19.3	22.0
3 2	13 7.91	−16 3.5	1.520	2.360	16.0	21.8
3 12	13 1.13	−16 4.3	1.463	2.377	12.0	21.6
3 22	12 52.13	−15 43.4	1.429	2.393	7.8	21.4
4 1	12 41.96	−15 3.1	1.420	2.409	4.3	21.3
4 11	12 31.95	−14 9.5	1.438	2.425	5.3	21.3
4 21	12 23.29	−13 10.6	1.482	2.441	9.1	21.6
5 1	12 16.91	−12 14.9	1.550	2.456	13.0	21.9

462215 2007 VS_{252} 3 31.9 181.°93 2.°1/29.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 10.11	− 1 26.2	2.175	2.954	13.8	22.8
3 2	13 5.73	− 0 39.4	2.084	2.956	10.9	22.6
3 12	12 59.20	+ 0 17.8	2.015	2.957	7.5	22.4
3 22	12 51.03	+ 1 20.9	1.973	2.956	3.9	22.2
4 1	12 41.97	+ 2 24.0	1.961	2.955	2.3	22.1
4 11	12 32.92	+ 3 20.6	1.978	2.953	5.5	22.3
4 21	12 24.77	+ 4 5.6	2.023	2.951	9.1	22.5
5 1	12 18.21	+ 4 35.6	2.094	2.947	12.4	22.7

377413 2004 TU_{104} 3 31.9 106.°40 1.°1/ 2.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.52	−10 34.1	2.163	2.917	14.6	22.4
3 2	13 3.62	−10 17.0	2.082	2.934	11.8	22.2
3 12	12 57.67	− 9 45.0	2.023	2.950	8.4	22.1
3 22	12 50.20	− 9 0.3	1.989	2.966	4.6	21.9
4 1	12 41.97	− 8 7.1	1.984	2.982	1.2	21.6
4 11	12 33.87	− 7 10.7	2.008	2.997	3.7	21.8
4 21	12 26.69	− 6 17.0	2.060	3.012	7.4	22.1
5 1	12 21.10	− 5 30.9	2.138	3.027	10.7	22.3

504435 2008 AM_{116} 3 31.9 122.°63 4.°6/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.81	+ 8 30.5	2.525	3.326	11.5	21.7
3 2	13 1.16	+ 9 30.8	2.451	3.333	9.1	21.6
3 12	12 55.81	+10 33.3	2.402	3.341	6.6	21.4
3 22	12 49.21	+11 32.5	2.380	3.348	4.8	21.3
4 1	12 41.98	+12 22.9	2.386	3.355	5.0	21.3
4 11	12 34.84	+12 59.8	2.421	3.362	6.9	21.5
4 21	12 28.45	+13 20.5	2.483	3.369	9.4	21.6
5 1	12 23.37	+13 23.9	2.567	3.375	11.7	21.8

461494 2002 WN_8 3 31.9 147.°39 5.°0/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 11.22	+ 7 47.5	2.084	2.881	13.7	21.5
3 2	13 6.57	+ 8 40.8	2.010	2.890	10.9	21.3
3 12	12 59.73	+ 9 37.0	1.960	2.899	7.8	21.1
3 22	12 51.26	+10 29.9	1.935	2.907	5.4	21.0
4 1	12 41.97	+11 12.8	1.940	2.914	5.3	21.0
4 11	12 32.83	+11 40.4	1.972	2.921	7.7	21.2
4 21	12 24.71	+11 49.8	2.031	2.927	10.7	21.3
5 1	12 18.31	+11 40.2	2.113	2.933	13.5	21.5

86367 1999 XY_{223} 3 31.9 149.°00 1.°9/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.46	+ 1 16.9	3.368	4.145	9.4	20.8
3 2	12 59.63	+ 1 56.0	3.282	4.155	7.3	20.7
3 12	12 54.52	+ 2 39.8	3.222	4.164	5.0	20.6
3 22	12 48.49	+ 3 25.3	3.191	4.172	2.7	20.4
4 1	12 41.98	+ 4 8.9	3.190	4.180	2.1	20.4
4 11	12 35.53	+ 4 47.2	3.219	4.188	4.0	20.5
4 21	12 29.62	+ 5 17.5	3.277	4.195	6.3	20.7
5 1	12 24.66	+ 5 37.8	3.362	4.202	8.5	20.8

338402 2003 BH_6 3 31.9 72.°00 6.°8/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.31	+12 54.7	2.173	2.985	12.7	20.1
3 2	13 1.01	+14 34.3	2.121	3.005	10.2	20.0
3 12	12 55.80	+16 12.9	2.094	3.024	7.9	19.9
3 22	12 49.21	+17 42.7	2.094	3.044	6.8	19.8
4 1	12 41.98	+18 56.0	2.121	3.063	7.5	19.9
4 11	12 34.94	+19 47.6	2.174	3.083	9.4	20.1
4 21	12 28.83	+20 15.3	2.252	3.102	11.7	20.2
5 1	12 24.23	+20 19.3	2.351	3.121	13.8	20.4

186882 2004 JA_{16} 3 31.9 304.°16 1.°7/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.61	−12 25.2	1.649	2.426	17.6	20.0
3 2	13 0.80	−12 5.1	1.545	2.409	14.5	19.8
3 12	12 56.40	−11 22.7	1.460	2.392	10.6	19.5
3 22	12 49.86	−10 19.1	1.398	2.375	6.1	19.2
4 1	12 41.98	− 8 58.7	1.361	2.358	1.9	18.9
4 11	12 33.90	− 7 29.5	1.351	2.342	4.7	19.0
4 21	12 26.78	− 6 1.2	1.366	2.326	9.6	19.2
5 1	12 21.61	− 4 43.3	1.406	2.310	14.1	19.5

17836 Canup 3 31.9 46.°37 1.°3/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 12.95	− 1 3.6	1.655	2.447	16.9	18.0
3 2	13 8.54	− 1 14.5	1.580	2.458	13.4	17.8
3 12	13 1.42	− 1 17.3	1.526	2.469	9.2	17.6
3 22	12 52.23	− 1 15.0	1.496	2.481	4.7	17.4
4 1	12 41.98	− 1 11.8	1.494	2.492	1.3	17.1
4 11	12 31.89	− 1 12.3	1.520	2.505	5.4	17.4
4 21	12 23.10	− 1 20.0	1.571	2.517	9.8	17.7
5 1	12 16.45	− 1 37.5	1.647	2.530	13.7	18.0

227427 2005 VX_{78} 3 31.9 234.°24 11.°1/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.65	−41 29.7	2.344	2.891	18.2	20.5
3 2	13 5.42	−42 15.4	2.232	2.881	17.0	20.3
3 12	12 59.52	−42 34.7	2.132	2.871	15.4	20.2
3 22	12 51.41	−42 22.0	2.049	2.860	13.7	20.0
4 1	12 41.97	−41 33.5	1.987	2.849	12.2	19.9
4 11	12 32.39	−40 9.4	1.947	2.837	11.2	19.8
4 21	12 23.82	−38 14.5	1.932	2.825	11.3	19.8
5 1	12 17.27	−35 57.7	1.941	2.813	12.4	19.8

82157 2001 FM_{185} 3 31.9 291.°10 0.°1/30.5 08 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 44.97	− 1 4.6	37.102	37.872	0.9	22.8
3 2	12 44.33	− 0 59.7	37.002	37.870	0.7	22.8
3 12	12 43.61	− 0 54.5	36.928	37.869	0.5	22.7
3 22	12 42.83	− 0 49.0	36.883	37.867	0.2	22.7
4 1	12 42.02	− 0 43.5	36.868	37.865	0.1	22.7
4 11	12 41.20	− 0 38.2	36.883	37.864	0.3	22.7
4 21	12 40.42	− 0 33.3	36.927	37.862	0.6	22.7
5 1	12 39.70	− 0 28.9	36.999	37.860	0.8	22.8

334422 2002 EM_{144} 3 31.9 315.°84 0.°5/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.06	− 5 57.6	1.715	2.502	16.6	20.7
3 2	13 4.97	− 6 10.5	1.615	2.488	13.5	20.4
3 12	12 59.23	− 6 11.3	1.535	2.474	9.6	20.1
3 22	12 51.28	− 6 1.7	1.478	2.460	5.1	19.8
4 1	12 41.98	− 5 44.7	1.448	2.447	0.5	19.4
4 11	12 32.50	− 5 25.5	1.445	2.434	4.8	19.7
4 21	12 23.99	− 5 9.4	1.468	2.422	9.6	20.0
5 1	12 17.45	− 5 1.2	1.514	2.411	13.8	20.2

10567 Francobressan 3 31.9 126.°13 0.°3/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.81	− 7 10.3	2.123	2.891	14.4	19.1
3 2	13 3.87	− 6 34.8	2.042	2.905	11.5	18.9
3 12	12 57.87	− 5 45.6	1.983	2.919	7.9	18.7
3 22	12 50.32	− 4 46.1	1.950	2.932	4.0	18.5
4 1	12 41.99	− 3 41.6	1.946	2.945	0.3	18.2
4 11	12 33.78	− 2 38.2	1.971	2.957	4.2	18.5
4 21	12 26.51	− 1 41.8	2.024	2.969	8.0	18.8
5 1	12 20.84	− 0 57.1	2.103	2.980	11.4	19.0

105386 2000 QC_{138} 3 31.9 108.°61 1.°2/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 11.72	− 4 7.7	1.709	2.494	16.8	20.0
3 2	13 7.41	− 3 39.1	1.638	2.512	13.2	19.8
3 12	13 0.54	− 2 57.3	1.588	2.529	9.1	19.6
3 22	12 51.74	− 2 6.7	1.562	2.546	4.5	19.4
4 1	12 41.99	− 1 13.6	1.564	2.563	1.3	19.2
4 11	12 32.46	− 0 25.0	1.595	2.579	5.4	19.5
4 21	12 24.19	+ 0 13.3	1.652	2.594	9.7	19.8
5 1	12 17.97	+ 0 37.1	1.733	2.609	13.4	20.1

176698 2002 QG_{21} 3 31.9 170.°04 1.°4/30.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.18	− 3 56.7	2.170	2.946	13.9	21.5
3 2	13 4.19	− 3 10.7	2.080	2.951	11.0	21.3
3 12	12 58.13	− 2 12.6	2.014	2.954	7.5	21.1
3 22	12 50.49	− 1 6.5	1.973	2.957	3.8	20.9
4 1	12 42.00	+ 0 1.8	1.962	2.959	1.5	20.7
4 11	12 33.55	+ 1 5.9	1.981	2.961	4.9	21.0
4 21	12 25.98	+ 2 0.1	2.027	2.962	8.6	21.2
5 1	12 19.97	+ 2 40.2	2.099	2.962	12.0	21.4

188908 2007 BS_8 3 31.9 92.°11 7.°5/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.62	+12 50.5	1.803	2.616	14.9	20.5
3 2	13 5.61	+14 10.6	1.747	2.631	12.0	20.3
3 12	12 59.18	+15 29.6	1.713	2.646	9.2	20.2
3 22	12 51.00	+16 39.0	1.705	2.661	7.6	20.1
4 1	12 42.00	+17 30.2	1.723	2.676	8.1	20.2
4 11	12 33.26	+17 57.7	1.767	2.690	10.3	20.3
4 21	12 25.74	+17 59.6	1.835	2.704	13.0	20.5
5 1	12 20.15	+17 36.9	1.924	2.719	15.6	20.7

16328 3111 $T\text{-}2$ 3 31.9 32.°07 2.°1/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.40	− 6 12.9	1.489	2.297	17.7	18.0
3 2	12 59.75	− 4 48.9	1.415	2.304	13.9	17.8
3 12	12 55.51	− 3 3.3	1.361	2.310	9.5	17.5
3 22	12 49.28	− 1 3.3	1.331	2.318	4.7	17.2
4 1	12 42.01	+ 1 0.2	1.329	2.325	2.4	17.1
4 11	12 34.85	+ 2 54.9	1.353	2.333	6.7	17.4
4 21	12 28.88	+ 4 30.8	1.402	2.342	11.3	17.7
5 1	12 24.89	+ 5 41.3	1.474	2.351	15.3	17.9

503875 2000 SB_{304} 3 31.9 181.°24 2.°5/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.77	−17 8.0	2.802	3.509	12.7	22.7
3 2	13 2.69	−16 47.3	2.695	3.511	10.5	22.5
3 12	12 56.90	−16 10.5	2.610	3.512	7.9	22.4
3 22	12 49.81	−15 18.6	2.551	3.512	5.1	22.2
4 1	12 42.01	−14 14.0	2.522	3.511	2.7	22.0
4 11	12 34.21	−13 1.2	2.522	3.509	3.4	22.1
4 21	12 27.08	−11 45.4	2.553	3.507	6.1	22.2
5 1	12 21.20	−10 32.2	2.612	3.504	8.9	22.4

74739 1999 RG_{184} 3 31.9 257.°67 2.°1/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.65	− 2 7.0	1.810	2.603	15.7	20.1
3 2	13 5.29	− 1 29.4	1.705	2.585	12.5	19.9
3 12	12 59.38	− 0 38.7	1.622	2.567	8.7	19.6
3 22	12 51.35	+ 0 21.0	1.564	2.548	4.5	19.3
4 1	12 42.00	+ 1 23.1	1.533	2.529	2.3	19.1
4 11	12 32.46	+ 2 19.9	1.529	2.509	6.2	19.3
4 21	12 23.83	+ 3 4.7	1.553	2.489	10.7	19.5
5 1	12 17.06	+ 3 32.4	1.599	2.468	14.7	19.7

433583 2013 YU_{35} 3 31.9 56.°50 8.°0/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.08	+17 6.4	1.971	2.779	14.0	20.4
3 2	13 4.89	+18 15.5	1.925	2.801	11.5	20.3
3 12	12 58.52	+19 19.2	1.901	2.822	9.2	20.2
3 22	12 50.59	+20 9.7	1.903	2.844	8.0	20.1
4 1	12 42.01	+20 40.4	1.930	2.866	8.5	20.2
4 11	12 33.76	+20 47.3	1.983	2.888	10.3	20.4
4 21	12 26.67	+20 30.2	2.060	2.910	12.6	20.5
5 1	12 21.37	+19 50.8	2.158	2.932	14.7	20.7

143583 2003 FY_{13} 3 31.9 266.°33 0.°1/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.01	− 8 39.8	2.413	3.180	12.9	19.9
3 2	12 59.21	− 7 58.9	2.314	3.176	10.3	19.7
3 12	12 54.64	− 7 3.8	2.236	3.171	7.2	19.5
3 22	12 48.70	− 5 57.4	2.185	3.167	3.7	19.3
4 1	12 42.01	− 4 44.2	2.163	3.163	0.1	18.9
4 11	12 35.32	− 3 30.2	2.171	3.158	3.7	19.2
4 21	12 29.31	− 2 21.2	2.206	3.154	7.3	19.4
5 1	12 24.60	− 1 22.3	2.268	3.149	10.5	19.6

134872 2000 QV_{85} 3 31.9 160.°30 0.°1/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.95	− 7 8.0	2.866	3.624	11.3	20.8
3 2	13 0.34	− 6 36.3	2.771	3.629	9.0	20.6
3 12	12 55.19	− 5 54.3	2.700	3.634	6.2	20.4
3 22	12 48.90	− 5 4.4	2.657	3.638	3.2	20.2
4 1	12 42.02	− 4 10.3	2.643	3.642	0.1	20.0
4 11	12 35.17	− 3 16.3	2.659	3.646	3.3	20.3
4 21	12 28.93	− 2 26.6	2.705	3.649	6.3	20.5
5 1	12 23.83	− 1 44.8	2.778	3.652	9.0	20.6

376469 2012 JG_{19} 3 31.9 264.°40 1.°8/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.91	− 2 13.5	2.036	2.822	14.4	21.5
3 2	13 4.40	− 1 42.6	1.926	2.802	11.5	21.3
3 12	12 58.59	− 1 0.2	1.838	2.781	7.9	21.0
3 22	12 50.89	− 0 10.1	1.776	2.760	4.1	20.7
4 1	12 42.02	+ 0 42.4	1.742	2.738	1.9	20.5
4 11	12 32.96	+ 1 30.9	1.736	2.716	5.5	20.7
4 21	12 24.68	+ 2 9.7	1.757	2.694	9.6	20.9
5 1	12 18.04	+ 2 34.2	1.803	2.671	13.4	21.1

80462 2000 AH_{18} 3 31.9 194.°72 0.°6/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 11.49	− 8 28.8	1.714	2.485	17.2	19.9
3 2	13 7.59	− 8 15.3	1.621	2.484	13.9	19.6
3 12	13 0.96	− 7 45.0	1.547	2.482	9.9	19.4
3 22	12 52.13	− 7 0.0	1.498	2.479	5.3	19.1
4 1	12 42.02	− 6 4.9	1.476	2.475	0.6	18.7
4 11	12 31.85	− 5 6.9	1.482	2.471	4.9	19.0
4 21	12 22.79	− 4 13.3	1.515	2.466	9.6	19.3
5 1	12 15.80	− 3 30.8	1.571	2.460	13.9	19.5

405535 2005 EN_{310} 3 31.9 122.°32 2.°1/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.78	− 2 42.2	1.883	2.668	15.4	22.1
3 2	13 5.64	− 1 46.9	1.810	2.686	12.1	21.9
3 12	12 59.19	− 0 39.3	1.759	2.703	8.2	21.7
3 22	12 51.03	+ 0 35.2	1.735	2.719	4.2	21.4
4 1	12 42.02	+ 1 49.4	1.739	2.734	2.3	21.3
4 11	12 33.21	+ 2 55.8	1.772	2.749	5.8	21.6
4 21	12 25.51	+ 3 48.5	1.832	2.763	9.6	21.9
5 1	12 19.62	+ 4 23.8	1.916	2.777	13.0	22.1

453365 2009 BC_{31} 3 31.9 356.°35 6.°0/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.44	+ 4 26.9	1.327	2.159	18.2	20.9
3 2	13 3.37	+ 5 39.5	1.255	2.157	14.3	20.7
3 12	12 58.28	+ 7 2.6	1.204	2.156	10.2	20.4
3 22	12 50.81	+ 8 26.6	1.176	2.155	6.6	20.2
4 1	12 42.03	+ 9 40.3	1.172	2.155	6.5	20.2
4 11	12 33.33	+10 33.2	1.193	2.155	10.0	20.4
4 21	12 26.01	+10 59.2	1.236	2.155	14.3	20.6
5 1	12 21.04	+10 56.6	1.299	2.156	18.2	20.9

468279 2015 DX_4 3 31.9 113.°91 5.°0/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.86	+ 6 38.7	2.091	2.895	13.4	21.2
3 2	13 3.11	+ 8 0.0	2.025	2.910	10.5	21.0
3 12	12 57.32	+ 9 25.9	1.983	2.925	7.5	20.9
3 22	12 50.04	+10 49.1	1.969	2.940	5.3	20.7
4 1	12 42.03	+12 2.0	1.982	2.954	5.5	20.8
4 11	12 34.19	+12 58.3	2.024	2.967	7.9	21.0
4 21	12 27.32	+13 34.2	2.091	2.981	10.7	21.2
5 1	12 22.04	+13 48.8	2.181	2.994	13.4	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
502377	2015 BV_{242}		3 31.9	218.°74	2.°5/29.2	17
	h m	° ′			°	m
2 21	13 4.54	− 1 44.8	2.027	2.822	14.1	21.5
3 2	13 1.55	− 0 42.2	1.936	2.818	11.1	21.3
3 12	12 56.44	+ 0 32.9	1.869	2.815	7.6	21.0
3 22	12 49.69	+ 1 55.2	1.827	2.811	4.0	20.8
4 1	12 42.04	+ 3 17.5	1.814	2.807	2.8	20.7
4 11	12 34.38	+ 4 32.3	1.829	2.803	6.0	20.9
4 21	12 27.58	+ 5 33.1	1.871	2.798	9.7	21.1
5 1	12 22.36	+ 6 15.9	1.937	2.794	13.1	21.3
39655	Muneharuasada		3 31.9	156.°08	0.°2/ 1.2	18
2 21	13 8.63	− 6 43.6	2.241	3.005	13.9	19.5
3 2	13 4.51	− 6 33.4	2.149	3.010	11.1	19.3
3 12	12 58.34	− 6 11.8	2.080	3.014	7.8	19.1
3 22	12 50.61	− 5 40.9	2.037	3.018	4.0	18.9
4 1	12 42.04	− 5 4.5	2.023	3.022	0.2	18.6
4 11	12 33.49	− 4 27.3	2.038	3.025	3.9	18.9
4 21	12 25.79	− 3 53.9	2.081	3.028	7.6	19.1
5 1	12 19.63	− 3 28.5	2.150	3.031	11.0	19.4
188453	2004 HK_{78}		3 31.9	72.°02	1.°1/ 1.9	18
2 21	13 6.70	−10 13.9	1.697	2.473	17.2	20.2
3 2	13 3.64	− 9 57.8	1.618	2.482	13.9	20.0
3 12	12 58.08	− 9 23.5	1.559	2.492	9.9	19.8
3 22	12 50.57	− 8 33.5	1.523	2.502	5.4	19.5
4 1	12 42.04	− 7 32.7	1.514	2.512	1.2	19.3
4 11	12 33.62	− 6 28.5	1.532	2.522	4.5	19.5
4 21	12 26.33	− 5 28.4	1.576	2.532	8.9	19.8
5 1	12 20.99	− 4 38.8	1.645	2.542	12.9	20.1
29299	1993 TW_1		3 31.9	118.°11	4.°2/28.5	18
2 21	13 11.42	+ 5 10.6	1.852	2.652	15.1	17.9
3 2	13 7.06	+ 5 44.8	1.776	2.659	11.9	17.7
3 12	13 0.27	+ 6 23.6	1.722	2.666	8.3	17.5
3 22	12 51.63	+ 7 1.4	1.694	2.672	5.1	17.3
4 1	12 42.04	+ 7 31.7	1.693	2.679	4.5	17.3
4 11	12 32.60	+ 7 49.0	1.720	2.685	7.3	17.5
4 21	12 24.29	+ 7 50.1	1.774	2.691	10.8	17.7
5 1	12 17.88	+ 7 33.8	1.850	2.697	14.1	17.9
507714	2013 UN		3 31.9	205.°40	7.°7/12.2	17
2 21	13 9.28	−35 54.8	2.811	3.385	15.0	22.8
3 2	13 5.09	−36 7.5	2.692	3.378	13.6	22.7
3 12	12 58.82	−35 57.4	2.590	3.371	11.9	22.5
3 22	12 50.90	−35 21.5	2.507	3.363	10.1	22.4
4 1	12 42.04	−34 18.5	2.450	3.354	8.5	22.3
4 11	12 33.14	−32 50.5	2.418	3.344	7.7	22.2
4 21	12 25.05	−31 2.5	2.415	3.334	8.2	22.2
5 1	12 18.49	−29 2.3	2.440	3.322	9.8	22.3
429996	2013 QC_{13}		3 31.9	103.°34	0.°6/31.3	15
2 21	13 6.69	− 6 25.4	2.121	2.894	14.3	22.6
3 2	13 2.96	− 5 43.5	2.045	2.912	11.3	22.5
3 12	12 57.22	− 4 48.4	1.992	2.930	7.8	22.3
3 22	12 50.00	− 3 43.9	1.964	2.947	3.9	22.1
4 1	12 42.05	− 2 35.7	1.966	2.965	0.7	21.8
4 11	12 34.26	− 1 30.0	1.996	2.981	4.3	22.2
4 21	12 27.40	− 0 32.7	2.055	2.997	8.0	22.4
5 1	12 22.12	+ 0 11.9	2.139	3.013	11.3	22.6
122014	2000 GT_{34}		3 31.9	213.°90	0.°2/31.8	18
2 21	13 11.98	− 6 5.0	1.833	2.606	16.2	20.6
3 2	13 7.84	− 5 51.2	1.733	2.599	13.0	20.3
3 12	13 1.09	− 5 23.4	1.655	2.592	9.2	20.1
3 22	12 52.21	− 4 44.3	1.601	2.583	4.7	19.8
4 1	12 42.07	− 3 58.3	1.575	2.575	0.2	19.4
4 11	12 31.81	− 3 11.8	1.578	2.565	4.9	19.8
4 21	12 22.55	− 2 31.1	1.608	2.555	9.5	20.0
5 1	12 15.24	− 2 1.7	1.662	2.544	13.6	20.2
336936	2011 HJ_{63}		3 31.9	286.°54	2.°9/29.1	17
2 21	13 5.89	+ 0 51.3	1.944	2.744	14.4	20.9
3 2	13 2.73	+ 1 33.5	1.855	2.739	11.4	20.7
3 12	12 57.33	+ 2 25.0	1.788	2.734	7.8	20.5
3 22	12 50.19	+ 3 20.6	1.747	2.730	4.3	20.3
4 1	12 42.07	+ 4 14.0	1.733	2.725	3.2	20.2
4 11	12 33.95	+ 4 58.6	1.747	2.720	6.3	20.4
4 21	12 26.74	+ 5 29.3	1.787	2.715	10.0	20.6
5 1	12 21.21	+ 5 43.0	1.851	2.710	13.5	20.8
245536	2005 SR_{285}		3 31.9	315.°06	4.°1/26.8	18
2 21	12 59.90	+ 2 10.6	2.101	2.912	13.1	20.3
3 2	12 57.91	+ 3 39.3	2.002	2.894	10.3	20.1
3 12	12 53.97	+ 5 19.6	1.928	2.877	7.2	19.8
3 22	12 48.47	+ 7 4.7	1.881	2.860	4.5	19.7
4 1	12 42.07	+ 8 46.4	1.862	2.844	4.6	19.6
4 11	12 35.59	+10 16.2	1.871	2.827	7.4	19.8
4 21	12 29.84	+11 27.6	1.906	2.812	10.8	19.9
5 1	12 25.51	+12 16.7	1.964	2.796	13.9	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
455267	2001 VM_{82}		3 31.9	203.°36	2.°1/30.1	17
	h m	° ′			°	m
2 21	13 11.12	− 1 50.8	1.879	2.664	15.4	22.4
3 2	13 7.00	− 1 11.5	1.785	2.660	12.2	22.2
3 12	13 0.40	− 0 20.1	1.712	2.655	8.4	22.0
3 22	12 51.81	+ 0 38.6	1.665	2.649	4.3	21.7
4 1	12 42.08	+ 1 38.4	1.647	2.643	2.3	21.6
4 11	12 32.31	+ 2 32.0	1.657	2.635	6.0	21.8
4 21	12 23.53	+ 3 13.4	1.694	2.627	10.2	22.0
5 1	12 16.62	+ 3 38.4	1.755	2.618	13.9	22.2
504173	2006 SS_{388}		3 31.9	144.°80	3.°4/27.5	17
2 21	13 3.67	+ 3 56.1	2.605	3.400	11.3	22.4
3 2	13 0.27	+ 4 57.1	2.524	3.405	8.9	22.3
3 12	12 55.22	+ 6 3.6	2.467	3.411	6.2	22.1
3 22	12 48.97	+ 7 10.6	2.438	3.416	3.9	22.0
4 1	12 42.09	+ 8 12.5	2.439	3.420	3.7	22.0
4 11	12 35.26	+ 9 4.4	2.468	3.425	5.9	22.1
4 21	12 29.13	+ 9 42.6	2.525	3.429	8.5	22.3
5 1	12 24.23	+10 5.1	2.606	3.433	11.0	22.4
105668	2000 SW_{38}		3 31.9	114.°60	2.°8/29.6	18
2 21	13 11.48	− 0 11.9	1.705	2.500	16.4	19.9
3 2	13 7.26	+ 0 29.6	1.634	2.515	12.8	19.7
3 12	13 0.48	+ 1 21.5	1.585	2.530	8.8	19.5
3 22	12 51.76	+ 2 17.9	1.560	2.544	4.6	19.3
4 1	12 42.09	+ 3 11.9	1.563	2.557	3.0	19.2
4 11	12 32.62	+ 3 56.3	1.595	2.570	6.5	19.5
4 21	12 24.40	+ 4 25.9	1.652	2.583	10.5	19.7
5 1	12 18.22	+ 4 37.9	1.732	2.595	14.1	20.0
501387	2013 YA_{69}		3 31.9	160.°54	3.°7/27.1	17
2 21	13 4.49	+ 5 10.0	2.592	3.387	11.4	21.9
3 2	13 0.93	+ 6 13.7	2.510	3.391	8.9	21.8
3 12	12 55.70	+ 7 22.0	2.453	3.395	6.3	21.6
3 22	12 49.23	+ 8 30.1	2.424	3.399	4.1	21.5
4 1	12 42.11	+ 9 32.1	2.424	3.402	4.1	21.5
4 11	12 35.05	+10 22.9	2.453	3.405	6.2	21.6
4 21	12 28.68	+10 59.2	2.510	3.408	8.9	21.8
5 1	12 23.57	+11 18.9	2.591	3.410	11.3	21.9
246654	2008 YN_{35}		3 31.9	287.°19	4.°8/28.1	17
2 21	13 7.35	+ 2 35.2	1.509	2.326	17.1	20.2
3 2	13 4.92	+ 3 34.2	1.407	2.301	13.7	19.9
3 12	12 59.54	+ 4 46.5	1.326	2.276	9.7	19.6
3 22	12 51.64	+ 6 5.0	1.268	2.250	5.8	19.3
4 1	12 42.11	+ 7 20.0	1.237	2.224	5.3	19.2
4 11	12 32.25	+ 8 21.0	1.231	2.198	9.1	19.4
4 21	12 23.41	+ 9 0.0	1.248	2.172	13.8	19.6
5 1	12 16.76	+ 9 12.5	1.287	2.146	18.2	19.7
264591	2001 TE_{214}		3 31.9	131.°49	2.°0/29.9	18
2 21	13 8.97	− 1 16.2	2.220	3.000	13.5	21.8
3 2	13 4.67	− 0 34.6	2.142	3.015	10.6	21.6
3 12	12 58.38	+ 0 16.0	2.087	3.029	7.2	21.4
3 22	12 50.62	+ 1 11.3	2.059	3.042	3.7	21.2
4 1	12 42.11	+ 2 5.8	2.060	3.054	2.2	21.1
4 11	12 33.74	+ 2 53.7	2.090	3.066	5.1	21.4
4 21	12 26.28	+ 3 30.8	2.149	3.078	8.5	21.6
5 1	12 20.37	+ 3 54.1	2.232	3.089	11.6	21.8
199433	2006 DY_{22}		3 31.9	37.°31	0.°4/ 1.4	17
2 21	13 7.60	− 6 54.3	1.754	2.536	16.5	20.2
3 2	13 4.30	− 6 54.2	1.672	2.543	13.2	20.0
3 12	12 58.52	− 6 40.5	1.612	2.549	9.3	19.8
3 22	12 50.83	− 6 15.5	1.575	2.557	4.9	19.5
4 1	12 42.11	− 5 43.2	1.565	2.564	0.5	19.2
4 11	12 33.47	− 5 9.5	1.583	2.572	4.5	19.5
4 21	12 25.91	− 4 39.9	1.627	2.580	8.9	19.8
5 1	12 20.25	− 4 19.3	1.694	2.589	12.7	20.1
3611	Dabu		3 31.9	97.°37	3.°3/28.3	18
2 21	13 6.95	+ 1 56.8	2.126	2.921	13.5	17.6
3 2	13 3.11	+ 3 0.4	2.059	2.941	10.5	17.5
3 12	12 57.29	+ 4 11.2	2.017	2.961	7.2	17.3
3 22	12 50.04	+ 5 23.5	2.001	2.981	4.2	17.2
4 1	12 42.12	+ 6 30.5	2.014	3.000	3.7	17.2
4 11	12 34.38	+ 7 26.2	2.055	3.020	6.3	17.3
4 21	12 27.60	+ 8 6.2	2.124	3.038	9.4	17.6
5 1	12 22.37	+ 8 28.5	2.216	3.056	12.3	17.8
389254	2009 FG_{47}		3 31.9	19.°11	1.°0/30.9	17
2 21	13 0.50	− 6 24.9	1.868	2.662	15.2	20.3
3 2	12 58.50	− 5 29.2	1.788	2.667	12.0	20.1
3 12	12 54.39	− 4 17.3	1.729	2.673	8.2	19.9
3 22	12 48.67	− 2 54.1	1.695	2.680	4.1	19.7
4 1	12 42.11	− 1 26.4	1.689	2.687	1.1	19.5
4 11	12 35.63	− 0 2.6	1.710	2.695	5.0	19.7
4 21	12 30.07	+ 1 10.1	1.759	2.703	9.0	20.0
5 1	12 26.11	+ 2 6.3	1.831	2.712	12.6	20.2