248376 2005 RV_{20} 4 8.9 208.°26 4.°9/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.73	−26 7.5	2.734	3.438	13.1	20.6
3 12	13 30.66	−26 27.5	2.630	3.435	11.1	20.5
3 22	13 24.80	−26 31.2	2.547	3.432	8.9	20.3
4 1	13 17.60	−26 17.5	2.488	3.429	6.6	20.2
4 11	13 9.73	−25 47.0	2.457	3.425	5.1	20.0
4 21	13 1.93	−25 2.4	2.453	3.422	5.3	20.1
5 1	12 54.96	−24 8.2	2.477	3.418	7.1	20.2
5 11	12 49.43	−23 10.1	2.528	3.414	9.5	20.3

403793 2011 SG_{231} 4 8.9 162.°16 0.°7/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.17	−12 34.6	1.853	2.640	15.7	22.8
3 12	13 34.61	−12 9.0	1.768	2.646	12.4	22.6
3 22	13 27.65	−11 27.4	1.705	2.651	8.5	22.4
4 1	13 18.94	−10 32.1	1.668	2.656	4.1	22.1
4 11	13 9.41	− 9 28.4	1.658	2.660	1.0	21.9
4 21	13 0.15	− 8 22.9	1.677	2.663	5.3	22.2
5 1	12 52.15	− 7 22.7	1.723	2.666	9.5	22.4
5 11	12 46.17	− 6 33.8	1.793	2.668	13.3	22.7

109466 2001 QW_{215} 4 8.9 200.°14 0.°5/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.49	− 7 43.4	2.694	3.483	11.2	20.9
3 12	13 30.25	− 7 18.1	2.598	3.480	8.7	20.7
3 22	13 24.40	− 6 44.3	2.526	3.476	5.8	20.5
4 1	13 17.38	− 6 4.5	2.482	3.472	2.6	20.3
4 11	13 9.81	− 5 22.4	2.467	3.468	1.1	20.1
4 21	13 2.35	− 4 42.0	2.482	3.463	4.3	20.4
5 1	12 55.66	− 4 7.1	2.526	3.458	7.5	20.5
5 11	12 50.28	− 3 41.0	2.596	3.452	10.3	20.7

95441 2002 CW_{244} 4 8.9 304.°33 1.°7/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.71	−14 23.2	2.396	3.170	12.9	19.6
3 12	13 29.96	−14 23.9	2.298	3.166	10.3	19.4
3 22	13 24.37	−14 12.2	2.223	3.161	7.3	19.2
4 1	13 17.42	−13 49.0	2.174	3.156	4.0	18.9
4 11	13 9.79	−13 17.1	2.152	3.151	1.7	18.8
4 21	13 2.26	−12 40.2	2.160	3.147	4.1	18.9
5 1	12 55.60	−12 2.8	2.195	3.142	7.5	19.1
5 11	12 50.42	−11 29.7	2.255	3.138	10.6	19.3

191944 2005 UG_{48} 4 8.9 264.°43 3.°6/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.76	− 1 59.7	1.469	2.297	17.1	20.3
3 12	13 35.92	− 1 21.5	1.377	2.281	13.4	20.1
3 22	13 29.06	− 0 32.8	1.305	2.264	9.0	19.8
4 1	13 19.78	+ 0 20.5	1.257	2.247	4.7	19.5
4 11	13 9.17	+ 1 10.4	1.235	2.229	4.4	19.4
4 21	12 58.59	+ 1 48.6	1.239	2.211	8.8	19.6
5 1	12 49.43	+ 2 8.9	1.267	2.193	13.7	19.8
5 11	12 42.76	+ 2 7.7	1.316	2.175	18.1	20.0

85647 1998 PZ 4 9.0 156.°85 1.°6/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 43.35	− 5 8.7	1.715	2.519	16.0	19.8
3 12	13 37.97	− 4 50.4	1.636	2.527	12.4	19.6
3 22	13 29.95	− 4 22.3	1.579	2.533	8.2	19.4
4 1	13 20.00	− 3 48.4	1.548	2.539	3.7	19.1
4 11	13 9.17	− 3 14.2	1.545	2.544	2.2	19.0
4 21	12 58.66	− 2 45.3	1.570	2.549	6.5	19.3
5 1	12 49.59	− 2 26.8	1.622	2.553	10.9	19.6
5 11	12 42.77	− 2 21.8	1.697	2.556	14.6	19.8

362961 2013 BT_{24} 4 9.0 183.°53 5.°5/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 32.24	+ 9 55.2	2.729	3.549	10.3	20.6
3 12	13 28.46	+11 11.5	2.658	3.549	8.2	20.4
3 22	13 23.16	+12 26.8	2.612	3.549	6.4	20.3
4 1	13 16.80	+13 35.3	2.593	3.549	5.5	20.3
4 11	13 9.98	+14 31.5	2.604	3.548	6.3	20.3
4 21	13 3.32	+15 11.6	2.641	3.547	8.1	20.4
5 1	12 57.44	+15 33.2	2.704	3.546	10.2	20.6
5 11	12 52.81	+15 36.1	2.788	3.545	12.2	20.7

176672 2002 PR_{39} 4 9.0 173.°14 0.°7/ 8.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.91	− 8 26.8	2.117	2.911	13.7	21.7
3 12	13 33.31	− 7 51.8	2.030	2.914	10.7	21.5
3 22	13 26.63	− 7 5.1	1.966	2.917	7.1	21.3
4 1	13 18.45	− 6 10.1	1.929	2.919	3.1	21.1
4 11	13 9.57	− 5 11.9	1.920	2.921	1.3	20.9
4 21	13 0.90	− 4 16.3	1.941	2.922	5.3	21.2
5 1	12 53.30	− 3 28.8	1.989	2.922	9.1	21.4
5 11	12 47.43	− 2 53.6	2.062	2.921	12.4	21.6

248961 2006 YW_3 4 9.0 293.°82 3.°4/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.00	+ 0 18.0	2.225	3.045	12.3	20.3
3 12	13 29.50	+ 1 4.0	2.131	3.032	9.5	20.1
3 22	13 24.11	+ 1 55.8	2.062	3.019	6.4	19.9
4 1	13 17.32	+ 2 48.2	2.019	3.005	3.8	19.7
4 11	13 9.84	+ 3 35.7	2.005	2.992	4.0	19.7
4 21	13 2.46	+ 4 13.2	2.018	2.979	6.9	19.8
5 1	12 55.96	+ 4 36.6	2.057	2.966	10.1	20.0
5 11	12 50.99	+ 4 43.7	2.120	2.953	13.1	20.1

497405 2005 WF_{17} 4 9.0 21.°22 3.°9/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 30.56	−19 49.2	1.363	2.160	19.7	20.0
3 12	13 28.73	−19 42.3	1.294	2.169	16.1	19.8
3 22	13 24.12	−19 8.7	1.243	2.179	11.9	19.6
4 1	13 17.42	−18 9.2	1.213	2.190	7.3	19.4
4 11	13 9.83	−16 49.4	1.207	2.202	4.0	19.2
4 21	13 2.61	−15 18.4	1.226	2.216	6.0	19.3
5 1	12 56.95	−13 47.2	1.269	2.230	10.3	19.6
5 11	12 53.67	−12 26.2	1.334	2.245	14.5	19.9

466563 2014 TJ_{23} 4 9.0 123.°58 0.°4/ 8.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.46	− 8 20.2	1.764	2.567	15.7	21.9
3 12	13 34.87	− 8 5.2	1.687	2.576	12.2	21.7
3 22	13 27.85	− 7 38.1	1.632	2.584	8.2	21.5
4 1	13 19.03	− 7 2.2	1.602	2.593	3.7	21.2
4 11	13 9.43	− 6 22.3	1.599	2.601	1.2	21.1
4 21	13 0.14	− 5 44.3	1.625	2.608	5.7	21.4
5 1	12 52.18	− 5 13.8	1.676	2.616	10.0	21.7
5 11	12 46.31	− 4 54.9	1.751	2.623	13.7	21.9

86251 1999 TE_{183} 4 9.0 247.°81 1.°2/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 32.15	− 6 18.3	2.681	3.480	11.0	20.0
3 12	13 28.51	− 5 39.3	2.580	3.469	8.5	19.8
3 22	13 23.29	− 4 51.7	2.504	3.458	5.6	19.6
4 1	13 16.91	− 3 58.6	2.455	3.446	2.5	19.4
4 11	13 9.96	− 3 4.3	2.435	3.434	1.7	19.3
4 21	13 3.09	− 2 13.2	2.445	3.422	4.7	19.5
5 1	12 56.95	− 1 29.7	2.484	3.410	7.8	19.7
5 11	12 52.07	− 0 56.9	2.547	3.397	10.6	19.9

374451 2005 XF_4 4 9.0 171.°65 1.°9/ 7.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.04	− 4 13.3	2.291	3.093	12.6	22.3
3 12	13 32.45	− 3 34.5	2.206	3.097	9.7	22.1
3 22	13 25.97	− 2 47.8	2.145	3.100	6.4	21.9
4 1	13 18.12	− 1 57.1	2.112	3.102	3.0	21.7
4 11	13 9.67	− 1 7.5	2.107	3.104	2.4	21.6
4 21	13 1.42	− 0 24.0	2.132	3.105	5.6	21.9
5 1	12 54.14	+ 0 9.1	2.185	3.106	9.0	22.1
5 11	12 48.44	+ 0 29.2	2.262	3.106	12.0	22.3

22116 2000 RK_{71} 4 9.0 253.°21 1.°9/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 30.17	− 2 4.7	3.155	3.962	9.4	19.0
3 12	13 26.68	− 1 29.0	3.065	3.958	7.2	18.8
3 22	13 21.91	− 0 48.6	2.999	3.954	4.7	18.7
4 1	13 16.24	− 0 6.7	2.962	3.951	2.4	18.5
4 11	13 10.15	+ 0 33.1	2.954	3.947	2.3	18.5
4 21	13 4.16	+ 1 7.7	2.976	3.943	4.6	18.6
5 1	12 58.79	+ 1 34.1	3.026	3.939	7.1	18.8
5 11	12 54.46	+ 1 50.3	3.101	3.935	9.3	19.0

61247 2000 OF_{23} 4 9.0 248.°08 6.°4/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.93	+ 7 51.6	2.018	2.843	13.2	19.1
3 12	13 32.76	+ 9 2.5	1.933	2.830	10.5	18.9
3 22	13 26.40	+10 14.6	1.871	2.816	7.9	18.7
4 1	13 18.40	+11 20.5	1.835	2.802	6.4	18.5
4 11	13 9.59	+12 12.6	1.827	2.787	7.3	18.6
4 21	13 0.92	+12 45.2	1.845	2.772	9.8	18.7
5 1	12 53.31	+12 55.0	1.888	2.757	12.8	18.8
5 11	12 47.48	+12 41.7	1.952	2.742	15.6	19.0

150862 2001 SW_{140} 4 9.0 158.°76 0.°0/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.40	−10 26.4	2.038	2.832	14.2	21.0
3 12	13 32.24	− 9 55.5	1.953	2.836	11.1	20.8
3 22	13 25.97	− 9 11.3	1.891	2.840	7.5	20.6
4 1	13 18.17	− 8 16.7	1.854	2.844	3.4	20.3
4 11	13 9.68	− 7 16.9	1.846	2.848	0.9	20.1
4 21	13 1.41	− 6 17.8	1.866	2.851	5.1	20.5
5 1	12 54.23	− 5 25.4	1.914	2.853	9.0	20.7
5 11	12 48.82	− 4 44.4	1.986	2.855	12.4	20.9

60981 2000 KP_{12} 4 9.0 141.°15 1.°6/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.00	− 6 26.3	1.501	2.320	17.2	19.5
3 12	13 34.99	− 5 56.4	1.424	2.323	13.4	19.3
3 22	13 28.18	− 5 13.2	1.369	2.326	8.9	19.0
4 1	13 19.28	− 4 21.6	1.338	2.329	4.0	18.7
4 11	13 9.41	− 3 28.5	1.333	2.332	2.3	18.6
4 21	12 59.86	− 2 41.4	1.354	2.335	7.1	18.9
5 1	12 51.82	− 2 6.9	1.400	2.337	11.8	19.2
5 11	12 46.15	− 1 49.3	1.468	2.339	15.9	19.4

310894 2003 RF_5 4 9.0 152.°56 0.°1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.94	−10 11.6	1.973	2.764	14.7	21.8
3 12	13 34.24	− 9 41.0	1.891	2.772	11.5	21.6
3 22	13 27.32	− 8 56.9	1.831	2.780	7.7	21.4
4 1	13 18.79	− 8 2.5	1.798	2.788	3.5	21.1
4 11	13 9.56	− 7 3.1	1.793	2.795	0.9	20.9
4 21	13 0.60	− 6 4.8	1.817	2.801	5.3	21.3
5 1	12 52.82	− 5 13.6	1.869	2.806	9.3	21.5
5 11	12 46.94	− 4 34.4	1.945	2.811	12.8	21.7

238888 2005 YR_{71} 4 9.0 99.°98 0.°5/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.03	− 8 8.4	1.455	2.269	17.9	20.9
3 12	13 36.56	− 7 54.7	1.386	2.280	14.0	20.7
3 22	13 29.21	− 7 27.2	1.336	2.291	9.3	20.4
4 1	13 19.73	− 6 49.5	1.311	2.302	4.2	20.2
4 11	13 9.33	− 6 7.7	1.312	2.313	1.4	20.0
4 21	12 59.36	− 5 28.6	1.339	2.324	6.6	20.4
5 1	12 51.04	− 4 58.8	1.392	2.334	11.4	20.7
5 11	12 45.21	− 4 42.9	1.466	2.344	15.5	20.9

292330 2006 SO_{183} 4 9.0 117.°80 0.°2/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 33.90	− 9 23.4	2.607	3.394	11.6	21.9
3 12	13 29.78	− 8 55.8	2.526	3.407	9.0	21.8
3 22	13 24.07	− 8 18.6	2.470	3.419	6.0	21.6
4 1	13 17.24	− 7 34.6	2.441	3.431	2.7	21.4
4 11	13 9.96	− 6 47.5	2.441	3.442	0.8	21.3
4 21	13 2.88	− 6 1.7	2.471	3.453	4.1	21.5
5 1	12 56.65	− 5 21.2	2.529	3.464	7.2	21.7
5 11	12 51.76	− 4 49.3	2.613	3.475	10.0	21.9

389734 2011 SC_{109} 4 9.0 241.°63 1.°5/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.94	− 6 12.5	2.425	3.230	11.9	21.5
3 12	13 28.51	− 5 19.7	2.331	3.223	9.1	21.3
3 22	13 23.37	− 4 16.9	2.261	3.217	6.0	21.1
4 1	13 16.99	− 3 8.0	2.218	3.209	2.7	20.9
4 11	13 10.01	− 1 58.3	2.205	3.202	2.1	20.8
4 21	13 3.16	− 0 53.5	2.220	3.195	5.3	21.0
5 1	12 57.12	+ 0 1.6	2.264	3.187	8.6	21.2
5 11	12 52.47	+ 0 43.1	2.331	3.180	11.5	21.4

137506 1999 VA_{22} 4 9.0 212.°17 0.°4/ 8.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.20	− 9 14.1	2.134	2.924	13.7	21.4
3 12	13 33.67	− 8 42.9	2.035	2.917	10.8	21.1
3 22	13 26.99	− 7 59.1	1.958	2.908	7.2	20.9
4 1	13 18.70	− 7 5.7	1.909	2.899	3.2	20.6
4 11	13 9.59	− 6 7.5	1.888	2.889	1.1	20.4
4 21	13 0.59	− 5 10.3	1.897	2.879	5.2	20.7
5 1	12 52.59	− 4 19.9	1.933	2.867	9.2	20.9
5 11	12 46.33	− 3 41.1	1.994	2.855	12.7	21.1

359012 2008 UD_{215} 4 9.0 122.°02 2.°2/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 42.19	−14 28.7	1.638	2.421	17.5	21.9
3 12	13 37.25	−14 33.5	1.563	2.435	14.0	21.7
3 22	13 29.58	−14 21.0	1.508	2.448	9.9	21.5
4 1	13 19.89	−13 52.3	1.477	2.461	5.3	21.2
4 11	13 9.32	−13 11.1	1.474	2.473	2.2	21.1
4 21	12 59.11	−12 23.6	1.497	2.485	5.6	21.3
5 1	12 50.43	−11 36.8	1.547	2.496	9.9	21.6
5 11	12 44.11	−10 57.6	1.621	2.506	13.9	21.8

379990 2012 UL_{161} 4 9.0 56.°12 3.°0/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 33.98	−18 41.3	2.151	2.913	14.5	20.6
3 12	13 30.35	−18 41.9	2.068	2.923	11.8	20.4
3 22	13 24.71	−18 25.8	2.006	2.932	8.7	20.2
4 1	13 17.62	−17 53.7	1.969	2.942	5.4	20.1
4 11	13 9.90	−17 8.4	1.958	2.952	3.1	19.9
4 21	13 2.39	−16 14.7	1.976	2.962	4.6	20.0
5 1	12 55.93	−15 18.5	2.022	2.973	7.8	20.2
5 11	12 51.14	−14 25.8	2.092	2.983	10.9	20.5

517650 2015 BD_{543} 4 9.0 205.°05 6.°1/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 37.12	+10 40.2	2.460	3.274	11.4	21.9
3 12	13 32.44	+11 47.7	2.382	3.269	9.2	21.8
3 22	13 25.95	+12 53.5	2.328	3.263	7.1	21.6
4 1	13 18.16	+13 51.5	2.302	3.257	6.2	21.6
4 11	13 9.77	+14 35.6	2.304	3.250	6.9	21.6
4 21	13 1.56	+15 1.7	2.333	3.242	8.9	21.7
5 1	12 54.26	+15 7.8	2.388	3.234	11.3	21.8
5 11	12 48.47	+14 53.9	2.464	3.226	13.5	22.0

67606 2000 SY_{150} 4 9.0 156.°95 0.°1/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.84	−10 1.0	2.108	2.900	13.9	19.5
3 12	13 32.53	− 9 42.0	2.022	2.904	10.9	19.3
3 22	13 26.16	− 9 11.0	1.959	2.908	7.3	19.1
4 1	13 18.29	− 8 30.6	1.922	2.911	3.4	18.9
4 11	13 9.74	− 7 45.3	1.913	2.915	0.8	18.7
4 21	13 1.38	− 7 0.0	1.933	2.918	4.9	19.0
5 1	12 54.09	− 6 20.0	1.980	2.920	8.7	19.2
5 11	12 48.51	− 5 49.7	2.052	2.922	12.0	19.4

3174 Alcock 4 9.0 102.°46 0.°8/ 8.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 34.59	− 6 58.2	2.506	3.301	11.8	17.3
3 12	13 30.34	− 6 30.1	2.430	3.316	9.1	17.1
3 22	13 24.46	− 5 53.7	2.379	3.331	6.0	17.0
4 1	13 17.44	− 5 12.2	2.355	3.346	2.6	16.8
4 11	13 9.96	− 4 29.7	2.361	3.361	1.3	16.7
4 21	13 2.72	− 3 50.3	2.396	3.375	4.5	16.9
5 1	12 56.38	− 3 17.9	2.459	3.389	7.7	17.2
5 11	12 51.43	− 2 55.3	2.547	3.403	10.4	17.4

122164 2000 KA_3 4 9.0 256.°27 6.°3/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.61	−31 12.3	2.280	2.963	15.9	19.9
3 12	13 32.75	−30 58.6	2.155	2.941	13.9	19.7
3 22	13 26.57	−30 19.0	2.048	2.918	11.4	19.5
4 1	13 18.59	−29 10.8	1.964	2.895	8.7	19.3
4 11	13 9.65	−27 34.4	1.906	2.871	6.7	19.1
4 21	13 0.72	−25 34.4	1.877	2.846	6.6	19.0
5 1	12 52.84	−23 19.0	1.876	2.821	8.7	19.1
5 11	12 46.80	−20 59.0	1.903	2.795	11.8	19.2

198278 2004 TR_{282} 4 9.0 130.°44 1.°5/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.14	− 6 19.8	2.102	2.908	13.4	20.9
3 12	13 31.14	− 5 33.1	2.024	2.916	10.3	20.7
3 22	13 25.18	− 4 36.0	1.969	2.924	6.8	20.5
4 1	13 17.83	− 3 32.9	1.941	2.932	3.0	20.3
4 11	13 9.88	− 2 29.6	1.941	2.940	2.1	20.2
4 21	13 2.17	− 1 32.0	1.970	2.947	5.7	20.5
5 1	12 55.52	− 0 45.3	2.026	2.953	9.3	20.7
5 11	12 50.52	− 0 13.0	2.106	2.960	12.4	20.9

234922 2002 TX_{364} 4 9.0 138.°92 2.°2/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 32.00	− 5 19.9	2.122	2.936	13.0	20.5
3 12	13 28.76	− 4 13.3	2.039	2.937	10.0	20.3
3 22	13 23.63	− 2 55.8	1.979	2.937	6.5	20.1
4 1	13 17.15	− 1 32.6	1.947	2.938	3.1	19.9
4 11	13 10.05	− 0 10.4	1.943	2.938	2.9	19.9
4 21	13 3.14	+ 1 4.1	1.968	2.938	6.2	20.1
5 1	12 57.20	+ 2 5.0	2.019	2.939	9.7	20.3
5 11	12 52.82	+ 2 48.8	2.094	2.939	12.8	20.5

303686 2005 NN_{60} 4 9.0 251.°69 5.°2/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 32.20	+ 7 3.6	2.656	3.476	10.5	20.8
3 12	13 28.61	+ 8 27.4	2.565	3.460	8.3	20.6
3 22	13 23.42	+ 9 53.4	2.500	3.444	6.2	20.5
4 1	13 17.05	+11 15.6	2.464	3.428	5.2	20.4
4 11	13 10.09	+12 27.8	2.456	3.411	6.0	20.4
4 21	13 3.21	+13 25.0	2.476	3.394	8.1	20.5
5 1	12 57.05	+14 3.6	2.522	3.376	10.5	20.6
5 11	12 52.17	+14 22.6	2.590	3.358	12.8	20.7

410226 2007 SV_{19} 4 9.0 134.°58 0.°3/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 39.91	− 9 11.2	1.870	2.666	15.2	22.5
3 12	13 35.09	− 8 47.1	1.793	2.678	11.9	22.3
3 22	13 27.94	− 8 10.4	1.739	2.689	7.9	22.1
4 1	13 19.13	− 7 24.2	1.710	2.700	3.6	21.9
4 11	13 9.60	− 6 33.9	1.709	2.711	1.1	21.7
4 21	13 0.38	− 5 45.3	1.737	2.721	5.5	22.0
5 1	12 52.45	− 5 4.3	1.792	2.730	9.6	22.3
5 11	12 46.51	− 4 35.2	1.871	2.738	13.1	22.5

353477 2011 SG_{36} 4 9.0 161.°88 1.°0/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.80	− 7 18.5	2.742	3.538	10.9	21.6
3 12	13 28.15	− 6 29.9	2.654	3.541	8.4	21.4
3 22	13 23.01	− 5 32.3	2.591	3.544	5.5	21.3
4 1	13 16.82	− 4 29.1	2.556	3.547	2.4	21.1
4 11	13 10.16	− 3 24.8	2.550	3.549	1.5	21.0
4 21	13 3.66	− 2 24.1	2.575	3.552	4.5	21.2
5 1	12 57.91	− 1 31.2	2.628	3.554	7.4	21.4
5 11	12 53.39	− 0 49.4	2.706	3.556	10.1	21.6

499611 2010 TD_{187} 4 9.0 265.°75 3.°7/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 42.16	−16 30.0	1.808	2.576	16.7	21.8
3 12	13 37.62	−17 4.7	1.695	2.554	13.8	21.6
3 22	13 30.22	−17 24.8	1.602	2.532	10.2	21.3
4 1	13 20.44	−17 28.7	1.533	2.509	6.3	21.0
4 11	13 9.21	−17 16.8	1.492	2.486	3.7	20.8
4 21	12 57.77	−16 52.0	1.477	2.462	6.0	20.9
5 1	12 47.43	−16 20.0	1.490	2.438	10.3	21.1
5 11	12 39.31	−15 48.0	1.526	2.413	14.4	21.2

194035 2001 SU_{81} 4 9.0 341.°34 1.°8/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 32.61	− 8 57.3	1.252	2.088	18.9	19.7
3 12	13 30.59	− 7 54.5	1.176	2.085	14.8	19.4
3 22	13 25.58	− 6 29.6	1.119	2.081	9.8	19.1
4 1	13 18.25	− 4 49.3	1.085	2.078	4.3	18.7
4 11	13 9.80	− 3 4.4	1.076	2.076	2.7	18.6
4 21	13 1.62	− 1 27.2	1.091	2.073	8.1	18.9
5 1	12 55.05	− 0 8.8	1.130	2.072	13.4	19.2
5 11	12 51.02	+ 0 43.9	1.188	2.070	18.0	19.5

331946 2004 TH_{243} 4 9.0 197.°73 2.°7/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.18	−19 56.4	2.394	3.141	13.7	21.3
3 12	13 31.17	−19 32.9	2.292	3.138	11.2	21.1
3 22	13 25.24	−18 51.4	2.212	3.134	8.2	20.9
4 1	13 17.91	−17 53.0	2.158	3.131	5.0	20.7
4 11	13 9.90	−16 40.7	2.132	3.126	2.8	20.5
4 21	13 2.03	−15 19.9	2.135	3.121	4.3	20.6
5 1	12 55.09	−13 57.0	2.167	3.116	7.5	20.8
5 11	12 49.71	−12 38.8	2.226	3.110	10.7	21.0

336439 2008 UZ_{282} 4 9.0 217.°61 1.°9/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.29	− 3 59.6	2.155	2.963	13.1	21.4
3 12	13 32.10	− 3 30.2	2.066	2.959	10.1	21.2
3 22	13 25.90	− 2 53.0	2.000	2.955	6.7	21.0
4 1	13 18.22	− 2 11.7	1.960	2.951	3.1	20.7
4 11	13 9.84	− 1 31.3	1.949	2.946	2.4	20.7
4 21	13 1.61	− 0 56.7	1.967	2.942	5.8	20.9
5 1	12 54.36	− 0 32.1	2.011	2.937	9.4	21.1
5 11	12 48.77	− 0 20.6	2.080	2.931	12.6	21.3

434859 2006 SF_{221} 4 9.0 222.°47 0.°1/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.17	−10 12.6	2.434	3.222	12.3	21.8
3 12	13 30.27	− 9 52.2	2.337	3.217	9.7	21.6
3 22	13 24.60	− 9 20.9	2.265	3.213	6.5	21.4
4 1	13 17.61	− 8 41.1	2.218	3.208	3.0	21.2
4 11	13 9.99	− 7 56.6	2.201	3.203	0.7	21.0
4 21	13 2.49	− 7 11.7	2.213	3.198	4.3	21.2
5 1	12 55.84	− 6 31.0	2.253	3.192	7.8	21.4
5 11	12 50.62	− 5 58.6	2.318	3.187	10.9	21.6

94421 2001 TY_{33} 4 9.0 4.°23 5.°5/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.50	−19 57.5	1.381	2.164	20.3	19.3
3 12	13 35.25	−20 38.4	1.300	2.163	16.8	19.0
3 22	13 28.79	−20 57.0	1.236	2.163	12.8	18.8
4 1	13 19.78	−20 50.7	1.193	2.164	8.5	18.5
4 11	13 9.45	−20 20.5	1.174	2.164	5.6	18.4
4 21	12 59.30	−19 31.7	1.180	2.165	7.2	18.5
5 1	12 50.80	−18 33.2	1.210	2.166	11.3	18.7
5 11	12 45.04	−17 35.4	1.261	2.168	15.5	18.9

368962 2007 BZ_{43} 4 9.0 57.°74 8.°0/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.78	+ 7 26.2	1.509	2.354	15.8	20.0
3 12	13 31.38	+ 9 23.0	1.467	2.375	12.4	19.9
3 22	13 25.53	+11 19.0	1.448	2.397	9.4	19.7
4 1	13 18.02	+13 2.9	1.454	2.419	8.0	19.7
4 11	13 9.94	+14 24.1	1.486	2.441	9.2	19.8
4 21	13 2.40	+15 16.4	1.542	2.463	11.8	20.0
5 1	12 56.33	+15 37.6	1.620	2.485	14.8	20.2
5 11	12 52.39	+15 29.7	1.716	2.507	17.4	20.5

39512 1985 TA_1 4 9.0 186.°13 0.°0/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.69	−10 29.6	2.118	2.904	14.0	19.8
3 12	13 34.02	− 9 57.7	2.025	2.904	11.0	19.6
3 22	13 27.22	− 9 12.3	1.955	2.903	7.4	19.4
4 1	13 18.84	− 8 16.5	1.912	2.902	3.4	19.2
4 11	13 9.71	− 7 15.1	1.898	2.900	0.9	18.9
4 21	13 0.75	− 6 13.9	1.913	2.896	5.0	19.2
5 1	12 52.86	− 5 19.0	1.956	2.893	9.0	19.5
5 11	12 46.72	− 4 35.3	2.024	2.888	12.4	19.7

176005 2000 RW_{34} 4 9.0 221.°07 3.°4/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.44	−20 7.3	2.814	3.545	12.2	20.7
3 12	13 32.72	−20 30.5	2.705	3.537	10.1	20.6
3 22	13 26.22	−20 41.2	2.619	3.529	7.6	20.4
4 1	13 18.38	−20 38.8	2.559	3.521	5.1	20.2
4 11	13 9.83	−20 24.1	2.527	3.513	3.5	20.1
4 21	13 1.31	−19 59.5	2.525	3.504	4.4	20.1
5 1	12 53.55	−19 28.5	2.551	3.494	6.8	20.3
5 11	12 47.15	−18 55.8	2.604	3.485	9.4	20.4

225504 2000 QR_{15} 4 9.0 254.°11 0.°9/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.02	−12 33.2	2.156	2.937	13.9	21.1
3 12	13 32.92	−12 18.7	2.045	2.918	11.1	20.9
3 22	13 26.65	−11 50.2	1.955	2.899	7.7	20.6
4 1	13 18.67	−11 9.3	1.892	2.879	3.9	20.3
4 11	13 9.75	−10 19.4	1.857	2.858	1.0	20.1
4 21	13 0.82	− 9 25.6	1.851	2.837	4.8	20.3
5 1	12 52.80	− 8 33.8	1.872	2.815	8.9	20.5
5 11	12 46.49	− 7 49.8	1.918	2.793	12.5	20.7

9082 Leonardmartin 4 9.0 248.°39 8.°1/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 44.08	+21 13.1	2.785	3.567	11.1	19.7
3 12	13 37.79	+22 12.4	2.694	3.542	9.6	19.5
3 22	13 29.55	+23 3.9	2.627	3.517	8.5	19.4
4 1	13 19.87	+23 41.0	2.588	3.491	8.1	19.3
4 11	13 9.48	+23 58.4	2.576	3.464	8.9	19.4
4 21	12 59.19	+23 52.9	2.591	3.436	10.4	19.4
5 1	12 49.80	+23 23.9	2.630	3.407	12.3	19.5
5 11	12 41.97	+22 33.1	2.691	3.378	14.1	19.6

225868 2001 XE_{229} 4 9.1 60.°02 0.°5/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 31.34	− 7 9.5	2.984	3.778	10.2	20.9
3 12	13 27.65	− 6 50.1	2.903	3.788	7.8	20.8
3 22	13 22.62	− 6 23.9	2.847	3.799	5.2	20.6
4 1	13 16.65	− 5 53.3	2.818	3.809	2.3	20.4
4 11	13 10.29	− 5 21.3	2.819	3.820	0.9	20.3
4 21	13 4.08	− 4 51.3	2.850	3.831	3.8	20.5
5 1	12 58.57	− 4 26.1	2.908	3.841	6.5	20.7
5 11	12 54.19	− 4 8.4	2.993	3.852	9.0	20.9

7252 Kakegawa 4 9.1 232.°98 4.°4/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.56	+ 4 33.3	2.394	3.203	11.9	18.5
3 12	13 34.49	+ 5 17.6	2.297	3.188	9.3	18.3
3 22	13 27.47	+ 6 4.1	2.223	3.172	6.6	18.1
4 1	13 18.96	+ 6 47.8	2.178	3.155	4.6	18.0
4 11	13 9.71	+ 7 23.2	2.162	3.138	5.0	18.0
4 21	13 0.53	+ 7 45.8	2.174	3.119	7.5	18.1
5 1	12 52.25	+ 7 52.7	2.214	3.100	10.5	18.2
5 11	12 45.53	+ 7 42.7	2.276	3.081	13.2	18.4

333205 2012 HA 4 9.1 334.°59 9.°5/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 59.08	+13 4.8	1.072	1.897	22.2	19.9
3 12	13 52.01	+12 59.1	1.002	1.895	18.2	19.6
3 22	13 40.37	+12 39.8	0.951	1.893	13.8	19.4
4 1	13 25.12	+11 56.2	0.921	1.892	10.2	19.2
4 11	13 8.23	+10 40.7	0.915	1.890	10.0	19.1
4 21	12 52.00	+ 8 53.4	0.934	1.889	13.5	19.3
5 1	12 38.55	+ 6 40.3	0.977	1.888	18.2	19.6
5 11	12 29.12	+ 4 10.5	1.040	1.888	22.6	19.8

477787 2011 BU_{70} 4 9.1 100.°32 0.°8/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 30.39	−13 7.4	3.355	4.123	9.7	22.2
3 12	13 26.81	−12 48.3	3.268	4.134	7.6	22.1
3 22	13 22.01	−12 20.1	3.206	4.145	5.2	21.9
4 1	13 16.37	−11 44.6	3.171	4.156	2.7	21.8
4 11	13 10.37	−11 4.3	3.166	4.166	0.8	21.6
4 21	13 4.51	−10 22.3	3.190	4.177	3.0	21.8
5 1	12 59.26	− 9 41.9	3.245	4.187	5.5	22.0
5 11	12 55.02	− 9 6.1	3.325	4.198	7.8	22.2

515774 2015 KX_{38} 4 9.1 62.°78 1.°5/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 32.19	−16 32.6	2.168	2.943	14.1	20.8
3 12	13 28.86	−15 53.0	2.091	2.959	11.2	20.7
3 22	13 23.66	−14 56.2	2.037	2.975	7.8	20.5
4 1	13 17.18	−13 45.1	2.008	2.991	4.2	20.3
4 11	13 10.17	−12 24.7	2.008	3.008	1.5	20.1
4 21	13 3.45	−11 1.2	2.036	3.024	4.2	20.3
5 1	12 57.75	− 9 41.5	2.092	3.041	7.7	20.6
5 11	12 53.63	− 8 31.5	2.174	3.057	10.9	20.8

315966 2008 WA_{97} 4 9.1 295.°98 17.°2/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.51	−43 37.7	1.200	1.872	28.1	20.0
3 12	13 35.41	−45 10.5	1.121	1.868	26.2	19.8
3 22	13 29.95	−46 2.6	1.052	1.864	23.8	19.6
4 1	13 20.67	−46 1.3	0.996	1.860	21.2	19.4
4 11	13 9.25	−44 57.6	0.954	1.857	18.8	19.2
4 21	12 57.99	−42 50.4	0.930	1.853	17.4	19.1
5 1	12 49.21	−39 50.5	0.925	1.850	17.6	19.1
5 11	12 44.47	−36 19.3	0.939	1.847	19.4	19.2

435301 2007 TD_{452} 4 9.1 89.°00 6.°4/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.11	+11 16.4	2.223	3.040	12.4	21.0
3 12	13 33.30	+12 2.1	2.157	3.046	9.9	20.8
3 22	13 26.56	+12 44.1	2.115	3.051	7.7	20.7
4 1	13 18.48	+13 16.3	2.099	3.057	6.4	20.6
4 11	13 9.87	+13 33.4	2.110	3.063	7.0	20.7
4 21	13 1.56	+13 32.2	2.149	3.068	9.1	20.8
5 1	12 54.33	+13 11.6	2.212	3.074	11.5	21.0
5 11	12 48.76	+12 32.8	2.298	3.080	13.8	21.1

327380 2005 UG_{349} 4 9.1 191.°65 3.°6/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 56.04	−10 51.1	1.276	2.065	21.3	20.8
3 12	13 49.49	−12 14.7	1.190	2.064	17.3	20.6
3 22	13 38.78	−13 30.0	1.123	2.064	12.4	20.3
4 1	13 24.55	−14 33.3	1.079	2.062	7.0	20.0
4 11	13 8.32	−15 22.1	1.062	2.060	3.6	19.7
4 21	12 52.13	−15 56.6	1.073	2.058	7.7	20.0
5 1	12 38.03	−16 20.7	1.109	2.054	13.2	20.3
5 11	12 27.49	−16 41.2	1.167	2.051	18.2	20.5

302193 2001 UA 4 9.1 246.°64 2.°6/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.89	− 3 12.8	1.808	2.616	15.2	21.7
3 12	13 37.13	− 2 41.0	1.703	2.597	11.9	21.4
3 22	13 29.71	− 1 59.4	1.621	2.576	8.0	21.2
4 1	13 20.17	− 1 12.7	1.565	2.555	3.9	20.9
4 11	13 9.43	− 0 26.9	1.537	2.533	3.2	20.8
4 21	12 58.65	+ 0 11.4	1.537	2.510	7.3	21.0
5 1	12 49.02	+ 0 36.6	1.563	2.486	11.8	21.2
5 11	12 41.49	+ 0 44.8	1.612	2.461	15.8	21.4

35145 1993 AM 4 9.1 60.°10 6.°7/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.28	−25 47.1	1.770	2.504	18.2	18.4
3 12	13 34.34	−26 29.4	1.693	2.517	15.5	18.2
3 22	13 27.76	−26 48.9	1.634	2.530	12.3	18.0
4 1	13 19.19	−26 43.1	1.598	2.544	9.2	17.9
4 11	13 9.70	−26 12.6	1.586	2.558	7.0	17.8
4 21	13 0.49	−25 21.6	1.600	2.572	7.2	17.8
5 1	12 52.69	−24 17.7	1.639	2.586	9.6	18.0
5 11	12 47.16	−23 9.8	1.702	2.600	12.6	18.2

83786 2001 TT_{203} 4 9.1 132.°43 4.°2/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.89	+ 5 2.7	2.500	3.314	11.3	19.9
3 12	13 31.38	+ 5 48.1	2.428	3.323	8.7	19.7
3 22	13 25.20	+ 6 34.4	2.382	3.331	6.2	19.6
4 1	13 17.86	+ 7 16.7	2.363	3.339	4.4	19.5
4 11	13 10.05	+ 7 50.2	2.372	3.346	4.8	19.5
4 21	13 2.47	+ 8 11.2	2.410	3.353	7.0	19.7
5 1	12 55.80	+ 8 17.4	2.475	3.360	9.6	19.8
5 11	12 50.55	+ 8 8.4	2.563	3.367	11.9	20.0

171883 2001 QH_{328} 4 9.1 82.°20 4.°8/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 34.41	+ 5 19.3	2.393	3.213	11.5	19.6
3 12	13 30.19	+ 6 37.1	2.343	3.240	8.9	19.5
3 22	13 24.35	+ 7 55.4	2.319	3.267	6.4	19.4
4 1	13 17.44	+ 9 8.1	2.322	3.294	4.9	19.3
4 11	13 10.17	+10 9.3	2.355	3.320	5.5	19.4
4 21	13 3.23	+10 54.8	2.415	3.346	7.6	19.6
5 1	12 57.27	+11 22.1	2.501	3.371	10.0	19.8
5 11	12 52.74	+11 31.1	2.609	3.397	12.2	20.0

196907 2003 TC_{19} 4 9.1 194.°07 0.°2/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.29	−10 50.6	2.317	3.103	12.9	21.0
3 12	13 31.23	−10 26.3	2.223	3.102	10.1	20.8
3 22	13 25.30	− 9 50.0	2.153	3.100	6.9	20.6
4 1	13 17.99	− 9 4.1	2.109	3.098	3.2	20.4
4 11	13 10.02	− 8 12.8	2.094	3.095	0.7	20.2
4 21	13 2.19	− 7 20.9	2.108	3.093	4.5	20.5
5 1	12 55.28	− 6 33.6	2.150	3.090	8.1	20.7
5 11	12 49.91	− 5 55.3	2.217	3.086	11.3	20.9

505329 2013 AC_{6} 4 9.1 174.°77 2.°3/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 33.70	−18 1.8	2.603	3.356	12.5	22.3
3 12	13 29.84	−17 48.8	2.506	3.357	10.1	22.1
3 22	13 24.29	−17 21.3	2.432	3.358	7.4	21.9
4 1	13 17.51	−16 40.3	2.384	3.359	4.4	21.7
4 11	13 10.14	−15 48.6	2.364	3.360	2.3	21.6
4 21	13 2.92	−14 50.4	2.374	3.360	3.9	21.7
5 1	12 56.52	−13 50.6	2.412	3.360	6.9	21.9
5 11	12 51.51	−12 54.6	2.476	3.360	9.7	22.0

302838 2003 FB_{55} 4 9.1 1.°72 5.°3/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.52	+ 3 50.4	1.829	2.667	13.8	19.5
3 12	13 28.70	+ 4 54.1	1.757	2.666	10.7	19.3
3 22	13 23.77	+ 6 1.2	1.709	2.665	7.6	19.1
4 1	13 17.32	+ 7 4.7	1.686	2.666	5.4	19.0
4 11	13 10.19	+ 7 57.1	1.690	2.667	6.1	19.0
4 21	13 3.31	+ 8 32.5	1.720	2.668	8.9	19.2
5 1	12 57.53	+ 8 47.4	1.773	2.671	12.1	19.4
5 11	12 53.52	+ 8 41.0	1.848	2.674	15.0	19.6

110774 2001 UT_{29} 4 9.1 280.°84 5.°9/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 41.24	+ 6 44.5	1.743	2.567	15.0	19.3
3 12	13 36.41	+ 7 18.4	1.664	2.562	11.8	19.1
3 22	13 29.04	+ 7 51.8	1.608	2.558	8.6	18.9
4 1	13 19.76	+ 8 18.0	1.577	2.553	6.2	18.7
4 11	13 9.60	+ 8 30.5	1.573	2.548	6.6	18.7
4 21	12 59.71	+ 8 24.7	1.595	2.544	9.5	18.9
5 1	12 51.15	+ 7 58.8	1.642	2.539	12.9	19.1
5 11	12 44.75	+ 7 13.3	1.711	2.534	16.1	19.3

326429 2001 TF_{207} 4 9.1 341.°03 0.°6/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 40.27	− 7 33.6	1.418	2.236	18.1	19.7
3 12	13 36.47	− 8 8.5	1.332	2.228	14.4	19.5
3 22	13 29.57	− 8 34.2	1.266	2.220	9.8	19.2
4 1	13 20.19	− 8 51.6	1.223	2.213	4.7	18.9
4 11	13 9.49	− 9 3.4	1.205	2.207	1.1	18.6
4 21	12 58.88	− 9 13.1	1.213	2.202	6.4	18.9
5 1	12 49.80	− 9 25.1	1.246	2.197	11.6	19.2
5 11	12 43.31	− 9 43.7	1.301	2.193	16.1	19.4

507424 2012 QT_{28} 4 9.1 271.°69 1.°7/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 34.44	−15 33.5	2.105	2.881	14.4	22.4
3 12	13 31.02	−15 13.1	1.992	2.861	11.6	22.2
3 22	13 25.44	−14 35.6	1.902	2.840	8.3	21.9
4 1	13 18.17	−13 42.1	1.836	2.820	4.5	21.7
4 11	13 9.98	−12 36.3	1.799	2.799	1.7	21.4
4 21	13 1.79	−11 23.7	1.789	2.777	4.7	21.6
5 1	12 54.52	−10 11.3	1.808	2.756	8.8	21.8
5 11	12 48.95	− 9 6.2	1.851	2.734	12.5	22.0

171276 2006 FP_{12} 4 9.1 293.°30 0.°8/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 41.82	− 5 34.0	1.449	2.267	17.8	20.1
3 12	13 37.66	− 5 45.4	1.358	2.255	14.0	19.8
3 22	13 30.38	− 5 47.6	1.288	2.244	9.5	19.5
4 1	13 20.57	− 5 43.2	1.241	2.232	4.3	19.2
4 11	13 9.40	− 5 36.4	1.220	2.221	1.6	19.0
4 21	12 58.27	− 5 32.2	1.225	2.210	7.0	19.3
5 1	12 48.64	− 5 35.5	1.255	2.199	12.2	19.5
5 11	12 41.59	− 5 50.4	1.307	2.188	16.8	19.8

430201 2013 TX_{137} 4 9.1 140.°37 2.°8/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.22	− 1 18.0	2.309	3.119	12.2	21.6
3 12	13 31.80	− 0 31.4	2.233	3.128	9.4	21.4
3 22	13 25.57	+ 0 20.9	2.182	3.137	6.2	21.3
4 1	13 18.08	+ 1 14.3	2.158	3.145	3.4	21.1
4 11	13 10.05	+ 2 3.5	2.163	3.153	3.3	21.1
4 21	13 2.25	+ 2 43.7	2.197	3.161	6.2	21.3
5 1	12 55.43	+ 3 11.3	2.258	3.168	9.3	21.5
5 11	12 50.15	+ 3 24.3	2.342	3.175	12.0	21.7

18040 1999 NC_{60} 4 9.1 147.°07 1.°7/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.01	−17 0.6	2.280	3.044	13.8	18.8
3 12	13 31.03	−16 26.1	2.191	3.052	11.0	18.6
3 22	13 25.15	−15 34.6	2.125	3.059	7.8	18.4
4 1	13 17.92	−14 28.2	2.085	3.066	4.3	18.2
4 11	13 10.09	−13 11.2	2.073	3.072	1.7	18.0
4 21	13 2.48	−11 49.7	2.091	3.078	4.2	18.2
5 1	12 55.86	−10 30.1	2.137	3.084	7.7	18.4
5 11	12 50.83	− 9 18.7	2.210	3.089	10.9	18.7

224981 2007 EJ_{80} 4 9.1 326.°41 0.°2/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.46	−10 15.6	1.737	2.543	15.8	20.5
3 12	13 32.05	−10 1.8	1.649	2.539	12.4	20.3
3 22	13 26.21	− 9 33.9	1.583	2.535	8.4	20.0
4 1	13 18.52	− 8 54.3	1.541	2.531	3.9	19.7
4 11	13 9.93	− 8 8.0	1.526	2.528	0.9	19.5
4 21	13 1.50	− 7 21.0	1.538	2.525	5.6	19.8
5 1	12 54.28	− 6 39.9	1.576	2.522	10.0	20.0
5 11	12 49.08	− 6 10.1	1.636	2.519	13.9	20.3

246902 1998 DT_{19} 4 9.1 28.°48 3.°8/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 41.34	−16 35.1	2.027	2.788	15.4	20.2
3 12	13 36.35	−17 28.9	1.939	2.793	12.6	20.0
3 22	13 28.97	−18 10.2	1.874	2.799	9.3	19.8
4 1	13 19.76	−18 37.5	1.833	2.805	5.9	19.6
4 11	13 9.65	−18 51.0	1.820	2.811	3.8	19.5
4 21	12 59.67	−18 52.8	1.836	2.818	5.4	19.6
5 1	12 50.86	−18 47.0	1.879	2.825	8.6	19.8
5 11	12 44.01	−18 38.8	1.946	2.832	11.8	20.0

470481 2008 BN_{4} 4 9.1 192.°03 3.°6/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.09	−20 14.3	2.533	3.272	13.2	21.6
3 12	13 31.84	−20 32.0	2.434	3.271	10.9	21.4
3 22	13 25.73	−20 35.3	2.357	3.271	8.2	21.2
4 1	13 18.22	−20 23.9	2.305	3.270	5.5	21.0
4 11	13 10.03	−19 59.3	2.281	3.269	3.6	20.9
4 21	13 1.92	−19 24.3	2.286	3.267	4.6	21.0
5 1	12 54.69	−18 43.4	2.319	3.266	7.2	21.1
5 11	12 48.95	−18 2.0	2.378	3.264	10.0	21.3

329033 2011 AV_{30} 4 9.1 36.°81 0.°6/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.16	−11 36.6	2.781	3.563	11.1	21.3
3 12	13 27.70	−11 22.8	2.696	3.571	8.7	21.1
3 22	13 22.77	−10 59.4	2.634	3.578	5.9	20.9
4 1	13 16.80	−10 28.1	2.599	3.586	2.9	20.7
4 11	13 10.38	− 9 52.1	2.592	3.594	0.7	20.6
4 21	13 4.12	− 9 14.8	2.616	3.602	3.6	20.8
5 1	12 58.58	− 8 39.9	2.667	3.610	6.5	21.0
5 11	12 54.27	− 8 10.9	2.744	3.619	9.2	21.2

302120 2001 QO_{13} 4 9.1 224.°80 1.°0/ 9.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 41.04	−12 7.1	1.841	2.626	15.8	21.8
3 12	13 36.43	−11 57.1	1.740	2.616	12.6	21.5
3 22	13 29.22	−11 31.9	1.659	2.604	8.8	21.3
4 1	13 19.96	−10 53.0	1.604	2.591	4.3	21.0
4 11	13 9.60	−10 4.4	1.577	2.578	1.1	20.7
4 21	12 59.27	− 9 11.8	1.577	2.564	5.5	21.0
5 1	12 50.13	− 8 22.2	1.605	2.549	10.0	21.2
5 11	12 43.07	− 7 41.8	1.657	2.533	14.1	21.4

136937 1998 QT_{28} 4 9.1 283.°46 3.°2/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.75	−17 27.7	1.653	2.436	17.4	20.3
3 12	13 32.64	−17 29.7	1.556	2.425	14.2	20.1
3 22	13 26.84	−17 11.3	1.478	2.414	10.4	19.8
4 1	13 18.91	−16 32.3	1.424	2.403	6.2	19.6
4 11	13 9.85	−15 36.0	1.395	2.392	3.2	19.3
4 21	13 0.85	−14 28.4	1.392	2.381	5.7	19.5
5 1	12 53.11	−13 18.1	1.416	2.370	10.1	19.7
5 11	12 47.58	−12 13.9	1.462	2.359	14.3	19.9

301022 2008 SZ_{28} 4 9.1 305.°47 1.°7/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 33.34	−14 13.6	1.242	2.062	20.0	21.3
3 12	13 31.60	−14 0.4	1.149	2.044	16.2	21.0
3 22	13 26.64	−13 22.7	1.074	2.026	11.4	20.7
4 1	13 18.99	−12 21.2	1.021	2.009	5.9	20.3
4 11	13 9.82	−11 1.6	0.991	1.992	1.8	20.0
4 21	13 0.61	− 9 33.7	0.984	1.975	6.9	20.3
5 1	12 52.94	− 8 9.8	1.001	1.959	12.8	20.5
5 11	12 48.02	− 7 1.1	1.038	1.943	18.1	20.8

119296 2001 SD_{10} 4 9.1 116.°50 1.°6/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.53	−16 51.1	2.035	2.806	15.0	20.0
3 12	13 31.60	−16 7.2	1.955	2.820	11.9	19.8
3 22	13 25.60	−15 4.4	1.896	2.834	8.4	19.6
4 1	13 18.14	−13 45.4	1.864	2.847	4.5	19.4
4 11	13 10.08	−12 15.7	1.860	2.860	1.6	19.2
4 21	13 2.32	−10 42.7	1.884	2.872	4.6	19.5
5 1	12 55.70	− 9 13.9	1.937	2.884	8.4	19.7
5 11	12 50.85	− 7 56.1	2.016	2.896	11.8	19.9

170343 2003 SN_{156} 4 9.1 135.°72 0.°6/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.17	−11 5.5	1.688	2.486	16.5	20.4
3 12	13 34.93	−10 54.9	1.608	2.492	13.0	20.2
3 22	13 28.12	−10 29.4	1.548	2.497	8.9	19.9
4 1	13 19.39	− 9 51.3	1.513	2.502	4.2	19.7
4 11	13 9.77	− 9 5.6	1.505	2.506	0.9	19.4
4 21	13 0.41	− 8 18.4	1.524	2.511	5.6	19.8
5 1	12 52.42	− 7 36.3	1.569	2.515	10.1	20.0
5 11	12 46.60	− 7 5.0	1.638	2.519	14.0	20.3

18779 Hattyhong 4 9.1 49.°01 2.°0/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.81	− 4 4.7	1.392	2.217	17.9	17.7
3 12	13 36.64	− 3 55.5	1.320	2.223	14.0	17.4
3 22	13 29.47	− 3 36.7	1.269	2.228	9.3	17.2
4 1	13 20.05	− 3 12.7	1.242	2.233	4.3	16.9
4 11	13 9.62	− 2 49.6	1.240	2.239	2.6	16.8
4 21	12 59.55	− 2 33.5	1.264	2.245	7.4	17.1
5 1	12 51.14	− 2 29.4	1.312	2.251	12.2	17.4
5 11	12 45.30	− 2 40.1	1.382	2.258	16.4	17.7

392175 2009 KZ_{13} 4 9.1 127.°46 1.°5/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 31.75	−16 39.7	2.540	3.305	12.5	20.8
3 12	13 28.35	−16 2.8	2.448	3.309	10.0	20.6
3 22	13 23.30	−15 10.6	2.378	3.313	7.0	20.4
4 1	13 17.08	−14 5.2	2.335	3.317	3.8	20.2
4 11	13 10.33	−12 50.7	2.321	3.320	1.5	20.0
4 21	13 3.76	−11 32.2	2.336	3.324	3.8	20.2
5 1	12 58.01	−10 15.6	2.380	3.327	7.0	20.4
5 11	12 53.63	− 9 6.2	2.450	3.330	10.0	20.6

202615 2006 HR_{64} 4 9.1 127.°13 1.°2/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.05	− 6 37.3	2.216	3.018	12.9	21.2
3 12	13 31.03	− 5 58.0	2.136	3.026	10.0	21.0
3 22	13 25.14	− 5 8.9	2.080	3.034	6.6	20.8
4 1	13 17.93	− 4 14.0	2.051	3.042	2.9	20.6
4 11	13 10.14	− 3 18.3	2.051	3.050	1.8	20.5
4 21	13 2.57	− 2 27.1	2.079	3.057	5.3	20.7
5 1	12 56.00	− 1 45.3	2.135	3.064	8.7	21.0
5 11	12 50.99	− 1 16.2	2.215	3.071	11.8	21.2

505344 2013 AD_{157} 4 9.1 179.°76 1.°7/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 32.45	− 4 8.0	3.076	3.873	9.8	22.1
3 12	13 28.52	− 3 17.7	2.986	3.874	7.5	22.0
3 22	13 23.24	− 2 21.1	2.921	3.875	4.9	21.8
4 1	13 17.01	− 1 21.3	2.886	3.875	2.4	21.6
4 11	13 10.36	− 0 22.7	2.881	3.875	2.1	21.6
4 21	13 3.83	+ 0 31.0	2.906	3.875	4.6	21.8
5 1	12 57.96	+ 1 16.0	2.960	3.874	7.2	21.9
5 11	12 53.19	+ 1 49.9	3.039	3.872	9.5	22.1

127755 2003 FD_{28} 4 9.1 275.°36 1.°8/10.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.60	−13 49.8	1.542	2.340	17.8	20.9
3 12	13 34.36	−13 46.2	1.439	2.321	14.4	20.6
3 22	13 28.20	−13 23.5	1.356	2.302	10.2	20.3
4 1	13 19.63	−12 42.5	1.296	2.282	5.4	20.0
4 11	13 9.68	−11 47.0	1.262	2.263	1.8	19.7
4 21	12 59.65	−10 43.8	1.254	2.242	6.1	19.9
5 1	12 50.91	− 9 41.7	1.271	2.222	11.3	20.2
5 11	12 44.55	− 8 49.3	1.309	2.202	16.0	20.4

264752 2002 DJ_{7} 4 9.1 69.°18 8.°1/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.35	+12 22.3	1.700	2.525	15.2	19.9
3 12	13 36.17	+13 25.1	1.656	2.548	12.2	19.8
3 22	13 28.61	+14 21.6	1.635	2.571	9.6	19.6
4 1	13 19.45	+15 3.3	1.639	2.594	8.2	19.6
4 11	13 9.81	+15 23.6	1.668	2.617	8.9	19.7
4 21	13 0.77	+15 19.3	1.723	2.639	11.1	19.9
5 1	12 53.25	+14 50.6	1.801	2.662	13.7	20.1
5 11	12 47.89	+14 0.1	1.899	2.684	16.2	20.3

186112 2001 TR_{95} 4 9.1 224.°56 1.°5/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.09	−14 2.8	2.201	2.973	14.0	21.9
3 12	13 33.68	−13 55.6	2.096	2.963	11.2	21.7
3 22	13 27.13	−13 34.4	2.014	2.953	7.9	21.4
4 1	13 18.93	−13 0.3	1.958	2.942	4.2	21.2
4 11	13 9.89	−12 16.3	1.930	2.930	1.5	21.0
4 21	13 0.89	−11 27.1	1.931	2.918	4.6	21.2
5 1	12 52.85	−10 38.4	1.960	2.905	8.4	21.4
5 11	12 46.52	− 9 55.5	2.014	2.892	11.9	21.5

383272 2006 DZ_{104} 4 9.1 161.°45 3.°1/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.07	−17 57.1	2.341	3.090	13.9	21.4
3 12	13 34.24	−18 13.5	2.247	3.094	11.3	21.2
3 22	13 27.37	−18 15.8	2.176	3.099	8.3	21.0
4 1	13 18.99	−18 3.8	2.130	3.102	5.2	20.8
4 11	13 9.88	−17 39.4	2.113	3.106	3.1	20.7
4 21	13 0.91	−17 5.8	2.125	3.109	4.6	20.8
5 1	12 52.93	−16 28.0	2.165	3.111	7.6	21.0
5 11	12 46.62	−15 51.2	2.230	3.113	10.7	21.2

5156 Golant 4 9.1 295.°78 3.°9/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.62	− 2 20.7	1.506	2.341	16.3	17.5
3 12	13 31.91	− 1 22.2	1.411	2.320	12.8	17.2
3 22	13 26.46	− 0 10.6	1.338	2.299	8.6	16.9
4 1	13 18.79	+ 1 7.3	1.288	2.277	4.7	16.6
4 11	13 9.90	+ 2 22.3	1.264	2.256	4.8	16.6
4 21	13 1.02	+ 3 25.1	1.265	2.235	9.0	16.8
5 1	12 53.39	+ 4 7.7	1.290	2.214	13.7	17.0
5 11	12 48.02	+ 4 26.1	1.336	2.193	17.9	17.2

56502 2000 GY_{158} 4 9.1 212.°92 1.°8/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.16	− 5 20.0	2.146	2.949	13.3	19.9
3 12	13 32.87	− 4 38.0	2.052	2.942	10.3	19.7
3 22	13 26.52	− 3 45.9	1.981	2.935	6.8	19.4
4 1	13 18.62	− 2 47.8	1.937	2.927	3.2	19.2
4 11	13 9.97	− 1 49.4	1.921	2.919	2.3	19.1
4 21	13 1.44	− 0 56.4	1.935	2.910	5.9	19.3
5 1	12 53.90	− 0 14.0	1.976	2.900	9.6	19.5
5 11	12 48.03	+ 0 14.1	2.041	2.890	12.9	19.7

380435 2003 SZ_{86} 4 9.1 207.°08 0.°2/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.06	− 7 42.4	2.290	3.079	13.0	20.9
3 12	13 34.21	− 7 39.6	2.194	3.075	10.2	20.7
3 22	13 27.35	− 7 28.4	2.122	3.071	6.8	20.5
4 1	13 19.00	− 7 10.6	2.077	3.067	3.1	20.2
4 11	13 9.90	− 6 49.7	2.061	3.062	0.9	20.0
4 21	13 0.92	− 6 29.2	2.074	3.057	4.7	20.3
5 1	12 52.89	− 6 13.1	2.115	3.052	8.4	20.5
5 11	12 46.48	− 6 4.8	2.182	3.046	11.6	20.7

496976 2002 QH_{100} 4 9.1 232.°60 1.°3/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.19	− 6 43.0	2.023	2.824	14.0	23.0
3 12	13 33.89	− 6 9.2	1.923	2.811	11.0	22.7
3 22	13 27.34	− 5 24.0	1.845	2.798	7.3	22.5
4 1	13 19.06	− 4 30.9	1.794	2.785	3.3	22.2
4 11	13 9.88	− 3 35.3	1.771	2.771	1.9	22.1
4 21	13 0.76	− 2 43.2	1.777	2.756	5.9	22.3
5 1	12 52.66	− 2 0.5	1.810	2.740	10.0	22.5
5 11	12 46.37	− 1 31.4	1.867	2.724	13.6	22.7

351537 2005 SP_{212} 4 9.1 223.°05 0.°2/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 32.82	−11 6.4	2.965	3.742	10.6	22.1
3 12	13 28.97	−10 37.8	2.860	3.733	8.3	21.9
3 22	13 23.65	− 9 59.2	2.779	3.724	5.6	21.7
4 1	13 17.25	− 9 12.6	2.725	3.714	2.7	21.5
4 11	13 10.34	− 8 21.3	2.702	3.703	0.6	21.3
4 21	13 3.49	− 7 29.2	2.708	3.693	3.7	21.5
5 1	12 57.30	− 6 40.4	2.744	3.682	6.7	21.7
5 11	12 52.28	− 5 58.5	2.806	3.670	9.3	21.9

142639 2002 TO_{186} 4 9.1 160.°02 2.°1/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.96	−16 22.9	1.907	2.681	15.7	20.3
3 12	13 33.00	−16 4.8	1.819	2.685	12.6	20.1
3 22	13 26.74	−15 28.4	1.752	2.689	9.0	19.9
4 1	13 18.76	−14 35.1	1.710	2.692	5.0	19.6
4 11	13 9.98	−13 29.1	1.696	2.695	2.1	19.4
4 21	13 1.42	−12 17.0	1.709	2.697	4.9	19.6
5 1	12 54.04	−11 6.1	1.750	2.699	8.9	19.9
5 11	12 48.59	−10 3.4	1.815	2.701	12.6	20.1

505915 2015 EO_{28} 4 9.1 258.°07 1.°3/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.17	− 6 57.7	2.005	2.814	13.9	21.5
3 12	13 30.69	− 6 16.3	1.915	2.809	10.8	21.3
3 22	13 25.13	− 5 23.1	1.848	2.804	7.1	21.1
4 1	13 18.02	− 4 22.2	1.807	2.799	3.2	20.8
4 11	13 10.16	− 3 19.5	1.794	2.793	1.9	20.7
4 21	13 2.45	− 2 21.2	1.809	2.788	5.8	21.0
5 1	12 55.77	− 1 33.1	1.851	2.783	9.7	21.2
5 11	12 50.79	− 0 59.4	1.916	2.778	13.1	21.4

463181 2012 BE_{107} 4 9.1 337.°95 2.°7/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.87	−13 49.7	1.295	2.112	19.5	21.1
3 12	13 31.82	−14 10.7	1.208	2.101	15.8	20.8
3 22	13 26.66	−14 12.7	1.140	2.090	11.3	20.5
4 1	13 18.98	−13 55.9	1.094	2.080	6.2	20.2
4 11	13 9.92	−13 23.5	1.071	2.071	2.7	19.9
4 21	13 0.92	−12 41.7	1.072	2.062	6.5	20.1
5 1	12 53.45	−11 59.1	1.096	2.055	11.7	20.4
5 11	12 48.63	−11 24.4	1.140	2.050	16.5	20.6

108089 2001 FE_{175} 4 9.1 291.°90 3.°5/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 32.51	− 1 42.0	1.967	2.792	13.5	19.5
3 12	13 29.49	− 0 35.4	1.874	2.778	10.4	19.2
3 22	13 24.40	+ 0 40.8	1.805	2.764	7.0	19.0
4 1	13 17.72	+ 2 0.6	1.762	2.749	4.0	18.8
4 11	13 10.24	+ 3 16.7	1.747	2.735	4.3	18.8
4 21	13 2.86	+ 4 21.8	1.759	2.721	7.6	18.9
5 1	12 56.46	+ 5 10.2	1.796	2.707	11.2	19.1
5 11	12 51.75	+ 5 38.5	1.856	2.694	14.5	19.3

286230 2001 UP_{160} 4 9.1 123.°39 1.°7/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.36	− 3 38.6	2.558	3.359	11.4	20.9
3 12	13 30.99	− 3 10.0	2.479	3.369	8.8	20.7
3 22	13 25.00	− 2 35.4	2.425	3.379	5.8	20.5
4 1	13 17.86	− 1 58.1	2.399	3.389	2.7	20.3
4 11	13 10.24	− 1 22.3	2.402	3.398	2.1	20.3
4 21	13 2.82	− 0 51.7	2.434	3.407	5.0	20.5
5 1	12 56.27	− 0 29.7	2.494	3.416	8.0	20.7
5 11	12 51.10	− 0 18.5	2.579	3.425	10.7	20.9

508110 2015 DL_{179} 4 9.1 335.°38 10.°2/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.82	−34 7.1	1.836	2.521	19.2	20.7
3 12	13 32.91	−35 12.3	1.741	2.514	17.1	20.5
3 22	13 27.18	−35 52.3	1.662	2.508	14.8	20.3
4 1	13 19.16	−36 1.9	1.602	2.503	12.4	20.2
4 11	13 9.89	−35 38.3	1.565	2.498	10.6	20.0
4 21	13 0.63	−34 43.3	1.551	2.493	10.2	20.0
5 1	12 52.72	−33 23.3	1.560	2.489	11.4	20.0
5 11	12 47.16	−31 48.7	1.593	2.485	13.7	20.2

461836 2006 CH 4 9.1 92.°19 7.°9/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 55.50	−25 25.9	1.694	2.402	19.8	21.7
3 12	13 47.87	−26 56.7	1.629	2.434	16.8	21.6
3 22	13 36.91	−28 5.9	1.583	2.466	13.4	21.4
4 1	13 23.46	−28 47.9	1.561	2.497	10.2	21.3
4 11	13 8.92	−29 0.5	1.565	2.527	8.1	21.3
4 21	12 54.89	−28 46.3	1.597	2.557	8.5	21.3
5 1	12 42.84	−28 12.5	1.656	2.585	10.8	21.5
5 11	12 33.74	−27 29.1	1.739	2.612	13.7	21.8

91039 1998 FA_{10} 4 9.1 81.°01 4.°6/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.60	−18 34.9	1.886	2.641	16.5	18.9
3 12	13 37.59	−19 27.6	1.798	2.646	13.7	18.7
3 22	13 29.97	−20 5.2	1.731	2.651	10.3	18.5
4 1	13 20.32	−20 25.7	1.689	2.656	6.8	18.3
4 11	13 9.65	−20 29.4	1.673	2.661	4.6	18.1
4 21	12 59.11	−20 18.6	1.685	2.665	6.0	18.2
5 1	12 49.85	−19 58.4	1.724	2.670	9.2	18.4
5 11	12 42.75	−19 35.4	1.787	2.675	12.6	18.6

426920 2013 WZ_{98} 4 9.1 77.°57 2.°0/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.35	− 3 49.7	1.969	2.782	13.9	21.2
3 12	13 32.34	− 3 21.5	1.888	2.785	10.7	21.0
3 22	13 26.20	− 2 45.2	1.830	2.787	7.1	20.8
4 1	13 18.50	− 2 5.1	1.798	2.789	3.4	20.5
4 11	13 10.10	− 1 26.3	1.794	2.791	2.6	20.5
4 21	13 1.91	− 0 54.2	1.818	2.793	6.1	20.7
5 1	12 54.83	− 0 33.0	1.868	2.796	9.9	20.9
5 11	12 49.52	− 0 25.5	1.941	2.798	13.2	21.1

162606 2000 SR_{77} 4 9.1 132.°86 1.°2/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.96	− 8 47.3	1.644	2.455	16.3	20.6
3 12	13 33.21	− 7 53.1	1.568	2.463	12.7	20.4
3 22	13 26.96	− 6 43.0	1.514	2.470	8.4	20.1
4 1	13 18.89	− 5 22.1	1.485	2.476	3.7	19.9
4 11	13 10.01	− 3 58.3	1.483	2.483	2.0	19.8
4 21	13 1.45	− 2 40.0	1.508	2.489	6.5	20.1
5 1	12 54.24	− 1 35.1	1.559	2.494	10.9	20.3
5 11	12 49.15	− 0 48.7	1.633	2.499	14.7	20.6

115870 2003 UZ_{278} 4 9.1 91.°60 1.°1/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.99	− 7 3.2	2.099	2.903	13.5	20.0
3 12	13 31.09	− 6 26.5	2.023	2.914	10.4	19.8
3 22	13 25.24	− 5 39.5	1.971	2.926	6.8	19.6
4 1	13 18.02	− 4 46.1	1.945	2.937	3.0	19.4
4 11	13 10.22	− 3 51.7	1.948	2.948	1.7	19.3
4 21	13 2.68	− 3 1.7	1.979	2.959	5.3	19.6
5 1	12 56.19	− 2 21.1	2.037	2.970	8.9	19.8
5 11	12 51.35	− 1 53.2	2.119	2.980	12.1	20.0

338154 2002 QN_{142} 4 9.1 175.°79 0.°2/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.81	−11 46.2	2.541	3.322	12.1	22.3
3 12	13 29.93	−11 5.3	2.448	3.324	9.5	22.1
3 22	13 24.37	−10 12.0	2.379	3.325	6.4	21.9
4 1	13 17.61	− 9 9.0	2.338	3.326	3.0	21.7
4 11	13 10.31	− 8 0.7	2.325	3.327	0.6	21.5
4 21	13 3.16	− 6 52.3	2.343	3.327	4.2	21.7
5 1	12 56.84	− 5 49.0	2.389	3.327	7.5	21.9
5 11	12 51.89	− 4 55.3	2.461	3.326	10.4	22.1

215747 2004 EU_{82} 4 9.1 270.°63 1.°7/ 7.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 31.55	− 6 37.8	2.252	3.060	12.5	20.7
3 12	13 28.42	− 5 33.6	2.160	3.054	9.7	20.5
3 22	13 23.50	− 4 17.7	2.092	3.049	6.3	20.3
4 1	13 17.26	− 2 54.6	2.052	3.043	2.9	20.1
4 11	13 10.40	− 1 30.8	2.041	3.038	2.3	20.0
4 21	13 3.67	− 0 12.7	2.058	3.032	5.7	20.2
5 1	12 57.81	+ 0 53.8	2.103	3.026	9.2	20.4
5 11	12 53.43	+ 1 44.7	2.171	3.021	12.3	20.6

129775 1999 JU_{11} 4 9.1 42.°51 21.°9/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 50.40	+40 6.3	1.145	1.925	23.8	17.8
3 12	13 44.48	+41 53.7	1.146	1.948	22.6	17.8
3 22	13 34.48	+42 58.6	1.161	1.972	22.0	17.9
4 1	13 22.06	+43 9.0	1.190	1.997	22.0	17.9
4 11	13 9.39	+42 21.2	1.234	2.023	22.5	18.1
4 21	12 58.39	+40 39.9	1.292	2.050	23.4	18.2
5 1	12 50.38	+38 15.1	1.365	2.077	24.5	18.4
5 11	12 45.84	+35 19.4	1.449	2.104	25.4	18.6

457252 2008 QQ_{28} 4 9.1 219.°95 2.°1/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.78	− 5 41.6	1.681	2.493	16.0	22.1
3 12	13 35.56	− 4 56.6	1.590	2.485	12.5	21.8
3 22	13 28.69	− 3 58.3	1.520	2.476	8.3	21.6
4 1	13 19.77	− 2 51.7	1.476	2.467	3.8	21.3
4 11	13 9.80	− 1 44.0	1.459	2.457	2.8	21.2
4 21	12 59.95	− 0 43.0	1.470	2.446	7.2	21.4
5 1	12 51.38	+ 0 4.1	1.506	2.434	11.7	21.6
5 11	12 45.00	+ 0 32.8	1.565	2.422	15.7	21.9

507506 2012 UA_{179} 4 9.1 182.°30 3.°7/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.41	+ 3 9.3	2.530	3.341	11.2	21.9
3 12	13 31.87	+ 3 48.2	2.448	3.341	8.7	21.8
3 22	13 25.63	+ 4 29.4	2.390	3.341	6.0	21.6
4 1	13 18.19	+ 5 8.3	2.360	3.341	3.9	21.4
4 11	13 10.20	+ 5 40.4	2.360	3.341	4.2	21.5
4 21	13 2.38	+ 6 1.7	2.388	3.340	6.5	21.6
5 1	12 55.43	+ 6 9.8	2.443	3.338	9.3	21.8
5 11	12 49.89	+ 6 3.6	2.522	3.337	11.8	21.9

189481 1999 UD_{38} 4 9.1 106.°06 0.°2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.19	−10 42.2	2.302	3.087	13.0	20.9
3 12	13 31.75	− 9 56.8	2.231	3.110	10.1	20.8
3 22	13 25.54	− 8 59.4	2.184	3.132	6.7	20.6
4 1	13 18.11	− 7 53.3	2.164	3.154	3.0	20.4
4 11	13 10.22	− 6 43.9	2.173	3.175	0.8	20.2
4 21	13 2.65	− 5 36.8	2.212	3.195	4.5	20.5
5 1	12 56.09	− 4 37.2	2.280	3.215	7.9	20.8
5 11	12 51.09	− 3 49.2	2.372	3.234	10.9	21.0

196729 2003 SU_{119} 4 9.1 229.°33 0.°9/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.42	−12 0.8	2.196	2.979	13.6	21.1
3 12	13 32.34	−11 51.3	2.098	2.973	10.8	20.9
3 22	13 26.21	−11 29.2	2.022	2.966	7.5	20.6
4 1	13 18.54	−10 56.3	1.972	2.959	3.7	20.4
4 11	13 10.10	−10 15.9	1.951	2.952	1.0	20.2
4 21	13 1.75	− 9 32.7	1.958	2.945	4.6	20.4
5 1	12 54.36	− 8 51.9	1.993	2.938	8.3	20.6
5 11	12 48.61	− 8 18.3	2.053	2.930	11.7	20.8

301689 2010 FV_{88} 4 9.1 342.°25 3.°4/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 28.27	− 4 8.0	1.547	2.388	15.7	20.2
3 12	13 26.73	− 2 55.3	1.463	2.376	12.1	19.9
3 22	13 22.82	− 1 28.1	1.400	2.364	8.0	19.7
4 1	13 17.08	+ 0 6.6	1.362	2.353	4.2	19.4
4 11	13 10.44	+ 1 39.2	1.350	2.343	4.3	19.4
4 21	13 3.95	+ 2 59.8	1.363	2.334	8.3	19.6
5 1	12 58.64	+ 4 0.6	1.400	2.327	12.6	19.8
5 11	12 55.32	+ 4 37.1	1.458	2.320	16.4	20.0

93574 2000 UG_{43} 4 9.1 213.°93 1.°9/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.41	− 4 5.8	2.103	2.910	13.4	20.1
3 12	13 33.10	− 3 36.9	2.013	2.905	10.4	19.9
3 22	13 26.70	− 2 59.8	1.946	2.901	6.9	19.7
4 1	13 18.75	− 2 18.5	1.905	2.896	3.2	19.4
4 11	13 10.06	− 1 38.0	1.894	2.891	2.4	19.4
4 21	13 1.51	− 1 3.2	1.910	2.885	5.9	19.6
5 1	12 53.97	− 0 38.7	1.954	2.879	9.6	19.8
5 11	12 48.15	− 0 27.3	2.021	2.873	12.9	20.0

471434 2011 UB_{92} 4 9.1 249.°46 3.°3/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.68	−20 49.4	2.535	3.276	13.1	21.3
3 12	13 30.04	−20 48.7	2.429	3.268	10.8	21.1
3 22	13 24.59	−20 32.2	2.345	3.260	8.2	20.9
4 1	13 17.78	−19 59.8	2.286	3.252	5.4	20.7
4 11	13 10.29	−19 13.6	2.255	3.244	3.4	20.6
4 21	13 2.86	−18 17.3	2.253	3.236	4.4	20.6
5 1	12 56.26	−17 16.1	2.278	3.227	7.1	20.8
5 11	12 51.11	−16 15.8	2.330	3.219	10.0	20.9

197281 2003 WG_{103} 4 9.1 31.°75 2.°5/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.17	− 3 5.7	1.769	2.592	14.8	19.4
3 12	13 31.60	− 2 34.6	1.698	2.599	11.4	19.2
3 22	13 25.77	− 1 55.5	1.648	2.607	7.5	19.0
4 1	13 18.32	− 1 13.2	1.625	2.615	3.7	18.8
4 11	13 10.18	− 0 33.8	1.628	2.624	3.1	18.8
4 21	13 2.33	− 0 2.9	1.657	2.633	6.7	19.0
5 1	12 55.70	+ 0 15.2	1.713	2.642	10.5	19.2
5 11	12 50.99	+ 0 18.0	1.791	2.651	13.9	19.5

149469 2003 EL_{12} 4 9.1 35.°65 1.°9/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.06	−14 12.3	1.439	2.246	18.4	19.7
3 12	13 32.09	−14 6.9	1.372	2.258	14.7	19.5
3 22	13 26.39	−13 41.9	1.324	2.271	10.2	19.2
4 1	13 18.67	−12 59.3	1.299	2.285	5.4	19.0
4 11	13 10.10	−12 4.7	1.298	2.299	1.9	18.8
4 21	13 1.92	−11 5.6	1.324	2.314	5.7	19.1
5 1	12 55.27	−10 10.3	1.374	2.329	10.3	19.4
5 11	12 50.95	− 9 25.8	1.447	2.345	14.4	19.7

36821 2000 SY_{84} 4 9.1 136.°50 0.°8/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.81	− 6 51.9	2.939	3.728	10.4	20.5
3 12	13 29.61	− 6 18.7	2.857	3.740	8.0	20.3
3 22	13 24.00	− 5 38.2	2.800	3.751	5.3	20.1
4 1	13 17.41	− 4 53.3	2.772	3.762	2.3	20.0
4 11	13 10.41	− 4 7.4	2.773	3.773	1.2	19.9
4 21	13 3.59	− 3 24.5	2.805	3.783	4.1	20.1
5 1	12 57.50	− 2 47.8	2.865	3.793	6.8	20.3
5 11	12 52.59	− 2 20.2	2.952	3.802	9.3	20.5

249250 2008 RZ_{112} 4 9.1 218.°46 1.°6/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.85	−15 3.2	2.259	3.030	13.7	21.3
3 12	13 31.87	−14 49.3	2.159	3.024	11.0	21.1
3 22	13 25.89	−14 20.7	2.080	3.017	7.8	20.8
4 1	13 18.41	−13 38.6	2.028	3.011	4.2	20.6
4 11	13 10.18	−12 46.5	2.004	3.004	1.6	20.4
4 21	13 2.04	−11 49.1	2.009	2.996	4.4	20.6
5 1	12 54.83	−10 52.2	2.042	2.988	8.0	20.8
5 11	12 49.24	−10 1.5	2.100	2.980	11.3	21.0

74312 1998 UO_6 4 9.1 193.°54 1.°1/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.98	− 6 39.8	2.295	3.096	12.6	20.2
3 12	13 31.03	− 6 4.5	2.206	3.094	9.8	20.0
3 22	13 25.22	− 5 19.5	2.139	3.093	6.4	19.8
4 1	13 18.06	− 4 28.4	2.100	3.091	2.9	19.6
4 11	13 10.27	− 3 35.9	2.090	3.089	1.7	19.5
4 21	13 2.62	− 2 47.2	2.109	3.087	5.1	19.7
5 1	12 55.89	− 2 6.9	2.155	3.085	8.6	19.9
5 11	12 50.68	− 1 38.5	2.225	3.082	11.7	20.1

461546 2003 UE_{364} 4 9.1 259.°45 4.°6/ 5.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.24	+ 1 15.6	1.677	2.502	15.4	21.7
3 12	13 35.17	+ 2 2.6	1.587	2.489	12.0	21.4
3 22	13 28.47	+ 2 56.2	1.518	2.474	8.3	21.1
4 1	13 19.70	+ 3 50.0	1.475	2.460	5.1	20.9
4 11	13 9.86	+ 4 36.1	1.458	2.445	5.3	20.9
4 21	13 0.11	+ 5 7.6	1.468	2.430	8.9	21.1
5 1	12 51.62	+ 5 19.8	1.503	2.414	12.9	21.3
5 11	12 45.29	+ 5 10.7	1.559	2.399	16.7	21.5

472167 2014 DA_{38} 4 9.1 174.°77 1.°9/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.27	−15 14.7	2.725	3.483	11.9	21.9
3 12	13 31.79	−15 21.2	2.628	3.484	9.6	21.7
3 22	13 25.62	−15 16.5	2.555	3.486	6.8	21.6
4 1	13 18.22	−15 1.4	2.508	3.486	3.9	21.4
4 11	13 10.23	−14 37.7	2.490	3.487	1.9	21.2
4 21	13 2.34	−14 8.7	2.502	3.488	3.8	21.4
5 1	12 55.25	−13 38.0	2.542	3.488	6.7	21.5
5 11	12 49.51	−13 9.8	2.609	3.487	9.5	21.7

387121 2012 TN_{175} 4 9.1 284.°08 0.°5/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.94	−11 11.1	2.059	2.852	14.1	21.2
3 12	13 31.29	−10 55.7	1.967	2.849	11.1	21.0
3 22	13 25.56	−10 27.3	1.898	2.845	7.6	20.8
4 1	13 18.27	− 9 48.1	1.854	2.842	3.6	20.6
4 11	13 10.22	− 9 2.3	1.837	2.839	0.8	20.3
4 21	13 2.31	− 8 15.1	1.849	2.835	4.8	20.6
5 1	12 55.41	− 7 31.9	1.888	2.832	8.7	20.8
5 11	12 50.22	− 6 57.8	1.951	2.829	12.2	21.0

426734 2013 TF_{67} 4 9.1 94.°19 6.°1/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.11	−26 28.4	2.094	2.804	16.4	21.5
3 12	13 36.12	−27 4.8	2.018	2.826	13.9	21.4
3 22	13 28.77	−27 20.7	1.962	2.847	11.1	21.2
4 1	13 19.71	−27 14.2	1.928	2.868	8.3	21.1
4 11	13 9.90	−26 45.9	1.921	2.889	6.3	21.0
4 21	13 0.40	−25 59.6	1.941	2.909	6.5	21.1
5 1	12 52.18	−25 1.5	1.988	2.928	8.6	21.2
5 11	12 45.97	−23 59.3	2.060	2.948	11.2	21.4

51947 2001 QE_{215} 4 9.1 101.°88 2.°6/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.43	− 2 38.5	2.327	3.140	12.1	18.7
3 12	13 29.67	− 1 38.8	2.255	3.152	9.2	18.6
3 22	13 24.21	− 0 32.0	2.207	3.164	6.1	18.4
4 1	13 17.55	+ 0 36.8	2.187	3.176	3.2	18.2
4 11	13 10.41	+ 1 41.9	2.196	3.187	3.2	18.2
4 21	13 3.51	+ 2 37.9	2.234	3.199	6.0	18.4
5 1	12 57.54	+ 3 20.8	2.298	3.210	9.0	18.6
5 11	12 53.01	+ 3 48.2	2.387	3.221	11.8	18.8

320578 2008 AU_{115} 4 9.1 158.°18 2.°2/11.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.49	−15 33.2	1.917	2.690	15.7	21.9
3 12	13 34.99	−15 32.8	1.830	2.695	12.6	21.7
3 22	13 28.11	−15 16.0	1.763	2.699	9.0	21.5
4 1	13 19.46	−14 43.9	1.722	2.703	5.0	21.3
4 11	13 9.96	−13 59.5	1.709	2.707	2.2	21.1
4 21	13 0.66	−13 8.3	1.723	2.710	5.0	21.3
5 1	12 52.58	−12 16.8	1.765	2.713	8.9	21.5
5 11	12 46.49	−11 31.2	1.831	2.715	12.5	21.7

467373 2004 QX_{24} 4 9.1 153.°72 12.°3/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 51.68	+40 17.5	2.714	3.416	13.2	21.1
3 12	13 43.62	+41 29.0	2.687	3.426	12.6	21.1
3 22	13 33.33	+42 19.7	2.680	3.435	12.3	21.1
4 1	13 21.61	+42 42.9	2.695	3.444	12.5	21.1
4 11	13 9.51	+42 34.7	2.731	3.452	13.0	21.1
4 21	12 58.08	+41 55.0	2.788	3.459	13.8	21.2
5 1	12 48.20	+40 46.6	2.862	3.465	14.7	21.3
5 11	12 40.47	+39 14.3	2.953	3.471	15.6	21.4

234427 2001 RV_{132} 4 9.1 202.°37 0.°3/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 43.20	− 9 31.3	1.822	2.612	15.8	20.6
3 12	13 38.06	− 9 29.5	1.728	2.608	12.5	20.4
3 22	13 30.31	− 9 15.6	1.656	2.603	8.5	20.2
4 1	13 20.53	− 8 51.4	1.609	2.598	4.0	19.9
4 11	13 9.70	− 8 20.7	1.590	2.592	0.9	19.6
4 21	12 58.99	− 7 48.7	1.600	2.585	5.6	19.9
5 1	12 49.54	− 7 21.0	1.637	2.578	10.1	20.2
5 11	12 42.24	− 7 2.5	1.698	2.569	14.0	20.4

16215 Venkatraman 4 9.1 358.°40 0.°6/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.64	− 9 50.6	1.201	2.029	20.1	18.6
3 12	13 34.83	− 9 56.0	1.126	2.027	15.9	18.4
3 22	13 28.69	− 9 44.6	1.070	2.026	10.9	18.1
4 1	13 19.92	− 9 18.6	1.035	2.026	5.2	17.7
4 11	13 9.84	− 8 43.5	1.024	2.026	1.1	17.4
4 21	13 0.02	− 8 6.7	1.037	2.026	7.0	17.8
5 1	12 51.98	− 7 36.6	1.073	2.027	12.6	18.1
5 11	12 46.78	− 7 19.7	1.129	2.029	17.4	18.4

155769 2000 ST_{232} 4 9.1 267.°41 6.°3/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 58.79	−12 6.7	1.109	1.902	23.6	19.6
3 12	13 52.62	−14 18.4	1.025	1.899	19.5	19.3
3 22	13 41.61	−16 25.8	0.959	1.896	14.5	19.0
4 1	13 26.28	−18 21.4	0.916	1.893	9.2	18.7
4 11	13 8.28	−19 56.9	0.898	1.890	6.3	18.5
4 21	12 50.04	−21 7.4	0.906	1.887	9.6	18.7
5 1	12 34.16	−21 55.1	0.938	1.883	15.1	19.0
5 11	12 22.49	−22 28.6	0.991	1.880	20.2	19.3

201587 2003 SU_{104} 4 9.1 213.°36 1.°4/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.42	−13 32.6	2.223	2.999	13.7	20.6
3 12	13 32.32	−13 26.4	2.126	2.996	10.9	20.4
3 22	13 26.20	−13 6.9	2.052	2.992	7.6	20.2
4 1	13 18.56	−12 35.6	2.003	2.988	4.0	20.0
4 11	13 10.18	−11 55.5	1.983	2.983	1.4	19.8
4 21	13 1.90	−11 11.1	1.992	2.979	4.4	20.0
5 1	12 54.58	−10 27.8	2.028	2.974	8.1	20.2
5 11	12 48.89	− 9 50.5	2.089	2.969	11.4	20.4

31212 1998 BZ_8 4 9.1 112.°47 2.°3/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.71	− 3 24.1	1.927	2.740	14.2	18.4
3 12	13 33.37	− 2 47.6	1.854	2.750	10.9	18.2
3 22	13 26.87	− 2 2.9	1.803	2.759	7.2	18.0
4 1	13 18.83	− 1 15.0	1.779	2.769	3.5	17.8
4 11	13 10.13	− 0 29.6	1.782	2.778	2.9	17.8
4 21	13 1.73	+ 0 7.8	1.813	2.787	6.4	18.0
5 1	12 54.50	+ 0 32.8	1.871	2.795	10.1	18.2
5 11	12 49.11	+ 0 42.9	1.952	2.804	13.3	18.5

416098 2002 PZ_{12} 4 9.1 295.°10 3.°1/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.39	−16 49.0	1.555	2.346	18.0	21.0
3 12	13 32.69	−16 54.3	1.451	2.326	14.8	20.8
3 22	13 27.14	−16 38.8	1.366	2.305	10.8	20.5
4 1	13 19.24	−16 2.0	1.304	2.285	6.4	20.2
4 11	13 9.99	−15 6.6	1.267	2.264	3.2	19.9
4 21	13 0.64	−13 58.9	1.255	2.244	6.0	20.0
5 1	12 52.54	−12 47.9	1.268	2.224	10.9	20.2
5 11	12 46.78	−11 43.0	1.303	2.204	15.5	20.4

224319 2005 UZ_{36} 4 9.1 151.°26 0.°3/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.48	− 8 55.7	2.029	2.825	14.2	21.6
3 12	13 33.20	− 8 32.2	1.945	2.830	11.1	21.4
3 22	13 26.79	− 7 56.9	1.884	2.835	7.4	21.2
4 1	13 18.82	− 7 12.9	1.849	2.839	3.3	20.9
4 11	13 10.15	− 6 25.0	1.842	2.843	1.0	20.7
4 21	13 1.70	− 5 38.6	1.864	2.847	5.1	21.1
5 1	12 54.34	− 4 59.1	1.912	2.850	9.0	21.3
5 11	12 48.76	− 4 30.6	1.985	2.853	12.5	21.5

153740 2001 UL_{143} 4 9.1 210.°89 1.°4/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.39	− 5 57.3	2.088	2.891	13.6	21.4
3 12	13 33.14	− 5 24.1	1.996	2.886	10.6	21.2
3 22	13 26.79	− 4 40.8	1.927	2.881	7.0	20.9
4 1	13 18.86	− 3 51.1	1.884	2.875	3.2	20.7
4 11	13 10.16	− 3 0.4	1.870	2.869	2.0	20.6
4 21	13 1.59	− 2 14.0	1.884	2.862	5.7	20.8
5 1	12 54.04	− 1 37.3	1.926	2.855	9.5	21.0
5 11	12 48.21	− 1 13.8	1.991	2.847	12.9	21.2

41803 2000 WR_{24} 4 9.1 76.°80 1.°8/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.47	− 7 54.2	1.492	2.315	17.1	19.3
3 12	13 32.30	− 6 54.8	1.421	2.322	13.3	19.1
3 22	13 26.50	− 5 38.9	1.370	2.329	8.7	18.8
4 1	13 18.77	− 4 12.5	1.344	2.336	3.9	18.5
4 11	13 10.19	− 2 44.6	1.344	2.343	2.5	18.5
4 21	13 1.96	− 1 24.7	1.371	2.350	7.2	18.8
5 1	12 55.17	− 0 21.0	1.422	2.358	11.7	19.0
5 11	12 50.61	+ 0 21.7	1.495	2.365	15.7	19.3

215745 2004 EK_{50} 4 9.1 114.°89 2.°0/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.46	− 2 21.3	2.316	3.121	12.4	20.4
3 12	13 32.84	− 2 1.9	2.237	3.128	9.5	20.3
3 22	13 26.37	− 1 37.1	2.182	3.136	6.3	20.1
4 1	13 18.59	− 1 10.5	2.153	3.143	3.1	19.9
4 11	13 10.24	− 0 46.2	2.154	3.150	2.5	19.8
4 21	13 2.12	− 0 28.0	2.184	3.157	5.5	20.0
5 1	12 54.96	− 0 19.1	2.241	3.164	8.7	20.2
5 11	12 49.36	− 0 21.3	2.323	3.170	11.6	20.4

140753 2001 UC_{116} 4 9.1 265.°39 3.°0/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.18	+ 0 31.2	2.314	3.124	12.2	20.1
3 12	13 32.77	+ 0 54.5	2.220	3.114	9.5	19.9
3 22	13 26.44	+ 1 21.6	2.150	3.104	6.4	19.7
4 1	13 18.68	+ 1 48.6	2.108	3.094	3.6	19.5
4 11	13 10.22	+ 2 11.0	2.094	3.084	3.5	19.5
4 21	13 1.86	+ 2 24.8	2.108	3.074	6.3	19.6
5 1	12 54.41	+ 2 27.0	2.150	3.064	9.5	19.8
5 11	12 48.51	+ 2 16.0	2.216	3.053	12.5	20.0

405436 2004 TT_{35} 4 9.1 264.°87 0.°2/ 9.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.37	− 9 18.1	1.633	2.435	16.8	22.0
3 12	13 37.20	− 9 18.4	1.528	2.415	13.4	21.7
3 22	13 30.12	− 9 5.5	1.443	2.394	9.2	21.4
4 1	13 20.62	− 8 41.1	1.383	2.373	4.4	21.1
4 11	13 9.73	− 8 9.1	1.350	2.351	0.9	20.8
4 21	12 58.71	− 7 35.2	1.343	2.329	6.3	21.1
5 1	12 48.91	− 7 5.9	1.362	2.307	11.4	21.3
5 11	12 41.44	− 6 47.2	1.404	2.284	15.9	21.5

3577 Putilin 4 9.1 77.°63 1.°2/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 31.78	−14 34.6	3.113	3.876	10.5	16.5
3 12	13 28.03	−14 21.5	3.033	3.893	8.3	16.3
3 22	13 22.96	−13 58.4	2.975	3.910	5.8	16.2
4 1	13 16.98	−13 26.6	2.946	3.928	3.1	16.0
4 11	13 10.63	−12 48.8	2.945	3.945	1.2	15.9
4 21	13 4.44	−12 8.1	2.974	3.961	3.2	16.1
5 1	12 58.95	−11 28.2	3.033	3.978	5.7	16.3
5 11	12 54.56	−10 52.3	3.118	3.995	8.1	16.4

341616 2007 UT_{131} 4 9.1 146.°21 0.°5/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.24	− 9 40.8	2.490	3.281	12.0	21.3
3 12	13 29.51	− 8 54.2	2.404	3.286	9.3	21.1
3 22	13 24.13	− 7 56.3	2.342	3.292	6.2	20.9
4 1	13 17.57	− 6 50.5	2.307	3.297	2.8	20.7
4 11	13 10.50	− 5 41.5	2.301	3.302	1.0	20.6
4 21	13 3.60	− 4 34.6	2.326	3.307	4.5	20.8
5 1	12 57.55	− 3 35.0	2.378	3.312	7.7	21.0
5 11	12 52.87	− 2 46.5	2.456	3.316	10.6	21.2

135440 2001 UV_{179} 4 9.1 154.°25 7.°7/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.25	+21 43.3	2.912	3.703	10.4	20.4
3 12	13 33.06	+22 47.0	2.859	3.711	9.0	20.3
3 22	13 26.31	+23 41.9	2.830	3.718	8.0	20.3
4 1	13 18.51	+24 22.3	2.827	3.725	7.8	20.3
4 11	13 10.30	+24 44.2	2.851	3.731	8.4	20.3
4 21	13 2.35	+24 45.3	2.901	3.737	9.7	20.4
5 1	12 55.31	+24 25.6	2.974	3.742	11.2	20.5
5 11	12 49.63	+23 46.8	3.067	3.747	12.6	20.7

171262 2006 DA_{80} 4 9.1 230.°78 1.°3/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.92	− 7 56.2	1.784	2.590	15.4	21.2
3 12	13 34.02	− 7 9.2	1.688	2.579	12.1	20.9
3 22	13 27.65	− 6 7.3	1.614	2.568	8.1	20.7
4 1	13 19.36	− 4 54.5	1.565	2.556	3.6	20.4
4 11	13 10.06	− 3 37.7	1.544	2.544	2.0	20.2
4 21	13 0.86	− 2 24.8	1.551	2.531	6.5	20.5
5 1	12 52.82	− 1 23.4	1.584	2.517	11.0	20.7
5 11	12 46.80	− 0 38.9	1.640	2.502	14.9	20.9

71544 2000 CD_{123} 4 9.1 126.°43 1.°2/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.93	− 6 9.0	2.210	3.012	13.0	20.0
3 12	13 31.78	− 5 37.4	2.130	3.020	10.0	19.8
3 22	13 25.73	− 4 56.7	2.073	3.027	6.6	19.6
4 1	13 18.33	− 4 10.7	2.043	3.034	3.0	19.4
4 11	13 10.33	− 3 24.0	2.042	3.041	1.8	19.3
4 21	13 2.55	− 2 41.7	2.069	3.048	5.2	19.5
5 1	12 55.77	− 2 8.1	2.124	3.054	8.7	19.8
5 11	12 50.58	− 1 46.5	2.203	3.061	11.8	20.0

307987 2004 QP_{27} 4 9.1 211.°99 4.°1/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.18	+ 0 29.4	1.948	2.762	14.0	22.2
3 12	13 35.48	+ 1 29.4	1.858	2.754	10.9	21.9
3 22	13 28.45	+ 2 36.6	1.792	2.745	7.5	21.7
4 1	13 19.67	+ 3 44.7	1.752	2.736	4.5	21.5
4 11	13 10.01	+ 4 46.4	1.741	2.726	4.8	21.5
4 21	13 0.48	+ 5 35.1	1.757	2.715	8.0	21.7
5 1	12 52.08	+ 6 6.0	1.800	2.703	11.7	21.8
5 11	12 45.58	+ 6 16.8	1.866	2.690	15.0	22.0

248324 2005 QX_7 4 9.1 285.°74 5.°4/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.76	−23 41.1	2.371	3.091	14.4	20.0
3 12	13 34.32	−24 29.9	2.265	3.083	12.3	19.9
3 22	13 27.69	−25 3.7	2.181	3.075	9.7	19.7
4 1	13 19.35	−25 20.2	2.121	3.067	7.2	19.5
4 11	13 10.07	−25 19.1	2.087	3.059	5.5	19.4
4 21	13 0.77	−25 2.0	2.082	3.051	6.0	19.4
5 1	12 52.37	−24 33.1	2.104	3.044	8.2	19.5
5 11	12 45.67	−23 58.1	2.150	3.036	10.9	19.7

351497 2005 QQ_{163} 4 9.1 197.°84 1.°1/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.81	− 6 40.1	1.474	2.289	17.7	21.0
3 12	13 37.48	− 6 26.9	1.393	2.288	13.9	20.7
3 22	13 30.18	− 6 1.2	1.331	2.287	9.3	20.4
4 1	13 20.56	− 5 26.6	1.293	2.285	4.2	20.1
4 11	13 9.81	− 4 49.0	1.282	2.283	1.8	20.0
4 21	12 59.28	− 4 15.2	1.297	2.281	6.9	20.3
5 1	12 50.29	− 3 51.6	1.337	2.278	11.9	20.5
5 11	12 43.81	− 3 42.6	1.399	2.275	16.2	20.8

381315 2007 VH_{169} 4 9.1 150.°44 3.°2/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.21	−20 49.9	2.457	3.199	13.5	21.4
3 12	13 30.46	−20 43.1	2.362	3.202	11.1	21.2
3 22	13 24.87	−20 19.8	2.289	3.205	8.3	21.0
4 1	13 17.96	−19 40.3	2.241	3.208	5.4	20.8
4 11	13 10.43	−18 47.1	2.221	3.211	3.3	20.7
4 21	13 3.04	−17 44.6	2.229	3.214	4.3	20.8
5 1	12 56.56	−16 38.2	2.266	3.216	7.1	20.9
5 11	12 51.57	−15 34.1	2.329	3.218	10.0	21.1

498766 2008 UA_{54} 4 9.1 175.°12 1.°0/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.16	−13 44.6	2.464	3.237	12.6	22.3
3 12	13 31.09	−13 18.6	2.371	3.239	10.0	22.1
3 22	13 25.25	−12 39.2	2.300	3.240	6.9	21.9
4 1	13 18.12	−11 48.6	2.256	3.242	3.5	21.7
4 11	13 10.40	−10 50.5	2.241	3.242	1.0	21.5
4 21	13 2.82	− 9 49.8	2.256	3.243	4.0	21.7
5 1	12 56.12	− 8 51.6	2.299	3.243	7.4	21.9
5 11	12 50.88	− 8 0.9	2.368	3.242	10.5	22.1

207815 2007 TB_{256} 4 9.1 102.°97 0.°9/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.27	− 6 57.3	2.230	3.031	12.9	20.8
3 12	13 31.26	− 6 30.2	2.150	3.038	10.0	20.6
3 22	13 25.40	− 5 53.7	2.093	3.046	6.6	20.4
4 1	13 18.19	− 5 11.3	2.062	3.053	2.9	20.2
4 11	13 10.41	− 4 27.4	2.060	3.060	1.4	20.1
4 21	13 2.83	− 3 46.8	2.087	3.068	5.0	20.4
5 1	12 56.23	− 3 13.9	2.141	3.075	8.5	20.6
5 11	12 51.19	− 2 52.1	2.220	3.082	11.6	20.8

407399 2010 TC_{20} 4 9.1 146.°15 0.°7/ 8.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.83	− 9 37.1	1.842	2.643	15.2	22.4
3 12	13 32.91	− 8 51.8	1.761	2.649	11.8	22.2
3 22	13 26.72	− 7 51.8	1.702	2.655	7.9	21.9
4 1	13 18.86	− 6 41.0	1.669	2.660	3.5	21.7
4 11	13 10.26	− 5 26.2	1.665	2.665	1.3	21.5
4 21	13 1.91	− 4 14.5	1.688	2.670	5.7	21.8
5 1	12 54.77	− 3 12.8	1.738	2.674	9.9	22.1
5 11	12 49.55	− 2 26.3	1.811	2.678	13.5	22.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
287221	2002 TD_4		4	9.1	201.°96	1.°3/ 7.8 17
	h m	° ′			°	m
3 2	13 37.66	− 6 53.4	2.124	2.922	13.5	21.6
3 12	13 33.33	− 6 11.5	2.031	2.918	10.5	21.4
3 22	13 26.92	− 5 18.4	1.961	2.914	7.0	21.2
4 1	13 18.95	− 4 17.9	1.917	2.908	3.1	20.9
4 11	13 10.23	− 3 15.6	1.903	2.902	1.9	20.8
4 21	13 1.65	− 2 17.3	1.918	2.896	5.6	21.1
5 1	12 54.07	− 1 28.8	1.960	2.888	9.4	21.3
5 11	12 48.19	− 0 54.1	2.026	2.881	12.8	21.5
162099	1998 QV_{41}		4	9.1	242.°31	3.°4/12.5 18
3 2	13 39.13	−19 25.7	2.561	3.297	13.1	20.7
3 12	13 34.40	−19 44.6	2.443	3.280	10.9	20.5
3 22	13 27.65	−19 49.8	2.348	3.263	8.2	20.3
4 1	13 19.33	−19 40.7	2.278	3.245	5.4	20.1
4 11	13 10.13	−19 18.3	2.237	3.226	3.5	19.9
4 21	13 0.88	−18 45.2	2.225	3.207	4.6	20.0
5 1	12 52.41	−18 5.6	2.242	3.187	7.5	20.1
5 11	12 45.46	−17 25.1	2.285	3.167	10.5	20.3
91423	1999 OT_4		4	9.1	256.°71	2.°4/11.4 18
3 2	13 36.38	−16 20.7	2.035	2.807	15.0	20.0
3 12	13 32.64	−16 20.2	1.933	2.796	12.1	19.8
3 22	13 26.65	−16 3.5	1.851	2.785	8.8	19.6
4 1	13 18.90	−15 31.1	1.795	2.774	5.1	19.3
4 11	13 10.24	−14 45.7	1.765	2.763	2.5	19.1
4 21	13 1.62	−13 52.1	1.764	2.751	4.8	19.2
5 1	12 54.02	−12 56.7	1.789	2.740	8.7	19.4
5 11	12 48.23	−12 5.9	1.840	2.728	12.3	19.6
351588	2005 UA_{481}		4	9.1	237.°85	8.°3/28.1 18
3 2	13 38.75	+23 55.9	2.931	3.715	10.5	21.1
3 12	13 33.63	+24 59.4	2.859	3.702	9.3	20.9
3 22	13 26.82	+25 53.7	2.811	3.688	8.5	20.9
4 1	13 18.82	+26 32.9	2.790	3.673	8.4	20.8
4 11	13 10.29	+26 52.3	2.794	3.658	9.1	20.9
4 21	13 1.92	+26 49.4	2.823	3.643	10.4	20.9
5 1	12 54.40	+26 24.0	2.874	3.627	11.9	21.0
5 11	12 48.27	+25 37.8	2.946	3.611	13.4	21.1
66269	1999 JN_3		4	9.1	250.°72	4.°3/13.6 18
3 2	13 37.66	−24 35.0	1.997	2.728	16.5	19.0
3 12	13 33.90	−24 5.9	1.877	2.707	13.9	18.7
3 22	13 27.66	−23 10.5	1.776	2.685	10.7	18.5
4 1	13 19.44	−21 47.4	1.699	2.662	7.2	18.2
4 11	13 10.12	−19 59.2	1.649	2.638	4.5	18.0
4 21	13 0.78	−17 52.5	1.628	2.613	5.6	18.0
5 1	12 52.52	−15 37.6	1.636	2.588	9.2	18.1
5 11	12 46.24	−13 26.2	1.670	2.561	13.2	18.3
266678	2009 HU_{82}		4	9.1	289.°67	2.°4/ 7.2 18
3 2	13 42.75	+ 0 19.3	2.396	3.193	12.2	20.4
3 12	13 37.24	+ 0 16.9	2.279	3.164	9.6	20.1
3 22	13 29.60	+ 0 16.6	2.185	3.136	6.5	19.9
4 1	13 20.25	+ 0 15.6	2.120	3.107	3.4	19.6
4 11	13 9.94	+ 0 10.6	2.084	3.078	2.8	19.5
4 21	12 59.54	− 0 1.4	2.078	3.049	5.9	19.7
5 1	12 49.96	− 0 22.8	2.102	3.020	9.5	19.8
5 11	12 41.96	− 0 54.9	2.150	2.990	12.7	20.0
463144	2011 YP_{30}		4	9.1	162.°31	0.°6/ 9.7 16
3 2	13 40.57	−11 35.8	1.972	2.755	15.0	22.4
3 12	13 35.72	−11 18.2	1.886	2.761	11.8	22.2
3 22	13 28.57	−10 46.6	1.822	2.767	8.1	22.0
4 1	13 19.72	−10 3.4	1.784	2.772	3.9	21.7
4 11	13 10.09	− 9 13.0	1.775	2.776	0.8	21.5
4 21	13 0.69	− 8 21.1	1.794	2.780	5.0	21.8
5 1	12 52.48	− 7 33.7	1.841	2.783	9.1	22.1
5 11	12 46.19	− 6 56.0	1.913	2.785	12.7	22.3
197085	2003 UK_{179}		4	9.2	119.°73	1.°3/ 7.7 18
3 2	13 37.70	− 5 0.8	2.505	3.299	11.8	21.3
3 12	13 32.83	− 4 32.6	2.431	3.317	9.1	21.1
3 22	13 26.28	− 3 57.5	2.382	3.334	6.0	21.0
4 1	13 18.56	− 3 18.7	2.361	3.351	2.7	20.8
4 11	13 10.38	− 2 40.5	2.369	3.368	1.8	20.7
4 21	13 2.46	− 2 6.8	2.408	3.384	4.8	21.0
5 1	12 55.48	− 1 41.1	2.474	3.399	7.9	21.2
5 11	12 49.95	− 1 25.8	2.566	3.414	10.6	21.4
508604	2017 ST_8		4	9.2	203.°08	1.°4/ 7.7 17
3 2	13 34.92	− 7 15.5	2.111	2.914	13.4	21.7
3 12	13 31.21	− 6 25.8	2.021	2.912	10.4	21.5
3 22	13 25.50	− 5 24.2	1.954	2.909	6.9	21.3
4 1	13 18.31	− 4 14.8	1.914	2.906	3.1	21.0
4 11	13 10.43	− 3 3.7	1.903	2.902	1.9	20.9
4 21	13 2.70	− 1 57.2	1.921	2.898	5.6	21.2
5 1	12 55.96	− 1 1.1	1.965	2.894	9.4	21.4
5 11	12 50.86	− 0 19.6	2.034	2.890	12.7	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
98159	2000 SN_{76}		4	9.2	200.°82	2.°4/ 7.1 18
	h m	° ′			°	m
3 2	13 40.53	− 3 29.0	1.893	2.701	14.6	20.2
3 12	13 35.82	− 2 52.9	1.805	2.698	11.3	19.9
3 22	13 28.73	− 2 7.9	1.739	2.694	7.6	19.7
4 1	13 19.85	− 1 18.4	1.699	2.689	3.7	19.4
4 11	13 10.09	− 0 30.6	1.688	2.684	3.0	19.4
4 21	13 0.50	+ 0 9.5	1.704	2.678	6.7	19.6
5 1	12 52.09	+ 0 36.9	1.748	2.671	10.7	19.8
5 11	12 45.63	+ 0 48.5	1.814	2.664	14.3	20.0
429216	2009 WY_{262}		4	9.2	178.°66	5.°9/15.2 17
3 2	13 37.39	−26 33.4	2.184	2.897	15.7	21.2
3 12	13 33.37	−26 57.2	2.087	2.898	13.4	21.0
3 22	13 27.10	−27 0.7	2.010	2.898	10.7	20.8
4 1	13 19.11	−26 42.1	1.956	2.899	8.0	20.6
4 11	13 10.26	−26 2.0	1.928	2.899	6.1	20.5
4 21	13 1.53	−25 4.1	1.928	2.898	6.3	20.5
5 1	12 53.88	−23 54.5	1.954	2.898	8.5	20.6
5 11	12 48.08	−22 40.9	2.005	2.897	11.3	20.8
140087	2001 SM_{123}		4	9.2	292.°64	4.°1/12.9 18
3 2	13 37.04	−20 16.3	2.189	2.937	14.8	19.8
3 12	13 33.03	−20 44.1	2.091	2.933	12.2	19.6
3 22	13 26.85	−20 56.1	2.013	2.928	9.3	19.4
4 1	13 19.00	−20 51.5	1.960	2.924	6.3	19.2
4 11	13 10.29	−20 31.3	1.933	2.920	4.2	19.0
4 21	13 1.63	−19 58.5	1.935	2.916	5.2	19.1
5 1	12 53.97	−19 18.3	1.963	2.912	8.1	19.3
5 11	12 48.04	−18 36.8	2.017	2.908	11.3	19.4
171495	1996 XD_{24}		4	9.2	196.°23	1.°1/ 8.1 18
3 2	13 39.45	− 7 1.3	1.910	2.711	14.7	21.1
3 12	13 34.97	− 6 30.9	1.820	2.709	11.5	20.9
3 22	13 28.16	− 5 48.9	1.753	2.706	7.7	20.6
4 1	13 19.60	− 4 59.1	1.712	2.703	3.4	20.4
4 11	13 10.17	− 4 6.8	1.699	2.699	1.7	20.2
4 21	13 0.91	− 3 18.3	1.714	2.694	5.9	20.5
5 1	12 52.81	− 2 39.2	1.757	2.689	10.0	20.7
5 11	12 46.63	− 2 13.7	1.822	2.684	13.7	20.9
473263	2015 ML_{35}		4	9.2	209.°30	4.°7/ 3.5 17
3 2	13 34.28	+ 5 59.6	2.512	3.331	11.1	21.1
3 12	13 30.33	+ 6 55.7	2.433	3.328	8.7	20.9
3 22	13 24.72	+ 7 52.9	2.378	3.326	6.3	20.8
4 1	13 17.92	+ 8 45.8	2.351	3.323	4.8	20.7
4 11	13 10.58	+ 9 29.2	2.352	3.320	5.3	20.7
4 21	13 3.40	+ 9 59.0	2.381	3.317	7.5	20.8
5 1	12 57.05	+10 12.4	2.436	3.314	10.0	21.0
5 11	12 52.07	+10 8.9	2.514	3.310	12.4	21.1
115560	2003 UB_{79}		4	9.2	211.°56	0.°7/ 9.8 18
3 2	13 39.15	−12 4.2	1.998	2.782	14.8	21.1
3 12	13 34.75	−11 45.4	1.900	2.775	11.8	20.8
3 22	13 28.05	−11 12.0	1.824	2.768	8.1	20.6
4 1	13 19.57	−10 25.9	1.773	2.761	4.0	20.3
4 11	13 10.19	− 9 31.5	1.751	2.752	0.9	20.1
4 21	13 0.90	− 8 34.5	1.757	2.743	5.0	20.3
5 1	12 52.70	− 7 41.2	1.791	2.734	9.2	20.6
5 11	12 46.36	− 6 57.5	1.849	2.723	12.9	20.8
121393	1999 TA_{120}		4	9.2	241.°98	2.°2/11.2 18
3 2	13 36.09	−15 47.3	2.057	2.831	14.8	20.1
3 12	13 32.33	−15 43.9	1.960	2.826	11.9	19.8
3 22	13 26.40	−15 24.8	1.885	2.821	8.5	19.6
4 1	13 18.80	−14 50.7	1.835	2.815	4.8	19.4
4 11	13 10.37	−14 4.8	1.812	2.810	2.2	19.2
4 21	13 2.04	−13 12.1	1.817	2.804	4.7	19.3
5 1	12 54.74	−12 18.5	1.849	2.799	8.5	19.6
5 11	12 49.21	−11 30.4	1.906	2.793	12.0	19.8
405472	2004 VX_{53}		4	9.2	202.°76	2.°5/ 6.9 17
3 2	13 41.49	− 2 58.3	2.052	2.854	13.8	21.8
3 12	13 36.41	− 2 20.8	1.959	2.849	10.7	21.6
3 22	13 29.06	− 1 35.0	1.890	2.843	7.2	21.4
4 1	13 20.01	− 0 45.5	1.847	2.836	3.6	21.1
4 11	13 10.11	+ 0 2.0	1.834	2.828	3.0	21.1
4 21	13 0.35	+ 0 41.9	1.849	2.820	6.5	21.3
5 1	12 51.67	+ 1 9.6	1.892	2.810	10.3	21.5
5 11	12 44.83	+ 1 22.1	1.958	2.800	13.7	21.7
309764	2008 YM_{35}		4	9.2	182.°94	0.°0/ 8.9 17
3 2	13 40.30	−10 7.1	1.824	2.618	15.6	22.2
3 12	13 35.76	− 9 44.3	1.736	2.618	12.3	22.0
3 22	13 28.76	− 9 7.2	1.670	2.619	8.3	21.8
4 1	13 19.90	− 8 18.8	1.629	2.618	3.8	21.5
4 11	13 10.14	− 7 24.2	1.616	2.617	0.9	21.3
4 21	13 0.57	− 6 29.8	1.631	2.616	5.6	21.6
5 1	12 52.25	− 5 42.1	1.673	2.614	9.9	21.8
5 11	12 45.97	− 5 6.4	1.739	2.611	13.8	22.1

61749 2000 QU_{156} 4 9.2 305.°74 1.°4/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 32.43	− 9 39.0	1.755	2.567	15.4	19.2
3 12	13 29.71	− 8 24.4	1.668	2.564	11.9	19.0
3 22	13 24.72	− 6 51.5	1.604	2.560	7.9	18.7
4 1	13 18.04	− 5 5.8	1.565	2.557	3.5	18.4
4 11	13 10.56	− 3 16.0	1.554	2.553	2.1	18.3
4 21	13 3.27	− 1 31.7	1.571	2.550	6.5	18.6
5 1	12 57.12	− 0 1.7	1.614	2.547	10.8	18.8
5 11	12 52.84	+ 1 7.9	1.680	2.544	14.5	19.1

100800 1998 FZ_{89} 4 9.2 65.°07 0.°7/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 43.32	− 6 0.7	1.660	2.465	16.4	18.8
3 12	13 37.96	− 6 6.0	1.600	2.489	12.7	18.7
3 22	13 30.06	− 6 2.2	1.561	2.514	8.4	18.5
4 1	13 20.39	− 5 52.3	1.547	2.538	3.8	18.2
4 11	13 10.06	− 5 40.5	1.561	2.562	1.3	18.1
4 21	13 0.24	− 5 31.1	1.603	2.586	5.8	18.4
5 1	12 51.95	− 5 28.1	1.671	2.610	10.0	18.7
5 11	12 45.90	− 5 34.6	1.762	2.634	13.6	19.0

121419 1999 TW_{147} 4 9.2 258.°29 1.°7/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.41	−15 5.9	2.646	3.410	12.1	20.5
3 12	13 30.56	−15 0.8	2.536	3.396	9.7	20.3
3 22	13 24.99	−14 43.4	2.448	3.382	6.9	20.1
4 1	13 18.11	−14 14.8	2.387	3.368	3.9	19.9
4 11	13 10.55	−13 37.2	2.355	3.354	1.7	19.7
4 21	13 3.01	−12 54.4	2.352	3.339	3.9	19.8
5 1	12 56.21	−12 10.6	2.377	3.324	7.0	20.0
5 11	12 50.76	−11 30.6	2.429	3.309	10.0	20.2

19041 6055 P–L 4 9.2 141.°65 0.°8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.79	−12 28.1	1.968	2.748	15.1	20.3
3 12	13 35.85	−12 9.7	1.888	2.761	11.9	20.1
3 22	13 28.63	−11 36.9	1.829	2.773	8.2	19.9
4 1	13 19.77	−10 51.8	1.797	2.784	4.0	19.7
4 11	13 10.19	− 9 58.9	1.793	2.794	1.0	19.4
4 21	13 0.90	− 9 4.1	1.817	2.804	4.9	19.8
5 1	12 52.83	− 8 13.5	1.870	2.813	8.9	20.0
5 11	12 46.69	− 7 32.3	1.947	2.821	12.4	20.2

140570 2001 TY_{213} 4 9.2 7.°58 0.°6/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.10	−11 39.9	2.182	2.971	13.5	20.0
3 12	13 30.55	−11 23.2	2.092	2.971	10.7	19.8
3 22	13 25.06	−10 53.8	2.025	2.972	7.3	19.6
4 1	13 18.14	−10 13.9	1.984	2.972	3.5	19.4
4 11	13 10.55	− 9 27.6	1.971	2.972	0.8	19.2
4 21	13 3.11	− 8 39.7	1.986	2.973	4.5	19.4
5 1	12 56.63	− 7 55.5	2.028	2.973	8.2	19.7
5 11	12 51.73	− 7 19.7	2.096	2.974	11.5	19.9

389908 2012 TO_{56} 4 9.2 109.°65 0.°1/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.11	− 9 37.5	2.459	3.244	12.3	21.4
3 12	13 31.76	− 9 24.4	2.377	3.255	9.6	21.3
3 22	13 25.67	− 9 1.7	2.319	3.266	6.5	21.1
4 1	13 18.36	− 8 31.7	2.288	3.278	3.0	20.9
4 11	13 10.52	− 7 57.8	2.287	3.288	0.6	20.7
4 21	13 2.88	− 7 23.9	2.314	3.299	4.2	21.0
5 1	12 56.14	− 6 54.1	2.370	3.309	7.5	21.2
5 11	12 50.85	− 6 31.9	2.451	3.320	10.4	21.4

467375 2004 RA_{66} 4 9.2 218.°73 0.°4/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.66	− 9 13.8	2.608	3.390	11.8	22.7
3 12	13 32.25	− 8 39.2	2.501	3.379	9.2	22.5
3 22	13 26.08	− 7 54.0	2.419	3.367	6.2	22.3
4 1	13 18.61	− 7 0.7	2.365	3.354	2.8	22.1
4 11	13 10.47	− 6 3.3	2.340	3.341	0.9	21.9
4 21	13 2.39	− 5 6.7	2.346	3.327	4.4	22.2
5 1	12 55.09	− 4 15.5	2.380	3.312	7.8	22.3
5 11	12 49.16	− 3 34.0	2.440	3.297	10.8	22.5

247875 2003 UO_{145} 4 9.2 201.°39 0.°3/ 8.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.77	− 9 51.9	2.081	2.870	14.1	22.0
3 12	13 34.31	− 9 19.3	1.986	2.866	11.1	21.8
3 22	13 27.67	− 8 33.4	1.912	2.861	7.5	21.5
4 1	13 19.39	− 7 37.3	1.866	2.856	3.4	21.3
4 11	13 10.30	− 6 35.8	1.848	2.849	0.9	21.1
4 21	13 1.33	− 5 34.9	1.859	2.842	5.2	21.3
5 1	12 53.41	− 4 40.9	1.898	2.834	9.2	21.6
5 11	12 47.25	− 3 58.6	1.961	2.826	12.7	21.8

295453 2008 OJ_{24} 4 9.2 336.°63 0.°9/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.13	−12 12.7	1.637	2.443	16.6	21.0
3 12	13 31.32	−11 58.9	1.549	2.437	13.2	20.8
3 22	13 25.98	−11 28.3	1.481	2.431	9.1	20.5
4 1	13 18.70	−10 43.0	1.437	2.426	4.5	20.2
4 11	13 10.45	− 9 48.0	1.420	2.421	1.0	19.9
4 21	13 2.34	− 8 50.2	1.428	2.417	5.6	20.2
5 1	12 55.48	− 7 57.1	1.462	2.413	10.2	20.5
5 11	12 50.70	− 7 15.2	1.518	2.409	14.3	20.7

459966 2014 ON_1 4 9.2 241.°85 6.°5/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.80	−23 8.5	1.665	2.411	18.7	21.5
3 12	13 37.74	−23 54.4	1.564	2.401	15.9	21.2
3 22	13 30.63	−24 19.6	1.482	2.390	12.5	21.0
4 1	13 21.00	−24 20.5	1.422	2.378	9.0	20.8
4 11	13 9.93	−23 56.3	1.387	2.367	6.6	20.6
4 21	12 58.77	−23 9.9	1.377	2.355	7.4	20.6
5 1	12 48.95	−22 8.8	1.393	2.342	10.8	20.7
5 11	12 41.63	−21 2.9	1.432	2.329	14.6	20.9

386160 2007 TL_{373} 4 9.2 67.°38 1.°2/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.43	− 6 6.7	2.082	2.886	13.6	21.0
3 12	13 32.17	− 5 36.5	2.019	2.909	10.4	20.8
3 22	13 26.00	− 4 57.6	1.978	2.933	6.8	20.6
4 1	13 18.52	− 4 13.7	1.965	2.956	3.1	20.4
4 11	13 10.55	− 3 30.0	1.980	2.979	1.8	20.4
4 21	13 2.92	− 2 51.3	2.023	3.003	5.3	20.7
5 1	12 56.40	− 2 21.7	2.094	3.026	8.7	20.9
5 11	12 51.55	− 2 4.2	2.188	3.049	11.8	21.1

413828 2006 RS_{33} 4 9.2 170.°45 0.°3/ 9.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.45	−10 50.9	2.199	2.980	13.7	22.5
3 12	13 34.65	−10 28.7	2.110	2.984	10.8	22.3
3 22	13 27.78	− 9 54.0	2.043	2.988	7.3	22.1
4 1	13 19.41	− 9 9.5	2.003	2.991	3.4	21.8
4 11	13 10.34	− 8 19.2	1.992	2.994	0.7	21.6
4 21	13 1.45	− 7 28.3	2.011	2.995	4.7	21.9
5 1	12 53.60	− 6 42.1	2.057	2.996	8.4	22.1
5 11	12 47.45	− 6 5.3	2.129	2.996	11.8	22.3

375733 2009 RC_{31} 4 9.2 317.°43 2.°2/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.02	−13 35.5	1.538	2.341	17.6	20.4
3 12	13 33.15	−13 49.5	1.443	2.326	14.3	20.1
3 22	13 27.47	−13 46.8	1.367	2.312	10.1	19.9
4 1	13 19.51	−13 27.8	1.314	2.299	5.5	19.5
4 11	13 10.30	−12 55.5	1.286	2.286	2.2	19.3
4 21	13 1.08	−12 15.5	1.284	2.274	5.9	19.5
5 1	12 53.16	−11 34.8	1.307	2.262	10.7	19.7
5 11	12 47.55	−11 1.1	1.351	2.250	15.2	20.0

435868 2008 YO_{48} 4 9.2 89.°70 0.°7/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.31	− 7 43.8	2.153	2.953	13.3	21.8
3 12	13 31.44	− 7 19.2	2.071	2.959	10.3	21.6
3 22	13 25.63	− 6 44.5	2.011	2.964	6.9	21.4
4 1	13 18.42	− 6 2.7	1.978	2.969	3.1	21.2
4 11	13 10.58	− 5 18.6	1.973	2.974	1.2	21.0
4 21	13 2.93	− 4 37.1	1.997	2.979	5.0	21.3
5 1	12 56.28	− 4 2.8	2.047	2.984	8.6	21.5
5 11	12 51.24	− 3 39.3	2.122	2.989	11.8	21.7

508253 2015 HV_{76} 4 9.2 183.°28 0.°4/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.02	− 8 19.2	2.525	3.316	11.9	22.0
3 12	13 30.96	− 7 55.6	2.434	3.316	9.2	21.9
3 22	13 25.20	− 7 22.7	2.366	3.316	6.2	21.7
4 1	13 18.20	− 6 43.2	2.325	3.315	2.8	21.4
4 11	13 10.63	− 6 0.8	2.314	3.315	0.9	21.3
4 21	13 3.18	− 5 19.9	2.332	3.314	4.4	21.5
5 1	12 56.56	− 4 44.4	2.378	3.313	7.7	21.7
5 11	12 51.33	− 4 18.0	2.449	3.312	10.6	21.9

417424 2006 KC_{47} 4 9.2 257.°57 2.°2/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.93	− 4 58.2	1.826	2.636	15.0	22.1
3 12	13 34.92	− 4 18.4	1.722	2.616	11.7	21.9
3 22	13 28.40	− 3 26.6	1.639	2.595	7.9	21.6
4 1	13 19.87	− 2 27.3	1.582	2.573	3.7	21.3
4 11	13 10.23	− 1 26.8	1.553	2.550	2.8	21.2
4 21	13 0.54	− 0 32.1	1.552	2.527	7.0	21.4
5 1	12 51.93	+ 0 10.0	1.577	2.504	11.4	21.6
5 11	12 45.30	+ 0 35.1	1.624	2.480	15.4	21.8

176512 2001 YU_{59} 4 9.2 105.°85 5.°7/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.53	−27 59.0	2.484	3.182	14.4	20.3
3 12	13 31.65	−28 20.5	2.390	3.188	12.3	20.1
3 22	13 25.81	−28 23.3	2.317	3.194	10.0	20.0
4 1	13 18.53	−28 5.7	2.266	3.199	7.6	19.8
4 11	13 10.55	−27 28.8	2.242	3.205	5.9	19.7
4 21	13 2.72	−26 35.4	2.245	3.210	5.9	19.8
5 1	12 55.84	−25 31.0	2.275	3.216	7.6	19.9
5 11	12 50.55	−24 22.1	2.331	3.221	10.0	20.0

344573 2003 AV_{16} 4 9.2 168.°53 4.°0/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.20	−22 55.1	2.634	3.357	13.1	21.0
3 12	13 31.97	−23 5.7	2.536	3.359	10.9	20.8
3 22	13 25.93	−23 0.6	2.460	3.362	8.4	20.7
4 1	13 18.56	−22 39.3	2.408	3.364	5.9	20.5
4 11	13 10.55	−22 3.2	2.384	3.366	4.1	20.4
4 21	13 2.65	−21 15.6	2.389	3.367	4.7	20.4
5 1	12 55.60	−20 21.3	2.422	3.368	7.0	20.6
5 11	12 50.02	−19 25.7	2.481	3.369	9.6	20.7

185241 2006 UR_{15} 4 9.2 219.°12 3.°5/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.95	+ 2 41.8	2.552	3.363	11.2	20.8
3 12	13 31.64	+ 3 18.1	2.465	3.359	8.7	20.6
3 22	13 25.63	+ 3 57.0	2.402	3.354	6.0	20.4
4 1	13 18.40	+ 4 34.1	2.367	3.349	3.8	20.3
4 11	13 10.59	+ 5 4.9	2.361	3.344	4.0	20.3
4 21	13 2.93	+ 5 25.7	2.384	3.338	6.4	20.4
5 1	12 56.08	+ 5 33.7	2.434	3.333	9.2	20.6
5 11	12 50.61	+ 5 27.7	2.507	3.327	11.7	20.7

305576 2008 XC_{47} 4 9.2 87.°03 15.°3/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 52.47	+31 1.4	1.556	2.335	18.5	20.3
3 12	13 45.17	+32 29.7	1.535	2.359	16.7	20.2
3 22	13 34.79	+33 32.6	1.533	2.383	15.6	20.2
4 1	13 22.46	+33 59.1	1.552	2.407	15.4	20.2
4 11	13 9.75	+33 43.4	1.592	2.430	16.0	20.3
4 21	12 58.15	+32 46.5	1.652	2.453	17.3	20.5
5 1	12 48.79	+31 13.8	1.731	2.475	18.9	20.6
5 11	12 42.31	+29 13.9	1.826	2.497	20.4	20.8

262791 2006 YB_{37} 4 9.2 46.°17 4.°1/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.91	−18 40.2	1.595	2.372	18.2	20.3
3 12	13 34.32	−19 4.2	1.519	2.381	14.9	20.1
3 22	13 28.01	−19 8.0	1.462	2.391	11.1	19.9
4 1	13 19.64	−18 51.2	1.427	2.401	7.0	19.7
4 11	13 10.31	−18 16.2	1.418	2.411	4.2	19.5
4 21	13 1.26	−17 28.4	1.435	2.421	5.9	19.7
5 1	12 53.67	−16 35.5	1.477	2.432	9.7	19.9
5 11	12 48.38	−15 45.6	1.543	2.443	13.5	20.2

5423 Horahořejš 4 9.2 62.°85 1.°4/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.80	−12 39.7	1.401	2.207	18.9	17.5
3 12	13 35.86	−12 38.1	1.338	2.224	15.0	17.3
3 22	13 29.02	−12 18.3	1.294	2.242	10.3	17.1
4 1	13 20.06	−11 42.7	1.273	2.260	5.2	16.8
4 11	13 10.24	−10 56.7	1.277	2.278	1.5	16.6
4 21	13 0.88	−10 7.5	1.307	2.296	5.9	17.0
5 1	12 53.21	− 9 22.9	1.362	2.314	10.7	17.3
5 11	12 48.05	− 8 49.3	1.439	2.332	14.8	17.6

502867 2015 DH_{203} 4 9.2 93.°67 7.°6/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.73	−29 11.8	2.121	2.813	16.7	21.5
3 12	13 36.92	−30 12.9	2.036	2.824	14.5	21.3
3 22	13 29.60	−30 53.8	1.970	2.836	12.0	21.2
4 1	13 20.36	−31 11.0	1.927	2.848	9.5	21.0
4 11	13 10.16	−31 3.6	1.909	2.859	7.8	20.9
4 21	13 0.11	−30 33.7	1.917	2.870	7.8	21.0
5 1	12 51.29	−29 46.7	1.951	2.881	9.4	21.1
5 11	12 44.54	−28 50.5	2.010	2.892	11.7	21.2

61656 2000 QR_{113} 4 9.2 262.°82 1.°6/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.24	− 6 28.3	1.830	2.643	14.8	19.5
3 12	13 31.81	− 5 45.3	1.745	2.641	11.5	19.3
3 22	13 26.12	− 4 50.0	1.681	2.638	7.6	19.1
4 1	13 18.73	− 3 47.0	1.644	2.635	3.5	18.8
4 11	13 10.53	− 2 42.8	1.634	2.632	2.3	18.7
4 21	13 2.51	− 1 44.3	1.651	2.629	6.3	19.0
5 1	12 55.62	− 0 57.6	1.694	2.627	10.4	19.2
5 11	12 50.60	− 0 26.9	1.760	2.624	14.0	19.4

377216 2003 YX_{10} 4 9.2 104.°66 2.°3/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.72	−18 18.2	2.761	3.499	12.2	22.0
3 12	13 33.53	−18 10.0	2.687	3.528	9.9	21.8
3 22	13 26.73	−17 48.5	2.636	3.557	7.1	21.7
4 1	13 18.84	−17 14.6	2.613	3.585	4.3	21.5
4 11	13 10.54	−16 31.2	2.618	3.613	2.3	21.4
4 21	13 2.53	−15 41.9	2.654	3.639	3.7	21.6
5 1	12 55.43	−14 51.3	2.720	3.665	6.3	21.8
5 11	12 49.75	−14 3.8	2.813	3.690	8.9	22.0

307191 2002 ET_{133} 4 9.2 52.°67 1.°9/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.31	−14 25.4	1.397	2.201	19.0	20.8
3 12	13 34.12	−14 18.7	1.324	2.209	15.2	20.6
3 22	13 28.00	−13 51.3	1.270	2.217	10.7	20.3
4 1	13 19.68	−13 5.0	1.239	2.225	5.6	20.1
4 11	13 10.34	−12 5.3	1.233	2.233	1.9	19.8
4 21	13 1.34	−11 0.3	1.252	2.242	5.9	20.1
5 1	12 53.94	− 9 59.0	1.296	2.250	10.8	20.4
5 11	12 49.02	− 9 9.2	1.361	2.259	15.2	20.7

402875 2007 RQ_{223} 4 9.2 145.°08 0.°2/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.12	−10 53.4	1.914	2.702	15.2	22.3
3 12	13 35.42	−10 29.0	1.833	2.712	11.9	22.1
3 22	13 28.43	− 9 50.7	1.774	2.722	8.1	21.9
4 1	13 19.76	− 9 1.2	1.742	2.731	3.8	21.6
4 11	13 10.34	− 8 5.6	1.737	2.739	0.8	21.4
4 21	13 1.20	− 7 10.0	1.761	2.747	5.2	21.8
5 1	12 53.28	− 6 20.6	1.813	2.754	9.3	22.0
5 11	12 47.31	− 5 42.4	1.888	2.760	12.8	22.2

163351 2002 NW_{32} 4 9.2 99.°22 3.°3/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.26	−22 3.8	2.639	3.364	13.0	19.9
3 12	13 32.55	−21 54.4	2.564	3.391	10.7	19.8
3 22	13 26.15	−21 28.9	2.510	3.418	8.0	19.6
4 1	13 18.60	−20 48.1	2.482	3.445	5.3	19.5
4 11	13 10.61	−19 54.5	2.483	3.470	3.4	19.4
4 21	13 2.90	−18 52.3	2.514	3.496	4.1	19.5
5 1	12 56.15	−17 47.0	2.573	3.520	6.6	19.7
5 11	12 50.87	−16 43.8	2.659	3.544	9.1	19.9

58323 1994 PK_{39} 4 9.2 196.°30 0.°3/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.83	− 8 46.2	3.045	3.827	10.2	20.6
3 12	13 29.76	− 8 17.0	2.946	3.824	8.0	20.4
3 22	13 24.28	− 7 39.3	2.872	3.820	5.3	20.2
4 1	13 17.77	− 6 55.7	2.826	3.816	2.4	20.0
4 11	13 10.78	− 6 9.4	2.811	3.812	0.8	19.9
4 21	13 3.89	− 5 23.9	2.825	3.807	3.8	20.1
5 1	12 57.65	− 4 43.1	2.869	3.802	6.6	20.3
5 11	12 52.55	− 4 9.9	2.939	3.796	9.2	20.5

98021 2000 QX_{243} 4 9.2 134.°10 1.°4/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.18	− 7 19.8	1.641	2.451	16.3	19.9
3 12	13 35.04	− 6 39.8	1.566	2.459	12.7	19.7
3 22	13 28.34	− 5 46.2	1.512	2.467	8.4	19.4
4 1	13 19.76	− 4 43.8	1.483	2.474	3.8	19.2
4 11	13 10.34	− 3 39.6	1.481	2.481	2.1	19.1
4 21	13 1.24	− 2 41.1	1.507	2.488	6.5	19.4
5 1	12 53.53	− 1 54.9	1.559	2.494	10.9	19.6
5 11	12 47.98	− 1 25.5	1.633	2.500	14.7	19.9

423468 2005 SE_{194} 4 9.2 260.°88 0.°1/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.92	− 6 48.2	1.853	2.649	15.3	21.0
3 12	13 37.94	− 7 4.0	1.756	2.640	12.1	20.8
3 22	13 30.37	− 7 11.6	1.681	2.631	8.2	20.5
4 1	13 20.77	− 7 12.9	1.631	2.621	3.8	20.2
4 11	13 10.10	− 7 10.8	1.610	2.612	0.9	20.0
4 21	12 59.47	− 7 8.8	1.617	2.602	5.6	20.3
5 1	12 50.01	− 7 11.0	1.651	2.592	10.0	20.5
5 11	12 42.64	− 7 20.7	1.709	2.582	13.9	20.7

246502 2008 AC_{72} 4 9.2 147.°99 5.°8/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.46	+ 9 10.2	2.497	3.318	11.1	20.6
3 12	13 29.72	+10 30.4	2.429	3.322	8.8	20.4
3 22	13 24.34	+11 49.8	2.387	3.326	6.8	20.3
4 1	13 17.81	+13 2.1	2.372	3.330	5.8	20.2
4 11	13 10.79	+14 1.4	2.385	3.333	6.6	20.3
4 21	13 3.95	+14 43.3	2.425	3.336	8.5	20.4
5 1	12 57.97	+15 5.4	2.490	3.340	10.8	20.6
5 11	12 53.35	+15 7.7	2.577	3.343	12.9	20.7

284456 2007 FM_{28} 4 9.2 250.°61 3.°6/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 43.74	−16 27.2	1.711	2.480	17.4	21.1
3 12	13 39.17	−16 54.5	1.601	2.461	14.4	20.8
3 22	13 31.61	−17 5.5	1.510	2.442	10.6	20.5
4 1	13 21.52	−16 58.9	1.444	2.421	6.4	20.2
4 11	13 9.91	−16 35.3	1.404	2.400	3.6	20.0
4 21	12 58.09	−15 58.6	1.392	2.378	6.1	20.1
5 1	12 47.47	−15 15.5	1.405	2.355	10.6	20.3
5 11	12 39.21	−14 34.1	1.443	2.331	15.0	20.5

279163 2009 SX_{135} 4 9.2 192.°96 0.°5/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.79	−12 15.0	2.283	3.062	13.3	22.0
3 12	13 32.59	−11 45.3	2.187	3.060	10.5	21.8
3 22	13 26.44	−11 2.1	2.114	3.058	7.2	21.6
4 1	13 18.84	−10 7.6	2.068	3.055	3.5	21.3
4 11	13 10.55	− 9 6.2	2.050	3.052	0.7	21.1
4 21	13 2.39	− 8 3.3	2.062	3.048	4.5	21.4
5 1	12 55.17	− 7 4.6	2.102	3.043	8.2	21.6
5 11	12 49.53	− 6 15.1	2.168	3.038	11.5	21.8

141057 2001 XS_5 4 9.2 133.°66 4.°2/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.34	+ 4 3.7	2.625	3.442	10.7	20.4
3 12	13 29.50	+ 5 17.1	2.555	3.451	8.3	20.2
3 22	13 24.13	+ 6 32.9	2.511	3.460	5.9	20.1
4 1	13 17.70	+ 7 45.5	2.495	3.469	4.3	20.0
4 11	13 10.82	+ 8 49.4	2.508	3.478	4.9	20.0
4 21	13 4.13	+ 9 40.2	2.549	3.486	7.0	20.2
5 1	12 58.25	+10 14.8	2.617	3.494	9.4	20.3
5 11	12 53.66	+10 32.2	2.708	3.501	11.7	20.5

456178 2006 HZ_{43} 4 9.2 343.°98 3.°1/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.01	− 4 21.6	1.169	2.019	19.1	20.9
3 12	13 31.32	− 3 42.4	1.094	2.010	14.9	20.6
3 22	13 26.46	− 2 48.3	1.038	2.002	9.9	20.3
4 1	13 19.11	− 1 45.9	1.004	1.996	4.8	20.0
4 11	13 10.49	− 0 45.1	0.993	1.990	3.9	19.9
4 21	13 2.07	+ 0 4.3	1.005	1.985	8.9	20.2
5 1	12 55.31	+ 0 34.1	1.039	1.982	14.2	20.5
5 11	12 51.22	+ 0 40.1	1.092	1.979	18.9	20.7

91261 1999 CY_{94} 4 9.2 2.°12 5.°7/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.21	+ 1 15.1	1.197	2.049	18.6	18.9
3 12	13 33.61	+ 2 9.4	1.131	2.047	14.5	18.6
3 22	13 27.85	+ 3 11.5	1.085	2.047	10.0	18.4
4 1	13 19.67	+ 4 12.3	1.060	2.047	6.2	18.2
4 11	13 10.38	+ 5 1.2	1.060	2.048	6.6	18.2
4 21	13 1.45	+ 5 29.9	1.083	2.049	10.6	18.4
5 1	12 54.25	+ 5 33.1	1.127	2.052	15.1	18.7
5 11	12 49.73	+ 5 10.4	1.190	2.055	19.2	18.9

58320 1994 PE_{38} 4 9.2 239.°57 2.°3/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.24	−17 17.3	2.728	3.478	12.1	19.9
3 12	13 31.20	−17 17.1	2.617	3.467	9.8	19.7
3 22	13 25.44	−17 4.2	2.530	3.455	7.2	19.5
4 1	13 18.38	−16 39.0	2.468	3.443	4.3	19.3
4 11	13 10.66	−16 3.4	2.435	3.430	2.3	19.2
4 21	13 2.96	−15 20.7	2.432	3.418	3.9	19.3
5 1	12 56.00	−14 35.3	2.457	3.405	6.8	19.4
5 11	12 50.37	−13 52.0	2.509	3.391	9.7	19.6

345542 2006 QB_{105} 4 9.2 174.°90 1.°3/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.15	− 5 31.6	2.936	3.728	10.3	22.2
3 12	13 30.02	− 4 51.0	2.846	3.731	7.9	22.0
3 22	13 24.44	− 4 3.3	2.781	3.733	5.2	21.8
4 1	13 17.85	− 3 11.5	2.744	3.734	2.4	21.6
4 11	13 10.79	− 2 19.7	2.738	3.735	1.7	21.6
4 21	13 3.87	− 1 31.8	2.762	3.736	4.4	21.8
5 1	12 57.65	− 0 51.4	2.814	3.736	7.2	21.9
5 11	12 52.60	− 0 21.2	2.892	3.736	9.7	22.1

419906 2011 AW_{79} 4 9.2 145.°62 1.°1/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.74	− 5 49.3	2.144	2.938	13.6	21.0
3 12	13 35.62	− 5 32.2	2.063	2.948	10.5	20.8
3 22	13 28.42	− 5 6.6	2.005	2.957	7.0	20.6
4 1	13 19.73	− 4 35.9	1.975	2.965	3.1	20.4
4 11	13 10.38	− 4 4.3	1.973	2.973	1.6	20.2
4 21	13 1.27	− 3 36.3	2.001	2.980	5.3	20.5
5 1	12 53.26	− 3 15.9	2.056	2.987	8.9	20.7
5 11	12 47.00	− 3 6.1	2.136	2.993	12.1	21.0

410800 2009 HH_{79} 4 9.2 39.°48 2.°1/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.82	− 5 45.2	1.361	2.192	18.0	20.9
3 12	13 33.66	− 5 11.0	1.294	2.200	13.9	20.7
3 22	13 27.64	− 4 23.3	1.248	2.208	9.2	20.4
4 1	13 19.50	− 3 28.1	1.225	2.217	4.2	20.1
4 11	13 10.44	− 2 33.1	1.227	2.226	2.7	20.1
4 21	13 1.78	− 1 46.5	1.254	2.236	7.4	20.4
5 1	12 54.70	− 1 14.8	1.306	2.246	12.2	20.7
5 11	12 50.05	− 1 1.9	1.378	2.256	16.3	20.9

246754 2009 BK_{152} 4 9.2 100.°20 1.°8/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.87	− 4 3.1	2.168	2.976	13.0	21.2
3 12	13 31.87	− 3 33.6	2.087	2.980	10.0	21.0
3 22	13 25.93	− 2 56.6	2.029	2.984	6.6	20.8
4 1	13 18.60	− 2 15.8	1.998	2.989	3.1	20.6
4 11	13 10.65	− 1 36.3	1.995	2.993	2.3	20.5
4 21	13 2.90	− 1 2.6	2.021	2.997	5.6	20.8
5 1	12 56.14	− 0 38.9	2.074	3.001	9.1	21.0
5 11	12 50.98	− 0 27.8	2.150	3.005	12.2	21.2

228375 2000 WH_{70} 4 9.2 159.°55 2.°7/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.11	−18 42.1	2.527	3.270	13.1	21.6
3 12	13 33.43	−18 37.5	2.434	3.278	10.7	21.4
3 22	13 26.91	−18 18.1	2.363	3.284	7.8	21.2
4 1	13 19.05	−17 44.4	2.318	3.290	4.8	21.0
4 11	13 10.56	−16 58.9	2.302	3.296	2.7	20.9
4 21	13 2.24	−16 5.7	2.316	3.301	4.1	21.0
5 1	12 54.84	−15 9.9	2.358	3.305	7.1	21.2
5 11	12 48.95	−14 16.9	2.427	3.309	10.0	21.4

102930 1999 XO_{40} 4 9.2 182.°22 0.°7/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.10	− 7 42.3	2.101	2.893	13.9	20.7
3 12	13 35.29	− 7 16.7	2.011	2.894	10.8	20.5
3 22	13 28.31	− 6 40.5	1.944	2.895	7.2	20.3
4 1	13 19.74	− 5 56.6	1.904	2.894	3.3	20.0
4 11	13 10.41	− 5 9.8	1.893	2.893	1.3	19.9
4 21	13 1.24	− 4 25.4	1.910	2.892	5.3	20.1
5 1	12 53.15	− 3 48.5	1.956	2.889	9.2	20.4
5 11	12 46.82	− 3 23.1	2.026	2.886	12.6	20.6

497341 2005 UF_{85} 4 9.2 244.°97 1.°3/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.72	− 5 53.2	2.092	2.892	13.7	22.7
3 12	13 34.38	− 5 28.1	1.989	2.877	10.7	22.5
3 22	13 27.84	− 4 53.2	1.909	2.862	7.2	22.2
4 1	13 19.59	− 4 11.7	1.855	2.846	3.3	21.9
4 11	13 10.43	− 3 28.5	1.830	2.829	1.9	21.8
4 21	13 1.29	− 2 48.9	1.833	2.812	5.7	22.0
5 1	12 53.12	− 2 17.8	1.863	2.794	9.7	22.2
5 11	12 46.68	− 1 59.2	1.918	2.776	13.3	22.4

200227 1999 UU_{20} 4 9.2 217.°41 0.°9/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.66	− 8 28.8	2.091	2.892	13.6	21.5
3 12	13 31.10	− 7 44.6	2.000	2.889	10.6	21.3
3 22	13 25.53	− 6 47.7	1.932	2.885	7.1	21.1
4 1	13 18.47	− 5 41.9	1.891	2.882	3.2	20.8
4 11	13 10.69	− 4 32.9	1.878	2.878	1.5	20.7
4 21	13 3.06	− 3 27.1	1.893	2.874	5.4	20.9
5 1	12 56.41	− 2 30.3	1.935	2.870	9.2	21.1
5 11	12 51.41	− 1 47.1	2.002	2.865	12.6	21.3

470638 2008 SA_{86} 4 9.2 155.°73 2.°0/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.41	−17 36.0	2.152	2.918	14.4	22.1
3 12	13 30.89	−17 3.0	2.060	2.921	11.6	21.9
3 22	13 25.37	−16 11.6	1.990	2.924	8.3	21.7
4 1	13 18.38	−15 3.8	1.946	2.926	4.7	21.5
4 11	13 10.73	−13 43.9	1.930	2.929	2.0	21.3
4 21	13 3.26	−12 18.2	1.942	2.931	4.4	21.5
5 1	12 56.80	−10 54.0	1.983	2.933	8.0	21.7
5 11	12 51.99	− 9 38.1	2.049	2.934	11.4	21.9

6422 Akagi 4 9.2 275.°91 7.°9/31.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.13	+ 9 51.5	1.858	2.691	13.8	16.9
3 12	13 31.81	+11 29.3	1.777	2.675	11.2	16.7
3 22	13 26.20	+13 8.3	1.719	2.660	8.8	16.5
4 1	13 18.85	+14 39.1	1.687	2.644	7.9	16.4
4 11	13 10.62	+15 52.2	1.682	2.628	9.0	16.4
4 21	13 2.50	+16 40.8	1.701	2.612	11.6	16.5
5 1	12 55.47	+17 1.0	1.743	2.595	14.5	16.7
5 11	12 50.31	+16 53.1	1.804	2.579	17.3	16.8

146351 2001 OH_{97} 4 9.2 211.°69 1.°9/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.63	− 4 5.5	2.423	3.219	12.1	21.2
3 12	13 33.90	− 3 27.0	2.324	3.210	9.4	21.0
3 22	13 27.29	− 2 40.5	2.249	3.201	6.3	20.8
4 1	13 19.27	− 1 49.7	2.202	3.191	3.0	20.5
4 11	13 10.54	− 0 59.5	2.184	3.180	2.4	20.5
4 21	13 1.89	− 0 14.7	2.197	3.169	5.5	20.7
5 1	12 54.11	+ 0 20.3	2.237	3.156	8.9	20.8
5 11	12 47.83	+ 0 42.5	2.302	3.143	11.9	21.0

508259 2015 HH_{90} 4 9.2 245.°68 2.°7/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.99	− 0 11.5	2.388	3.196	11.9	21.5
3 12	13 32.63	+ 0 13.5	2.296	3.189	9.2	21.3
3 22	13 26.42	+ 0 42.9	2.228	3.182	6.2	21.1
4 1	13 18.86	+ 1 12.6	2.188	3.175	3.4	20.9
4 11	13 10.64	+ 1 38.4	2.176	3.167	3.2	20.9
4 21	13 2.53	+ 1 56.4	2.193	3.160	6.0	21.1
5 1	12 55.30	+ 2 3.5	2.238	3.152	9.1	21.3
5 11	12 49.55	+ 1 57.8	2.306	3.145	12.0	21.4

132175 2002 EA_{24} 4 9.2 292.°76 0.°9/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.82	− 8 58.7	1.503	2.321	17.2	20.0
3 12	13 33.18	− 8 27.0	1.397	2.294	13.7	19.7
3 22	13 27.66	− 7 37.4	1.311	2.267	9.3	19.4
4 1	13 19.74	− 6 32.8	1.249	2.240	4.3	19.0
4 11	13 10.40	− 5 19.9	1.212	2.213	1.6	18.8
4 21	13 0.89	− 4 7.4	1.201	2.185	7.1	19.0
5 1	12 52.58	− 3 4.8	1.214	2.158	12.5	19.2
5 11	12 46.59	− 2 19.9	1.249	2.131	17.3	19.4

26994 1997 XU_1 4 9.2 186.°55 4.°8/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.83	+ 6 34.8	2.574	3.388	11.0	18.9
3 12	13 31.53	+ 7 31.3	2.496	3.388	8.6	18.7
3 22	13 25.57	+ 8 28.4	2.442	3.387	6.3	18.6
4 1	13 18.42	+ 9 20.8	2.416	3.386	4.8	18.5
4 11	13 10.75	+10 3.3	2.419	3.385	5.4	18.5
4 21	13 3.25	+10 32.0	2.450	3.383	7.5	18.6
5 1	12 56.58	+10 44.5	2.508	3.381	9.9	18.8
5 11	12 51.27	+10 40.0	2.588	3.378	12.2	18.9

179790 2002 TE_{14} 4 9.2 207.°11 2.°3/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.19	− 3 16.9	2.109	2.914	13.4	21.4
3 12	13 34.61	− 2 38.4	2.017	2.908	10.4	21.2
3 22	13 27.90	− 1 51.6	1.948	2.902	6.9	21.0
4 1	13 19.58	− 1 0.9	1.906	2.896	3.4	20.7
4 11	13 10.49	− 0 11.8	1.893	2.889	2.9	20.7
4 21	13 1.52	+ 0 30.1	1.909	2.881	6.3	20.9
5 1	12 53.57	+ 1 0.1	1.952	2.872	9.9	21.1
5 11	12 47.35	+ 1 15.4	2.018	2.863	13.2	21.3

102460 1999 TN_{226} 4 9.2 298.°71 1.°4/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.36	−13 14.0	1.491	2.298	17.9	19.9
3 12	13 32.81	−13 5.3	1.390	2.278	14.4	19.6
3 22	13 27.38	−12 37.2	1.309	2.258	10.1	19.3
4 1	13 19.60	−11 50.6	1.251	2.238	5.2	19.0
4 11	13 10.45	−10 50.2	1.218	2.219	1.5	18.7
4 21	13 1.24	− 9 43.3	1.210	2.199	6.1	18.9
5 1	12 53.30	− 8 39.1	1.227	2.180	11.4	19.1
5 11	12 47.72	− 7 46.3	1.265	2.162	16.2	19.4

457445 2008 UU_{126} 4 9.2 192.°03 0.°9/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.92	−13 43.4	1.927	2.705	15.4	22.5
3 12	13 35.45	−13 12.1	1.832	2.704	12.3	22.3
3 22	13 28.60	−12 23.4	1.759	2.702	8.5	22.1
4 1	13 19.95	−11 19.5	1.712	2.698	4.3	21.8
4 11	13 10.41	−10 5.6	1.693	2.694	1.0	21.6
4 21	13 1.02	− 8 48.5	1.703	2.690	5.1	21.8
5 1	12 52.80	− 7 35.8	1.740	2.684	9.4	22.1
5 11	12 46.53	− 6 34.3	1.803	2.677	13.2	22.3

131016 2000 XX_{25} 4 9.2 131.°09 3.°0/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.03	+ 0 19.5	2.290	3.094	12.5	20.4
3 12	13 34.87	+ 0 51.1	2.217	3.108	9.6	20.2
3 22	13 27.83	+ 1 26.5	2.168	3.120	6.5	20.0
4 1	13 19.46	+ 2 1.4	2.147	3.133	3.6	19.9
4 11	13 10.56	+ 2 31.1	2.155	3.144	3.5	19.9
4 21	13 1.93	+ 2 51.7	2.192	3.156	6.2	20.1
5 1	12 54.34	+ 3 0.2	2.257	3.167	9.3	20.3
5 11	12 48.37	+ 2 55.4	2.345	3.177	12.1	20.5

205570 2001 SU_{324} 4 9.2 247.°05 2.°6/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.18	−15 46.2	1.673	2.454	17.3	21.7
3 12	13 36.30	−15 48.9	1.570	2.440	14.1	21.4
3 22	13 29.59	−15 32.8	1.487	2.425	10.2	21.1
4 1	13 20.58	−14 58.0	1.428	2.409	5.8	20.8
4 11	13 10.27	−14 7.4	1.394	2.393	2.6	20.6
4 21	12 59.91	−13 6.8	1.388	2.377	5.7	20.8
5 1	12 50.80	−12 4.4	1.408	2.360	10.4	21.0
5 11	12 43.97	−11 8.5	1.451	2.342	14.8	21.2

83957 2001 XO_{35} 4 9.2 170.°37 1.°0/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.09	−11 56.5	2.611	3.383	12.0	19.6
3 12	13 32.57	−11 57.0	2.517	3.385	9.5	19.4
3 22	13 26.33	−11 47.5	2.446	3.387	6.6	19.2
4 1	13 18.82	−11 29.4	2.403	3.388	3.4	19.0
4 11	13 10.70	−11 5.3	2.388	3.389	1.0	18.8
4 21	13 2.71	−10 38.3	2.404	3.390	3.8	19.0
5 1	12 55.53	−10 12.3	2.448	3.391	7.0	19.2
5 11	12 49.76	− 9 50.9	2.518	3.391	9.9	19.4

427301 2014 WR_{260} 4 9.2 45.°61 3.°0/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.93	− 3 32.0	1.562	2.390	16.2	21.4
3 12	13 32.63	− 2 41.2	1.492	2.396	12.5	21.2
3 22	13 26.81	− 1 39.7	1.443	2.402	8.3	21.0
4 1	13 19.14	− 0 33.7	1.419	2.409	4.2	20.7
4 11	13 10.65	+ 0 28.7	1.421	2.415	3.7	20.7
4 21	13 2.47	+ 1 20.0	1.449	2.422	7.6	21.0
5 1	12 55.67	+ 1 54.2	1.502	2.429	11.8	21.2
5 11	12 50.99	+ 2 8.6	1.576	2.437	15.5	21.5

276519 2003 RU_{12} 4 9.2 199.°36 1.°2/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.11	− 5 10.6	2.609	3.399	11.5	21.3
3 12	13 33.35	− 4 48.1	2.512	3.396	8.9	21.2
3 22	13 26.84	− 4 18.6	2.440	3.391	5.9	21.0
4 1	13 19.06	− 3 44.9	2.396	3.386	2.7	20.7
4 11	13 10.67	− 3 10.7	2.382	3.380	1.6	20.6
4 21	13 2.37	− 2 39.9	2.397	3.374	4.7	20.8
5 1	12 54.89	− 2 16.1	2.441	3.368	7.9	21.0
5 11	12 48.80	− 2 2.1	2.511	3.360	10.8	21.2

289085 Andreweil 4 9.2 71.°65 0.°7/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.36	− 9 57.7	1.395	2.204	18.8	20.9
3 12	13 37.96	−10 4.7	1.329	2.219	14.8	20.7
3 22	13 30.55	− 9 56.8	1.282	2.233	10.1	20.4
4 1	13 20.89	− 9 36.5	1.258	2.247	4.8	20.2
4 11	13 10.28	− 9 8.4	1.260	2.262	1.0	19.9
4 21	13 0.11	− 8 38.8	1.288	2.276	6.2	20.3
5 1	12 51.66	− 8 14.3	1.341	2.290	11.1	20.6
5 11	12 45.80	− 8 0.1	1.416	2.305	15.3	20.9

392478 2011 GJ_{74} 4 9.2 175.°74 4.°2/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.97	+ 3 36.0	2.078	2.892	13.2	21.3
3 12	13 35.14	+ 4 6.0	1.998	2.893	10.3	21.1
3 22	13 28.20	+ 4 37.9	1.942	2.894	7.2	20.9
4 1	13 19.72	+ 5 6.4	1.913	2.894	4.6	20.7
4 11	13 10.55	+ 5 26.5	1.911	2.894	4.8	20.7
4 21	13 1.59	+ 5 33.9	1.938	2.894	7.5	20.9
5 1	12 53.74	+ 5 26.3	1.991	2.894	10.7	21.1
5 11	12 47.65	+ 5 3.0	2.067	2.894	13.6	21.3

238001 2002 TC_{105} 4 9.2 177.°55 0.°8/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.38	−12 56.0	2.543	3.316	12.3	21.6
3 12	13 31.31	−12 35.3	2.449	3.318	9.7	21.4
3 22	13 25.51	−12 2.5	2.378	3.319	6.7	21.2
4 1	13 18.46	−11 19.6	2.334	3.320	3.4	21.0
4 11	13 10.82	−10 30.0	2.319	3.320	0.9	20.8
4 21	13 3.31	− 9 38.1	2.333	3.320	3.9	21.0
5 1	12 56.63	− 8 48.7	2.376	3.319	7.2	21.2
5 11	12 51.35	− 8 6.0	2.445	3.318	10.2	21.4

241681 2000 RX_8 4 9.2 198.°25 0.°7/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.63	−13 10.4	3.041	3.807	10.6	20.8
3 12	13 29.68	−12 41.2	2.939	3.804	8.4	20.6
3 22	13 24.29	−12 1.3	2.860	3.800	5.8	20.4
4 1	13 17.87	−11 12.3	2.810	3.795	2.9	20.2
4 11	13 10.95	−10 17.5	2.789	3.790	0.7	20.0
4 21	13 4.12	− 9 20.6	2.799	3.785	3.4	20.3
5 1	12 57.96	− 8 26.0	2.838	3.779	6.3	20.4
5 11	12 52.94	− 7 37.3	2.904	3.772	8.9	20.6

182083 2000 HS_{51} 4 9.2 335.°84 1.°3/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.24	− 6 32.4	1.537	2.360	16.7	19.5
3 12	13 33.12	− 6 11.3	1.454	2.354	13.1	19.2
3 22	13 27.33	− 5 37.5	1.392	2.349	8.7	19.0
4 1	13 19.47	− 4 55.2	1.353	2.345	4.0	18.7
4 11	13 10.59	− 4 10.6	1.340	2.340	2.0	18.5
4 21	13 1.88	− 3 30.5	1.353	2.337	6.7	18.8
5 1	12 54.51	− 3 1.3	1.391	2.333	11.4	19.1
5 11	12 49.36	− 2 47.6	1.451	2.330	15.5	19.3

224527 2005 WC_{90} 4 9.2 153.°97 1.°1/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.38	− 6 41.2	2.152	2.949	13.4	21.0
3 12	13 33.86	− 6 13.6	2.069	2.955	10.4	20.8
3 22	13 27.31	− 5 36.4	2.009	2.961	6.9	20.6
4 1	13 19.31	− 4 53.0	1.976	2.967	3.1	20.4
4 11	13 10.65	− 4 8.2	1.972	2.972	1.6	20.2
4 21	13 2.19	− 3 27.0	1.996	2.976	5.2	20.5
5 1	12 54.78	− 2 54.1	2.048	2.980	8.9	20.7
5 11	12 49.04	− 2 32.7	2.125	2.984	12.1	20.9

439498 2014 AN_{19} 4 9.2 77.°56 2.°6/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.65	−17 35.4	2.209	2.970	14.2	21.3
3 12	13 31.79	−17 35.2	2.125	2.981	11.5	21.1
3 22	13 25.95	−17 19.6	2.063	2.991	8.4	20.9
4 1	13 18.69	−16 49.1	2.026	3.002	5.0	20.7
4 11	13 10.78	−16 6.8	2.016	3.012	2.7	20.6
4 21	13 3.08	−15 17.2	2.035	3.022	4.4	20.7
5 1	12 56.39	−14 25.7	2.082	3.033	7.6	20.9
5 11	12 51.34	−13 38.0	2.154	3.043	10.7	21.2

306656 2000 SL_{189} 4 9.2 184.°75 1.°4/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.78	−16 2.6	2.376	3.140	13.3	21.4
3 12	13 31.77	−15 25.3	2.279	3.140	10.6	21.2
3 22	13 25.90	−14 31.9	2.204	3.140	7.5	21.0
4 1	13 18.67	−13 24.2	2.156	3.139	4.0	20.8
4 11	13 10.79	−12 6.8	2.137	3.138	1.4	20.6
4 21	13 3.06	−10 45.1	2.148	3.136	4.1	20.8
5 1	12 56.25	− 9 25.7	2.188	3.133	7.6	21.0
5 11	12 50.96	− 8 14.6	2.253	3.130	10.8	21.2

323464 2004 KM_3 4 9.2 342.°41 2.°8/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.13	− 3 11.8	1.475	2.307	16.8	19.9
3 12	13 33.11	− 2 43.0	1.395	2.301	13.1	19.6
3 22	13 27.36	− 2 4.1	1.336	2.296	8.7	19.3
4 1	13 19.50	− 1 20.5	1.301	2.291	4.3	19.1
4 11	13 10.61	− 0 39.5	1.291	2.287	3.5	19.0
4 21	13 1.91	− 0 7.8	1.306	2.284	7.7	19.2
5 1	12 54.60	+ 0 8.6	1.346	2.281	12.3	19.5
5 11	12 49.58	+ 0 6.8	1.406	2.279	16.3	19.7

309582 2008 AZ_{98} 4 9.2 268.°37 5.°8/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.32	+ 9 0.1	2.429	3.250	11.3	21.0
3 12	13 30.61	+10 8.5	2.342	3.236	9.1	20.8
3 22	13 25.12	+11 17.1	2.280	3.221	7.0	20.6
4 1	13 18.32	+12 19.6	2.245	3.206	5.9	20.5
4 11	13 10.88	+13 9.8	2.237	3.190	6.6	20.6
4 21	13 3.52	+13 43.2	2.256	3.175	8.7	20.7
5 1	12 56.99	+13 57.0	2.301	3.160	11.2	20.8
5 11	12 51.87	+13 50.5	2.367	3.144	13.6	20.9

169577 2002 GO_{14} 4 9.2 23.°46 1.°1/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.67	− 8 59.1	1.147	1.977	20.8	19.2
3 12	13 37.33	− 9 34.1	1.083	1.984	16.5	18.9
3 22	13 30.52	− 9 55.4	1.037	1.992	11.3	18.7
4 1	13 21.03	−10 4.1	1.011	2.001	5.5	18.4
4 11	13 10.31	−10 3.7	1.010	2.012	1.4	18.1
4 21	13 0.00	− 9 59.3	1.033	2.023	6.8	18.5
5 1	12 51.65	− 9 57.3	1.078	2.035	12.2	18.8
5 11	12 46.29	−10 3.2	1.144	2.048	16.9	19.1

402888 2007 RT_{322} 4 9.2 219.°76 0.°0/ 9.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.74	−11 32.9	1.781	2.576	15.9	22.2
3 12	13 34.00	−10 53.9	1.686	2.570	12.5	21.9
3 22	13 27.79	− 9 57.6	1.613	2.562	8.5	21.7
4 1	13 19.68	− 8 46.8	1.565	2.555	4.0	21.4
4 11	13 10.60	− 7 27.9	1.545	2.547	0.9	21.1
4 21	13 1.63	− 6 8.4	1.552	2.538	5.7	21.4
5 1	12 53.85	− 4 56.6	1.587	2.529	10.2	21.7
5 11	12 48.09	− 3 59.1	1.644	2.519	14.3	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
315256	2007 TK_{12}		4	9.2	132.°93	0.°9/ 8.4 18
	h m	° ′			°	m
3 2	13 42.09	− 7 14.0	1.951	2.745	14.7	21.7
3 12	13 36.86	− 6 49.6	1.876	2.760	11.4	21.5
3 22	13 29.37	− 6 14.7	1.824	2.774	7.6	21.3
4 1	13 20.27	− 5 32.8	1.798	2.788	3.4	21.0
4 11	13 10.50	− 4 49.0	1.801	2.801	1.4	20.9
4 21	13 1.04	− 4 8.6	1.833	2.814	5.5	21.2
5 1	12 52.84	− 3 36.7	1.892	2.825	9.4	21.5
5 11	12 46.57	− 3 16.9	1.975	2.836	12.8	21.7
292682	2006 UN_{92}		4	9.2	218.°68	0.°0/ 9.2 18
3 2	13 32.91	−11 20.1	2.454	3.240	12.3	21.1
3 12	13 29.49	−10 40.5	2.358	3.237	9.6	20.9
3 22	13 24.35	− 9 48.4	2.286	3.234	6.5	20.7
4 1	13 17.96	− 8 46.4	2.241	3.230	3.0	20.5
4 11	13 10.99	− 7 39.2	2.225	3.227	0.6	20.3
4 21	13 4.13	− 6 32.0	2.239	3.224	4.3	20.6
5 1	12 58.09	− 5 30.1	2.280	3.220	7.7	20.8
5 11	12 53.43	− 4 38.1	2.347	3.216	10.7	21.0
299433	2006 AS_{39}		4	9.2	69.°42	2.°2/10.8 18
3 2	13 39.41	−14 36.5	1.360	2.162	19.5	21.8
3 12	13 35.86	−14 36.2	1.290	2.173	15.6	21.6
3 22	13 29.26	−14 15.2	1.239	2.184	11.0	21.3
4 1	13 20.38	−13 34.9	1.211	2.196	5.9	21.1
4 11	13 10.47	−12 40.6	1.207	2.207	2.2	20.9
4 21	13 0.95	−11 40.0	1.229	2.219	6.0	21.2
5 1	12 53.13	−10 42.3	1.275	2.230	10.9	21.5
5 11	12 47.90	− 9 55.4	1.344	2.242	15.3	21.7
498114	2007 RN_{325}		4	9.2	159.°01	0.°5/ 8.6 17
3 2	13 35.81	− 7 52.4	2.939	3.721	10.6	22.7
3 12	13 31.32	− 7 27.1	2.851	3.728	8.2	22.5
3 22	13 25.37	− 6 54.0	2.787	3.735	5.4	22.3
4 1	13 18.37	− 6 15.7	2.751	3.741	2.4	22.1
4 11	13 10.92	− 5 35.4	2.746	3.747	0.9	22.0
4 21	13 3.61	− 4 56.7	2.771	3.752	3.9	22.2
5 1	12 57.03	− 4 23.1	2.825	3.757	6.8	22.4
5 11	12 51.66	− 3 57.3	2.905	3.761	9.3	22.6
380482	2004 AG_4		4	9.2	42.°79	1.°1/ 8.3 17
3 2	13 35.66	− 6 56.2	1.754	2.568	15.3	20.7
3 12	13 32.09	− 6 30.7	1.689	2.584	11.8	20.5
3 22	13 26.27	− 5 54.3	1.645	2.601	7.8	20.3
4 1	13 18.87	− 5 11.0	1.627	2.618	3.5	20.1
4 11	13 10.82	− 4 26.6	1.635	2.635	1.6	20.0
4 21	13 3.13	− 3 46.8	1.671	2.653	5.7	20.3
5 1	12 56.68	− 3 16.9	1.732	2.671	9.7	20.6
5 11	12 52.15	− 3 0.1	1.817	2.690	13.2	20.8
519289	2011 BN_{168}		4	9.2	132.°64	4.°6/13.5 17
3 2	13 38.52	−22 3.4	2.007	2.749	16.1	22.5
3 12	13 34.39	−22 19.8	1.918	2.755	13.4	22.3
3 22	13 27.92	−22 17.0	1.850	2.761	10.2	22.1
4 1	13 19.70	−21 54.0	1.805	2.767	7.0	21.9
4 11	13 10.63	−21 12.6	1.787	2.772	4.7	21.8
4 21	13 1.73	−20 17.3	1.796	2.778	5.5	21.8
5 1	12 54.01	−19 14.6	1.832	2.783	8.5	22.0
5 11	12 48.22	−18 12.1	1.893	2.787	11.7	22.2
20206	1997 FA_4		4	9.2	314.°04	0.°8/ 9.9 18
3 2	13 38.84	−10 2.0	2.336	3.117	13.0	18.3
3 12	13 34.21	−10 18.8	2.240	3.114	10.3	18.1
3 22	13 27.60	−10 26.9	2.167	3.111	7.1	17.9
4 1	13 19.51	−10 27.3	2.121	3.107	3.5	17.6
4 11	13 10.67	−10 22.2	2.103	3.104	0.9	17.4
4 21	13 1.91	−10 14.5	2.115	3.101	4.3	17.7
5 1	12 54.06	−10 7.7	2.155	3.099	7.8	17.9
5 11	12 47.79	−10 5.1	2.220	3.096	11.0	18.1
388344	2006 TW_{63}		4	9.2	194.°50	1.°5/ 7.2 17
3 2	13 33.18	− 5 37.2	2.898	3.692	10.4	22.0
3 12	13 29.37	− 4 42.9	2.803	3.690	8.0	21.8
3 22	13 24.12	− 3 40.6	2.734	3.687	5.3	21.7
4 1	13 17.82	− 2 33.7	2.694	3.684	2.5	21.5
4 11	13 11.04	− 1 26.7	2.684	3.680	1.9	21.4
4 21	13 4.37	− 0 24.3	2.704	3.676	4.6	21.6
5 1	12 58.38	+ 0 29.5	2.752	3.671	7.5	21.8
5 11	12 53.56	+ 1 11.7	2.827	3.666	10.0	21.9
366680	2003 UQ_{134}		4	9.2	99.°61	3.°2/12.4 18
3 2	13 38.01	−20 21.0	1.737	2.500	17.5	21.0
3 12	13 34.10	−19 54.1	1.663	2.518	14.2	20.8
3 22	13 27.72	−19 3.8	1.608	2.535	10.4	20.6
4 1	13 19.57	−17 51.5	1.577	2.552	6.3	20.4
4 11	13 10.69	−16 22.6	1.573	2.569	3.2	20.3
4 21	13 2.20	−14 45.1	1.597	2.585	5.1	20.4
5 1	12 55.09	−13 8.5	1.648	2.601	9.0	20.7
5 11	12 50.10	−11 41.5	1.724	2.617	12.7	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
385656	2005 RK_{51}		4	9.2	293.°08	5.°0/13.5 16
	h m	° ′			°	m
3 2	13 38.00	−22 7.5	2.300	3.033	14.5	21.0
3 12	13 34.04	−22 45.5	2.177	3.006	12.3	20.8
3 22	13 27.83	−23 8.8	2.075	2.980	9.7	20.6
4 1	13 19.77	−23 15.2	1.998	2.953	6.9	20.4
4 11	13 10.60	−23 4.5	1.946	2.926	5.1	20.2
4 21	13 1.24	−22 38.3	1.923	2.899	5.8	20.2
5 1	12 52.68	−22 1.2	1.927	2.873	8.5	20.3
5 11	12 45.79	−21 19.1	1.956	2.846	11.6	20.4
434038	2001 SG_{249}		4	9.2	209.°06	0.°4/ 8.7 17
3 2	13 34.20	− 9 5.3	2.770	3.554	11.1	22.1
3 12	13 30.28	− 8 30.3	2.670	3.549	8.6	21.9
3 22	13 24.79	− 7 45.5	2.594	3.543	5.8	21.7
4 1	13 18.16	− 6 53.6	2.546	3.536	2.6	21.5
4 11	13 10.98	− 5 58.5	2.528	3.529	0.9	21.3
4 21	13 3.89	− 5 4.4	2.540	3.522	4.1	21.5
5 1	12 57.52	− 4 15.7	2.581	3.514	7.2	21.7
5 11	12 52.39	− 3 36.0	2.647	3.506	10.0	21.9
458734	2011 OC_3		4	9.2	292.°86	5.°5/ 4.9 17
3 2	13 35.99	− 0 49.0	1.295	2.139	17.9	20.8
3 12	13 33.74	+ 0 25.3	1.199	2.112	14.1	20.5
3 22	13 28.31	+ 1 55.2	1.123	2.085	9.8	20.2
4 1	13 20.20	+ 3 32.3	1.070	2.057	6.0	19.9
4 11	13 10.50	+ 5 4.5	1.042	2.030	6.6	19.8
4 21	13 0.63	+ 6 19.3	1.037	2.002	11.2	20.0
5 1	12 52.14	+ 7 7.0	1.055	1.975	16.4	20.2
5 11	12 46.27	+ 7 22.8	1.090	1.947	21.1	20.4
371217	2006 AA_{101}		4	9.2	129.°22	1.°0/ 8.1 17
3 2	13 37.26	− 7 21.5	2.218	3.013	13.1	21.8
3 12	13 32.89	− 6 43.2	2.140	3.026	10.2	21.6
3 22	13 26.62	− 5 54.7	2.086	3.038	6.7	21.4
4 1	13 19.00	− 4 59.8	2.059	3.050	3.0	21.2
4 11	13 10.82	− 4 3.6	2.061	3.061	1.5	21.1
4 21	13 2.88	− 3 11.4	2.093	3.072	5.1	21.4
5 1	12 55.96	− 2 28.0	2.151	3.082	8.6	21.6
5 11	12 50.64	− 1 56.9	2.235	3.092	11.7	21.8
518391	2017 TF_{10}		4	9.3	239.°43	3.°1/12.6 17
3 2	13 36.09	−20 32.2	2.226	2.973	14.6	21.9
3 12	13 32.37	−20 14.2	2.115	2.960	12.0	21.7
3 22	13 26.55	−19 36.8	2.025	2.946	9.0	21.5
4 1	13 19.10	−18 40.2	1.961	2.932	5.6	21.3
4 11	13 10.79	−17 27.1	1.924	2.917	3.2	21.1
4 21	13 2.52	−16 3.0	1.915	2.902	4.7	21.1
5 1	12 55.19	−14 35.0	1.935	2.886	8.1	21.3
5 11	12 49.53	−13 10.8	1.981	2.870	11.5	21.5
16458	1989 WZ_2		4	9.3	183.°25	0.°5/ 8.7 18
3 2	13 37.46	− 6 47.6	2.756	3.541	11.1	18.6
3 12	13 32.76	− 6 40.7	2.662	3.541	8.7	18.5
3 22	13 26.43	− 6 27.0	2.593	3.541	5.8	18.3
4 1	13 18.92	− 6 8.7	2.551	3.541	2.6	18.1
4 11	13 10.85	− 5 48.5	2.539	3.540	0.9	17.9
4 21	13 2.89	− 5 29.5	2.557	3.539	4.1	18.2
5 1	12 55.70	− 5 15.0	2.604	3.538	7.2	18.3
5 11	12 49.82	− 5 7.4	2.677	3.536	9.9	18.5
343005	2009 BB_{81}		4	9.3	155.°29	1.°5/10.7 18
3 2	13 39.41	−13 5.5	2.498	3.263	12.7	21.1
3 12	13 34.49	−13 18.2	2.406	3.268	10.1	20.9
3 22	13 27.71	−13 20.5	2.336	3.272	7.1	20.7
4 1	13 19.54	−13 13.0	2.294	3.276	3.8	20.5
4 11	13 10.72	−12 57.9	2.280	3.279	1.5	20.4
4 21	13 2.02	−12 38.3	2.296	3.283	4.0	20.6
5 1	12 54.21	−12 17.9	2.341	3.286	7.2	20.8
5 11	12 47.92	−12 0.5	2.412	3.289	10.2	21.0
205812	2002 CY_{201}		4	9.3	30.°50	2.°9/11.1 18
3 2	13 40.53	−14 19.4	1.417	2.215	19.1	20.1
3 12	13 36.83	−14 46.1	1.338	2.217	15.4	19.8
3 22	13 30.04	−14 55.4	1.278	2.220	11.0	19.6
4 1	13 20.83	−14 46.9	1.240	2.223	6.2	19.3
4 11	13 10.43	−14 23.5	1.227	2.226	2.9	19.1
4 21	13 0.23	−13 50.6	1.240	2.230	6.1	19.3
5 1	12 51.64	−13 15.5	1.278	2.233	10.9	19.6
5 11	12 45.64	−12 46.0	1.337	2.237	15.3	19.8
11983	1995 UH_6		4	9.3	185.°83	1.°0/ 8.4 18
3 2	13 38.38	− 6 18.9	2.044	2.844	13.9	18.6
3 12	13 34.06	− 6 3.4	1.956	2.844	10.8	18.4
3 22	13 27.60	− 5 38.7	1.892	2.844	7.2	18.2
4 1	13 19.54	− 5 8.0	1.853	2.844	3.3	17.9
4 11	13 10.72	− 4 35.6	1.843	2.843	1.5	17.8
4 21	13 2.06	− 4 6.2	1.861	2.843	5.4	18.1
5 1	12 54.47	− 3 44.4	1.906	2.842	9.2	18.3
5 11	12 48.63	− 3 33.6	1.976	2.841	12.6	18.5

214769 2006 UA_{47} 4 9.3 246.°47 1.°0/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.25	− 6 29.4	2.696	3.487	11.2	21.3
3 12	13 31.21	− 6 0.8	2.587	3.471	8.7	21.1
3 22	13 25.50	− 5 24.0	2.504	3.455	5.8	20.8
4 1	13 18.54	− 4 41.7	2.448	3.438	2.6	20.6
4 11	13 10.93	− 3 57.6	2.421	3.421	1.4	20.5
4 21	13 3.35	− 3 15.8	2.424	3.403	4.5	20.7
5 1	12 56.47	− 2 40.4	2.456	3.385	7.8	20.9
5 11	12 50.88	− 2 14.7	2.513	3.366	10.6	21.0

300799 2007 VZ_{331} 4 9.3 327.°50 7.°8/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.12	+15 51.2	2.297	3.113	12.1	20.0
3 12	13 32.02	+17 2.0	2.233	3.113	10.0	19.9
3 22	13 26.05	+18 6.9	2.193	3.113	8.4	19.8
4 1	13 18.76	+18 58.8	2.179	3.112	7.9	19.7
4 11	13 10.90	+19 31.9	2.191	3.112	8.7	19.8
4 21	13 3.29	+19 42.6	2.228	3.112	10.4	19.9
5 1	12 56.66	+19 29.9	2.289	3.111	12.5	20.0
5 11	12 51.60	+18 55.4	2.369	3.111	14.5	20.2

413289 2003 US_{155} 4 9.3 110.°43 3.°1/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.41	− 3 0.8	1.604	2.427	16.1	21.7
3 12	13 34.55	− 2 12.4	1.531	2.432	12.4	21.5
3 22	13 28.13	− 1 14.1	1.480	2.438	8.3	21.3
4 1	13 19.83	− 0 11.8	1.454	2.444	4.2	21.0
4 11	13 10.68	+ 0 46.5	1.455	2.449	3.8	21.0
4 21	13 1.85	+ 1 33.7	1.482	2.455	7.6	21.3
5 1	12 54.39	+ 2 4.2	1.535	2.460	11.8	21.5
5 11	12 49.10	+ 2 15.3	1.609	2.465	15.5	21.7

299815 2006 SM_{143} 4 9.3 3.°90 0.°6/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.11	−11 40.9	2.101	2.892	13.9	20.9
3 12	13 30.74	−11 24.5	2.012	2.892	11.0	20.7
3 22	13 25.36	−10 55.0	1.946	2.892	7.5	20.5
4 1	13 18.51	−10 14.7	1.905	2.893	3.7	20.3
4 11	13 10.96	− 9 27.6	1.892	2.893	0.8	20.0
4 21	13 3.55	− 8 39.0	1.907	2.894	4.6	20.3
5 1	12 57.13	− 7 54.2	1.949	2.895	8.4	20.5
5 11	12 52.34	− 7 18.1	2.015	2.896	11.7	20.7

498505 2008 DX_{18} 4 9.3 125.°27 4.°3/ 3.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.00	+ 5 47.0	2.877	3.689	10.0	22.0
3 12	13 29.90	+ 7 0.5	2.813	3.705	7.8	21.8
3 22	13 24.40	+ 8 14.7	2.776	3.721	5.6	21.7
4 1	13 17.94	+ 9 24.6	2.767	3.736	4.4	21.7
4 11	13 11.10	+10 25.1	2.788	3.751	4.9	21.7
4 21	13 4.46	+11 12.5	2.838	3.765	6.8	21.9
5 1	12 58.58	+11 44.2	2.914	3.779	8.9	22.0
5 11	12 53.90	+11 59.5	3.014	3.792	10.9	22.2

148932 2001 XR_{92} 4 9.3 243.°47 0.°3/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.21	− 8 52.0	2.001	2.797	14.4	20.0
3 12	13 34.13	− 8 34.9	1.902	2.786	11.3	19.7
3 22	13 27.79	− 8 5.8	1.825	2.775	7.7	19.5
4 1	13 19.70	− 7 27.5	1.774	2.764	3.5	19.2
4 11	13 10.70	− 6 44.2	1.751	2.752	0.9	19.0
4 21	13 1.75	− 6 1.3	1.756	2.740	5.3	19.2
5 1	12 53.82	− 5 24.4	1.788	2.728	9.4	19.5
5 11	12 47.70	− 4 58.1	1.844	2.715	13.1	19.7

283564 2001 VB_{74} 4 9.3 114.°65 6.°0/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.81	−31 19.6	2.710	3.377	13.9	21.1
3 12	13 32.53	−31 36.2	2.622	3.392	12.1	21.0
3 22	13 26.40	−31 33.5	2.552	3.406	10.0	20.8
4 1	13 18.94	−31 10.1	2.505	3.420	7.9	20.7
4 11	13 10.88	−30 26.7	2.485	3.434	6.3	20.6
4 21	13 3.02	−29 26.4	2.492	3.447	6.1	20.6
5 1	12 56.10	−28 14.2	2.527	3.460	7.4	20.7
5 11	12 50.73	−26 56.7	2.588	3.473	9.3	20.9

440196 2004 FK_{158} 4 9.3 49.°16 1.°5/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.33	−13 44.5	2.738	3.506	11.6	20.8
3 12	13 30.33	−13 49.4	2.658	3.522	9.2	20.7
3 22	13 24.78	−13 44.1	2.602	3.538	6.5	20.5
4 1	13 18.15	−13 29.8	2.572	3.554	3.5	20.3
4 11	13 11.06	−13 8.7	2.571	3.570	1.5	20.2
4 21	13 4.13	−12 43.8	2.600	3.587	3.5	20.4
5 1	12 58.01	−12 18.8	2.657	3.604	6.4	20.6
5 11	12 53.17	−11 57.1	2.739	3.621	9.0	20.8

423785 2006 FG_3 4 9.3 57.°95 1.°4/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.05	− 9 31.0	1.702	2.514	15.8	21.0
3 12	13 30.86	− 8 16.0	1.641	2.536	12.2	20.8
3 22	13 25.45	− 6 45.2	1.602	2.558	8.0	20.6
4 1	13 18.51	− 5 4.9	1.589	2.580	3.5	20.4
4 11	13 10.99	− 3 24.1	1.603	2.603	2.0	20.3
4 21	13 3.87	− 1 51.3	1.645	2.625	6.2	20.7
5 1	12 58.04	− 0 34.2	1.714	2.648	10.2	20.9
5 11	12 54.09	+ 0 23.0	1.805	2.670	13.6	21.2

24166 1999 WW_3 4 9.3 116.°81 4.°5/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.74	+ 1 23.3	1.816	2.636	14.6	18.2
3 12	13 35.15	+ 2 24.5	1.752	2.650	11.3	18.0
3 22	13 28.29	+ 3 30.6	1.710	2.665	7.7	17.8
4 1	13 19.82	+ 4 34.8	1.695	2.678	4.9	17.7
4 11	13 10.71	+ 5 29.7	1.708	2.692	5.1	17.7
4 21	13 1.98	+ 6 9.6	1.748	2.705	8.2	17.9
5 1	12 54.53	+ 6 30.5	1.814	2.717	11.5	18.2
5 11	12 49.05	+ 6 31.6	1.901	2.729	14.6	18.4

105435 2000 QJ_{177} 4 9.3 82.°75 2.°7/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.59	−18 8.3	2.393	3.145	13.5	18.8
3 12	13 32.33	−18 11.3	2.314	3.163	10.9	18.6
3 22	13 26.24	−17 59.7	2.258	3.182	8.0	18.4
4 1	13 18.85	−17 34.2	2.227	3.200	4.9	18.3
4 11	13 10.91	−16 57.5	2.224	3.218	2.7	18.2
4 21	13 3.21	−16 13.5	2.251	3.236	4.1	18.3
5 1	12 56.48	−15 27.1	2.305	3.254	7.1	18.5
5 11	12 51.29	−14 43.5	2.385	3.272	9.9	18.7

196508 2003 MY_{12} 4 9.3 259.°78 5.°4/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.85	+ 4 52.3	2.149	2.971	12.6	20.6
3 12	13 32.11	+ 6 5.7	2.055	2.953	9.9	20.4
3 22	13 26.33	+ 7 23.3	1.986	2.935	7.2	20.2
4 1	13 18.99	+ 8 38.4	1.943	2.917	5.4	20.0
4 11	13 10.86	+ 9 43.6	1.928	2.898	6.2	20.0
4 21	13 2.78	+10 32.9	1.941	2.878	8.8	20.1
5 1	12 55.61	+11 1.9	1.979	2.859	11.8	20.3
5 11	12 50.05	+11 9.1	2.038	2.839	14.7	20.4

277673 2006 BG_{217} 4 9.3 91.°83 2.°6/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.13	− 2 59.7	1.899	2.714	14.3	21.0
3 12	13 33.13	− 2 20.3	1.825	2.722	11.0	20.8
3 22	13 26.97	− 1 33.0	1.773	2.730	7.3	20.6
4 1	13 19.24	− 0 42.6	1.748	2.738	3.6	20.3
4 11	13 10.83	+ 0 4.7	1.750	2.745	3.1	20.3
4 21	13 2.69	+ 0 43.4	1.780	2.753	6.6	20.5
5 1	12 55.70	+ 1 8.9	1.836	2.761	10.2	20.8
5 11	12 50.54	+ 1 18.7	1.915	2.768	13.5	21.0

102931 1999 XE_{41} 4 9.3 248.°45 0.°8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.63	−12 1.5	1.964	2.747	15.0	20.4
3 12	13 35.43	−11 48.0	1.854	2.729	12.0	20.1
3 22	13 28.80	−11 19.9	1.766	2.711	8.3	19.9
4 1	13 20.24	−10 38.6	1.704	2.691	4.2	19.6
4 11	13 10.59	− 9 47.9	1.669	2.671	0.9	19.3
4 21	13 0.88	− 8 53.4	1.663	2.650	5.2	19.6
5 1	12 52.18	− 8 1.7	1.685	2.629	9.6	19.8
5 11	12 45.38	− 7 18.9	1.730	2.606	13.6	20.0

252993 2002 QR_{102} 4 9.3 272.°87 3.°5/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.87	− 1 45.2	1.672	2.495	15.5	21.1
3 12	13 34.31	− 0 59.7	1.578	2.480	12.1	20.8
3 22	13 28.16	− 0 4.5	1.506	2.464	8.2	20.5
4 1	13 19.95	+ 0 54.6	1.460	2.448	4.4	20.3
4 11	13 10.65	+ 1 50.1	1.439	2.432	4.2	20.2
4 21	13 1.40	+ 2 34.5	1.446	2.416	8.1	20.4
5 1	12 53.34	+ 3 2.0	1.477	2.399	12.4	20.6
5 11	12 47.38	+ 3 9.2	1.530	2.383	16.3	20.8

38938 2000 SU_{258} 4 9.3 260.°31 3.°3/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.45	− 4 5.2	1.587	2.412	16.1	19.6
3 12	13 33.28	− 3 1.8	1.498	2.401	12.5	19.3
3 22	13 27.48	− 1 44.6	1.431	2.390	8.4	19.0
4 1	13 19.64	− 0 19.8	1.389	2.379	4.3	18.8
4 11	13 10.73	+ 1 3.4	1.373	2.367	4.0	18.7
4 21	13 1.93	+ 2 15.9	1.384	2.355	8.2	18.9
5 1	12 54.39	+ 3 10.1	1.419	2.343	12.6	19.2
5 11	12 49.02	+ 3 41.4	1.476	2.331	16.6	19.4

345592 2006 SC_{72} 4 9.3 121.°90 0.°7/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.78	− 7 36.8	2.671	3.461	11.3	22.1
3 12	13 30.67	− 7 5.5	2.591	3.473	8.7	22.0
3 22	13 25.01	− 6 25.7	2.535	3.485	5.8	21.8
4 1	13 18.26	− 5 40.6	2.507	3.497	2.6	21.6
4 11	13 11.05	− 4 53.9	2.508	3.508	1.1	21.5
4 21	13 4.03	− 4 9.8	2.539	3.519	4.2	21.7
5 1	12 57.82	− 3 32.2	2.598	3.530	7.2	21.9
5 11	12 52.91	− 3 3.9	2.683	3.541	9.9	22.1

308620 2005 WM_{191} 4 9.3 242.°98 5.°0/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.98	+ 9 21.1	2.867	3.677	10.1	21.0
3 12	13 31.61	+10 11.5	2.776	3.662	8.1	20.8
3 22	13 25.68	+11 1.0	2.709	3.647	6.1	20.7
4 1	13 18.61	+11 44.7	2.671	3.632	5.0	20.6
4 11	13 10.98	+12 18.2	2.661	3.616	5.6	20.6
4 21	13 3.42	+12 37.8	2.680	3.600	7.5	20.7
5 1	12 56.57	+12 41.4	2.724	3.583	9.7	20.8
5 11	12 50.96	+12 28.7	2.792	3.566	11.8	20.9

488620 2002 TM_{239} 4 9.3 153.°77 0.°7/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.10	−11 9.5	2.769	3.536	11.5	22.2
3 12	13 34.01	−11 9.8	2.678	3.544	9.1	22.0
3 22	13 27.26	−11 1.2	2.612	3.552	6.2	21.8
4 1	13 19.32	−10 45.0	2.573	3.559	3.1	21.6
4 11	13 10.83	−10 23.5	2.564	3.565	0.8	21.4
4 21	13 2.49	−10 0.0	2.586	3.571	3.7	21.7
5 1	12 54.96	− 9 37.7	2.636	3.577	6.8	21.9
5 11	12 48.78	− 9 20.0	2.714	3.582	9.5	22.1

342981 2009 BJ_{43} 4 9.3 65.°51 0.°2/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.82	−10 11.3	2.105	2.898	13.8	21.4
3 12	13 31.98	− 9 56.9	2.024	2.906	10.8	21.2
3 22	13 26.14	− 9 30.9	1.965	2.914	7.3	21.0
4 1	13 18.86	− 8 55.9	1.933	2.922	3.4	20.8
4 11	13 10.93	− 8 15.8	1.928	2.930	0.7	20.6
4 21	13 3.20	− 7 35.6	1.951	2.938	4.6	20.9
5 1	12 56.51	− 7 0.1	2.002	2.946	8.3	21.1
5 11	12 51.47	− 6 33.5	2.077	2.954	11.6	21.4

402170 2004 RJ_{336} 4 9.3 152.°38 1.°4/10.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 39.67	−14 13.2	1.732	2.516	16.7	22.4
3 12	13 35.50	−13 53.8	1.648	2.523	13.3	22.2
3 22	13 28.78	−13 16.3	1.586	2.528	9.3	21.9
4 1	13 20.16	−12 22.7	1.548	2.534	4.8	21.7
4 11	13 10.65	−11 18.0	1.537	2.538	1.4	21.4
4 21	13 1.39	−10 9.3	1.555	2.543	5.3	21.7
5 1	12 53.45	− 9 4.4	1.598	2.546	9.7	22.0
5 11	12 47.65	− 8 10.1	1.666	2.550	13.6	22.2

70066 1999 JC_{45} 4 9.3 245.°76 3.°0/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 41.08	− 1 57.2	1.738	2.553	15.4	19.0
3 12	13 36.71	− 1 26.0	1.644	2.541	12.0	18.7
3 22	13 29.72	− 0 46.4	1.572	2.528	8.1	18.5
4 1	13 20.67	− 0 3.6	1.525	2.514	4.2	18.2
4 11	13 10.53	+ 0 36.1	1.506	2.500	3.6	18.1
4 21	13 0.44	+ 1 6.5	1.513	2.486	7.5	18.3
5 1	12 51.57	+ 1 22.4	1.547	2.471	11.8	18.5
5 11	12 44.81	+ 1 20.9	1.603	2.456	15.7	18.7

140569 2001 TF_{213} 4 9.3 172.°12 3.°6/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.93	−20 57.8	2.457	3.195	13.6	20.4
3 12	13 31.97	−21 6.7	2.360	3.196	11.2	20.2
3 22	13 26.12	−20 59.9	2.284	3.197	8.5	20.0
4 1	13 18.87	−20 37.2	2.234	3.198	5.7	19.8
4 11	13 10.92	−20 0.4	2.211	3.198	3.7	19.7
4 21	13 3.08	−19 12.9	2.216	3.199	4.6	19.8
5 1	12 56.14	−18 20.0	2.250	3.199	7.2	19.9
5 11	12 50.71	−17 27.3	2.309	3.199	10.1	20.1

199002 2005 WO_{55} 4 9.3 139.°98 1.°0/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 41.03	−13 0.8	1.654	2.444	17.1	20.8
3 12	13 36.62	−12 42.8	1.576	2.454	13.6	20.6
3 22	13 29.55	−12 7.4	1.517	2.462	9.4	20.4
4 1	13 20.52	−11 16.9	1.484	2.471	4.7	20.1
4 11	13 10.58	−10 16.6	1.477	2.479	1.1	19.9
4 21	13 0.94	− 9 13.5	1.498	2.486	5.5	20.2
5 1	12 52.73	− 8 15.4	1.545	2.492	10.1	20.5
5 11	12 46.76	− 7 28.8	1.616	2.499	14.0	20.7

57664 2001 UY_{17} 4 9.3 160.°47 7.°2/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 39.94	−36 56.3	3.143	3.751	13.1	19.3
3 12	13 34.94	−37 38.6	3.044	3.757	11.7	19.2
3 22	13 28.06	−38 3.1	2.963	3.763	10.2	19.1
4 1	13 19.75	−38 7.1	2.904	3.769	8.7	19.0
4 11	13 10.74	−37 50.0	2.869	3.774	7.5	18.9
4 21	13 1.79	−37 13.0	2.862	3.778	7.2	18.9
5 1	12 53.71	−36 19.6	2.881	3.782	7.8	18.9
5 11	12 47.11	−35 15.5	2.926	3.786	9.1	19.0

504423 2008 AZ_{28} 4 9.3 152.°45 2.°1/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.41	−18 22.1	3.072	3.810	11.1	23.0
3 12	13 31.05	−18 9.6	2.979	3.820	9.0	22.9
3 22	13 25.22	−17 44.6	2.908	3.829	6.5	22.7
4 1	13 18.37	−17 8.1	2.865	3.837	4.0	22.6
4 11	13 11.05	−16 22.5	2.850	3.845	2.2	22.4
4 21	13 3.86	−15 31.1	2.867	3.852	3.4	22.5
5 1	12 57.41	−14 38.1	2.912	3.859	5.9	22.7
5 11	12 52.15	−13 47.6	2.985	3.865	8.4	22.9

5256 Farquhar 4 9.3 273.°59 2.°8/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 34.55	−19 56.4	1.919	2.683	16.0	16.3
3 12	13 31.59	−19 24.8	1.806	2.663	13.2	16.1
3 22	13 26.27	−18 29.6	1.714	2.642	9.7	15.8
4 1	13 19.08	−17 11.2	1.645	2.622	5.9	15.5
4 11	13 10.87	−15 33.5	1.604	2.601	2.9	15.3
4 21	13 2.64	−13 43.7	1.590	2.579	5.1	15.4
5 1	12 55.45	−11 51.5	1.605	2.558	9.2	15.6
5 11	12 50.15	−10 6.6	1.644	2.536	13.3	15.8

78939 2003 SF_{161} 4 9.3 199.°46 0.°2/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.48	− 9 0.8	2.651	3.431	11.6	21.0
3 12	13 32.90	− 8 41.0	2.551	3.427	9.1	20.8
3 22	13 26.62	− 8 11.9	2.476	3.422	6.1	20.6
4 1	13 19.07	− 7 35.8	2.428	3.417	2.8	20.4
4 11	13 10.90	− 6 56.1	2.410	3.411	0.7	20.2
4 21	13 2.82	− 6 16.8	2.422	3.405	4.2	20.5
5 1	12 55.53	− 5 41.7	2.463	3.398	7.4	20.7
5 11	12 49.60	− 5 14.6	2.529	3.391	10.3	20.8

312034 2007 RA_{146} 4 9.3 187.°61 1.°1/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 40.22	−13 41.8	2.173	2.943	14.2	21.6
3 12	13 35.45	−13 20.4	2.076	2.943	11.3	21.4
3 22	13 28.54	−12 44.2	2.002	2.941	7.9	21.2
4 1	13 20.01	−11 55.0	1.954	2.939	4.0	21.0
4 11	13 10.70	−10 56.8	1.935	2.936	1.1	20.7
4 21	13 1.51	− 9 54.9	1.946	2.933	4.6	21.0
5 1	12 53.37	− 8 55.6	1.985	2.928	8.4	21.2
5 11	12 46.96	− 8 4.4	2.049	2.923	11.9	21.4

36118 1999 RE_{135} 4 9.3 26.°65 1.°8/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 34.77	− 6 21.6	1.809	2.624	14.9	17.7
3 12	13 31.51	− 5 35.7	1.729	2.626	11.5	17.5
3 22	13 26.01	− 4 37.6	1.670	2.627	7.6	17.3
4 1	13 18.86	− 3 32.1	1.638	2.629	3.5	17.0
4 11	13 10.95	− 2 26.0	1.632	2.630	2.4	16.9
4 21	13 3.24	− 1 26.2	1.654	2.632	6.3	17.2
5 1	12 56.68	− 0 38.8	1.701	2.634	10.3	17.4
5 11	12 51.98	− 0 8.0	1.772	2.636	13.9	17.6

510339 2011 SG_{108} 4 9.3 194.°62 5.°8/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 40.14	−32 55.3	3.514	4.143	11.5	23.0
3 12	13 34.86	−33 34.2	3.401	4.140	10.2	22.9
3 22	13 27.90	−33 58.4	3.309	4.136	8.6	22.8
4 1	13 19.68	−34 5.9	3.241	4.131	7.1	22.7
4 11	13 10.77	−33 56.3	3.200	4.126	6.0	22.6
4 21	13 1.85	−33 30.5	3.188	4.121	5.9	22.6
5 1	12 53.61	−32 51.6	3.203	4.115	6.8	22.6
5 11	12 46.63	−32 3.9	3.245	4.108	8.2	22.7

381555 2008 TB_{95} 4 9.3 220.°94 1.°0/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.24	− 7 38.1	2.125	2.924	13.5	21.9
3 12	13 32.39	− 7 3.4	2.031	2.919	10.5	21.7
3 22	13 26.50	− 6 17.4	1.961	2.913	7.0	21.5
4 1	13 19.08	− 5 23.5	1.917	2.907	3.2	21.2
4 11	13 10.91	− 4 26.9	1.901	2.901	1.5	21.1
4 21	13 2.86	− 3 33.2	1.914	2.895	5.3	21.4
5 1	12 55.78	− 2 47.9	1.954	2.888	9.1	21.6
5 11	12 50.34	− 2 15.2	2.018	2.881	12.5	21.8

65994 1998 KE_{53} 4 9.3 277.°59 8.°4/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.98	+13 19.7	2.008	2.832	13.3	19.5
3 12	13 33.21	+14 46.7	1.922	2.810	11.0	19.3
3 22	13 27.20	+16 11.8	1.860	2.789	9.1	19.2
4 1	13 19.46	+17 26.2	1.823	2.767	8.4	19.1
4 11	13 10.82	+18 21.3	1.812	2.745	9.5	19.1
4 21	13 2.26	+18 51.4	1.827	2.722	11.7	19.2
5 1	12 54.71	+18 53.6	1.864	2.700	14.4	19.3
5 11	12 48.96	+18 28.7	1.920	2.677	16.9	19.5

51191 2000 HT_{94} 4 9.3 56.°71 4.°3/13.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.41	−23 28.1	1.510	2.275	19.6	19.3
3 12	13 32.44	−22 58.1	1.445	2.297	16.1	19.1
3 22	13 26.78	−21 59.1	1.397	2.319	12.1	18.9
4 1	13 19.21	−20 32.4	1.372	2.342	7.7	18.7
4 11	13 10.91	−18 44.3	1.373	2.365	4.5	18.5
4 21	13 3.09	−16 45.0	1.399	2.388	5.7	18.7
5 1	12 56.84	−14 46.3	1.453	2.411	9.5	18.9
5 11	12 52.88	−12 59.0	1.530	2.434	13.4	19.2

240718 2005 GU_{125} 4 9.3 266.°75 1.°6/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.74	− 3 28.9	2.225	3.027	12.9	20.3
3 12	13 34.25	− 3 19.6	2.128	3.017	10.0	20.1
3 22	13 27.73	− 3 4.2	2.054	3.007	6.7	19.9
4 1	13 19.66	− 2 45.7	2.007	2.998	3.2	19.6
4 11	13 10.80	− 2 28.0	1.989	2.987	2.1	19.5
4 21	13 2.02	− 2 14.9	2.000	2.977	5.5	19.7
5 1	12 54.17	− 2 9.8	2.038	2.967	9.1	19.9
5 11	12 47.94	− 2 15.3	2.100	2.957	12.3	20.1

312064 2007 SC_{23} 4 9.3 82.°45 0.°8/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.11	−10 7.3	1.517	2.331	17.3	20.7
3 12	13 32.96	− 9 14.8	1.443	2.338	13.5	20.4
3 22	13 27.17	− 8 4.1	1.390	2.346	9.0	20.2
4 1	13 19.45	− 6 40.2	1.362	2.353	4.0	19.9
4 11	13 10.86	− 5 11.5	1.359	2.360	1.6	19.7
4 21	13 2.59	− 3 47.4	1.383	2.367	6.5	20.1
5 1	12 55.73	− 2 36.5	1.433	2.375	11.2	20.4
5 11	12 51.09	− 1 44.8	1.505	2.382	15.2	20.6

309920 2009 FS_{24} 4 9.3 46.°90 0.°8/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.13	− 8 55.8	1.316	2.142	18.8	20.8
3 12	13 34.06	− 8 26.5	1.252	2.153	14.7	20.6
3 22	13 28.05	− 7 40.3	1.207	2.165	9.8	20.3
4 1	13 19.88	− 6 42.1	1.185	2.177	4.4	20.0
4 11	13 10.78	− 5 39.6	1.188	2.190	1.5	19.9
4 21	13 2.10	− 4 41.7	1.217	2.203	6.8	20.2
5 1	12 55.08	− 3 56.1	1.269	2.216	11.8	20.6
5 11	12 50.55	− 3 28.2	1.342	2.229	16.0	20.8

370985 2005 SL_{281} 4 9.3 190.°60 1.°9/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.39	− 4 13.4	2.033	2.839	13.8	21.6
3 12	13 34.09	− 3 43.3	1.946	2.838	10.7	21.4
3 22	13 27.65	− 3 4.8	1.883	2.837	7.1	21.2
4 1	13 19.62	− 2 21.8	1.846	2.836	3.4	20.9
4 11	13 10.84	− 1 39.7	1.837	2.835	2.4	20.9
4 21	13 2.22	− 1 3.6	1.857	2.833	6.0	21.1
5 1	12 54.66	− 0 38.1	1.903	2.831	9.7	21.3
5 11	12 48.86	− 0 26.3	1.973	2.828	13.1	21.5

285119 1995 ST_{14} 4 9.3 164.°85 0.°5/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.22	− 8 33.0	2.726	3.513	11.2	22.2
3 12	13 30.29	− 7 57.5	2.636	3.517	8.7	22.0
3 22	13 24.81	− 7 12.8	2.571	3.520	5.8	21.8
4 1	13 18.22	− 6 21.6	2.533	3.523	2.6	21.6
4 11	13 11.14	− 5 28.0	2.525	3.526	1.0	21.5
4 21	13 4.19	− 4 36.3	2.547	3.528	4.1	21.7
5 1	12 58.00	− 3 50.6	2.597	3.530	7.2	21.9
5 11	12 53.08	− 3 14.4	2.673	3.532	9.9	22.1

212907 2007 XO_7 4 9.3 54.°91 4.°0/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.24	+ 1 23.1	2.097	2.920	12.8	19.9
3 12	13 30.70	+ 2 20.4	2.026	2.927	9.9	19.7
3 22	13 25.26	+ 3 22.2	1.979	2.934	6.8	19.5
4 1	13 18.46	+ 4 22.8	1.958	2.941	4.3	19.4
4 11	13 11.10	+ 5 15.8	1.966	2.949	4.6	19.4
4 21	13 3.96	+ 5 56.0	2.000	2.956	7.3	19.6
5 1	12 57.83	+ 6 19.9	2.061	2.964	10.4	19.8
5 11	12 53.29	+ 6 26.1	2.143	2.972	13.2	20.0

315300 2007 TQ_{169} 4 9.3 86.°59 2.°3/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.21	− 5 3.8	1.572	2.389	16.7	21.0
3 12	13 35.83	− 4 17.9	1.512	2.410	12.8	20.8
3 22	13 28.90	− 3 21.0	1.473	2.430	8.4	20.6
4 1	13 20.17	− 2 18.7	1.459	2.450	4.0	20.3
4 11	13 10.75	− 1 18.9	1.472	2.470	2.9	20.3
4 21	13 1.81	− 0 28.6	1.513	2.489	7.0	20.6
5 1	12 54.38	+ 0 6.7	1.578	2.508	11.2	20.9
5 11	12 49.15	+ 0 24.0	1.666	2.527	14.8	21.1

6021 1991 TM 4 9.3 280.°10 4.°0/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.79	− 1 52.6	1.615	2.445	15.7	16.9
3 12	13 32.76	− 0 47.8	1.525	2.430	12.2	16.7
3 22	13 27.16	+ 0 28.6	1.457	2.416	8.3	16.4
4 1	13 19.53	+ 1 49.9	1.413	2.401	4.7	16.2
4 11	13 10.85	+ 3 7.1	1.396	2.386	4.8	16.1
4 21	13 2.24	+ 4 11.3	1.405	2.372	8.7	16.3
5 1	12 54.84	+ 4 55.6	1.439	2.357	12.9	16.5
5 11	12 49.54	+ 5 16.4	1.493	2.342	16.8	16.7

130520 2000 QO_{175} 4 9.3 131.°58 2.°4/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.28	−16 52.6	1.712	2.488	17.2	20.4
3 12	13 35.24	−16 37.1	1.631	2.498	13.8	20.1
3 22	13 28.63	−16 1.4	1.571	2.507	9.9	19.9
4 1	13 20.13	−15 6.8	1.534	2.515	5.6	19.7
4 11	13 10.75	−13 58.1	1.525	2.524	2.4	19.5
4 21	13 1.66	−12 42.3	1.543	2.531	5.2	19.7
5 1	12 53.93	−11 28.0	1.587	2.539	9.5	20.0
5 11	12 48.36	−10 22.8	1.655	2.545	13.4	20.2

418203 2008 CD_{102} 4 9.3 174.°96 3.°6/ 5.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.18	− 1 50.9	1.882	2.700	14.3	22.3
3 12	13 33.28	− 0 39.5	1.803	2.702	11.0	22.1
3 22	13 27.16	+ 0 41.3	1.747	2.703	7.4	21.9
4 1	13 19.41	+ 2 4.9	1.718	2.704	4.2	21.7
4 11	13 10.91	+ 3 23.3	1.716	2.705	4.4	21.7
4 21	13 2.64	+ 4 29.2	1.743	2.705	7.7	21.9
5 1	12 55.50	+ 5 17.0	1.795	2.705	11.3	22.1
5 11	12 50.21	+ 5 44.2	1.870	2.704	14.5	22.3

244047 2001 TK_6 4 9.3 241.°43 2.°2/ 7.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.33	− 1 47.1	2.398	3.202	12.0	20.7
3 12	13 32.98	− 1 24.4	2.304	3.195	9.3	20.5
3 22	13 26.78	− 0 56.5	2.233	3.187	6.2	20.2
4 1	13 19.20	− 0 26.8	2.190	3.179	3.2	20.0
4 11	13 10.96	+ 0 0.4	2.176	3.171	2.7	20.0
4 21	13 2.80	+ 0 21.2	2.191	3.162	5.6	20.2
5 1	12 55.51	+ 0 32.3	2.233	3.154	8.9	20.3
5 11	12 49.69	+ 0 31.5	2.300	3.145	11.8	20.5

170571 2003 XB_4 4 9.3 66.°16 1.°4/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.11	− 7 15.3	1.486	2.305	17.3	19.9
3 12	13 34.45	− 6 38.5	1.421	2.320	13.4	19.7
3 22	13 28.13	− 5 47.9	1.377	2.334	8.9	19.4
4 1	13 19.87	− 4 48.7	1.358	2.349	4.0	19.2
4 11	13 10.83	− 3 48.3	1.364	2.364	2.1	19.1
4 21	13 2.20	− 2 54.5	1.397	2.379	6.7	19.4
5 1	12 55.08	− 2 13.8	1.455	2.394	11.2	19.7
5 11	12 50.24	− 1 50.3	1.534	2.409	15.1	20.0

501054 2013 SA 4 9.3 216.°23 0.°6/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.24	−11 29.0	2.536	3.307	12.4	22.6
3 12	13 34.46	−11 15.1	2.429	3.296	9.8	22.4
3 22	13 27.79	−10 50.1	2.344	3.286	6.8	22.1
4 1	13 19.69	−10 15.6	2.287	3.274	3.3	21.9
4 11	13 10.85	− 9 34.9	2.260	3.262	0.7	21.7
4 21	13 2.05	− 8 51.8	2.263	3.248	4.2	21.9
5 1	12 54.06	− 8 11.1	2.295	3.234	7.6	22.1
5 11	12 47.53	− 7 36.9	2.352	3.220	10.8	22.3

286057 2001 SJ_{285} 4 9.3 123.°10 0.°4/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.60	− 9 43.8	2.755	3.526	11.5	21.2
3 12	13 34.36	− 9 46.0	2.673	3.542	9.0	21.1
3 22	13 27.48	− 9 40.2	2.614	3.557	6.1	20.9
4 1	13 19.45	− 9 27.8	2.584	3.571	2.9	20.7
4 11	13 10.92	− 9 11.4	2.583	3.585	0.6	20.5
4 21	13 2.59	− 8 53.8	2.614	3.599	3.7	20.8
5 1	12 55.10	− 8 38.2	2.673	3.612	6.7	21.0
5 11	12 48.98	− 8 27.4	2.759	3.625	9.4	21.2

364196 2006 QE_{19} 4 9.3 208.°04 1.°3/ 7.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.46	− 6 24.2	2.176	2.971	13.4	22.3
3 12	13 34.87	− 5 48.4	2.079	2.964	10.4	22.1
3 22	13 28.17	− 5 2.2	2.005	2.957	7.0	21.9
4 1	13 19.89	− 4 9.2	1.959	2.949	3.2	21.6
4 11	13 10.82	− 3 14.6	1.941	2.940	1.8	21.5
4 21	13 1.84	− 2 23.8	1.953	2.931	5.5	21.7
5 1	12 53.83	− 1 42.1	1.992	2.921	9.3	21.9
5 11	12 47.51	− 1 13.4	2.056	2.909	12.7	22.1

216671 2004 BC_{57} 4 9.3 307.°45 6.°6/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.84	+ 4 25.6	1.518	2.359	15.9	19.7
3 12	13 32.91	+ 5 38.3	1.438	2.347	12.6	19.5
3 22	13 27.30	+ 6 56.4	1.379	2.334	9.1	19.2
4 1	13 19.61	+ 8 10.9	1.345	2.322	6.7	19.1
4 11	13 10.87	+ 9 11.9	1.336	2.311	7.5	19.1
4 21	13 2.27	+ 9 51.2	1.351	2.299	10.8	19.2
5 1	12 55.00	+10 4.1	1.389	2.288	14.6	19.4
5 11	12 49.94	+ 9 49.9	1.446	2.278	18.2	19.6

308162 2005 BH_8 4 9.3 70.°43 5.°9/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.22	+ 3 26.9	1.473	2.309	16.6	20.4
3 12	13 35.39	+ 4 28.7	1.408	2.314	13.0	20.2
3 22	13 28.81	+ 5 34.7	1.365	2.320	9.1	20.0
4 1	13 20.22	+ 6 36.3	1.345	2.326	6.2	19.9
4 11	13 10.76	+ 7 24.6	1.351	2.331	6.7	19.9
4 21	13 1.68	+ 7 52.7	1.383	2.337	10.0	20.1
5 1	12 54.12	+ 7 57.1	1.437	2.343	13.8	20.3
5 11	12 48.88	+ 7 37.6	1.512	2.349	17.3	20.6

245120 2004 QP_{21} 4 9.3 164.°65 1.°4/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.24	−13 6.0	1.783	2.564	16.4	21.3
3 12	13 37.49	−13 3.3	1.697	2.569	13.1	21.1
3 22	13 30.15	−12 45.2	1.632	2.573	9.1	20.8
4 1	13 20.86	−12 12.9	1.592	2.577	4.7	20.6
4 11	13 10.62	−11 30.4	1.579	2.580	1.5	20.3
4 21	13 0.58	−10 43.2	1.595	2.582	5.2	20.6
5 1	12 51.86	− 9 58.1	1.637	2.584	9.6	20.9
5 11	12 45.29	− 9 21.2	1.703	2.585	13.5	21.1

313051 2000 RV_{36} 4 9.3 187.°33 1.°0/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 50.23	− 9 22.4	2.053	2.821	15.0	20.7
3 12	13 43.46	− 9 53.1	1.955	2.821	11.9	20.5
3 22	13 34.08	−10 15.3	1.880	2.820	8.3	20.3
4 1	13 22.69	−10 29.6	1.832	2.818	4.1	20.0
4 11	13 10.24	−10 37.2	1.814	2.815	1.1	19.8
4 21	12 57.88	−10 41.0	1.827	2.812	5.0	20.1
5 1	12 46.72	−10 44.2	1.870	2.808	9.2	20.3
5 11	12 37.66	−10 50.8	1.938	2.803	12.8	20.5

123805 2001 BZ_{60} 4 9.3 32.°68 19.°0/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.76	−46 44.7	1.044	1.719	31.4	18.5
3 12	13 33.99	−48 32.4	0.985	1.726	29.4	18.3
3 22	13 29.54	−49 32.4	0.934	1.734	27.0	18.2
4 1	13 21.07	−49 31.6	0.892	1.743	24.2	18.0
4 11	13 10.56	−48 21.3	0.863	1.753	21.6	17.8
4 21	13 0.53	−46 1.8	0.849	1.764	19.6	17.8
5 1	12 53.38	−42 45.8	0.853	1.775	19.0	17.8
5 11	12 50.48	−38 57.3	0.875	1.787	20.0	17.9

264213 2010 RM_{39} 4 9.3 189.°57 0.°0/ 9.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.84	− 9 41.5	2.238	3.019	13.5	22.1
3 12	13 35.86	− 9 22.7	2.143	3.018	10.6	21.9
3 22	13 28.80	− 8 52.6	2.070	3.016	7.2	21.7
4 1	13 20.18	− 8 13.5	2.025	3.013	3.4	21.5
4 11	13 10.79	− 7 29.6	2.008	3.010	0.7	21.2
4 21	13 1.52	− 6 45.4	2.022	3.006	4.7	21.5
5 1	12 53.25	− 6 6.1	2.064	3.001	8.5	21.7
5 11	12 46.66	− 5 36.0	2.130	2.995	11.9	21.9

83549 2001 SR_{174} 4 9.3 159.°23 1.°3/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.40	− 5 33.9	2.417	3.216	12.1	19.6
3 12	13 31.42	− 5 3.1	2.330	3.219	9.3	19.4
3 22	13 25.68	− 4 24.4	2.268	3.221	6.2	19.2
4 1	13 18.69	− 3 40.9	2.233	3.223	2.8	19.0
4 11	13 11.11	− 2 57.2	2.226	3.225	1.8	18.9
4 21	13 3.69	− 2 17.6	2.249	3.227	4.9	19.1
5 1	12 57.14	− 1 46.2	2.300	3.229	8.2	19.3
5 11	12 52.01	− 1 26.0	2.375	3.230	11.1	19.5

14977 Bressler 4 9.3 130.°93 0.°2/ 9.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.42	−10 24.8	2.300	3.086	13.0	19.0
3 12	13 32.31	−10 6.6	2.215	3.093	10.2	18.8
3 22	13 26.33	− 9 37.4	2.153	3.099	6.9	18.6
4 1	13 19.00	− 8 59.3	2.117	3.105	3.3	18.4
4 11	13 11.05	− 8 16.4	2.110	3.111	0.6	18.2
4 21	13 3.28	− 7 33.3	2.132	3.117	4.4	18.5
5 1	12 56.46	− 6 54.5	2.181	3.123	7.9	18.7
5 11	12 51.17	− 6 24.2	2.256	3.128	11.0	18.9

288593 2004 JO_{21} 4 9.3 118.°39 1.°4/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 33.71	−15 11.7	2.365	3.137	13.1	20.8
3 12	13 30.23	−14 47.2	2.274	3.140	10.5	20.6
3 22	13 24.95	−14 8.1	2.206	3.143	7.4	20.4
4 1	13 18.37	−13 16.4	2.164	3.147	3.9	20.2
4 11	13 11.18	−12 15.9	2.150	3.150	1.4	20.0
4 21	13 4.15	−11 11.6	2.164	3.153	4.0	20.2
5 1	12 58.00	−10 9.1	2.207	3.156	7.4	20.5
5 11	12 53.32	− 9 13.7	2.276	3.159	10.5	20.7

414806 2010 SP_{37} 4 9.3 199.°97 0.°5/ 8.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.43	− 9 37.0	2.044	2.835	14.2	23.1
3 12	13 34.21	− 8 56.9	1.950	2.832	11.2	22.9
3 22	13 27.80	− 8 3.1	1.878	2.828	7.5	22.7
4 1	13 19.75	− 6 58.9	1.833	2.823	3.4	22.4
4 11	13 10.89	− 5 49.7	1.816	2.817	1.1	22.2
4 21	13 2.16	− 4 42.2	1.829	2.811	5.3	22.5
5 1	12 54.48	− 3 42.6	1.869	2.804	9.4	22.7
5 11	12 48.56	− 2 56.1	1.933	2.797	12.9	22.9

288065 2003 UE_{343} 4 9.3 66.°38 2.°9/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 39.51	−16 20.2	1.457	2.248	19.0	20.8
3 12	13 35.77	−16 25.1	1.389	2.263	15.3	20.6
3 22	13 29.16	−16 9.1	1.340	2.279	11.0	20.4
4 1	13 20.43	−15 33.3	1.314	2.295	6.3	20.2
4 11	13 10.77	−14 42.1	1.313	2.311	2.9	20.0
4 21	13 1.52	−13 42.6	1.338	2.327	5.7	20.2
5 1	12 53.89	−12 43.5	1.388	2.343	10.2	20.5
5 11	12 48.71	−11 52.7	1.461	2.359	14.3	20.8

453303 2008 UH_{213} 4 9.3 169.°90 2.°6/11.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 41.37	−16 54.2	1.786	2.555	16.8	22.6
3 12	13 36.88	−16 47.1	1.698	2.559	13.6	22.4
3 22	13 29.79	−16 20.8	1.630	2.563	9.8	22.1
4 1	13 20.72	−15 36.2	1.586	2.566	5.6	21.9
4 11	13 10.70	−14 36.8	1.570	2.568	2.6	21.7
4 21	13 0.87	−13 29.0	1.581	2.569	5.2	21.9
5 1	12 52.36	−12 20.8	1.620	2.570	9.4	22.1
5 11	12 46.01	−11 19.8	1.683	2.570	13.3	22.4

100353 1995 TC_2 4 9.3 196.°80 0.°0/ 9.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 39.13	−10 36.5	2.173	2.956	13.8	21.2
3 12	13 34.63	−10 6.9	2.077	2.953	10.8	21.0
3 22	13 28.02	− 9 24.2	2.003	2.949	7.4	20.8
4 1	13 19.84	− 8 31.1	1.956	2.945	3.4	20.5
4 11	13 10.88	− 7 32.2	1.938	2.940	0.7	20.3
4 21	13 2.04	− 6 33.0	1.949	2.934	4.8	20.6
5 1	12 54.19	− 5 39.3	1.989	2.927	8.7	20.8
5 11	12 48.04	− 4 56.2	2.053	2.920	12.2	21.0

375831 2009 UO_{87} 4 9.3 223.°88 3.°9/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.15	−22 52.3	2.154	2.891	15.3	21.0
3 12	13 32.53	−22 38.1	2.049	2.884	12.7	20.8
3 22	13 26.73	−22 2.8	1.965	2.877	9.7	20.6
4 1	13 19.28	−21 6.1	1.905	2.869	6.5	20.4
4 11	13 10.99	−19 50.7	1.872	2.860	4.1	20.2
4 21	13 2.79	−18 22.0	1.867	2.852	5.0	20.3
5 1	12 55.61	−16 47.5	1.890	2.842	8.2	20.4
5 11	12 50.17	−15 15.7	1.939	2.833	11.5	20.6

470949 2009 KD_{30} 4 9.3 74.°75 4.°1/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.19	+ 2 32.2	2.343	3.164	11.7	21.4
3 12	13 29.73	+ 3 36.3	2.268	3.167	9.1	21.2
3 22	13 24.56	+ 4 44.1	2.217	3.170	6.3	21.0
4 1	13 18.17	+ 5 50.1	2.193	3.173	4.3	20.9
4 11	13 11.24	+ 6 48.3	2.198	3.176	4.8	20.9
4 21	13 4.49	+ 7 33.7	2.231	3.179	7.2	21.1
5 1	12 58.61	+ 8 3.1	2.289	3.182	9.9	21.3
5 11	12 54.15	+ 8 14.9	2.371	3.185	12.5	21.4

436644 2011 QG_{25} 4 9.3 231.°33 2.°9/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.07	−17 49.6	2.549	3.295	12.9	21.8
3 12	13 33.63	−18 8.6	2.444	3.288	10.6	21.6
3 22	13 27.29	−18 15.0	2.360	3.281	7.8	21.4
4 1	13 19.50	−18 8.4	2.303	3.274	4.9	21.2
4 11	13 10.95	−17 50.3	2.274	3.266	3.0	21.1
4 21	13 2.43	−17 23.5	2.274	3.258	4.3	21.1
5 1	12 54.72	−16 51.9	2.303	3.250	7.2	21.3
5 11	12 48.48	−16 20.4	2.357	3.242	10.1	21.5

165550 2001 DH_{40} 4 9.3 105.°80 0.°5/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 40.66	−12 13.3	1.785	2.573	16.1	20.8
3 12	13 35.99	−11 44.1	1.716	2.594	12.7	20.6
3 22	13 28.94	−10 59.1	1.669	2.615	8.6	20.4
4 1	13 20.22	−10 1.5	1.647	2.635	4.1	20.2
4 11	13 10.84	− 8 57.1	1.653	2.654	0.8	19.9
4 21	13 1.85	− 7 52.6	1.687	2.673	5.2	20.3
5 1	12 54.22	− 6 55.1	1.748	2.692	9.3	20.6
5 11	12 48.65	− 6 9.7	1.833	2.709	12.9	20.8

69301 1992 ES_8 4 9.3 286.°52 1.°9/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.31	− 3 29.1	2.272	3.080	12.5	19.7
3 12	13 31.57	− 3 2.2	2.176	3.069	9.7	19.5
3 22	13 25.93	− 2 28.2	2.104	3.059	6.4	19.2
4 1	13 18.87	− 1 50.6	2.058	3.048	3.1	19.0
4 11	13 11.10	− 1 14.1	2.041	3.038	2.4	18.9
4 21	13 3.40	− 0 43.2	2.053	3.028	5.6	19.1
5 1	12 56.57	− 0 22.0	2.091	3.017	9.1	19.3
5 11	12 51.26	− 0 13.1	2.153	3.007	12.2	19.5

285761 2000 UE_{25} 4 9.3 83.°58 2.°5/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 40.04	− 4 52.3	1.515	2.335	17.0	20.5
3 12	13 35.82	− 4 3.5	1.455	2.354	13.1	20.3
3 22	13 28.96	− 3 3.3	1.417	2.374	8.6	20.1
4 1	13 20.26	− 1 57.9	1.403	2.394	4.1	19.9
4 11	13 10.84	− 0 55.3	1.416	2.413	3.2	19.9
4 21	13 1.90	− 0 3.2	1.455	2.432	7.3	20.2
5 1	12 54.51	+ 0 32.8	1.520	2.450	11.5	20.5
5 11	12 49.39	+ 0 49.8	1.607	2.469	15.2	20.7

352550 2008 CF_{205} 4 9.3 231.°11 5.°3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 37.99	−25 45.7	2.609	3.312	13.7	21.4
3 12	13 33.67	−26 22.2	2.504	3.307	11.7	21.2
3 22	13 27.38	−26 42.9	2.419	3.302	9.4	21.0
4 1	13 19.57	−26 46.1	2.358	3.297	7.1	20.9
4 11	13 10.95	−26 31.9	2.325	3.291	5.5	20.8
4 21	13 2.34	−26 2.2	2.319	3.286	5.7	20.8
5 1	12 54.57	−25 21.2	2.341	3.280	7.6	20.9
5 11	12 48.33	−24 34.5	2.389	3.274	10.0	21.0

111793 2002 CG_{240} 4 9.3 289.°35 1.°7/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.20	−14 14.3	1.510	2.311	18.0	19.6
3 12	13 33.48	−14 3.7	1.412	2.296	14.5	19.4
3 22	13 27.91	−13 32.8	1.334	2.280	10.3	19.1
4 1	13 20.02	−12 42.5	1.279	2.265	5.4	18.8
4 11	13 10.84	−11 37.5	1.249	2.250	1.7	18.5
4 21	13 1.65	−10 25.3	1.245	2.235	6.0	18.7
5 1	12 53.75	− 9 15.2	1.265	2.220	11.1	18.9
5 11	12 48.20	− 8 16.2	1.308	2.205	15.7	19.2

303321 2004 TR_{81} 4 9.3 39.°20 0.°4/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.22	−13 4.4	1.352	2.167	19.0	20.5
3 12	13 32.68	−12 24.4	1.278	2.171	15.0	20.3
3 22	13 27.24	−11 21.7	1.223	2.176	10.3	20.0
4 1	13 19.61	−10 0.3	1.191	2.180	4.9	19.7
4 11	13 10.96	− 8 28.2	1.183	2.185	0.9	19.4
4 21	13 2.61	− 6 56.0	1.202	2.191	6.4	19.8
5 1	12 55.82	− 5 34.3	1.245	2.196	11.5	20.1
5 11	12 51.47	− 4 31.2	1.309	2.202	16.0	20.4

377703 2005 WW_{24} 4 9.3 289.°37 5.°6/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 41.20	+ 5 6.4	1.766	2.588	14.9	20.9
3 12	13 36.95	+ 5 44.1	1.664	2.562	11.8	20.7
3 22	13 30.03	+ 6 24.3	1.584	2.535	8.5	20.4
4 1	13 20.95	+ 7 0.3	1.530	2.508	5.9	20.2
4 11	13 10.66	+ 7 24.9	1.502	2.481	6.3	20.1
4 21	13 0.29	+ 7 32.2	1.501	2.454	9.5	20.3
5 1	12 51.04	+ 7 18.3	1.524	2.427	13.4	20.4
5 11	12 43.88	+ 6 42.7	1.569	2.400	17.0	20.6

219611 2001 TF_{101} 4 9.3 170.°71 0.°1/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.51	− 9 58.9	2.539	3.314	12.2	22.0
3 12	13 34.53	− 9 39.8	2.447	3.319	9.6	21.8
3 22	13 27.74	− 9 10.5	2.379	3.323	6.5	21.6
4 1	13 19.66	− 8 33.4	2.338	3.327	3.0	21.4
4 11	13 10.96	− 7 51.9	2.327	3.329	0.6	21.2
4 21	13 2.41	− 7 10.2	2.347	3.331	4.2	21.4
5 1	12 54.75	− 6 32.6	2.395	3.332	7.5	21.7
5 11	12 48.55	− 6 2.8	2.470	3.332	10.5	21.8

260873 2005 QV_{112} 4 9.3 187.°13 4.°1/ 4.7 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.02	+ 2 27.4	2.382	3.192	11.9	21.9
3 12	13 33.47	+ 3 30.4	2.299	3.192	9.2	21.7
3 22	13 27.08	+ 4 37.6	2.240	3.191	6.4	21.6
4 1	13 19.37	+ 5 43.5	2.210	3.189	4.3	21.4
4 11	13 11.03	+ 6 41.9	2.208	3.186	4.7	21.4
4 21	13 2.86	+ 7 27.8	2.235	3.183	7.2	21.6
5 1	12 55.59	+ 7 57.7	2.290	3.179	10.1	21.8
5 11	12 49.83	+ 8 10.0	2.367	3.175	12.7	21.9

262241 2006 SU_{289} 4 9.3 241.°61 5.°9/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.92	+ 5 11.4	1.935	2.756	13.8	21.4
3 12	13 34.76	+ 6 22.9	1.845	2.742	10.9	21.2
3 22	13 28.29	+ 7 38.5	1.779	2.728	7.9	21.0
4 1	13 20.04	+ 8 50.6	1.739	2.712	6.0	20.8
4 11	13 10.88	+ 9 51.3	1.727	2.697	6.7	20.8
4 21	13 1.81	+10 33.9	1.741	2.680	9.5	21.0
5 1	12 53.80	+10 54.2	1.781	2.663	12.8	21.1
5 11	12 47.65	+10 51.2	1.841	2.646	15.9	21.3

405269 2003 SD_{326} 4 9.3 124.°11 0.°9/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.77	−12 4.4	1.870	2.653	15.7	22.5
3 12	13 36.85	−11 53.4	1.794	2.668	12.4	22.3
3 22	13 29.56	−11 28.0	1.740	2.683	8.5	22.1
4 1	13 20.55	−10 50.6	1.710	2.697	4.2	21.9
4 11	13 10.80	−10 5.4	1.709	2.711	1.0	21.7
4 21	13 1.36	− 9 18.1	1.737	2.724	5.0	22.0
5 1	12 53.22	− 8 34.8	1.791	2.736	9.1	22.3
5 11	12 47.09	− 8 0.6	1.870	2.748	12.7	22.5

7913 Parfenov 4 9.3 162.°24 0.°2/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.62	−10 48.3	2.278	3.065	13.1	17.9
3 12	13 31.76	−10 23.9	2.189	3.067	10.3	17.7
3 22	13 26.01	− 9 47.5	2.122	3.069	7.0	17.5
4 1	13 18.89	− 9 1.7	2.082	3.071	3.3	17.3
4 11	13 11.13	− 8 10.5	2.071	3.073	0.6	17.0
4 21	13 3.52	− 7 19.1	2.089	3.074	4.4	17.3
5 1	12 56.83	− 6 32.4	2.134	3.076	8.0	17.5
5 11	12 51.68	− 5 54.9	2.204	3.077	11.2	17.8

83355 2001 RN_{151} 4 9.3 91.°26 3.°2/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.01	+ 0 55.6	2.235	3.046	12.5	19.3
3 12	13 33.51	+ 1 22.6	2.160	3.054	9.7	19.1
3 22	13 27.11	+ 1 53.0	2.108	3.061	6.5	18.9
4 1	13 19.37	+ 2 22.4	2.083	3.069	3.7	18.8
4 11	13 11.05	+ 2 46.3	2.087	3.076	3.6	18.8
4 21	13 2.95	+ 3 0.7	2.119	3.084	6.3	19.0
5 1	12 55.86	+ 3 3.1	2.178	3.091	9.4	19.2
5 11	12 50.36	+ 2 52.0	2.261	3.098	12.3	19.4

334770 2003 SF_{80} 4 9.3 188.°38 3.°2/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.96	−20 59.0	2.591	3.323	13.1	21.3
3 12	13 32.70	−20 55.2	2.489	3.322	10.8	21.2
3 22	13 26.62	−20 35.6	2.409	3.321	8.1	21.0
4 1	13 19.18	−20 0.3	2.354	3.319	5.3	20.8
4 11	13 11.08	−19 11.3	2.328	3.317	3.3	20.7
4 21	13 3.07	−18 12.6	2.331	3.314	4.3	20.7
5 1	12 55.92	−17 9.3	2.362	3.311	7.0	20.9
5 11	12 50.23	−16 7.2	2.421	3.307	9.8	21.1

148524 2001 PP_{59} 4 9.3 217.°44 6.°8/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.29	+10 20.2	2.239	3.056	12.3	20.8
3 12	13 33.89	+11 43.8	2.159	3.047	10.0	20.6
3 22	13 27.49	+13 7.0	2.103	3.038	7.8	20.5
4 1	13 19.60	+14 22.2	2.074	3.028	6.8	20.4
4 11	13 11.00	+15 22.3	2.072	3.017	7.7	20.4
4 21	13 2.52	+16 1.9	2.098	3.005	9.9	20.5
5 1	12 55.01	+16 18.3	2.148	2.993	12.4	20.7
5 11	12 49.12	+16 11.5	2.219	2.981	14.8	20.8

124748 2001 SQ_{212} 4 9.3 208.°80 0.°7/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.49	− 7 32.3	1.691	2.492	16.3	20.5
3 12	13 37.90	− 7 19.4	1.601	2.488	12.9	20.3
3 22	13 30.59	− 6 54.5	1.532	2.484	8.7	20.0
4 1	13 21.17	− 6 20.5	1.488	2.478	4.0	19.7
4 11	13 10.66	− 5 42.6	1.471	2.472	1.3	19.5
4 21	13 0.28	− 5 6.6	1.482	2.466	6.2	19.8
5 1	12 51.21	− 4 38.6	1.520	2.459	10.8	20.0
5 11	12 44.37	− 4 23.1	1.580	2.452	14.9	20.3

263087 2007 SB_{20} 4 9.3 281.°39 2.°5/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.34	−13 41.9	1.540	2.334	18.0	20.8
3 12	13 36.72	−14 3.0	1.443	2.321	14.6	20.5
3 22	13 30.12	−14 8.1	1.367	2.309	10.5	20.3
4 1	13 21.08	−13 57.1	1.313	2.297	5.8	20.0
4 11	13 10.66	−13 32.4	1.285	2.284	2.5	19.7
4 21	13 0.20	−12 58.8	1.282	2.272	6.0	19.9
5 1	12 51.08	−12 23.4	1.306	2.259	10.9	20.1
5 11	12 44.39	−11 53.5	1.351	2.247	15.4	20.4

206309 2003 HJ_{32} 4 9.3 252.°22 5.°4/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.35	+ 2 2.1	1.689	2.514	15.3	20.5
3 12	13 35.49	+ 3 11.4	1.597	2.498	12.0	20.2
3 22	13 29.02	+ 4 28.5	1.527	2.481	8.4	20.0
4 1	13 20.46	+ 5 46.0	1.482	2.464	5.7	19.8
4 11	13 10.81	+ 6 54.6	1.465	2.446	6.2	19.8
4 21	13 1.19	+ 7 46.2	1.474	2.427	9.6	19.9
5 1	12 52.77	+ 8 15.1	1.507	2.408	13.6	20.1
5 11	12 46.46	+ 8 19.1	1.561	2.389	17.2	20.3

106781 2000 XU_{20} 4 9.3 236.°35 2.°4/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.81	+ 0 3.1	2.908	3.705	10.3	20.2
3 12	13 33.05	+ 0 24.6	2.805	3.692	8.0	20.0
3 22	13 26.71	+ 0 49.4	2.727	3.678	5.4	19.8
4 1	13 19.19	+ 1 14.5	2.677	3.663	3.0	19.7
4 11	13 11.09	+ 1 36.4	2.658	3.648	2.8	19.6
4 21	13 3.03	+ 1 51.9	2.668	3.633	5.2	19.8
5 1	12 55.65	+ 1 58.3	2.707	3.617	7.9	19.9
5 11	12 49.50	+ 1 54.2	2.771	3.601	10.5	20.1

174633 2003 SM_{110} 4 9.3 256.°64 1.°2/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.73	−13 51.6	1.882	2.664	15.6	21.1
3 12	13 34.94	−13 30.4	1.770	2.643	12.6	20.8
3 22	13 28.64	−12 51.5	1.679	2.621	8.9	20.5
4 1	13 20.31	−11 56.0	1.613	2.598	4.6	20.2
4 11	13 10.83	−10 48.2	1.574	2.575	1.2	19.9
4 21	13 1.25	− 9 34.4	1.563	2.551	5.3	20.1
5 1	12 52.70	− 8 22.6	1.580	2.526	9.9	20.3
5 11	12 46.11	− 7 20.4	1.620	2.501	14.1	20.5

300897 2008 BQ_{24} 4 9.3 216.°13 8.°6/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.05	−37 55.3	2.697	3.312	15.0	20.9
3 12	13 34.77	−38 49.1	2.593	3.308	13.5	20.7
3 22	13 28.28	−39 23.0	2.506	3.304	11.9	20.6
4 1	13 20.06	−39 33.2	2.439	3.300	10.3	20.5
4 11	13 10.90	−39 18.2	2.397	3.296	9.0	20.4
4 21	13 1.73	−38 38.8	2.378	3.291	8.6	20.4
5 1	12 53.52	−37 39.0	2.386	3.287	9.2	20.4
5 11	12 47.05	−36 25.3	2.418	3.282	10.7	20.5

215879 2005 EA_{231} 4 9.3 10.°60 6.°1/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.18	+ 3 35.2	1.206	2.056	18.6	19.8
3 12	13 35.19	+ 4 13.0	1.144	2.058	14.6	19.6
3 22	13 29.03	+ 4 54.0	1.101	2.060	10.2	19.3
4 1	13 20.46	+ 5 29.5	1.080	2.064	6.7	19.1
4 11	13 10.84	+ 5 50.7	1.083	2.069	6.9	19.2
4 21	13 1.62	+ 5 51.1	1.109	2.074	10.6	19.4
5 1	12 54.19	+ 5 27.8	1.157	2.081	14.9	19.6
5 11	12 49.44	+ 4 41.6	1.224	2.088	18.8	19.9

43808 1991 RF_{11} 4 9.3 151.°79 2.°0/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.95	−15 40.7	2.141	2.902	14.6	19.5
3 12	13 36.04	−15 35.5	2.054	2.912	11.8	19.3
3 22	13 28.96	−15 15.2	1.988	2.921	8.4	19.1
4 1	13 20.28	−14 40.7	1.949	2.929	4.7	18.9
4 11	13 10.88	−13 55.5	1.938	2.937	2.0	18.7
4 21	13 1.68	−13 4.1	1.956	2.943	4.5	18.9
5 1	12 53.59	−12 12.6	2.003	2.949	8.1	19.1
5 11	12 47.30	−11 26.7	2.074	2.955	11.5	19.3

376226 2011 EG_{27} 4 9.3 51.°20 2.°0/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.10	−12 12.3	1.665	2.455	17.0	21.3
3 12	13 37.48	−12 43.2	1.591	2.467	13.6	21.1
3 22	13 30.20	−13 1.0	1.537	2.480	9.5	20.8
4 1	13 20.93	−13 6.0	1.508	2.492	5.1	20.6
4 11	13 10.75	−13 0.7	1.506	2.505	2.0	20.4
4 21	13 0.86	−12 48.8	1.530	2.519	5.3	20.7
5 1	12 52.41	−12 35.7	1.581	2.532	9.6	20.9
5 11	12 46.21	−12 26.5	1.656	2.546	13.3	21.2

313048 2000 QX_{209} 4 9.3 173.°61 0.°9/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.21	−12 55.1	2.117	2.889	14.4	22.6
3 12	13 36.27	−12 36.0	2.026	2.894	11.5	22.4
3 22	13 29.15	−12 2.6	1.957	2.897	7.9	22.2
4 1	13 20.39	−11 16.8	1.914	2.900	4.0	22.0
4 11	13 10.86	−10 22.8	1.900	2.901	1.0	21.8
4 21	13 1.50	− 9 25.9	1.915	2.902	4.7	22.0
5 1	12 53.23	− 8 32.2	1.959	2.902	8.6	22.3
5 11	12 46.76	− 7 47.1	2.028	2.901	12.0	22.5

511096 2013 TO_{139} 4 9.3 181.°22 2.°5/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.91	− 0 3.6	2.927	3.721	10.3	22.6
3 12	13 33.78	+ 0 34.3	2.837	3.723	8.0	22.5
3 22	13 27.12	+ 1 16.2	2.773	3.723	5.4	22.3
4 1	13 19.35	+ 1 58.4	2.738	3.723	3.0	22.1
4 11	13 11.09	+ 2 36.9	2.734	3.723	3.0	22.1
4 21	13 2.95	+ 3 8.1	2.760	3.721	5.3	22.3
5 1	12 55.56	+ 3 29.3	2.815	3.718	7.9	22.5
5 11	12 49.43	+ 3 38.6	2.895	3.715	10.3	22.6

89 Julia 4 9.3 219.°81 7.°9/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 42.17	−31 31.4	2.298	2.967	16.1	11.6
3 12	13 37.48	−32 24.3	2.190	2.959	14.2	11.5
3 22	13 30.28	−32 57.4	2.100	2.950	12.0	11.3
4 1	13 21.07	−33 6.9	2.033	2.941	9.8	11.1
4 11	13 10.71	−32 50.8	1.990	2.931	8.2	11.0
4 21	13 0.27	−32 10.7	1.974	2.921	8.0	11.0
5 1	12 50.88	−31 11.2	1.984	2.910	9.5	11.0
5 11	12 43.44	−30 0.3	2.019	2.898	11.8	11.2

74837 1999 TD_{33} 4 9.3 255.°31 1.°0/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 39.30	−12 10.0	1.797	2.587	16.0	20.6
3 12	13 35.44	−12 1.2	1.693	2.572	12.8	20.3
3 22	13 29.00	−11 37.0	1.610	2.556	8.9	20.1
4 1	13 20.49	−10 58.8	1.552	2.539	4.5	19.8
4 11	13 10.84	−10 10.5	1.521	2.523	1.1	19.5
4 21	13 1.15	− 9 17.9	1.518	2.505	5.4	19.7
5 1	12 52.57	− 8 28.1	1.541	2.488	10.1	20.0
5 11	12 46.04	− 7 47.5	1.587	2.470	14.2	20.2

471390 2011 ST_{129} 4 9.3 168.°26 0.°9/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 33.94	− 6 49.4	2.779	3.571	10.9	22.2
3 12	13 30.08	− 6 15.4	2.690	3.573	8.4	22.0
3 22	13 24.72	− 5 33.3	2.625	3.576	5.6	21.8
4 1	13 18.28	− 4 46.2	2.587	3.578	2.5	21.6
4 11	13 11.34	− 3 58.0	2.580	3.579	1.3	21.5
4 21	13 4.53	− 3 12.7	2.602	3.581	4.3	21.7
5 1	12 58.45	− 2 34.1	2.652	3.582	7.2	21.9
5 11	12 53.60	− 2 5.1	2.728	3.583	9.9	22.1

354359 2003 HR_{34} 4 9.3 304.°01 0.°4/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.51	−12 52.1	2.225	3.014	13.3	20.9
3 12	13 28.78	−12 9.1	2.120	2.999	10.5	20.7
3 22	13 24.17	−11 10.3	2.037	2.983	7.2	20.4
4 1	13 18.13	− 9 58.4	1.980	2.968	3.5	20.2
4 11	13 11.36	− 8 38.3	1.951	2.953	0.6	19.9
4 21	13 4.64	− 7 16.2	1.951	2.938	4.5	20.2
5 1	12 58.75	− 5 59.0	1.979	2.923	8.4	20.4
5 11	12 54.36	− 4 52.6	2.031	2.909	11.8	20.6

353703 2011 UN_{392} 4 9.3 219.°68 1.°8/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.62	−14 52.4	2.637	3.398	12.2	21.2
3 12	13 32.39	−14 58.6	2.536	3.394	9.8	21.0
3 22	13 26.41	−14 53.5	2.457	3.389	7.0	20.8
4 1	13 19.12	−14 37.8	2.405	3.385	4.0	20.6
4 11	13 11.17	−14 13.6	2.382	3.380	1.8	20.5
4 21	13 3.29	−13 44.0	2.388	3.375	3.8	20.6
5 1	12 56.18	−13 12.8	2.423	3.370	6.9	20.8
5 11	12 50.44	−12 44.4	2.484	3.365	9.8	20.9

237551 2000 WQ_{19} 4 9.3 272.°10 28.°1/29.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	14 40.77	+35 48.5	0.928	1.668	30.8	20.6
3 12	14 31.23	+37 52.1	0.834	1.630	29.5	20.3
3 22	14 12.31	+39 37.1	0.752	1.591	28.5	19.9
4 1	13 43.11	+40 22.5	0.683	1.548	28.2	19.7
4 11	13 5.93	+39 16.9	0.633	1.503	29.5	19.5
4 21	12 26.86	+35 46.0	0.603	1.456	33.0	19.4
5 1	11 52.93	+29 58.5	0.594	1.407	38.1	19.4
5 11	11 27.89	+22 44.0	0.604	1.355	43.8	19.6

331217 2011 BK_{47} 4 9.3 240.°07 0.°1/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.43	−11 25.8	2.039	2.828	14.3	21.8
3 12	13 32.78	−10 53.4	1.938	2.818	11.3	21.6
3 22	13 26.95	−10 6.2	1.860	2.807	7.7	21.3
4 1	13 19.46	− 9 6.5	1.807	2.796	3.7	21.1
4 11	13 11.10	− 7 59.5	1.783	2.784	0.7	20.8
4 21	13 2.81	− 6 51.4	1.787	2.772	5.0	21.1
5 1	12 55.51	− 5 48.8	1.818	2.760	9.1	21.3
5 11	12 49.93	− 4 57.5	1.873	2.748	12.8	21.5

207386 2005 TN_{105} 4 9.3 116.°63 16.°5/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 59.10	+27 2.1	1.212	2.010	21.7	19.8
3 12	13 51.49	+28 20.9	1.172	2.022	19.2	19.6
3 22	13 39.81	+29 15.0	1.149	2.033	17.3	19.6
4 1	13 25.32	+29 29.4	1.147	2.044	16.5	19.5
4 11	13 9.99	+28 54.9	1.165	2.054	17.2	19.6
4 21	12 55.86	+27 31.5	1.204	2.064	19.0	19.7
5 1	12 44.55	+25 26.8	1.263	2.074	21.3	19.9
5 11	12 36.87	+22 52.4	1.339	2.082	23.6	20.1

199664 2006 GX_{47} 4 9.3 326.°92 0.°3/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.16	− 9 8.8	1.825	2.631	15.1	20.8
3 12	13 31.98	− 8 48.8	1.735	2.625	11.9	20.6
3 22	13 26.49	− 8 15.7	1.666	2.619	8.0	20.4
4 1	13 19.26	− 7 32.5	1.623	2.614	3.7	20.1
4 11	13 11.15	− 6 44.3	1.607	2.608	0.9	19.9
4 21	13 3.16	− 5 56.9	1.618	2.603	5.5	20.2
5 1	12 56.27	− 5 16.5	1.654	2.599	9.7	20.4
5 11	12 51.25	− 4 48.1	1.714	2.594	13.5	20.6

420342 2012 BV_{44} 4 9.3 271.°42 3.°2/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 39.16	−16 26.7	1.655	2.435	17.5	21.2
3 12	13 35.65	−16 41.8	1.554	2.422	14.3	21.0
3 22	13 29.33	−16 38.8	1.472	2.407	10.5	20.7
4 1	13 20.73	−16 17.1	1.414	2.393	6.2	20.4
4 11	13 10.83	−15 38.9	1.381	2.378	3.2	20.2
4 21	13 0.87	−14 49.1	1.375	2.364	5.8	20.3
5 1	12 52.15	−13 55.4	1.395	2.349	10.3	20.5
5 11	12 45.69	−13 6.0	1.438	2.334	14.6	20.7

213585 2002 NS_{60} 4 9.3 280.°30 1.°8/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.28	− 7 40.9	1.598	2.416	16.3	20.5
3 12	13 32.39	− 6 46.5	1.511	2.409	12.8	20.3
3 22	13 26.94	− 5 35.7	1.445	2.402	8.5	20.0
4 1	13 19.52	− 4 13.7	1.404	2.395	3.9	19.7
4 11	13 11.11	− 2 48.6	1.389	2.389	2.4	19.6
4 21	13 2.84	− 1 29.5	1.402	2.382	7.0	19.8
5 1	12 55.83	− 0 24.7	1.439	2.375	11.6	20.1
5 11	12 50.93	+ 0 20.3	1.498	2.368	15.6	20.3

32960 1996 NO_4 4 9.3 229.°61 5.°8/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 40.64	−25 50.3	2.299	3.006	15.2	19.6
3 12	13 36.12	−26 24.0	2.188	2.995	13.0	19.4
3 22	13 29.28	−26 39.9	2.097	2.983	10.5	19.2
4 1	13 20.60	−26 35.3	2.029	2.971	7.8	19.1
4 11	13 10.88	−26 10.2	1.988	2.958	6.0	18.9
4 21	13 1.11	−25 26.8	1.975	2.944	6.3	18.9
5 1	12 52.30	−24 30.3	1.989	2.931	8.5	19.0
5 11	12 45.28	−23 27.9	2.029	2.916	11.4	19.2

121107 1999 GF_5 4 9.3 23.°55 22.°6/21.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 40.18	+36 47.1	1.018	1.833	23.8	17.2
3 12	13 37.50	+39 8.0	1.011	1.844	22.9	17.1
3 22	13 30.69	+40 46.6	1.018	1.857	22.6	17.2
4 1	13 21.13	+41 29.0	1.040	1.871	22.9	17.2
4 11	13 10.86	+41 8.9	1.075	1.887	23.8	17.4
4 21	13 1.79	+39 49.6	1.123	1.904	25.0	17.5
5 1	12 55.34	+37 39.9	1.183	1.922	26.3	17.7
5 11	12 52.17	+34 52.4	1.254	1.941	27.4	17.9

385905 2006 SX_{375} 4 9.3 68.°59 2.°8/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 33.95	− 2 15.5	2.190	3.005	12.6	21.1
3 12	13 30.40	− 1 18.4	2.122	3.019	9.7	21.0
3 22	13 25.05	− 0 14.4	2.077	3.034	6.4	20.8
4 1	13 18.46	+ 0 51.2	2.060	3.048	3.4	20.6
4 11	13 11.35	+ 1 52.5	2.071	3.062	3.4	20.6
4 21	13 4.50	+ 2 44.1	2.111	3.077	6.2	20.8
5 1	12 58.62	+ 3 21.9	2.176	3.091	9.3	21.1
5 11	12 54.25	+ 3 43.7	2.266	3.106	12.1	21.3

69537 1997 GZ_{32} 4 9.3 337.°20 1.°1/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 33.34	−11 59.9	1.545	2.357	17.1	19.2
3 12	13 31.09	−11 56.2	1.454	2.345	13.7	19.0
3 22	13 26.21	−11 35.8	1.383	2.334	9.5	18.7
4 1	13 19.24	−11 0.3	1.335	2.323	4.8	18.4
4 11	13 11.17	−10 14.5	1.312	2.313	1.2	18.1
4 21	13 3.16	− 9 24.7	1.314	2.304	5.7	18.4
5 1	12 56.39	− 8 38.6	1.341	2.296	10.5	18.6
5 11	12 51.79	− 8 3.1	1.390	2.289	14.9	18.8

430896 2005 SS_3 4 9.3 102.°41 0.°9/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.38	− 9 46.7	1.960	2.757	14.5	21.5
3 12	13 32.51	− 8 45.7	1.888	2.775	11.3	21.3
3 22	13 26.57	− 7 30.4	1.839	2.791	7.5	21.1
4 1	13 19.19	− 6 5.7	1.817	2.808	3.3	20.9
4 11	13 11.22	− 4 38.5	1.823	2.824	1.5	20.8
4 21	13 3.56	− 3 16.3	1.859	2.840	5.4	21.1
5 1	12 57.05	− 2 5.5	1.921	2.855	9.3	21.3
5 11	12 52.29	− 1 10.8	2.008	2.870	12.6	21.5

123048 2000 SY_{294} 4 9.3 162.°40 1.°3/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 41.35	−12 49.2	2.567	3.327	12.5	21.2
3 12	13 35.99	−12 53.4	2.474	3.334	9.9	21.0
3 22	13 28.78	−12 47.1	2.405	3.340	6.9	20.8
4 1	13 20.21	−12 31.2	2.363	3.346	3.7	20.6
4 11	13 11.01	−12 8.2	2.351	3.351	1.3	20.5
4 21	13 1.94	−11 41.3	2.369	3.355	3.9	20.7
5 1	12 53.77	−11 14.5	2.416	3.359	7.2	20.9
5 11	12 47.11	−10 51.7	2.490	3.362	10.1	21.1

320948 2008 HK_2 4 9.3 316.°77 0.°3/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.38	−10 4.8	1.552	2.368	16.9	20.6
3 12	13 31.84	− 9 35.6	1.462	2.357	13.3	20.4
3 22	13 26.68	− 8 49.1	1.392	2.346	9.1	20.1
4 1	13 19.45	− 7 48.7	1.345	2.336	4.2	19.8
4 11	13 11.14	− 6 40.9	1.325	2.326	1.1	19.5
4 21	13 2.91	− 5 33.8	1.330	2.317	6.2	19.8
5 1	12 55.94	− 4 35.6	1.360	2.308	11.1	20.1
5 11	12 51.14	− 3 52.9	1.412	2.299	15.4	20.3

119506 2001 UQ_{128} 4 9.3 145.°10 1.°9/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.22	− 3 32.9	2.409	3.203	12.3	21.2
3 12	13 35.08	− 2 58.9	2.330	3.216	9.4	21.0
3 22	13 28.12	− 2 18.2	2.277	3.228	6.3	20.8
4 1	13 19.88	− 1 34.7	2.251	3.240	3.0	20.6
4 11	13 11.09	− 0 53.0	2.255	3.251	2.4	20.6
4 21	13 2.54	− 0 17.4	2.288	3.261	5.3	20.8
5 1	12 54.96	+ 0 8.4	2.350	3.270	8.5	21.0
5 11	12 48.92	+ 0 22.2	2.437	3.278	11.3	21.2

440199 2004 GP_{39} 4 9.3 1.°77 5.°5/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 27.51	−25 9.2	1.525	2.294	19.3	19.9
3 12	13 26.63	−25 1.8	1.441	2.291	16.3	19.7
3 22	13 23.20	−24 24.6	1.374	2.291	12.7	19.4
4 1	13 17.81	−23 16.8	1.329	2.291	8.8	19.2
4 11	13 11.49	−21 42.1	1.307	2.293	5.9	19.0
4 21	13 5.37	−19 48.9	1.310	2.297	6.3	19.1
5 1	13 0.56	−17 48.5	1.338	2.302	9.6	19.3
5 11	12 57.88	−15 53.3	1.389	2.308	13.5	19.5

158444 2002 CX_{99} 4 9.3 341.°39 1.°1/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.44	− 7 8.4	1.637	2.455	16.0	20.0
3 12	13 32.44	− 6 46.2	1.552	2.450	12.5	19.7
3 22	13 26.94	− 6 11.4	1.488	2.445	8.4	19.5
4 1	13 19.52	− 5 27.8	1.449	2.440	3.8	19.2
4 11	13 11.15	− 4 41.2	1.436	2.436	1.7	19.0
4 21	13 2.93	− 3 58.4	1.449	2.433	6.2	19.3
5 1	12 55.94	− 3 25.5	1.487	2.430	10.7	19.6
5 11	12 51.01	− 3 7.0	1.548	2.427	14.7	19.8

192726 1999 TJ_{161} 4 9.3 235.°88 1.°2/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.78	−13 31.0	2.136	2.915	14.1	20.8
3 12	13 32.96	−13 18.9	2.037	2.908	11.3	20.6
3 22	13 27.03	−12 52.6	1.960	2.901	7.9	20.3
4 1	13 19.50	−12 13.5	1.908	2.893	4.1	20.1
4 11	13 11.16	−11 25.3	1.884	2.885	1.3	19.9
4 21	13 2.88	−10 32.8	1.889	2.877	4.5	20.1
5 1	12 55.57	− 9 42.1	1.921	2.869	8.4	20.3
5 11	12 49.94	− 8 58.4	1.978	2.860	11.9	20.5

353804 2012 TM_{106} 4 9.3 185.°12 0.°3/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.84	−11 3.8	2.439	3.220	12.5	22.0
3 12	13 31.85	−10 41.6	2.345	3.220	9.8	21.8
3 22	13 26.08	−10 8.0	2.275	3.220	6.7	21.6
4 1	13 18.99	− 9 25.3	2.231	3.219	3.2	21.4
4 11	13 11.28	− 8 37.3	2.217	3.218	0.6	21.2
4 21	13 3.69	− 7 48.4	2.231	3.217	4.2	21.5
5 1	12 56.95	− 7 3.4	2.274	3.216	7.6	21.7
5 11	12 51.65	− 6 26.6	2.342	3.214	10.7	21.9

235364 2003 WU_6 4 9.3 256.°32 1.°2/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.32	−13 16.3	2.321	3.094	13.3	21.5
3 12	13 33.30	−13 6.4	2.208	3.075	10.7	21.2
3 22	13 27.26	−12 43.4	2.117	3.056	7.5	21.0
4 1	13 19.63	−12 8.5	2.053	3.037	3.9	20.7
4 11	13 11.13	−11 24.8	2.016	3.017	1.2	20.5
4 21	13 2.60	−10 36.5	2.009	2.997	4.4	20.7
5 1	12 54.89	− 9 49.0	2.031	2.976	8.1	20.9
5 11	12 48.74	− 9 7.5	2.077	2.955	11.6	21.0

511064 2013 TH_5 4 9.3 203.°39 6.°9/20.0 18 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.83	−39 33.1	3.523	4.094	12.2	24.1
3 12	13 37.12	−39 56.4	3.402	4.087	11.1	24.0
3 22	13 29.56	−40 1.9	3.300	4.078	9.7	23.9
4 1	13 20.61	−39 46.8	3.220	4.068	8.4	23.8
4 11	13 10.95	−39 10.3	3.165	4.058	7.3	23.7
4 21	13 1.34	−38 13.6	3.138	4.046	6.9	23.6
5 1	12 52.53	−37 0.1	3.139	4.033	7.5	23.7
5 11	12 45.16	−35 35.4	3.167	4.020	8.7	23.7

505043 2011 RE_{11} 4 9.3 193.°57 0.°4/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.23	−13 19.1	2.947	3.715	10.9	22.4
3 12	13 29.52	−12 33.4	2.846	3.713	8.6	22.2
3 22	13 24.36	−11 35.6	2.770	3.710	5.9	22.0
4 1	13 18.15	−10 28.1	2.721	3.708	2.9	21.8
4 11	13 11.45	− 9 14.8	2.703	3.704	0.5	21.6
4 21	13 4.86	− 8 0.2	2.715	3.701	3.5	21.8
5 1	12 58.95	− 6 49.2	2.757	3.696	6.5	22.0
5 11	12 54.20	− 5 46.1	2.825	3.692	9.2	22.2

146167 2000 SY_{266} 4 9.3 176.°99 6.°3/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.73	−32 22.1	2.574	3.241	14.6	19.8
3 12	13 31.20	−32 25.9	2.472	3.242	12.7	19.7
3 22	13 25.75	−32 8.2	2.388	3.242	10.6	19.5
4 1	13 18.87	−31 27.1	2.328	3.242	8.4	19.4
4 11	13 11.31	−30 23.7	2.292	3.243	6.7	19.3
4 21	13 3.89	−29 1.2	2.284	3.243	6.4	19.2
5 1	12 57.41	−27 25.8	2.304	3.243	7.7	19.3
5 11	12 52.51	−25 45.1	2.350	3.242	9.8	19.5

197537 2004 EW_{71} 4 9.3 84.°15 1.°6/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.88	−15 27.8	3.165	3.918	10.5	20.6
3 12	13 29.88	−15 29.2	3.079	3.932	8.4	20.5
3 22	13 24.52	−15 20.6	3.017	3.946	6.0	20.3
4 1	13 18.20	−15 3.1	2.981	3.959	3.4	20.2
4 11	13 11.46	−14 38.6	2.975	3.973	1.7	20.1
4 21	13 4.85	−14 10.0	2.999	3.986	3.2	20.2
5 1	12 58.91	−13 40.2	3.052	3.999	5.6	20.4
5 11	12 54.09	−13 12.8	3.132	4.013	8.0	20.6

473965 2016 EE_{188} 4 9.3 0.°92 2.°7/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.45	−17 9.7	1.496	2.289	18.5	21.2
3 12	13 32.79	−16 57.3	1.413	2.288	15.0	21.0
3 22	13 27.36	−16 21.8	1.348	2.288	10.8	20.7
4 1	13 19.78	−15 24.4	1.306	2.288	6.2	20.5
4 11	13 11.14	−14 9.9	1.289	2.288	2.7	20.2
4 21	13 2.69	−12 46.4	1.298	2.289	5.7	20.4
5 1	12 55.66	−11 24.1	1.332	2.289	10.3	20.7
5 11	12 50.95	−10 12.1	1.389	2.290	14.7	20.9

432062 2008 YA_{52} 4 9.3 242.°11 5.°5/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.61	+ 6 33.9	2.205	3.027	12.3	21.4
3 12	13 31.81	+ 7 37.6	2.127	3.024	9.7	21.2
3 22	13 26.11	+ 8 42.5	2.073	3.020	7.1	21.0
4 1	13 19.03	+ 9 42.2	2.046	3.016	5.5	20.9
4 11	13 11.30	+10 30.4	2.047	3.012	6.2	20.9
4 21	13 3.74	+11 2.2	2.074	3.008	8.5	21.1
5 1	12 57.13	+11 14.6	2.127	3.004	11.2	21.2
5 11	12 52.07	+11 7.3	2.201	3.000	13.8	21.4

464588 2016 CW_{105} 4 9.3 312.°84 6.°5/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.99	−22 35.6	1.364	2.144	20.6	20.5
3 12	13 32.39	−23 10.2	1.263	2.122	17.5	20.3
3 22	13 27.63	−23 19.4	1.179	2.101	13.8	20.0
4 1	13 20.15	−22 59.2	1.114	2.080	9.7	19.7
4 11	13 11.02	−22 9.2	1.073	2.059	6.7	19.4
4 21	13 1.70	−20 54.0	1.054	2.040	7.7	19.4
5 1	12 53.77	−19 23.7	1.059	2.021	11.8	19.6
5 11	12 48.52	−17 51.6	1.085	2.002	16.4	19.8

264509 2001 QU_{211} 4 9.3 142.°26 1.°3/ 7.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.33	− 6 57.5	2.368	3.159	12.5	22.0
3 12	13 33.67	− 6 10.5	2.289	3.172	9.7	21.8
3 22	13 27.22	− 5 13.8	2.234	3.185	6.4	21.7
4 1	13 19.49	− 4 11.3	2.207	3.198	2.9	21.4
4 11	13 11.23	− 3 8.1	2.210	3.209	1.7	21.4
4 21	13 3.20	− 2 9.6	2.243	3.220	5.0	21.6
5 1	12 56.13	− 1 20.5	2.304	3.230	8.3	21.8
5 11	12 50.58	− 0 44.1	2.389	3.239	11.3	22.0

97627 2000 EB_{128} 4 9.3 47.°55 6.°9/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 49.74	−22 35.6	1.966	2.685	17.1	19.0
3 12	13 43.58	−24 13.7	1.878	2.694	14.5	18.8
3 22	13 34.52	−25 37.6	1.811	2.702	11.6	18.7
4 1	13 23.14	−26 42.4	1.768	2.711	8.7	18.5
4 11	13 10.47	−27 25.0	1.753	2.720	7.0	18.4
4 21	12 57.81	−27 45.7	1.766	2.729	7.6	18.5
5 1	12 46.45	−27 48.1	1.807	2.738	9.9	18.6
5 11	12 37.42	−27 38.9	1.872	2.747	12.7	18.8

38816 2000 RZ_{73} 4 9.3 203.°43 0.°1/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.52	−10 40.4	2.051	2.835	14.5	19.9
3 12	13 35.93	−10 15.0	1.954	2.830	11.4	19.7
3 22	13 29.07	− 9 36.1	1.878	2.824	7.8	19.5
4 1	13 20.49	− 8 45.9	1.829	2.818	3.7	19.2
4 11	13 11.02	− 7 49.3	1.809	2.810	0.7	19.0
4 21	13 1.65	− 6 51.8	1.817	2.802	5.1	19.3
5 1	12 53.33	− 5 59.9	1.854	2.793	9.2	19.5
5 11	12 46.83	− 5 18.5	1.915	2.783	12.8	19.7

391273 2006 SV_{118} 4 9.3 211.°20 1.°0/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.34	−12 5.8	2.563	3.334	12.2	21.5
3 12	13 32.99	−12 6.5	2.464	3.331	9.7	21.3
3 22	13 26.85	−11 56.9	2.387	3.327	6.7	21.1
4 1	13 19.38	−11 38.4	2.338	3.323	3.5	20.9
4 11	13 11.25	−11 13.3	2.318	3.319	1.0	20.7
4 21	13 3.20	−10 45.2	2.327	3.314	3.9	20.9
5 1	12 55.94	−10 17.8	2.365	3.309	7.2	21.1
5 11	12 50.10	− 9 55.1	2.428	3.304	10.2	21.3

292631 2006 UZ_{23} 4 9.3 70.°09 1.°5/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.10	−15 18.2	2.271	3.044	13.5	20.6
3 12	13 30.62	−14 57.5	2.188	3.054	10.8	20.4
3 22	13 25.29	−14 22.1	2.126	3.063	7.6	20.2
4 1	13 18.65	−13 33.8	2.090	3.073	4.1	20.0
4 11	13 11.41	−12 36.6	2.083	3.083	1.5	19.8
4 21	13 4.37	−11 35.6	2.104	3.092	4.1	20.0
5 1	12 58.27	−10 36.4	2.153	3.102	7.5	20.3
5 11	12 53.69	− 9 44.2	2.227	3.112	10.6	20.5

177745 2005 JM_{44} 4 9.3 295.°07 1.°9/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.21	− 5 38.5	1.568	2.389	16.5	20.6
3 12	13 34.22	− 5 10.0	1.465	2.365	13.0	20.3
3 22	13 28.45	− 4 28.3	1.384	2.341	8.8	19.9
4 1	13 20.40	− 3 37.4	1.326	2.317	4.1	19.6
4 11	13 11.03	− 2 44.0	1.294	2.293	2.6	19.4
4 21	13 1.54	− 1 55.6	1.288	2.269	7.3	19.7
5 1	12 53.22	− 1 19.7	1.307	2.245	12.3	19.9
5 11	12 47.13	− 1 1.5	1.347	2.222	16.8	20.1

461115 2015 DG_{22} 4 9.3 74.°97 5.°0/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.68	+ 2 40.2	1.884	2.711	13.9	20.8
3 12	13 32.05	+ 3 54.9	1.821	2.723	10.7	20.7
3 22	13 26.33	+ 5 13.6	1.782	2.736	7.5	20.5
4 1	13 19.13	+ 6 29.2	1.770	2.749	5.2	20.4
4 11	13 11.33	+ 7 33.9	1.784	2.761	5.7	20.4
4 21	13 3.85	+ 8 21.8	1.826	2.774	8.5	20.6
5 1	12 57.52	+ 8 49.3	1.892	2.787	11.6	20.8
5 11	12 52.95	+ 8 55.4	1.980	2.799	14.4	21.0

249539 Pedrosevilla 4 9.3 304.°71 4.°0/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.51	−20 55.4	2.167	2.917	14.8	20.0
3 12	13 31.35	−21 6.7	2.060	2.903	12.3	19.8
3 22	13 26.07	−21 0.6	1.973	2.890	9.4	19.6
4 1	13 19.13	−20 36.2	1.911	2.877	6.3	19.4
4 11	13 11.30	−19 55.3	1.875	2.864	4.1	19.2
4 21	13 3.48	−19 1.7	1.867	2.851	5.1	19.3
5 1	12 56.57	−18 1.3	1.885	2.838	8.1	19.4
5 11	12 51.33	−17 0.9	1.928	2.826	11.4	19.6

396359 2014 DC_{87} 4 9.3 259.°70 2.°3/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 32.99	− 3 36.4	2.365	3.175	12.0	20.8
3 12	13 29.69	− 2 40.8	2.276	3.171	9.2	20.6
3 22	13 24.66	− 1 37.0	2.212	3.167	6.1	20.4
4 1	13 18.37	− 0 29.3	2.174	3.163	3.1	20.2
4 11	13 11.48	+ 0 36.6	2.166	3.159	2.9	20.2
4 21	13 4.70	+ 1 35.2	2.186	3.155	5.8	20.4
5 1	12 58.76	+ 2 21.9	2.233	3.151	9.0	20.5
5 11	12 54.21	+ 2 53.6	2.304	3.147	11.9	20.7

375816 2009 UP_{26} 4 9.3 186.°92 0.°3/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.27	− 9 52.5	2.393	3.176	12.6	22.3
3 12	13 32.99	− 9 15.3	2.298	3.176	9.9	22.1
3 22	13 26.87	− 8 26.3	2.228	3.175	6.7	21.9
4 1	13 19.40	− 7 28.4	2.184	3.173	3.0	21.6
4 11	13 11.27	− 6 26.3	2.170	3.171	0.8	21.4
4 21	13 3.28	− 5 25.1	2.185	3.168	4.5	21.7
5 1	12 56.17	− 4 30.3	2.229	3.165	8.1	21.9
5 11	12 50.55	− 3 45.9	2.299	3.161	11.2	22.1

213849 2003 SF_{55} 4 9.4 99.°70 2.°4/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.86	− 7 32.2	1.906	2.705	14.8	20.9
3 12	13 35.09	− 5 48.9	1.847	2.736	11.3	20.7
3 22	13 28.22	− 3 52.2	1.812	2.766	7.4	20.5
4 1	13 19.94	− 1 49.7	1.806	2.796	3.5	20.4
4 11	13 11.19	+ 0 9.2	1.829	2.824	3.1	20.4
4 21	13 2.91	+ 1 55.8	1.882	2.851	6.6	20.6
5 1	12 55.90	+ 3 23.3	1.964	2.878	10.2	20.9
5 11	12 50.75	+ 4 28.4	2.068	2.904	13.3	21.2

298760 2004 HU_{67} 4 9.4 24.°61 0.°2/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.97	−11 15.3	2.130	2.923	13.7	21.0
3 12	13 30.67	−10 48.1	2.043	2.924	10.8	20.8
3 22	13 25.43	−10 7.8	1.978	2.926	7.3	20.5
4 1	13 18.75	− 9 16.9	1.939	2.928	3.5	20.3
4 11	13 11.41	− 8 20.2	1.928	2.930	0.6	20.1
4 21	13 4.22	− 7 23.1	1.946	2.932	4.6	20.4
5 1	12 58.00	− 6 31.3	1.990	2.935	8.3	20.6
5 11	12 53.36	− 5 49.6	2.059	2.937	11.6	20.8

82310 2001 KQ_{51} 4 9.4 258.°55 4.°3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.66	−21 9.8	1.856	2.610	16.8	19.6
3 12	13 34.23	−21 17.9	1.751	2.597	14.0	19.4
3 22	13 28.25	−21 5.3	1.665	2.584	10.7	19.1
4 1	13 20.23	−20 30.6	1.603	2.570	7.1	18.9
4 11	13 11.09	−19 35.7	1.567	2.556	4.5	18.7
4 21	13 1.94	−18 25.4	1.557	2.542	5.7	18.7
5 1	12 53.90	−17 7.6	1.574	2.528	9.3	18.9
5 11	12 47.91	−15 51.3	1.616	2.514	13.2	19.1

375819 2009 UO_{35} 4 9.4 159.°40 0.°1/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.67	−10 53.0	2.253	3.036	13.3	22.0
3 12	13 33.39	−10 26.2	2.165	3.041	10.5	21.9
3 22	13 27.17	− 9 47.1	2.101	3.046	7.1	21.7
4 1	13 19.54	− 8 58.4	2.063	3.051	3.4	21.4
4 11	13 11.26	− 8 4.4	2.053	3.055	0.6	21.2
4 21	13 3.15	− 7 10.2	2.073	3.059	4.5	21.5
5 1	12 56.01	− 6 21.1	2.121	3.062	8.1	21.7
5 11	12 50.47	− 5 41.6	2.195	3.065	11.4	21.9

213104 1999 XF_{26} 4 9.4 213.°64 1.°9/ 7.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.49	− 3 46.8	2.225	3.018	13.2	21.4
3 12	13 37.27	− 3 22.1	2.125	3.009	10.3	21.2
3 22	13 29.89	− 2 49.8	2.049	2.999	6.9	21.0
4 1	13 20.87	− 2 13.6	1.999	2.989	3.3	20.7
4 11	13 11.00	− 1 37.9	1.980	2.977	2.3	20.6
4 21	13 1.18	− 1 7.5	1.990	2.965	5.8	20.8
5 1	12 52.34	− 0 46.6	2.028	2.951	9.5	21.0
5 11	12 45.19	− 0 38.0	2.091	2.937	12.8	21.2

437232 2012 XX_{7} 4 9.4 144.°90 5.°3/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.46	+ 7 50.5	2.362	3.180	11.7	20.7
3 12	13 32.30	+ 8 43.6	2.289	3.182	9.3	20.5
3 22	13 26.35	+ 9 36.0	2.241	3.184	6.9	20.4
4 1	13 19.13	+10 22.2	2.219	3.186	5.4	20.3
4 11	13 11.36	+10 56.7	2.225	3.188	6.0	20.3
4 21	13 3.78	+11 15.7	2.259	3.190	8.1	20.5
5 1	12 57.13	+11 17.0	2.318	3.192	10.6	20.6
5 11	12 51.96	+11 0.5	2.399	3.193	12.9	20.8

435367 2007 VK_{291} 4 9.4 206.°72 3.°2/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.59	+ 1 37.3	2.654	3.460	10.9	22.1
3 12	13 32.26	+ 2 19.0	2.564	3.456	8.5	21.9
3 22	13 26.28	+ 3 4.3	2.499	3.450	5.8	21.7
4 1	13 19.10	+ 3 48.7	2.462	3.445	3.6	21.6
4 11	13 11.36	+ 4 27.9	2.454	3.439	3.7	21.6
4 21	13 3.73	+ 4 57.8	2.476	3.432	6.1	21.7
5 1	12 56.87	+ 5 15.5	2.525	3.425	8.8	21.9
5 11	12 51.33	+ 5 19.3	2.598	3.418	11.4	22.0

332143 2005 XH_{7} 4 9.4 94.°80 11.°3/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 44.81	+22 55.4	1.846	2.647	15.2	20.5
3 12	13 39.30	+24 4.4	1.793	2.650	13.2	20.4
3 22	13 31.25	+24 59.6	1.762	2.654	11.8	20.3
4 1	13 21.43	+25 31.7	1.754	2.657	11.3	20.2
4 11	13 10.93	+25 34.0	1.770	2.661	12.1	20.3
4 21	13 0.91	+25 4.4	1.809	2.664	13.8	20.4
5 1	12 52.40	+24 4.1	1.870	2.667	15.8	20.6
5 11	12 46.11	+22 38.2	1.949	2.671	17.8	20.7

87779 2000 SY_{108} 4 9.4 152.°91 0.°3/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.24	− 8 57.5	2.078	2.870	14.0	19.6
3 12	13 34.01	− 8 36.4	1.992	2.875	10.9	19.4
3 22	13 27.68	− 8 3.9	1.930	2.879	7.4	19.2
4 1	13 19.81	− 7 22.9	1.893	2.883	3.4	18.9
4 11	13 11.23	− 6 37.9	1.885	2.886	0.9	18.7
4 21	13 2.83	− 5 54.2	1.905	2.890	4.9	19.0
5 1	12 55.48	− 5 16.7	1.953	2.893	8.8	19.3
5 11	12 49.86	− 4 49.7	2.025	2.895	12.2	19.5

350097 2011 OQ_{1} 4 9.4 124.°87 4.°2/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.14	+ 2 30.5	2.529	3.346	11.1	20.9
3 12	13 29.59	+ 3 59.7	2.458	3.356	8.5	20.8
3 22	13 24.47	+ 5 33.0	2.413	3.364	6.0	20.6
4 1	13 18.25	+ 7 4.3	2.397	3.373	4.3	20.5
4 11	13 11.55	+ 8 27.2	2.410	3.381	4.9	20.6
4 21	13 5.03	+ 9 36.2	2.452	3.390	7.2	20.7
5 1	12 59.33	+10 27.8	2.520	3.398	9.7	20.9
5 11	12 54.94	+11 0.5	2.611	3.405	12.0	21.1

398789 2013 AX_{126} 4 9.4 222.°55 3.°5/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.70	−21 55.5	2.690	3.419	12.7	21.4
3 12	13 30.99	−21 54.9	2.584	3.414	10.6	21.2
3 22	13 25.54	−21 38.7	2.500	3.409	8.1	21.0
4 1	13 18.81	−21 7.0	2.442	3.403	5.4	20.8
4 11	13 11.43	−20 21.4	2.411	3.397	3.6	20.7
4 21	13 4.12	−19 25.6	2.409	3.391	4.3	20.7
5 1	12 57.58	−18 24.3	2.436	3.385	6.7	20.9
5 11	12 52.41	−17 23.2	2.489	3.379	9.4	21.0

251012 2006 PE_{38} 4 9.4 181.°29 2.°8/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.55	− 2 21.3	2.207	3.010	12.9	21.8
3 12	13 34.87	− 1 28.6	2.121	3.011	10.0	21.6
3 22	13 28.19	− 0 28.2	2.059	3.012	6.7	21.4
4 1	13 20.04	+ 0 35.1	2.024	3.012	3.6	21.2
4 11	13 11.20	+ 1 35.1	2.019	3.011	3.3	21.1
4 21	13 2.54	+ 2 26.4	2.043	3.010	6.4	21.3
5 1	12 54.87	+ 3 4.2	2.095	3.007	9.8	21.5
5 11	12 48.84	+ 3 26.1	2.170	3.004	12.8	21.7

460114 2014 PX_{26} 4 9.4 175.°95 2.°6/11.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.58	−15 36.0	1.833	2.602	16.4	22.1
3 12	13 37.86	−15 46.2	1.742	2.605	13.3	21.9
3 22	13 30.55	−15 40.3	1.673	2.606	9.6	21.6
4 1	13 21.26	−15 18.2	1.628	2.607	5.5	21.4
4 11	13 10.96	−14 42.9	1.610	2.608	2.6	21.2
4 21	13 0.80	−13 59.1	1.620	2.608	5.2	21.4
5 1	12 51.90	−13 13.4	1.658	2.607	9.3	21.6
5 11	12 45.13	−12 32.4	1.719	2.606	13.1	21.8

497565 2006 DU_{146} 4 9.4 306.°24 0.°0/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.81	−10 31.7	1.896	2.696	14.9	21.6
3 12	13 31.65	−10 1.6	1.805	2.691	11.7	21.3
3 22	13 26.28	− 9 16.9	1.736	2.686	7.9	21.1
4 1	13 19.23	− 8 20.6	1.692	2.682	3.7	20.8
4 11	13 11.36	− 7 18.1	1.675	2.677	0.8	20.6
4 21	13 3.62	− 6 15.9	1.686	2.673	5.2	20.9
5 1	12 56.93	− 5 20.5	1.724	2.668	9.4	21.1
5 11	12 52.04	− 4 37.5	1.785	2.664	13.1	21.4

344304 2001 UR_{114} 4 9.4 142.°77 0.°5/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.77	−12 8.7	2.656	3.430	11.8	21.5
3 12	13 30.85	−11 39.9	2.567	3.438	9.2	21.3
3 22	13 25.33	−10 59.8	2.503	3.445	6.3	21.2
4 1	13 18.68	−10 10.7	2.465	3.452	3.1	21.0
4 11	13 11.51	− 9 16.4	2.457	3.459	0.6	20.8
4 21	13 4.49	− 8 21.1	2.479	3.465	3.8	21.0
5 1	12 58.27	− 7 29.4	2.529	3.471	6.9	21.2
5 11	12 53.36	− 6 45.4	2.606	3.477	9.7	21.4

372409 2009 RW_{36} 4 9.4 206.°58 5.°5/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.56	−24 39.5	2.310	3.019	15.1	22.7
3 12	13 37.59	−25 18.4	2.204	3.014	12.8	22.5
3 22	13 30.29	−25 40.6	2.119	3.008	10.2	22.3
4 1	13 21.15	−25 43.6	2.057	3.002	7.5	22.1
4 11	13 11.00	−25 27.1	2.023	2.995	5.7	22.0
4 21	13 0.83	−24 53.5	2.017	2.987	6.1	22.0
5 1	12 51.65	−24 7.5	2.038	2.979	8.4	22.1
5 11	12 44.28	−23 16.0	2.085	2.970	11.2	22.3

67440 2000 QD_{137} 4 9.4 215.°95 1.°9/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.53	− 5 26.3	1.908	2.711	14.7	20.2
3 12	13 36.11	− 4 47.5	1.814	2.703	11.5	20.0
3 22	13 29.31	− 3 57.4	1.741	2.695	7.7	19.7
4 1	13 20.68	− 3 0.5	1.696	2.686	3.6	19.4
4 11	13 11.11	− 2 2.8	1.678	2.676	2.4	19.3
4 21	13 1.63	− 1 10.7	1.688	2.665	6.4	19.6
5 1	12 53.25	− 0 30.2	1.726	2.654	10.5	19.8
5 11	12 46.79	− 0 5.3	1.786	2.642	14.2	20.0

336968 2011 JJ_{17} 4 9.4 276.°95 2.°8/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.29	− 2 18.0	2.007	2.822	13.6	20.6
3 12	13 32.67	− 1 38.7	1.914	2.811	10.6	20.4
3 22	13 26.92	− 0 51.5	1.845	2.801	7.1	20.2
4 1	13 19.54	− 0 1.0	1.801	2.790	3.7	20.0
4 11	13 11.34	+ 0 46.9	1.785	2.779	3.3	19.9
4 21	13 3.23	+ 1 26.4	1.797	2.768	6.7	20.1
5 1	12 56.10	+ 1 52.7	1.835	2.757	10.4	20.3
5 11	12 50.68	+ 2 3.1	1.896	2.746	13.7	20.5

430589 2002 RT_{217} 4 9.4 232.°81 1.°8/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.85	− 5 21.8	2.588	3.385	11.4	22.1
3 12	13 31.06	− 4 24.8	2.484	3.372	8.8	21.9
3 22	13 25.59	− 3 18.3	2.406	3.359	5.9	21.7
4 1	13 18.86	− 2 6.1	2.355	3.345	2.8	21.5
4 11	13 11.49	− 0 53.4	2.334	3.330	2.3	21.4
4 21	13 4.17	+ 0 14.3	2.343	3.315	5.3	21.6
5 1	12 57.59	+ 1 12.1	2.380	3.300	8.5	21.8
5 11	12 52.32	+ 1 56.4	2.443	3.283	11.3	21.9

423848 2006 QS_{72} 4 9.4 220.°46 1.°1/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.18	− 7 24.2	2.001	2.799	14.3	22.2
3 12	13 34.96	− 6 49.4	1.904	2.791	11.2	22.0
3 22	13 28.49	− 6 2.6	1.830	2.782	7.5	21.8
4 1	13 20.29	− 5 7.3	1.782	2.772	3.4	21.5
4 11	13 11.21	− 4 9.0	1.762	2.762	1.6	21.3
4 21	13 2.19	− 3 13.8	1.770	2.751	5.7	21.6
5 1	12 54.21	− 2 27.7	1.806	2.739	9.8	21.8
5 11	12 48.03	− 1 55.2	1.866	2.727	13.4	22.0

160724 2000 QM_{171} 4 9.4 134.°80 1.°3/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.27	−13 36.8	1.683	2.471	17.0	20.4
3 12	13 36.14	−13 23.1	1.603	2.479	13.5	20.2
3 22	13 29.40	−12 52.1	1.543	2.486	9.4	19.9
4 1	13 20.72	−12 5.6	1.508	2.493	4.8	19.7
4 11	13 11.13	−11 8.5	1.499	2.500	1.4	19.5
4 21	13 1.80	−10 7.5	1.518	2.506	5.3	19.7
5 1	12 53.84	− 9 10.3	1.563	2.512	9.8	20.0
5 11	12 48.05	− 8 23.4	1.632	2.518	13.7	20.3

419136 2009 SR_{265} 4 9.4 278.°04 0.°1/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.70	− 7 4.6	1.805	2.603	15.6	20.4
3 12	13 38.08	− 7 19.5	1.706	2.591	12.3	20.2
3 22	13 30.83	− 7 25.9	1.629	2.578	8.4	19.9
4 1	13 21.48	− 7 25.4	1.576	2.566	4.0	19.6
4 11	13 10.97	− 7 21.2	1.552	2.554	0.8	19.3
4 21	13 0.45	− 7 16.9	1.555	2.541	5.6	19.6
5 1	12 51.09	− 7 16.8	1.585	2.528	10.2	19.9
5 11	12 43.82	− 7 24.7	1.639	2.516	14.2	20.1

304717 2006 XU_5 4 9.4 160.°79 0.°3/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.93	− 7 55.6	3.059	3.836	10.3	21.8
3 12	13 32.28	− 7 42.7	2.968	3.842	8.0	21.6
3 22	13 26.19	− 7 22.8	2.902	3.848	5.4	21.5
4 1	13 19.06	− 6 58.0	2.864	3.853	2.5	21.3
4 11	13 11.47	− 6 31.0	2.856	3.858	0.7	21.1
4 21	13 4.01	− 6 4.7	2.879	3.862	3.6	21.4
5 1	12 57.23	− 5 42.2	2.931	3.866	6.4	21.6
5 11	12 51.63	− 5 26.1	3.010	3.869	8.9	21.7

497097 2004 BW_7 4 9.4 110.°60 5.°9/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.86	+10 11.7	2.451	3.264	11.5	21.7
3 12	13 33.20	+11 19.8	2.397	3.283	9.2	21.6
3 22	13 26.85	+12 25.2	2.367	3.302	7.0	21.5
4 1	13 19.35	+13 22.0	2.365	3.321	5.9	21.4
4 11	13 11.43	+14 4.7	2.390	3.339	6.6	21.5
4 21	13 3.81	+14 29.8	2.444	3.356	8.4	21.7
5 1	12 57.15	+14 35.9	2.522	3.373	10.6	21.8
5 11	12 51.97	+14 23.4	2.622	3.390	12.6	22.0

123679 2000 YF_{92} 4 9.4 117.°39 4.°3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.45	−23 11.0	2.138	2.871	15.5	19.5
3 12	13 33.51	−23 11.7	2.051	2.882	12.9	19.3
3 22	13 27.42	−22 52.5	1.985	2.892	9.9	19.1
4 1	13 19.75	−22 13.1	1.942	2.902	6.7	19.0
4 11	13 11.36	−21 15.9	1.927	2.911	4.5	18.8
4 21	13 3.18	−20 5.9	1.939	2.921	5.1	18.9
5 1	12 56.10	−18 49.9	1.979	2.930	7.9	19.1
5 11	12 50.80	−17 35.3	2.044	2.939	11.0	19.3

164847 1999 TC_{153} 4 9.4 223.°95 4.°4/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 56.97	+ 3 25.6	1.279	2.092	20.0	19.9
3 12	13 50.33	+ 3 6.3	1.195	2.087	15.9	19.7
3 22	13 39.70	+ 2 45.3	1.130	2.081	11.1	19.3
4 1	13 25.80	+ 2 17.3	1.089	2.075	6.2	19.0
4 11	13 10.15	+ 1 37.2	1.075	2.069	4.9	19.0
4 21	12 54.68	+ 0 42.5	1.088	2.062	9.5	19.2
5 1	12 41.28	− 0 26.9	1.126	2.054	14.8	19.4
5 11	12 31.25	− 1 49.4	1.186	2.047	19.5	19.7

182121 2000 QL_{227} 4 9.4 251.°17 0.°3/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 27.55	−11 44.8	4.830	5.596	6.9	20.3
3 12	13 24.65	−11 22.0	4.720	5.586	5.4	20.1
3 22	13 20.91	−10 53.1	4.636	5.576	3.7	20.0
4 1	13 16.59	−10 19.3	4.580	5.566	1.8	19.9
4 11	13 11.98	− 9 42.5	4.555	5.556	0.4	19.7
4 21	13 7.41	− 9 4.7	4.560	5.546	2.2	19.9
5 1	13 3.20	− 8 28.2	4.595	5.536	4.1	20.0
5 11	12 59.63	− 7 55.1	4.657	5.526	5.8	20.1

371639 2007 BW_{17} 4 9.4 63.°36 4.°4/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.03	−19 45.9	1.653	2.419	18.1	20.9
3 12	13 36.05	−20 11.7	1.581	2.434	14.9	20.8
3 22	13 29.39	−20 17.2	1.527	2.450	11.1	20.6
4 1	13 20.74	−20 1.6	1.496	2.465	7.2	20.4
4 11	13 11.18	−19 27.3	1.491	2.481	4.5	20.2
4 21	13 1.93	−18 39.4	1.512	2.497	5.8	20.3
5 1	12 54.13	−17 45.5	1.559	2.513	9.4	20.6
5 11	12 48.60	−16 53.7	1.629	2.529	13.0	20.8

132436 2002 GW_{164} 4 9.4 182.°31 1.°1/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.00	− 8 20.4	1.930	2.728	14.7	20.1
3 12	13 34.81	− 7 36.0	1.843	2.729	11.5	19.9
3 22	13 28.36	− 6 38.2	1.777	2.729	7.7	19.7
4 1	13 20.22	− 5 31.0	1.739	2.729	3.5	19.4
4 11	13 11.27	− 4 20.6	1.728	2.728	1.6	19.3
4 21	13 2.50	− 3 13.8	1.746	2.727	5.7	19.5
5 1	12 54.85	− 2 17.2	1.791	2.725	9.8	19.8
5 11	12 49.06	− 1 35.5	1.860	2.722	13.4	20.0

497292 2005 ST_{88} 4 9.4 244.°32 0.°6/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.29	−12 43.3	2.111	2.892	14.2	22.7
3 12	13 33.49	−12 13.5	2.003	2.877	11.3	22.5
3 22	13 27.53	−11 28.2	1.917	2.861	7.8	22.3
4 1	13 19.88	−10 29.3	1.858	2.845	3.9	22.0
4 11	13 11.33	− 9 21.4	1.826	2.828	0.7	21.7
4 21	13 2.78	− 8 10.5	1.824	2.810	4.8	22.0
5 1	12 55.17	− 7 3.2	1.849	2.793	8.9	22.2
5 11	12 49.25	− 6 5.9	1.899	2.774	12.6	22.4

470640 2008 SJ_{101} 4 9.4 247.°42 2.°2/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.05	− 3 47.2	2.211	3.016	12.9	22.1
3 12	13 33.11	− 3 6.5	2.110	3.002	10.0	21.9
3 22	13 27.16	− 2 17.1	2.033	2.987	6.7	21.6
4 1	13 19.67	− 1 23.0	1.983	2.972	3.3	21.4
4 11	13 11.39	− 0 29.7	1.961	2.957	2.7	21.3
4 21	13 3.14	+ 0 17.5	1.968	2.941	6.0	21.5
5 1	12 55.77	+ 0 53.5	2.003	2.925	9.6	21.7
5 11	12 49.98	+ 1 15.1	2.061	2.909	12.9	21.8

303726 2005 QE_{35} 4 9.4 194.°58 4.°5/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.15	−25 3.8	3.130	3.820	11.8	21.5
3 12	13 35.05	−25 39.0	3.021	3.817	10.0	21.4
3 22	13 28.23	−26 1.3	2.934	3.814	8.0	21.2
4 1	13 20.12	−26 9.1	2.873	3.811	6.0	21.1
4 11	13 11.31	−26 2.6	2.841	3.807	4.6	21.0
4 21	13 2.50	−25 43.3	2.838	3.803	4.9	21.0
5 1	12 54.39	−25 14.5	2.863	3.799	6.5	21.1
5 11	12 47.57	−24 40.4	2.916	3.794	8.6	21.2

460254 2014 QG_{278} 4 9.4 234.°37 0.°7/ 9.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.03	−11 12.2	1.611	2.409	17.2	22.5
3 12	13 37.07	−11 6.6	1.518	2.401	13.7	22.2
3 22	13 30.30	−10 45.5	1.446	2.394	9.5	21.9
4 1	13 21.28	−10 10.5	1.397	2.386	4.7	21.6
4 11	13 11.08	− 9 26.2	1.375	2.377	0.9	21.3
4 21	13 0.92	− 8 38.9	1.380	2.368	5.8	21.6
5 1	12 52.09	− 7 55.8	1.411	2.359	10.7	21.9
5 11	12 45.56	− 7 23.3	1.464	2.349	15.1	22.1

474039 2016 GT_{217} 4 9.4 310.°91 0.°6/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.11	− 7 19.7	1.475	2.295	17.4	20.6
3 12	13 35.08	− 7 17.5	1.381	2.278	13.8	20.3
3 22	13 29.14	− 7 2.9	1.306	2.262	9.4	20.0
4 1	13 20.82	− 6 38.6	1.255	2.246	4.4	19.6
4 11	13 11.16	− 6 9.6	1.229	2.230	1.3	19.4
4 21	13 1.45	− 5 42.1	1.229	2.215	6.6	19.7
5 1	12 53.06	− 5 22.4	1.252	2.201	11.8	19.9
5 11	12 47.05	− 5 15.9	1.298	2.186	16.4	20.1

341147 2007 PV_{19} 4 9.4 243.°00 0.°2/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.04	−10 33.8	2.498	3.277	12.3	22.2
3 12	13 32.92	−10 12.7	2.387	3.261	9.7	22.0
3 22	13 26.95	− 9 40.4	2.300	3.245	6.6	21.8
4 1	13 19.56	− 8 58.9	2.240	3.228	3.2	21.5
4 11	13 11.42	− 8 11.7	2.208	3.210	0.6	21.3
4 21	13 3.28	− 7 23.3	2.207	3.192	4.3	21.5
5 1	12 55.90	− 6 38.4	2.234	3.174	7.8	21.7
5 11	12 49.94	− 6 1.4	2.286	3.154	11.0	21.9

60728 2000 GS_{76} 4 9.4 267.°11 1.°4/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.39	−15 2.9	1.624	2.414	17.4	19.8
3 12	13 34.38	−14 34.4	1.517	2.394	14.1	19.5
3 22	13 28.61	−13 43.6	1.430	2.373	10.0	19.2
4 1	13 20.56	−12 31.6	1.366	2.352	5.2	18.9
4 11	13 11.21	−11 3.7	1.329	2.330	1.4	18.5
4 21	13 1.76	− 9 28.0	1.319	2.308	5.8	18.8
5 1	12 53.50	− 7 55.0	1.334	2.285	10.9	19.0
5 11	12 47.46	− 6 34.4	1.373	2.262	15.6	19.2

357103 2001 TP_{208} 4 9.4 138.°86 0.°0/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.51	−10 7.3	1.774	2.565	16.1	22.3
3 12	13 37.66	− 9 45.2	1.697	2.578	12.6	22.1
3 22	13 30.31	− 9 9.1	1.641	2.589	8.5	21.8
4 1	13 21.14	− 8 22.0	1.611	2.600	4.0	21.6
4 11	13 11.15	− 7 29.2	1.608	2.610	0.8	21.3
4 21	13 1.46	− 6 37.2	1.634	2.619	5.5	21.7
5 1	12 53.11	− 5 52.3	1.687	2.628	9.8	22.0
5 11	12 46.87	− 5 19.4	1.763	2.636	13.5	22.2

173310 1999 VU_{29} 4 9.4 189.°51 0.°8/10.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.95	−12 41.8	2.155	2.930	14.1	21.5
3 12	13 35.39	−12 20.6	2.060	2.929	11.2	21.3
3 22	13 28.69	−11 45.4	1.986	2.927	7.8	21.1
4 1	13 20.39	−10 58.1	1.939	2.925	3.9	20.8
4 11	13 11.29	−10 2.7	1.921	2.922	0.9	20.6
4 21	13 2.30	− 9 4.6	1.931	2.918	4.6	20.9
5 1	12 54.34	− 8 9.8	1.970	2.914	8.5	21.1
5 11	12 48.10	− 7 23.6	2.035	2.908	11.9	21.3

411797 2012 CY_{50} 4 9.4 70.°49 2.°2/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.77	− 6 16.1	1.512	2.333	17.0	21.4
3 12	13 34.21	− 5 20.0	1.451	2.351	13.1	21.2
3 22	13 28.06	− 4 10.6	1.410	2.368	8.6	21.0
4 1	13 20.08	− 2 54.1	1.394	2.385	4.0	20.8
4 11	13 11.36	− 1 39.1	1.405	2.403	2.9	20.7
4 21	13 3.08	− 0 33.9	1.442	2.420	7.1	21.0
5 1	12 56.26	+ 0 14.8	1.504	2.438	11.4	21.3
5 11	12 51.63	+ 0 43.6	1.588	2.455	15.1	21.6

240624 2004 XF_{125} 4 9.4 111.°38 2.°4/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.90	− 1 15.1	2.247	3.046	12.9	20.7
3 12	13 36.52	− 0 57.6	2.175	3.063	9.9	20.6
3 22	13 29.20	− 0 35.8	2.127	3.079	6.6	20.4
4 1	13 20.52	− 0 13.1	2.107	3.095	3.4	20.2
4 11	13 11.29	+ 0 6.1	2.116	3.111	2.8	20.2
4 21	13 2.35	+ 0 18.3	2.155	3.126	5.7	20.4
5 1	12 54.49	+ 0 20.7	2.221	3.141	8.9	20.6
5 11	12 48.30	+ 0 11.8	2.312	3.155	11.8	20.8

94060 2000 YE_{18} 4 9.4 135.°99 0.°9/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.37	−14 11.9	2.188	2.963	13.9	20.3
3 12	13 32.48	−13 37.6	2.102	2.972	11.1	20.1
3 22	13 26.64	−12 47.9	2.040	2.980	7.7	19.9
4 1	13 19.39	−11 45.4	2.003	2.988	3.9	19.6
4 11	13 11.50	−10 34.7	1.994	2.996	1.0	19.4
4 21	13 3.82	− 9 21.8	2.015	3.003	4.3	19.7
5 1	12 57.14	− 8 13.0	2.064	3.010	8.0	19.9
5 11	12 52.08	− 7 13.8	2.138	3.017	11.3	20.1

258256 2001 TP_{189} 4 9.4 95.°65 3.°5/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.77	−20 50.3	1.974	2.723	16.1	20.5
3 12	13 34.55	−20 38.6	1.899	2.744	13.2	20.4
3 22	13 28.10	−20 6.6	1.845	2.764	9.8	20.2
4 1	13 20.07	−19 15.2	1.815	2.785	6.2	20.0
4 11	13 11.38	−18 8.2	1.812	2.804	3.6	19.9
4 21	13 3.02	−16 51.5	1.837	2.824	4.8	20.0
5 1	12 55.90	−15 32.9	1.890	2.843	8.1	20.2
5 11	12 50.68	−14 19.7	1.968	2.861	11.4	20.5

503845 2017 MV_3 4 9.4 272.°67 5.°2/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.76	+ 3 5.8	1.714	2.533	15.4	21.7
3 12	13 38.40	+ 3 49.2	1.610	2.507	12.2	21.5
3 22	13 31.24	+ 4 37.9	1.528	2.480	8.7	21.2
4 1	13 21.79	+ 5 25.3	1.472	2.453	5.7	20.9
4 11	13 11.01	+ 6 3.5	1.442	2.425	5.9	20.9
4 21	13 0.09	+ 6 25.7	1.439	2.396	9.4	21.0
5 1	12 50.31	+ 6 27.0	1.460	2.367	13.6	21.2
5 11	12 42.70	+ 6 5.8	1.503	2.338	17.5	21.3

296374 2009 FA_{44} 4 9.4 96.°32 3.°2/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.87	− 1 12.5	2.311	3.125	12.1	20.9
3 12	13 30.34	− 0 3.7	2.239	3.136	9.2	20.7
3 22	13 25.09	+ 1 11.6	2.192	3.147	6.2	20.6
4 1	13 18.63	+ 2 27.9	2.172	3.158	3.6	20.4
4 11	13 11.66	+ 3 38.8	2.182	3.169	3.8	20.5
4 21	13 4.91	+ 4 39.0	2.219	3.179	6.4	20.6
5 1	12 59.06	+ 5 24.2	2.284	3.189	9.4	20.8
5 11	12 54.63	+ 5 52.4	2.372	3.200	12.1	21.0

349252 2007 TJ_{130} 4 9.4 140.°82 0.°9/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.47	− 6 43.0	2.534	3.325	11.8	21.8
3 12	13 32.23	− 6 13.8	2.450	3.334	9.1	21.7
3 22	13 26.31	− 5 36.3	2.391	3.342	6.1	21.5
4 1	13 19.20	− 4 53.6	2.359	3.349	2.7	21.3
4 11	13 11.55	− 4 9.9	2.357	3.357	1.3	21.2
4 21	13 4.08	− 3 29.2	2.384	3.364	4.5	21.4
5 1	12 57.45	− 2 55.6	2.439	3.370	7.7	21.6
5 11	12 52.21	− 2 32.1	2.520	3.377	10.5	21.8

426216 2012 KJ_{49} 4 9.4 215.°85 7.°7/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.82	+12 5.8	2.052	2.874	13.1	21.0
3 12	13 33.77	+13 30.9	1.981	2.870	10.7	20.8
3 22	13 27.59	+14 53.6	1.933	2.865	8.6	20.7
4 1	13 19.86	+16 5.7	1.912	2.860	7.7	20.6
4 11	13 11.42	+16 59.5	1.917	2.855	8.6	20.7
4 21	13 3.17	+17 29.9	1.947	2.849	10.8	20.8
5 1	12 55.99	+17 34.7	2.001	2.843	13.3	20.9
5 11	12 50.55	+17 14.9	2.075	2.837	15.7	21.1

406326 2007 PE_{49} 4 9.4 199.°41 1.°9/ 7.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.31	− 5 34.0	2.035	2.834	14.0	22.6
3 12	13 35.76	− 4 46.6	1.942	2.830	10.9	22.4
3 22	13 29.00	− 3 48.1	1.873	2.825	7.3	22.1
4 1	13 20.55	− 2 43.0	1.830	2.820	3.4	21.9
4 11	13 11.28	− 1 37.5	1.816	2.814	2.5	21.8
4 21	13 2.13	− 0 37.9	1.831	2.807	6.1	22.0
5 1	12 54.04	+ 0 10.0	1.874	2.799	10.0	22.2
5 11	12 47.74	+ 0 42.2	1.940	2.790	13.5	22.4

507764 2013 YD_{93} 4 9.4 249.°05 5.°5/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.53	+ 7 20.4	2.275	3.092	12.1	21.2
3 12	13 33.37	+ 8 16.8	2.188	3.081	9.6	21.0
3 22	13 27.26	+ 9 13.8	2.125	3.069	7.2	20.8
4 1	13 19.71	+10 5.5	2.089	3.058	5.6	20.7
4 11	13 11.45	+10 45.7	2.081	3.045	6.2	20.7
4 21	13 3.30	+11 9.9	2.100	3.033	8.5	20.8
5 1	12 56.06	+11 15.1	2.145	3.020	11.2	21.0
5 11	12 50.37	+11 0.9	2.211	3.008	13.8	21.1

95991 2004 ND_7 4 9.4 208.°49 3.°4/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.58	+ 0 43.6	2.518	3.324	11.5	20.5
3 12	13 33.19	+ 1 37.9	2.426	3.317	8.9	20.3
3 22	13 27.03	+ 2 37.2	2.358	3.310	6.1	20.1
4 1	13 19.58	+ 3 36.8	2.319	3.301	3.7	20.0
4 11	13 11.49	+ 4 31.4	2.308	3.293	3.9	20.0
4 21	13 3.50	+ 5 16.1	2.327	3.283	6.4	20.1
5 1	12 56.32	+ 5 47.3	2.374	3.273	9.4	20.3
5 11	12 50.54	+ 6 2.8	2.444	3.262	12.0	20.4

133906 2004 RA_{106} 4 9.4 200.°85 1.°3/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.37	−13 23.3	1.880	2.659	15.8	21.5
3 12	13 36.90	−13 11.2	1.784	2.655	12.6	21.2
3 22	13 29.95	−12 43.1	1.710	2.651	8.8	21.0
4 1	13 21.07	−12 0.6	1.661	2.646	4.6	20.7
4 11	13 11.20	−11 7.7	1.639	2.640	1.3	20.5
4 21	13 1.43	−10 10.2	1.646	2.634	5.1	20.7
5 1	12 52.82	− 9 15.1	1.680	2.627	9.4	20.9
5 11	12 46.23	− 8 28.6	1.739	2.619	13.3	21.2

1559 Kustaanheimo 4 9.4 10.°06 2.°4/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.59	−13 38.8	1.256	2.072	20.1	15.1
3 12	13 34.19	−13 55.3	1.182	2.073	16.2	14.8
3 22	13 28.62	−13 52.3	1.126	2.075	11.5	14.5
4 1	13 20.57	−13 30.4	1.092	2.078	6.2	14.3
4 11	13 11.29	−12 53.8	1.082	2.082	2.4	14.0
4 21	13 2.26	−12 9.4	1.095	2.087	6.3	14.3
5 1	12 54.88	−11 26.2	1.132	2.092	11.4	14.6
5 11	12 50.18	−10 52.0	1.190	2.099	16.0	14.9

209600 2004 YN_3 4 9.4 160.°40 2.°9/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.54	− 3 5.4	1.969	2.775	14.2	21.6
3 12	13 35.87	− 2 6.2	1.890	2.782	10.9	21.4
3 22	13 28.99	− 0 57.8	1.835	2.789	7.3	21.2
4 1	13 20.52	+ 0 14.2	1.808	2.796	3.8	21.0
4 11	13 11.33	+ 1 22.6	1.808	2.801	3.5	21.0
4 21	13 2.39	+ 2 21.1	1.838	2.805	6.8	21.2
5 1	12 54.60	+ 3 4.4	1.894	2.809	10.5	21.4
5 11	12 48.66	+ 3 29.7	1.973	2.812	13.7	21.6

497853 2006 UW_{97} 4 9.4 147.°84 1.°0/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.56	−15 9.1	2.655	3.420	12.0	21.9
3 12	13 29.98	−14 27.2	2.563	3.426	9.5	21.7
3 22	13 24.82	−13 31.3	2.494	3.431	6.6	21.6
4 1	13 18.52	−12 23.9	2.452	3.436	3.5	21.4
4 11	13 11.71	−11 8.9	2.439	3.440	1.0	21.2
4 21	13 5.05	− 9 51.6	2.457	3.445	3.7	21.4
5 1	12 59.18	− 8 37.3	2.504	3.449	6.8	21.6
5 11	12 54.61	− 7 30.9	2.577	3.453	9.7	21.8

221259 2005 UM_{299} 4 9.4 52.°32 0.°3/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.39	−11 24.2	1.660	2.463	16.5	20.4
3 12	13 33.09	−10 59.6	1.586	2.473	13.0	20.2
3 22	13 27.34	−10 18.9	1.533	2.483	8.8	20.0
4 1	13 19.80	− 9 25.4	1.504	2.493	4.2	19.7
4 11	13 11.47	− 8 25.0	1.501	2.503	0.7	19.5
4 21	13 3.41	− 7 24.6	1.526	2.514	5.4	19.9
5 1	12 56.66	− 6 31.4	1.576	2.524	9.8	20.1
5 11	12 51.95	− 5 51.0	1.649	2.535	13.6	20.4

427396 1996 TA 4 9.4 137.°68 1.°5/10.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.53	−13 20.2	2.401	3.161	13.3	21.9
3 12	13 37.06	−13 27.0	2.316	3.175	10.6	21.7
3 22	13 29.63	−13 22.4	2.254	3.188	7.4	21.5
4 1	13 20.78	−13 7.3	2.219	3.201	4.0	21.3
4 11	13 11.30	−12 44.3	2.213	3.213	1.5	21.2
4 21	13 2.01	−12 16.8	2.238	3.224	4.1	21.4
5 1	12 53.72	−11 49.1	2.291	3.235	7.4	21.6
5 11	12 47.07	−11 25.4	2.371	3.245	10.4	21.8

43665 2002 FM_{22} 4 9.4 18.°55 7.°8/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.23	+10 5.6	1.728	2.561	14.7	18.5
3 12	13 33.61	+11 21.0	1.664	2.562	11.8	18.3
3 22	13 27.63	+12 34.4	1.623	2.564	9.2	18.1
4 1	13 19.92	+13 36.9	1.606	2.566	7.8	18.0
4 11	13 11.46	+14 20.5	1.615	2.569	8.7	18.1
4 21	13 3.30	+14 39.8	1.649	2.571	11.1	18.2
5 1	12 56.41	+14 32.7	1.705	2.574	14.0	18.4
5 11	12 51.50	+14 0.7	1.781	2.577	16.7	18.6

254586 2005 GF_{47} 4 9.4 258.°17 0.°8/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.18	−11 8.0	1.775	2.567	16.0	21.1
3 12	13 36.24	−11 5.4	1.673	2.553	12.8	20.8
3 22	13 29.68	−10 48.7	1.593	2.539	8.9	20.5
4 1	13 21.04	−10 19.5	1.537	2.525	4.4	20.2
4 11	13 11.22	− 9 41.5	1.508	2.510	0.9	19.9
4 21	13 1.38	− 9 0.0	1.507	2.494	5.5	20.2
5 1	12 52.68	− 8 21.7	1.532	2.479	10.1	20.4
5 11	12 46.04	− 7 52.3	1.580	2.463	14.3	20.7

94588 2001 VX_{57} 4 9.4 134.°76 2.°5/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.35	−16 42.8	1.625	2.404	17.8	20.0
3 12	13 36.38	−16 34.4	1.545	2.412	14.4	19.8
3 22	13 29.70	−16 5.4	1.483	2.419	10.3	19.5
4 1	13 20.97	−15 17.0	1.446	2.427	5.9	19.3
4 11	13 11.26	−14 13.6	1.434	2.433	2.5	19.1
4 21	13 1.82	−13 2.2	1.450	2.439	5.4	19.3
5 1	12 53.80	−11 51.5	1.492	2.445	9.8	19.6
5 11	12 48.05	−10 49.6	1.558	2.451	13.9	19.8

249645 1999 TV_{212} 4 9.4 182.°80 0.°9/10.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.47	−13 42.4	2.178	2.949	14.1	21.6
3 12	13 34.99	−13 14.1	2.084	2.951	11.2	21.4
3 22	13 28.42	−12 30.5	2.011	2.951	7.8	21.2
4 1	13 20.29	−11 33.9	1.965	2.951	4.0	21.0
4 11	13 11.40	−10 28.5	1.948	2.949	1.0	20.7
4 21	13 2.64	− 9 20.2	1.960	2.947	4.5	21.0
5 1	12 54.91	− 8 15.2	2.001	2.945	8.3	21.2
5 11	12 48.87	− 7 19.3	2.067	2.941	11.8	21.4

503093 2015 FV_{298} 4 9.4 35.°87 5.°1/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.54	+ 2 33.6	1.802	2.635	14.1	20.5
3 12	13 30.56	+ 3 49.9	1.741	2.647	10.9	20.3
3 22	13 25.46	+ 5 10.6	1.703	2.658	7.6	20.1
4 1	13 18.88	+ 6 28.1	1.691	2.671	5.3	20.0
4 11	13 11.68	+ 7 34.3	1.706	2.684	5.9	20.1
4 21	13 4.78	+ 8 23.0	1.747	2.697	8.7	20.3
5 1	12 59.03	+ 8 50.6	1.812	2.710	11.8	20.5
5 11	12 55.05	+ 8 56.0	1.899	2.724	14.7	20.7

508783 1999 XE_{49} 4 9.4 156.°22 3.°0/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.89	+ 1 14.3	2.718	3.518	10.9	22.2
3 12	13 33.94	+ 1 54.3	2.639	3.527	8.4	22.0
3 22	13 27.38	+ 2 37.4	2.585	3.535	5.7	21.9
4 1	13 19.69	+ 3 19.7	2.560	3.543	3.4	21.7
4 11	13 11.53	+ 3 56.7	2.565	3.550	3.5	21.7
4 21	13 3.54	+ 4 24.9	2.599	3.557	5.8	21.9
5 1	12 56.39	+ 4 41.5	2.662	3.562	8.4	22.1
5 11	12 50.57	+ 4 45.2	2.749	3.567	10.8	22.2

231855 2000 SF_{138} 4 9.4 179.°58 1.°5/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.27	−15 10.1	2.511	3.270	12.8	21.9
3 12	13 33.78	−14 54.1	2.414	3.271	10.2	21.7
3 22	13 27.47	−14 24.8	2.339	3.272	7.2	21.5
4 1	13 19.81	−13 43.4	2.292	3.273	4.0	21.3
4 11	13 11.50	−12 53.1	2.273	3.273	1.5	21.2
4 21	13 3.30	−11 58.1	2.284	3.272	3.9	21.3
5 1	12 55.97	−11 3.7	2.324	3.270	7.2	21.5
5 11	12 50.12	−10 14.8	2.391	3.268	10.3	21.7

518397 2017 UX_{20} 4 9.4 199.°21 2.°5/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.56	− 3 42.3	2.118	2.929	13.1	21.6
3 12	13 31.94	− 2 49.5	2.033	2.928	10.2	21.4
3 22	13 26.35	− 1 47.7	1.971	2.926	6.8	21.2
4 1	13 19.31	− 0 41.8	1.936	2.925	3.4	21.0
4 11	13 11.59	+ 0 22.2	1.929	2.923	3.0	21.0
4 21	13 4.02	+ 1 18.3	1.950	2.921	6.2	21.2
5 1	12 57.41	+ 2 1.4	1.998	2.919	9.7	21.4
5 11	12 52.41	+ 2 28.4	2.070	2.917	12.9	21.6

101577 1999 BV_2 4 9.4 278.°56 4.°4/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.25	−17 53.5	1.837	2.597	16.7	18.6
3 12	13 37.99	−18 39.5	1.730	2.582	13.9	18.3
3 22	13 30.99	−19 11.0	1.644	2.567	10.5	18.1
4 1	13 21.72	−19 26.0	1.582	2.552	6.9	17.8
4 11	13 11.10	−19 24.3	1.546	2.536	4.4	17.7
4 21	13 0.33	−19 8.3	1.537	2.521	6.0	17.7
5 1	12 50.67	−18 43.1	1.555	2.505	9.7	17.9
5 11	12 43.14	−18 15.5	1.596	2.489	13.6	18.1

370055 2000 TE_{63} 4 9.4 177.°77 3.°6/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.21	−23 4.2	2.654	3.371	13.1	21.7
3 12	13 33.72	−22 55.6	2.553	3.374	10.9	21.6
3 22	13 27.43	−22 30.0	2.473	3.375	8.4	21.4
4 1	13 19.79	−21 47.4	2.418	3.376	5.7	21.2
4 11	13 11.51	−20 49.9	2.392	3.377	3.7	21.1
4 21	13 3.35	−19 41.5	2.395	3.376	4.4	21.1
5 1	12 56.06	−18 27.6	2.428	3.375	6.9	21.3
5 11	12 50.23	−17 14.4	2.487	3.373	9.6	21.4

76069 2000 DS_{77} 4 9.4 149.°31 0.°0/ 9.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.92	− 9 49.4	2.259	3.047	13.2	19.9
3 12	13 32.88	− 9 30.8	2.172	3.051	10.3	19.7
3 22	13 26.93	− 9 1.1	2.107	3.054	7.0	19.5
4 1	13 19.58	− 8 23.0	2.068	3.057	3.3	19.2
4 11	13 11.56	− 7 40.3	2.059	3.060	0.6	19.0
4 21	13 3.70	− 6 57.8	2.078	3.063	4.5	19.3
5 1	12 56.78	− 6 20.2	2.124	3.066	8.1	19.5
5 11	12 51.42	− 5 51.4	2.196	3.068	11.3	19.7

10439 van Schooten 4 9.4 70.°62 0.°3/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.39	−10 48.2	2.092	2.882	14.0	18.6
3 12	13 32.57	−10 31.4	2.014	2.894	11.0	18.4
3 22	13 26.75	−10 2.4	1.958	2.905	7.5	18.2
4 1	13 19.48	− 9 23.7	1.928	2.916	3.6	18.0
4 11	13 11.59	− 8 39.7	1.925	2.927	0.6	17.8
4 21	13 3.91	− 7 55.3	1.952	2.939	4.5	18.1
5 1	12 57.28	− 7 15.6	2.005	2.950	8.3	18.3
5 11	12 52.30	− 6 44.9	2.083	2.961	11.5	18.6

96930 1999 TD_{129} 4 9.4 250.°36 0.°8/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.25	−11 51.9	1.973	2.762	14.8	20.2
3 12	13 33.53	−11 41.4	1.881	2.759	11.7	20.0
3 22	13 27.58	−11 17.1	1.811	2.756	8.1	19.8
4 1	13 19.96	−10 41.1	1.766	2.753	4.0	19.5
4 11	13 11.49	− 9 57.3	1.749	2.750	0.9	19.3
4 21	13 3.13	− 9 10.9	1.759	2.747	4.8	19.5
5 1	12 55.82	− 8 27.7	1.796	2.744	8.9	19.8
5 11	12 50.31	− 7 53.1	1.858	2.741	12.5	20.0

306229 2011 QG_{61} 4 9.4 133.°18 2.°0/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.16	− 4 46.6	2.728	3.528	10.8	21.2
3 12	13 29.55	− 3 37.9	2.647	3.537	8.3	21.0
3 22	13 24.48	− 2 21.1	2.592	3.546	5.5	20.9
4 1	13 18.36	− 1 0.6	2.566	3.555	2.7	20.7
4 11	13 11.81	+ 0 18.1	2.569	3.563	2.5	20.7
4 21	13 5.41	+ 1 30.1	2.603	3.571	5.1	20.9
5 1	12 59.76	+ 2 31.0	2.665	3.579	7.9	21.1
5 11	12 55.33	+ 3 17.8	2.752	3.587	10.4	21.2

191723 2004 RE_{237} 4 9.4 152.°56 1.°1/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.14	−13 13.5	1.956	2.740	15.0	21.1
3 12	13 33.43	−12 58.4	1.868	2.742	12.0	20.9
3 22	13 27.50	−12 28.2	1.801	2.744	8.3	20.6
4 1	13 19.90	−11 44.8	1.759	2.745	4.3	20.4
4 11	13 11.51	−10 52.4	1.745	2.746	1.1	20.2
4 21	13 3.27	− 9 56.6	1.759	2.748	4.7	20.4
5 1	12 56.12	− 9 3.9	1.800	2.749	8.8	20.7
5 11	12 50.79	− 8 19.9	1.865	2.750	12.4	20.9

246812 2009 HD_{60} 4 9.4 292.°76 0.°5/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 32.80	− 9 44.3	2.302	3.097	12.7	20.6
3 12	13 29.71	− 8 59.6	2.207	3.092	9.9	20.4
3 22	13 24.83	− 8 2.2	2.136	3.087	6.7	20.2
4 1	13 18.62	− 6 55.6	2.091	3.081	3.0	20.0
4 11	13 11.76	− 5 44.9	2.075	3.076	1.0	19.8
4 21	13 5.01	− 4 35.7	2.087	3.071	4.7	20.0
5 1	12 59.10	− 3 33.9	2.127	3.065	8.3	20.2
5 11	12 54.62	− 2 44.0	2.192	3.060	11.4	20.4

158980 2004 RG_{306} 4 9.4 172.°22 2.°2/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.98	− 6 2.2	2.155	2.960	13.1	20.3
3 12	13 31.45	− 4 48.0	2.070	2.962	10.1	20.1
3 22	13 25.99	− 3 21.9	2.009	2.964	6.7	19.9
4 1	13 19.15	− 1 49.3	1.975	2.965	3.2	19.7
4 11	13 11.67	− 0 17.2	1.971	2.966	2.8	19.6
4 21	13 4.35	+ 1 7.2	1.996	2.967	6.1	19.8
5 1	12 57.99	+ 2 17.9	2.048	2.967	9.6	20.0
5 11	12 53.19	+ 3 10.8	2.123	2.967	12.7	20.2

126116 2001 YT_{113} 4 9.4 297.°48 7.°1/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.62	−26 37.3	1.803	2.534	18.0	19.7
3 12	13 33.77	−27 14.5	1.697	2.517	15.6	19.5
3 22	13 28.22	−27 29.3	1.608	2.501	12.7	19.3
4 1	13 20.45	−27 17.9	1.541	2.485	9.6	19.0
4 11	13 11.39	−26 39.6	1.497	2.469	7.4	18.9
4 21	13 2.24	−25 37.5	1.479	2.453	7.5	18.8
5 1	12 54.23	−24 18.6	1.487	2.437	10.1	18.9
5 11	12 48.40	−22 53.1	1.517	2.421	13.5	19.1

7609 1995 WX_3 4 9.4 23.°89 0.°3/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.84	− 6 22.6	1.734	2.538	15.9	16.7
3 12	13 37.32	− 6 38.4	1.653	2.541	12.5	16.5
3 22	13 30.24	− 6 45.8	1.593	2.545	8.4	16.2
4 1	13 21.23	− 6 47.0	1.559	2.549	3.9	16.0
4 11	13 11.29	− 6 45.3	1.552	2.553	0.9	15.7
4 21	13 1.55	− 6 44.4	1.572	2.558	5.6	16.1
5 1	12 53.12	− 6 48.3	1.619	2.563	9.9	16.3
5 11	12 46.80	− 7 0.2	1.689	2.568	13.7	16.6

250450 2003 YZ_{126} 4 9.4 150.°69 1.°4/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.90	−13 9.8	1.963	2.738	15.3	21.1
3 12	13 37.10	−13 8.5	1.878	2.746	12.2	20.9
3 22	13 29.95	−12 53.2	1.814	2.753	8.5	20.7
4 1	13 21.05	−12 25.1	1.775	2.760	4.5	20.4
4 11	13 11.33	−11 47.8	1.765	2.766	1.4	20.2
4 21	13 1.81	−11 6.1	1.783	2.771	4.8	20.5
5 1	12 53.47	−10 25.8	1.829	2.776	8.8	20.7
5 11	12 47.07	− 9 52.3	1.900	2.781	12.3	21.0

461946 2006 SF_{393} 4 9.4 252.°00 0.°3/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.35	−10 18.6	1.897	2.687	15.2	21.9
3 12	13 36.22	−10 9.6	1.792	2.671	12.1	21.6
3 22	13 29.60	− 9 47.6	1.708	2.655	8.4	21.4
4 1	13 21.01	− 9 14.1	1.650	2.638	4.0	21.1
4 11	13 11.32	− 8 33.3	1.619	2.621	0.7	20.8
4 21	13 1.58	− 7 50.5	1.617	2.603	5.3	21.1
5 1	12 52.88	− 7 11.6	1.641	2.585	9.8	21.3
5 11	12 46.13	− 6 42.3	1.689	2.567	13.8	21.5

451526 2011 WH_6 4 9.4 89.°34 0.°5/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.85	−11 19.1	1.522	2.323	17.8	21.8
3 12	13 36.76	−11 2.9	1.453	2.338	14.1	21.6
3 22	13 29.92	−10 30.2	1.403	2.353	9.6	21.3
4 1	13 21.07	− 9 43.9	1.378	2.367	4.6	21.1
4 11	13 11.34	− 8 49.9	1.379	2.381	0.8	20.8
4 21	13 1.99	− 7 55.4	1.407	2.395	5.7	21.2
5 1	12 54.17	− 7 7.9	1.460	2.409	10.4	21.5
5 11	12 48.68	− 6 33.2	1.537	2.422	14.5	21.8

278860 2008 TN_{29} 4 9.4 193.°21 2.°0/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.61	− 3 37.6	2.543	3.340	11.6	21.9
3 12	13 33.19	− 2 58.2	2.451	3.338	9.0	21.7
3 22	13 27.04	− 2 11.8	2.383	3.335	6.0	21.5
4 1	13 19.63	− 1 22.0	2.343	3.332	3.0	21.3
4 11	13 11.61	− 0 33.4	2.333	3.328	2.4	21.2
4 21	13 3.70	+ 0 9.4	2.352	3.324	5.3	21.4
5 1	12 56.60	+ 0 42.6	2.399	3.319	8.4	21.6
5 11	12 50.90	+ 1 3.5	2.472	3.313	11.2	21.8

247389 2001 YX_{124} 4 9.4 151.°23 3.°7/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 43.17	−19 45.3	1.946	2.692	16.4	21.2
3 12	13 38.20	−19 52.1	1.859	2.703	13.5	21.0
3 22	13 30.75	−19 40.0	1.793	2.712	10.0	20.8
4 1	13 21.45	−19 8.8	1.751	2.721	6.3	20.6
4 11	13 11.26	−18 20.9	1.737	2.729	3.7	20.4
4 21	13 1.30	−17 21.4	1.751	2.736	5.2	20.5
5 1	12 52.60	−16 17.4	1.793	2.742	8.7	20.8
5 11	12 45.96	−15 16.5	1.859	2.748	12.2	21.0

411458 2010 XV_9 4 9.4 99.°66 3.°6/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.80	− 0 42.1	1.833	2.649	14.7	21.8
3 12	13 35.33	+ 0 11.7	1.770	2.667	11.3	21.6
3 22	13 28.63	+ 1 11.7	1.730	2.685	7.6	21.4
4 1	13 20.37	+ 2 12.0	1.716	2.702	4.3	21.2
4 11	13 11.49	+ 3 5.5	1.729	2.719	4.2	21.2
4 21	13 2.98	+ 3 46.4	1.771	2.735	7.4	21.5
5 1	12 55.74	+ 4 10.7	1.838	2.751	10.9	21.7
5 11	12 50.41	+ 4 16.9	1.928	2.767	14.0	21.9

293244 2007 BD_{78} 4 9.4 194.°83 0.°7/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.31	− 8 41.6	1.931	2.731	14.6	21.3
3 12	13 33.57	− 8 9.7	1.843	2.730	11.5	21.1
3 22	13 27.61	− 7 25.1	1.778	2.729	7.7	20.9
4 1	13 19.98	− 6 31.1	1.738	2.728	3.5	20.6
4 11	13 11.55	− 5 33.2	1.725	2.727	1.2	20.4
4 21	13 3.27	− 4 37.6	1.741	2.725	5.4	20.7
5 1	12 56.08	− 3 50.3	1.784	2.723	9.5	21.0
5 11	12 50.69	− 3 16.0	1.850	2.721	13.1	21.2

100397 1995 YK_5 4 9.4 207.°49 3.°7/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.57	+ 3 10.0	2.560	3.370	11.2	20.3
3 12	13 32.36	+ 3 49.8	2.475	3.367	8.7	20.1
3 22	13 26.46	+ 4 32.0	2.414	3.364	6.0	19.9
4 1	13 19.36	+ 5 12.1	2.381	3.361	4.0	19.8
4 11	13 11.68	+ 5 45.5	2.377	3.357	4.2	19.8
4 21	13 4.13	+ 6 8.3	2.401	3.354	6.5	19.9
5 1	12 57.40	+ 6 17.8	2.453	3.350	9.2	20.1
5 11	12 52.02	+ 6 12.9	2.528	3.346	11.7	20.2

460913 2014 WM_{214} 4 9.4 237.°59 4.°8/ 5.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.11	+ 1 47.1	1.807	2.626	14.7	21.6
3 12	13 35.98	+ 2 46.3	1.717	2.615	11.5	21.4
3 22	13 29.38	+ 3 52.2	1.649	2.603	8.0	21.1
4 1	13 20.87	+ 4 57.8	1.608	2.590	5.2	20.9
4 11	13 11.38	+ 5 55.4	1.594	2.577	5.5	20.9
4 21	13 1.97	+ 6 37.9	1.607	2.563	8.7	21.1
5 1	12 53.71	+ 7 0.5	1.645	2.549	12.5	21.3
5 11	12 47.43	+ 7 1.3	1.705	2.534	15.9	21.4

333086 2011 UU_{161} 4 9.4 104.°41 0.°0/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 43.24	− 9 48.5	1.695	2.488	16.6	22.1
3 12	13 38.27	− 9 33.9	1.626	2.508	13.0	21.9
3 22	13 30.75	− 9 5.8	1.579	2.527	8.8	21.7
4 1	13 21.40	− 8 27.1	1.557	2.546	4.1	21.5
4 11	13 11.31	− 7 43.2	1.563	2.565	0.7	21.2
4 21	13 1.61	− 7 0.1	1.596	2.582	5.5	21.6
5 1	12 53.36	− 6 23.8	1.657	2.600	9.8	21.9
5 11	12 47.31	− 5 58.8	1.740	2.616	13.5	22.2

324405 2006 ST_{160} 4 9.4 186.°35 2.°4/ 7.9 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 45.60	− 1 29.4	1.780	2.585	15.5	20.8
3 12	13 40.20	− 1 29.9	1.695	2.585	12.1	20.5
3 22	13 32.18	− 1 25.5	1.632	2.585	8.2	20.3
4 1	13 22.15	− 1 19.9	1.595	2.584	4.0	20.0
4 11	13 11.15	− 1 17.4	1.586	2.583	2.8	20.0
4 21	13 0.34	− 1 22.0	1.606	2.583	6.6	20.2
5 1	12 50.86	− 1 36.6	1.652	2.582	10.8	20.4
5 11	12 43.54	− 2 3.0	1.722	2.580	14.5	20.7

246489 2007 XA_{31} 4 9.4 16.°43 3.°3/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 34.35	− 0 21.1	2.128	2.948	12.8	20.3
3 12	13 30.97	+ 0 27.4	2.050	2.949	9.9	20.1
3 22	13 25.69	+ 1 21.8	1.995	2.951	6.7	20.0
4 1	13 19.03	+ 2 16.7	1.967	2.953	3.9	19.8
4 11	13 11.75	+ 3 6.4	1.966	2.955	3.9	19.8
4 21	13 4.64	+ 3 45.7	1.993	2.957	6.7	20.0
5 1	12 58.48	+ 4 10.7	2.046	2.960	9.9	20.2
5 11	12 53.88	+ 4 19.3	2.122	2.962	12.8	20.3

373389 2013 NU_6 4 9.4 313.°78 16.°6/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 47.44	−34 24.3	1.462	2.151	23.2	19.8
3 12	13 44.39	−37 21.8	1.356	2.123	21.5	19.5
3 22	13 37.07	−40 5.8	1.266	2.096	19.5	19.3
4 1	13 25.43	−42 24.0	1.195	2.069	17.7	19.1
4 11	13 10.36	−44 3.4	1.144	2.043	16.7	18.9
4 21	12 53.74	−44 54.9	1.113	2.017	16.9	18.9
5 1	12 38.20	−44 57.8	1.102	1.992	18.4	18.9
5 11	12 26.18	−44 22.2	1.109	1.968	20.7	18.9

37482 2114 $T\text{-}_1$ 4 9.4 24.°28 3.°2/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.96	− 5 46.2	1.578	2.408	16.0	18.2
3 12	13 29.75	− 4 13.0	1.506	2.413	12.3	17.9
3 22	13 25.17	− 2 24.1	1.457	2.418	8.1	17.7
4 1	13 18.86	− 0 27.6	1.434	2.424	4.1	17.5
4 11	13 11.78	+ 1 25.8	1.437	2.431	4.1	17.5
4 21	13 4.97	+ 3 5.8	1.467	2.437	7.9	17.7
5 1	12 59.40	+ 4 24.4	1.522	2.445	12.0	18.0
5 11	12 55.78	+ 5 17.3	1.598	2.453	15.6	18.2

326407 2001 SO_{171} 4 9.4 142.°25 0.°1/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 41.14	− 8 44.5	1.988	2.778	14.6	21.0
3 12	13 36.42	− 8 37.0	1.904	2.785	11.5	20.8
3 22	13 29.45	− 8 18.7	1.843	2.791	7.8	20.6
4 1	13 20.82	− 7 52.0	1.808	2.797	3.6	20.4
4 11	13 11.41	− 7 21.1	1.802	2.803	0.7	20.1
4 21	13 2.21	− 6 50.5	1.823	2.809	5.0	20.5
5 1	12 54.15	− 6 25.1	1.873	2.814	9.0	20.7
5 11	12 47.95	− 6 8.9	1.946	2.819	12.5	20.9

435330 2007 VK_{31} 4 9.4 80.°74 0.°0/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 39.70	− 8 39.9	2.204	2.991	13.5	21.8
3 12	13 34.99	− 8 39.8	2.129	3.007	10.5	21.6
3 22	13 28.30	− 8 30.4	2.076	3.023	7.1	21.4
4 1	13 20.22	− 8 14.0	2.050	3.039	3.3	21.2
4 11	13 11.54	− 7 53.8	2.053	3.055	0.6	21.0
4 21	13 3.11	− 7 33.6	2.085	3.070	4.4	21.3
5 1	12 55.72	− 7 17.2	2.144	3.086	8.0	21.6
5 11	12 49.99	− 7 7.9	2.229	3.101	11.1	21.8

167080 2003 RX_{21} 4 9.4 128.°61 0.°8/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 39.61	− 9 34.9	1.895	2.689	15.1	20.9
3 12	13 35.23	− 8 45.4	1.820	2.704	11.8	20.7
3 22	13 28.61	− 7 41.7	1.767	2.718	7.8	20.5
4 1	13 20.40	− 6 28.3	1.741	2.731	3.5	20.2
4 11	13 11.51	− 5 11.5	1.744	2.745	1.3	20.1
4 21	13 2.92	− 3 58.6	1.775	2.757	5.5	20.4
5 1	12 55.56	− 2 56.3	1.833	2.769	9.5	20.7
5 11	12 50.08	− 2 9.1	1.915	2.780	13.0	20.9

17404 1986 TZ_3 4 9.4 292.°06 2.°1/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.92	− 5 14.8	1.460	2.283	17.4	18.0
3 12	13 35.92	− 4 50.4	1.358	2.259	13.7	17.7
3 22	13 29.90	− 4 12.9	1.276	2.234	9.3	17.4
4 1	13 21.34	− 3 26.2	1.218	2.209	4.4	17.0
4 11	13 11.28	− 2 37.3	1.185	2.184	2.7	16.9
4 21	13 1.04	− 1 53.9	1.177	2.159	7.7	17.1
5 1	12 52.04	− 1 23.8	1.194	2.134	13.0	17.3
5 11	12 45.46	− 1 12.4	1.231	2.109	17.8	17.5

15995 1998 YQ_9 4 9.4 345.°81 1.°6/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 34.46	−13 23.9	1.204	2.028	20.3	17.4
3 12	13 32.75	−13 19.0	1.125	2.022	16.3	17.2
3 22	13 27.83	−12 51.8	1.064	2.016	11.5	16.9
4 1	13 20.34	−12 3.7	1.024	2.012	6.0	16.5
4 11	13 11.50	−11 0.7	1.007	2.008	1.6	16.2
4 21	13 2.80	− 9 52.0	1.013	2.005	6.5	16.5
5 1	12 55.73	− 8 48.2	1.043	2.003	12.1	16.8
5 11	12 51.37	− 7 58.5	1.092	2.002	17.1	17.1

415899 2001 TS_{198} 4 9.4 122.°37 2.°7/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.96	− 1 33.4	2.306	3.105	12.6	22.0
3 12	13 35.75	− 0 50.8	2.238	3.126	9.7	21.9
3 22	13 28.69	− 0 2.8	2.195	3.146	6.4	21.7
4 1	13 20.36	+ 0 46.2	2.179	3.166	3.4	21.5
4 11	13 11.53	+ 1 30.8	2.193	3.185	3.1	21.5
4 21	13 3.01	+ 2 6.9	2.236	3.202	5.9	21.7
5 1	12 55.53	+ 2 30.8	2.307	3.220	9.0	22.0
5 11	12 49.65	+ 2 40.9	2.403	3.236	11.7	22.2

462185 2007 TB_{444} 4 9.4 175.°27 0.°1/ 9.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 42.76	− 8 45.7	1.799	2.592	15.8	22.0
3 12	13 38.01	− 8 38.5	1.712	2.594	12.5	21.8
3 22	13 30.71	− 8 19.4	1.647	2.596	8.5	21.5
4 1	13 21.48	− 7 50.9	1.608	2.597	4.0	21.3
4 11	13 11.30	− 7 17.3	1.596	2.598	0.8	21.0
4 21	13 1.30	− 6 44.0	1.612	2.598	5.5	21.4
5 1	12 52.55	− 6 16.5	1.655	2.597	9.9	21.6
5 11	12 45.89	− 5 59.3	1.722	2.596	13.7	21.8

101497 1998 XB_6 4 9.4 138.°44 1.°6/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.43	− 5 30.2	2.164	2.967	13.1	20.9
3 12	13 32.57	− 4 56.1	2.080	2.970	10.2	20.7
3 22	13 26.77	− 4 13.0	2.020	2.973	6.8	20.5
4 1	13 19.55	− 3 24.7	1.986	2.976	3.1	20.3
4 11	13 11.68	− 2 36.3	1.980	2.979	2.0	20.2
4 21	13 3.97	− 1 52.9	2.003	2.982	5.4	20.4
5 1	12 57.24	− 1 19.0	2.054	2.984	9.0	20.6
5 11	12 52.09	− 0 58.0	2.128	2.987	12.1	20.8

40361 1999 NG_{21} 4 9.4 194.°44 5.°8/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 40.79	−26 55.5	2.419	3.115	14.8	20.1
3 12	13 36.16	−27 29.3	2.316	3.113	12.7	19.9
3 22	13 29.34	−27 45.3	2.232	3.111	10.2	19.8
4 1	13 20.83	−27 41.2	2.173	3.108	7.8	19.6
4 11	13 11.42	−27 17.1	2.140	3.104	6.1	19.5
4 21	13 2.04	−26 35.3	2.134	3.100	6.2	19.5
5 1	12 53.61	−25 40.7	2.157	3.096	8.1	19.6
5 11	12 46.90	−24 40.2	2.205	3.091	10.6	19.7

513069 2017 WW_{19} 4 9.4 189.°07 8.°3/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 37.74	+26 11.6	3.163	3.939	10.0	21.9
3 12	13 33.02	+27 31.7	3.109	3.938	9.0	21.8
3 22	13 26.78	+28 42.0	3.080	3.936	8.4	21.8
4 1	13 19.47	+29 36.7	3.076	3.934	8.4	21.8
4 11	13 11.70	+30 11.5	3.097	3.931	9.1	21.8
4 21	13 4.11	+30 24.3	3.143	3.928	10.2	21.9
5 1	12 57.29	+30 14.8	3.209	3.924	11.5	22.0
5 11	12 51.74	+29 44.8	3.295	3.919	12.7	22.1

402008 2003 QZ_{69} 4 9.4 128.°28 2.°1/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 41.01	−16 12.8	1.892	2.660	16.1	22.1
3 12	13 36.45	−16 0.4	1.813	2.674	12.9	21.9
3 22	13 29.52	−15 30.3	1.754	2.688	9.2	21.7
4 1	13 20.87	−14 44.0	1.720	2.701	5.1	21.5
4 11	13 11.44	−13 45.5	1.714	2.713	2.1	21.3
4 21	13 2.30	−12 41.1	1.737	2.725	4.8	21.5
5 1	12 54.42	−11 37.7	1.787	2.736	8.7	21.7
5 11	12 48.53	−10 42.0	1.861	2.747	12.3	22.0

384096 2008 WL_{30} 4 9.4 191.°25 2.°8/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 37.42	−19 58.5	2.730	3.463	12.5	22.2
3 12	13 33.09	−19 52.0	2.626	3.461	10.2	22.0
3 22	13 27.02	−19 30.9	2.544	3.459	7.6	21.9
4 1	13 19.66	−18 55.4	2.488	3.456	4.9	21.7
4 11	13 11.67	−18 7.7	2.461	3.453	2.9	21.5
4 21	13 3.75	−17 11.5	2.464	3.449	3.9	21.6
5 1	12 56.62	−16 11.6	2.496	3.444	6.7	21.8
5 11	12 50.87	−15 13.3	2.554	3.439	9.4	21.9

370211 2002 GO_{138} 4 9.4 172.°37 0.°0/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 37.86	−18 1.3	1.215	2.017	21.4	20.7
3 12	13 35.30	−16 7.0	1.134	2.020	17.1	20.4
3 22	13 29.43	−13 32.4	1.072	2.022	11.8	20.1
4 1	13 21.02	−10 23.7	1.034	2.023	5.5	19.8
4 11	13 11.41	− 6 56.3	1.022	2.024	1.1	19.4
4 21	13 2.15	− 3 31.1	1.038	2.024	7.7	19.9
5 1	12 54.68	− 0 28.6	1.080	2.024	13.7	20.2
5 11	12 49.99	+ 1 57.6	1.144	2.023	18.8	20.5

11758 Sargent 4 9.4 261.°10 1.°6/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.07	−14 57.3	2.563	3.328	12.4	18.8
3 12	13 31.41	−14 47.7	2.453	3.315	10.0	18.6
3 22	13 25.99	−14 25.3	2.367	3.301	7.1	18.4
4 1	13 19.22	−13 51.2	2.306	3.288	3.9	18.2
4 11	13 11.74	−13 8.1	2.274	3.274	1.6	18.0
4 21	13 4.28	−12 19.9	2.272	3.260	3.9	18.1
5 1	12 57.57	−11 31.3	2.297	3.246	7.1	18.3
5 11	12 52.21	−10 47.1	2.349	3.231	10.2	18.5

332346 2007 DQ_{34} 4 9.4 43.°09 5.°2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.87	+ 0 28.7	1.716	2.549	14.7	20.3
3 12	13 31.06	+ 2 11.7	1.645	2.552	11.4	20.1
3 22	13 25.98	+ 4 3.8	1.598	2.555	7.9	19.9
4 1	13 19.24	+ 5 55.9	1.576	2.558	5.4	19.8
4 11	13 11.75	+ 7 37.8	1.582	2.561	6.2	19.8
4 21	13 4.50	+ 9 0.8	1.615	2.564	9.3	20.0
5 1	12 58.42	+ 9 59.0	1.672	2.567	12.8	20.2
5 11	12 54.21	+10 30.4	1.749	2.570	15.9	20.4

389748 2011 SP_{144} 4 9.4 305.°78 0.°0/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.12	− 8 3.4	2.278	3.068	13.0	20.8
3 12	13 33.88	− 8 4.1	2.185	3.066	10.2	20.6
3 22	13 27.67	− 7 56.3	2.115	3.063	6.9	20.4
4 1	13 20.00	− 7 41.9	2.071	3.060	3.2	20.1
4 11	13 11.61	− 7 24.0	2.056	3.058	0.6	19.9
4 21	13 3.31	− 7 6.2	2.070	3.055	4.5	20.2
5 1	12 55.91	− 6 52.4	2.111	3.053	8.1	20.4
5 11	12 50.09	− 6 45.7	2.178	3.050	11.3	20.6

284396 2006 TE_{65} 4 9.4 172.°31 4.°3/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.65	+ 3 50.6	2.550	3.365	11.0	21.0
3 12	13 30.87	+ 4 57.4	2.472	3.367	8.6	20.8
3 22	13 25.47	+ 6 7.0	2.419	3.368	6.1	20.6
4 1	13 18.91	+ 7 14.0	2.394	3.369	4.4	20.5
4 11	13 11.82	+ 8 12.8	2.398	3.370	4.9	20.6
4 21	13 4.89	+ 8 58.8	2.430	3.371	7.1	20.7
5 1	12 58.75	+ 9 28.9	2.489	3.372	9.6	20.9
5 11	12 53.94	+ 9 41.8	2.570	3.372	12.0	21.0

253850 2003 YJ_{152} 4 9.4 12.°10 4.°3/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 43.65	+ 2 14.9	1.295	2.130	18.5	19.3
3 12	13 39.48	+ 2 12.5	1.226	2.132	14.5	19.0
3 22	13 32.07	+ 2 11.9	1.177	2.135	10.0	18.7
4 1	13 22.20	+ 2 7.4	1.151	2.139	5.6	18.5
4 11	13 11.20	+ 1 53.2	1.150	2.143	4.8	18.5
4 21	13 0.58	+ 1 25.6	1.174	2.149	8.8	18.7
5 1	12 51.72	+ 0 42.4	1.221	2.155	13.4	19.0
5 11	12 45.60	− 0 15.8	1.289	2.162	17.5	19.2

211476 2003 EX_{37} 4 9.4 20.°93 10.°4/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 32.12	+18 17.1	1.900	2.731	13.6	18.9
3 12	13 29.54	+20 34.0	1.855	2.736	11.7	18.7
3 22	13 24.87	+22 42.2	1.835	2.742	10.5	18.7
4 1	13 18.69	+24 31.1	1.839	2.748	10.6	18.7
4 11	13 11.87	+25 52.1	1.868	2.755	11.8	18.8
4 21	13 5.32	+26 40.5	1.919	2.762	13.6	18.9
5 1	12 59.88	+26 55.5	1.991	2.770	15.6	19.1
5 11	12 56.17	+26 39.9	2.078	2.778	17.4	19.2

62291 2000 SN_{112} 4 9.4 291.°44 0.°6/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.58	− 9 19.9	1.783	2.580	15.8	19.6
3 12	13 36.64	− 9 32.4	1.677	2.560	12.6	19.3
3 22	13 30.06	− 9 34.0	1.593	2.541	8.7	19.0
4 1	13 21.32	− 9 26.0	1.533	2.521	4.3	18.7
4 11	13 11.34	− 9 11.4	1.500	2.502	0.8	18.4
4 21	13 1.25	− 8 54.3	1.494	2.482	5.5	18.7
5 1	12 52.23	− 8 39.9	1.515	2.463	10.2	18.9
5 11	12 45.27	− 8 33.0	1.559	2.444	14.4	19.1

141150 2001 XK_{109} 4 9.4 94.°94 4.°1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.52	−22 29.4	2.400	3.130	14.0	20.3
3 12	13 32.65	−22 43.4	2.308	3.137	11.7	20.1
3 22	13 26.85	−22 40.9	2.238	3.143	9.0	19.9
4 1	13 19.61	−22 21.2	2.191	3.149	6.2	19.8
4 11	13 11.69	−21 46.0	2.172	3.155	4.3	19.7
4 21	13 3.90	−20 58.8	2.181	3.161	4.8	19.7
5 1	12 57.04	−20 4.7	2.218	3.167	7.3	19.9
5 11	12 51.74	−19 9.9	2.280	3.173	10.1	20.0

371128 2005 WB_{54} 4 9.4 127.°61 4.°1/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.67	+ 3 15.6	2.347	3.155	12.1	21.3
3 12	13 34.75	+ 4 11.2	2.281	3.172	9.4	21.1
3 22	13 28.04	+ 5 9.2	2.240	3.189	6.5	21.0
4 1	13 20.08	+ 6 4.1	2.227	3.205	4.4	20.9
4 11	13 11.63	+ 6 50.4	2.243	3.220	4.7	20.9
4 21	13 3.46	+ 7 23.8	2.287	3.235	7.0	21.1
5 1	12 56.30	+ 7 41.6	2.358	3.249	9.8	21.3
5 11	12 50.67	+ 7 43.0	2.453	3.262	12.3	21.5

242795 2006 AX_{79} 4 9.4 11.°21 7.°5/ 4.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.92	+ 4 19.6	1.167	2.021	18.8	20.1
3 12	13 34.45	+ 5 31.7	1.106	2.022	14.8	19.9
3 22	13 28.78	+ 6 48.5	1.066	2.024	10.6	19.6
4 1	13 20.69	+ 7 58.9	1.047	2.027	7.7	19.5
4 11	13 11.51	+ 8 51.1	1.052	2.031	8.4	19.5
4 21	13 2.73	+ 9 16.9	1.079	2.035	12.0	19.7
5 1	12 55.71	+ 9 12.3	1.127	2.040	16.2	20.0
5 11	12 51.38	+ 8 38.5	1.193	2.046	20.0	20.2

212894 2007 VV_{306} 4 9.4 117.°48 0.°6/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.38	−11 49.0	2.417	3.196	12.7	21.2
3 12	13 32.34	−11 32.6	2.333	3.205	10.0	21.0
3 22	13 26.53	−11 4.8	2.271	3.214	6.9	20.8
4 1	13 19.43	−10 27.7	2.236	3.222	3.4	20.6
4 11	13 11.76	− 9 44.8	2.229	3.231	0.7	20.4
4 21	13 4.26	− 9 0.5	2.252	3.239	4.0	20.7
5 1	12 57.65	− 8 19.3	2.303	3.247	7.4	20.9
5 11	12 52.50	− 7 45.4	2.379	3.255	10.4	21.1

60354 2000 AP_{88} 4 9.4 126.°37 1.°2/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.57	−13 42.8	1.945	2.722	15.4	20.1
3 12	13 36.02	−13 27.3	1.866	2.735	12.2	19.9
3 22	13 29.20	−12 56.5	1.809	2.749	8.5	19.7
4 1	13 20.74	−12 12.2	1.777	2.761	4.4	19.4
4 11	13 11.54	−11 18.9	1.772	2.773	1.3	19.2
4 21	13 2.60	−10 22.3	1.797	2.785	4.7	19.5
5 1	12 54.87	− 9 28.9	1.849	2.796	8.7	19.8
5 11	12 49.05	− 8 44.1	1.925	2.807	12.2	20.0

54631 2000 SJ_{115} 4 9.4 38.°48 0.°4/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.22	− 7 38.2	3.004	3.791	10.2	18.6
3 12	13 29.56	− 7 24.5	2.914	3.794	8.0	18.5
3 22	13 24.50	− 7 3.9	2.849	3.798	5.3	18.3
4 1	13 18.46	− 6 38.6	2.811	3.801	2.4	18.1
4 11	13 11.96	− 6 11.3	2.803	3.804	0.7	18.0
4 21	13 5.56	− 5 45.1	2.824	3.808	3.6	18.2
5 1	12 59.82	− 5 23.0	2.874	3.811	6.4	18.4
5 11	12 55.18	− 5 7.6	2.950	3.815	8.9	18.6

196605 2003 QM_{75} 4 9.4 214.°41 0.°8/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.82	− 8 37.7	2.467	3.256	12.2	21.3
3 12	13 31.96	− 7 50.6	2.368	3.249	9.5	21.1
3 22	13 26.33	− 6 52.1	2.292	3.241	6.3	20.8
4 1	13 19.38	− 5 45.5	2.243	3.233	2.9	20.6
4 11	13 11.78	− 4 35.7	2.224	3.225	1.3	20.5
4 21	13 4.26	− 3 28.1	2.235	3.215	4.7	20.7
5 1	12 57.54	− 2 28.1	2.274	3.206	8.2	20.9
5 11	12 52.23	− 1 39.9	2.338	3.196	11.2	21.1

502915 2015 ED_{18} 4 9.4 174.°09 1.°9/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.06	−13 15.9	2.080	2.851	14.7	21.4
3 12	13 37.22	−13 36.7	1.987	2.852	11.8	21.2
3 22	13 30.09	−13 45.7	1.917	2.853	8.4	21.0
4 1	13 21.21	−13 43.0	1.872	2.853	4.6	20.7
4 11	13 11.46	−13 30.9	1.855	2.854	1.9	20.6
4 21	13 1.79	−13 12.5	1.867	2.854	4.6	20.7
5 1	12 53.20	−12 52.5	1.906	2.854	8.4	21.0
5 11	12 46.45	−12 35.7	1.971	2.854	11.9	21.2

399162 2014 FM_{29} 4 9.4 311.°46 0.°0/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.71	− 7 0.2	2.167	2.957	13.6	20.3
3 12	13 36.14	− 7 19.5	2.063	2.944	10.7	20.1
3 22	13 29.38	− 7 32.1	1.983	2.931	7.3	19.9
4 1	13 20.91	− 7 39.3	1.929	2.918	3.5	19.6
4 11	13 11.51	− 7 43.5	1.903	2.905	0.6	19.3
4 21	13 2.09	− 7 47.4	1.906	2.892	4.8	19.6
5 1	12 53.60	− 7 54.2	1.938	2.880	8.7	19.8
5 11	12 46.80	− 8 6.9	1.994	2.868	12.1	20.0

363748 2005 AF 4 9.4 147.°55 0.°3/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.32	−11 49.5	2.011	2.790	14.8	22.8
3 12	13 36.52	−11 18.8	1.929	2.802	11.7	22.6
3 22	13 29.51	−10 33.6	1.869	2.813	8.0	22.4
4 1	13 20.88	− 9 36.8	1.836	2.823	3.8	22.1
4 11	13 11.53	− 8 33.4	1.831	2.833	0.6	21.9
4 21	13 2.44	− 7 29.6	1.856	2.842	4.9	22.2
5 1	12 54.51	− 6 31.7	1.908	2.849	8.8	22.5
5 11	12 48.44	− 5 44.9	1.985	2.856	12.3	22.7

386470 2008 YS_{50} 4 9.4 60.°99 1.°8/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.65	− 4 32.8	2.037	2.846	13.7	21.4
3 12	13 32.82	− 4 3.4	1.962	2.855	10.6	21.2
3 22	13 26.97	− 3 25.8	1.910	2.865	7.0	21.0
4 1	13 19.68	− 2 44.1	1.884	2.874	3.3	20.8
4 11	13 11.76	− 2 3.3	1.886	2.884	2.2	20.7
4 21	13 4.06	− 1 28.6	1.916	2.894	5.7	21.0
5 1	12 57.42	− 1 4.0	1.973	2.904	9.2	21.2
5 11	12 52.45	− 0 52.5	2.053	2.914	12.4	21.4

457637 2009 BM_{156} 4 9.4 53.°25 0.°8/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.40	− 8 56.2	1.327	2.149	18.8	21.4
3 12	13 35.21	− 8 26.5	1.263	2.162	14.7	21.2
3 22	13 29.08	− 7 40.2	1.219	2.175	9.9	21.0
4 1	13 20.78	− 6 41.9	1.198	2.189	4.5	20.7
4 11	13 11.56	− 5 39.5	1.201	2.203	1.4	20.5
4 21	13 2.75	− 4 41.7	1.231	2.217	6.7	20.9
5 1	12 55.59	− 3 56.2	1.284	2.231	11.6	21.2
5 11	12 50.92	− 3 28.2	1.359	2.246	15.9	21.5

309899 2009 EK_4 4 9.5 10.°40 2.°1/ 8.1 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 2	13 35.85	− 5 23.6	1.155	2.000	19.7	20.1
3 12	13 33.73	− 5 2.9	1.089	2.001	15.4	19.8
3 22	13 28.39	− 4 28.4	1.042	2.004	10.3	19.6
4 1	13 20.57	− 3 45.5	1.015	2.008	4.8	19.3
4 11	13 11.59	− 3 2.5	1.013	2.012	2.8	19.1
4 21	13 2.94	− 2 27.8	1.034	2.018	7.9	19.5
5 1	12 56.02	− 2 8.3	1.077	2.025	13.2	19.8
5 11	12 51.81	− 2 8.2	1.139	2.033	17.7	20.1

169116 2001 OT_{69} 4 9.5 158.°04 1.°9/11.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 2	13 37.55	−16 57.8	3.260	3.997	10.5	21.1
3 12	13 32.80	−16 55.3	3.164	4.006	8.5	21.0
3 22	13 26.64	−16 42.1	3.092	4.014	6.2	20.8
4 1	13 19.46	−16 18.9	3.048	4.021	3.7	20.7
4 11	13 11.81	−15 47.7	3.033	4.028	1.9	20.6
4 21	13 4.27	−15 11.3	3.049	4.035	3.2	20.7
5 1	12 57.40	−14 33.1	3.095	4.040	5.6	20.8
5 11	12 51.67	−13 56.7	3.168	4.045	8.0	21.0

233121 2005 TD_{40} 4 9.5 46.°28 3.°4/ 7.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 2	13 43.08	− 1 37.0	1.212	2.048	19.5	20.3
3 12	13 39.17	− 1 21.6	1.149	2.056	15.2	20.0
3 22	13 31.92	− 0 58.2	1.105	2.065	10.2	19.7
4 1	13 22.17	− 0 32.7	1.083	2.074	5.2	19.5
4 11	13 11.31	− 0 12.7	1.086	2.083	4.0	19.4
4 21	13 0.90	− 0 4.4	1.114	2.093	8.5	19.7
5 1	12 52.38	− 0 12.3	1.164	2.103	13.5	20.0
5 11	12 46.68	− 0 38.1	1.235	2.113	17.8	20.3

242071 2002 TR_{135} 4 9.5 242.°01 2.°7/12.3 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 2	13 36.33	−18 10.9	2.352	3.106	13.7	20.8
3 12	13 32.60	−18 6.9	2.246	3.097	11.2	20.6
3 22	13 26.91	−17 47.3	2.162	3.087	8.2	20.4
4 1	13 19.72	−17 12.6	2.104	3.078	5.0	20.2
4 11	13 11.75	−16 25.1	2.073	3.068	2.7	20.0
4 21	13 3.81	−15 29.1	2.071	3.058	4.3	20.1
5 1	12 56.73	−14 30.0	2.096	3.047	7.5	20.3
5 11	12 51.19	−13 34.0	2.148	3.037	10.8	20.4

236816 2007 RV_{25} 4 9.5 286.°72 0.°7/10.1 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 2	13 36.47	−11 49.3	2.047	2.836	14.3	21.5
3 12	13 32.85	−11 34.2	1.958	2.835	11.4	21.3
3 22	13 27.12	−11 5.7	1.890	2.835	7.8	21.1
4 1	13 19.82	−10 25.9	1.848	2.835	3.9	20.9
4 11	13 11.75	− 9 38.9	1.833	2.835	0.8	20.6
4 21	13 3.81	− 8 49.9	1.846	2.834	4.6	20.9
5 1	12 56.88	− 8 4.6	1.887	2.834	8.5	21.1
5 11	12 51.66	− 7 28.0	1.952	2.834	12.0	21.3

428904 2008 VG_{11} 4 9.5 298.°55 1.°8/ 7.7 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 2	13 35.00	− 5 53.3	1.936	2.748	14.2	20.9
3 12	13 31.81	− 5 9.5	1.847	2.742	11.0	20.7
3 22	13 26.49	− 4 14.4	1.780	2.736	7.3	20.5
4 1	13 19.55	− 3 12.3	1.739	2.730	3.4	20.2
4 11	13 11.81	− 2 9.5	1.725	2.724	2.3	20.1
4 21	13 4.18	− 1 12.4	1.740	2.718	6.1	20.3
5 1	12 57.57	− 0 26.9	1.780	2.712	10.0	20.6
5 11	12 52.69	+ 0 3.0	1.843	2.706	13.5	20.8

380929 2006 HU_{30} 4 9.5 274.°94 19.°5/31.9 13 C

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 2	14 14.76	+21 21.1	0.981	1.781	25.6	22.0
3 12	14 8.49	+23 8.6	0.875	1.738	23.1	21.6
3 22	13 55.46	+24 54.1	0.785	1.692	20.7	21.2
4 1	13 35.11	+26 12.1	0.713	1.643	19.5	20.9
4 11	13 8.63	+26 29.7	0.662	1.591	21.1	20.7
4 21	12 39.31	+25 20.0	0.632	1.536	25.7	20.7
5 1	12 11.73	+22 36.7	0.622	1.479	32.1	20.8
5 11	11 49.53	+18 38.2	0.627	1.418	38.8	20.9

473083 2015 HG_{144} 4 9.5 354.°57 2.°1/11.3 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 2	13 32.37	−15 45.1	1.672	2.467	16.8	20.5
3 12	13 30.20	−15 33.4	1.585	2.463	13.5	20.2
3 22	13 25.63	−15 2.1	1.518	2.460	9.7	20.0
4 1	13 19.21	−14 12.8	1.474	2.457	5.4	19.7
4 11	13 11.87	−13 9.9	1.455	2.455	2.1	19.5
4 21	13 4.66	−12 0.3	1.463	2.454	5.1	19.7
5 1	12 58.62	−10 52.2	1.497	2.454	9.4	19.9
5 11	12 54.56	− 9 53.0	1.553	2.454	13.4	20.2

246108 2007 FT_{27} 4 9.5 213.°42 1.°2/ 6.8 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 2	13 27.38	− 2 49.8	4.887	5.682	6.4	21.0
3 12	13 24.55	− 2 13.0	4.792	5.678	4.9	20.9
3 22	13 20.93	− 1 33.0	4.723	5.675	3.2	20.8
4 1	13 16.76	− 0 51.6	4.683	5.671	1.6	20.6
4 11	13 12.34	− 0 11.2	4.674	5.668	1.5	20.6
4 21	13 7.96	+ 0 26.1	4.696	5.664	3.0	20.7
5 1	13 3.93	+ 0 58.3	4.746	5.660	4.7	20.9
5 11	13 0.52	+ 1 24.0	4.824	5.657	6.3	21.0

297629 2001 TC_{86} 4 9.5 89.°83 2.°0/10.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 2	13 43.87	−13 49.8	1.480	2.270	18.8	20.6
3 12	13 39.26	−13 57.4	1.413	2.289	15.0	20.4
3 22	13 31.72	−13 47.0	1.365	2.307	10.5	20.2
4 1	13 22.01	−13 20.0	1.340	2.324	5.6	19.9
4 11	13 11.38	−12 40.7	1.342	2.342	2.0	19.7
4 21	13 1.16	−11 55.5	1.370	2.359	5.6	20.0
5 1	12 52.61	−11 12.1	1.424	2.376	10.3	20.3
5 11	12 46.57	−10 37.1	1.501	2.393	14.4	20.6

15806 Kohei 4 9.5 17.°37 5.°5/ 3.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 2	13 33.80	+ 3 57.4	1.840	2.674	13.9	17.0
3 12	13 30.85	+ 5 10.6	1.772	2.677	10.8	16.8
3 22	13 25.78	+ 6 27.3	1.727	2.681	7.7	16.6
4 1	13 19.17	+ 7 40.2	1.708	2.685	5.6	16.5
4 11	13 11.89	+ 8 41.2	1.715	2.689	6.3	16.5
4 21	13 4.84	+ 9 24.4	1.749	2.694	9.0	16.7
5 1	12 58.90	+ 9 46.1	1.806	2.700	12.1	16.9
5 11	12 54.70	+ 9 45.5	1.885	2.706	15.0	17.1

420645 2012 JK_8 4 9.5 25.°12 3.°2/ 7.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 2	13 38.68	− 1 54.5	1.274	2.113	18.5	19.8
3 12	13 35.51	− 1 37.8	1.214	2.123	14.3	19.6
3 22	13 29.33	− 1 13.2	1.173	2.134	9.6	19.3
4 1	13 20.93	− 0 46.4	1.155	2.145	4.8	19.1
4 11	13 11.58	− 0 24.6	1.162	2.158	3.7	19.0
4 21	13 2.67	− 0 13.8	1.193	2.172	8.0	19.3
5 1	12 55.46	− 0 18.3	1.247	2.187	12.6	19.6
5 11	12 50.79	− 0 39.9	1.322	2.202	16.7	19.9

336857 2011 FZ_{82} 4 9.5 294.°66 0.°3/ 9.2 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 2	13 40.01	− 7 35.4	1.863	2.663	15.1	20.7
3 12	13 35.89	− 7 37.8	1.771	2.657	11.9	20.5
3 22	13 29.35	− 7 30.4	1.699	2.650	8.1	20.2
4 1	13 20.94	− 7 15.5	1.654	2.643	3.8	20.0
4 11	13 11.56	− 6 56.6	1.635	2.637	0.8	19.7
4 21	13 2.25	− 6 38.3	1.645	2.630	5.4	20.0
5 1	12 54.06	− 6 25.2	1.680	2.624	9.7	20.3
5 11	12 47.81	− 6 21.2	1.740	2.618	13.4	20.5

228139 2009 RS_{33} 4 9.5 220.°44 0.°1/ 9.3 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 2	13 35.60	−11 53.5	1.999	2.790	14.5	20.7
3 12	13 32.25	−11 0.9	1.904	2.785	11.5	20.5
3 22	13 26.77	− 9 51.5	1.832	2.780	7.8	20.3
4 1	13 19.68	− 8 28.7	1.786	2.775	3.6	20.0
4 11	13 11.80	− 6 58.8	1.768	2.769	0.8	19.8
4 21	13 4.04	− 5 29.2	1.778	2.763	5.1	20.1
5 1	12 57.29	− 4 7.7	1.816	2.757	9.2	20.3
5 11	12 52.26	− 3 0.3	1.879	2.751	12.9	20.5

321471 2009 RZ_{49} 4 9.5 283.°17 0.°6/ 9.8 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 2	13 42.06	− 9 3.6	1.765	2.560	16.0	20.8
3 12	13 37.84	− 9 19.5	1.661	2.543	12.8	20.6
3 22	13 30.92	− 9 25.1	1.578	2.525	8.9	20.3
4 1	13 21.79	− 9 21.5	1.520	2.508	4.3	20.0
4 11	13 11.39	− 9 11.4	1.489	2.491	0.8	19.7
4 21	13 0.89	− 8 59.0	1.485	2.473	5.6	20.0
5 1	12 51.50	− 8 49.0	1.509	2.456	10.3	20.2
5 11	12 44.23	− 8 46.3	1.555	2.438	14.5	20.4

435265 2007 TN_{218} 4 9.5 113.°66 1.°8/11.6 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 2	13 35.04	−16 51.1	2.357	3.119	13.4	21.7
3 12	13 31.42	−16 27.0	2.269	3.127	10.8	21.5
3 22	13 25.98	−15 47.4	2.203	3.135	7.7	21.3
4 1	13 19.24	−14 53.9	2.163	3.143	4.4	21.1
4 11	13 11.89	−13 50.2	2.152	3.151	1.8	21.0
4 21	13 4.72	−12 41.6	2.169	3.158	3.9	21.1
5 1	12 58.46	−11 33.9	2.215	3.166	7.3	21.4
5 11	12 53.70	−10 32.6	2.287	3.173	10.3	21.6

89557 2001 XY_{98} 4 9.5 187.°16 4.°0/ 5.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 2	13 41.65	− 0 3.6	1.821	2.635	14.8	19.8
3 12	13 37.06	+ 0 50.0	1.740	2.635	11.5	19.6
3 22	13 30.05	+ 1 50.7	1.681	2.634	7.9	19.4
4 1	13 21.22	+ 2 52.3	1.648	2.633	4.6	19.2
4 11	13 11.53	+ 3 47.5	1.643	2.631	4.6	19.2
4 21	13 2.03	+ 4 29.8	1.666	2.628	7.9	19.4
5 1	12 53.75	+ 4 54.4	1.714	2.625	11.7	19.6
5 11	12 47.47	+ 4 59.5	1.785	2.621	15.1	19.8

49499 1999 CJ_8 4 9.5 280.°24 4.°5/ 4.4 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 2	13 34.50	+ 2 35.8	2.163	2.985	12.5	18.2
3 12	13 31.15	+ 3 41.7	2.080	2.980	9.7	18.0
3 22	13 25.89	+ 4 52.3	2.022	2.974	6.8	17.8
4 1	13 19.23	+ 6 1.5	1.990	2.969	4.7	17.7
4 11	13 11.90	+ 7 2.6	1.986	2.964	5.2	17.7
4 21	13 4.70	+ 7 50.0	2.009	2.958	7.8	17.8
5 1	12 58.42	+ 8 19.6	2.058	2.953	10.8	18.0
5 11	12 53.67	+ 8 29.9	2.129	2.948	13.6	18.2

213804 2003 GE_{17} 4 9.5 4.°44 8.°5/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 30.17	+ 9 41.3	1.855	2.697	13.4	18.7
3 12	13 28.11	+12 23.4	1.795	2.697	10.9	18.5
3 22	13 23.99	+15 6.9	1.761	2.698	9.0	18.4
4 1	13 18.37	+17 39.5	1.755	2.699	8.6	18.4
4 11	13 12.06	+19 49.7	1.776	2.701	10.1	18.5
4 21	13 5.93	+21 29.7	1.822	2.703	12.5	18.6
5 1	13 0.83	+22 35.6	1.890	2.707	15.0	18.8
5 11	12 57.40	+23 8.1	1.975	2.710	17.2	19.0

462558 2009 CO_{65} 4 9.5 325.°61 4.°2/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.69	−17 49.9	1.341	2.140	20.0	21.0
3 12	13 33.66	−18 12.4	1.251	2.128	16.5	20.7
3 22	13 28.51	−18 12.5	1.179	2.116	12.3	20.4
4 1	13 20.79	−17 48.8	1.128	2.106	7.7	20.1
4 11	13 11.61	−17 3.4	1.100	2.096	4.3	19.9
4 21	13 2.41	−16 2.6	1.096	2.086	6.5	20.0
5 1	12 54.68	−14 56.0	1.116	2.077	11.3	20.2
5 11	12 49.57	−13 54.3	1.156	2.069	16.0	20.5

79629 1998 RC_{71} 4 9.5 141.°75 2.°8/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.01	− 3 46.2	1.797	2.612	14.9	20.0
3 12	13 34.21	− 2 50.2	1.720	2.617	11.6	19.8
3 22	13 28.11	− 1 43.8	1.665	2.622	7.7	19.6
4 1	13 20.31	− 0 32.8	1.637	2.626	3.9	19.3
4 11	13 11.73	+ 0 35.3	1.636	2.630	3.4	19.3
4 21	13 3.39	+ 1 33.5	1.663	2.634	7.0	19.5
5 1	12 56.25	+ 2 16.1	1.715	2.638	10.9	19.8
5 11	12 51.02	+ 2 40.1	1.790	2.641	14.3	20.0

272677 2005 XE_{17} 4 9.5 129.°11 0.°9/10.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.21	−13 47.9	2.463	3.226	12.9	22.4
3 12	13 34.45	−13 21.3	2.382	3.245	10.2	22.2
3 22	13 27.91	−12 41.7	2.325	3.262	7.0	22.0
4 1	13 20.11	−11 51.4	2.295	3.279	3.6	21.8
4 11	13 11.79	−10 54.2	2.295	3.296	0.9	21.6
4 21	13 3.70	− 9 55.0	2.324	3.311	3.9	21.9
5 1	12 56.57	− 8 58.9	2.383	3.326	7.2	22.1
5 11	12 50.94	− 8 10.4	2.467	3.340	10.2	22.3

204188 2004 BB_{65} 4 9.5 257.°83 0.°6/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.59	− 7 47.0	2.151	2.949	13.4	21.1
3 12	13 32.82	− 7 26.4	2.062	2.947	10.5	20.9
3 22	13 27.05	− 6 55.6	1.995	2.946	7.0	20.7
4 1	13 19.80	− 6 17.6	1.955	2.945	3.2	20.4
4 11	13 11.84	− 5 36.8	1.943	2.944	1.1	20.2
4 21	13 4.00	− 4 57.9	1.959	2.943	4.9	20.5
5 1	12 57.11	− 4 25.7	2.003	2.942	8.6	20.7
5 11	12 51.83	− 4 4.0	2.070	2.941	11.9	20.9

172026 2001 VF_{1} 4 9.5 169.°46 6.°1/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.29	+15 28.4	3.128	3.927	9.6	21.4
3 12	13 32.61	+16 32.2	3.062	3.932	7.9	21.3
3 22	13 26.51	+17 31.4	3.022	3.936	6.6	21.2
4 1	13 19.42	+18 21.0	3.009	3.940	6.1	21.1
4 11	13 11.92	+18 56.8	3.025	3.943	6.7	21.2
4 21	13 4.58	+19 16.1	3.068	3.945	8.1	21.3
5 1	12 57.97	+19 17.6	3.137	3.947	9.8	21.4
5 11	12 52.54	+19 1.9	3.227	3.948	11.4	21.5

505945 2015 FA_{78} 4 9.5 204.°64 0.°7/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.21	− 6 36.0	2.619	3.406	11.6	21.6
3 12	13 33.70	− 6 23.4	2.522	3.402	9.0	21.4
3 22	13 27.46	− 6 3.5	2.449	3.398	6.1	21.2
4 1	13 19.95	− 5 38.6	2.404	3.394	2.8	20.9
4 11	13 11.81	− 5 11.9	2.388	3.389	1.0	20.8
4 21	13 3.75	− 4 47.0	2.402	3.384	4.3	21.0
5 1	12 56.47	− 4 27.4	2.445	3.378	7.5	21.2
5 11	12 50.56	− 4 15.8	2.513	3.373	10.4	21.4

153063 2000 QC_{176} 4 9.5 166.°72 1.°0/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.42	−13 33.4	2.439	3.206	12.9	21.2
3 12	13 33.98	−13 11.0	2.347	3.211	10.3	21.0
3 22	13 27.69	−12 35.7	2.277	3.215	7.1	20.8
4 1	13 20.06	−11 49.2	2.235	3.219	3.7	20.6
4 11	13 11.80	−10 55.3	2.222	3.223	1.0	20.4
4 21	13 3.68	− 9 58.6	2.238	3.225	4.0	20.7
5 1	12 56.46	− 9 4.3	2.283	3.227	7.4	20.9
5 11	12 50.74	− 8 17.3	2.354	3.229	10.5	21.1

56385 2000 EN_{48} 4 9.5 272.°67 0.°0/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.87	− 9 24.2	1.517	2.325	17.6	19.5
3 12	13 37.36	− 9 18.2	1.417	2.307	14.1	19.2
3 22	13 30.85	− 8 57.4	1.337	2.289	9.7	18.9
4 1	13 21.87	− 8 23.8	1.281	2.270	4.6	18.5
4 11	13 11.44	− 7 42.2	1.250	2.252	0.8	18.2
4 21	13 0.89	− 6 59.1	1.245	2.233	6.4	18.5
5 1	12 51.63	− 6 22.1	1.266	2.214	11.7	18.8
5 11	12 44.77	− 5 57.7	1.308	2.195	16.4	19.0

414103 2007 TQ_{318} 4 9.5 245.°10 0.°6/ 9.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.47	−12 32.1	1.758	2.550	16.2	21.7
3 12	13 34.96	−12 3.9	1.658	2.537	12.9	21.5
3 22	13 28.90	−11 17.8	1.578	2.525	9.0	21.2
4 1	13 20.82	−10 16.1	1.524	2.512	4.4	20.9
4 11	13 11.64	− 9 4.0	1.496	2.498	0.8	20.6
4 21	13 2.49	− 7 48.8	1.497	2.484	5.5	20.9
5 1	12 54.47	− 6 38.8	1.523	2.470	10.2	21.1
5 11	12 48.50	− 5 41.2	1.573	2.455	14.4	21.3

53062 1998 XH_{28} 4 9.5 179.°94 4.°8/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.72	−20 33.1	1.620	2.381	18.6	19.0
3 12	13 37.79	−20 55.9	1.531	2.382	15.5	18.8
3 22	13 30.95	−20 57.4	1.462	2.382	11.7	18.5
4 1	13 21.81	−20 35.8	1.414	2.382	7.7	18.3
4 11	13 11.47	−19 52.7	1.392	2.382	4.9	18.1
4 21	13 1.24	−18 53.4	1.396	2.382	6.2	18.2
5 1	12 52.44	−17 46.2	1.426	2.381	10.1	18.4
5 11	12 46.04	−16 40.6	1.480	2.380	14.0	18.6

497583 2006 HG_{20} 4 9.5 245.°89 0.°3/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 43.06	− 6 36.7	2.206	2.991	13.5	21.2
3 12	13 37.92	− 6 48.3	2.104	2.982	10.7	21.0
3 22	13 30.56	− 6 52.9	2.025	2.972	7.2	20.7
4 1	13 21.50	− 6 52.2	1.973	2.962	3.4	20.5
4 11	13 11.53	− 6 48.8	1.950	2.952	0.8	20.2
4 21	13 1.58	− 6 45.9	1.957	2.941	4.8	20.5
5 1	12 52.58	− 6 46.7	1.992	2.931	8.7	20.7
5 11	12 45.29	− 6 54.4	2.052	2.920	12.1	20.9

112638 2002 PQ_{81} 4 9.5 270.°85 3.°0/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.55	− 4 26.6	1.661	2.483	15.7	19.8
3 12	13 33.49	− 3 27.4	1.570	2.470	12.2	19.6
3 22	13 27.90	− 2 14.8	1.500	2.458	8.2	19.3
4 1	13 20.34	− 0 54.6	1.455	2.445	4.2	19.0
4 11	13 11.74	+ 0 24.9	1.437	2.432	3.6	19.0
4 21	13 3.21	+ 1 35.1	1.446	2.419	7.7	19.2
5 1	12 55.84	+ 2 28.6	1.480	2.406	12.0	19.4
5 11	12 50.52	+ 3 0.8	1.535	2.393	16.0	19.6

293815 2007 RN_{172} 4 9.5 270.°59 1.°9/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.61	− 4 21.8	2.103	2.911	13.3	20.9
3 12	13 32.92	− 3 50.2	2.010	2.902	10.4	20.7
3 22	13 27.19	− 3 10.0	1.939	2.893	6.9	20.5
4 1	13 19.90	− 2 25.0	1.895	2.885	3.3	20.2
4 11	13 11.84	− 1 40.4	1.878	2.876	2.4	20.1
4 21	13 3.85	− 1 1.5	1.890	2.867	5.8	20.3
5 1	12 56.80	− 0 32.8	1.928	2.858	9.5	20.5
5 11	12 51.38	− 0 17.7	1.990	2.849	12.8	20.7

162593 2000 SY_{47} 4 9.5 191.°14 0.°9/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.76	−14 11.5	2.000	2.775	15.1	20.5
3 12	13 35.52	−13 37.7	1.905	2.774	12.0	20.2
3 22	13 29.01	−12 46.6	1.831	2.772	8.4	20.0
4 1	13 20.78	−11 40.5	1.784	2.769	4.3	19.7
4 11	13 11.69	−10 24.2	1.764	2.765	1.0	19.5
4 21	13 2.72	− 9 4.6	1.774	2.761	4.8	19.8
5 1	12 54.85	− 7 49.0	1.811	2.756	9.0	20.0
5 11	12 48.83	− 6 44.1	1.873	2.750	12.7	20.2

368688 2005 SA_{34} 4 9.5 195.°31 1.°7/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.27	− 6 22.1	2.391	3.185	12.3	22.4
3 12	13 33.12	− 5 22.4	2.297	3.183	9.6	22.2
3 22	13 27.15	− 4 11.9	2.227	3.179	6.3	22.0
4 1	13 19.84	− 2 55.0	2.185	3.175	3.0	21.8
4 11	13 11.87	− 1 37.3	2.173	3.170	2.2	21.7
4 21	13 4.01	− 0 24.8	2.191	3.165	5.4	21.9
5 1	12 57.01	+ 0 37.0	2.236	3.158	8.8	22.1
5 11	12 51.48	+ 1 24.3	2.307	3.151	11.8	22.3

192733 1999 TV_{192} 4 9.5 265.°94 0.°7/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.74	− 5 43.3	2.118	2.909	13.8	19.9
3 12	13 37.86	− 5 48.3	2.009	2.891	10.9	19.7
3 22	13 30.66	− 5 46.1	1.923	2.872	7.4	19.4
4 1	13 21.62	− 5 39.0	1.864	2.853	3.5	19.2
4 11	13 11.53	− 5 29.9	1.833	2.834	1.2	18.9
4 21	13 1.38	− 5 22.6	1.832	2.815	5.3	19.2
5 1	12 52.16	− 5 20.8	1.858	2.795	9.3	19.4
5 11	12 44.70	− 5 27.5	1.909	2.775	13.0	19.6

106993 2000 YC_{106} 4 9.5 59.°56 6.°3/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.94	+ 3 31.3	1.376	2.215	17.4	18.6
3 12	13 36.12	+ 4 42.2	1.327	2.234	13.5	18.4
3 22	13 29.52	+ 5 56.4	1.298	2.254	9.5	18.3
4 1	13 20.96	+ 7 4.5	1.294	2.273	6.6	18.1
4 11	13 11.69	+ 7 56.8	1.314	2.293	7.1	18.2
4 21	13 2.97	+ 8 27.0	1.359	2.313	10.2	18.4
5 1	12 55.90	+ 8 32.1	1.428	2.333	13.9	18.7
5 11	12 51.21	+ 8 12.7	1.516	2.353	17.2	19.0

429649 2011 GU_3 4 9.5 52.°29 3.°3/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.92	− 1 8.5	1.800	2.620	14.7	21.1
3 12	13 34.13	− 0 30.1	1.727	2.626	11.4	20.9
3 22	13 28.05	+ 0 15.0	1.675	2.632	7.7	20.7
4 1	13 20.30	+ 1 1.5	1.650	2.637	4.2	20.5
4 11	13 11.80	+ 1 42.8	1.651	2.643	3.8	20.5
4 21	13 3.55	+ 2 13.4	1.679	2.649	7.1	20.7
5 1	12 56.50	+ 2 29.1	1.733	2.656	10.9	20.9
5 11	12 51.34	+ 2 28.0	1.810	2.662	14.2	21.1

111207 2001 WZ_{29} 4 9.5 179.°87 0.°9/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.22	− 8 2.5	2.477	3.262	12.2	21.4
3 12	13 33.77	− 7 20.4	2.385	3.264	9.5	21.2
3 22	13 27.54	− 6 27.9	2.316	3.265	6.3	21.0
4 1	13 20.01	− 5 28.4	2.276	3.265	2.9	20.8
4 11	13 11.86	− 4 26.5	2.265	3.265	1.3	20.6
4 21	13 3.85	− 3 27.4	2.284	3.264	4.7	20.9
5 1	12 56.69	− 2 35.9	2.332	3.262	8.0	21.1
5 11	12 50.97	− 1 55.8	2.405	3.260	11.0	21.3

260997 2005 SG_{89} 4 9.5 111.°77 0.°5/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.19	−12 5.7	2.498	3.278	12.3	20.7
3 12	13 30.68	−11 42.3	2.407	3.280	9.7	20.5
3 22	13 25.48	−11 7.1	2.339	3.282	6.6	20.3
4 1	13 19.05	−10 22.4	2.298	3.284	3.3	20.1
4 11	13 12.04	− 9 31.8	2.285	3.286	0.6	19.9
4 21	13 5.15	− 8 39.9	2.301	3.289	3.9	20.2
5 1	12 59.07	− 7 51.3	2.346	3.291	7.2	20.4
5 11	12 54.35	− 7 10.4	2.416	3.293	10.2	20.6

374396 2005 VC_{48} 4 9.5 280.°40 0.°2/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.06	−10 30.9	1.850	2.648	15.3	21.9
3 12	13 33.84	−10 0.3	1.738	2.622	12.2	21.6
3 22	13 28.19	− 9 13.7	1.647	2.597	8.4	21.3
4 1	13 20.54	− 8 13.3	1.581	2.570	4.0	21.0
4 11	13 11.74	− 7 4.4	1.542	2.544	0.8	20.7
4 21	13 2.82	− 5 53.9	1.531	2.517	5.7	21.0
5 1	12 54.87	− 4 49.6	1.547	2.490	10.3	21.2
5 11	12 48.81	− 3 58.1	1.586	2.463	14.5	21.4

189331 2007 DR_{77} 4 9.5 82.°38 2.°7/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.88	−15 55.1	1.335	2.131	20.1	20.2
3 12	13 37.41	−15 57.6	1.263	2.141	16.3	19.9
3 22	13 30.78	−15 37.9	1.210	2.151	11.6	19.7
4 1	13 21.73	−14 56.8	1.178	2.161	6.5	19.4
4 11	13 11.56	−13 59.0	1.172	2.171	2.7	19.2
4 21	13 1.72	−12 52.7	1.190	2.181	6.1	19.4
5 1	12 53.60	−11 47.6	1.233	2.190	11.0	19.7
5 11	12 48.15	−10 52.7	1.298	2.200	15.5	20.0

339036 2004 HU_{66} 4 9.5 46.°07 1.°2/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.65	− 5 8.7	1.982	2.787	14.1	20.7
3 12	13 34.46	− 5 0.5	1.907	2.797	11.0	20.5
3 22	13 28.16	− 4 44.7	1.855	2.808	7.3	20.3
4 1	13 20.33	− 4 24.3	1.829	2.819	3.4	20.1
4 11	13 11.83	− 4 3.5	1.831	2.831	1.6	20.0
4 21	13 3.57	− 3 46.5	1.860	2.842	5.3	20.3
5 1	12 56.42	− 3 37.2	1.917	2.854	9.1	20.5
5 11	12 51.04	− 3 38.1	1.997	2.866	12.3	20.7

506445 2001 QE_{105} 4 9.5 186.°30 0.°1/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.83	−10 41.6	3.039	3.810	10.5	22.0
3 12	13 31.61	−10 13.3	2.940	3.809	8.2	21.8
3 22	13 25.95	− 9 35.7	2.865	3.808	5.6	21.6
4 1	13 19.24	− 8 50.7	2.819	3.807	2.7	21.4
4 11	13 12.02	− 8 1.8	2.803	3.804	0.4	21.2
4 21	13 4.89	− 7 12.4	2.817	3.802	3.5	21.5
5 1	12 58.43	− 6 26.6	2.861	3.798	6.4	21.7
5 11	12 53.12	− 5 47.7	2.931	3.795	9.0	21.8

412178 2013 GW_{94} 4 9.5 315.°42 0.°3/ 9.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.85	−11 13.5	1.393	2.212	18.3	21.2
3 12	13 32.66	−10 32.3	1.307	2.204	14.5	20.9
3 22	13 27.62	− 9 29.7	1.241	2.196	9.9	20.6
4 1	13 20.31	− 8 9.8	1.198	2.188	4.6	20.3
4 11	13 11.83	− 6 40.4	1.179	2.181	1.1	20.0
4 21	13 3.46	− 5 11.8	1.187	2.174	6.7	20.4
5 1	12 56.49	− 3 54.4	1.218	2.168	11.9	20.6
5 11	12 51.89	− 2 56.2	1.271	2.162	16.5	20.9

502436 2015 BY_{275} 4 9.5 113.°36 3.°4/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.88	− 0 16.8	2.238	3.047	12.6	22.3
3 12	13 33.52	+ 0 44.3	2.172	3.065	9.7	22.1
3 22	13 27.34	+ 1 50.8	2.130	3.083	6.5	22.0
4 1	13 19.89	+ 2 57.0	2.116	3.100	3.9	21.8
4 11	13 11.94	+ 3 57.0	2.130	3.117	3.9	21.9
4 21	13 4.26	+ 4 45.6	2.174	3.133	6.6	22.1
5 1	12 57.59	+ 5 19.2	2.244	3.148	9.6	22.3
5 11	12 52.47	+ 5 36.1	2.337	3.163	12.3	22.5

210887 2001 SL_{93} 4 9.5 232.°80 2.°5/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.50	−16 27.4	2.432	3.187	13.2	21.5
3 12	13 34.25	−16 40.7	2.329	3.181	10.8	21.3
3 22	13 28.04	−16 41.3	2.248	3.174	7.9	21.1
4 1	13 20.33	−16 29.3	2.192	3.167	4.7	20.9
4 11	13 11.84	−16 6.4	2.165	3.160	2.5	20.8
4 21	13 3.38	−15 35.9	2.167	3.153	4.2	20.8
5 1	12 55.75	−15 2.0	2.197	3.146	7.4	21.0
5 11	12 49.65	−14 29.8	2.252	3.138	10.5	21.2

351563 2005 UU_{60} 4 9.5 334.°40 2.°6/ 7.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.79	− 4 3.3	1.174	2.015	19.6	21.1
3 12	13 36.25	− 3 48.3	1.097	2.007	15.5	20.8
3 22	13 30.34	− 3 21.3	1.038	1.999	10.4	20.4
4 1	13 21.68	− 2 47.5	1.001	1.992	5.0	20.1
4 11	13 11.59	− 2 14.5	0.987	1.986	3.2	20.0
4 21	13 1.62	− 1 50.4	0.997	1.981	8.4	20.3
5 1	12 53.37	− 1 42.0	1.029	1.976	13.9	20.5
5 11	12 47.95	− 1 52.9	1.081	1.972	18.7	20.8

275709 2000 WJ_{31} 4 9.5 44.°96 7.°8/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.79	+ 9 10.6	1.502	2.338	16.3	19.6
3 12	13 35.76	+10 16.3	1.458	2.359	13.0	19.4
3 22	13 29.15	+11 18.5	1.435	2.380	9.8	19.3
4 1	13 20.78	+12 8.2	1.436	2.402	7.9	19.2
4 11	13 11.80	+12 37.6	1.462	2.424	8.5	19.3
4 21	13 3.37	+12 42.5	1.512	2.446	11.0	19.5
5 1	12 56.50	+12 21.9	1.585	2.469	14.0	19.8
5 11	12 51.84	+11 38.3	1.678	2.492	16.8	20.0

390024 2012 UQ_{31} 4 9.5 147.°58 3.°9/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.27	−23 25.1	2.601	3.321	13.3	21.4
3 12	13 32.35	−23 25.4	2.506	3.327	11.1	21.2
3 22	13 26.64	−23 8.9	2.431	3.332	8.6	21.0
4 1	13 19.62	−22 35.5	2.382	3.337	5.9	20.9
4 11	13 11.98	−21 47.2	2.360	3.342	4.0	20.8
4 21	13 4.47	−20 47.5	2.367	3.347	4.5	20.8
5 1	12 57.81	−19 41.8	2.402	3.351	6.8	20.9
5 11	12 52.60	−18 35.9	2.463	3.355	9.5	21.1

300229 2006 XF_{73} 4 9.5 140.°08 0.°9/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.21	−12 47.5	2.773	3.540	11.5	21.8
3 12	13 32.05	−12 37.5	2.683	3.547	9.1	21.6
3 22	13 26.30	−12 17.2	2.617	3.555	6.3	21.4
4 1	13 19.43	−11 48.2	2.577	3.561	3.3	21.2
4 11	13 12.02	−11 13.1	2.567	3.568	0.9	21.1
4 21	13 4.75	−10 35.6	2.587	3.574	3.5	21.3
5 1	12 58.24	− 9 59.4	2.635	3.580	6.5	21.5
5 11	12 53.00	− 9 28.2	2.710	3.586	9.2	21.7

39466 1978 RX_6 4 9.5 241.°08 2.°9/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.20	− 4 26.0	1.764	2.579	15.2	20.0
3 12	13 34.65	− 3 25.1	1.671	2.567	11.9	19.8
3 22	13 28.64	− 2 11.2	1.599	2.555	8.0	19.5
4 1	13 20.71	− 0 50.0	1.553	2.543	4.0	19.3
4 11	13 11.78	+ 0 30.5	1.535	2.530	3.5	19.2
4 21	13 2.90	+ 1 42.2	1.545	2.517	7.4	19.4
5 1	12 55.16	+ 2 37.8	1.579	2.503	11.6	19.6
5 11	12 49.38	+ 3 13.0	1.637	2.488	15.5	19.8

309737 2008 SJ_{236} 4 9.5 104.°00 0.°3/10.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 21.02	−12 24.1	12.817	13.571	2.8	23.8
3 12	13 19.29	−12 14.7	12.729	13.586	2.2	23.7
3 22	13 17.28	−12 3.2	12.667	13.601	1.5	23.7
4 1	13 15.08	−11 50.0	12.633	13.616	0.8	23.6
4 11	13 12.81	−11 35.7	12.631	13.631	0.3	23.5
4 21	13 10.56	−11 20.9	12.658	13.646	0.8	23.6
5 1	13 8.43	−11 6.3	12.716	13.661	1.5	23.7
5 11	13 6.52	−10 52.4	12.801	13.675	2.2	23.8

116988 2004 HM_{34} 4 9.5 229.°37 1.°1/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.09	− 8 15.2	2.206	3.000	13.3	19.9
3 12	13 33.26	− 7 25.8	2.105	2.989	10.4	19.7
3 22	13 27.43	− 6 23.5	2.026	2.977	6.9	19.4
4 1	13 20.06	− 5 12.1	1.974	2.965	3.2	19.2
4 11	13 11.90	− 3 57.2	1.952	2.952	1.6	19.0
4 21	13 3.79	− 2 45.0	1.958	2.938	5.3	19.2
5 1	12 56.57	− 1 41.9	1.993	2.924	9.1	19.4
5 11	12 50.93	− 0 52.5	2.052	2.910	12.5	19.6

302310 2001 YZ_{160} 4 9.5 180.°78 2.°3/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.48	− 0 43.0	2.847	3.645	10.5	21.5
3 12	13 32.94	− 0 14.5	2.759	3.646	8.1	21.4
3 22	13 26.86	+ 0 17.9	2.695	3.646	5.4	21.2
4 1	13 19.68	+ 0 51.0	2.660	3.646	2.9	21.0
4 11	13 11.99	+ 1 21.0	2.654	3.646	2.7	21.0
4 21	13 4.41	+ 1 44.5	2.678	3.645	5.1	21.2
5 1	12 57.57	+ 1 58.9	2.731	3.644	7.8	21.3
5 11	12 51.96	+ 2 2.3	2.809	3.642	10.2	21.5

281766 2009 FM_{74} 4 9.5 244.°16 4.°6/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.62	+ 3 56.9	2.319	3.138	11.8	20.3
3 12	13 31.12	+ 5 3.1	2.238	3.135	9.2	20.1
3 22	13 25.84	+ 6 12.6	2.181	3.131	6.6	20.0
4 1	13 19.26	+ 7 19.5	2.151	3.127	4.8	19.8
4 11	13 12.06	+ 8 17.6	2.150	3.123	5.3	19.9
4 21	13 5.00	+ 9 1.8	2.176	3.119	7.6	20.0
5 1	12 58.79	+ 9 28.6	2.228	3.115	10.4	20.2
5 11	12 54.02	+ 9 36.7	2.303	3.111	13.0	20.3

129575 1997 LM 4 9.5 269.°26 8.°1/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.67	+14 46.1	2.183	2.996	12.7	19.6
3 12	13 35.33	+15 57.2	2.097	2.976	10.6	19.4
3 22	13 28.85	+17 4.5	2.034	2.956	8.8	19.3
4 1	13 20.74	+18 0.1	1.996	2.935	8.1	19.2
4 11	13 11.79	+18 36.9	1.985	2.914	9.0	19.2
4 21	13 2.90	+18 50.3	2.000	2.893	11.0	19.3
5 1	12 54.99	+18 38.2	2.038	2.871	13.5	19.4
5 11	12 48.77	+18 1.6	2.096	2.849	15.8	19.5

102656 1999 VY_{54} 4 9.5 285.°69 0.°3/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.65	− 9 47.5	1.594	2.402	16.8	19.9
3 12	13 34.69	− 9 24.9	1.491	2.382	13.4	19.6
3 22	13 28.97	− 8 45.8	1.408	2.361	9.2	19.3
4 1	13 21.00	− 7 52.8	1.350	2.340	4.3	19.0
4 11	13 11.72	− 6 51.6	1.317	2.319	1.0	18.7
4 21	13 2.34	− 5 49.5	1.310	2.297	6.3	19.0
5 1	12 54.12	− 4 54.9	1.329	2.276	11.4	19.2
5 11	12 48.10	− 4 14.8	1.370	2.255	15.9	19.4

197565 2004 GG_{9} 4 9.5 288.°88 0.°6/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.37	−10 6.7	1.360	2.174	18.9	20.2
3 12	13 37.37	−10 11.5	1.263	2.156	15.2	19.9
3 22	13 31.12	−10 0.5	1.186	2.138	10.6	19.6
4 1	13 22.13	− 9 35.1	1.130	2.119	5.2	19.2
4 11	13 11.51	− 8 59.7	1.099	2.101	0.9	18.9
4 21	13 0.73	− 8 20.9	1.093	2.083	6.7	19.2
5 1	12 51.35	− 7 46.7	1.111	2.065	12.4	19.4
5 11	12 44.62	− 7 24.5	1.150	2.047	17.4	19.7

480440 2015 KY_{134} 4 9.5 290.°98 0.°9/ 8.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.37	− 6 12.0	2.292	3.087	12.8	22.0
3 12	13 34.37	− 6 0.7	2.173	3.057	10.1	21.8
3 22	13 28.29	− 5 41.0	2.076	3.026	6.8	21.5
4 1	13 20.54	− 5 15.2	2.006	2.996	3.2	21.2
4 11	13 11.82	− 4 47.0	1.964	2.965	1.3	21.0
4 21	13 2.95	− 4 20.6	1.951	2.933	5.1	21.2
5 1	12 54.84	− 4 0.4	1.966	2.902	9.0	21.4
5 11	12 48.25	− 3 50.0	2.006	2.870	12.5	21.5

117199 2004 RM_{173} 4 9.5 209.°74 1.°2/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.32	−14 16.0	1.913	2.690	15.6	20.7
3 12	13 36.17	−13 52.1	1.815	2.684	12.5	20.5
3 22	13 29.60	−13 10.7	1.737	2.677	8.8	20.2
4 1	13 21.15	−12 13.6	1.685	2.669	4.6	20.0
4 11	13 11.72	−11 5.2	1.660	2.661	1.2	19.7
4 21	13 2.36	− 9 52.0	1.664	2.652	5.0	19.9
5 1	12 54.12	− 8 41.6	1.695	2.642	9.3	20.2
5 11	12 47.81	− 7 41.0	1.751	2.632	13.2	20.4

215157 1999 XY_{251} 4 9.5 195.°42 0.°4/ 9.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.80	−11 59.3	2.175	2.952	14.0	22.1
3 12	13 35.38	−11 30.1	2.077	2.949	11.1	21.9
3 22	13 28.85	−10 46.8	2.003	2.946	7.6	21.7
4 1	13 20.73	− 9 51.7	1.954	2.942	3.7	21.4
4 11	13 11.81	− 8 49.4	1.935	2.937	0.6	21.2
4 21	13 3.00	− 7 45.6	1.945	2.931	4.6	21.5
5 1	12 55.17	− 6 46.2	1.983	2.925	8.5	21.7
5 11	12 49.02	− 5 56.8	2.046	2.917	12.0	21.9

163175 2002 CB_{239} 4 9.5 39.°24 0.°6/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.74	−12 7.8	1.226	2.048	20.1	19.8
3 12	13 34.24	−11 45.7	1.163	2.060	15.9	19.6
3 22	13 28.64	−11 2.4	1.119	2.072	10.9	19.3
4 1	13 20.74	−10 1.8	1.096	2.086	5.3	19.0
4 11	13 11.82	− 8 51.7	1.098	2.100	0.9	18.8
4 21	13 3.33	− 7 41.7	1.124	2.114	6.4	19.2
5 1	12 56.57	− 6 41.6	1.174	2.129	11.6	19.5
5 11	12 52.40	− 5 58.3	1.245	2.145	16.1	19.8

382659 2002 TK_{61} 4 9.5 161.°15 2.°7/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.52	−19 52.9	2.388	3.135	13.7	20.6
3 12	13 31.89	−19 33.8	2.293	3.137	11.2	20.4
3 22	13 26.40	−18 57.5	2.219	3.140	8.3	20.2
4 1	13 19.54	−18 4.9	2.171	3.143	5.1	20.0
4 11	13 12.03	−16 59.1	2.151	3.145	2.8	19.8
4 21	13 4.66	−15 45.1	2.159	3.147	4.1	19.9
5 1	12 58.19	−14 29.0	2.196	3.148	7.2	20.1
5 11	12 53.22	−13 17.2	2.260	3.150	10.3	20.3

196458 2003 HS_{52} 4 9.5 325.°90 1.°0/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.70	− 8 37.9	1.548	2.369	16.7	20.2
3 12	13 31.49	− 8 2.4	1.458	2.357	13.1	19.9
3 22	13 26.70	− 7 10.6	1.388	2.344	8.9	19.7
4 1	13 19.87	− 6 6.4	1.341	2.333	4.1	19.3
4 11	13 11.96	− 4 56.8	1.321	2.322	1.6	19.1
4 21	13 4.11	− 3 50.1	1.326	2.311	6.5	19.4
5 1	12 57.47	− 2 54.4	1.356	2.301	11.3	19.7
5 11	12 52.95	− 2 15.9	1.407	2.292	15.6	19.9

504151 2006 SA_{220} 4 9.5 173.°98 0.°0/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.24	−10 1.9	2.856	3.631	11.0	22.7
3 12	13 32.03	− 9 40.7	2.761	3.633	8.6	22.5
3 22	13 26.29	− 9 10.4	2.691	3.635	5.8	22.3
4 1	13 19.44	− 8 33.1	2.649	3.637	2.8	22.1
4 11	13 12.07	− 7 52.0	2.636	3.638	0.5	21.9
4 21	13 4.80	− 7 10.7	2.654	3.639	3.7	22.2
5 1	12 58.25	− 6 33.1	2.700	3.639	6.7	22.4
5 11	12 52.92	− 6 2.5	2.773	3.639	9.4	22.5

503915 2002 QD_{71} 4 9.5 213.°25 2.°2/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.10	−16 1.9	2.396	3.154	13.3	22.6
3 12	13 33.94	−16 4.1	2.295	3.150	10.8	22.4
3 22	13 27.83	−15 52.8	2.215	3.145	7.8	22.2
4 1	13 20.25	−15 28.7	2.162	3.140	4.5	22.0
4 11	13 11.91	−14 54.1	2.137	3.134	2.2	21.8
4 21	13 3.63	−14 12.7	2.141	3.128	4.1	21.9
5 1	12 56.20	−13 29.5	2.173	3.122	7.4	22.1
5 11	12 50.31	−12 49.5	2.231	3.116	10.6	22.3

486709 2014 AN_{43} 4 9.5 59.°41 22.°2/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 46.35	+36 31.5	1.096	1.898	23.3	20.4
3 12	13 42.54	+39 16.5	1.084	1.906	22.4	20.4
3 22	13 34.47	+41 22.7	1.088	1.915	22.2	20.4
4 1	13 23.41	+42 34.1	1.106	1.924	22.7	20.4
4 11	13 11.41	+42 42.6	1.138	1.933	23.8	20.5
4 21	13 0.51	+41 49.5	1.184	1.942	25.1	20.7
5 1	12 52.34	+40 2.8	1.241	1.951	26.5	20.8
5 11	12 47.68	+37 34.9	1.308	1.961	27.8	21.0

300215 2006 WC_{180} 4 9.5 220.°69 2.°0/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.98	− 2 27.5	2.899	3.695	10.3	22.1
3 12	13 31.84	− 1 52.1	2.799	3.686	8.0	21.9
3 22	13 26.18	− 1 11.2	2.725	3.676	5.4	21.7
4 1	13 19.41	− 0 28.0	2.679	3.666	2.8	21.6
4 11	13 12.08	+ 0 13.5	2.662	3.656	2.4	21.5
4 21	13 4.81	+ 0 49.6	2.675	3.645	4.9	21.7
5 1	12 58.20	+ 1 17.1	2.717	3.633	7.7	21.8
5 11	12 52.77	+ 1 33.5	2.784	3.621	10.2	22.0

96902 1999 TH_{81} 4 9.5 298.°48 2.°7/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.52	− 2 19.9	1.889	2.705	14.3	20.0
3 12	13 33.88	− 1 47.8	1.801	2.698	11.1	19.7
3 22	13 27.98	− 1 8.0	1.735	2.691	7.5	19.5
4 1	13 20.37	− 0 25.1	1.695	2.684	3.9	19.2
4 11	13 11.90	+ 0 14.9	1.682	2.677	3.3	19.2
4 21	13 3.54	+ 0 46.6	1.697	2.671	6.7	19.4
5 1	12 56.25	+ 1 5.3	1.738	2.664	10.6	19.6
5 11	12 50.78	+ 1 8.2	1.801	2.658	14.0	19.8

413737 2006 BL_{216} 4 9.5 74.°96 7.°7/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.61	+10 49.9	1.803	2.628	14.5	20.6
3 12	13 35.27	+12 8.2	1.754	2.647	11.6	20.4
3 22	13 28.69	+13 22.6	1.729	2.666	9.0	20.3
4 1	13 20.57	+14 24.6	1.729	2.685	7.7	20.3
4 11	13 11.89	+15 6.9	1.755	2.704	8.5	20.4
4 21	13 3.65	+15 25.2	1.806	2.722	10.7	20.5
5 1	12 56.71	+15 18.4	1.881	2.741	13.3	20.7
5 11	12 51.72	+14 48.4	1.975	2.759	15.7	20.9

502535 2015 BF_{442} 4 9.5 191.°90 1.°9/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.31	−14 34.3	2.125	2.895	14.5	21.9
3 12	13 35.10	−14 38.5	2.031	2.894	11.6	21.7
3 22	13 28.72	−14 28.8	1.958	2.893	8.3	21.4
4 1	13 20.70	−14 6.1	1.911	2.892	4.6	21.2
4 11	13 11.85	−13 33.2	1.892	2.891	1.9	21.0
4 21	13 3.09	−12 54.3	1.901	2.889	4.5	21.2
5 1	12 55.34	−12 14.7	1.937	2.887	8.2	21.4
5 11	12 49.32	−11 39.7	1.999	2.885	11.6	21.6

353689 2011 UT_{309} 4 9.5 209.°54 3.°6/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.85	−21 15.5	2.692	3.421	12.7	21.6
3 12	13 32.81	−21 30.9	2.590	3.418	10.6	21.4
3 22	13 26.99	−21 32.1	2.508	3.415	8.1	21.2
4 1	13 19.84	−21 18.8	2.453	3.413	5.5	21.1
4 11	13 12.01	−20 52.2	2.425	3.409	3.7	20.9
4 21	13 4.22	−20 15.1	2.425	3.406	4.4	21.0
5 1	12 57.20	−19 31.8	2.454	3.403	6.8	21.1
5 11	12 51.57	−18 47.2	2.510	3.399	9.4	21.3

462180 2007 TL_{368} 4 9.5 187.°54 2.°0/11.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.53	−15 39.5	2.248	3.003	14.2	22.4
3 12	13 37.49	−15 34.2	2.149	3.003	11.5	22.2
3 22	13 30.28	−15 14.2	2.072	3.002	8.2	21.9
4 1	13 21.42	−14 40.3	2.021	3.000	4.6	21.7
4 11	13 11.73	−13 55.4	1.998	2.997	2.0	21.5
4 21	13 2.12	−13 4.0	2.006	2.993	4.4	21.7
5 1	12 53.52	−12 11.7	2.042	2.988	8.0	21.9
5 11	12 46.65	−11 24.3	2.103	2.982	11.4	22.1

102202 1999 SC_{17} 4 9.5 300.°21 8.°2/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 37.73	−28 40.5	1.845	2.560	18.2	19.1
3 12	13 34.82	−29 33.8	1.735	2.540	15.9	18.9
3 22	13 29.14	−30 5.4	1.643	2.521	13.3	18.7
4 1	13 21.14	−30 10.7	1.571	2.502	10.5	18.4
4 11	13 11.74	−29 47.7	1.523	2.483	8.5	18.3
4 21	13 2.15	−28 58.0	1.500	2.464	8.5	18.2
5 1	12 53.66	−27 47.6	1.501	2.445	10.6	18.3
5 11	12 47.37	−26 26.2	1.526	2.427	13.6	18.4

367033 2006 CV_{58} 4 9.5 144.°30 3.°2/ 5.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.78	+ 0 34.3	2.654	3.454	11.1	22.7
3 12	13 33.96	+ 1 30.9	2.580	3.468	8.5	22.5
3 22	13 27.55	+ 2 31.6	2.532	3.482	5.8	22.4
4 1	13 20.01	+ 3 31.8	2.512	3.495	3.5	22.3
4 11	13 12.01	+ 4 26.4	2.523	3.507	3.6	22.3
4 21	13 4.22	+ 5 11.2	2.563	3.518	6.0	22.4
5 1	12 57.27	+ 5 43.0	2.631	3.529	8.6	22.6
5 11	12 51.68	+ 6 0.2	2.724	3.539	11.0	22.8

6259 Maillol 4 9.5 5.°71 2.°4/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 39.97	− 3 17.3	1.125	1.968	20.2	16.4
3 12	13 37.18	− 3 18.8	1.057	1.968	15.8	16.2
3 22	13 30.93	− 3 10.8	1.007	1.968	10.7	15.9
4 1	13 21.96	− 2 58.2	0.978	1.970	5.1	15.5
4 11	13 11.64	− 2 47.4	0.973	1.972	2.9	15.4
4 21	13 1.63	− 2 44.9	0.991	1.976	8.2	15.7
5 1	12 53.48	− 2 55.8	1.031	1.981	13.6	16.0
5 11	12 48.25	− 3 22.7	1.091	1.986	18.3	16.3

11948 Justinehénin 4 9.5 330.°04 0.°6/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 33.81	− 8 17.8	2.100	2.903	13.5	17.9
3 12	13 30.80	− 7 50.9	2.007	2.896	10.6	17.7
3 22	13 25.82	− 7 12.7	1.936	2.888	7.1	17.5
4 1	13 19.34	− 6 26.3	1.890	2.881	3.3	17.2
4 11	13 12.12	− 5 36.4	1.873	2.874	1.1	17.0
4 21	13 4.98	− 4 48.3	1.883	2.867	5.0	17.3
5 1	12 58.74	− 4 7.3	1.920	2.861	8.8	17.5
5 11	12 54.09	− 3 37.8	1.981	2.855	12.2	17.7

343482 2010 EX_{84} 4 9.5 23.°29 0.°7/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 37.30	−11 1.6	1.931	2.724	14.9	21.2
3 12	13 33.66	−10 57.1	1.846	2.726	11.8	21.0
3 22	13 27.80	−10 39.9	1.782	2.728	8.1	20.8
4 1	13 20.28	−10 12.0	1.744	2.731	4.0	20.6
4 11	13 11.96	− 9 37.2	1.732	2.734	0.8	20.3
4 21	13 3.79	− 9 0.6	1.749	2.737	4.8	20.6
5 1	12 56.71	− 8 27.4	1.792	2.740	8.8	20.9
5 11	12 51.43	− 8 2.3	1.859	2.744	12.4	21.1

35659 1998 QU_{10} 4 9.5 283.°70 2.°2/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.71	−16 18.4	2.458	3.218	13.0	18.7
3 12	13 32.05	−16 21.7	2.356	3.212	10.5	18.5
3 22	13 26.56	−16 11.8	2.276	3.205	7.6	18.3
4 1	13 19.67	−15 49.4	2.222	3.199	4.5	18.1
4 11	13 12.07	−15 16.7	2.196	3.193	2.2	17.9
4 21	13 4.51	−14 37.2	2.199	3.186	4.0	18.0
5 1	12 57.76	−13 55.6	2.229	3.180	7.2	18.2
5 11	12 52.44	−13 16.9	2.285	3.174	10.2	18.4

18380 1991 VZ_8 4 9.5 181.°13 2.°2/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 39.37	− 2 57.0	2.298	3.097	12.6	19.5
3 12	13 34.82	− 2 24.7	2.210	3.098	9.8	19.3
3 22	13 28.36	− 1 45.8	2.147	3.099	6.5	19.1
4 1	13 20.48	− 1 3.9	2.110	3.099	3.3	18.9
4 11	13 11.93	− 0 24.1	2.103	3.098	2.6	18.9
4 21	13 3.53	+ 0 9.3	2.125	3.097	5.7	19.0
5 1	12 56.06	+ 0 32.3	2.174	3.096	9.0	19.2
5 11	12 50.14	+ 0 42.4	2.248	3.094	12.0	19.4

259122 2002 XH_{29} 4 9.5 64.°73 13.°5/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 39.45	+25 22.0	1.659	2.471	16.1	19.4
3 12	13 35.65	+27 29.1	1.625	2.480	14.5	19.3
3 22	13 29.20	+29 19.0	1.612	2.488	13.6	19.3
4 1	13 20.90	+30 39.9	1.621	2.497	13.7	19.3
4 11	13 11.88	+31 24.0	1.652	2.506	14.8	19.4
4 21	13 3.34	+31 28.4	1.702	2.515	16.4	19.5
5 1	12 56.32	+30 55.0	1.771	2.524	18.2	19.7
5 11	12 51.54	+29 49.3	1.854	2.533	19.9	19.9

305958 2009 HE_{45} 4 9.5 321.°80 2.°7/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.81	− 1 48.5	1.967	2.786	13.7	20.3
3 12	13 32.53	− 1 21.8	1.873	2.771	10.7	20.1
3 22	13 27.09	− 0 48.3	1.802	2.758	7.2	19.8
4 1	13 19.98	− 0 12.4	1.755	2.744	3.8	19.6
4 11	13 12.02	+ 0 20.6	1.737	2.731	3.2	19.5
4 21	13 4.11	+ 0 45.6	1.745	2.719	6.6	19.7
5 1	12 57.16	+ 0 58.3	1.779	2.707	10.3	19.9
5 11	12 51.93	+ 0 56.0	1.836	2.695	13.7	20.1

345782 2007 ES_{192} 4 9.5 291.°07 2.°1/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 42.82	−12 10.3	1.818	2.600	16.1	21.0
3 12	13 38.49	−12 45.0	1.711	2.583	13.0	20.8
3 22	13 31.45	−13 8.8	1.626	2.566	9.3	20.5
4 1	13 22.19	−13 21.4	1.566	2.549	5.2	20.2
4 11	13 11.62	−13 23.9	1.532	2.532	2.1	20.0
4 21	13 0.90	−13 19.3	1.526	2.515	5.3	20.2
5 1	12 51.26	−13 12.0	1.547	2.498	9.8	20.4
5 11	12 43.71	−13 7.2	1.592	2.481	13.9	20.6

143375 2003 BG_{13} 4 9.5 334.°53 5.°3/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 33.91	+ 4 30.6	2.038	2.866	12.9	19.4
3 12	13 30.85	+ 5 42.7	1.960	2.862	10.1	19.2
3 22	13 25.82	+ 6 58.2	1.906	2.857	7.3	19.0
4 1	13 19.33	+ 8 10.2	1.878	2.853	5.4	18.9
4 11	13 12.16	+ 9 11.6	1.878	2.849	6.1	18.9
4 21	13 5.13	+ 9 56.4	1.904	2.846	8.6	19.1
5 1	12 59.07	+10 20.9	1.955	2.842	11.6	19.2
5 11	12 54.61	+10 24.1	2.027	2.839	14.4	19.4

231189 2005 UH_{360} 4 9.5 144.°07 3.°7/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.90	−19 27.2	2.028	2.781	15.6	20.2
3 12	13 34.96	−19 43.0	1.936	2.783	12.9	20.0
3 22	13 28.73	−19 41.7	1.864	2.785	9.6	19.8
4 1	13 20.76	−19 22.8	1.817	2.786	6.2	19.6
4 11	13 11.90	−18 48.2	1.797	2.788	3.8	19.5
4 21	13 3.16	−18 2.1	1.804	2.790	5.0	19.5
5 1	12 55.49	−17 10.4	1.839	2.791	8.3	19.7
5 11	12 49.68	−16 20.0	1.898	2.793	11.7	19.9

381560 2008 TT_{116} 4 9.5 227.°50 3.°9/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 40.52	−20 14.4	2.330	3.066	14.3	21.7
3 12	13 36.04	−20 38.2	2.222	3.057	11.9	21.5
3 22	13 29.41	−20 47.0	2.136	3.048	9.0	21.3
4 1	13 21.09	−20 39.8	2.075	3.038	6.1	21.1
4 11	13 11.84	−20 17.5	2.041	3.029	4.0	20.9
4 21	13 2.56	−19 43.1	2.036	3.018	4.9	21.0
5 1	12 54.18	−19 1.2	2.059	3.008	7.8	21.1
5 11	12 47.47	−18 17.9	2.108	2.996	11.0	21.3

278578 2008 HD_{62} 4 9.5 235.°94 3.°2/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.19	− 1 41.6	2.082	2.892	13.4	21.4
3 12	13 34.24	− 0 50.7	1.987	2.882	10.4	21.2
3 22	13 28.16	+ 0 8.3	1.916	2.870	7.0	20.9
4 1	13 20.47	+ 1 10.4	1.871	2.858	3.9	20.7
4 11	13 11.95	+ 2 9.1	1.855	2.846	3.7	20.7
4 21	13 3.49	+ 2 58.5	1.867	2.833	6.9	20.8
5 1	12 55.99	+ 3 33.5	1.905	2.820	10.4	21.0
5 11	12 50.16	+ 3 51.3	1.966	2.806	13.7	21.2

75367 1999 XV_{82} 4 9.5 187.°91 4.°7/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 41.01	−24 38.0	2.310	3.023	15.0	19.6
3 12	13 36.41	−24 43.5	2.207	3.022	12.6	19.4
3 22	13 29.62	−24 29.6	2.125	3.021	9.9	19.2
4 1	13 21.15	−23 55.3	2.067	3.019	7.0	19.0
4 11	13 11.84	−23 1.8	2.036	3.016	4.9	18.9
4 21	13 2.61	−21 53.3	2.034	3.012	5.3	18.9
5 1	12 54.40	−20 36.1	2.060	3.008	7.9	19.0
5 11	12 47.93	−19 17.7	2.113	3.003	10.9	19.2

199348 2006 BW_{162} 4 9.5 256.°38 2.°7/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.46	− 3 19.6	1.995	2.808	13.8	20.4
3 12	13 32.96	− 2 31.1	1.904	2.800	10.7	20.2
3 22	13 27.33	− 1 33.1	1.836	2.792	7.2	20.0
4 1	13 20.09	− 0 30.7	1.794	2.783	3.7	19.7
4 11	13 12.03	+ 0 29.8	1.781	2.775	3.2	19.7
4 21	13 4.08	+ 1 22.1	1.795	2.766	6.6	19.9
5 1	12 57.11	+ 2 0.9	1.835	2.758	10.3	20.1
5 11	12 51.84	+ 2 22.9	1.898	2.749	13.7	20.3

15117 2000 DA_{79} 4 9.5 232.°16 0.°7/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.61	− 8 32.1	2.438	3.228	12.2	18.1
3 12	13 31.92	− 7 53.1	2.337	3.219	9.6	17.9
3 22	13 26.44	− 7 3.1	2.260	3.209	6.4	17.7
4 1	13 19.62	− 6 5.2	2.209	3.199	2.9	17.4
4 11	13 12.12	− 5 3.8	2.188	3.189	1.1	17.3
4 21	13 4.68	− 4 4.3	2.196	3.178	4.6	17.5
5 1	12 58.03	− 3 11.7	2.233	3.167	8.1	17.7
5 11	12 52.78	− 2 30.1	2.294	3.156	11.2	17.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
275320 2010 UY_{36}			4 9.5	180.°52	4.°7/16.4	17
	h m	° ′			°	m
3 2	13 34.07	−28 37.1	3.098	3.779	12.1	20.8
3 12	13 30.48	−28 42.2	2.994	3.779	10.4	20.6
3 22	13 25.34	−28 31.0	2.910	3.779	8.4	20.5
4 1	13 19.06	−28 2.8	2.851	3.779	6.4	20.4
4 11	13 12.23	−27 18.5	2.818	3.779	5.0	20.3
4 21	13 5.48	−26 21.0	2.813	3.779	4.9	20.2
5 1	12 59.44	−25 14.5	2.837	3.779	6.3	20.3
5 11	12 54.62	−24 4.1	2.888	3.778	8.3	20.5
111220 2001 WP_{40}			4 9.5	166.°41	4.°3/ 4.7	18
3 2	13 38.84	+ 3 4.7	2.340	3.149	12.1	19.7
3 12	13 34.32	+ 4 7.3	2.263	3.155	9.4	19.5
3 22	13 27.97	+ 5 13.4	2.210	3.159	6.6	19.3
4 1	13 20.29	+ 6 17.2	2.186	3.163	4.5	19.2
4 11	13 12.02	+ 7 12.6	2.190	3.167	4.9	19.2
4 21	13 3.94	+ 7 54.9	2.223	3.169	7.3	19.4
5 1	12 56.79	+ 8 20.8	2.282	3.172	10.1	19.5
5 11	12 51.16	+ 8 28.8	2.365	3.173	12.7	19.7
507577 2013 AE_{152}			4 9.5	203.°89	2.°2/12.3	17
3 2	13 33.98	−18 19.1	2.601	3.353	12.6	21.9
3 12	13 30.57	−17 59.6	2.502	3.351	10.2	21.8
3 22	13 25.48	−17 25.1	2.425	3.350	7.4	21.6
4 1	13 19.15	−16 36.6	2.374	3.349	4.5	21.4
4 11	13 12.22	−15 37.1	2.351	3.347	2.2	21.2
4 21	13 5.39	−14 31.2	2.357	3.345	3.7	21.3
5 1	12 59.34	−13 24.0	2.392	3.344	6.7	21.5
5 11	12 54.63	−12 21.0	2.453	3.342	9.6	21.7
298802 2004 QR_{26}			4 9.5	182.°08	0.°1/ 9.4	18
3 2	13 43.49	− 8 59.4	1.788	2.580	15.9	21.6
3 12	13 38.72	− 8 48.6	1.700	2.581	12.6	21.4
3 22	13 31.36	− 8 25.4	1.634	2.582	8.6	21.1
4 1	13 22.03	− 7 52.2	1.592	2.582	4.0	20.8
4 11	13 11.72	− 7 13.7	1.579	2.581	0.8	20.6
4 21	13 1.55	− 6 35.5	1.594	2.579	5.5	20.9
5 1	12 52.64	− 6 3.3	1.635	2.577	10.0	21.2
5 11	12 45.84	− 5 42.0	1.701	2.575	13.9	21.4
340236 2006 BE_{85}			4 9.5	293.°10	0.°4/10.2	18
3 2	13 29.52	−11 2.0	4.284	5.052	7.7	20.8
3 12	13 26.42	−10 50.1	4.176	5.042	6.1	20.7
3 22	13 22.35	−10 32.0	4.093	5.033	4.2	20.5
4 1	13 17.60	−10 9.0	4.038	5.024	2.1	20.4
4 11	13 12.50	− 9 42.8	4.013	5.015	0.4	20.2
4 21	13 7.44	− 9 15.6	4.019	5.006	2.4	20.4
5 1	13 2.77	− 8 49.6	4.054	4.996	4.5	20.5
5 11	12 58.84	− 8 27.0	4.116	4.987	6.5	20.7
456094 2006 BH_{164}			4 9.5	273.°02	5.°0/19.1	18
3 2	13 33.04	−35 14.4	4.553	5.161	9.3	21.3
3 12	13 29.30	−35 44.9	4.440	5.156	8.3	21.2
3 22	13 24.38	−36 3.4	4.347	5.151	7.1	21.1
4 1	13 18.58	−36 8.7	4.277	5.147	6.0	21.0
4 11	13 12.32	−36 0.7	4.234	5.142	5.2	20.9
4 21	13 6.07	−35 40.3	4.217	5.137	5.0	20.9
5 1	13 0.27	−35 9.5	4.227	5.132	5.5	20.9
5 11	12 55.34	−34 31.3	4.264	5.127	6.4	21.0
173090 2007 RJ_{207}			4 9.5	143.°48	2.°2/ 7.5	18
3 2	13 39.55	− 5 58.6	1.781	2.589	15.4	21.0
3 12	13 35.48	− 5 1.6	1.704	2.597	11.9	20.8
3 22	13 29.04	− 3 52.1	1.651	2.605	7.9	20.5
4 1	13 20.88	− 2 35.7	1.622	2.613	3.8	20.3
4 11	13 11.93	− 1 19.9	1.622	2.620	2.7	20.2
4 21	13 3.26	− 0 12.2	1.650	2.626	6.6	20.5
5 1	12 55.82	+ 0 41.1	1.704	2.632	10.6	20.7
5 11	12 50.35	+ 1 16.0	1.781	2.637	14.2	21.0
52733 1998 HP_{21}			4 9.5	50.°57	0.°0/ 9.5	18
3 2	13 33.14	−13 12.8	1.986	2.777	14.6	19.2
3 12	13 30.23	−12 10.2	1.913	2.793	11.4	19.0
3 22	13 25.35	−10 50.7	1.862	2.809	7.7	18.8
4 1	13 19.09	− 9 18.7	1.837	2.826	3.6	18.6
4 11	13 12.25	− 7 40.9	1.841	2.842	0.6	18.4
4 21	13 5.69	− 6 5.1	1.873	2.859	4.8	18.8
5 1	13 0.17	− 4 38.7	1.933	2.876	8.6	19.0
5 11	12 56.29	− 3 27.4	2.017	2.894	11.9	19.3
156473 2002 CK_{46}			4 9.5	350.°61	12.°0/25.1	17
3 2	13 28.40	+12 40.8	1.375	2.235	16.1	18.2
3 12	13 27.58	+16 6.2	1.321	2.228	13.6	18.0
3 22	13 24.14	+19 31.6	1.292	2.222	12.1	17.9
4 1	13 18.71	+22 38.4	1.288	2.217	12.5	17.9
4 11	13 12.30	+25 10.1	1.307	2.213	14.5	18.0
4 21	13 6.10	+26 56.7	1.348	2.210	17.2	18.2
5 1	13 1.22	+27 55.0	1.407	2.208	20.0	18.4
5 11	12 58.50	+28 8.2	1.480	2.207	22.4	18.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
284896 2009 SY_{337}			4 9.5	159.°65	2.°0/11.8	17
	h m	° ′			°	m
3 2	13 37.08	−17 56.7	2.181	2.940	14.5	20.9
3 12	13 33.27	−17 25.1	2.090	2.945	11.7	20.7
3 22	13 27.43	−16 35.2	2.019	2.949	8.4	20.5
4 1	13 20.11	−15 28.8	1.975	2.953	4.8	20.2
4 11	13 12.08	−14 10.1	1.958	2.957	2.1	20.1
4 21	13 4.23	−12 45.2	1.971	2.960	4.3	20.2
5 1	12 57.38	−11 21.3	2.012	2.963	7.9	20.4
5 11	12 52.19	−10 5.1	2.079	2.965	11.2	20.6
61822 2000 QF_{192}			4 9.5	178.°44	1.°7/ 7.6	18
3 2	13 37.52	− 3 4.1	2.742	3.536	10.9	20.0
3 12	13 33.08	− 2 40.8	2.652	3.537	8.5	19.8
3 22	13 27.05	− 2 12.2	2.587	3.538	5.6	19.7
4 1	13 19.87	− 1 41.4	2.550	3.539	2.8	19.5
4 11	13 12.14	− 1 11.9	2.542	3.539	2.1	19.4
4 21	13 4.53	− 0 47.2	2.565	3.539	4.7	19.6
5 1	12 57.68	− 0 30.4	2.615	3.538	7.6	19.8
5 11	12 52.10	− 0 23.5	2.691	3.537	10.3	20.0
165260 2000 SH_{220}			4 9.5	191.°25	4.°5/ 5.5	18
3 2	13 40.83	+ 1 5.8	1.855	2.671	14.5	20.6
3 12	13 36.46	+ 2 7.2	1.774	2.670	11.3	20.4
3 22	13 29.73	+ 3 15.0	1.716	2.669	7.8	20.2
4 1	13 21.24	+ 4 22.6	1.684	2.667	4.9	20.0
4 11	13 11.90	+ 5 22.4	1.680	2.664	5.1	20.0
4 21	13 2.74	+ 6 7.8	1.703	2.660	8.2	20.2
5 1	12 54.76	+ 6 34.2	1.752	2.656	11.8	20.4
5 11	12 48.70	+ 6 39.9	1.823	2.652	15.1	20.6
240777 2005 SJ_{95}			4 9.5	265.°10	0.°5/ 8.9	18
3 2	13 35.60	− 7 59.3	2.470	3.261	12.1	21.1
3 12	13 31.92	− 7 37.7	2.368	3.250	9.5	20.9
3 22	13 26.46	− 7 6.7	2.290	3.239	6.4	20.6
4 1	13 19.67	− 6 28.9	2.238	3.228	2.9	20.4
4 11	13 12.19	− 5 48.0	2.215	3.217	0.9	20.2
4 21	13 4.74	− 5 8.3	2.222	3.205	4.4	20.5
5 1	12 58.07	− 4 34.2	2.256	3.194	7.9	20.6
5 11	12 52.78	− 4 9.2	2.315	3.183	10.9	20.8
375286 2008 KG_{37}			4 9.5	241.°00	1.°2/10.8	18
3 2	13 36.49	−15 39.2	2.145	2.916	14.3	21.4
3 12	13 32.99	−14 58.5	2.037	2.903	11.5	21.2
3 22	13 27.39	−13 59.4	1.951	2.889	8.1	20.9
4 1	13 20.17	−12 43.9	1.891	2.875	4.3	20.7
4 11	13 12.09	−11 16.4	1.859	2.860	1.2	20.4
4 21	13 4.05	− 9 43.9	1.857	2.845	4.5	20.6
5 1	12 56.92	− 8 13.9	1.883	2.830	8.5	20.8
5 11	12 51.45	− 6 53.7	1.934	2.814	12.2	21.0
300989 2008 FK_{16}			4 9.5	145.°34	1.°0/ 8.2	18
3 2	13 34.83	− 6 44.0	2.849	3.638	10.7	21.7
3 12	13 30.92	− 6 6.8	2.764	3.646	8.3	21.5
3 22	13 25.56	− 5 21.8	2.703	3.653	5.5	21.3
4 1	13 19.16	− 4 32.2	2.671	3.660	2.5	21.1
4 11	13 12.29	− 3 41.8	2.668	3.667	1.3	21.0
4 21	13 5.56	− 2 54.5	2.695	3.673	4.1	21.3
5 1	12 59.55	− 2 14.1	2.750	3.679	7.0	21.4
5 11	12 54.73	− 1 43.4	2.831	3.685	9.6	21.6
37617 1993 NN_1			4 9.5	247.°57	2.°7/11.8	17
3 2	13 41.54	−17 0.6	1.915	2.678	16.1	20.2
3 12	13 37.42	−17 0.3	1.802	2.659	13.2	20.0
3 22	13 30.70	−16 42.1	1.709	2.639	9.7	19.7
4 1	13 21.87	−16 5.6	1.640	2.618	5.7	19.4
4 11	13 11.79	−15 13.4	1.599	2.596	2.7	19.2
4 21	13 1.57	−14 10.3	1.586	2.574	5.2	19.3
5 1	12 52.39	−13 3.8	1.600	2.550	9.5	19.5
5 11	12 45.19	−12 1.7	1.638	2.526	13.6	19.7
419674 2010 TD_{172}			4 9.5	176.°79	1.°2/10.6	16
3 2	13 41.84	−13 7.0	2.203	2.970	14.1	23.1
3 12	13 36.96	−12 59.0	2.109	2.973	11.2	22.9
3 22	13 29.94	−12 37.8	2.038	2.975	7.9	22.7
4 1	13 21.32	−12 4.9	1.993	2.977	4.1	22.4
4 11	13 11.91	−11 23.6	1.976	2.977	1.2	22.2
4 21	13 2.63	−10 38.4	1.989	2.977	4.4	22.4
5 1	12 54.35	− 9 54.8	2.031	2.976	8.1	22.7
5 11	12 47.81	− 9 17.6	2.098	2.974	11.5	22.9
346307 2008 QK_{10}			4 9.5	239.°93	1.°2/ 8.3	17
3 2	13 36.05	− 7 44.8	1.993	2.797	14.1	21.2
3 12	13 32.66	− 7 1.1	1.903	2.792	11.0	21.0
3 22	13 27.14	− 6 4.7	1.834	2.787	7.4	20.8
4 1	13 20.03	− 4 59.6	1.792	2.783	3.4	20.5
4 11	13 12.14	− 3 51.9	1.778	2.778	1.7	20.4
4 21	13 4.35	− 2 47.9	1.792	2.773	5.6	20.6
5 1	12 57.56	− 1 54.0	1.832	2.768	9.5	20.9
5 11	12 52.48	− 1 14.6	1.897	2.763	13.0	21.1

450435 2005 UN_{231} 4 9.5 60.°95 0.°9/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.73	−13 10.4	1.275	2.088	20.0	21.1
3 12	13 35.78	−12 46.9	1.208	2.099	15.9	20.9
3 22	13 29.72	−12 1.4	1.160	2.111	11.0	20.6
4 1	13 21.34	−10 57.4	1.135	2.123	5.5	20.4
4 11	13 11.92	− 9 42.1	1.134	2.135	1.0	20.1
4 21	13 2.90	− 8 25.5	1.158	2.148	6.2	20.5
5 1	12 55.59	− 7 17.6	1.206	2.160	11.5	20.8
5 11	12 50.90	− 6 26.0	1.275	2.173	16.0	21.1

284184 2006 AX_{80} 4 9.5 264.°90 3.°9/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 31.26	−29 58.7	4.534	5.187	8.8	20.7
3 12	13 27.85	−30 15.2	4.421	5.183	7.6	20.5
3 22	13 23.38	−30 20.6	4.330	5.178	6.3	20.4
4 1	13 18.12	−30 14.3	4.264	5.173	5.0	20.3
4 11	13 12.48	−29 56.8	4.224	5.169	4.1	20.3
4 21	13 6.85	−29 29.5	4.213	5.164	4.0	20.3
5 1	13 1.66	−28 54.4	4.231	5.159	4.8	20.3
5 11	12 57.27	−28 14.6	4.275	5.155	6.1	20.4

361150 2006 HL_{105} 4 9.5 294.°44 16.°0/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.17	+27 25.4	1.465	2.283	17.6	20.0
3 12	13 35.44	+30 6.9	1.416	2.268	16.4	19.9
3 22	13 29.60	+32 31.5	1.387	2.254	16.0	19.8
4 1	13 21.35	+34 23.7	1.379	2.239	16.7	19.8
4 11	13 11.91	+35 31.9	1.391	2.224	18.2	19.9
4 21	13 2.71	+35 51.0	1.419	2.210	20.2	20.0
5 1	12 55.12	+35 21.7	1.463	2.196	22.2	20.1
5 11	12 50.11	+34 10.3	1.518	2.182	24.1	20.2

211887 2004 JQ_{13} 4 9.5 310.°38 0.°2/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.97	−10 5.5	2.141	2.937	13.5	20.4
3 12	13 30.93	− 9 34.0	2.045	2.929	10.6	20.2
3 22	13 25.93	− 8 49.6	1.972	2.922	7.2	19.9
4 1	13 19.46	− 7 55.2	1.924	2.914	3.4	19.7
4 11	13 12.24	− 6 55.5	1.905	2.906	0.7	19.4
4 21	13 5.10	− 5 56.3	1.913	2.899	4.8	19.7
5 1	12 58.85	− 5 3.3	1.949	2.892	8.6	19.9
5 11	12 54.15	− 4 21.4	2.009	2.885	12.0	20.1

386171 2007 UK_{79} 4 9.5 153.°90 1.°9/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.29	− 3 55.6	2.587	3.385	11.4	21.6
3 12	13 32.21	− 3 13.9	2.504	3.391	8.8	21.4
3 22	13 26.50	− 2 25.4	2.445	3.397	5.8	21.3
4 1	13 19.63	− 1 33.7	2.414	3.403	2.9	21.1
4 11	13 12.23	− 0 43.3	2.412	3.408	2.3	21.0
4 21	13 4.99	+ 0 1.2	2.440	3.412	5.0	21.2
5 1	12 58.54	+ 0 36.2	2.495	3.416	8.0	21.4
5 11	12 53.43	+ 0 59.1	2.576	3.420	10.7	21.6

167464 2003 YF_{21} 4 9.5 188.°20 3.°0/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.46	− 2 1.0	1.915	2.725	14.4	20.9
3 12	13 36.12	− 1 17.5	1.831	2.724	11.2	20.7
3 22	13 29.48	− 0 26.1	1.770	2.724	7.5	20.5
4 1	13 21.14	+ 0 28.1	1.735	2.722	4.0	20.2
4 11	13 11.97	+ 1 18.5	1.728	2.721	3.6	20.2
4 21	13 2.96	+ 1 59.4	1.749	2.718	6.9	20.4
5 1	12 55.08	+ 2 25.8	1.796	2.716	10.7	20.6
5 11	12 49.08	+ 2 35.4	1.866	2.713	14.1	20.8

508696 2017 UL_{19} 4 9.5 272.°11 0.°9/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 44.01	− 5 22.1	1.831	2.630	15.4	21.9
3 12	13 39.30	− 5 30.8	1.728	2.613	12.2	21.6
3 22	13 31.94	− 5 32.1	1.647	2.597	8.3	21.3
4 1	13 22.44	− 5 28.2	1.591	2.581	3.9	21.0
4 11	13 11.72	− 5 22.5	1.563	2.564	1.3	20.8
4 21	13 0.94	− 5 19.1	1.563	2.547	5.9	21.1
5 1	12 51.25	− 5 22.0	1.590	2.530	10.4	21.3
5 11	12 43.63	− 5 34.5	1.641	2.513	14.4	21.5

272763 2005 YD_{162} 4 9.5 84.°80 1.°4/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.73	−15 0.1	1.978	2.750	15.3	21.0
3 12	13 35.29	−14 34.6	1.911	2.777	12.1	20.9
3 22	13 28.72	−13 52.9	1.867	2.804	8.5	20.7
4 1	13 20.67	−12 57.6	1.848	2.831	4.5	20.5
4 11	13 12.07	−11 53.5	1.857	2.857	1.4	20.3
4 21	13 3.84	−10 46.9	1.895	2.883	4.4	20.6
5 1	12 56.82	− 9 44.2	1.960	2.909	8.2	20.9
5 11	12 51.63	− 8 51.0	2.051	2.934	11.5	21.1

502390 2015 BP_{246} 4 9.5 301.°22 2.°2/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.28	−15 15.0	1.744	2.531	16.5	20.7
3 12	13 33.46	−15 15.6	1.639	2.512	13.4	20.5
3 22	13 28.09	−14 58.6	1.553	2.493	9.7	20.2
4 1	13 20.65	−14 24.2	1.492	2.474	5.5	19.9
4 11	13 12.03	−13 35.6	1.456	2.455	2.3	19.6
4 21	13 3.32	−12 38.3	1.447	2.437	5.3	19.8
5 1	12 55.69	−11 39.8	1.463	2.419	9.8	20.0
5 11	12 50.07	−10 47.8	1.503	2.401	14.0	20.2

422355 2014 SN_{229} 4 9.5 150.°10 0.°5/ 9.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.91	−10 0.8	1.795	2.593	15.7	21.5
3 12	13 35.06	− 9 19.7	1.713	2.598	12.3	21.3
3 22	13 28.83	− 8 23.3	1.653	2.603	8.3	21.0
4 1	13 20.84	− 7 15.5	1.618	2.608	3.8	20.8
4 11	13 12.03	− 6 2.7	1.611	2.613	1.1	20.6
4 21	13 3.44	− 4 52.3	1.632	2.617	5.6	20.9
5 1	12 56.05	− 3 51.4	1.680	2.620	9.9	21.2
5 11	12 50.63	− 3 5.2	1.751	2.624	13.6	21.4

169132 2001 PP_{52} 4 9.5 181.°32 0.°9/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.00	− 5 43.0	2.556	3.345	11.8	20.6
3 12	13 34.39	− 5 30.8	2.464	3.345	9.2	20.4
3 22	13 28.03	− 5 11.8	2.396	3.346	6.1	20.2
4 1	13 20.38	− 4 48.3	2.356	3.345	2.8	20.0
4 11	13 12.11	− 4 23.9	2.345	3.345	1.3	19.9
4 21	13 3.95	− 4 2.1	2.364	3.344	4.5	20.1
5 1	12 56.62	− 3 46.1	2.411	3.343	7.7	20.3
5 11	12 50.68	− 3 38.7	2.483	3.342	10.6	20.5

214578 2006 QB_{46} 4 9.5 251.°53 1.°8/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.72	− 4 44.6	1.769	2.576	15.5	20.4
3 12	13 37.50	− 4 27.0	1.673	2.564	12.2	20.2
3 22	13 30.68	− 4 0.0	1.598	2.552	8.2	19.9
4 1	13 21.82	− 3 27.0	1.549	2.539	3.9	19.6
4 11	13 11.85	− 2 53.4	1.527	2.526	2.2	19.5
4 21	13 1.90	− 2 25.0	1.533	2.513	6.5	19.7
5 1	12 53.10	− 2 6.9	1.565	2.500	10.9	19.9
5 11	12 46.36	− 2 2.8	1.620	2.486	14.8	20.2

242941 2006 QE_{168} 4 9.5 300.°58 3.°8/12.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.72	−16 45.2	2.018	2.777	15.5	20.7
3 12	13 37.52	−17 32.1	1.903	2.755	12.8	20.5
3 22	13 30.79	−18 7.0	1.808	2.733	9.6	20.2
4 1	13 21.94	−18 28.2	1.739	2.710	6.2	19.9
4 11	13 11.81	−18 35.6	1.696	2.688	3.9	19.8
4 21	13 1.44	−18 31.0	1.682	2.666	5.5	19.8
5 1	12 51.97	−18 18.3	1.694	2.644	9.1	20.0
5 11	12 44.40	−18 3.2	1.731	2.623	12.8	20.1

427729 2004 PL_{18} 4 9.5 211.°10 2.°3/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.24	− 4 1.9	2.363	3.164	12.3	22.0
3 12	13 33.22	− 3 5.9	2.268	3.157	9.5	21.8
3 22	13 27.35	− 2 0.8	2.197	3.150	6.3	21.6
4 1	13 20.10	− 0 51.1	2.153	3.142	3.2	21.4
4 11	13 12.17	+ 0 17.5	2.139	3.133	2.8	21.3
4 21	13 4.31	+ 1 19.4	2.154	3.124	5.8	21.5
5 1	12 57.30	+ 2 9.4	2.197	3.115	9.1	21.7
5 11	12 51.75	+ 2 44.4	2.264	3.104	12.1	21.9

62385 2000 ST_{157} 4 9.5 295.°36 8.°9/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.64	−32 3.5	1.846	2.543	18.7	19.2
3 12	13 34.02	−32 44.5	1.738	2.526	16.6	19.0
3 22	13 28.64	−33 0.2	1.646	2.509	14.1	18.8
4 1	13 20.98	−32 45.5	1.575	2.493	11.4	18.6
4 11	13 11.99	−31 58.6	1.525	2.476	9.4	18.4
4 21	13 2.90	−30 41.6	1.501	2.460	9.0	18.3
5 1	12 55.00	−29 1.9	1.501	2.443	10.7	18.4
5 11	12 49.33	−27 10.4	1.524	2.427	13.5	18.5

55078 2001 QB_{101} 4 9.5 143.°60 6.°6/ 2.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.02	+ 9 32.6	2.127	2.943	12.9	19.2
3 12	13 35.41	+10 50.9	2.065	2.953	10.3	19.1
3 22	13 28.78	+12 7.7	2.026	2.963	7.9	19.0
4 1	13 20.74	+13 15.6	2.014	2.972	6.7	18.9
4 11	13 12.10	+14 7.8	2.030	2.980	7.4	18.9
4 21	13 3.73	+14 39.6	2.072	2.988	9.5	19.1
5 1	12 56.45	+14 48.8	2.139	2.996	12.0	19.3
5 11	12 50.87	+14 36.2	2.228	3.003	14.4	19.4

328715 2009 TH_{17} 4 9.5 212.°40 2.°0/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.71	− 4 28.6	2.364	3.160	12.4	22.0
3 12	13 34.38	− 3 44.7	2.266	3.152	9.6	21.8
3 22	13 28.16	− 2 52.2	2.192	3.144	6.4	21.6
4 1	13 20.50	− 1 54.8	2.146	3.135	3.2	21.4
4 11	13 12.12	− 0 57.7	2.129	3.125	2.4	21.3
4 21	13 3.81	− 0 6.2	2.141	3.115	5.5	21.5
5 1	12 56.35	+ 0 34.9	2.182	3.104	9.0	21.7
5 11	12 50.39	+ 1 2.6	2.247	3.092	12.0	21.8

201437 2003 DN_{19} 4 9.5 340.°23 1.°4/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.38	−12 23.0	1.201	2.025	20.4	19.9
3 12	13 34.44	−12 26.8	1.121	2.018	16.4	19.7
3 22	13 29.21	−12 10.2	1.059	2.011	11.5	19.3
4 1	13 21.31	−11 34.8	1.017	2.006	5.9	19.0
4 11	13 11.97	−10 45.7	0.999	2.000	1.5	18.7
4 21	13 2.72	− 9 51.2	1.004	1.996	6.6	19.0
5 1	12 55.11	− 9 0.8	1.033	1.993	12.2	19.3
5 11	12 50.26	− 8 23.4	1.081	1.990	17.3	19.6

500491 2012 TK_{264} 4 9.6 131.°04 1.°2/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.73	− 5 19.5	2.407	3.200	12.3	22.1
3 12	13 34.24	− 5 2.5	2.324	3.208	9.5	21.9
3 22	13 27.95	− 4 38.4	2.265	3.215	6.4	21.7
4 1	13 20.36	− 4 10.2	2.232	3.222	2.9	21.5
4 11	13 12.18	− 3 41.6	2.229	3.229	1.5	21.4
4 21	13 4.16	− 3 16.4	2.256	3.236	4.7	21.6
5 1	12 57.04	− 2 58.3	2.310	3.242	8.0	21.8
5 11	12 51.40	− 2 49.7	2.389	3.248	10.9	22.0

118822 2000 SP_{137} 4 9.6 140.°62 2.°6/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.54	−17 24.2	2.650	3.395	12.5	20.3
3 12	13 34.08	−17 37.8	2.557	3.401	10.2	20.2
3 22	13 27.85	−17 39.1	2.485	3.407	7.5	20.0
4 1	13 20.33	−17 28.3	2.441	3.412	4.6	19.8
4 11	13 12.18	−17 7.1	2.424	3.418	2.6	19.7
4 21	13 4.12	−16 38.5	2.437	3.423	3.9	19.8
5 1	12 56.88	−16 6.4	2.479	3.427	6.7	19.9
5 11	12 51.04	−15 35.2	2.547	3.432	9.4	20.1

310500 2000 VM_{21} 4 9.6 189.°20 1.°5/ 8.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.90	− 5 58.4	1.928	2.726	14.7	21.2
3 12	13 37.28	− 5 27.6	1.839	2.726	11.5	21.0
3 22	13 30.32	− 4 46.2	1.773	2.725	7.7	20.8
4 1	13 21.58	− 3 58.1	1.733	2.723	3.6	20.5
4 11	13 11.96	− 3 8.8	1.721	2.720	2.0	20.4
4 21	13 2.48	− 2 24.2	1.737	2.717	5.9	20.6
5 1	12 54.13	− 1 49.8	1.781	2.713	10.0	20.9
5 11	12 47.69	− 1 29.2	1.848	2.708	13.6	21.1

37787 1997 SX_{24} 4 9.6 114.°10 0.°4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.48	−12 25.4	1.635	2.428	17.1	19.7
3 12	13 36.47	−11 53.4	1.561	2.442	13.5	19.5
3 22	13 29.86	−11 3.5	1.508	2.455	9.3	19.3
4 1	13 21.35	− 9 59.3	1.479	2.467	4.5	19.0
4 11	13 12.01	− 8 46.9	1.477	2.479	0.7	18.7
4 21	13 2.99	− 7 34.3	1.503	2.491	5.5	19.1
5 1	12 55.36	− 6 29.5	1.555	2.502	10.0	19.4
5 11	12 49.92	− 5 38.6	1.631	2.513	13.9	19.7

437672 2014 CC_{16} 4 9.6 21.°93 4.°2/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.57	−20 48.3	2.127	2.873	15.2	20.4
3 12	13 33.89	−21 14.5	2.035	2.875	12.6	20.2
3 22	13 28.02	−21 24.2	1.965	2.878	9.6	20.0
4 1	13 20.50	−21 16.3	1.918	2.880	6.5	19.8
4 11	13 12.15	−20 52.4	1.897	2.883	4.4	19.7
4 21	13 3.88	−20 15.6	1.904	2.887	5.2	19.7
5 1	12 56.63	−19 31.5	1.938	2.890	8.0	19.9
5 11	12 51.12	−18 46.3	1.997	2.894	11.1	20.1

265332 2004 PA_{18} 4 9.6 266.°56 7.°0/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.44	+ 7 22.4	1.811	2.642	14.2	20.3
3 12	13 33.10	+ 8 53.6	1.742	2.642	11.3	20.1
3 22	13 27.50	+10 26.5	1.695	2.641	8.5	19.9
4 1	13 20.24	+11 52.2	1.675	2.640	7.1	19.8
4 11	13 12.20	+13 1.8	1.680	2.639	8.0	19.9
4 21	13 4.38	+13 48.9	1.712	2.638	10.5	20.0
5 1	12 57.71	+14 9.8	1.767	2.637	13.5	20.2
5 11	12 52.89	+14 4.8	1.841	2.636	16.2	20.4

274424 2008 SY_{20} 4 9.6 261.°77 1.°0/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.92	− 7 53.6	1.933	2.736	14.5	21.6
3 12	13 33.46	− 7 21.6	1.840	2.729	11.4	21.4
3 22	13 27.78	− 6 37.3	1.770	2.723	7.7	21.2
4 1	13 20.40	− 5 44.1	1.726	2.716	3.5	20.9
4 11	13 12.17	− 4 47.6	1.709	2.710	1.4	20.7
4 21	13 4.03	− 3 54.0	1.720	2.703	5.5	21.0
5 1	12 56.92	− 3 9.1	1.757	2.696	9.6	21.2
5 11	12 51.59	− 2 37.5	1.818	2.689	13.3	21.4

229117 2004 RH_{102} 4 9.6 273.°51 2.°0/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.31	−15 19.1	1.897	2.676	15.6	21.0
3 12	13 33.97	−15 13.4	1.797	2.665	12.7	20.8
3 22	13 28.26	−14 50.8	1.717	2.654	9.1	20.5
4 1	13 20.69	−14 12.2	1.661	2.643	5.1	20.2
4 11	13 12.12	−13 21.0	1.632	2.632	2.0	20.0
4 21	13 3.55	−12 22.5	1.631	2.620	4.9	20.2
5 1	12 56.04	−11 23.7	1.656	2.609	9.0	20.4
5 11	12 50.40	−10 31.5	1.706	2.598	12.9	20.6

27897 1996 NF_4 4 9.6 179.°14 3.°3/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.87	−20 29.1	2.568	3.301	13.1	19.3
3 12	13 33.70	−20 37.3	2.469	3.302	10.9	19.1
3 22	13 27.68	−20 30.7	2.391	3.303	8.2	19.0
4 1	13 20.29	−20 9.2	2.339	3.303	5.4	18.8
4 11	13 12.20	−19 34.4	2.315	3.303	3.4	18.6
4 21	13 4.19	−18 49.7	2.320	3.303	4.3	18.7
5 1	12 57.01	−17 59.9	2.353	3.302	6.9	18.9
5 11	12 51.29	−17 10.1	2.412	3.301	9.7	19.0

227013 2004 XP_{132} 4 9.6 139.°29 4.°6/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.53	+ 5 8.7	2.384	3.193	11.9	20.7
3 12	13 34.80	+ 6 3.8	2.315	3.205	9.3	20.6
3 22	13 28.27	+ 7 0.2	2.271	3.216	6.7	20.4
4 1	13 20.49	+ 7 52.1	2.254	3.227	4.8	20.3
4 11	13 12.18	+ 8 34.3	2.266	3.237	5.2	20.4
4 21	13 4.11	+ 9 2.7	2.306	3.247	7.4	20.5
5 1	12 57.00	+ 9 14.7	2.372	3.256	10.0	20.7
5 11	12 51.39	+ 9 9.7	2.462	3.265	12.4	20.9

406823 2008 YN_{16} 4 9.6 254.°05 4.°7/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.75	+ 0 28.2	1.663	2.485	15.7	21.5
3 12	13 36.93	+ 1 27.0	1.569	2.468	12.3	21.3
3 22	13 30.42	+ 2 34.5	1.497	2.452	8.5	21.0
4 1	13 21.77	+ 3 44.0	1.450	2.434	5.3	20.8
4 11	13 11.94	+ 4 46.9	1.430	2.416	5.4	20.7
4 21	13 2.11	+ 5 35.1	1.436	2.398	9.0	20.9
5 1	12 53.48	+ 6 2.7	1.467	2.379	13.2	21.1
5 11	12 46.98	+ 6 7.1	1.520	2.360	17.0	21.3

88555 2001 QG_{200} 4 9.6 146.°44 0.°3/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.35	− 7 48.8	2.633	3.415	11.6	19.9
3 12	13 33.83	− 7 38.3	2.545	3.422	9.1	19.7
3 22	13 27.63	− 7 20.1	2.481	3.428	6.1	19.5
4 1	13 20.22	− 6 56.2	2.445	3.434	2.8	19.3
4 11	13 12.25	− 6 29.8	2.438	3.439	0.7	19.1
4 21	13 4.41	− 6 4.3	2.460	3.444	4.0	19.4
5 1	12 57.39	− 5 43.3	2.512	3.449	7.2	19.6
5 11	12 51.71	− 5 29.5	2.589	3.454	10.0	19.8

251013 2006 PF_{41} 4 9.6 206.°05 0.°9/10.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.29	−13 27.2	1.978	2.757	15.1	22.1
3 12	13 35.31	−13 1.0	1.882	2.753	12.0	21.9
3 22	13 29.04	−12 18.4	1.806	2.748	8.4	21.7
4 1	13 21.02	−11 21.6	1.757	2.743	4.3	21.4
4 11	13 12.10	−10 15.1	1.735	2.737	0.9	21.1
4 21	13 3.27	− 9 5.2	1.742	2.730	4.8	21.4
5 1	12 55.50	− 7 59.0	1.776	2.723	9.0	21.6
5 11	12 49.57	− 7 2.8	1.835	2.715	12.7	21.8

294559 2007 YR_{34} 4 9.6 36.°68 6.°1/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.93	+ 3 45.3	1.446	2.282	16.9	20.5
3 12	13 36.33	+ 4 41.7	1.381	2.286	13.2	20.3
3 22	13 29.93	+ 5 41.9	1.335	2.290	9.4	20.0
4 1	13 21.45	+ 6 37.5	1.314	2.294	6.4	19.9
4 11	13 12.04	+ 7 19.5	1.318	2.299	6.8	19.9
4 21	13 2.97	+ 7 41.4	1.347	2.304	10.0	20.1
5 1	12 55.40	+ 7 39.6	1.400	2.309	13.9	20.3
5 11	12 50.16	+ 7 14.2	1.472	2.314	17.4	20.6

117177 2004 RR_{61} 4 9.6 276.°81 0.°9/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.42	−12 18.7	1.871	2.661	15.4	20.4
3 12	13 34.04	−12 6.3	1.773	2.651	12.3	20.2
3 22	13 28.30	−11 38.8	1.697	2.642	8.6	19.9
4 1	13 20.71	−10 57.9	1.645	2.632	4.3	19.7
4 11	13 12.16	−10 7.9	1.621	2.622	0.9	19.4
4 21	13 3.64	− 9 14.5	1.623	2.612	5.0	19.7
5 1	12 56.17	− 8 24.3	1.653	2.603	9.3	19.9
5 11	12 50.59	− 7 43.3	1.706	2.593	13.2	20.1

2078 Nanking 4 9.6 180.°07 8.°3/19.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 45.90	−37 45.3	2.647	3.251	15.4	18.5
3 12	13 40.35	−38 25.7	2.542	3.254	13.8	18.4
3 22	13 32.41	−38 44.9	2.455	3.256	12.0	18.2
4 1	13 22.61	−38 38.7	2.389	3.256	10.2	18.1
4 11	13 11.84	−38 5.7	2.348	3.256	8.8	18.0
4 21	13 1.14	−37 7.3	2.333	3.254	8.4	18.0
5 1	12 51.52	−35 48.4	2.345	3.251	9.1	18.0
5 11	12 43.81	−34 16.7	2.382	3.248	10.8	18.1

190366 1999 RW_{39} 4 9.6 214.°49 1.°0/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.13	−13 14.3	2.672	3.433	12.0	21.4
3 12	13 34.58	−13 3.2	2.563	3.424	9.6	21.2
3 22	13 28.25	−12 40.7	2.478	3.414	6.8	21.0
4 1	13 20.58	−12 8.1	2.420	3.404	3.5	20.8
4 11	13 12.20	−11 28.1	2.392	3.392	1.0	20.6
4 21	13 3.84	−10 44.4	2.393	3.381	3.8	20.8
5 1	12 56.23	−10 1.5	2.424	3.368	7.1	21.0
5 11	12 49.99	− 9 23.7	2.481	3.355	10.1	21.2

243069 2007 GD_{37} 4 9.6 88.°46 2.°7/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.86	− 4 6.0	1.364	2.187	18.4	21.0
3 12	13 38.72	− 3 31.1	1.300	2.201	14.3	20.8
3 22	13 31.57	− 2 45.0	1.257	2.214	9.5	20.5
4 1	13 22.23	− 1 53.7	1.237	2.227	4.6	20.3
4 11	13 11.94	− 1 5.1	1.243	2.240	3.3	20.2
4 21	13 2.08	− 0 26.8	1.274	2.253	7.7	20.5
5 1	12 53.92	− 0 4.6	1.330	2.265	12.4	20.8
5 11	12 48.29	− 0 1.4	1.407	2.278	16.4	21.1

249074 2007 UE_{88} 4 9.6 131.°05 2.°4/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.53	− 1 29.8	2.342	3.145	12.3	21.4
3 12	13 34.15	− 1 4.2	2.260	3.150	9.5	21.2
3 22	13 27.94	− 0 33.5	2.203	3.155	6.4	21.0
4 1	13 20.39	− 0 1.7	2.173	3.160	3.3	20.8
4 11	13 12.25	+ 0 27.1	2.171	3.165	2.8	20.8
4 21	13 4.28	+ 0 48.7	2.198	3.170	5.6	21.0
5 1	12 57.22	+ 1 0.1	2.253	3.174	8.8	21.2
5 11	12 51.66	+ 0 59.2	2.332	3.178	11.6	21.4

472632 2015 DW_{206} 4 9.6 21.°24 3.°1/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 33.98	− 2 43.2	2.055	2.872	13.2	20.8
3 12	13 30.92	− 1 36.2	1.975	2.873	10.2	20.6
3 22	13 25.92	− 0 20.2	1.918	2.874	6.8	20.4
4 1	13 19.50	+ 0 59.0	1.888	2.876	3.7	20.2
4 11	13 12.42	+ 2 14.5	1.886	2.877	3.7	20.2
4 21	13 5.50	+ 3 19.7	1.913	2.879	6.7	20.4
5 1	12 59.54	+ 4 9.5	1.965	2.881	10.1	20.6
5 11	12 55.15	+ 4 40.7	2.040	2.882	13.2	20.8

391372 2006 VQ_{171} 4 9.6 212.°67 1.°0/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 34.59	−14 21.9	2.580	3.348	12.2	21.5
3 12	13 31.08	−13 54.1	2.480	3.344	9.8	21.3
3 22	13 25.89	−13 12.9	2.403	3.341	6.8	21.1
4 1	13 19.46	−12 20.4	2.353	3.337	3.6	20.9
4 11	13 12.42	−11 20.0	2.332	3.333	1.0	20.7
4 21	13 5.47	−10 16.4	2.340	3.329	3.7	20.9
5 1	12 59.28	− 9 14.8	2.377	3.324	7.0	21.1
5 11	12 54.42	− 8 20.0	2.440	3.320	10.0	21.3

97022 1999 TT_{279} 4 9.6 261.°41 0.°7/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.22	− 7 41.8	2.582	3.372	11.6	20.1
3 12	13 31.60	− 7 13.8	2.476	3.358	9.1	19.9
3 22	13 26.28	− 6 36.5	2.395	3.344	6.1	19.7
4 1	13 19.67	− 5 52.6	2.340	3.330	2.8	19.5
4 11	13 12.40	− 5 5.9	2.314	3.315	1.1	19.3
4 21	13 5.14	− 4 20.8	2.318	3.300	4.4	19.5
5 1	12 58.60	− 3 41.7	2.350	3.285	7.7	19.7
5 11	12 53.37	− 3 12.1	2.407	3.270	10.7	19.9

178841 2001 HZ_{43} 4 9.6 300.°42 0.°7/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 37.72	− 8 12.9	1.531	2.347	17.1	20.4
3 12	13 34.91	− 7 57.0	1.433	2.328	13.6	20.1
3 22	13 29.28	− 7 26.5	1.354	2.309	9.3	19.8
4 1	13 21.35	− 6 44.5	1.299	2.290	4.3	19.5
4 11	13 12.10	− 5 56.4	1.270	2.271	1.3	19.2
4 21	13 2.75	− 5 9.4	1.266	2.253	6.5	19.5
5 1	12 54.62	− 4 31.1	1.287	2.235	11.6	19.7
5 11	12 48.75	− 4 7.4	1.330	2.217	16.2	19.9

878 Mildred 4 9.6 202.°95 0.°5/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 40.59	− 9 24.4	2.097	2.883	14.1	19.4
3 12	13 36.16	− 8 50.6	2.000	2.878	11.1	19.2
3 22	13 29.55	− 8 3.7	1.925	2.873	7.5	19.0
4 1	13 21.27	− 7 7.0	1.877	2.867	3.5	18.7
4 11	13 12.14	− 6 5.4	1.858	2.860	1.0	18.5
4 21	13 3.09	− 5 4.8	1.868	2.852	5.1	18.8
5 1	12 55.04	− 4 11.4	1.906	2.843	9.1	19.0
5 11	12 48.73	− 3 30.0	1.968	2.833	12.7	19.2

56369 2000 EW_6 4 9.6 258.°01 0.°2/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 42.94	− 9 36.0	1.621	2.419	17.1	19.4
3 12	13 38.92	− 9 34.4	1.518	2.402	13.7	19.1
3 22	13 31.98	− 9 19.1	1.436	2.385	9.5	18.8
4 1	13 22.64	− 8 51.9	1.379	2.367	4.6	18.5
4 11	13 11.89	− 8 16.7	1.347	2.349	0.7	18.1
4 21	13 1.02	− 7 39.5	1.343	2.330	6.0	18.5
5 1	12 51.37	− 7 7.1	1.364	2.311	11.1	18.7
5 11	12 44.02	− 6 45.4	1.409	2.292	15.7	18.9

45496 2000 AO_{245} 4 9.6 23.°49 4.°5/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.30	−21 54.0	1.816	2.573	17.0	17.6
3 12	13 32.47	−22 3.0	1.732	2.578	14.2	17.4
3 22	13 27.25	−21 50.7	1.667	2.584	10.8	17.1
4 1	13 20.23	−21 16.4	1.624	2.589	7.3	16.9
4 11	13 12.33	−20 22.9	1.607	2.596	4.7	16.8
4 21	13 4.60	−19 15.4	1.617	2.602	5.5	16.9
5 1	12 58.05	−18 1.7	1.652	2.609	8.7	17.1
5 11	12 53.47	−16 50.2	1.712	2.617	12.2	17.3

408311 2013 GN_{37} 4 9.6 7.°44 5.°0/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.70	− 1 14.4	1.229	2.076	18.5	20.5
3 12	13 33.55	− 0 6.9	1.162	2.076	14.4	20.2
3 22	13 28.36	+ 1 12.4	1.115	2.077	9.8	20.0
4 1	13 20.85	+ 2 34.4	1.091	2.079	5.7	19.7
4 11	13 12.24	+ 3 47.8	1.091	2.081	5.8	19.7
4 21	13 3.92	+ 4 42.5	1.114	2.084	9.9	20.0
5 1	12 57.22	+ 5 12.0	1.160	2.087	14.5	20.2
5 11	12 53.03	+ 5 13.9	1.224	2.091	18.6	20.5

434397 2005 EK_{312} 4 9.6 31.°83 0.°8/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.54	−11 13.8	2.065	2.851	14.3	21.6
3 12	13 34.58	−11 13.4	1.976	2.851	11.4	21.4
3 22	13 28.48	−11 1.0	1.908	2.852	7.9	21.1
4 1	13 20.77	−10 38.5	1.866	2.852	4.0	20.9
4 11	13 12.26	−10 9.1	1.851	2.853	0.9	20.7
4 21	13 3.86	− 9 37.2	1.865	2.854	4.5	20.9
5 1	12 56.47	− 9 7.6	1.907	2.854	8.4	21.2
5 11	12 50.81	− 8 45.0	1.972	2.855	11.9	21.4

483737 2005 TS_{196} 4 9.6 207.°32 4.°5/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 59.70	+ 3 42.5	1.212	2.024	20.9	21.4
3 12	13 52.91	+ 3 16.8	1.131	2.021	16.7	21.1
3 22	13 41.91	+ 2 48.5	1.069	2.019	11.7	20.8
4 1	13 27.44	+ 2 12.0	1.030	2.016	6.5	20.5
4 11	13 11.13	+ 1 22.9	1.018	2.012	4.9	20.4
4 21	12 55.05	+ 0 19.1	1.032	2.008	9.6	20.6
5 1	12 41.20	− 0 58.8	1.073	2.004	15.1	20.9
5 11	12 30.93	− 2 28.4	1.134	1.999	19.9	21.2

270362 2001 YL_{91} 4 9.6 80.°09 7.°4/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 42.01	−29 37.4	1.916	2.614	18.1	20.3
3 12	13 37.65	−30 16.7	1.842	2.636	15.6	20.2
3 22	13 30.70	−30 31.9	1.787	2.658	12.8	20.0
4 1	13 21.83	−30 20.3	1.753	2.679	9.9	19.9
4 11	13 12.10	−29 42.3	1.743	2.701	7.8	19.8
4 21	13 2.66	−28 42.0	1.759	2.722	7.6	19.8
5 1	12 54.62	−27 26.9	1.802	2.743	9.3	20.0
5 11	12 48.77	−26 6.1	1.869	2.763	11.8	20.2

65015 2002 AX_{88} 4 9.6 316.°59 0.°7/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 33.75	− 8 50.8	2.214	3.013	13.1	19.5
3 12	13 30.72	− 8 14.4	2.120	3.006	10.2	19.3
3 22	13 25.80	− 7 26.1	2.049	3.000	6.9	19.1
4 1	13 19.49	− 6 29.3	2.004	2.994	3.2	18.8
4 11	13 12.48	− 5 28.8	1.987	2.988	1.1	18.6
4 21	13 5.56	− 4 30.2	1.999	2.982	4.8	18.9
5 1	12 59.49	− 3 39.0	2.037	2.977	8.5	19.1
5 11	12 54.92	− 2 59.5	2.101	2.972	11.7	19.3

422072 2014 QW_{380} 4 9.6 283.°90 2.°8/11.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 39.72	−15 13.6	1.478	2.271	18.7	21.3
3 12	13 36.78	−15 26.5	1.376	2.252	15.3	21.0
3 22	13 30.76	−15 20.4	1.293	2.234	11.1	20.7
4 1	13 22.16	−14 54.7	1.232	2.215	6.4	20.4
4 11	13 12.00	−14 12.0	1.197	2.196	2.8	20.1
4 21	13 1.66	−13 17.9	1.186	2.176	6.1	20.2
5 1	12 52.61	−12 21.1	1.200	2.157	11.2	20.5
5 11	12 46.04	−11 30.8	1.236	2.138	16.1	20.7

317779 2003 SE_{138} 4 9.6 178.°40 2.°0/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.11	− 3 2.2	2.627	3.422	11.3	21.5
3 12	13 33.67	− 2 24.5	2.538	3.424	8.8	21.3
3 22	13 27.56	− 1 40.4	2.474	3.425	5.8	21.1
4 1	13 20.25	− 0 53.8	2.438	3.426	3.0	20.9
4 11	13 12.37	− 0 9.0	2.431	3.426	2.4	20.9
4 21	13 4.61	+ 0 30.0	2.455	3.426	5.1	21.1
5 1	12 57.65	+ 0 59.3	2.506	3.425	8.1	21.2
5 11	12 52.02	+ 1 16.8	2.583	3.423	10.8	21.4

521201 2015 FM_{413} 4 9.6 222.°69 6.°1/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.72	+14 5.1	2.976	3.781	9.9	22.1
3 12	13 32.46	+15 8.9	2.896	3.771	8.2	22.0
3 22	13 26.69	+16 9.5	2.841	3.761	6.7	21.8
4 1	13 19.82	+17 1.4	2.813	3.751	6.1	21.8
4 11	13 12.44	+17 40.0	2.813	3.740	6.7	21.8
4 21	13 5.15	+18 2.0	2.841	3.728	8.3	21.9
5 1	12 58.56	+18 5.7	2.893	3.717	10.2	22.0
5 11	12 53.15	+17 51.3	2.968	3.705	12.0	22.1

248355 2005 QD_{142} 4 9.6 223.°55 3.°2/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.49	−19 21.4	2.672	3.407	12.6	20.7
3 12	13 34.19	−19 41.7	2.567	3.402	10.4	20.6
3 22	13 28.06	−19 49.2	2.484	3.397	7.9	20.4
4 1	13 20.55	−19 43.4	2.427	3.392	5.2	20.2
4 11	13 12.31	−19 25.5	2.398	3.386	3.3	20.1
4 21	13 4.09	−18 58.1	2.398	3.381	4.2	20.1
5 1	12 56.63	−18 25.0	2.426	3.375	6.8	20.3
5 11	12 50.56	−17 51.0	2.481	3.369	9.6	20.4

300091 2006 UT_{237} 4 9.6 123.°49 0.°0/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 34.47	−11 39.7	2.533	3.313	12.1	21.3
3 12	13 30.93	−10 57.5	2.446	3.321	9.5	21.2
3 22	13 25.75	−10 3.1	2.384	3.328	6.4	21.0
4 1	13 19.40	− 8 59.6	2.348	3.336	3.1	20.8
4 11	13 12.52	− 7 51.3	2.341	3.343	0.5	20.6
4 21	13 5.79	− 6 43.3	2.364	3.350	4.0	20.9
5 1	12 59.88	− 5 40.9	2.416	3.357	7.2	21.1
5 11	12 55.30	− 4 48.2	2.494	3.364	10.1	21.3

177060 2003 EG_{58} 4 9.6 320.°33 1.°3/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.03	−11 39.7	2.097	2.881	14.2	19.6
3 12	13 34.29	−11 54.2	1.996	2.870	11.3	19.4
3 22	13 28.39	−11 57.8	1.917	2.859	8.0	19.2
4 1	13 20.78	−11 51.3	1.864	2.849	4.2	18.9
4 11	13 12.27	−11 37.1	1.838	2.839	1.3	18.7
4 21	13 3.76	−11 18.8	1.840	2.829	4.5	18.9
5 1	12 56.17	−11 0.6	1.869	2.820	8.4	19.1
5 11	12 50.28	−10 47.0	1.923	2.811	11.9	19.3

95754 2003 EV_{29} 4 9.6 276.°92 4.°6/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.10	− 2 3.5	1.492	2.324	16.6	19.3
3 12	13 34.39	− 0 47.3	1.401	2.307	13.0	19.0
3 22	13 28.90	+ 0 43.1	1.331	2.290	8.9	18.7
4 1	13 21.17	+ 2 20.0	1.285	2.273	5.2	18.5
4 11	13 12.21	+ 3 52.8	1.266	2.255	5.4	18.4
4 21	13 3.24	+ 5 11.1	1.272	2.238	9.5	18.6
5 1	12 55.54	+ 6 6.4	1.302	2.220	14.0	18.8
5 11	12 50.09	+ 6 34.5	1.351	2.202	18.1	19.0

133024 2002 VP_{120} 4 9.6 164.°54 4.°0/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.78	−22 48.7	2.514	3.236	13.7	20.2
3 12	13 33.73	−22 59.2	2.416	3.239	11.4	20.1
3 22	13 27.78	−22 53.3	2.340	3.242	8.8	19.9
4 1	13 20.42	−22 30.6	2.288	3.244	6.1	19.7
4 11	13 12.35	−21 52.6	2.264	3.246	4.2	19.6
4 21	13 4.37	−21 2.6	2.268	3.248	4.7	19.6
5 1	12 57.26	−20 5.7	2.300	3.249	7.1	19.8
5 11	12 51.67	−19 7.9	2.359	3.251	9.8	20.0

100514 1997 AB_{24} 4 9.6 198.°19 0.°4/10.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.97	−11 48.4	2.167	2.942	14.0	21.6
3 12	13 36.42	−11 24.6	2.068	2.939	11.2	21.4
3 22	13 29.71	−10 47.1	1.992	2.934	7.7	21.2
4 1	13 21.37	− 9 58.1	1.942	2.929	3.8	20.9
4 11	13 12.19	− 9 1.9	1.921	2.923	0.6	20.7
4 21	13 3.09	− 8 3.7	1.930	2.917	4.6	21.0
5 1	12 54.98	− 7 9.6	1.967	2.909	8.5	21.2
5 11	12 48.57	− 6 24.8	2.029	2.901	12.0	21.4

474591 2004 NN_{29} 4 9.6 276.°12 5.°3/15.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.35	−26 43.0	2.568	3.270	13.9	21.4
3 12	13 32.82	−27 2.8	2.451	3.253	11.9	21.2
3 22	13 27.32	−27 5.1	2.353	3.235	9.6	21.0
4 1	13 20.27	−26 48.4	2.279	3.217	7.3	20.9
4 11	13 12.37	−26 12.7	2.231	3.199	5.5	20.7
4 21	13 4.40	−25 20.7	2.210	3.181	5.6	20.7
5 1	12 57.21	−24 17.0	2.218	3.163	7.6	20.8
5 11	12 51.50	−23 8.2	2.251	3.144	10.2	20.9

369976 1997 AB_{10} 4 9.6 81.°92 2.°9/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.43	− 3 5.3	1.862	2.678	14.5	21.2
3 12	13 33.73	− 2 11.9	1.793	2.690	11.2	21.0
3 22	13 27.86	− 1 9.7	1.746	2.702	7.4	20.8
4 1	13 20.45	− 0 4.5	1.725	2.714	3.9	20.6
4 11	13 12.36	+ 0 56.8	1.732	2.726	3.4	20.6
4 21	13 4.56	+ 1 47.9	1.767	2.738	6.7	20.8
5 1	12 57.90	+ 2 23.9	1.827	2.750	10.4	21.1
5 11	12 53.06	+ 2 42.4	1.910	2.761	13.6	21.3

432450 2010 CY_{67} 4 9.6 173.°84 2.°5/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.61	−17 20.6	2.350	3.103	13.7	22.1
3 12	13 34.43	−17 20.8	2.254	3.104	11.2	21.9
3 22	13 28.29	−17 6.4	2.180	3.106	8.1	21.7
4 1	13 20.67	−16 38.0	2.132	3.107	4.9	21.5
4 11	13 12.32	−15 57.9	2.112	3.108	2.5	21.4
4 21	13 4.08	−15 10.3	2.121	3.109	4.2	21.5
5 1	12 56.74	−14 20.3	2.158	3.109	7.4	21.7
5 11	12 50.97	−13 33.5	2.221	3.108	10.5	21.9

443678 2015 KJ_{13} 4 9.6 253.°66 3.°4/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.67	− 0 14.6	2.465	3.279	11.4	21.2
3 12	13 30.42	+ 0 53.0	2.375	3.271	8.8	21.1
3 22	13 25.49	+ 2 7.2	2.310	3.263	6.0	20.9
4 1	13 19.32	+ 3 22.7	2.272	3.255	3.7	20.7
4 11	13 12.55	+ 4 33.5	2.263	3.247	4.0	20.7
4 21	13 5.87	+ 5 34.3	2.283	3.239	6.5	20.8
5 1	12 59.94	+ 6 20.6	2.329	3.231	9.4	21.0
5 11	12 55.34	+ 6 50.1	2.399	3.223	12.1	21.2

354707 2005 RJ_{34} 4 9.6 215.°00 0.°1/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.87	−10 47.0	1.767	2.558	16.2	22.3
3 12	13 37.69	−10 16.1	1.670	2.550	12.8	22.1
3 22	13 30.89	− 9 29.0	1.595	2.542	8.8	21.8
4 1	13 22.04	− 8 28.3	1.544	2.533	4.2	21.5
4 11	13 12.09	− 7 19.8	1.521	2.523	0.8	21.2
4 21	13 2.19	− 6 10.6	1.526	2.512	5.7	21.6
5 1	12 53.48	− 5 8.6	1.558	2.500	10.4	21.8
5 11	12 46.85	− 4 20.1	1.613	2.488	14.5	22.0

299274 2005 NO_{122} 4 9.6 266.°89 0.°5/ 9.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.05	− 8 31.9	2.499	3.286	12.0	21.7
3 12	13 32.38	− 8 5.3	2.387	3.267	9.5	21.5
3 22	13 26.90	− 7 28.5	2.299	3.248	6.4	21.3
4 1	13 20.04	− 6 43.9	2.238	3.228	3.0	21.0
4 11	13 12.43	− 5 55.4	2.206	3.208	0.9	20.8
4 21	13 4.79	− 5 7.6	2.204	3.187	4.5	21.0
5 1	12 57.88	− 4 25.2	2.229	3.167	8.0	21.2
5 11	12 52.33	− 3 52.1	2.280	3.146	11.1	21.4

140546 2001 TZ_{194} 4 9.6 109.°27 4.°5/ 3.5 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.50	+ 4 33.7	2.611	3.423	10.9	20.3
3 12	13 31.54	+ 5 55.7	2.550	3.442	8.5	20.2
3 22	13 26.05	+ 7 19.5	2.515	3.461	6.1	20.1
4 1	13 19.51	+ 8 39.2	2.508	3.479	4.6	20.0
4 11	13 12.54	+ 9 49.0	2.531	3.497	5.1	20.1
4 21	13 5.79	+10 44.5	2.582	3.514	7.1	20.2
5 1	12 59.86	+11 22.8	2.659	3.531	9.5	20.4
5 11	12 55.23	+11 43.1	2.760	3.547	11.6	20.6

278165 2007 DE_{41} 4 9.6 81.°81 10.°6/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.28	+ 0 56.6	0.975	1.841	20.8	19.7
3 12	13 33.75	+ 4 55.5	0.928	1.851	16.1	19.4
3 22	13 28.71	+ 9 12.2	0.902	1.861	12.0	19.3
4 1	13 21.05	+13 20.5	0.902	1.872	10.7	19.2
4 11	13 12.29	+16 52.9	0.926	1.882	13.1	19.4
4 21	13 4.05	+19 31.3	0.973	1.892	17.2	19.6
5 1	12 57.80	+21 9.3	1.038	1.902	21.3	19.9
5 11	12 54.43	+21 51.3	1.118	1.912	24.6	20.2

270308 2001 WS_{53} 4 9.6 324.°33 4.°1/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.56	+ 1 15.3	1.550	2.375	16.4	19.8
3 12	13 37.70	+ 1 30.3	1.465	2.366	12.9	19.6
3 22	13 31.02	+ 1 49.3	1.401	2.356	8.9	19.3
4 1	13 22.13	+ 2 6.9	1.361	2.347	5.1	19.0
4 11	13 12.09	+ 2 16.8	1.347	2.339	4.6	19.0
4 21	13 2.16	+ 2 14.1	1.359	2.331	8.2	19.2
5 1	12 53.57	+ 1 55.1	1.395	2.323	12.5	19.4
5 11	12 47.28	+ 1 18.9	1.453	2.316	16.4	19.6

232508 2003 QW_{74} 4 9.6 161.°92 0.°4/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.06	− 9 32.1	2.325	3.112	12.9	20.8
3 12	13 33.12	− 8 55.7	2.237	3.116	10.1	20.6
3 22	13 27.33	− 8 7.7	2.172	3.120	6.8	20.4
4 1	13 20.19	− 7 11.3	2.134	3.123	3.1	20.1
4 11	13 12.43	− 6 11.2	2.125	3.126	0.8	19.9
4 21	13 4.81	− 5 12.7	2.145	3.129	4.5	20.2
5 1	12 58.08	− 4 20.9	2.193	3.131	8.1	20.4
5 11	12 52.86	− 3 39.9	2.267	3.133	11.2	20.6

126140 2001 YG_{128} 4 9.6 252.°92 4.°7/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.71	−19 50.5	1.727	2.483	17.8	19.9
3 12	13 38.79	−20 19.1	1.619	2.467	14.9	19.6
3 22	13 31.96	−20 28.9	1.531	2.450	11.4	19.4
4 1	13 22.70	−20 17.7	1.465	2.433	7.5	19.1
4 11	13 11.98	−19 45.8	1.425	2.415	4.8	18.9
4 21	13 1.08	−18 57.1	1.412	2.397	6.2	18.9
5 1	12 51.35	−17 58.6	1.425	2.378	10.2	19.1
5 11	12 43.90	−16 59.4	1.461	2.358	14.3	19.3

246026 2006 UF_{54} 4 9.6 243.°89 1.°9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.52	−19 1.7	2.848	3.587	11.9	21.7
3 12	13 31.78	−18 25.6	2.727	3.569	9.7	21.5
3 22	13 26.39	−17 33.6	2.629	3.551	7.1	21.3
4 1	13 19.77	−16 26.8	2.558	3.532	4.2	21.1
4 11	13 12.50	−15 8.0	2.516	3.513	2.0	20.9
4 21	13 5.23	−13 42.1	2.505	3.493	3.6	20.9
5 1	12 58.65	−12 14.6	2.524	3.472	6.6	21.1
5 11	12 53.30	−10 51.4	2.570	3.451	9.5	21.3

234782 2002 PX_{184} 4 9.6 274.°28 1.°7/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.25	− 6 30.6	2.042	2.849	13.7	20.8
3 12	13 32.00	− 5 40.9	1.956	2.848	10.6	20.6
3 22	13 26.72	− 4 39.7	1.893	2.847	7.1	20.4
4 1	13 19.95	− 3 31.5	1.856	2.847	3.3	20.1
4 11	13 12.47	− 2 22.5	1.848	2.846	2.2	20.1
4 21	13 5.13	− 1 19.0	1.867	2.845	5.7	20.3
5 1	12 58.76	− 0 26.8	1.913	2.845	9.4	20.5
5 11	12 54.02	+ 0 10.2	1.983	2.844	12.8	20.7

22192 Vivienreuter 4 9.6 190.°71 0.°9/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.95	− 8 44.7	2.232	3.024	13.2	19.7
3 12	13 33.16	− 7 59.3	2.140	3.023	10.3	19.5
3 22	13 27.43	− 7 1.8	2.071	3.021	6.9	19.3
4 1	13 20.27	− 5 55.7	2.030	3.020	3.2	19.1
4 11	13 12.42	− 4 46.3	2.017	3.017	1.3	18.9
4 21	13 4.69	− 3 39.7	2.033	3.015	5.0	19.2
5 1	12 57.87	− 2 41.5	2.077	3.012	8.6	19.4
5 11	12 52.60	− 1 56.0	2.146	3.008	11.9	19.6

426185 2012 JF_{34} 4 9.6 320.°80 1.°1/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.14	− 6 10.3	1.464	2.287	17.4	20.7
3 12	13 35.36	− 6 8.6	1.370	2.269	13.8	20.5
3 22	13 29.67	− 5 55.8	1.295	2.252	9.4	20.1
4 1	13 21.60	− 5 34.8	1.244	2.235	4.4	19.8
4 11	13 12.18	− 5 10.8	1.218	2.219	1.6	19.6
4 21	13 2.68	− 4 49.8	1.217	2.203	6.7	19.8
5 1	12 54.46	− 4 37.7	1.240	2.189	11.9	20.1
5 11	12 48.59	− 4 39.4	1.285	2.174	16.4	20.3

348795 2006 QL_{10} 4 9.6 212.°07 1.°0/ 8.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 43.25	− 6 22.5	2.190	2.977	13.6	21.4
3 12	13 38.19	− 6 6.7	2.090	2.969	10.7	21.1
3 22	13 30.93	− 5 42.1	2.012	2.960	7.2	20.9
4 1	13 21.98	− 5 11.2	1.961	2.951	3.4	20.6
4 11	13 12.14	− 4 38.2	1.940	2.941	1.4	20.5
4 21	13 2.33	− 4 7.6	1.948	2.930	5.2	20.7
5 1	12 53.49	− 3 43.8	1.985	2.918	9.1	20.9
5 11	12 46.37	− 3 30.5	2.046	2.905	12.5	21.1

428873 2008 UJ_{197} 4 9.6 195.°86 2.°3/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.17	− 2 52.9	2.215	3.019	12.9	22.1
3 12	13 34.09	− 2 17.2	2.127	3.018	10.0	21.9
3 22	13 28.05	− 1 34.3	2.063	3.016	6.7	21.7
4 1	13 20.56	− 0 48.4	2.026	3.014	3.4	21.5
4 11	13 12.38	− 0 4.7	2.017	3.012	2.8	21.4
4 21	13 4.32	+ 0 32.0	2.037	3.010	5.9	21.6
5 1	12 57.20	+ 0 57.6	2.084	3.007	9.3	21.8
5 11	12 51.64	+ 1 9.4	2.155	3.004	12.3	22.0

284338 2006 RA_{41} 4 9.6 112.°28 4.°2/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.35	−23 12.1	2.312	3.041	14.5	20.9
3 12	13 32.80	−23 17.0	2.217	3.045	12.2	20.7
3 22	13 27.25	−23 3.7	2.143	3.048	9.4	20.5
4 1	13 20.21	−22 31.8	2.093	3.051	6.5	20.3
4 11	13 12.44	−21 43.0	2.070	3.054	4.4	20.2
4 21	13 4.78	−20 41.6	2.075	3.057	4.9	20.2
5 1	12 58.07	−19 33.5	2.108	3.060	7.5	20.4
5 11	12 52.96	−18 25.3	2.166	3.063	10.4	20.6

20148 1996 TR 4 9.6 174.°62 1.°7/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 39.17	− 7 23.4	1.852	2.654	15.1	19.5
3 12	13 35.26	− 6 28.1	1.767	2.657	11.7	19.3
3 22	13 29.03	− 5 19.1	1.706	2.659	7.8	19.0
4 1	13 21.08	− 4 1.2	1.670	2.660	3.6	18.8
4 11	13 12.30	− 2 41.6	1.662	2.661	2.2	18.7
4 21	13 3.70	− 1 27.9	1.682	2.661	6.2	18.9
5 1	12 56.25	− 0 26.8	1.729	2.661	10.3	19.2
5 11	12 50.70	+ 0 16.9	1.800	2.660	13.9	19.4

125222 2001 UW_{156} 4 9.6 243.°81 0.°3/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.31	−10 13.9	2.178	2.963	13.7	20.9
3 12	13 34.44	− 9 37.4	2.069	2.947	10.8	20.7
3 22	13 28.46	− 8 47.1	1.983	2.930	7.4	20.5
4 1	13 20.85	− 7 45.8	1.923	2.912	3.5	20.2
4 11	13 12.33	− 6 38.1	1.892	2.894	0.8	19.9
4 21	13 3.79	− 5 30.2	1.890	2.875	5.0	20.2
5 1	12 56.13	− 4 28.3	1.916	2.855	9.0	20.4
5 11	12 50.09	− 3 38.0	1.967	2.835	12.6	20.6

124403 2001 QZ_{204} 4 9.6 187.°05 3.°2/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 41.48	−18 7.3	1.678	2.447	17.8	20.3
3 12	13 37.57	−18 7.9	1.588	2.447	14.6	20.1
3 22	13 30.90	−17 47.9	1.517	2.446	10.7	19.8
4 1	13 22.07	−17 7.2	1.469	2.446	6.4	19.6
4 11	13 12.14	−16 9.0	1.448	2.444	3.3	19.4
4 21	13 2.31	−14 59.6	1.453	2.442	5.5	19.5
5 1	12 53.82	−13 47.5	1.485	2.440	9.7	19.7
5 11	12 47.58	−12 41.4	1.541	2.437	13.8	20.0

14951 1996 BS_2 4 9.6 225.°00 4.°4/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 40.99	− 0 4.9	1.816	2.631	14.8	18.0
3 12	13 36.85	+ 1 2.2	1.724	2.621	11.6	17.8
3 22	13 30.25	+ 2 18.2	1.656	2.609	8.0	17.5
4 1	13 21.72	+ 3 36.4	1.614	2.597	4.9	17.3
4 11	13 12.20	+ 4 48.6	1.599	2.585	5.1	17.3
4 21	13 2.73	+ 5 47.1	1.612	2.571	8.4	17.5
5 1	12 54.40	+ 6 26.0	1.650	2.557	12.3	17.7
5 11	12 48.03	+ 6 42.7	1.711	2.542	15.8	17.9

384981 2012 TZ_{178} 4 9.6 11.°24 3.°1/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.54	−19 17.5	2.060	2.819	15.2	20.8
3 12	13 32.37	−19 10.1	1.967	2.819	12.5	20.6
3 22	13 27.06	−18 44.2	1.895	2.820	9.2	20.4
4 1	13 20.16	−18 0.5	1.848	2.821	5.7	20.1
4 11	13 12.46	−17 2.0	1.827	2.821	3.1	20.0
4 21	13 4.88	−15 53.9	1.834	2.822	4.6	20.1
5 1	12 58.31	−14 43.1	1.868	2.823	8.0	20.3
5 11	12 53.46	−13 36.7	1.927	2.824	11.4	20.5

13873 2657 P–L 4 9.6 337.°41 0.°7/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.79	− 7 37.1	1.452	2.270	17.7	18.2
3 12	13 35.73	− 7 28.8	1.368	2.265	14.0	18.0
3 22	13 29.80	− 7 7.3	1.305	2.260	9.5	17.7
4 1	13 21.60	− 6 35.8	1.265	2.256	4.4	17.4
4 11	13 12.22	− 5 59.9	1.250	2.252	1.2	17.1
4 21	13 2.97	− 5 26.1	1.261	2.248	6.4	17.5
5 1	12 55.11	− 5 1.1	1.297	2.245	11.4	17.7
5 11	12 49.61	− 4 49.9	1.353	2.243	15.8	18.0

155971 2001 QK_{224} 4 9.6 266.°66 1.°8/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 39.58	− 7 7.7	1.508	2.324	17.3	21.0
3 12	13 36.42	− 6 28.8	1.410	2.307	13.7	20.7
3 22	13 30.37	− 5 33.7	1.333	2.289	9.3	20.4
4 1	13 21.94	− 4 26.8	1.280	2.271	4.3	20.1
4 11	13 12.16	− 3 15.5	1.253	2.253	2.4	19.9
4 21	13 2.31	− 2 8.6	1.253	2.235	7.3	20.2
5 1	12 53.73	− 1 14.9	1.276	2.216	12.4	20.4
5 11	12 47.48	− 0 40.4	1.322	2.197	17.0	20.6

455295 2002 CM_{266} 4 9.6 85.°76 1.°9/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 41.63	− 6 25.9	1.484	2.299	17.6	22.2
3 12	13 37.49	− 5 42.5	1.423	2.318	13.6	22.0
3 22	13 30.63	− 4 46.0	1.382	2.337	9.0	21.8
4 1	13 21.82	− 3 42.2	1.366	2.356	4.2	21.5
4 11	13 12.23	− 2 38.8	1.376	2.375	2.5	21.4
4 21	13 3.08	− 1 43.7	1.413	2.394	6.9	21.8
5 1	12 55.49	− 1 3.3	1.475	2.412	11.3	22.1
5 11	12 50.21	− 0 41.3	1.559	2.429	15.1	22.3

44786 1999 TQ_{171} 4 9.6 0.°77 0.°9/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.85	− 8 44.4	1.438	2.259	17.8	19.0
3 12	13 34.16	− 8 12.5	1.360	2.258	14.0	18.7
3 22	13 28.67	− 7 24.1	1.301	2.257	9.4	18.5
4 1	13 21.04	− 6 23.6	1.266	2.257	4.3	18.2
4 11	13 12.35	− 5 18.2	1.256	2.258	1.5	18.0
4 21	13 3.84	− 4 16.4	1.272	2.258	6.6	18.3
5 1	12 56.75	− 3 26.3	1.312	2.259	11.5	18.6
5 11	12 51.95	− 2 53.5	1.374	2.261	15.8	18.8

376370 2011 OX_{26} 4 9.6 236.°63 2.°0/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.97	+ 1 47.0	4.678	5.480	6.6	21.1
3 12	13 25.95	+ 2 18.6	4.586	5.475	5.1	21.0
3 22	13 22.09	+ 2 51.9	4.521	5.471	3.5	20.9
4 1	13 17.64	+ 3 24.5	4.484	5.466	2.2	20.8
4 11	13 12.91	+ 3 54.2	4.478	5.461	2.2	20.8
4 21	13 8.23	+ 4 19.1	4.501	5.456	3.6	20.9
5 1	13 3.92	+ 4 37.3	4.553	5.452	5.2	21.0
5 11	13 0.26	+ 4 47.9	4.631	5.447	6.8	21.1

422136 2014 QQ_{425} 4 9.6 178.°96 1.°9/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 41.36	− 5 40.7	1.826	2.629	15.2	21.7
3 12	13 37.02	− 5 2.0	1.742	2.631	11.9	21.5
3 22	13 30.27	− 4 11.9	1.679	2.632	7.9	21.3
4 1	13 21.70	− 3 15.2	1.643	2.633	3.8	21.0
4 11	13 12.25	− 2 18.0	1.634	2.633	2.4	20.9
4 21	13 2.96	− 1 26.9	1.654	2.632	6.3	21.2
5 1	12 54.88	− 0 47.8	1.699	2.631	10.4	21.4
5 11	12 48.76	− 0 24.4	1.769	2.629	14.1	21.6

61722 2000 QY_{144} 4 9.6 121.°17 0.°2/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.60	− 9 33.0	2.572	3.349	12.0	19.6
3 12	13 34.11	− 9 28.5	2.486	3.359	9.4	19.4
3 22	13 27.91	− 9 15.2	2.424	3.368	6.4	19.3
4 1	13 20.47	− 8 55.0	2.389	3.376	3.1	19.0
4 11	13 12.46	− 8 30.8	2.383	3.385	0.5	18.8
4 21	13 4.60	− 8 6.0	2.407	3.393	3.9	19.1
5 1	12 57.57	− 7 44.2	2.459	3.401	7.1	19.3
5 11	12 51.93	− 7 28.6	2.537	3.409	10.0	19.5

34187 Tomaino 4 9.6 207.°06 0.°3/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.06	− 8 54.4	2.863	3.642	10.9	20.5
3 12	13 32.05	− 8 28.4	2.762	3.637	8.5	20.3
3 22	13 26.50	− 7 53.6	2.685	3.631	5.7	20.1
4 1	13 19.81	− 7 12.3	2.637	3.625	2.7	19.9
4 11	13 12.56	− 6 27.8	2.617	3.619	0.7	19.7
4 21	13 5.37	− 5 44.0	2.628	3.612	3.8	19.9
5 1	12 58.86	− 5 4.7	2.668	3.605	6.9	20.1
5 11	12 53.55	− 4 33.3	2.734	3.597	9.6	20.3

437739 2014 EF_{28} 4 9.6 52.°61 4.°7/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.05	+ 4 12.8	2.279	3.099	12.0	21.1
3 12	13 31.56	+ 5 15.1	2.204	3.101	9.4	20.9
3 22	13 26.29	+ 6 19.9	2.154	3.104	6.7	20.7
4 1	13 19.72	+ 7 21.5	2.131	3.106	4.8	20.6
4 11	13 12.58	+ 8 13.8	2.135	3.109	5.3	20.6
4 21	13 5.60	+ 8 52.0	2.167	3.111	7.6	20.8
5 1	12 59.51	+ 9 12.9	2.225	3.114	10.3	21.0
5 11	12 54.88	+ 9 15.6	2.305	3.117	12.9	21.1

100200 1994 EL_4 4 9.6 79.°08 0.°7/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.55	− 9 34.2	1.511	2.319	17.7	20.0
3 12	13 36.64	− 8 56.2	1.448	2.339	13.8	19.8
3 22	13 30.06	− 8 2.3	1.406	2.359	9.2	19.6
4 1	13 21.57	− 6 57.3	1.388	2.379	4.2	19.4
4 11	13 12.30	− 5 48.6	1.397	2.398	1.2	19.2
4 21	13 3.47	− 4 44.3	1.432	2.418	6.1	19.6
5 1	12 56.15	− 3 51.6	1.493	2.437	10.6	19.9
5 11	12 51.10	− 3 15.4	1.577	2.456	14.5	20.2

332069 2005 SX_{193} 4 9.6 44.°11 1.°4/11.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.56	−16 28.6	1.614	2.405	17.4	20.5
3 12	13 32.03	−15 43.1	1.537	2.414	14.0	20.2
3 22	13 27.02	−14 34.5	1.480	2.422	9.8	20.0
4 1	13 20.19	−13 6.2	1.447	2.431	5.2	19.8
4 11	13 12.54	−11 25.1	1.440	2.441	1.4	19.5
4 21	13 5.15	− 9 40.6	1.460	2.451	5.1	19.8
5 1	12 59.05	− 8 2.9	1.506	2.461	9.7	20.1
5 11	12 54.99	− 6 40.1	1.576	2.471	13.7	20.3

212826 2007 UZ_{31} 4 9.6 160.°23 1.°3/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.19	− 6 45.1	2.028	2.820	14.3	21.4
3 12	13 37.38	− 6 12.5	1.944	2.827	11.2	21.2
3 22	13 30.35	− 5 29.3	1.884	2.834	7.5	21.0
4 1	13 21.70	− 4 39.4	1.850	2.840	3.5	20.7
4 11	13 12.30	− 3 48.0	1.845	2.845	1.7	20.6
4 21	13 3.10	− 3 0.8	1.869	2.849	5.5	20.9
5 1	12 55.01	− 2 22.9	1.920	2.853	9.4	21.1
5 11	12 48.74	− 1 58.0	1.996	2.856	12.8	21.3

228341 2000 SK_{136} 4 9.6 148.°79 1.°4/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.49	−14 53.5	2.472	3.230	13.0	21.8
3 12	13 34.92	−14 36.7	2.384	3.241	10.4	21.6
3 22	13 28.51	−14 6.7	2.318	3.251	7.3	21.4
4 1	13 20.78	−13 25.0	2.279	3.260	4.0	21.2
4 11	13 12.45	−12 34.8	2.269	3.269	1.4	21.0
4 21	13 4.28	−11 40.7	2.289	3.277	3.8	21.2
5 1	12 57.02	−10 47.8	2.338	3.284	7.1	21.5
5 11	12 51.25	−10 0.7	2.412	3.291	10.1	21.7

166868 2002 XN_{43} 4 9.6 58.°92 5.°5/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.31	+ 6 37.8	2.085	2.905	13.0	19.9
3 12	13 34.23	+ 7 27.3	2.015	2.910	10.2	19.7
3 22	13 28.15	+ 8 16.9	1.969	2.915	7.5	19.5
4 1	13 20.63	+ 9 0.4	1.949	2.920	5.6	19.4
4 11	13 12.48	+ 9 32.0	1.956	2.926	6.0	19.5
4 21	13 4.56	+ 9 47.3	1.990	2.931	8.4	19.6
5 1	12 57.69	+ 9 44.2	2.050	2.937	11.2	19.8
5 11	12 52.48	+ 9 22.7	2.131	2.943	13.8	20.0

406546 2007 WN_{32} 4 9.6 148.°69 2.°1/11.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.64	−15 37.5	1.871	2.640	16.1	22.1
3 12	13 37.27	−15 31.9	1.785	2.648	13.0	21.9
3 22	13 30.46	−15 9.4	1.721	2.655	9.3	21.7
4 1	13 21.81	−14 30.9	1.681	2.662	5.2	21.5
4 11	13 12.28	−13 40.1	1.668	2.668	2.1	21.3
4 21	13 2.94	−12 42.8	1.684	2.673	4.8	21.5
5 1	12 54.83	−11 45.8	1.727	2.678	8.9	21.7
5 11	12 48.71	−10 55.7	1.794	2.682	12.6	22.0

178399 1998 MT_{30} 4 9.6 331.°85 3.°2/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.18	−18 38.0	2.168	2.927	14.5	20.3
3 12	13 32.06	−18 46.4	2.069	2.920	11.9	20.1
3 22	13 26.89	−18 38.8	1.990	2.914	8.9	19.9
4 1	13 20.13	−18 15.2	1.936	2.908	5.6	19.7
4 11	13 12.55	−17 37.7	1.909	2.902	3.2	19.5
4 21	13 5.00	−16 50.3	1.909	2.896	4.6	19.6
5 1	12 58.37	−15 58.7	1.936	2.891	7.8	19.8
5 11	12 53.36	−15 8.9	1.988	2.886	11.1	20.0

454756 2014 WV_6 4 9.6 232.°81 0.°3/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 29.01	− 7 21.6	4.769	5.548	6.8	21.6
3 12	13 26.00	− 7 1.0	4.666	5.542	5.3	21.5
3 22	13 22.14	− 6 36.0	4.590	5.537	3.5	21.4
4 1	13 17.69	− 6 7.8	4.542	5.531	1.6	21.2
4 11	13 12.96	− 5 38.6	4.525	5.526	0.5	21.1
4 21	13 8.26	− 5 10.2	4.538	5.520	2.4	21.3
5 1	13 3.92	− 4 44.6	4.581	5.514	4.3	21.4
5 11	13 0.22	− 4 23.5	4.650	5.508	6.0	21.5

267071 1999 TP_{66} 4 9.6 331.°66 0.°4/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 44.02	− 6 48.5	1.610	2.414	16.9	19.9
3 12	13 39.74	− 7 27.5	1.516	2.403	13.5	19.7
3 22	13 32.54	− 7 59.7	1.442	2.392	9.3	19.4
4 1	13 22.97	− 8 26.0	1.393	2.381	4.5	19.1
4 11	13 12.08	− 8 48.1	1.370	2.372	0.7	18.8
4 21	13 1.13	− 9 8.8	1.374	2.363	5.8	19.1
5 1	12 51.47	− 9 31.2	1.405	2.354	10.6	19.4
5 11	12 44.13	− 9 58.7	1.458	2.347	14.9	19.6

229881 2009 US_{71} 4 9.6 130.°83 3.°5/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.50	+ 1 34.4	2.271	3.075	12.6	21.4
3 12	13 36.46	+ 2 13.3	2.200	3.089	9.8	21.2
3 22	13 29.52	+ 2 55.4	2.153	3.103	6.7	21.0
4 1	13 21.24	+ 3 36.1	2.133	3.116	4.0	20.9
4 11	13 12.40	+ 4 10.1	2.142	3.128	4.0	20.9
4 21	13 3.81	+ 4 33.4	2.180	3.140	6.5	21.1
5 1	12 56.25	+ 4 43.1	2.246	3.151	9.5	21.3
5 11	12 50.29	+ 4 38.2	2.335	3.162	12.2	21.5

22575 Jayallen 4 9.6 68.°05 0.°4/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.21	−11 16.8	1.483	2.293	17.8	18.6
3 12	13 34.25	−10 29.1	1.411	2.302	14.0	18.4
3 22	13 28.61	− 9 22.0	1.358	2.311	9.5	18.1
4 1	13 20.97	− 8 0.2	1.330	2.320	4.4	17.8
4 11	13 12.44	− 6 32.0	1.328	2.330	1.0	17.6
4 21	13 4.20	− 5 6.7	1.352	2.339	6.1	18.0
5 1	12 57.39	− 3 53.5	1.402	2.349	10.9	18.3
5 11	12 52.81	− 2 58.7	1.474	2.358	15.0	18.5

221176 2005 UN_9 4 9.6 132.°42 1.°7/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.40	− 6 15.4	2.155	2.953	13.4	21.6
3 12	13 34.23	− 5 21.0	2.078	2.965	10.3	21.4
3 22	13 28.11	− 4 16.1	2.025	2.978	6.9	21.2
4 1	13 20.61	− 3 5.5	1.999	2.989	3.2	21.0
4 11	13 12.50	− 1 55.3	2.003	3.000	2.2	20.9
4 21	13 4.62	− 0 51.3	2.035	3.011	5.5	21.2
5 1	12 57.76	+ 0 1.0	2.094	3.021	9.0	21.4
5 11	12 52.52	+ 0 38.4	2.178	3.030	12.1	21.6

470943 2009 HY_{100} 4 9.6 345.°96 8.°4/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.22	+17 22.1	2.148	2.954	13.1	20.8
3 12	13 37.28	+18 6.8	2.079	2.951	11.0	20.6
3 22	13 30.21	+18 43.2	2.033	2.948	9.2	20.5
4 1	13 21.61	+19 4.5	2.012	2.946	8.4	20.4
4 11	13 12.36	+19 5.1	2.018	2.944	9.0	20.5
4 21	13 3.37	+18 42.4	2.049	2.942	10.8	20.6
5 1	12 55.52	+17 56.2	2.104	2.940	13.0	20.7
5 11	12 49.46	+16 49.1	2.180	2.939	15.1	20.9

353134 2009 FP_{71} 4 9.6 65.°67 3.°1/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.52	−18 3.1	2.270	3.022	14.2	20.7
3 12	13 34.49	−18 22.1	2.179	3.026	11.6	20.5
3 22	13 28.43	−18 26.8	2.109	3.030	8.6	20.3
4 1	13 20.83	−18 17.1	2.064	3.034	5.4	20.1
4 11	13 12.47	−17 54.7	2.046	3.038	3.2	20.0
4 21	13 4.21	−17 22.9	2.057	3.043	4.5	20.1
5 1	12 56.90	−16 46.7	2.095	3.047	7.5	20.3
5 11	12 51.20	−16 11.2	2.159	3.051	10.6	20.5

383769 2007 VF_{242} 4 9.6 108.°47 5.°3/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.42	+ 7 15.5	2.368	3.183	11.8	21.0
3 12	13 33.26	+ 8 17.2	2.304	3.195	9.3	20.9
3 22	13 27.35	+ 9 18.6	2.264	3.207	6.9	20.7
4 1	13 20.22	+10 13.9	2.251	3.218	5.4	20.6
4 11	13 12.59	+10 57.5	2.267	3.230	5.9	20.7
4 21	13 5.19	+11 25.3	2.310	3.241	7.9	20.8
5 1	12 58.72	+11 35.3	2.379	3.252	10.4	21.0
5 11	12 53.71	+11 27.1	2.470	3.263	12.7	21.2

62395 2000 SZ_{169} 4 9.6 326.°41 1.°7/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.13	−17 26.3	1.793	2.573	16.4	18.8
3 12	13 31.59	−16 40.9	1.700	2.570	13.2	18.6
3 22	13 26.72	−15 32.8	1.628	2.567	9.4	18.3
4 1	13 20.10	−14 4.1	1.581	2.564	5.2	18.1
4 11	13 12.60	−12 20.9	1.560	2.561	1.7	17.8
4 21	13 5.24	−10 31.7	1.568	2.558	4.9	18.0
5 1	12 59.01	− 8 46.4	1.602	2.556	9.2	18.3
5 11	12 54.65	− 7 13.7	1.661	2.553	13.2	18.5

290916 2005 WN_{114} 4 9.6 174.°60 0.°6/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.30	−11 45.0	2.396	3.166	13.0	22.1
3 12	13 35.65	−11 30.0	2.302	3.169	10.3	21.9
3 22	13 29.10	−11 3.4	2.232	3.172	7.1	21.7
4 1	13 21.12	−10 27.0	2.188	3.174	3.5	21.4
4 11	13 12.45	− 9 44.3	2.173	3.175	0.7	21.2
4 21	13 3.89	− 8 59.7	2.188	3.175	4.1	21.5
5 1	12 56.24	− 8 17.9	2.232	3.175	7.6	21.7
5 11	12 50.12	− 7 43.3	2.302	3.174	10.8	21.9

504620 2008 UK_{317} 4 9.6 218.°08 6.°2/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.71	−30 13.8	2.455	3.133	15.0	22.0
3 12	13 34.78	−30 26.5	2.345	3.126	13.0	21.8
3 22	13 28.72	−30 18.4	2.254	3.118	10.7	21.6
4 1	13 21.02	−29 47.3	2.185	3.110	8.4	21.4
4 11	13 12.46	−28 53.5	2.143	3.101	6.5	21.3
4 21	13 3.93	−27 40.0	2.128	3.092	6.4	21.3
5 1	12 56.33	−26 12.8	2.140	3.082	8.0	21.4
5 11	12 50.40	−24 39.7	2.179	3.072	10.5	21.5

470863 2008 YX_{144} 4 9.6 284.°00 5.°3/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.16	−24 48.2	2.190	2.914	15.4	21.4
3 12	13 33.74	−25 10.6	2.087	2.907	13.1	21.2
3 22	13 28.11	−25 14.1	2.004	2.899	10.4	21.0
4 1	13 20.77	−24 57.1	1.943	2.892	7.6	20.8
4 11	13 12.50	−24 20.1	1.908	2.885	5.5	20.7
4 21	13 4.23	−23 26.6	1.901	2.877	5.8	20.7
5 1	12 56.92	−22 22.3	1.920	2.870	8.2	20.8
5 11	12 51.35	−21 14.6	1.965	2.863	11.2	20.9

346698 2008 YN_{134} 4 9.6 290.°23 5.°5/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.25	+ 5 42.7	2.010	2.831	13.4	20.5
3 12	13 34.37	+ 6 35.6	1.932	2.828	10.5	20.3
3 22	13 28.38	+ 7 30.0	1.876	2.824	7.6	20.1
4 1	13 20.81	+ 8 19.5	1.847	2.821	5.6	19.9
4 11	13 12.51	+ 8 57.6	1.845	2.817	6.1	20.0
4 21	13 4.36	+ 9 19.3	1.870	2.814	8.6	20.1
5 1	12 57.26	+ 9 21.7	1.919	2.811	11.6	20.3
5 11	12 51.88	+ 9 4.3	1.991	2.807	14.4	20.5

247768 2003 QB_{54} 4 9.6 229.°39 0.°8/ 8.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.83	− 8 0.5	1.978	2.769	14.6	21.8
3 12	13 37.42	− 7 35.3	1.875	2.757	11.6	21.6
3 22	13 30.64	− 6 57.9	1.795	2.744	7.9	21.3
4 1	13 21.98	− 6 11.4	1.741	2.730	3.7	21.0
4 11	13 12.31	− 5 20.7	1.715	2.716	1.2	20.8
4 21	13 2.62	− 4 31.5	1.717	2.700	5.5	21.1
5 1	12 53.96	− 3 49.9	1.747	2.684	9.8	21.3
5 11	12 47.14	− 3 20.5	1.801	2.668	13.6	21.5

72486 2001 DT_{41} 4 9.6 147.°57 0.°4/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.19	− 9 29.3	1.880	2.672	15.3	20.2
3 12	13 36.80	− 9 1.2	1.799	2.680	12.0	20.0
3 22	13 30.08	− 8 19.9	1.739	2.687	8.1	19.8
4 1	13 21.64	− 7 28.5	1.705	2.694	3.8	19.6
4 11	13 12.39	− 6 32.6	1.699	2.701	0.9	19.4
4 21	13 3.35	− 5 38.3	1.722	2.707	5.3	19.7
5 1	12 55.51	− 4 51.6	1.771	2.712	9.4	19.9
5 11	12 49.59	− 4 17.4	1.845	2.717	13.1	20.2

502876 2015 DY_{209} 4 9.6 34.°53 5.°5/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.11	+ 4 0.6	2.026	2.854	13.0	21.6
3 12	13 31.09	+ 5 28.9	1.956	2.857	10.2	21.4
3 22	13 26.12	+ 7 1.4	1.909	2.860	7.3	21.2
4 1	13 19.73	+ 8 30.3	1.889	2.863	5.5	21.1
4 11	13 12.69	+ 9 47.8	1.897	2.866	6.3	21.2
4 21	13 5.85	+10 47.6	1.932	2.870	8.8	21.3
5 1	12 59.98	+11 25.8	1.991	2.874	11.7	21.5
5 11	12 55.71	+11 41.1	2.071	2.877	14.3	21.7

407745 2011 VQ_{20} 4 9.6 114.°26 0.°7/ 9.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.80	− 8 17.8	1.503	2.314	17.6	22.0
3 12	13 37.17	− 7 59.5	1.423	2.316	13.8	21.8
3 22	13 30.70	− 7 27.1	1.364	2.317	9.4	21.5
4 1	13 22.05	− 6 43.8	1.328	2.319	4.4	21.2
4 11	13 12.32	− 5 56.0	1.319	2.320	1.2	21.0
4 21	13 2.79	− 5 10.6	1.335	2.322	6.3	21.3
5 1	12 54.69	− 4 34.6	1.377	2.323	11.1	21.6
5 11	12 48.92	− 4 13.1	1.441	2.324	15.4	21.9

210053 2006 PG_{21} 4 9.6 261.°44 1.°3/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.73	−13 17.8	2.268	3.042	13.5	20.8
3 12	13 33.92	−13 16.0	2.165	3.033	10.9	20.6
3 22	13 28.10	−13 1.7	2.085	3.023	7.7	20.3
4 1	13 20.72	−12 35.9	2.030	3.013	4.1	20.1
4 11	13 12.53	−12 1.6	2.003	3.004	1.3	19.9
4 21	13 4.36	−11 22.8	2.005	2.994	4.2	20.1
5 1	12 57.04	−10 44.4	2.035	2.984	7.9	20.3
5 11	12 51.29	−10 11.3	2.089	2.974	11.2	20.5

208183 2000 QD_{129} 4 9.6 247.°17 0.°3/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.51	−11 38.7	2.540	3.318	12.2	21.0
3 12	13 31.93	−11 10.9	2.434	3.306	9.6	20.8
3 22	13 26.61	−10 31.1	2.350	3.294	6.6	20.5
4 1	13 19.98	− 9 41.4	2.294	3.281	3.2	20.3
4 11	13 12.66	− 8 45.6	2.267	3.269	0.5	20.0
4 21	13 5.36	− 7 48.3	2.269	3.256	4.0	20.3
5 1	12 58.81	− 6 54.5	2.299	3.242	7.4	20.5
5 11	12 53.60	− 6 8.7	2.355	3.229	10.5	20.7

5080 Oja 4 9.6 112.°93 2.°4/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 44.46	−14 42.6	1.559	2.341	18.3	16.4
3 12	13 39.91	−14 53.3	1.484	2.354	14.8	16.1
3 22	13 32.48	−14 46.3	1.428	2.366	10.5	15.9
4 1	13 22.86	−14 22.1	1.396	2.378	5.9	15.7
4 11	13 12.21	−13 44.4	1.390	2.390	2.4	15.5
4 21	13 1.86	−12 59.2	1.411	2.401	5.5	15.7
5 1	12 53.05	−12 13.9	1.459	2.412	10.0	16.0
5 11	12 46.66	−11 35.5	1.529	2.422	14.1	16.2

145314 2005 LE_5 4 9.6 283.°16 1.°9/ 8.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.55	− 6 24.0	1.660	2.475	16.0	20.6
3 12	13 34.56	− 5 43.2	1.561	2.457	12.6	20.4
3 22	13 28.98	− 4 48.1	1.482	2.438	8.5	20.1
4 1	13 21.29	− 3 43.2	1.429	2.419	4.0	19.8
4 11	13 12.44	− 2 35.2	1.401	2.400	2.5	19.6
4 21	13 3.54	− 1 32.4	1.401	2.382	6.9	19.8
5 1	12 55.75	− 0 42.1	1.426	2.363	11.6	20.0
5 11	12 50.03	− 0 9.9	1.472	2.344	15.8	20.3

178032 2006 RY_{52} 4 9.6 98.°74 0.°5/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.65	− 9 1.0	2.504	3.291	12.0	21.1
3 12	13 31.84	− 8 22.5	2.427	3.307	9.4	20.9
3 22	13 26.39	− 7 34.0	2.374	3.322	6.2	20.8
4 1	13 19.80	− 6 38.7	2.348	3.337	2.9	20.6
4 11	13 12.71	− 5 41.1	2.351	3.352	0.9	20.4
4 21	13 5.82	− 4 45.9	2.384	3.367	4.2	20.7
5 1	12 59.77	− 3 57.6	2.445	3.381	7.4	20.9
5 11	12 55.08	− 3 19.7	2.531	3.396	10.2	21.1

342892 2008 YG_{99} 4 9.6 193.°59 2.°5/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.56	−17 42.8	2.408	3.159	13.4	21.9
3 12	13 33.64	−17 40.4	2.309	3.158	11.0	21.7
3 22	13 27.82	−17 23.2	2.232	3.157	8.0	21.5
4 1	13 20.56	−16 52.0	2.181	3.155	4.9	21.3
4 11	13 12.59	−16 9.0	2.158	3.153	2.5	21.1
4 21	13 4.68	−15 18.5	2.163	3.151	4.1	21.2
5 1	12 57.64	−14 25.5	2.197	3.149	7.2	21.4
5 11	12 52.11	−13 35.5	2.257	3.146	10.3	21.6

419738 2010 VW_{66} 4 9.6 246.°70 3.°9/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.41	− 1 6.1	1.824	2.641	14.7	21.5
3 12	13 35.67	− 0 8.7	1.731	2.628	11.5	21.3
3 22	13 29.51	+ 0 58.0	1.660	2.615	7.9	21.0
4 1	13 21.47	+ 2 7.9	1.615	2.601	4.5	20.8
4 11	13 12.43	+ 3 13.3	1.597	2.587	4.5	20.8
4 21	13 3.43	+ 4 7.1	1.607	2.572	7.9	20.9
5 1	12 55.51	+ 4 43.2	1.642	2.557	11.8	21.1
5 11	12 49.50	+ 4 58.9	1.699	2.541	15.4	21.3

299594 2006 HL_{34} 4 9.6 32.°73 2.°0/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.16	− 5 2.2	1.151	1.989	20.1	20.4
3 12	13 37.20	− 4 49.7	1.092	2.000	15.7	20.2
3 22	13 30.93	− 4 24.7	1.051	2.011	10.5	19.9
4 1	13 22.18	− 3 52.7	1.032	2.024	4.9	19.6
4 11	13 12.35	− 3 21.0	1.037	2.037	2.6	19.5
4 21	13 2.97	− 2 57.0	1.066	2.051	7.7	19.8
5 1	12 55.45	− 2 46.9	1.118	2.066	12.8	20.2
5 11	12 50.72	− 2 54.0	1.189	2.082	17.3	20.5

181846 1998 UG_2 4 9.6 225.°41 0.°5/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.23	−11 33.6	2.266	3.039	13.6	21.7
3 12	13 36.67	−11 17.8	2.158	3.026	10.8	21.5
3 22	13 29.99	−10 49.5	2.072	3.013	7.5	21.2
4 1	13 21.65	−10 10.2	2.013	2.999	3.7	21.0
4 11	13 12.41	− 9 23.7	1.982	2.984	0.6	20.7
4 21	13 3.16	− 8 34.5	1.981	2.968	4.5	20.9
5 1	12 54.78	− 7 48.1	2.009	2.952	8.4	21.1
5 11	12 48.03	− 7 9.6	2.062	2.935	11.9	21.3

66788 1999 TL_{230} 4 9.6 163.°13 0.°8/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.09	− 8 26.1	2.499	3.285	12.1	20.2
3 12	13 33.03	− 7 40.9	2.411	3.290	9.4	20.0
3 22	13 27.26	− 6 45.2	2.347	3.295	6.3	19.8
4 1	13 20.24	− 5 42.5	2.310	3.300	2.9	19.6
4 11	13 12.65	− 4 37.5	2.303	3.304	1.2	19.5
4 21	13 5.21	− 3 35.2	2.326	3.307	4.5	19.7
5 1	12 58.60	− 2 40.7	2.377	3.310	7.8	19.9
5 11	12 53.37	− 1 57.6	2.454	3.312	10.7	20.1

419877 2011 AY_{33} 4 9.6 69.°19 3.°0/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.28	− 4 9.5	1.665	2.485	15.7	21.4
3 12	13 33.88	− 3 3.3	1.601	2.501	12.1	21.2
3 22	13 28.13	− 1 46.1	1.559	2.517	8.0	21.0
4 1	13 20.71	− 0 24.7	1.543	2.532	4.1	20.8
4 11	13 12.59	+ 0 52.4	1.554	2.548	3.6	20.8
4 21	13 4.81	+ 1 57.7	1.592	2.564	7.2	21.1
5 1	12 58.32	+ 2 45.4	1.655	2.580	11.1	21.3
5 11	12 53.79	+ 3 12.5	1.741	2.596	14.5	21.6

47276 1999 VN_{151} 4 9.6 282.°89 1.°1/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.51	− 6 18.7	1.954	2.757	14.4	19.5
3 12	13 34.82	− 6 1.3	1.857	2.746	11.3	19.2
3 22	13 28.86	− 5 33.9	1.783	2.735	7.6	19.0
4 1	13 21.15	− 4 59.7	1.734	2.724	3.6	18.7
4 11	13 12.51	− 4 23.4	1.712	2.712	1.6	18.5
4 21	13 3.89	− 3 50.2	1.718	2.701	5.6	18.8
5 1	12 56.27	− 3 25.1	1.751	2.690	9.7	19.0
5 11	12 50.44	− 3 11.9	1.807	2.679	13.3	19.2

262697 2006 WS_{194} 4 9.6 169.°60 3.°1/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.86	− 1 51.2	2.066	2.873	13.6	20.7
3 12	13 35.54	− 1 0.4	1.985	2.877	10.5	20.5
3 22	13 29.13	− 0 2.0	1.927	2.880	7.1	20.2
4 1	13 21.18	+ 0 58.6	1.896	2.882	3.9	20.0
4 11	13 12.51	+ 1 55.2	1.893	2.884	3.6	20.0
4 21	13 4.02	+ 2 42.1	1.919	2.886	6.6	20.2
5 1	12 56.57	+ 3 14.7	1.971	2.887	10.1	20.4
5 11	12 50.83	+ 3 30.6	2.047	2.887	13.2	20.6

124238 2001 PN_{45} 4 9.6 201.°93 3.°5/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.53	+ 0 32.7	2.312	3.116	12.4	20.7
3 12	13 35.90	+ 1 21.7	2.222	3.111	9.7	20.5
3 22	13 29.31	+ 2 16.0	2.155	3.106	6.6	20.3
4 1	13 21.26	+ 3 10.6	2.116	3.100	4.0	20.1
4 11	13 12.50	+ 4 0.0	2.107	3.093	4.0	20.1
4 21	13 3.83	+ 4 39.0	2.126	3.085	6.7	20.3
5 1	12 56.07	+ 5 4.0	2.172	3.077	9.8	20.5
5 11	12 49.86	+ 5 12.8	2.242	3.068	12.7	20.6

98946 2001 CB_{22} 4 9.6 285.°10 1.°7/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.47	− 5 37.8	1.932	2.740	14.3	19.6
3 12	13 33.93	− 5 6.1	1.845	2.737	11.2	19.4
3 22	13 28.19	− 4 24.2	1.779	2.733	7.5	19.2
4 1	13 20.79	− 3 36.1	1.740	2.730	3.5	18.9
4 11	13 12.57	− 2 47.3	1.727	2.726	2.1	18.8
4 21	13 4.47	− 2 3.6	1.743	2.723	5.9	19.0
5 1	12 57.40	− 1 30.4	1.785	2.720	9.8	19.3
5 11	12 52.10	− 1 11.2	1.850	2.716	13.3	19.5

140774 2001 UC_{131} 4 9.6 43.°11 0.°8/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.29	− 7 37.3	2.154	2.953	13.4	20.2
3 12	13 32.72	− 7 13.7	2.070	2.957	10.4	20.0
3 22	13 27.21	− 6 40.1	2.009	2.960	7.0	19.8
4 1	13 20.27	− 5 59.6	1.974	2.964	3.2	19.6
4 11	13 12.66	− 5 16.7	1.967	2.968	1.1	19.4
4 21	13 5.20	− 4 36.4	1.989	2.973	4.8	19.7
5 1	12 58.69	− 4 3.2	2.037	2.977	8.5	19.9
5 11	12 53.75	− 3 40.8	2.110	2.981	11.7	20.1

498730 2008 TY_{126} 4 9.6 190.°97 2.°7/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.29	−17 7.6	2.169	2.927	14.6	22.0
3 12	13 35.23	−17 15.1	2.073	2.926	11.9	21.8
3 22	13 29.02	−17 7.6	1.999	2.926	8.7	21.6
4 1	13 21.19	−16 45.2	1.949	2.924	5.2	21.4
4 11	13 12.51	−16 10.3	1.928	2.923	2.7	21.2
4 21	13 3.92	−15 26.9	1.934	2.922	4.5	21.4
5 1	12 56.29	−14 40.5	1.968	2.920	7.9	21.6
5 11	12 50.38	−13 57.0	2.028	2.918	11.2	21.8

303388 2004 XO_{49} 4 9.6 165.°07 0.°2/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 43.13	−10 39.5	2.027	2.806	14.8	21.9
3 12	13 38.20	−10 19.1	1.939	2.812	11.7	21.7
3 22	13 30.99	− 9 45.7	1.874	2.818	8.0	21.5
4 1	13 22.09	− 9 1.7	1.835	2.823	3.8	21.2
4 11	13 12.38	− 8 11.7	1.825	2.827	0.6	21.0
4 21	13 2.84	− 7 21.2	1.844	2.830	4.9	21.3
5 1	12 54.43	− 6 35.8	1.891	2.833	8.9	21.5
5 11	12 47.88	− 6 0.5	1.963	2.834	12.4	21.8

503998 2004 XD_{78} 4 9.6 222.°42 5.°0/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.47	−27 38.1	2.715	3.401	13.5	22.3
3 12	13 35.14	−27 43.6	2.597	3.389	11.6	22.1
3 22	13 28.87	−27 30.9	2.500	3.376	9.4	22.0
4 1	13 21.10	−26 58.5	2.426	3.362	7.0	21.8
4 11	13 12.53	−26 7.1	2.380	3.348	5.3	21.6
4 21	13 3.95	−24 59.7	2.363	3.333	5.3	21.6
5 1	12 56.18	−23 41.4	2.374	3.318	7.2	21.7
5 11	12 49.88	−22 19.0	2.413	3.301	9.8	21.8

112861 2002 QE_{31} 4 9.6 334.°67 1.°1/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.86	− 6 18.3	1.233	2.069	19.2	19.3
3 12	13 34.87	− 6 19.5	1.148	2.054	15.2	19.0
3 22	13 29.66	− 6 7.9	1.081	2.041	10.4	18.7
4 1	13 21.78	− 5 46.9	1.036	2.028	4.9	18.3
4 11	13 12.41	− 5 22.4	1.015	2.016	1.6	18.1
4 21	13 3.01	− 5 1.2	1.017	2.005	7.3	18.4
5 1	12 55.12	− 4 50.3	1.042	1.996	12.9	18.6
5 11	12 49.92	− 4 54.8	1.087	1.988	17.8	18.9

24674 1989 SZ_4 4 9.6 110.°78 1.°8/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 43.08	− 6 3.7	1.408	2.224	18.3	18.2
3 12	13 39.03	− 5 38.7	1.336	2.232	14.3	18.0
3 22	13 31.98	− 5 0.8	1.285	2.240	9.6	17.7
4 1	13 22.67	− 4 14.7	1.257	2.247	4.5	17.4
4 11	13 12.30	− 3 27.6	1.255	2.254	2.3	17.3
4 21	13 2.25	− 2 47.0	1.279	2.262	7.1	17.6
5 1	12 53.79	− 2 19.2	1.327	2.268	11.9	17.9
5 11	12 47.85	− 2 8.4	1.397	2.275	16.1	18.2

84886 2003 FE_{102} 4 9.6 304.°20 4.°8/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.71	+ 2 5.2	1.727	2.553	15.0	19.8
3 12	13 35.16	+ 2 52.7	1.645	2.546	11.8	19.5
3 22	13 29.17	+ 3 45.4	1.585	2.539	8.2	19.3
4 1	13 21.31	+ 4 36.7	1.550	2.532	5.2	19.1
4 11	13 12.51	+ 5 19.2	1.541	2.526	5.4	19.1
4 21	13 3.85	+ 5 46.7	1.559	2.519	8.5	19.3
5 1	12 56.37	+ 5 55.2	1.601	2.513	12.2	19.5
5 11	12 50.88	+ 5 43.2	1.665	2.507	15.7	19.7

64844 2001 YB_{12} 4 9.6 37.°30 0.°6/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.18	− 8 0.8	2.030	2.831	14.0	19.5
3 12	13 32.73	− 7 39.5	1.951	2.838	10.9	19.3
3 22	13 27.26	− 7 7.6	1.895	2.846	7.3	19.1
4 1	13 20.31	− 6 28.3	1.864	2.854	3.4	18.9
4 11	13 12.68	− 5 46.2	1.861	2.863	1.0	18.7
4 21	13 5.25	− 5 6.5	1.886	2.871	4.9	19.0
5 1	12 58.83	− 4 34.0	1.938	2.880	8.7	19.2
5 11	12 54.06	− 4 12.4	2.014	2.889	12.0	19.4

236417 2006 DA_{93} 4 9.6 169.°62 0.°0/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.42	− 9 52.0	2.201	2.987	13.5	21.6
3 12	13 34.38	− 9 31.7	2.111	2.989	10.6	21.4
3 22	13 28.35	− 8 59.9	2.044	2.990	7.2	21.2
4 1	13 20.83	− 8 19.2	2.003	2.992	3.4	20.9
4 11	13 12.60	− 7 33.8	1.991	2.993	0.6	20.7
4 21	13 4.49	− 6 48.5	2.008	2.994	4.5	21.0
5 1	12 57.33	− 6 8.3	2.052	2.995	8.2	21.2
5 11	12 51.78	− 5 37.6	2.121	2.995	11.5	21.4

434885 2006 SY_{360} 4 9.6 322.°92 7.°7/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 47.50	+15 26.7	2.105	2.904	13.6	20.6
3 12	13 41.50	+15 48.2	2.025	2.896	11.3	20.4
3 22	13 33.15	+16 1.8	1.967	2.889	9.1	20.3
4 1	13 23.09	+16 1.0	1.935	2.882	7.8	20.2
4 11	13 12.25	+15 40.8	1.931	2.875	8.2	20.2
4 21	13 1.66	+14 58.7	1.954	2.868	10.1	20.3
5 1	12 52.28	+13 55.2	2.002	2.862	12.6	20.4
5 11	12 44.84	+12 33.0	2.074	2.856	15.1	20.6

90276 2003 DE_2 4 9.7 318.°29 8.°6/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.33	−28 1.8	1.662	2.389	19.5	19.6
3 12	13 35.66	−29 2.8	1.564	2.378	17.0	19.4
3 22	13 30.03	−29 40.9	1.482	2.367	14.1	19.1
4 1	13 21.94	−29 51.2	1.422	2.356	11.1	18.9
4 11	13 12.40	−29 31.4	1.383	2.346	8.9	18.8
4 21	13 2.74	−28 43.7	1.369	2.336	8.8	18.7
5 1	12 54.35	−27 34.9	1.379	2.326	11.0	18.8
5 11	12 48.37	−26 15.4	1.412	2.317	14.2	19.0

293027 2006 WM_{62} 4 9.7 118.°77 1.°5/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.93	−14 54.2	2.718	3.476	11.9	21.8
3 12	13 32.80	−14 45.0	2.632	3.489	9.5	21.6
3 22	13 27.05	−14 24.2	2.569	3.501	6.7	21.5
4 1	13 20.15	−13 53.0	2.532	3.512	3.7	21.3
4 11	13 12.73	−13 14.3	2.525	3.524	1.5	21.1
4 21	13 5.46	−12 31.7	2.547	3.535	3.5	21.3
5 1	12 58.98	−11 49.3	2.598	3.546	6.4	21.5
5 11	12 53.80	−11 11.3	2.675	3.557	9.2	21.7

212447 2006 PU_{39} 4 9.7 172.°13 4.°4/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.31	+ 4 15.1	2.485	3.298	11.4	20.9
3 12	13 32.43	+ 5 17.7	2.407	3.300	8.9	20.7
3 22	13 26.86	+ 6 22.8	2.354	3.302	6.3	20.5
4 1	13 20.08	+ 7 24.9	2.329	3.303	4.6	20.4
4 11	13 12.75	+ 8 18.4	2.332	3.304	5.0	20.5
4 21	13 5.55	+ 8 58.9	2.363	3.305	7.2	20.6
5 1	12 59.18	+ 9 23.2	2.421	3.305	9.8	20.8
5 11	12 54.17	+ 9 30.2	2.501	3.306	12.2	20.9

300078 2006 UV_{214} 4 9.7 271.°84 0.°6/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.06	− 6 48.9	2.345	3.135	12.7	20.5
3 12	13 34.86	− 6 44.9	2.243	3.124	10.0	20.3
3 22	13 28.69	− 6 33.1	2.164	3.113	6.7	20.0
4 1	13 21.03	− 6 15.6	2.112	3.102	3.2	19.8
4 11	13 12.59	− 5 55.7	2.089	3.090	0.9	19.6
4 21	13 4.15	− 5 37.1	2.094	3.079	4.6	19.8
5 1	12 56.54	− 5 23.4	2.128	3.067	8.2	20.0
5 11	12 50.44	− 5 17.9	2.187	3.056	11.4	20.2

196340 2003 FH_{78} 4 9.7 294.°39 1.°4/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.98	− 7 55.8	1.770	2.580	15.4	20.6
3 12	13 33.26	− 7 13.1	1.661	2.554	12.1	20.4
3 22	13 28.09	− 6 14.8	1.573	2.528	8.2	20.1
4 1	13 20.92	− 5 4.6	1.510	2.501	3.9	19.7
4 11	13 12.59	− 3 48.9	1.474	2.474	1.9	19.5
4 21	13 4.13	− 2 35.5	1.466	2.448	6.4	19.8
5 1	12 56.65	− 1 32.5	1.482	2.421	11.1	20.0
5 11	12 51.07	− 0 46.2	1.522	2.395	15.3	20.2

365185 2009 FT_{25} 4 9.7 339.°55 3.°2/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.05	− 3 30.1	1.399	2.230	17.6	20.8
3 12	13 35.22	− 2 50.3	1.321	2.226	13.7	20.5
3 22	13 29.52	− 1 58.8	1.263	2.222	9.2	20.3
4 1	13 21.57	− 1 1.6	1.229	2.219	4.7	20.0
4 11	13 12.50	− 0 7.0	1.220	2.216	3.8	19.9
4 21	13 3.60	+ 0 36.8	1.236	2.213	8.1	20.2
5 1	12 56.14	+ 1 3.2	1.275	2.211	12.8	20.4
5 11	12 51.05	+ 1 8.9	1.335	2.210	16.9	20.6

68488 2001 TK_{209} 4 9.7 191.°30 3.°7/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.34	−21 49.1	2.534	3.263	13.4	20.5
3 12	13 33.45	−21 57.1	2.433	3.262	11.2	20.3
3 22	13 27.70	−21 49.4	2.354	3.261	8.6	20.1
4 1	13 20.54	−21 25.6	2.300	3.260	5.8	19.9
4 11	13 12.67	−20 47.3	2.273	3.258	3.8	19.8
4 21	13 4.87	−19 57.9	2.274	3.257	4.5	19.8
5 1	12 57.90	−19 2.3	2.304	3.255	7.0	20.0
5 11	12 52.39	−18 6.3	2.360	3.253	9.8	20.2

34591 2000 TB_{15} 4 9.7 358.°16 0.°2/ 9.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.37	− 8 59.0	2.010	2.811	14.1	18.7
3 12	13 32.23	− 8 42.3	1.923	2.809	11.1	18.5
3 22	13 27.02	− 8 14.2	1.858	2.808	7.5	18.2
4 1	13 20.25	− 7 37.4	1.818	2.808	3.5	18.0
4 11	13 12.73	− 6 56.4	1.806	2.807	0.7	17.7
4 21	13 5.32	− 6 16.2	1.821	2.808	4.8	18.1
5 1	12 58.89	− 5 42.0	1.863	2.808	8.7	18.3
5 11	12 54.13	− 5 18.0	1.929	2.809	12.2	18.5

325285 2008 GX_{144} 4 9.7 181.°43 3.°6/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 43.38	+ 1 50.9	2.217	3.018	12.9	21.1
3 12	13 38.16	+ 2 21.5	2.132	3.019	10.1	20.9
3 22	13 30.86	+ 2 55.2	2.071	3.020	7.0	20.7
4 1	13 22.02	+ 3 27.5	2.037	3.020	4.2	20.5
4 11	13 12.47	+ 3 53.4	2.032	3.019	4.1	20.5
4 21	13 3.08	+ 4 8.7	2.057	3.018	6.8	20.7
5 1	12 54.70	+ 4 10.5	2.108	3.016	9.9	20.9
5 11	12 48.02	+ 3 57.7	2.184	3.014	12.9	21.0

370156 2001 YY_{11} 4 9.7 167.°83 9.°5/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 50.78	−42 43.5	2.955	3.500	14.8	22.3
3 12	13 44.37	−43 58.6	2.855	3.507	13.6	22.2
3 22	13 35.38	−44 54.2	2.772	3.512	12.3	22.1
4 1	13 24.33	−45 25.6	2.710	3.517	10.9	22.0
4 11	13 12.09	−45 29.8	2.671	3.521	9.9	21.9
4 21	12 59.78	−45 6.7	2.656	3.524	9.5	21.9
5 1	12 48.51	−44 19.4	2.668	3.527	9.8	21.9
5 11	12 39.20	−43 14.4	2.703	3.528	10.8	22.0

424067 2007 CJ_{65} 4 9.7 275.°91 4.°8/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.29	+ 0 34.5	1.838	2.662	14.3	21.2
3 12	13 33.26	+ 1 53.7	1.743	2.645	11.2	20.9
3 22	13 27.92	+ 3 22.4	1.672	2.627	7.8	20.7
4 1	13 20.78	+ 4 53.4	1.627	2.609	5.1	20.5
4 11	13 12.66	+ 6 17.9	1.609	2.591	5.6	20.5
4 21	13 4.55	+ 7 27.7	1.617	2.572	8.8	20.6
5 1	12 57.46	+ 8 16.4	1.651	2.554	12.5	20.8
5 11	12 52.17	+ 8 41.1	1.706	2.535	15.9	20.9

39704 1996 TG_{15} 4 9.7 148.°73 1.°3/ 8.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.56	− 6 36.8	1.971	2.764	14.6	19.6
3 12	13 37.74	− 6 4.2	1.891	2.774	11.4	19.4
3 22	13 30.67	− 5 21.0	1.834	2.784	7.6	19.2
4 1	13 21.96	− 4 31.2	1.803	2.793	3.5	18.9
4 11	13 12.50	− 3 40.2	1.801	2.801	1.7	18.8
4 21	13 3.27	− 2 53.7	1.828	2.808	5.6	19.1
5 1	12 55.20	− 2 17.0	1.882	2.815	9.5	19.3
5 11	12 48.99	− 1 53.6	1.960	2.821	12.9	19.6

99888 2002 PK_{164} 4 9.7 249.°99 0.°1/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.80	− 9 23.4	2.141	2.931	13.7	20.6
3 12	13 34.05	− 9 6.3	2.045	2.925	10.8	20.4
3 22	13 28.23	− 8 37.8	1.971	2.919	7.4	20.1
4 1	13 20.85	− 8 0.4	1.924	2.913	3.5	19.9
4 11	13 12.66	− 7 18.2	1.904	2.906	0.6	19.6
4 21	13 4.54	− 6 36.1	1.913	2.900	4.7	19.9
5 1	12 57.34	− 5 59.1	1.950	2.893	8.6	20.1
5 11	12 51.77	− 5 31.7	2.011	2.886	12.0	20.3

71239 2000 AM_{7} 4 9.7 287.°75 4.°1/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.57	+ 1 50.8	1.952	2.768	13.9	18.4
3 12	13 35.62	+ 2 23.9	1.860	2.756	10.9	18.1
3 22	13 29.40	+ 3 1.1	1.792	2.744	7.6	17.9
4 1	13 21.44	+ 3 37.3	1.749	2.732	4.6	17.7
4 11	13 12.57	+ 4 6.4	1.733	2.720	4.6	17.7
4 21	13 3.77	+ 4 23.5	1.745	2.709	7.6	17.8
5 1	12 56.00	+ 4 24.9	1.783	2.697	11.1	18.0
5 11	12 50.02	+ 4 9.2	1.843	2.685	14.4	18.2

74928 1999 TE_{154} 4 9.7 274.°26 2.°2/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.22	− 4 31.8	1.705	2.516	15.8	19.7
3 12	13 37.50	− 4 5.0	1.600	2.493	12.5	19.4
3 22	13 31.06	− 3 27.3	1.515	2.470	8.5	19.2
4 1	13 22.39	− 2 42.6	1.456	2.446	4.2	18.8
4 11	13 12.42	− 1 56.9	1.424	2.422	2.7	18.7
4 21	13 2.30	− 1 17.1	1.418	2.398	7.0	18.9
5 1	12 53.26	− 0 49.4	1.439	2.373	11.7	19.1
5 11	12 46.31	− 0 38.3	1.481	2.348	16.0	19.3

496475 2014 SO_{211} 4 9.7 259.°01 5.°0/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.38	+ 1 17.8	1.703	2.528	15.2	21.1
3 12	13 35.86	+ 2 23.7	1.613	2.514	12.0	20.9
3 22	13 29.78	+ 3 37.7	1.545	2.499	8.4	20.6
4 1	13 21.70	+ 4 52.6	1.502	2.484	5.4	20.4
4 11	13 12.54	+ 5 59.6	1.486	2.469	5.8	20.4
4 21	13 3.42	+ 6 50.9	1.496	2.453	9.1	20.5
5 1	12 55.44	+ 7 20.6	1.531	2.438	13.0	20.7
5 11	12 49.50	+ 7 26.6	1.586	2.422	16.6	20.9

101701 1999 CU_{149} 4 9.7 205.°38 0.°7/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.09	−11 56.6	2.217	2.992	13.8	20.6
3 12	13 35.78	−11 42.4	2.118	2.987	11.0	20.4
3 22	13 29.38	−11 15.5	2.041	2.982	7.6	20.2
4 1	13 21.40	−10 37.6	1.991	2.977	3.8	19.9
4 11	13 12.60	− 9 52.5	1.969	2.971	0.7	19.7
4 21	13 3.85	− 9 4.7	1.977	2.964	4.4	19.9
5 1	12 56.04	− 8 19.8	2.012	2.957	8.2	20.1
5 11	12 49.87	− 7 42.6	2.073	2.949	11.6	20.3

274925 2009 SY_{164} 4 9.7 61.°00 3.°0/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 44.18	− 0 23.1	1.699	2.512	15.8	20.5
3 12	13 39.24	− 0 14.9	1.633	2.526	12.3	20.3
3 22	13 31.77	− 0 2.4	1.588	2.541	8.3	20.1
4 1	13 22.49	+ 0 10.1	1.568	2.556	4.3	19.9
4 11	13 12.45	+ 0 17.6	1.576	2.571	3.4	19.9
4 21	13 2.77	+ 0 16.1	1.612	2.586	6.9	20.1
5 1	12 54.50	+ 0 2.9	1.673	2.602	10.7	20.4
5 11	12 48.36	− 0 23.3	1.757	2.617	14.2	20.6

260787 2005 NR_{40} 4 9.7 132.°45 1.°2/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.72	−14 1.0	2.130	2.899	14.5	21.8
3 12	13 36.19	−13 42.5	2.048	2.912	11.5	21.6
3 22	13 29.57	−13 9.3	1.988	2.925	8.0	21.4
4 1	13 21.43	−12 23.5	1.954	2.938	4.2	21.2
4 11	13 12.61	−11 29.1	1.949	2.950	1.2	21.0
4 21	13 4.00	−10 31.6	1.973	2.961	4.3	21.2
5 1	12 56.48	− 9 36.7	2.024	2.972	8.0	21.5
5 11	12 50.68	− 8 49.8	2.102	2.982	11.3	21.7

310499 2000 UV_{114} 4 9.7 156.°98 2.°6/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.91	−17 34.7	2.097	2.848	15.2	21.6
3 12	13 38.05	−17 29.4	2.008	2.857	12.4	21.4
3 22	13 30.93	−17 7.4	1.940	2.865	9.0	21.2
4 1	13 22.12	−16 29.2	1.897	2.872	5.3	21.0
4 11	13 12.50	−15 37.8	1.882	2.879	2.6	20.8
4 21	13 3.05	−14 38.4	1.897	2.885	4.5	21.0
5 1	12 54.72	−13 37.3	1.940	2.890	8.1	21.2
5 11	12 48.24	−12 41.1	2.008	2.894	11.6	21.4

522641 2016 GH_{261} 4 9.7 291.°34 0.°4/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.94	−11 23.9	1.760	2.559	15.9	21.5
3 12	13 34.02	−11 4.4	1.656	2.540	12.7	21.3
3 22	13 28.60	−10 28.7	1.573	2.521	8.8	21.0
4 1	13 21.18	− 9 39.1	1.515	2.503	4.4	20.7
4 11	13 12.62	− 8 40.1	1.482	2.484	0.6	20.3
4 21	13 4.00	− 7 38.5	1.477	2.466	5.4	20.6
5 1	12 56.42	− 6 41.7	1.498	2.447	10.1	20.9
5 11	12 50.80	− 5 56.5	1.541	2.429	14.3	21.1

425206 2009 VR_{23} 4 9.7 10.°28 5.°1/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.21	−23 55.9	1.884	2.624	17.0	21.0
3 12	13 34.08	−24 6.8	1.792	2.625	14.4	20.8
3 22	13 28.51	−23 55.6	1.719	2.625	11.2	20.6
4 1	13 21.06	−23 20.9	1.668	2.625	7.9	20.4
4 11	13 12.65	−22 24.7	1.643	2.626	5.4	20.2
4 21	13 4.35	−21 11.9	1.644	2.626	5.9	20.2
5 1	12 57.21	−19 50.2	1.672	2.627	8.8	20.4
5 11	12 52.05	−18 28.7	1.724	2.627	12.2	20.6

465318 2007 UT_{139} 4 9.7 144.°92 3.°2/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.79	− 2 5.0	1.907	2.715	14.5	22.5
3 12	13 37.18	− 1 14.3	1.833	2.725	11.2	22.3
3 22	13 30.31	− 0 15.6	1.781	2.734	7.6	22.1
4 1	13 21.80	+ 0 45.3	1.756	2.743	4.1	21.9
4 11	13 12.56	+ 1 41.7	1.759	2.751	3.7	21.9
4 21	13 3.57	+ 2 27.7	1.791	2.759	6.9	22.1
5 1	12 55.77	+ 2 58.5	1.848	2.766	10.6	22.3
5 11	12 49.85	+ 3 11.9	1.929	2.772	13.8	22.5

145146 2005 GC_{172} 4 9.7 230.°55 1.°2/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.28	− 6 39.4	1.991	2.787	14.4	21.0
3 12	13 36.98	− 6 13.0	1.891	2.776	11.3	20.8
3 22	13 30.36	− 5 35.8	1.814	2.764	7.7	20.5
4 1	13 21.93	− 4 50.9	1.762	2.752	3.6	20.3
4 11	13 12.52	− 4 3.5	1.739	2.739	1.6	20.1
4 21	13 3.12	− 3 19.3	1.744	2.726	5.7	20.3
5 1	12 54.73	− 2 43.6	1.777	2.712	9.8	20.6
5 11	12 48.16	− 2 20.9	1.833	2.697	13.5	20.8

338935 2004 EY_{52} 4 9.7 65.°19 0.°6/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.91	−10 9.6	2.166	2.949	13.8	20.4
3 12	13 35.59	−10 16.4	2.079	2.954	10.9	20.2
3 22	13 29.21	−10 13.1	2.015	2.958	7.5	20.0
4 1	13 21.30	−10 1.2	1.976	2.963	3.7	19.8
4 11	13 12.63	− 9 43.7	1.965	2.967	0.7	19.6
4 21	13 4.10	− 9 24.2	1.984	2.972	4.3	19.8
5 1	12 56.55	− 9 6.9	2.030	2.976	8.0	20.1
5 11	12 50.67	− 8 55.5	2.101	2.981	11.3	20.3

182021 2000 AU_5 4 9.7 142.°38 1.°6/ 8.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.62	− 5 51.3	2.079	2.873	13.9	21.8
3 12	13 36.86	− 5 12.8	2.001	2.885	10.8	21.6
3 22	13 30.01	− 4 24.6	1.946	2.897	7.2	21.4
4 1	13 21.63	− 3 30.9	1.918	2.908	3.4	21.2
4 11	13 12.59	− 2 37.1	1.919	2.918	2.0	21.1
4 21	13 3.78	− 1 48.8	1.949	2.927	5.5	21.3
5 1	12 56.07	− 1 10.9	2.007	2.936	9.2	21.6
5 11	12 50.10	− 0 46.6	2.089	2.944	12.4	21.8

109394 2001 QX_{173} 4 9.7 207.°77 2.°5/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.89	− 3 25.0	2.372	3.170	12.3	20.8
3 12	13 34.64	− 2 30.0	2.276	3.164	9.6	20.6
3 22	13 28.50	− 1 26.5	2.204	3.156	6.4	20.4
4 1	13 20.95	− 0 18.8	2.161	3.148	3.3	20.2
4 11	13 12.69	+ 0 47.4	2.146	3.139	2.9	20.1
4 21	13 4.51	+ 1 46.3	2.161	3.130	5.9	20.3
5 1	12 57.16	+ 2 33.3	2.204	3.119	9.2	20.5
5 11	12 51.29	+ 3 5.0	2.271	3.108	12.2	20.7

225311 1996 VP_{17} 4 9.7 357.°74 4.°9/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.44	+ 3 14.5	1.554	2.382	16.3	20.0
3 12	13 37.54	+ 3 37.0	1.479	2.380	12.8	19.8
3 22	13 30.90	+ 4 1.8	1.425	2.379	8.9	19.6
4 1	13 22.20	+ 4 22.7	1.395	2.378	5.6	19.4
4 11	13 12.50	+ 4 33.3	1.391	2.378	5.4	19.3
4 21	13 3.04	+ 4 28.5	1.412	2.378	8.7	19.5
5 1	12 54.96	+ 4 5.9	1.458	2.379	12.6	19.7
5 11	12 49.13	+ 3 25.1	1.526	2.380	16.2	20.0

64618 2001 XQ_{28} 4 9.7 148.°00 3.°6/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.86	− 1 55.0	1.804	2.615	15.1	19.8
3 12	13 37.38	− 0 51.6	1.731	2.625	11.7	19.6
3 22	13 30.51	+ 0 20.5	1.681	2.634	7.9	19.4
4 1	13 21.92	+ 1 35.0	1.656	2.643	4.4	19.2
4 11	13 12.56	+ 2 44.0	1.660	2.650	4.2	19.2
4 21	13 3.48	+ 3 40.6	1.692	2.658	7.5	19.4
5 1	12 55.64	+ 4 19.5	1.749	2.664	11.2	19.6
5 11	12 49.78	+ 4 38.4	1.830	2.669	14.6	19.9

35497 1998 FT_{33} 4 9.7 267.°58 2.°2/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.41	− 6 27.0	1.857	2.669	14.7	19.1
3 12	13 32.41	− 5 20.2	1.774	2.669	11.4	18.9
3 22	13 27.22	− 3 59.8	1.713	2.668	7.6	18.6
4 1	13 20.39	− 2 31.4	1.678	2.668	3.6	18.4
4 11	13 12.79	− 1 2.8	1.671	2.668	2.8	18.3
4 21	13 5.35	+ 0 18.0	1.691	2.667	6.5	18.6
5 1	12 58.97	+ 1 24.2	1.738	2.667	10.4	18.8
5 11	12 54.35	+ 2 11.4	1.808	2.666	13.9	19.0

140654 2001 UQ_{36} 4 9.7 208.°43 1.°3/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.88	− 7 8.5	2.726	3.516	11.1	20.8
3 12	13 31.27	− 6 13.4	2.628	3.511	8.6	20.6
3 22	13 26.09	− 5 8.5	2.555	3.505	5.7	20.4
4 1	13 19.77	− 3 57.4	2.510	3.500	2.7	20.2
4 11	13 12.89	− 2 44.8	2.495	3.493	1.6	20.1
4 21	13 6.09	− 1 35.9	2.510	3.487	4.6	20.3
5 1	12 59.98	− 0 35.3	2.553	3.480	7.6	20.5
5 11	12 55.10	+ 0 13.4	2.622	3.472	10.4	20.7

226288 2003 BB_{35} 4 9.7 72.°63 1.°8/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.22	− 3 7.1	3.044	3.843	9.8	20.6
3 12	13 29.68	− 2 28.4	2.972	3.860	7.5	20.4
3 22	13 24.84	− 1 44.9	2.926	3.878	5.0	20.3
4 1	13 19.11	− 0 59.6	2.907	3.896	2.5	20.1
4 11	13 13.01	− 0 16.4	2.919	3.913	2.1	20.1
4 21	13 7.07	+ 0 21.5	2.959	3.931	4.3	20.3
5 1	13 1.79	+ 0 51.0	3.028	3.948	6.8	20.5
5 11	12 57.58	+ 1 10.4	3.122	3.965	9.1	20.7

113437 2002 SY_{40} 4 9.7 109.°71 1.°6/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.80	− 5 6.1	2.241	3.041	12.9	20.0
3 12	13 33.77	− 4 33.7	2.162	3.050	10.0	19.8
3 22	13 27.87	− 3 53.1	2.107	3.059	6.6	19.6
4 1	13 20.63	− 3 8.1	2.079	3.068	3.1	19.4
4 11	13 12.78	− 2 23.6	2.079	3.077	2.0	19.4
4 21	13 5.11	− 1 44.3	2.108	3.086	5.2	19.6
5 1	12 58.40	− 1 14.2	2.164	3.094	8.6	19.8
5 11	12 53.22	− 0 56.4	2.245	3.103	11.6	20.0

337867 2001 WE_{19} 4 9.7 132.°69 1.°1/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.48	− 5 33.0	2.666	3.454	11.4	21.5
3 12	13 33.98	− 5 13.2	2.583	3.464	8.8	21.4
3 22	13 27.86	− 4 46.6	2.525	3.474	5.9	21.2
4 1	13 20.58	− 4 16.2	2.495	3.484	2.7	21.0
4 11	13 12.79	− 3 45.3	2.494	3.494	1.4	20.9
4 21	13 5.15	− 3 17.7	2.523	3.503	4.3	21.1
5 1	12 58.32	− 2 56.4	2.580	3.511	7.3	21.3
5 11	12 52.81	− 2 44.0	2.663	3.520	10.0	21.5

72170 2000 YU_{108} 4 9.7 175.°71 1.°5/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.43	− 5 57.0	2.119	2.910	13.8	20.4
3 12	13 37.56	− 5 22.2	2.031	2.914	10.8	20.2
3 22	13 30.55	− 4 37.6	1.966	2.916	7.2	20.0
4 1	13 21.95	− 3 47.0	1.929	2.918	3.4	19.8
4 11	13 12.57	− 2 55.6	1.920	2.919	1.9	19.7
4 21	13 3.35	− 2 8.8	1.940	2.919	5.5	19.9
5 1	12 55.17	− 1 31.7	1.989	2.918	9.3	20.1
5 11	12 48.73	− 1 7.7	2.062	2.917	12.6	20.3

470918 2009 DA_{101} 4 9.7 280.°15 0.°1/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.89	− 7 46.0	2.266	3.054	13.1	21.5
3 12	13 35.59	− 7 49.7	2.167	3.046	10.4	21.3
3 22	13 29.25	− 7 45.2	2.091	3.038	7.1	21.0
4 1	13 21.36	− 7 34.3	2.041	3.030	3.4	20.8
4 11	13 12.66	− 7 20.1	2.020	3.022	0.6	20.5
4 21	13 3.98	− 7 5.8	2.027	3.013	4.5	20.8
5 1	12 56.18	− 6 55.4	2.063	3.005	8.2	21.0
5 11	12 49.96	− 6 52.0	2.124	2.997	11.5	21.2

152874 2000 AQ_{45} 4 9.7 131.°34 2.°1/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 43.60	−15 46.7	1.636	2.411	17.9	20.9
3 12	13 39.14	−15 35.1	1.558	2.425	14.4	20.7
3 22	13 31.93	−15 3.8	1.501	2.437	10.2	20.5
4 1	13 22.67	−14 14.4	1.467	2.449	5.6	20.2
4 11	13 12.47	−13 11.5	1.461	2.460	2.1	20.0
4 21	13 2.56	−12 2.3	1.481	2.471	5.3	20.3
5 1	12 54.10	−10 55.1	1.529	2.481	9.7	20.5
5 11	12 47.94	− 9 57.6	1.600	2.490	13.7	20.8

503138 2015 GB_{15} 4 9.7 132.°91 0.°4/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.93	−11 8.6	2.188	2.971	13.7	22.0
3 12	13 34.03	−10 52.6	2.101	2.976	10.8	21.8
3 22	13 28.15	−10 24.5	2.036	2.980	7.4	21.6
4 1	13 20.80	− 9 46.5	1.997	2.984	3.6	21.3
4 11	13 12.75	− 9 2.7	1.986	2.988	0.6	21.1
4 21	13 4.84	− 8 17.6	2.004	2.991	4.3	21.4
5 1	12 57.88	− 7 36.5	2.049	2.995	8.0	21.6
5 11	12 52.52	− 7 3.8	2.119	2.998	11.3	21.8

201532 2003 QM_{49} 4 9.7 271.°99 2.°3/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.43	− 4 47.7	2.183	2.985	13.1	21.8
3 12	13 33.88	− 3 55.3	2.069	2.959	10.3	21.6
3 22	13 28.24	− 2 51.6	1.978	2.932	6.9	21.3
4 1	13 20.95	− 1 40.7	1.915	2.904	3.5	21.1
4 11	13 12.71	− 0 28.6	1.880	2.875	2.8	21.0
4 21	13 4.38	+ 0 38.1	1.873	2.847	6.2	21.1
5 1	12 56.84	+ 1 33.3	1.894	2.817	10.0	21.3
5 11	12 50.86	+ 2 12.6	1.939	2.788	13.5	21.4

310260 2011 UV_{31} 4 9.7 181.°60 4.°2/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.64	−23 8.4	2.500	3.224	13.7	20.6
3 12	13 32.98	−23 20.7	2.401	3.224	11.5	20.5
3 22	13 27.44	−23 16.7	2.323	3.224	8.9	20.3
4 1	13 20.48	−22 55.7	2.270	3.224	6.3	20.1
4 11	13 12.80	−22 19.0	2.243	3.224	4.3	20.0
4 21	13 5.19	−21 30.0	2.244	3.224	4.8	20.0
5 1	12 58.42	−20 33.6	2.274	3.224	7.1	20.1
5 11	12 53.14	−19 35.8	2.329	3.224	9.8	20.3

213005 1993 RC 4 9.7 257.°39 1.°5/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.50	− 7 11.2	2.611	3.406	11.4	20.6
3 12	13 30.33	− 6 8.2	2.508	3.394	8.8	20.4
3 22	13 25.54	− 4 54.2	2.429	3.381	5.9	20.2
4 1	13 19.55	− 3 33.1	2.379	3.369	2.8	20.0
4 11	13 12.95	− 2 10.1	2.358	3.356	1.9	19.9
4 21	13 6.39	− 0 50.9	2.366	3.342	4.9	20.1
5 1	13 0.53	+ 0 19.0	2.404	3.329	8.1	20.3
5 11	12 55.91	+ 1 15.6	2.466	3.315	11.0	20.4

206294 2003 BH_{83} 4 9.7 347.°19 9.°7/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.40	+14 7.7	1.669	2.509	14.8	18.8
3 12	13 31.15	+15 42.2	1.604	2.500	12.3	18.7
3 22	13 26.53	+17 12.2	1.560	2.491	10.4	18.5
4 1	13 20.12	+18 27.5	1.540	2.483	9.7	18.4
4 11	13 12.87	+19 18.8	1.544	2.476	10.8	18.5
4 21	13 5.80	+19 40.4	1.571	2.470	13.1	18.6
5 1	12 59.92	+19 30.2	1.618	2.465	15.7	18.8
5 11	12 55.96	+18 50.3	1.684	2.461	18.2	18.9

276947 2004 TL_{272} 4 9.7 190.°30 1.°3/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.33	−14 8.9	2.219	2.989	13.9	21.5
3 12	13 34.41	−13 53.7	2.124	2.989	11.1	21.3
3 22	13 28.46	−13 24.1	2.051	2.988	7.8	21.1
4 1	13 20.98	−12 41.9	2.003	2.986	4.2	20.9
4 11	13 12.74	−11 50.7	1.984	2.985	1.3	20.6
4 21	13 4.60	−10 55.2	1.994	2.982	4.2	20.8
5 1	12 57.39	−10 1.3	2.031	2.980	7.9	21.1
5 11	12 51.79	− 9 14.3	2.094	2.977	11.3	21.3

51040 2000 GC_{134} 4 9.7 36.°11 10.°3/ 3.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 43.44	+13 30.7	1.249	2.090	18.7	17.9
3 12	13 39.31	+14 31.5	1.209	2.107	15.3	17.8
3 22	13 32.06	+15 22.9	1.188	2.126	12.1	17.6
4 1	13 22.66	+15 54.2	1.189	2.145	10.4	17.6
4 11	13 12.53	+15 57.1	1.213	2.166	11.0	17.7
4 21	13 3.10	+15 28.7	1.260	2.187	13.4	17.9
5 1	12 55.60	+14 30.7	1.327	2.209	16.4	18.1
5 11	12 50.75	+13 8.2	1.414	2.231	19.2	18.4

292671 2006 UK_{75} 4 9.7 238.°61 0.°7/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.88	− 9 4.3	2.464	3.253	12.2	21.8
3 12	13 31.50	− 8 20.5	2.365	3.246	9.5	21.6
3 22	13 26.38	− 7 25.3	2.289	3.238	6.4	21.3
4 1	13 19.97	− 6 21.7	2.240	3.230	3.0	21.1
4 11	13 12.91	− 5 14.6	2.221	3.222	1.1	20.9
4 21	13 5.92	− 4 9.1	2.231	3.214	4.5	21.2
5 1	12 59.69	− 3 10.7	2.269	3.205	7.9	21.4
5 11	12 54.82	− 2 23.5	2.332	3.196	11.0	21.5

401994 2003 BS_{27} 4 9.7 90.°53 4.°1/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.25	+ 0 24.5	2.048	2.854	13.7	21.2
3 12	13 37.08	+ 1 46.4	2.000	2.891	10.5	21.1
3 22	13 29.95	+ 3 12.7	1.976	2.927	7.1	20.9
4 1	13 21.53	+ 4 36.6	1.980	2.962	4.5	20.8
4 11	13 12.70	+ 5 50.7	2.014	2.996	4.7	20.9
4 21	13 4.32	+ 6 49.6	2.076	3.029	7.3	21.1
5 1	12 57.15	+ 7 29.8	2.165	3.061	10.3	21.4
5 11	12 51.72	+ 7 50.2	2.278	3.092	12.9	21.6

176500 2001 YL_2 4 9.7 126.°92 4.°1/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.33	−22 59.1	2.929	3.631	12.3	20.7
3 12	13 37.02	−23 32.0	2.838	3.646	10.3	20.5
3 22	13 29.97	−23 51.5	2.769	3.660	8.0	20.4
4 1	13 21.63	−23 56.9	2.726	3.673	5.8	20.3
4 11	13 12.67	−23 48.5	2.712	3.687	4.2	20.2
4 21	13 3.80	−23 28.6	2.727	3.700	4.5	20.2
5 1	12 55.75	−23 0.5	2.771	3.712	6.4	20.4
5 11	12 49.08	−22 28.8	2.842	3.724	8.7	20.5

352615 2008 EA_{152} 4 9.7 265.°88 0.°8/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.53	− 8 58.5	2.489	3.281	12.0	21.4
3 12	13 30.40	− 8 10.5	2.394	3.277	9.3	21.2
3 22	13 25.61	− 7 11.3	2.324	3.273	6.3	21.0
4 1	13 19.59	− 6 4.2	2.280	3.270	2.9	20.8
4 11	13 12.98	− 4 54.0	2.266	3.266	1.1	20.6
4 21	13 6.46	− 3 46.1	2.280	3.263	4.5	20.8
5 1	13 0.70	− 2 45.7	2.323	3.259	7.8	21.0
5 11	12 56.26	− 1 56.8	2.391	3.255	10.7	21.2

428295 2007 ED_{149} 4 9.7 337.°71 0.°8/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.43	− 6 18.4	1.622	2.434	16.5	21.2
3 12	13 36.80	− 6 20.3	1.536	2.428	13.0	20.9
3 22	13 30.49	− 6 12.4	1.470	2.423	8.8	20.7
4 1	13 22.09	− 5 57.3	1.429	2.419	4.1	20.4
4 11	13 12.60	− 5 39.7	1.413	2.415	1.3	20.1
4 21	13 3.19	− 5 24.3	1.425	2.411	6.0	20.5
5 1	12 55.06	− 5 16.3	1.462	2.408	10.6	20.7
5 11	12 49.09	− 5 19.5	1.521	2.405	14.7	20.9

512487 2016 QR_{82} 4 9.7 226.°11 1.°1/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.40	− 6 54.1	2.651	3.442	11.3	22.6
3 12	13 31.76	− 6 14.3	2.551	3.434	8.8	22.4
3 22	13 26.49	− 5 25.5	2.476	3.426	5.9	22.2
4 1	13 20.01	− 4 30.7	2.428	3.418	2.7	22.0
4 11	13 12.93	− 3 34.4	2.410	3.410	1.5	21.9
4 21	13 5.90	− 2 40.9	2.421	3.401	4.5	22.1
5 1	12 59.59	− 1 54.8	2.461	3.392	7.7	22.3
5 11	12 54.54	− 1 19.5	2.526	3.382	10.5	22.4

219768 2001 YZ_{108} 4 9.7 173.°05 1.°1/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.46	− 6 38.6	2.278	3.067	13.0	20.6
3 12	13 35.90	− 6 11.5	2.189	3.070	10.2	20.4
3 22	13 29.37	− 5 35.2	2.123	3.072	6.8	20.2
4 1	13 21.39	− 4 52.8	2.085	3.074	3.2	20.0
4 11	13 12.72	− 4 9.0	2.076	3.076	1.4	19.8
4 21	13 4.18	− 3 28.3	2.096	3.077	4.9	20.1
5 1	12 56.58	− 2 55.4	2.144	3.077	8.5	20.3
5 11	12 50.57	− 2 33.4	2.217	3.077	11.6	20.5

114677 2003 FD_{52} 4 9.7 83.°38 5.°4/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.08	+ 6 15.5	2.307	3.128	11.9	19.3
3 12	13 31.64	+ 7 29.6	2.237	3.133	9.3	19.1
3 22	13 26.43	+ 8 45.0	2.192	3.137	6.9	19.0
4 1	13 19.97	+ 9 55.3	2.173	3.142	5.4	18.9
4 11	13 12.95	+10 54.2	2.183	3.146	6.0	19.0
4 21	13 6.10	+11 36.9	2.219	3.151	8.2	19.1
5 1	13 0.13	+12 0.5	2.281	3.155	10.7	19.3
5 11	12 55.59	+12 4.2	2.364	3.159	13.1	19.4

119863 2002 CU_{123} 4 9.7 187.°88 4.°9/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.69	+ 8 21.6	2.992	3.803	9.7	20.7
3 12	13 30.95	+ 9 40.4	2.915	3.802	7.7	20.6
3 22	13 25.80	+10 59.5	2.864	3.801	5.9	20.4
4 1	13 19.64	+12 13.5	2.841	3.799	5.0	20.4
4 11	13 13.00	+13 17.4	2.848	3.797	5.6	20.4
4 21	13 6.47	+14 7.1	2.883	3.795	7.3	20.5
5 1	13 0.59	+14 40.1	2.943	3.792	9.3	20.7
5 11	12 55.83	+14 55.6	3.027	3.789	11.2	20.8

56553 2000 HL_{79} 4 9.7 321.°10 3.°7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.61	−15 27.7	1.372	2.165	19.9	19.3
3 12	13 39.25	−16 6.7	1.286	2.160	16.3	19.0
3 22	13 32.61	−16 28.3	1.219	2.156	12.0	18.7
4 1	13 23.27	−16 30.7	1.173	2.152	7.2	18.4
4 11	13 12.43	−16 15.3	1.152	2.148	3.8	18.2
4 21	13 1.60	−15 46.7	1.155	2.145	6.4	18.4
5 1	12 52.32	−15 12.5	1.183	2.142	11.2	18.6
5 11	12 45.75	−14 41.1	1.233	2.139	15.8	18.9

468537 2006 GN_{17} 4 9.7 292.°24 1.°1/ 8.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.24	− 6 3.6	1.991	2.790	14.3	21.7
3 12	13 36.40	− 5 54.8	1.875	2.761	11.3	21.5
3 22	13 30.17	− 5 36.7	1.782	2.733	7.7	21.2
4 1	13 21.99	− 5 12.0	1.714	2.703	3.7	20.9
4 11	13 12.63	− 4 44.7	1.673	2.674	1.4	20.6
4 21	13 3.08	− 4 19.5	1.661	2.645	5.7	20.9
5 1	12 54.40	− 4 1.5	1.676	2.615	10.0	21.1
5 11	12 47.48	− 3 54.7	1.714	2.586	13.9	21.2

392165 2009 JH_3 4 9.7 259.°62 6.°2/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.68	+10 37.0	2.497	3.314	11.2	21.3
3 12	13 32.06	+11 47.0	2.419	3.306	9.1	21.1
3 22	13 26.72	+12 55.6	2.364	3.298	7.1	21.0
4 1	13 20.13	+13 56.8	2.337	3.290	6.2	20.9
4 11	13 12.94	+14 44.6	2.337	3.282	6.9	20.9
4 21	13 5.85	+15 14.9	2.364	3.274	8.8	21.0
5 1	12 59.56	+15 25.3	2.415	3.266	11.0	21.2
5 11	12 54.63	+15 15.6	2.488	3.258	13.2	21.3

335810 2007 JR_4 4 9.7 261.°64 5.°0/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.15	+ 5 12.6	2.222	3.031	12.7	21.1
3 12	13 36.68	+ 5 58.2	2.120	3.010	10.0	20.9
3 22	13 30.08	+ 6 46.1	2.042	2.988	7.3	20.7
4 1	13 21.83	+ 7 30.8	1.991	2.966	5.2	20.5
4 11	13 12.67	+ 8 6.2	1.968	2.943	5.5	20.5
4 21	13 3.50	+ 8 27.3	1.974	2.920	8.1	20.6
5 1	12 55.20	+ 8 30.8	2.005	2.896	11.2	20.7
5 11	12 48.51	+ 8 15.6	2.059	2.872	14.2	20.9

501519 2014 DR_{134} 4 9.7 230.°17 3.°2/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.70	− 0 4.8	2.541	3.351	11.2	21.4
3 12	13 31.25	+ 0 53.9	2.452	3.346	8.7	21.3
3 22	13 26.16	+ 1 58.2	2.388	3.340	5.9	21.1
4 1	13 19.87	+ 3 3.4	2.351	3.335	3.6	20.9
4 11	13 12.99	+ 4 4.1	2.344	3.330	3.7	20.9
4 21	13 6.20	+ 4 55.3	2.365	3.324	6.2	21.1
5 1	13 0.16	+ 5 33.2	2.414	3.318	9.0	21.2
5 11	12 55.41	+ 5 55.6	2.486	3.312	11.6	21.4

465418 2008 MZ_1 4 9.7 309.°20 2.°5/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.74	− 7 27.8	1.623	2.444	16.0	21.5
3 12	13 31.56	− 6 9.4	1.534	2.434	12.5	21.2
3 22	13 26.93	− 4 32.7	1.466	2.424	8.3	20.9
4 1	13 20.41	− 2 44.0	1.424	2.415	4.0	20.6
4 11	13 12.92	− 0 52.9	1.408	2.405	3.1	20.6
4 21	13 5.50	+ 0 50.2	1.419	2.396	7.4	20.8
5 1	12 59.24	+ 2 15.8	1.456	2.387	11.8	21.0
5 11	12 54.94	+ 3 18.0	1.514	2.379	15.8	21.2

410172 2007 PR_{37} 4 9.7 282.°14 4.°3/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.34	−18 23.4	1.521	2.298	18.9	20.9
3 12	13 37.39	−18 48.8	1.418	2.280	15.8	20.6
3 22	13 31.36	−18 54.1	1.333	2.262	11.9	20.3
4 1	13 22.74	−18 37.3	1.270	2.244	7.6	20.0
4 11	13 12.54	−17 59.5	1.231	2.225	4.4	19.8
4 21	13 2.13	−17 5.3	1.218	2.207	6.3	19.8
5 1	12 52.98	−16 3.0	1.230	2.188	10.9	20.0
5 11	12 46.28	−15 2.6	1.264	2.170	15.5	20.2

419878 2011 AF_{35} 4 9.7 199.°72 5.°9/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.97	+ 8 9.9	2.310	3.119	12.2	21.2
3 12	13 36.29	+ 9 19.4	2.228	3.115	9.8	21.0
3 22	13 29.65	+10 29.3	2.172	3.110	7.4	20.9
4 1	13 21.55	+11 33.2	2.142	3.105	6.0	20.8
4 11	13 12.76	+12 24.3	2.141	3.098	6.6	20.8
4 21	13 4.09	+12 58.0	2.167	3.091	8.8	20.9
5 1	12 56.36	+13 11.4	2.220	3.084	11.4	21.1
5 11	12 50.21	+13 4.2	2.294	3.075	13.8	21.2

126744 2002 CW_{308} 4 9.7 209.°57 2.°1/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.76	− 2 29.8	2.834	3.632	10.5	20.5
3 12	13 31.89	− 1 50.4	2.740	3.627	8.1	20.4
3 22	13 26.51	− 1 5.3	2.671	3.622	5.5	20.2
4 1	13 20.02	− 0 18.0	2.629	3.617	2.8	20.0
4 11	13 12.99	+ 0 27.4	2.618	3.611	2.5	19.9
4 21	13 6.04	+ 1 7.0	2.635	3.605	4.9	20.1
5 1	12 59.75	+ 1 37.5	2.681	3.599	7.7	20.3
5 11	12 54.65	+ 1 56.4	2.752	3.592	10.2	20.4

316871 2000 QD_{180} 4 9.7 152.°71 11.°1/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 58.01	−26 56.7	1.368	2.086	23.3	20.7
3 12	13 52.17	−29 3.5	1.288	2.094	20.4	20.5
3 22	13 41.98	−30 50.2	1.224	2.101	16.9	20.2
4 1	13 28.01	−32 6.6	1.180	2.107	13.5	20.1
4 11	13 11.74	−32 44.8	1.160	2.113	11.3	19.9
4 21	12 55.31	−32 43.6	1.164	2.118	11.6	20.0
5 1	12 40.94	−32 9.7	1.192	2.122	14.1	20.1
5 11	12 30.26	−31 16.9	1.242	2.125	17.4	20.3

466867 2015 BV_{472} 4 9.7 293.°50 2.°8/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.70	− 4 37.0	1.770	2.589	15.0	21.0
3 12	13 32.98	− 3 40.8	1.670	2.569	11.7	20.8
3 22	13 27.88	− 2 31.4	1.593	2.550	7.9	20.5
4 1	13 20.88	− 1 14.1	1.541	2.530	4.0	20.2
4 11	13 12.85	+ 0 3.6	1.515	2.511	3.4	20.1
4 21	13 4.78	+ 1 13.4	1.517	2.491	7.2	20.3
5 1	12 57.73	+ 2 8.2	1.544	2.472	11.5	20.5
5 11	12 52.55	+ 2 43.0	1.593	2.453	15.4	20.7

343088 2009 DK_{17} 4 9.7 16.°27 2.°6/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.65	−16 48.8	2.157	2.920	14.5	20.8
3 12	13 34.00	−16 58.0	2.065	2.921	11.8	20.6
3 22	13 28.27	−16 52.5	1.993	2.922	8.6	20.4
4 1	13 20.96	−16 32.6	1.947	2.923	5.2	20.2
4 11	13 12.85	−16 0.7	1.928	2.924	2.7	20.0
4 21	13 4.83	−15 20.7	1.937	2.925	4.4	20.2
5 1	12 57.77	−14 38.0	1.973	2.926	7.8	20.4
5 11	12 52.36	−13 58.2	2.034	2.928	11.1	20.6

270532 2002 GL_{82} 4 9.7 44.°10 2.°4/ 7.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.45	− 6 44.6	1.851	2.665	14.6	20.1
3 12	13 31.67	− 5 22.6	1.770	2.667	11.3	19.9
3 22	13 26.74	− 3 46.1	1.713	2.669	7.5	19.6
4 1	13 20.22	− 2 1.3	1.681	2.671	3.7	19.4
4 11	13 12.97	− 0 16.8	1.678	2.674	3.0	19.4
4 21	13 5.89	+ 1 18.7	1.702	2.676	6.7	19.6
5 1	12 59.87	+ 2 37.6	1.753	2.679	10.6	19.8
5 11	12 55.59	+ 3 35.4	1.827	2.681	14.0	20.0

497729 2006 SW_{175} 4 9.7 185.°97 0.°5/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.15	−12 27.5	2.844	3.611	11.2	22.3
3 12	13 32.22	−12 1.9	2.746	3.611	8.9	22.1
3 22	13 26.74	−11 25.5	2.671	3.610	6.1	21.9
4 1	13 20.14	−10 40.2	2.624	3.609	3.1	21.7
4 11	13 12.98	− 9 49.3	2.606	3.608	0.6	21.5
4 21	13 5.91	− 8 56.7	2.618	3.606	3.5	21.7
5 1	12 59.53	− 8 6.7	2.660	3.603	6.5	21.9
5 11	12 54.37	− 7 23.1	2.727	3.600	9.3	22.1

110838 2001 UK_{68} 4 9.7 119.°97 0.°4/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.62	− 9 0.8	1.859	2.655	15.2	20.2
3 12	13 35.71	− 8 39.7	1.777	2.661	12.0	20.0
3 22	13 29.49	− 8 6.0	1.716	2.666	8.1	19.8
4 1	13 21.54	− 7 22.9	1.682	2.671	3.8	19.5
4 11	13 12.77	− 6 35.4	1.674	2.676	0.8	19.3
4 21	13 4.19	− 5 49.4	1.695	2.680	5.2	19.6
5 1	12 56.75	− 5 10.5	1.742	2.685	9.4	19.9
5 11	12 51.20	− 4 43.5	1.812	2.689	13.0	20.1

128019 2003 JB_{15} 4 9.7 89.°26 0.°5/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.69	−12 26.0	1.820	2.611	15.7	20.6
3 12	13 34.29	−11 58.4	1.738	2.617	12.5	20.4
3 22	13 28.56	−11 14.7	1.677	2.623	8.6	20.2
4 1	13 21.12	−10 17.6	1.641	2.629	4.3	20.0
4 11	13 12.86	− 9 12.6	1.633	2.635	0.6	19.7
4 21	13 4.79	− 8 6.4	1.652	2.640	4.9	20.0
5 1	12 57.88	− 7 6.0	1.697	2.646	9.2	20.3
5 11	12 52.86	− 6 17.2	1.767	2.652	12.9	20.5

229912 4378 T_{-3} 4 9.7 165.°37 2.°6/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.58	− 2 11.7	2.238	3.040	12.8	21.0
3 12	13 35.23	− 1 34.2	2.155	3.044	9.9	20.8
3 22	13 28.94	− 0 50.3	2.095	3.047	6.7	20.6
4 1	13 21.23	− 0 4.2	2.063	3.050	3.5	20.4
4 11	13 12.85	+ 0 39.0	2.059	3.053	3.0	20.4
4 21	13 4.63	+ 1 14.4	2.084	3.055	5.9	20.6
5 1	12 57.36	+ 1 38.3	2.136	3.056	9.2	20.8
5 11	12 51.66	+ 1 48.2	2.212	3.057	12.2	21.0

176064 2000 UM_{67} 4 9.7 172.°09 2.°2/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.79	−18 5.1	2.733	3.479	12.2	21.0
3 12	13 32.07	−17 51.7	2.635	3.481	9.9	20.9
3 22	13 26.71	−17 24.4	2.559	3.482	7.2	20.7
4 1	13 20.15	−16 44.3	2.510	3.483	4.4	20.5
4 11	13 13.02	−15 54.0	2.489	3.484	2.2	20.3
4 21	13 5.96	−14 57.3	2.497	3.485	3.6	20.4
5 1	12 59.66	−13 59.0	2.534	3.486	6.4	20.6
5 11	12 54.65	−13 3.9	2.598	3.486	9.2	20.8

480748 2016 NQ_{26} 4 9.7 243.°26 5.°8/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.33	−29 5.5	2.357	3.050	15.2	21.4
3 12	13 33.02	−29 13.0	2.254	3.047	13.1	21.2
3 22	13 27.64	−28 59.3	2.170	3.044	10.7	21.1
4 1	13 20.68	−28 22.6	2.108	3.041	8.1	20.9
4 11	13 12.93	−27 23.9	2.073	3.037	6.2	20.8
4 21	13 5.25	−26 6.9	2.064	3.034	6.1	20.8
5 1	12 58.51	−24 37.9	2.083	3.030	7.9	20.9
5 11	12 53.41	−23 4.9	2.128	3.027	10.4	21.0

303810 2005 SE_{66} 4 9.7 200.°86 1.°1/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.51	−15 42.1	2.874	3.630	11.4	20.8
3 12	13 30.98	−15 6.1	2.771	3.627	9.1	20.6
3 22	13 25.93	−14 17.0	2.691	3.624	6.4	20.4
4 1	13 19.77	−13 16.4	2.639	3.620	3.5	20.2
4 11	13 13.07	−12 7.9	2.616	3.616	1.1	20.0
4 21	13 6.45	−10 55.8	2.623	3.612	3.3	20.2
5 1	13 0.52	− 9 45.2	2.660	3.607	6.3	20.4
5 11	12 55.77	− 8 40.7	2.723	3.602	9.1	20.6

253601 2003 UU_{13} 4 9.7 222.°20 2.°8/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.94	−17 8.2	1.726	2.499	17.2	20.5
3 12	13 36.42	−17 7.2	1.633	2.495	14.0	20.2
3 22	13 30.26	−16 46.9	1.559	2.492	10.2	20.0
4 1	13 22.04	−16 7.4	1.509	2.487	6.0	19.7
4 11	13 12.73	−15 12.0	1.485	2.483	2.8	19.5
4 21	13 3.48	−14 6.9	1.489	2.478	5.2	19.7
5 1	12 55.45	−12 59.8	1.518	2.474	9.5	19.9
5 11	12 49.54	−11 59.0	1.572	2.469	13.5	20.1

504472 2008 DA_{86} 4 9.7 56.°46 1.°1/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.58	−13 9.4	2.263	3.040	13.5	21.5
3 12	13 32.94	−13 1.5	2.179	3.049	10.7	21.3
3 22	13 27.41	−12 41.1	2.118	3.058	7.5	21.1
4 1	13 20.51	−12 9.9	2.083	3.067	3.9	20.9
4 11	13 12.97	−11 31.2	2.075	3.076	1.1	20.7
4 21	13 5.59	−10 49.4	2.096	3.085	4.0	20.9
5 1	12 59.13	−10 9.4	2.145	3.095	7.5	21.1
5 11	12 54.19	− 9 35.6	2.218	3.104	10.6	21.4

80492 2000 AT_{46} 4 9.7 119.°91 1.°7/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.31	− 6 9.6	1.895	2.695	14.9	20.6
3 12	13 36.84	− 5 27.9	1.823	2.710	11.5	20.4
3 22	13 30.12	− 4 35.4	1.773	2.725	7.7	20.2
4 1	13 21.80	− 3 36.9	1.750	2.739	3.6	19.9
4 11	13 12.79	− 2 38.4	1.755	2.753	2.1	19.9
4 21	13 4.07	− 1 46.2	1.788	2.767	5.9	20.1
5 1	12 56.54	− 1 5.6	1.848	2.780	9.7	20.4
5 11	12 50.90	− 0 40.0	1.932	2.792	13.1	20.6

416163 2002 RE_{228} 4 9.7 152.°58 0.°6/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 43.90	− 7 30.9	2.330	3.108	13.1	22.7
3 12	13 38.49	− 7 14.9	2.245	3.119	10.3	22.5
3 22	13 31.09	− 6 50.1	2.184	3.129	6.9	22.3
4 1	13 22.24	− 6 18.9	2.150	3.139	3.2	22.1
4 11	13 12.73	− 5 45.3	2.146	3.147	0.9	21.9
4 21	13 3.41	− 5 13.5	2.172	3.155	4.6	22.2
5 1	12 55.09	− 4 47.5	2.227	3.162	8.1	22.4
5 11	12 48.39	− 4 30.5	2.308	3.168	11.2	22.6

385102 2012 VJ_{67} 4 9.7 49.°41 0.°7/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.34	− 7 43.8	2.201	2.996	13.2	21.6
3 12	13 33.61	− 7 23.7	2.112	2.996	10.4	21.4
3 22	13 27.92	− 6 53.8	2.046	2.996	7.0	21.2
4 1	13 20.78	− 6 16.9	2.007	2.996	3.2	20.9
4 11	13 12.94	− 5 37.3	1.995	2.997	1.0	20.7
4 21	13 5.21	− 4 59.7	2.013	2.997	4.7	21.0
5 1	12 58.40	− 4 28.6	2.057	2.997	8.4	21.2
5 11	12 53.15	− 4 7.6	2.126	2.997	11.6	21.4

499525 2010 PH_{77} 4 9.7 248.°52 1.°0/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 40.26	− 8 29.7	1.871	2.668	15.2	22.2
3 12	13 36.48	− 7 53.2	1.766	2.651	12.0	22.0
3 22	13 30.24	− 7 2.3	1.683	2.633	8.2	21.7
4 1	13 22.04	− 6 0.4	1.625	2.615	3.8	21.4
4 11	13 12.74	− 4 53.1	1.595	2.596	1.4	21.2
4 21	13 3.38	− 3 47.5	1.594	2.577	5.9	21.4
5 1	12 55.04	− 2 50.8	1.619	2.557	10.4	21.6
5 11	12 48.59	− 2 8.6	1.667	2.536	14.4	21.8

105854 2000 SB_{167} 4 9.7 115.°33 2.°7/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.45	−17 35.7	2.503	3.251	13.1	19.5
3 12	13 34.30	−17 47.3	2.411	3.257	10.7	19.3
3 22	13 28.30	−17 45.8	2.341	3.263	7.9	19.2
4 1	13 20.94	−17 31.3	2.297	3.269	4.9	19.0
4 11	13 12.92	−17 5.9	2.281	3.275	2.7	18.9
4 21	13 5.00	−16 32.7	2.294	3.280	4.0	18.9
5 1	12 57.92	−15 56.1	2.335	3.286	6.9	19.1
5 11	12 52.31	−15 20.8	2.402	3.291	9.8	19.3

379421 2010 AF_{77} 4 9.7 97.°38 8.°4/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 40.43	−34 2.8	2.133	2.795	17.4	20.9
3 12	13 36.57	−34 45.0	2.045	2.805	15.4	20.7
3 22	13 30.22	−35 3.4	1.975	2.815	13.1	20.6
4 1	13 21.97	−34 54.5	1.925	2.824	10.7	20.5
4 11	13 12.76	−34 17.4	1.899	2.834	8.9	20.4
4 21	13 3.70	−33 14.9	1.898	2.844	8.4	20.3
5 1	12 55.85	−31 53.5	1.923	2.853	9.5	20.4
5 11	12 50.04	−30 22.0	1.972	2.862	11.6	20.6

354020 2001 QV_{52} 4 9.7 201.°72 3.°2/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 45.36	−17 33.9	1.947	2.699	16.2	21.6
3 12	13 40.43	−17 49.3	1.846	2.695	13.3	21.4
3 22	13 32.90	−17 48.2	1.766	2.690	9.8	21.1
4 1	13 23.30	−17 29.9	1.710	2.684	6.0	20.9
4 11	13 12.56	−16 56.3	1.682	2.677	3.3	20.7
4 21	13 1.82	−16 11.4	1.682	2.669	5.1	20.8
5 1	12 52.21	−15 21.6	1.710	2.660	9.0	21.0
5 11	12 44.65	−14 33.9	1.763	2.651	12.8	21.2

18905 Weigan 4 9.7 195.°88 0.°4/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 41.04	− 9 45.6	1.730	2.527	16.2	19.3
3 12	13 37.12	− 9 14.9	1.642	2.526	12.8	19.0
3 22	13 30.64	− 8 29.0	1.574	2.524	8.7	18.8
4 1	13 22.19	− 7 31.3	1.532	2.521	4.1	18.5
4 11	13 12.74	− 6 27.6	1.516	2.518	0.9	18.3
4 21	13 3.41	− 5 25.1	1.529	2.515	5.7	18.6
5 1	12 55.30	− 4 31.0	1.568	2.511	10.3	18.8
5 11	12 49.25	− 3 50.9	1.630	2.506	14.3	19.1

470124 2006 UB_7 4 9.7 221.°72 2.°3/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.25	− 1 22.2	2.730	3.526	10.9	21.9
3 12	13 33.92	− 0 53.9	2.632	3.518	8.5	21.7
3 22	13 27.95	− 0 21.0	2.559	3.510	5.7	21.5
4 1	13 20.76	+ 0 13.4	2.514	3.501	3.1	21.3
4 11	13 12.96	+ 0 45.2	2.499	3.492	2.6	21.3
4 21	13 5.22	+ 1 10.9	2.513	3.482	5.1	21.4
5 1	12 58.19	+ 1 27.3	2.555	3.472	8.0	21.6
5 11	12 52.43	+ 1 32.4	2.623	3.462	10.7	21.8

142274 2002 RO_{115} 4 9.7 46.°49 1.°2/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 41.19	−11 40.4	1.555	2.354	17.7	19.7
3 12	13 37.50	−11 46.8	1.476	2.357	14.1	19.5
3 22	13 31.03	−11 38.1	1.416	2.362	9.8	19.3
4 1	13 22.40	−11 15.7	1.379	2.366	5.1	19.0
4 11	13 12.72	−10 43.8	1.369	2.370	1.2	18.7
4 21	13 3.21	−10 8.0	1.385	2.375	5.5	19.0
5 1	12 55.10	− 9 35.0	1.426	2.379	10.2	19.3
5 11	12 49.28	− 9 10.7	1.490	2.384	14.3	19.6

139359 2001 ME_1 4 9.7 116.°04 1.°5/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 43.31	− 3 30.8	3.640	4.407	9.0	23.1
3 12	13 37.07	− 2 43.8	3.571	4.441	6.9	23.0
3 22	13 29.64	− 1 52.4	3.530	4.474	4.6	22.9
4 1	13 21.41	− 0 59.5	3.519	4.506	2.3	22.8
4 11	13 12.89	− 0 8.5	3.542	4.536	1.8	22.8
4 21	13 4.61	+ 0 37.4	3.598	4.565	3.9	22.9
5 1	12 57.04	+ 1 15.7	3.686	4.593	6.1	23.1
5 11	12 50.55	+ 1 44.6	3.801	4.620	8.1	23.3

363033 1999 QN_2 4 9.7 273.°39 3.°6/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.44	−18 47.9	1.782	2.545	17.1	21.4
3 12	13 37.09	−18 55.0	1.665	2.519	14.2	21.1
3 22	13 30.98	−18 42.2	1.567	2.493	10.7	20.8
4 1	13 22.54	−18 8.3	1.492	2.466	6.7	20.5
4 11	13 12.67	−17 14.6	1.443	2.438	3.7	20.3
4 21	13 2.53	−16 6.1	1.421	2.410	5.6	20.3
5 1	12 53.40	−14 50.7	1.426	2.381	10.0	20.5
5 11	12 46.38	−13 37.8	1.454	2.352	14.4	20.7

77113 2001 DU_{74} 4 9.7 336.°09 1.°0/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 46.85	− 3 44.6	1.439	2.252	18.1	18.0
3 12	13 42.31	− 4 16.0	1.353	2.246	14.4	17.7
3 22	13 34.56	− 4 42.2	1.287	2.240	9.8	17.4
4 1	13 24.21	− 5 5.2	1.245	2.235	4.7	17.1
4 11	13 12.45	− 5 28.1	1.229	2.230	1.5	16.9
4 21	13 0.75	− 5 53.8	1.239	2.226	6.6	17.2
5 1	12 50.57	− 6 25.3	1.275	2.222	11.8	17.5
5 11	12 43.01	− 7 5.1	1.333	2.219	16.2	17.7

163523 2002 TU_{23} 4 9.7 198.°22 0.°6/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 37.00	− 8 37.7	2.388	3.176	12.5	20.4
3 12	13 33.20	− 8 7.3	2.295	3.175	9.8	20.3
3 22	13 27.59	− 7 26.4	2.224	3.173	6.6	20.0
4 1	13 20.63	− 6 38.1	2.181	3.170	3.1	19.8
4 11	13 13.00	− 5 46.4	2.166	3.168	0.9	19.6
4 21	13 5.47	− 4 56.3	2.181	3.165	4.5	19.9
5 1	12 58.77	− 4 12.6	2.223	3.162	8.0	20.1
5 11	12 53.50	− 3 39.1	2.291	3.158	11.0	20.3

33521 1999 GK_{40} 4 9.7 195.°92 5.°2/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.36	+ 4 51.3	2.300	3.114	12.1	18.9
3 12	13 34.29	+ 6 12.4	2.219	3.111	9.6	18.7
3 22	13 28.33	+ 7 36.8	2.162	3.108	7.0	18.6
4 1	13 20.98	+ 8 58.1	2.133	3.104	5.3	18.4
4 11	13 12.96	+10 9.2	2.133	3.100	5.9	18.5
4 21	13 5.05	+11 4.4	2.161	3.095	8.2	18.6
5 1	12 58.04	+11 40.0	2.214	3.089	11.0	18.8
5 11	12 52.54	+11 54.9	2.290	3.083	13.5	18.9

175325 2005 NP_3 4 9.7 137.°23 2.°2/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.69	− 3 25.0	2.466	3.269	11.7	20.5
3 12	13 32.05	− 2 40.0	2.383	3.273	9.1	20.4
3 22	13 26.72	− 1 48.0	2.324	3.277	6.1	20.2
4 1	13 20.18	− 0 53.1	2.292	3.280	3.1	20.0
4 11	13 13.08	− 0 0.1	2.289	3.284	2.6	20.0
4 21	13 6.11	+ 0 46.3	2.316	3.288	5.3	20.1
5 1	12 59.96	+ 1 22.1	2.369	3.291	8.4	20.3
5 11	12 55.15	+ 1 44.8	2.448	3.294	11.1	20.5

131226 2001 DM_{93} 4 9.7 18.°54 4.°7/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.28	−20 36.5	1.585	2.357	18.5	19.1
3 12	13 33.73	−20 58.6	1.506	2.362	15.4	18.9
3 22	13 28.51	−20 58.9	1.445	2.368	11.7	18.7
4 1	13 21.22	−20 36.4	1.407	2.375	7.7	18.5
4 11	13 12.92	−19 53.4	1.393	2.383	4.9	18.3
4 21	13 4.79	−18 55.5	1.404	2.391	5.9	18.4
5 1	12 58.00	−17 50.8	1.440	2.400	9.5	18.6
5 11	12 53.42	−16 48.4	1.499	2.410	13.2	18.9

123523 2000 XY_7 4 9.7 123.°21 0.°6/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 42.01	−11 28.3	2.542	3.306	12.5	20.6
3 12	13 36.80	−11 16.4	2.463	3.327	9.9	20.4
3 22	13 29.83	−10 54.2	2.408	3.347	6.8	20.2
4 1	13 21.62	−10 23.5	2.381	3.366	3.4	20.0
4 11	13 12.88	− 9 47.6	2.383	3.385	0.6	19.8
4 21	13 4.36	− 9 10.3	2.416	3.403	3.8	20.1
5 1	12 56.77	− 8 35.7	2.478	3.420	7.0	20.4
5 11	12 50.66	− 8 7.5	2.566	3.437	9.9	20.6

211870 2004 GZ_{79} 4 9.7 347.°40 0.°2/ 9.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.65	− 9 33.1	1.841	2.643	15.2	20.1
3 12	13 33.57	− 9 32.3	1.751	2.637	12.0	19.8
3 22	13 28.18	− 9 19.7	1.682	2.632	8.3	19.6
4 1	13 21.02	− 8 57.4	1.638	2.627	4.0	19.3
4 11	13 12.95	− 8 29.3	1.621	2.623	0.5	19.0
4 21	13 4.95	− 8 0.2	1.631	2.620	5.0	19.4
5 1	12 58.00	− 7 35.4	1.667	2.617	9.2	19.6
5 11	12 52.89	− 7 19.4	1.726	2.615	13.0	19.8

67659 2000 SA_{261} 4 9.7 106.°82 0.°9/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 40.34	−10 2.0	1.681	2.481	16.5	20.1
3 12	13 36.39	− 9 8.6	1.612	2.498	12.9	19.9
3 22	13 29.97	− 7 59.0	1.563	2.514	8.6	19.7
4 1	13 21.79	− 6 38.1	1.540	2.530	4.0	19.4
4 11	13 12.86	− 5 13.7	1.545	2.546	1.3	19.3
4 21	13 4.26	− 3 54.0	1.577	2.561	5.8	19.6
5 1	12 57.01	− 2 46.5	1.636	2.576	10.2	19.9
5 11	12 51.81	− 1 56.3	1.718	2.590	13.9	20.1

216022 2005 UY_{517} 4 9.7 239.°74 3.°9/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.72	+ 3 8.2	2.528	3.341	11.2	21.1
3 12	13 32.06	+ 3 59.3	2.443	3.337	8.7	21.0
3 22	13 26.74	+ 4 53.2	2.383	3.333	6.1	20.8
4 1	13 20.20	+ 5 45.4	2.350	3.329	4.2	20.6
4 11	13 13.09	+ 6 30.5	2.346	3.325	4.4	20.7
4 21	13 6.08	+ 7 4.3	2.370	3.320	6.7	20.8
5 1	12 59.83	+ 7 23.8	2.420	3.316	9.3	20.9
5 11	12 54.91	+ 7 27.5	2.494	3.312	11.8	21.1

500658 2012 VX_{19} 4 9.7 148.°46 0.°9/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.83	− 6 56.9	2.838	3.622	10.8	22.6
3 12	13 32.68	− 6 25.6	2.752	3.631	8.4	22.5
3 22	13 27.03	− 5 46.6	2.691	3.639	5.6	22.3
4 1	13 20.30	− 5 2.9	2.657	3.646	2.6	22.1
4 11	13 13.09	− 4 18.0	2.654	3.654	1.2	22.0
4 21	13 6.01	− 3 35.7	2.680	3.660	4.0	22.2
5 1	12 59.65	− 2 59.8	2.735	3.667	6.9	22.4
5 11	12 54.50	− 2 32.9	2.816	3.673	9.5	22.6

346125 2007 VA_{167} 4 9.7 252.°72 4.°7/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.43	−26 6.1	2.442	3.151	14.3	21.0
3 12	13 33.04	−26 2.2	2.329	3.139	12.2	20.9
3 22	13 27.66	−25 38.4	2.235	3.126	9.7	20.7
4 1	13 20.74	−24 53.6	2.166	3.113	7.0	20.5
4 11	13 13.01	−23 49.3	2.123	3.100	5.0	20.3
4 21	13 5.29	−22 29.4	2.108	3.087	5.2	20.3
5 1	12 58.41	−21 0.1	2.122	3.073	7.5	20.4
5 11	12 53.08	−19 29.0	2.162	3.059	10.3	20.6

303738 2005 QJ_{68} 4 9.7 250.°97 1.°1/10.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.83	−12 39.2	2.696	3.460	11.9	21.5
3 12	13 34.57	−12 40.3	2.583	3.444	9.5	21.3
3 22	13 28.53	−12 31.2	2.492	3.428	6.7	21.1
4 1	13 21.12	−12 13.0	2.429	3.411	3.6	20.8
4 11	13 12.96	−11 47.9	2.394	3.395	1.1	20.6
4 21	13 4.76	−11 19.0	2.389	3.377	3.7	20.8
5 1	12 57.24	−10 50.0	2.413	3.360	7.0	21.0
5 11	12 51.03	−10 24.9	2.464	3.342	10.0	21.1

330706 2008 MY 4 9.7 274.°67 9.°8/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 43.15	+17 33.1	1.974	2.783	14.0	20.9
3 12	13 38.65	+18 51.3	1.887	2.759	12.0	20.7
3 22	13 31.65	+20 3.7	1.823	2.735	10.3	20.5
4 1	13 22.71	+21 1.0	1.784	2.710	9.8	20.5
4 11	13 12.73	+21 34.7	1.770	2.685	10.7	20.5
4 21	13 2.77	+21 39.5	1.780	2.660	12.8	20.5
5 1	12 53.91	+21 13.8	1.812	2.634	15.3	20.6
5 11	12 46.99	+20 19.5	1.864	2.608	17.8	20.8

467237 2016 ED_{166} 4 9.7 78.°18 0.°4/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.37	−12 21.1	1.614	2.413	17.1	21.6
3 12	13 35.11	−11 50.3	1.538	2.421	13.5	21.3
3 22	13 29.28	−11 1.5	1.482	2.429	9.3	21.1
4 1	13 21.54	− 9 57.9	1.449	2.437	4.6	20.8
4 11	13 12.91	− 8 46.1	1.444	2.446	0.6	20.6
4 21	13 4.53	− 7 33.7	1.465	2.454	5.4	20.9
5 1	12 57.47	− 6 28.8	1.512	2.462	10.0	21.2
5 11	12 52.52	− 5 38.0	1.582	2.470	14.0	21.5

429142 2009 UP_{33} 4 9.7 187.°94 3.°1/ 6.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 42.42	+ 0 15.8	2.301	3.100	12.6	22.5
3 12	13 37.43	+ 0 45.0	2.213	3.100	9.8	22.3
3 22	13 30.46	+ 1 18.4	2.149	3.099	6.7	22.1
4 1	13 22.01	+ 1 51.9	2.112	3.097	3.8	21.9
4 11	13 12.85	+ 2 20.7	2.105	3.095	3.5	21.9
4 21	13 3.81	+ 2 40.7	2.126	3.092	6.2	22.1
5 1	12 55.72	+ 2 48.6	2.175	3.089	9.4	22.3
5 11	12 49.23	+ 2 42.9	2.249	3.085	12.4	22.4

305299 2008 AG_{20} 4 9.7 59.°10 3.°7/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.14	−20 6.6	2.305	3.047	14.2	20.8
3 12	13 34.29	−20 25.7	2.215	3.053	11.8	20.7
3 22	13 28.43	−20 29.5	2.146	3.060	8.9	20.5
4 1	13 21.08	−20 17.5	2.101	3.066	5.9	20.3
4 11	13 12.99	−19 51.4	2.084	3.072	3.8	20.2
4 21	13 5.00	−19 14.5	2.095	3.079	4.6	20.2
5 1	12 57.94	−18 31.8	2.133	3.085	7.4	20.4
5 11	12 52.48	−17 48.9	2.197	3.092	10.3	20.6

361115 2006 EZ_{23} 4 9.7 50.°96 2.°9/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.13	− 5 40.9	1.300	2.132	18.6	21.1
3 12	13 35.39	− 4 42.7	1.235	2.140	14.5	20.8
3 22	13 29.70	− 3 29.1	1.190	2.149	9.6	20.6
4 1	13 21.79	− 2 7.4	1.168	2.159	4.7	20.3
4 11	13 12.90	− 0 47.6	1.171	2.168	3.5	20.3
4 21	13 4.35	+ 0 20.3	1.199	2.178	8.0	20.5
5 1	12 57.40	+ 1 8.6	1.251	2.188	12.8	20.8
5 11	12 52.90	+ 1 33.4	1.323	2.199	17.0	21.1

96551 1998 SL_{100} 4 9.7 236.°20 2.°5/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.87	−16 20.3	2.294	3.050	13.9	19.8
3 12	13 35.73	−16 30.6	2.189	3.042	11.3	19.6
3 22	13 29.49	−16 27.3	2.106	3.033	8.3	19.4
4 1	13 21.64	−16 10.5	2.049	3.024	5.0	19.2
4 11	13 12.91	−15 42.3	2.019	3.015	2.5	19.0
4 21	13 4.17	−15 6.1	2.018	3.006	4.3	19.1
5 1	12 56.30	−14 26.8	2.045	2.996	7.7	19.3
5 11	12 50.04	−13 49.7	2.097	2.986	11.0	19.5

466814 2015 BA_{129} 4 9.7 281.°80 2.°5/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 37.17	− 4 18.6	1.844	2.658	14.7	21.2
3 12	13 34.00	− 3 32.9	1.749	2.645	11.5	20.9
3 22	13 28.52	− 2 36.0	1.676	2.632	7.7	20.7
4 1	13 21.23	− 1 32.9	1.629	2.618	3.9	20.4
4 11	13 12.98	− 0 30.2	1.609	2.605	3.0	20.3
4 21	13 4.75	+ 0 25.0	1.616	2.592	6.7	20.5
5 1	12 57.54	+ 1 6.8	1.649	2.578	10.8	20.7
5 11	12 52.17	+ 1 31.0	1.704	2.565	14.5	20.9

306116 2010 JZ_{61} 4 9.7 226.°49 0.°1/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.81	− 9 47.8	2.923	3.699	10.8	21.8
3 12	13 31.99	− 9 23.4	2.817	3.690	8.5	21.7
3 22	13 26.65	− 8 49.9	2.736	3.680	5.8	21.5
4 1	13 20.18	− 8 9.3	2.682	3.670	2.7	21.3
4 11	13 13.14	− 7 24.8	2.658	3.660	0.4	21.0
4 21	13 6.13	− 6 40.1	2.664	3.649	3.6	21.3
5 1	12 59.76	− 5 59.2	2.698	3.638	6.7	21.5
5 11	12 54.54	− 5 25.4	2.759	3.627	9.4	21.6

13242 1998 KR_{44} 4 9.7 266.°38 2.°0/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 39.55	− 5 55.2	1.789	2.597	15.3	18.9
3 12	13 36.07	− 5 14.2	1.685	2.577	12.1	18.6
3 22	13 30.08	− 4 20.1	1.603	2.556	8.2	18.3
4 1	13 22.04	− 3 17.1	1.545	2.535	3.9	18.0
4 11	13 12.85	− 2 11.7	1.515	2.514	2.5	17.9
4 21	13 3.57	− 1 11.2	1.512	2.492	6.7	18.1
5 1	12 55.32	− 0 22.8	1.536	2.469	11.2	18.3
5 11	12 49.02	+ 0 8.5	1.582	2.447	15.2	18.5

500582 2012 UO_{88} 4 9.7 133.°42 0.°4/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 37.41	− 8 43.4	2.685	3.466	11.5	22.5
3 12	13 33.23	− 8 18.7	2.601	3.477	9.0	22.4
3 22	13 27.45	− 7 45.2	2.541	3.487	6.0	22.2
4 1	13 20.53	− 7 5.4	2.508	3.497	2.8	22.0
4 11	13 13.10	− 6 23.0	2.505	3.507	0.7	21.8
4 21	13 5.82	− 5 41.9	2.532	3.516	3.9	22.1
5 1	12 59.31	− 5 5.9	2.587	3.525	7.0	22.3
5 11	12 54.11	− 4 38.2	2.668	3.533	9.7	22.5

496842 1999 RB_{30} 4 9.7 197.°13 4.°7/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 42.41	−25 57.2	2.946	3.629	12.6	22.9
3 12	13 37.32	−26 21.9	2.834	3.625	10.8	22.7
3 22	13 30.37	−26 31.7	2.744	3.621	8.6	22.6
4 1	13 22.00	−26 25.3	2.679	3.615	6.4	22.4
4 11	13 12.88	−26 2.9	2.642	3.609	4.9	22.3
4 21	13 3.73	−25 26.4	2.634	3.602	5.0	22.3
5 1	12 55.34	−24 39.9	2.655	3.594	6.8	22.4
5 11	12 48.33	−23 48.4	2.704	3.585	9.1	22.5

258131 2001 RH_{31} 4 9.7 123.°53 2.°0/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.99	− 6 10.4	2.072	2.871	13.8	21.3
3 12	13 34.87	− 5 8.5	1.999	2.887	10.7	21.1
3 22	13 28.74	− 3 55.8	1.949	2.901	7.1	20.9
4 1	13 21.19	− 2 37.3	1.926	2.915	3.4	20.7
4 11	13 13.02	− 1 19.7	1.932	2.929	2.4	20.6
4 21	13 5.11	− 0 9.5	1.967	2.942	5.8	20.9
5 1	12 58.26	+ 0 47.6	2.029	2.955	9.3	21.1
5 11	12 53.07	+ 1 28.3	2.116	2.967	12.5	21.3

57310 2001 QE_{211} 4 9.7 93.°19 0.°3/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 39.14	−11 40.0	1.789	2.582	15.9	20.0
3 12	13 35.42	−11 12.2	1.713	2.593	12.6	19.8
3 22	13 29.34	−10 28.9	1.659	2.605	8.6	19.6
4 1	13 21.54	− 9 33.3	1.629	2.617	4.2	19.3
4 11	13 12.97	− 8 30.9	1.626	2.628	0.5	19.1
4 21	13 4.65	− 7 28.4	1.652	2.640	5.0	19.4
5 1	12 57.55	− 6 32.7	1.704	2.651	9.3	19.7
5 11	12 52.38	− 5 49.1	1.779	2.662	12.9	19.9

143609 2003 FL_{114} 4 9.7 16.°21 2.°4/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.33	−19 9.1	1.745	2.525	16.8	18.5
3 12	13 29.51	−18 32.7	1.665	2.532	13.6	18.3
3 22	13 25.44	−17 33.1	1.606	2.539	9.9	18.1
4 1	13 19.72	−16 12.6	1.570	2.548	5.8	17.9
4 11	13 13.24	−14 36.9	1.560	2.558	2.5	17.7
4 21	13 6.98	−12 54.4	1.577	2.568	4.6	17.8
5 1	13 1.85	−11 14.5	1.620	2.580	8.6	18.1
5 11	12 58.53	− 9 45.5	1.688	2.592	12.4	18.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
241672	2000 QT_{62}		4 9.7	199.°03	1.°7/ 8.2	17
	h m	° ′			°	m
3 2	13 42.63	− 5 46.0	2.104	2.895	13.9	22.2
3 12	13 37.90	− 5 8.2	2.009	2.892	10.9	22.0
3 22	13 30.96	− 4 20.1	1.937	2.887	7.3	21.8
4 1	13 22.34	− 3 25.6	1.892	2.881	3.5	21.5
4 11	13 12.86	− 2 30.1	1.876	2.875	2.1	21.4
4 21	13 3.46	− 1 39.4	1.889	2.867	5.7	21.6
5 1	12 55.07	− 0 58.8	1.930	2.859	9.6	21.8
5 11	12 48.42	− 0 32.1	1.996	2.849	13.0	22.0
348864	2006 SG_{139}		4 9.7	154.°57	2.°7/ 6.4	18
3 2	13 37.57	+ 0 20.4	2.892	3.690	10.3	21.3
3 12	13 33.21	+ 0 57.9	2.811	3.697	8.0	21.1
3 22	13 27.38	+ 1 38.7	2.754	3.704	5.4	21.0
4 1	13 20.50	+ 2 19.5	2.726	3.710	3.2	20.8
4 11	13 13.15	+ 2 56.1	2.728	3.716	3.0	20.8
4 21	13 5.93	+ 3 25.1	2.760	3.721	5.2	21.0
5 1	12 59.44	+ 3 43.9	2.819	3.726	7.8	21.2
5 11	12 54.13	+ 3 50.8	2.904	3.731	10.1	21.3
215199	2000 SB_{130}		4 9.7	228.°61	1.°4/12.9	18
3 2	13 28.82	−18 36.6	5.361	6.086	6.8	20.4
3 12	13 25.92	−18 19.0	5.245	6.077	5.5	20.3
3 22	13 22.24	−17 53.8	5.154	6.068	4.1	20.1
4 1	13 18.01	−17 22.0	5.091	6.060	2.5	20.0
4 11	13 13.51	−16 44.9	5.058	6.050	1.4	19.9
4 21	13 9.04	−16 4.2	5.055	6.041	2.0	20.0
5 1	13 4.89	−15 22.1	5.082	6.032	3.5	20.1
5 11	13 1.32	−14 40.6	5.138	6.022	5.0	20.2
423655	2005 YA_{73}		4 9.7	222.°69	5.°7/ 3.7	17
3 2	13 40.61	+ 7 21.0	2.264	3.075	12.4	22.0
3 12	13 36.15	+ 8 22.3	2.177	3.066	9.9	21.8
3 22	13 29.68	+ 9 24.6	2.114	3.056	7.4	21.6
4 1	13 21.70	+10 21.6	2.079	3.045	5.8	21.5
4 11	13 12.97	+11 6.8	2.071	3.034	6.3	21.5
4 21	13 4.33	+11 35.4	2.091	3.023	8.6	21.6
5 1	12 56.60	+11 44.5	2.136	3.011	11.3	21.7
5 11	12 50.46	+11 33.5	2.204	2.998	14.0	21.9
456975	2008 BB_{12}		4 9.7	80.°90	4.°2/ 6.1	18
3 2	13 39.32	− 1 16.9	1.581	2.406	16.2	21.1
3 12	13 35.73	− 0 9.1	1.518	2.420	12.5	20.9
3 22	13 29.61	+ 1 7.5	1.477	2.433	8.5	20.7
4 1	13 21.69	+ 2 25.3	1.460	2.446	4.9	20.5
4 11	13 12.99	+ 3 35.2	1.471	2.460	4.8	20.5
4 21	13 4.63	+ 4 30.0	1.507	2.473	8.3	20.7
5 1	12 57.65	+ 5 4.3	1.568	2.486	12.1	21.0
5 11	12 52.76	+ 5 16.3	1.651	2.499	15.5	21.2
287145	2002 RM_{220}		4 9.7	236.°59	1.°0/ 8.9	17
3 2	13 41.39	− 7 22.7	1.983	2.777	14.5	22.0
3 12	13 37.20	− 6 58.2	1.881	2.764	11.5	21.8
3 22	13 30.66	− 6 22.2	1.801	2.751	7.8	21.5
4 1	13 22.28	− 5 37.9	1.748	2.737	3.7	21.2
4 11	13 12.89	− 4 50.0	1.722	2.723	1.4	21.0
4 21	13 3.49	− 4 4.4	1.725	2.708	5.5	21.3
5 1	12 55.08	− 3 26.7	1.755	2.692	9.7	21.5
5 11	12 48.49	− 3 1.4	1.809	2.676	13.5	21.7
503311	2016 AU_{124}		4 9.7	340.°67	1.°3/10.6	17
3 2	13 37.37	−11 54.7	1.304	2.121	19.4	20.6
3 12	13 35.19	−12 0.3	1.221	2.114	15.6	20.3
3 22	13 29.90	−11 47.7	1.156	2.107	11.0	20.0
4 1	13 22.10	−11 18.5	1.113	2.101	5.7	19.7
4 11	13 12.92	−10 37.2	1.094	2.095	1.3	19.4
4 21	13 3.80	− 9 51.0	1.099	2.091	6.2	19.7
5 1	12 56.17	− 9 8.5	1.128	2.087	11.6	20.0
5 11	12 51.10	− 8 37.3	1.177	2.084	16.3	20.2
229668	2006 SQ_{408}		4 9.8	281.°73	2.°1/ 8.2	17
3 2	13 40.54	− 5 4.6	1.695	2.506	15.9	21.8
3 12	13 37.09	− 4 37.5	1.589	2.482	12.6	21.5
3 22	13 30.94	− 3 58.8	1.503	2.457	8.6	21.2
4 1	13 22.55	− 3 12.2	1.442	2.432	4.2	20.9
4 11	13 12.85	− 2 23.9	1.408	2.407	2.5	20.7
4 21	13 2.97	− 1 40.7	1.401	2.382	6.9	20.9
5 1	12 54.15	− 1 9.3	1.419	2.356	11.7	21.1
5 11	12 47.41	− 0 54.4	1.460	2.330	16.0	21.3
316093	2009 LB_1		4 9.8	345.°92	5.°6/ 5.2	17
3 2	13 36.62	+ 0 52.8	1.375	2.216	17.2	20.5
3 12	13 34.20	+ 2 3.3	1.302	2.212	13.5	20.3
3 22	13 28.95	+ 3 22.9	1.250	2.209	9.4	20.0
4 1	13 21.52	+ 4 42.7	1.222	2.206	6.1	19.8
4 11	13 13.02	+ 5 52.0	1.218	2.203	6.4	19.8
4 21	13 4.71	+ 6 42.0	1.239	2.201	10.1	20.0
5 1	12 57.83	+ 7 6.6	1.282	2.199	14.2	20.3
5 11	12 53.27	+ 7 4.4	1.344	2.198	18.0	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
175735	1998 HA_1		4 9.8	258.°03	2.°7/ 7.3	18
	h m	° ′			°	m
3 2	13 40.09	− 4 8.1	1.846	2.654	14.9	21.3
3 12	13 36.40	− 3 19.9	1.742	2.635	11.7	21.0
3 22	13 30.26	− 2 19.9	1.661	2.615	7.9	20.7
4 1	13 22.15	− 1 13.0	1.606	2.595	4.0	20.5
4 11	13 12.93	− 0 6.0	1.578	2.574	3.2	20.4
4 21	13 3.64	+ 0 53.5	1.578	2.552	7.0	20.5
5 1	12 55.36	+ 1 39.2	1.604	2.530	11.3	20.7
5 11	12 48.97	+ 2 6.4	1.653	2.508	15.2	20.9
459599	2013 HG_{22}		4 9.8	308.°29	2.°9/11.9	17
3 2	13 34.65	−16 56.0	1.354	2.156	19.6	21.0
3 12	13 33.29	−16 53.0	1.247	2.129	16.2	20.7
3 22	13 28.85	−16 25.1	1.159	2.101	11.9	20.4
4 1	13 21.75	−15 31.2	1.092	2.074	7.0	20.0
4 11	13 12.97	−14 14.5	1.048	2.047	3.0	19.7
4 21	13 3.90	−12 42.8	1.028	2.021	6.3	19.8
5 1	12 56.07	−11 7.7	1.032	1.995	11.9	20.0
5 11	12 50.76	− 9 41.8	1.057	1.970	17.2	20.2
179902	2002 VO_4		4 9.8	258.°17	0.°4/ 9.0	18
3 2	13 30.14	− 7 10.3	4.531	5.310	7.2	20.7
3 12	13 27.05	− 6 53.0	4.429	5.304	5.6	20.6
3 22	13 23.06	− 6 31.2	4.352	5.299	3.7	20.5
4 1	13 18.43	− 6 6.3	4.305	5.293	1.7	20.3
4 11	13 13.50	− 5 40.2	4.287	5.288	0.6	20.2
4 21	13 8.60	− 5 15.0	4.300	5.282	2.5	20.4
5 1	13 4.07	− 4 52.7	4.342	5.277	4.5	20.5
5 11	13 0.23	− 4 35.0	4.411	5.271	6.3	20.6
415626	2014 QF_{371}		4 9.8	135.°32	1.°1/ 8.8	18
3 2	13 41.15	− 7 56.4	1.763	2.564	15.8	22.0
3 12	13 37.04	− 7 20.2	1.686	2.572	12.4	21.8
3 22	13 30.49	− 6 30.9	1.629	2.581	8.3	21.6
4 1	13 22.15	− 5 32.6	1.599	2.588	3.9	21.3
4 11	13 12.97	− 4 31.8	1.595	2.596	1.6	21.2
4 21	13 4.02	− 3 35.1	1.620	2.603	5.8	21.5
5 1	12 56.32	− 2 48.9	1.671	2.610	10.1	21.7
5 11	12 50.62	− 2 17.7	1.745	2.616	13.8	22.0
363838	2005 QP_{14}		4 9.8	192.°03	0.°6/10.3	17
3 2	13 40.29	−11 55.3	2.099	2.878	14.3	22.1
3 12	13 36.12	−11 38.2	2.005	2.877	11.4	21.9
3 22	13 29.79	−11 7.5	1.933	2.875	7.9	21.7
4 1	13 21.82	−10 25.4	1.887	2.873	4.0	21.4
4 11	13 13.01	− 9 35.9	1.868	2.870	0.7	21.2
4 21	13 4.29	− 8 44.2	1.879	2.867	4.5	21.5
5 1	12 56.57	− 7 56.0	1.918	2.864	8.5	21.7
5 11	12 50.56	− 7 16.5	1.981	2.860	12.0	21.9
308180	2005 CQ_{29}		4 9.8	114.°11	0.°5/ 9.3	18
3 2	13 43.13	− 8 56.1	1.743	2.537	16.2	21.7
3 12	13 38.54	− 8 31.8	1.671	2.553	12.7	21.5
3 22	13 31.46	− 7 54.4	1.620	2.569	8.6	21.3
4 1	13 22.58	− 7 7.5	1.595	2.584	4.0	21.0
4 11	13 12.92	− 6 16.7	1.597	2.598	1.0	20.8
4 21	13 3.56	− 5 28.2	1.627	2.612	5.5	21.2
5 1	12 55.54	− 4 48.2	1.684	2.626	9.8	21.5
5 11	12 49.59	− 4 21.0	1.764	2.639	13.4	21.7
164222	2004 RN_9		4 9.8	106.°57	12.°9/12.3	17
3 2	14 34.50	−16 15.8	0.563	1.364	38.9	21.8
3 12	14 24.23	−19 59.1	0.527	1.398	32.4	21.5
3 22	14 5.63	−23 25.3	0.502	1.430	24.8	21.2
4 1	13 39.71	−26 6.9	0.494	1.460	17.2	21.0
4 11	13 10.50	−27 39.6	0.505	1.488	13.0	20.9
4 21	12 43.55	−28 1.3	0.538	1.514	15.3	21.2
5 1	12 23.23	−27 34.6	0.589	1.537	20.7	21.6
5 11	12 11.04	−26 50.6	0.656	1.558	26.0	22.0
470204	2006 VV_{78}		4 9.8	236.°71	2.°0/12.3	16
3 2	13 35.69	−18 12.3	2.748	3.493	12.1	22.8
3 12	13 32.12	−17 48.0	2.636	3.482	9.9	22.7
3 22	13 26.88	−17 8.9	2.546	3.469	7.2	22.5
4 1	13 20.38	−16 15.9	2.482	3.457	4.3	22.3
4 11	13 13.23	−15 12.0	2.447	3.444	2.0	22.1
4 21	13 6.10	−14 1.2	2.442	3.431	3.6	22.2
5 1	12 59.66	−12 49.0	2.466	3.417	6.6	22.3
5 11	12 54.50	−11 40.7	2.517	3.403	9.5	22.5
109313	2001 QR_{134}		4 9.8	259.°22	3.°0/13.1	18
3 2	13 36.10	−19 53.6	2.342	3.089	13.9	19.2
3 12	13 32.78	−19 45.2	2.237	3.080	11.5	19.0
3 22	13 27.50	−19 19.7	2.152	3.071	8.6	18.8
4 1	13 20.73	−18 37.5	2.092	3.062	5.5	18.6
4 11	13 13.18	−17 41.0	2.060	3.053	3.1	18.4
4 21	13 5.65	−16 34.7	2.056	3.044	4.3	18.5
5 1	12 58.96	−15 24.6	2.080	3.034	7.4	18.6
5 11	12 53.80	−14 17.1	2.130	3.025	10.6	18.8

337049 1996 VX_2 4 9.8 92.°87 0.°0/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.50	−11 10.4	2.501	3.277	12.4	22.0
3 12	13 33.35	−10 34.4	2.430	3.302	9.7	21.9
3 22	13 27.55	− 9 47.3	2.382	3.325	6.5	21.7
4 1	13 20.61	− 8 52.1	2.362	3.349	3.1	21.5
4 11	13 13.21	− 7 53.1	2.370	3.372	0.4	21.3
4 21	13 6.05	− 6 55.1	2.409	3.395	3.9	21.6
5 1	12 59.79	− 6 2.6	2.476	3.417	7.1	21.9
5 11	12 54.91	− 5 19.6	2.569	3.439	9.9	22.1

203388 2001 XX_{104} 4 9.8 225.°38 2.°2/11.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 41.47	−15 57.7	1.777	2.550	16.8	21.3
3 12	13 37.65	−15 51.6	1.677	2.541	13.6	21.0
3 22	13 31.18	−15 27.1	1.598	2.533	9.9	20.8
4 1	13 22.62	−14 44.6	1.543	2.524	5.6	20.5
4 11	13 12.91	−13 47.5	1.515	2.514	2.3	20.3
4 21	13 3.19	−12 41.8	1.514	2.504	5.1	20.4
5 1	12 54.63	−11 35.4	1.540	2.493	9.6	20.7
5 11	12 48.17	−10 36.2	1.590	2.482	13.7	20.9

419637 2010 TY_{13} 4 9.8 142.°40 1.°7/11.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 40.47	−15 5.2	1.835	2.611	16.2	22.4
3 12	13 36.55	−14 51.8	1.750	2.617	13.0	22.2
3 22	13 30.21	−14 21.0	1.686	2.623	9.2	21.9
4 1	13 22.05	−13 34.4	1.646	2.628	5.0	21.7
4 11	13 13.01	−12 36.2	1.633	2.634	1.7	21.5
4 21	13 4.13	−11 32.6	1.649	2.638	4.8	21.7
5 1	12 56.46	−10 30.8	1.691	2.643	9.0	22.0
5 11	12 50.75	− 9 37.5	1.757	2.647	12.7	22.2

102594 1999 VC_3 4 9.8 281.°27 3.°8/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 41.19	− 0 50.5	1.603	2.425	16.2	20.0
3 12	13 37.60	− 0 16.7	1.511	2.410	12.7	19.8
3 22	13 31.24	+ 0 25.1	1.440	2.395	8.7	19.5
4 1	13 22.68	+ 1 9.2	1.393	2.380	4.8	19.2
4 11	13 12.91	+ 1 48.6	1.372	2.365	4.3	19.1
4 21	13 3.12	+ 2 16.4	1.378	2.350	8.1	19.3
5 1	12 54.56	+ 2 27.2	1.408	2.335	12.5	19.5
5 11	12 48.18	+ 2 18.5	1.460	2.320	16.5	19.7

198982 2005 VL_{44} 4 9.8 295.°63 2.°9/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.16	−16 32.9	1.335	2.134	20.0	20.9
3 12	13 35.92	−16 33.5	1.244	2.123	16.4	20.6
3 22	13 30.50	−16 10.6	1.171	2.112	12.0	20.3
4 1	13 22.46	−15 23.8	1.120	2.102	6.9	20.0
4 11	13 12.93	−14 17.0	1.092	2.091	2.9	19.7
4 21	13 3.37	−12 58.3	1.089	2.081	6.2	19.9
5 1	12 55.27	−11 38.5	1.111	2.071	11.5	20.1
5 11	12 49.79	−10 28.7	1.153	2.062	16.4	20.4

170962 2005 CH_3 4 9.8 17.°91 2.°1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 39.76	−11 49.1	1.176	1.997	20.8	19.5
3 12	13 37.22	−12 20.3	1.108	2.002	16.7	19.2
3 22	13 31.31	−12 34.4	1.058	2.009	11.8	19.0
4 1	13 22.76	−12 32.0	1.030	2.016	6.3	18.7
4 11	13 12.90	−12 16.6	1.024	2.025	2.1	18.4
4 21	13 3.32	−11 54.2	1.042	2.034	6.3	18.7
5 1	12 55.52	−11 32.3	1.084	2.045	11.6	19.0
5 11	12 50.54	−11 18.0	1.145	2.057	16.3	19.3

83725 2001 TW_{103} 4 9.8 22.°73 2.°6/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.15	−18 23.7	2.075	2.838	15.0	19.3
3 12	13 32.18	−18 11.5	1.985	2.841	12.2	19.1
3 22	13 27.14	−17 41.4	1.916	2.844	8.9	18.9
4 1	13 20.56	−16 54.3	1.872	2.847	5.4	18.7
4 11	13 13.23	−15 53.8	1.855	2.851	2.7	18.5
4 21	13 6.03	−14 45.4	1.865	2.855	4.4	18.6
5 1	12 59.80	−13 35.6	1.903	2.859	7.8	18.8
5 11	12 55.24	−12 31.2	1.965	2.863	11.2	19.0

187504 2006 SO_{365} 4 9.8 77.°40 3.°3/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 41.03	− 2 59.4	1.651	2.467	16.0	20.8
3 12	13 36.81	− 1 56.4	1.596	2.493	12.3	20.6
3 22	13 30.20	− 0 44.6	1.564	2.519	8.2	20.4
4 1	13 21.94	+ 0 29.3	1.557	2.545	4.4	20.3
4 11	13 13.06	+ 1 37.1	1.577	2.570	3.9	20.3
4 21	13 4.63	+ 2 32.0	1.625	2.595	7.3	20.6
5 1	12 57.59	+ 3 9.0	1.698	2.620	11.1	20.8
5 11	12 52.60	+ 3 26.1	1.793	2.644	14.4	21.1

502329 2015 BD_{169} 4 9.8 251.°87 4.°2/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.19	+ 0 47.8	1.905	2.725	14.1	21.8
3 12	13 34.63	+ 1 44.1	1.822	2.720	11.0	21.6
3 22	13 28.85	+ 2 46.6	1.762	2.716	7.6	21.3
4 1	13 21.39	+ 3 49.4	1.728	2.711	4.7	21.2
4 11	13 13.12	+ 4 45.1	1.721	2.707	4.8	21.2
4 21	13 4.97	+ 5 27.8	1.741	2.702	7.8	21.3
5 1	12 57.87	+ 5 52.7	1.787	2.697	11.3	21.5
5 11	12 52.55	+ 5 58.0	1.855	2.692	14.5	21.7

466939 2016 AR_{117} 4 9.8 36.°92 5.°7/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.99	−21 26.4	1.405	2.177	20.5	21.0
3 12	13 37.10	−22 2.0	1.328	2.183	17.1	20.8
3 22	13 31.10	−22 13.8	1.270	2.190	13.1	20.6
4 1	13 22.64	−21 59.4	1.232	2.197	9.0	20.4
4 11	13 12.94	−21 20.3	1.217	2.205	5.9	20.2
4 21	13 3.43	−20 22.1	1.228	2.213	6.8	20.3
5 1	12 55.51	−19 14.3	1.262	2.222	10.5	20.5
5 11	12 50.19	−18 7.4	1.319	2.231	14.6	20.8

464916 2005 TO_{133} 4 9.8 121.°51 2.°1/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 37.94	− 6 16.9	1.973	2.777	14.2	21.7
3 12	13 34.23	− 5 10.5	1.898	2.788	11.0	21.5
3 22	13 28.43	− 3 52.3	1.846	2.799	7.3	21.3
4 1	13 21.13	− 2 27.6	1.820	2.810	3.5	21.1
4 11	13 13.17	− 1 3.8	1.823	2.820	2.6	21.0
4 21	13 5.44	+ 0 12.1	1.855	2.830	6.1	21.3
5 1	12 58.78	+ 1 13.9	1.913	2.839	9.8	21.5
5 11	12 53.84	+ 1 57.9	1.995	2.848	13.0	21.7

4694 Festou 4 9.8 269.°48 2.°4/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 39.74	−15 54.3	2.111	2.875	14.7	17.4
3 12	13 35.96	−16 2.5	1.999	2.857	12.0	17.2
3 22	13 29.89	−15 56.2	1.908	2.838	8.8	17.0
4 1	13 21.99	−15 35.3	1.842	2.820	5.2	16.7
4 11	13 13.04	−15 1.9	1.803	2.801	2.5	16.5
4 21	13 3.97	−14 19.9	1.792	2.781	4.6	16.6
5 1	12 55.79	−13 34.9	1.809	2.762	8.4	16.8
5 11	12 49.33	−12 52.9	1.851	2.742	12.1	17.0

479146 2013 BF_{67} 4 9.8 277.°56 3.°5/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.17	−19 58.9	2.499	3.236	13.4	21.1
3 12	13 34.26	−20 19.5	2.398	3.234	11.1	20.9
3 22	13 28.45	−20 26.0	2.319	3.231	8.4	20.8
4 1	13 21.19	−20 18.0	2.265	3.229	5.6	20.6
4 11	13 13.17	−19 56.8	2.239	3.227	3.6	20.4
4 21	13 5.18	−19 25.2	2.241	3.224	4.4	20.5
5 1	12 58.00	−18 47.4	2.271	3.222	7.1	20.6
5 11	12 52.29	−18 8.7	2.327	3.219	9.9	20.8

62657 2000 SK_{365} 4 9.8 124.°40 0.°6/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.26	− 7 15.0	2.561	3.347	11.8	20.0
3 12	13 34.01	− 6 58.3	2.477	3.355	9.2	19.8
3 22	13 28.08	− 6 33.7	2.416	3.364	6.2	19.6
4 1	13 20.93	− 6 3.8	2.383	3.372	2.9	19.4
4 11	13 13.22	− 5 32.0	2.379	3.380	0.9	19.3
4 21	13 5.65	− 5 2.1	2.404	3.388	4.2	19.5
5 1	12 58.90	− 4 37.6	2.458	3.395	7.3	19.7
5 11	12 53.51	− 4 21.5	2.537	3.402	10.2	19.9

267281 2001 SM_{11} 4 9.8 141.°25 3.°7/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 43.66	−20 49.5	2.400	3.124	14.2	21.8
3 12	13 38.49	−21 5.2	2.311	3.138	11.7	21.6
3 22	13 31.25	−21 5.4	2.244	3.151	8.9	21.4
4 1	13 22.50	−20 49.4	2.202	3.163	5.9	21.3
4 11	13 13.01	−20 18.9	2.188	3.175	3.8	21.2
4 21	13 3.67	−19 37.2	2.203	3.185	4.6	21.2
5 1	12 55.34	−18 49.5	2.247	3.196	7.3	21.4
5 11	12 48.68	−18 1.6	2.318	3.205	10.2	21.6

316192 2010 LO_{53} 4 9.8 232.°01 2.°3/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 42.46	−14 54.9	1.805	2.578	16.5	21.3
3 12	13 38.40	−15 4.9	1.706	2.571	13.4	21.1
3 22	13 31.70	−14 59.1	1.628	2.563	9.7	20.8
4 1	13 22.90	−14 37.7	1.574	2.554	5.5	20.6
4 11	13 12.94	−14 3.1	1.547	2.546	2.3	20.3
4 21	13 2.96	−13 20.3	1.547	2.536	5.1	20.5
5 1	12 54.12	−12 35.6	1.574	2.527	9.4	20.7
5 11	12 47.36	−11 56.0	1.625	2.517	13.5	20.9

105465 2000 QO_{207} 4 9.8 155.°82 0.°6/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 37.20	−12 10.5	2.899	3.664	11.1	20.6
3 12	13 33.04	−11 54.9	2.807	3.670	8.8	20.5
3 22	13 27.36	−11 29.5	2.738	3.676	6.1	20.3
4 1	13 20.59	−10 56.0	2.697	3.682	3.1	20.1
4 11	13 13.29	−10 17.3	2.685	3.687	0.6	19.9
4 21	13 6.10	− 9 36.7	2.704	3.691	3.4	20.1
5 1	12 59.62	− 8 58.1	2.751	3.696	6.3	20.3
5 11	12 54.34	− 8 25.0	2.825	3.700	9.0	20.5

165478 2001 AQ_{46} 4 9.8 90.°45 5.°9/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 55.09	−20 33.1	1.732	2.461	18.7	20.1
3 12	13 48.22	−21 50.7	1.661	2.488	15.6	19.9
3 22	13 38.26	−22 51.1	1.611	2.514	12.0	19.8
4 1	13 25.95	−23 30.3	1.584	2.540	8.4	19.6
4 11	13 12.54	−23 47.0	1.586	2.565	6.0	19.5
4 21	12 59.47	−23 43.6	1.615	2.590	6.8	19.6
5 1	12 48.08	−23 25.7	1.672	2.614	9.8	19.8
5 11	12 39.32	−23 1.3	1.753	2.637	13.0	20.1

68787 2002 FJ_{13} 4 9.8 246.°59 2.°5/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.60	− 5 54.6	1.732	2.544	15.6	19.2
3 12	13 35.33	− 4 53.9	1.638	2.532	12.2	18.9
3 22	13 29.58	− 3 38.5	1.565	2.520	8.2	18.7
4 1	13 21.86	− 2 13.9	1.518	2.508	4.0	18.4
4 11	13 13.11	− 0 48.0	1.499	2.495	3.1	18.3
4 21	13 4.38	+ 0 30.5	1.506	2.482	7.1	18.5
5 1	12 56.76	+ 1 33.9	1.540	2.469	11.5	18.7
5 11	12 51.12	+ 2 17.0	1.596	2.455	15.4	18.9

53144 1999 BN_9 4 9.8 93.°72 2.°4/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.50	− 3 47.7	1.740	2.552	15.5	19.6
3 12	13 36.57	− 3 15.1	1.664	2.558	12.1	19.4
3 22	13 30.23	− 2 33.3	1.610	2.564	8.1	19.1
4 1	13 22.08	− 1 47.3	1.581	2.570	4.0	18.9
4 11	13 13.09	− 1 3.2	1.579	2.576	2.9	18.8
4 21	13 4.33	− 0 27.1	1.604	2.582	6.6	19.1
5 1	12 56.80	− 0 3.9	1.656	2.588	10.6	19.3
5 11	12 51.27	+ 0 3.5	1.730	2.594	14.2	19.6

296342 2009 FV_3 4 9.8 80.°90 2.°9/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.06	− 1 6.6	2.252	3.062	12.5	20.8
3 12	13 33.26	− 0 22.2	2.180	3.073	9.7	20.7
3 22	13 27.65	+ 0 27.8	2.131	3.084	6.5	20.5
4 1	13 20.75	+ 1 18.5	2.109	3.096	3.6	20.3
4 11	13 13.29	+ 2 4.8	2.116	3.107	3.4	20.3
4 21	13 6.02	+ 2 41.9	2.151	3.118	6.1	20.5
5 1	12 59.69	+ 3 6.3	2.212	3.129	9.1	20.7
5 11	12 54.84	+ 3 16.1	2.298	3.140	11.9	20.9

505760 2015 BH_{128} 4 9.8 328.°24 3.°3/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.72	− 2 22.8	1.678	2.502	15.4	21.6
3 12	13 33.85	− 1 38.0	1.593	2.495	12.0	21.3
3 22	13 28.54	− 0 43.6	1.530	2.488	8.1	21.1
4 1	13 21.34	+ 0 14.6	1.492	2.481	4.4	20.8
4 11	13 13.19	+ 1 9.3	1.480	2.474	3.9	20.8
4 21	13 5.14	+ 1 53.5	1.495	2.468	7.5	21.0
5 1	12 58.24	+ 2 21.6	1.534	2.463	11.6	21.2
5 11	12 53.29	+ 2 30.6	1.595	2.457	15.3	21.4

224537 2005 WK_{119} 4 9.8 129.°39 5.°1/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.80	−25 48.7	2.234	2.943	15.5	20.9
3 12	13 36.51	−26 0.0	2.146	2.956	13.1	20.8
3 22	13 30.05	−25 51.2	2.078	2.968	10.4	20.6
4 1	13 21.96	−25 21.3	2.033	2.979	7.5	20.5
4 11	13 13.11	−24 31.7	2.015	2.990	5.4	20.3
4 21	13 4.44	−23 26.6	2.024	3.000	5.6	20.4
5 1	12 56.84	−22 12.3	2.062	3.010	7.8	20.5
5 11	12 51.01	−20 56.4	2.125	3.020	10.6	20.7

420143 2011 FQ_{88} 4 9.8 27.°64 1.°6/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 44.39	−10 45.1	1.670	2.459	17.0	20.4
3 12	13 39.92	−11 21.1	1.587	2.463	13.6	20.1
3 22	13 32.70	−11 46.0	1.525	2.468	9.6	19.9
4 1	13 23.35	−12 0.0	1.488	2.473	5.1	19.7
4 11	13 12.91	−12 5.2	1.477	2.478	1.6	19.4
4 21	13 2.61	−12 4.6	1.494	2.484	5.2	19.7
5 1	12 53.65	−12 2.9	1.537	2.489	9.6	19.9
5 11	12 46.92	−12 4.8	1.604	2.496	13.6	20.2

205034 1998 QD_{71} 4 9.8 201.°63 0.°9/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.69	−13 58.3	2.695	3.455	12.0	21.0
3 12	13 33.64	−13 30.2	2.591	3.451	9.5	20.8
3 22	13 27.89	−12 49.5	2.510	3.446	6.7	20.6
4 1	13 20.89	−11 57.9	2.457	3.440	3.5	20.4
4 11	13 13.26	−10 58.8	2.432	3.434	0.9	20.2
4 21	13 5.69	− 9 56.7	2.438	3.427	3.6	20.4
5 1	12 58.85	− 8 56.4	2.474	3.419	6.9	20.5
5 11	12 53.32	− 8 2.8	2.535	3.411	9.8	20.7

226697 2004 JR_{43} 4 9.8 283.°59 4.°1/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.68	− 0 27.1	1.753	2.574	15.0	20.4
3 12	13 35.42	+ 0 24.2	1.656	2.556	11.8	20.2
3 22	13 29.67	+ 1 24.2	1.582	2.537	8.1	19.9
4 1	13 21.94	+ 2 26.9	1.532	2.518	4.8	19.6
4 11	13 13.11	+ 3 24.8	1.509	2.499	4.7	19.6
4 21	13 4.25	+ 4 10.4	1.513	2.479	8.2	19.7
5 1	12 56.44	+ 4 38.1	1.542	2.460	12.2	19.9
5 11	12 50.58	+ 4 44.8	1.592	2.441	15.9	20.1

312072 2007 TG_{24} 4 9.8 136.°64 0.°2/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.60	−11 12.0	1.874	2.658	15.6	22.2
3 12	13 38.07	−10 49.5	1.795	2.670	12.3	22.0
3 22	13 31.16	−10 12.6	1.737	2.681	8.5	21.8
4 1	13 22.51	− 9 24.3	1.704	2.692	4.1	21.6
4 11	13 13.05	− 8 29.4	1.700	2.702	0.5	21.3
4 21	13 3.83	− 7 34.1	1.724	2.711	5.0	21.7
5 1	12 55.83	− 6 44.7	1.775	2.720	9.1	21.9
5 11	12 49.78	− 6 6.2	1.851	2.728	12.8	22.2

285205 1996 XD_{18} 4 9.8 133.°76 1.°3/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.52	−14 10.8	2.105	2.877	14.5	21.5
3 12	13 35.46	−13 55.0	2.020	2.885	11.6	21.3
3 22	13 29.31	−13 24.4	1.956	2.893	8.2	21.1
4 1	13 21.61	−12 40.8	1.918	2.901	4.3	20.9
4 11	13 13.18	−11 48.2	1.908	2.909	1.3	20.7
4 21	13 4.91	−10 51.9	1.926	2.916	4.3	20.9
5 1	12 57.68	− 9 57.7	1.973	2.923	8.0	21.2
5 11	12 52.15	− 9 11.0	2.044	2.929	11.4	21.4

464538 2016 CH_{23} 4 9.8 58.°81 4.°1/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.91	−18 10.5	1.505	2.282	19.1	21.0
3 12	13 38.34	−18 38.8	1.427	2.289	15.7	20.7
3 22	13 31.82	−18 47.0	1.368	2.296	11.7	20.5
4 1	13 22.98	−18 34.0	1.330	2.304	7.4	20.3
4 11	13 12.99	−18 2.1	1.318	2.312	4.2	20.1
4 21	13 3.19	−17 16.5	1.331	2.320	5.9	20.2
5 1	12 54.88	−16 25.2	1.370	2.328	10.0	20.5
5 11	12 49.02	−15 36.8	1.431	2.336	14.1	20.7

135080 2001 PP_{65} 4 9.8 214.°63 0.°0/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.44	− 9 25.0	2.440	3.222	12.5	20.3
3 12	13 34.39	− 9 11.5	2.343	3.218	9.8	20.1
3 22	13 28.49	− 8 48.3	2.268	3.213	6.7	19.9
4 1	13 21.22	− 8 17.4	2.221	3.209	3.2	19.7
4 11	13 13.24	− 7 42.3	2.202	3.204	0.5	19.4
4 21	13 5.33	− 7 6.9	2.213	3.199	4.1	19.7
5 1	12 58.22	− 6 35.4	2.251	3.194	7.6	19.9
5 11	12 52.54	− 6 11.7	2.315	3.188	10.7	20.1

98548 2000 VR_{56} 4 9.8 145.°51 3.°8/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.54	−19 54.5	1.758	2.516	17.5	20.0
3 12	13 37.64	−19 59.0	1.672	2.521	14.4	19.8
3 22	13 31.12	−19 42.7	1.605	2.527	10.8	19.6
4 1	13 22.59	−19 5.2	1.562	2.532	6.8	19.4
4 11	13 13.06	−18 9.4	1.544	2.537	3.9	19.2
4 21	13 3.68	−17 1.2	1.554	2.541	5.3	19.3
5 1	12 55.59	−15 48.6	1.590	2.545	9.1	19.5
5 11	12 49.64	−14 40.1	1.651	2.549	12.9	19.8

239837 1999 FX_{90} 4 9.8 85.°91 1.°4/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.53	− 5 38.0	2.193	2.993	13.1	21.2
3 12	13 33.79	− 5 9.9	2.109	2.997	10.2	21.0
3 22	13 28.12	− 4 33.3	2.048	3.000	6.8	20.8
4 1	13 21.03	− 3 51.5	2.014	3.003	3.2	20.5
4 11	13 13.28	− 3 9.3	2.008	3.007	1.8	20.4
4 21	13 5.66	− 2 31.5	2.030	3.010	5.1	20.7
5 1	12 58.97	− 2 2.4	2.079	3.014	8.6	20.9
5 11	12 53.83	− 1 45.2	2.153	3.017	11.8	21.1

285306 1998 VQ_{46} 4 9.8 167.°52 0.°6/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 43.35	− 8 57.4	1.737	2.531	16.3	22.3
3 12	13 38.93	− 8 30.5	1.653	2.536	12.8	22.1
3 22	13 31.92	− 7 49.7	1.591	2.540	8.7	21.8
4 1	13 22.94	− 6 58.5	1.553	2.543	4.1	21.6
4 11	13 13.01	− 6 2.5	1.544	2.545	1.0	21.3
4 21	13 3.26	− 5 8.5	1.562	2.547	5.7	21.7
5 1	12 54.78	− 4 23.1	1.606	2.548	10.2	21.9
5 11	12 48.41	− 3 51.3	1.675	2.548	14.1	22.2

11655 1997 CC_{29} 4 9.8 42.°41 0.°0/ 9.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.32	− 9 55.1	2.161	2.952	13.6	18.2
3 12	13 32.89	− 9 35.2	2.078	2.958	10.7	18.0
3 22	13 27.53	− 9 3.9	2.018	2.965	7.2	17.8
4 1	13 20.76	− 8 23.8	1.983	2.971	3.5	17.6
4 11	13 13.32	− 7 39.3	1.976	2.978	0.5	17.3
4 21	13 6.03	− 6 55.1	1.998	2.985	4.4	17.7
5 1	12 59.68	− 6 16.2	2.047	2.992	8.1	17.9
5 11	12 54.89	− 5 46.7	2.120	2.999	11.3	18.1

213677 2002 TX_{66} 4 9.8 113.°50 13.°5/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	14 1.62	+20 28.5	1.198	2.004	21.4	19.9
3 12	13 54.12	+21 16.6	1.147	2.015	18.3	19.8
3 22	13 42.53	+21 46.9	1.113	2.025	15.4	19.6
4 1	13 27.98	+21 46.1	1.100	2.035	13.6	19.5
4 11	13 12.35	+21 4.9	1.111	2.044	13.9	19.6
4 21	12 57.68	+19 42.4	1.145	2.053	16.2	19.7
5 1	12 45.65	+17 44.5	1.201	2.062	19.2	19.9
5 11	12 37.22	+15 21.5	1.276	2.070	22.2	20.2

90067 2002 VS_{76} 4 9.8 171.°79 4.°4/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.71	+ 4 47.2	2.480	3.289	11.5	20.2
3 12	13 34.43	+ 5 35.6	2.401	3.291	9.0	20.0
3 22	13 28.41	+ 6 25.5	2.347	3.293	6.5	19.8
4 1	13 21.13	+ 7 12.0	2.320	3.294	4.6	19.7
4 11	13 13.28	+ 7 49.9	2.321	3.295	4.9	19.7
4 21	13 5.57	+ 8 15.1	2.351	3.296	7.0	19.9
5 1	12 58.71	+ 8 25.2	2.407	3.297	9.6	20.0
5 11	12 53.24	+ 8 19.3	2.487	3.297	12.1	20.2

427758 2004 TF_{40} 4 9.8 256.°62 0.°1/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.83	−10 49.0	2.135	2.919	14.0	22.1
3 12	13 35.12	−10 24.8	2.025	2.901	11.1	21.8
3 22	13 29.26	− 9 47.2	1.938	2.883	7.7	21.6
4 1	13 21.70	− 8 58.3	1.877	2.865	3.7	21.3
4 11	13 13.18	− 8 2.3	1.844	2.846	0.5	21.0
4 21	13 4.61	− 7 4.8	1.840	2.827	4.8	21.3
5 1	12 56.91	− 6 11.6	1.863	2.807	8.8	21.5
5 11	12 50.85	− 5 28.4	1.911	2.787	12.5	21.7

221372 2005 XN_6 4 9.8 239.°06 0.°8/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.60	− 7 29.2	2.365	3.147	12.8	21.0
3 12	13 37.04	− 7 7.0	2.253	3.129	10.1	20.8
3 22	13 30.43	− 6 35.1	2.164	3.111	6.9	20.6
4 1	13 22.22	− 5 55.9	2.103	3.091	3.2	20.3
4 11	13 13.11	− 5 13.3	2.070	3.071	1.1	20.1
4 21	13 3.95	− 4 32.1	2.068	3.050	4.8	20.3
5 1	12 55.58	− 3 56.9	2.094	3.029	8.6	20.5
5 11	12 48.73	− 3 31.6	2.145	3.006	11.9	20.7

140752 2001 UH_{115} 4 9.8 137.°61 0.°6/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.67	−13 27.6	2.546	3.316	12.3	20.5
3 12	13 32.09	−12 51.5	2.456	3.323	9.8	20.3
3 22	13 26.85	−12 2.3	2.390	3.329	6.8	20.1
4 1	13 20.39	−11 2.6	2.350	3.335	3.4	19.9
4 11	13 13.39	− 9 56.4	2.340	3.341	0.6	19.7
4 21	13 6.51	− 8 48.7	2.359	3.347	3.7	19.9
5 1	13 0.43	− 7 44.7	2.406	3.352	7.0	20.2
5 11	12 55.69	− 6 49.0	2.480	3.357	9.9	20.3

32984 1996 XX 4 9.8 237.°16 6.°7/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.66	+ 9 58.8	2.058	2.870	13.4	19.2
3 12	13 37.99	+10 51.5	1.975	2.861	10.8	19.0
3 22	13 31.09	+11 42.5	1.916	2.853	8.3	18.9
4 1	13 22.50	+12 24.8	1.883	2.843	6.8	18.8
4 11	13 13.09	+12 51.9	1.877	2.834	7.4	18.8
4 21	13 3.80	+12 59.3	1.897	2.824	9.6	18.9
5 1	12 55.58	+12 44.8	1.943	2.814	12.4	19.0
5 11	12 49.15	+12 9.2	2.010	2.804	15.1	19.2

162625 2000 SR_{127} 4 9.8 132.°08 1.°9/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.57	− 8 15.8	1.791	2.592	15.5	20.1
3 12	13 35.75	− 7 1.1	1.716	2.604	12.1	19.9
3 22	13 29.60	− 5 31.1	1.663	2.616	8.0	19.7
4 1	13 21.77	− 3 51.6	1.636	2.626	3.8	19.4
4 11	13 13.20	− 2 11.1	1.638	2.637	2.4	19.3
4 21	13 4.89	− 0 38.4	1.668	2.646	6.3	19.6
5 1	12 57.79	+ 0 38.9	1.726	2.655	10.4	19.9
5 11	12 52.61	+ 1 36.1	1.806	2.664	14.0	20.1

300100 2006 UY_{264} 4 9.8 99.°83 0.°0/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.23	− 9 53.0	2.400	3.184	12.6	21.5
3 12	13 33.37	− 9 33.2	2.317	3.193	9.9	21.3
3 22	13 27.74	− 9 3.0	2.256	3.202	6.7	21.1
4 1	13 20.83	− 8 25.0	2.222	3.210	3.2	20.9
4 11	13 13.33	− 7 43.0	2.217	3.219	0.5	20.7
4 21	13 5.98	− 7 1.2	2.241	3.228	4.1	21.0
5 1	12 59.49	− 6 24.2	2.293	3.236	7.5	21.2
5 11	12 54.43	− 5 55.5	2.370	3.244	10.5	21.4

344655 2003 SE_{25} 4 9.8 171.°97 2.°2/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.82	−18 12.1	2.691	3.431	12.5	21.9
3 12	13 34.52	−18 0.0	2.593	3.434	10.2	21.7
3 22	13 28.49	−17 33.8	2.517	3.437	7.4	21.5
4 1	13 21.20	−16 54.3	2.467	3.440	4.5	21.3
4 11	13 13.28	−16 4.2	2.447	3.442	2.3	21.2
4 21	13 5.46	−15 7.3	2.456	3.443	3.7	21.3
5 1	12 58.42	−14 8.6	2.494	3.444	6.6	21.5
5 11	12 52.76	−13 13.1	2.559	3.444	9.4	21.6

413929 2006 XE_{10} 4 9.8 46.°27 6.°3/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.87	−24 50.4	1.513	2.265	20.1	20.4
3 12	13 35.96	−25 16.9	1.442	2.280	17.0	20.2
3 22	13 30.15	−25 17.1	1.389	2.296	13.3	20.0
4 1	13 22.16	−24 49.0	1.357	2.312	9.5	19.8
4 11	13 13.15	−23 54.8	1.348	2.329	6.7	19.7
4 21	13 4.44	−22 40.6	1.365	2.346	6.9	19.7
5 1	12 57.28	−21 16.2	1.406	2.364	9.9	19.9
5 11	12 52.52	−19 52.3	1.470	2.382	13.4	20.2

384558 2010 FF_{28} 4 9.8 246.°81 3.°4/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.15	+ 0 38.0	2.157	2.967	13.0	21.0
3 12	13 35.13	+ 1 13.3	2.070	2.963	10.1	20.8
3 22	13 29.09	+ 1 53.1	2.007	2.959	6.9	20.6
4 1	13 21.54	+ 2 32.8	1.970	2.954	4.1	20.4
4 11	13 13.25	+ 3 7.2	1.961	2.950	3.9	20.4
4 21	13 5.06	+ 3 31.4	1.980	2.945	6.7	20.5
5 1	12 57.82	+ 3 42.1	2.026	2.941	9.9	20.7
5 11	12 52.17	+ 3 37.5	2.095	2.936	13.0	20.9

351613 2005 WR_{11} 4 9.8 26.°17 2.°8/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.44	− 4 5.7	1.286	2.116	18.9	21.3
3 12	13 38.24	− 3 37.6	1.214	2.118	14.8	21.1
3 22	13 31.87	− 2 57.5	1.162	2.120	10.0	20.8
4 1	13 23.05	− 2 11.3	1.132	2.123	4.9	20.5
4 11	13 13.04	− 1 26.8	1.127	2.125	3.3	20.4
4 21	13 3.27	− 0 52.1	1.147	2.128	7.9	20.7
5 1	12 55.14	− 0 33.6	1.190	2.131	13.0	21.0
5 11	12 49.62	− 0 34.6	1.254	2.135	17.3	21.3

299719 2006 RU_{15} 4 9.8 170.°72 3.°5/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.74	−22 12.5	2.709	3.430	12.8	21.4
3 12	13 33.76	−22 15.1	2.609	3.433	10.7	21.2
3 22	13 28.03	−22 2.4	2.531	3.435	8.2	21.1
4 1	13 21.00	−21 34.2	2.478	3.437	5.6	20.9
4 11	13 13.33	−20 52.3	2.453	3.438	3.7	20.8
4 21	13 5.74	−20 0.1	2.457	3.439	4.2	20.8
5 1	12 58.92	−19 2.2	2.490	3.440	6.6	21.0
5 11	12 53.48	−18 4.1	2.549	3.440	9.2	21.1

375884 2009 VD_{63} 4 9.8 97.°12 2.°5/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.39	− 2 51.0	1.943	2.751	14.3	20.8
3 12	13 36.18	− 2 17.5	1.870	2.762	11.1	20.7
3 22	13 29.81	− 1 36.7	1.820	2.773	7.4	20.5
4 1	13 21.86	− 0 53.3	1.795	2.784	3.8	20.2
4 11	13 13.22	− 0 12.7	1.799	2.795	2.9	20.2
4 21	13 4.82	+ 0 19.8	1.831	2.805	6.2	20.4
5 1	12 57.55	+ 0 39.9	1.889	2.816	9.8	20.7
5 11	12 52.07	+ 0 45.5	1.970	2.826	13.1	20.9

174719 2003 UP_{149} 4 9.8 119.°97 2.°4/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 43.20	− 3 51.5	1.820	2.624	15.2	21.2
3 12	13 38.48	− 3 13.4	1.749	2.639	11.8	21.0
3 22	13 31.41	− 2 26.4	1.701	2.654	7.9	20.8
4 1	13 22.63	− 1 35.6	1.679	2.668	3.9	20.6
4 11	13 13.12	− 0 47.1	1.685	2.682	2.8	20.6
4 21	13 3.91	− 0 6.9	1.719	2.695	6.4	20.8
5 1	12 55.98	+ 0 20.2	1.780	2.708	10.3	21.1
5 11	12 50.02	+ 0 31.7	1.863	2.720	13.7	21.3

510183 2011 BG_{103} 4 9.8 47.°72 0.°3/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.62	− 8 4.0	2.825	3.611	10.8	21.4
3 12	13 31.05	− 7 48.0	2.744	3.623	8.4	21.3
3 22	13 26.04	− 7 24.4	2.687	3.635	5.7	21.1
4 1	13 19.99	− 6 55.7	2.658	3.646	2.7	20.9
4 11	13 13.48	− 6 24.8	2.657	3.658	0.6	20.8
4 21	13 7.11	− 5 55.1	2.686	3.671	3.6	21.0
5 1	13 1.43	− 5 29.9	2.743	3.683	6.5	21.2
5 11	12 56.93	− 5 11.8	2.825	3.695	9.1	21.4

32802 1990 SK 4 9.8 172.°54 7.°8/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 52.09	+14 28.1	2.098	2.887	14.0	18.7
3 12	13 45.14	+15 15.8	2.025	2.892	11.5	18.5
3 22	13 35.79	+15 57.2	1.977	2.896	9.2	18.4
4 1	13 24.69	+16 25.1	1.955	2.899	7.9	18.3
4 11	13 12.85	+16 33.2	1.961	2.901	8.4	18.4
4 21	13 1.33	+16 18.5	1.995	2.902	10.3	18.5
5 1	12 51.14	+15 40.6	2.056	2.902	12.8	18.6
5 11	12 43.00	+14 42.0	2.138	2.901	15.3	18.8

349478 2008 DK_{25} 4 9.8 124.°36 0.°5/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.56	− 7 18.1	2.445	3.232	12.3	21.0
3 12	13 34.42	− 7 9.5	2.355	3.234	9.6	20.8
3 22	13 28.49	− 6 53.0	2.288	3.236	6.5	20.6
4 1	13 21.23	− 6 30.8	2.249	3.238	3.1	20.4
4 11	13 13.32	− 6 6.2	2.238	3.239	0.8	20.2
4 21	13 5.52	− 5 43.0	2.256	3.241	4.3	20.5
5 1	12 58.54	− 5 24.7	2.303	3.243	7.6	20.7
5 11	12 52.99	− 5 14.2	2.375	3.244	10.6	20.9

138734 2000 SG_{195} 4 9.8 116.°96 1.°9/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.10	− 5 6.8	2.472	3.273	11.8	20.3
3 12	13 31.65	− 4 9.8	2.392	3.280	9.1	20.1
3 22	13 26.55	− 3 4.1	2.335	3.288	6.0	19.9
4 1	13 20.27	− 1 54.2	2.306	3.295	3.0	19.7
4 11	13 13.46	− 0 45.3	2.306	3.302	2.3	19.7
4 21	13 6.79	+ 0 17.3	2.336	3.309	5.1	19.9
5 1	13 0.93	+ 1 9.0	2.393	3.316	8.2	20.1
5 11	12 56.40	+ 1 46.8	2.475	3.323	11.0	20.3

155755 2000 SK_{124} 4 9.8 197.°97 0.°3/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.20	−11 38.3	2.300	3.080	13.2	20.5
3 12	13 33.53	−10 40.3	2.202	3.077	10.4	20.3
3 22	13 27.98	− 9 27.3	2.128	3.074	7.1	20.1
4 1	13 21.01	− 8 2.8	2.082	3.070	3.3	19.9
4 11	13 13.35	− 6 32.4	2.064	3.066	0.7	19.6
4 21	13 5.79	− 5 2.7	2.077	3.061	4.6	19.9
5 1	12 59.09	− 3 40.6	2.118	3.056	8.3	20.1
5 11	12 53.89	− 2 31.3	2.184	3.050	11.6	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
45302	2000 AX_{46}		4	9.8	184.°63	0.°1/ 9.9 18
	h m	° ′			°	m
3 2	13 41.99	−10 26.3	2.162	2.940	14.0	20.0
3 12	13 37.40	−10 7.2	2.069	2.941	11.1	19.8
3 22	13 30.68	− 9 35.9	1.997	2.941	7.6	19.6
4 1	13 22.33	− 8 54.7	1.952	2.940	3.7	19.3
4 11	13 13.18	− 8 7.9	1.936	2.938	0.5	19.1
4 21	13 4.12	− 7 20.2	1.949	2.936	4.6	19.4
5 1	12 56.04	− 6 37.3	1.990	2.933	8.5	19.6
5 11	12 49.66	− 6 3.5	2.057	2.929	11.9	19.8
28053	1998 KE_4		4	9.8	44.°03	0.°2/ 9.6 18
3 2	13 37.08	−10 25.2	1.813	2.612	15.5	18.4
3 12	13 33.92	− 9 53.4	1.731	2.616	12.2	18.2
3 22	13 28.47	− 9 6.9	1.670	2.619	8.3	18.0
4 1	13 21.31	− 8 9.0	1.634	2.623	3.9	17.7
4 11	13 13.32	− 7 5.4	1.625	2.626	0.7	17.5
4 21	13 5.50	− 6 2.8	1.643	2.630	5.2	17.8
5 1	12 58.79	− 5 8.0	1.688	2.634	9.4	18.1
5 11	12 53.94	− 4 26.3	1.756	2.638	13.1	18.3
253165	2002 WV_{14}		4	9.8	86.°39	3.°2/ 6.9 18
3 2	13 41.98	− 2 33.3	1.771	2.582	15.3	21.1
3 12	13 37.44	− 1 37.8	1.714	2.608	11.8	21.0
3 22	13 30.62	− 0 34.4	1.680	2.633	7.9	20.8
4 1	13 22.22	+ 0 30.6	1.671	2.658	4.2	20.6
4 11	13 13.22	+ 1 30.1	1.690	2.683	3.7	20.6
4 21	13 4.63	+ 2 17.9	1.737	2.707	6.9	20.9
5 1	12 57.37	+ 2 49.5	1.811	2.731	10.6	21.1
5 11	12 52.06	+ 3 3.1	1.906	2.755	13.7	21.4
34175	Joshuadong		4	9.8	283.°39	2.°6/11.9 18
3 2	13 38.97	−16 10.4	1.821	2.596	16.3	19.2
3 12	13 35.73	−16 17.1	1.718	2.582	13.4	18.9
3 22	13 29.96	−16 6.7	1.634	2.567	9.8	18.7
4 1	13 22.15	−15 39.3	1.574	2.553	5.8	18.4
4 11	13 13.19	−14 57.4	1.541	2.538	2.7	18.1
4 21	13 4.15	−14 5.8	1.534	2.524	5.0	18.3
5 1	12 56.16	−13 11.5	1.554	2.509	9.3	18.5
5 11	12 50.14	−12 21.7	1.597	2.495	13.3	18.7
466286	2013 PB_{29}		4	9.8	265.°42	0.°2/ 9.9 17
3 2	13 39.77	−10 56.5	1.851	2.642	15.5	22.1
3 12	13 36.27	−10 36.5	1.744	2.623	12.4	21.8
3 22	13 30.29	−10 1.4	1.658	2.604	8.6	21.6
4 1	13 22.31	− 9 13.2	1.597	2.585	4.2	21.3
4 11	13 13.18	− 8 16.5	1.563	2.565	0.5	20.9
4 21	13 3.95	− 7 17.6	1.557	2.545	5.3	21.2
5 1	12 55.71	− 6 23.4	1.577	2.524	9.9	21.4
5 11	12 49.39	− 5 40.4	1.621	2.504	14.0	21.6
53162	1999 CG_7		4	9.8	92.°12	12.°0/27.1 18
3 2	13 39.61	+21 26.8	1.758	2.575	15.2	18.2
3 12	13 35.90	+23 40.2	1.721	2.586	13.3	18.1
3 22	13 29.75	+25 40.8	1.706	2.597	12.1	18.1
4 1	13 21.86	+27 17.3	1.715	2.609	12.1	18.1
4 11	13 13.27	+28 21.1	1.746	2.619	13.2	18.2
4 21	13 5.06	+28 48.4	1.800	2.630	14.9	18.3
5 1	12 58.19	+28 39.9	1.872	2.641	16.8	18.5
5 11	12 53.37	+27 59.8	1.961	2.651	18.6	18.6
65383	2002 PN_{129}		4	9.8	190.°34	0.°3/10.1 18
3 2	13 37.86	−11 7.2	2.315	3.095	13.1	20.7
3 12	13 34.05	−10 45.0	2.222	3.095	10.4	20.5
3 22	13 28.33	−10 10.9	2.150	3.094	7.1	20.3
4 1	13 21.20	− 9 27.0	2.106	3.093	3.5	20.1
4 11	13 13.36	− 8 37.5	2.089	3.091	0.4	19.8
4 21	13 5.61	− 7 46.9	2.102	3.090	4.2	20.1
5 1	12 58.72	− 7 0.5	2.143	3.088	7.8	20.4
5 11	12 53.34	− 6 22.7	2.209	3.085	11.0	20.6
274939	2009 SK_{222}		4	9.8	61.°70	3.°6/12.6 17
3 2	13 42.18	−17 19.9	1.745	2.513	17.2	21.3
3 12	13 38.19	−17 50.0	1.661	2.518	14.1	21.1
3 22	13 31.55	−18 3.4	1.597	2.524	10.5	20.9
4 1	13 22.86	−17 59.4	1.556	2.530	6.5	20.7
4 11	13 13.13	−17 39.4	1.542	2.536	3.7	20.5
4 21	13 3.52	−17 7.8	1.554	2.542	5.4	20.6
5 1	12 55.19	−16 30.6	1.593	2.548	9.1	20.9
5 11	12 49.00	−15 54.9	1.655	2.554	12.9	21.1
197648	2004 LT_{29}		4	9.8	139.°10	4.°4/ 6.1 18
3 2	13 41.17	− 1 17.9	1.549	2.372	16.6	20.7
3 12	13 37.41	− 0 8.5	1.478	2.379	12.9	20.5
3 22	13 30.97	+ 1 10.7	1.429	2.385	8.8	20.3
4 1	13 22.54	+ 2 32.1	1.405	2.390	5.1	20.1
4 11	13 13.19	+ 3 46.3	1.407	2.396	5.1	20.1
4 21	13 4.11	+ 4 44.9	1.435	2.401	8.6	20.3
5 1	12 56.42	+ 5 22.2	1.488	2.405	12.7	20.5
5 11	12 50.94	+ 5 36.0	1.563	2.410	16.3	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
194906	2002 AM_{106}		4	9.8	134.°05	2.°4/ 7.8 18
	h m	° ′			°	m
3 2	13 42.30	− 4 55.1	1.682	2.491	16.1	21.0
3 12	13 38.07	− 4 8.8	1.608	2.500	12.5	20.8
3 22	13 31.30	− 3 11.3	1.556	2.510	8.4	20.5
4 1	13 22.67	− 2 7.9	1.529	2.519	4.1	20.3
4 11	13 13.18	− 1 6.0	1.530	2.527	2.9	20.2
4 21	13 3.96	− 0 12.6	1.558	2.535	6.8	20.5
5 1	12 56.07	+ 0 26.2	1.612	2.543	11.0	20.7
5 11	12 50.27	+ 0 47.2	1.689	2.549	14.6	21.0
496403	2013 TW_{125}		4	9.8	209.°77	0.°3/10.2 17
3 2	13 37.71	−13 14.6	2.228	3.003	13.7	22.1
3 12	13 34.06	−12 27.2	2.128	2.998	10.9	21.9
3 22	13 28.41	−11 23.9	2.050	2.992	7.5	21.7
4 1	13 21.27	−10 7.2	1.999	2.986	3.7	21.4
4 11	13 13.37	− 8 42.4	1.977	2.979	0.5	21.1
4 21	13 5.53	− 7 16.0	1.984	2.971	4.4	21.4
5 1	12 58.59	− 5 54.9	2.020	2.964	8.3	21.7
5 11	12 53.21	− 4 45.2	2.081	2.955	11.7	21.9
510377	2011 UK_{39}		4	9.8	305.°93	8.°2/ 1.7 17
3 2	13 39.94	+13 56.6	2.032	2.849	13.4	20.6
3 12	13 36.06	+14 56.4	1.945	2.828	11.1	20.4
3 22	13 29.92	+15 52.2	1.880	2.807	9.1	20.2
4 1	13 22.04	+16 36.1	1.840	2.786	8.2	20.1
4 11	13 13.26	+17 1.2	1.826	2.765	8.9	20.1
4 21	13 4.51	+17 2.5	1.837	2.745	11.0	20.2
5 1	12 56.77	+16 38.3	1.872	2.724	13.7	20.3
5 11	12 50.80	+15 49.6	1.927	2.704	16.2	20.5
118668	2000 KS_{43}		4	9.8	235.°63	1.°1/10.9 18
3 2	13 38.04	−14 32.6	2.078	2.852	14.6	19.5
3 12	13 34.54	−14 4.3	1.975	2.842	11.7	19.3
3 22	13 28.88	−13 19.2	1.894	2.833	8.3	19.0
4 1	13 21.55	−12 19.1	1.838	2.822	4.4	18.8
4 11	13 13.33	−11 8.4	1.811	2.812	1.1	18.5
4 21	13 5.13	− 9 53.2	1.812	2.801	4.5	18.7
5 1	12 57.87	− 8 40.4	1.840	2.790	8.5	18.9
5 11	12 52.31	− 7 36.7	1.894	2.778	12.2	19.1
520076	2013 WM_{113}		4	9.8	176.°42	5.°6/ 3.4 17
3 2	13 39.51	+ 7 58.0	2.369	3.180	11.9	21.8
3 12	13 35.17	+ 9 2.1	2.294	3.181	9.5	21.6
3 22	13 28.99	+10 6.1	2.243	3.183	7.1	21.5
4 1	13 21.48	+11 3.9	2.220	3.184	5.7	21.4
4 11	13 13.36	+11 49.7	2.225	3.184	6.2	21.4
4 21	13 5.39	+12 18.9	2.257	3.184	8.3	21.6
5 1	12 58.34	+12 29.3	2.315	3.184	10.8	21.7
5 11	12 52.76	+12 20.5	2.395	3.183	13.1	21.9
422553	2014 TY_{35}		4	9.8	141.°36	5.°5/15.5 16
3 2	13 42.84	−26 22.7	2.119	2.826	16.3	21.7
3 12	13 38.30	−26 36.3	2.031	2.838	13.9	21.5
3 22	13 31.39	−26 28.5	1.962	2.849	11.0	21.3
4 1	13 22.72	−25 57.9	1.915	2.860	8.0	21.2
4 11	13 13.19	−25 5.6	1.896	2.870	5.8	21.0
4 21	13 3.85	−23 56.1	1.904	2.879	5.9	21.1
5 1	12 55.67	−22 36.4	1.939	2.887	8.3	21.2
5 11	12 49.41	−21 14.7	2.001	2.895	11.2	21.4
117890	2748 P–L		4	9.8	143.°70	1.°7/ 7.9 18
3 2	13 39.45	− 6 20.8	2.155	2.950	13.5	20.4
3 12	13 35.28	− 5 27.4	2.075	2.960	10.4	20.2
3 22	13 29.14	− 4 23.3	2.019	2.970	7.0	20.0
4 1	13 21.57	− 3 13.2	1.990	2.979	3.3	19.8
4 11	13 13.36	− 2 3.0	1.990	2.988	2.1	19.7
4 21	13 5.34	− 0 59.0	2.019	2.996	5.5	20.0
5 1	12 58.31	− 0 6.2	2.075	3.003	9.0	20.2
5 11	12 52.91	+ 0 31.5	2.156	3.010	12.2	20.4
309941	2009 FG_{73}		4	9.8	96.°40	0.°6/ 9.4 18
3 2	13 45.47	− 7 40.9	1.602	2.402	17.2	21.4
3 12	13 40.62	− 7 32.9	1.534	2.419	13.5	21.2
3 22	13 33.06	− 7 13.2	1.486	2.436	9.1	21.0
4 1	13 23.52	− 6 44.9	1.464	2.453	4.3	20.8
4 11	13 13.11	− 6 13.2	1.468	2.469	1.0	20.6
4 21	13 3.05	− 5 43.8	1.499	2.485	5.8	20.9
5 1	12 54.49	− 5 22.0	1.557	2.501	10.2	21.2
5 11	12 48.22	− 5 12.0	1.638	2.517	14.1	21.5
311175	2004 TT_{340}		4	9.8	202.°45	4.°5/ 5.3 17
3 2	13 41.95	+ 1 5.1	2.014	2.823	13.8	21.4
3 12	13 37.52	+ 2 18.2	1.927	2.818	10.8	21.2
3 22	13 30.84	+ 3 38.5	1.862	2.813	7.5	20.9
4 1	13 22.47	+ 4 59.3	1.826	2.806	4.9	20.8
4 11	13 13.24	+ 6 12.8	1.817	2.798	5.2	20.8
4 21	13 4.10	+ 7 12.2	1.837	2.790	8.1	20.9
5 1	12 56.00	+ 7 52.5	1.883	2.781	11.5	21.1
5 11	12 49.67	+ 8 11.5	1.952	2.770	14.6	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
165516	2001 CA_{14}		4 9.8	94.°36	0.°1/ 9.7	18
	h m	° ′			°	m
3 2	13 43.62	− 9 0.4	1.614	2.413	17.1	20.1
3 12	13 39.23	− 8 51.6	1.542	2.426	13.5	19.8
3 22	13 32.16	− 8 29.8	1.491	2.440	9.2	19.6
4 1	13 23.11	− 7 57.8	1.464	2.453	4.4	19.4
4 11	13 13.16	− 7 20.8	1.464	2.466	0.7	19.1
4 21	13 3.51	− 6 44.6	1.492	2.479	5.6	19.5
5 1	12 55.28	− 6 15.3	1.545	2.492	10.1	19.8
5 11	12 49.29	− 5 57.5	1.622	2.504	14.0	20.0
299729	2006 RA_{49}		4 9.8	9.°68	0.°6/10.3	17
3 2	13 38.13	−10 25.5	1.990	2.781	14.6	20.3
3 12	13 34.59	−10 26.8	1.903	2.782	11.6	20.1
3 22	13 28.88	−10 16.7	1.838	2.784	8.0	19.9
4 1	13 21.53	− 9 57.0	1.798	2.785	4.0	19.7
4 11	13 13.37	− 9 31.0	1.786	2.788	0.6	19.4
4 21	13 5.31	− 9 3.3	1.801	2.790	4.5	19.7
5 1	12 58.27	− 8 38.5	1.843	2.793	8.5	19.9
5 11	12 52.97	− 8 21.0	1.910	2.796	12.0	20.2
64668	2001 XR_{63}		4 9.8	209.°66	2.°7/ 7.5	18
3 2	13 41.73	− 4 9.8	1.773	2.581	15.4	19.4
3 12	13 37.69	− 3 21.0	1.684	2.576	12.1	19.1
3 22	13 31.15	− 2 20.8	1.617	2.571	8.1	18.9
4 1	13 22.68	− 1 14.7	1.576	2.565	4.1	18.6
4 11	13 13.21	− 0 9.7	1.562	2.558	3.2	18.5
4 21	13 3.83	+ 0 46.9	1.576	2.551	7.0	18.7
5 1	12 55.61	+ 1 28.7	1.616	2.543	11.2	19.0
5 11	12 49.40	+ 1 52.1	1.679	2.534	14.9	19.2
81884	2000 LL_{17}		4 9.8	199.°92	8.°5/21.3	18
3 2	13 39.58	−39 13.9	2.676	3.280	15.2	19.0
3 12	13 35.71	−39 48.5	2.571	3.278	13.8	18.8
3 22	13 29.66	−40 1.3	2.483	3.276	12.2	18.7
4 1	13 21.92	−39 48.8	2.415	3.273	10.4	18.6
4 11	13 13.31	−39 10.0	2.370	3.271	9.0	18.5
4 21	13 4.75	−38 6.3	2.350	3.268	8.5	18.4
5 1	12 57.16	−36 42.3	2.356	3.265	9.0	18.4
5 11	12 51.29	−35 5.3	2.387	3.261	10.4	18.5
159447	2000 AT_{107}		4 9.8	196.°25	3.°3/ 5.4	18
3 2	13 38.51	+ 1 57.1	2.917	3.715	10.2	21.0
3 12	13 34.08	+ 2 52.9	2.825	3.711	8.0	20.9
3 22	13 28.13	+ 3 52.3	2.759	3.706	5.5	20.7
4 1	13 21.06	+ 4 51.2	2.722	3.701	3.6	20.6
4 11	13 13.45	+ 5 44.6	2.715	3.695	3.8	20.6
4 21	13 5.91	+ 6 28.7	2.738	3.689	5.9	20.7
5 1	12 59.05	+ 7 0.3	2.789	3.681	8.4	20.8
5 11	12 53.38	+ 7 17.6	2.864	3.673	10.7	21.0
417685	2007 BK_5		4 9.8	94.°41	0.°4/10.2	18
3 2	13 41.08	−12 15.9	1.891	2.673	15.5	21.6
3 12	13 36.76	−11 44.6	1.822	2.696	12.2	21.4
3 22	13 30.22	−10 58.3	1.775	2.718	8.4	21.2
4 1	13 22.09	−10 0.1	1.753	2.740	4.1	21.0
4 11	13 13.32	− 8 55.7	1.760	2.762	0.5	20.7
4 21	13 4.87	− 7 51.3	1.795	2.783	4.7	21.1
5 1	12 57.65	− 6 53.6	1.857	2.803	8.7	21.4
5 11	12 52.31	− 6 7.4	1.944	2.823	12.2	21.6
383879	2008 RE_{108}		4 9.8	269.°23	3.°1/12.7	17
3 2	13 38.33	−18 22.9	1.984	2.745	15.6	21.5
3 12	13 34.91	−18 26.5	1.889	2.742	12.8	21.3
3 22	13 29.21	−18 12.4	1.814	2.739	9.5	21.1
4 1	13 21.74	−17 40.8	1.763	2.736	5.9	20.9
4 11	13 13.35	−16 54.3	1.739	2.733	3.2	20.7
4 21	13 5.01	−15 57.7	1.742	2.731	4.7	20.8
5 1	12 57.71	−14 57.6	1.772	2.728	8.3	21.0
5 11	12 52.23	−14 0.9	1.827	2.725	11.9	21.2
503410	2016 CH_{261}		4 9.8	296.°33	0.°8/10.4	17
3 2	13 43.51	− 9 20.0	1.727	2.520	16.4	20.6
3 12	13 39.47	− 9 44.2	1.624	2.504	13.2	20.3
3 22	13 32.65	− 9 58.4	1.541	2.487	9.2	20.0
4 1	13 23.55	−10 3.5	1.483	2.470	4.7	19.7
4 11	13 13.11	−10 1.7	1.452	2.454	0.9	19.4
4 21	13 2.52	− 9 56.7	1.448	2.437	5.4	19.7
5 1	12 53.03	− 9 52.9	1.471	2.421	10.2	19.9
5 11	12 45.67	− 9 55.1	1.516	2.405	14.4	20.1
369391	2009 VB_{64}		4 9.8	209.°73	0.°5/10.4	17
3 2	13 39.94	−12 7.9	2.467	3.235	12.7	22.3
3 12	13 35.63	−11 44.7	2.363	3.228	10.1	22.1
3 22	13 29.42	−11 9.2	2.281	3.220	7.0	21.9
4 1	13 21.77	−10 23.3	2.226	3.212	3.5	21.6
4 11	13 13.37	− 9 30.5	2.201	3.203	0.6	21.3
4 21	13 5.01	− 8 35.5	2.205	3.193	4.0	21.6
5 1	12 57.44	− 7 43.4	2.238	3.182	7.6	21.8
5 11	12 51.33	− 6 58.9	2.297	3.171	10.8	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
73382	2002 LE_8		4 9.8	243.°23	2.°5/ 7.2	18
	h m	° ′			°	m
3 2	13 37.69	− 3 21.8	2.122	2.929	13.3	19.9
3 12	13 34.11	− 2 35.5	2.029	2.921	10.3	19.7
3 22	13 28.51	− 1 40.4	1.960	2.914	7.0	19.5
4 1	13 21.36	− 0 41.1	1.918	2.906	3.6	19.3
4 11	13 13.44	+ 0 16.5	1.903	2.898	3.0	19.2
4 21	13 5.58	+ 1 6.6	1.917	2.889	6.2	19.4
5 1	12 58.63	+ 1 44.3	1.957	2.881	9.7	19.6
5 11	12 53.27	+ 2 6.3	2.021	2.872	13.0	19.8
86214	1999 TC_{29}		4 9.8	156.°63	1.°3/11.3	18
3 2	13 38.53	−13 27.8	2.693	3.454	12.0	19.5
3 12	13 34.31	−13 30.8	2.598	3.457	9.6	19.3
3 22	13 28.40	−13 23.5	2.526	3.460	6.8	19.1
4 1	13 21.24	−13 6.7	2.481	3.462	3.7	18.9
4 11	13 13.46	−12 43.0	2.465	3.464	1.3	18.7
4 21	13 5.76	−12 15.3	2.478	3.467	3.5	18.9
5 1	12 58.81	−11 47.3	2.520	3.469	6.6	19.1
5 11	12 53.18	−11 22.9	2.588	3.470	9.4	19.3
417491	2006 SH_1		4 9.8	199.°58	0.°5/ 9.4	16
3 2	13 39.45	−10 26.0	1.976	2.765	14.7	22.2
3 12	13 35.67	− 9 43.0	1.883	2.762	11.6	22.0
3 22	13 29.65	− 8 45.1	1.812	2.759	7.9	21.8
4 1	13 21.94	− 7 35.5	1.766	2.755	3.7	21.5
4 11	13 13.37	− 6 20.1	1.749	2.751	0.9	21.3
4 21	13 4.89	− 5 5.8	1.761	2.746	5.2	21.6
5 1	12 57.44	− 3 59.6	1.800	2.741	9.3	21.8
5 11	12 51.76	− 3 6.9	1.863	2.735	13.0	22.0
173064	2006 SD_{122}		4 9.8	204.°95	6.°3/17.7	18
3 2	13 39.11	−31 26.5	2.756	3.416	13.8	20.7
3 12	13 35.08	−31 53.9	2.648	3.412	12.1	20.5
3 22	13 29.11	−32 3.2	2.560	3.409	10.2	20.4
4 1	13 21.65	−31 52.2	2.495	3.404	8.1	20.2
4 11	13 13.40	−31 20.6	2.455	3.400	6.6	20.1
4 21	13 5.16	−30 30.7	2.443	3.395	6.4	20.1
5 1	12 57.74	−29 26.7	2.458	3.390	7.6	20.1
5 11	12 51.80	−28 14.8	2.499	3.385	9.5	20.3
508283	2015 HU_{185}		4 9.8	218.°42	3.°8/ 5.2	17
3 2	13 36.34	+ 1 48.1	2.477	3.288	11.5	22.0
3 12	13 32.70	+ 2 47.8	2.390	3.283	8.9	21.8
3 22	13 27.36	+ 3 52.0	2.328	3.278	6.2	21.6
4 1	13 20.75	+ 4 55.6	2.293	3.273	4.1	21.4
4 11	13 13.53	+ 5 53.0	2.287	3.267	4.3	21.5
4 21	13 6.40	+ 6 39.3	2.309	3.262	6.7	21.6
5 1	13 0.04	+ 7 10.8	2.358	3.256	9.5	21.8
5 11	12 55.02	+ 7 25.7	2.430	3.250	12.1	21.9
482465	2012 KH_{47}		4 9.8	219.°90	1.°3/12.4	18
3 2	13 29.82	−16 48.4	4.876	5.612	7.3	21.5
3 12	13 26.85	−16 37.2	4.767	5.608	5.9	21.4
3 22	13 23.01	−16 18.6	4.683	5.604	4.3	21.3
4 1	13 18.57	−15 53.5	4.627	5.600	2.6	21.1
4 11	13 13.83	−15 23.4	4.601	5.596	1.3	21.0
4 21	13 9.12	−14 50.0	4.605	5.592	2.1	21.1
5 1	13 4.77	−14 15.6	4.638	5.588	3.8	21.2
5 11	13 1.06	−13 42.3	4.700	5.584	5.5	21.3
458988	2011 WP_{93}		4 9.8	87.°21	1.°8/ 8.4	18
3 2	13 42.10	− 6 27.3	1.532	2.344	17.3	21.9
3 12	13 38.10	− 5 51.1	1.466	2.360	13.4	21.7
3 22	13 31.41	− 5 2.2	1.421	2.375	9.0	21.4
4 1	13 22.77	− 4 5.7	1.400	2.391	4.2	21.2
4 11	13 13.28	− 3 9.0	1.406	2.406	2.2	21.1
4 21	13 4.15	− 2 19.2	1.439	2.421	6.5	21.4
5 1	12 56.49	− 1 42.6	1.497	2.436	11.0	21.7
5 11	12 51.07	− 1 23.0	1.577	2.450	14.8	22.0
316670	1995 QE_{14}		4 9.8	177.°25	1.°7/11.5	17
3 2	13 38.35	−15 33.5	2.037	2.807	15.0	21.4
3 12	13 34.78	−15 16.5	1.944	2.808	12.1	21.2
3 22	13 29.03	−14 42.9	1.873	2.808	8.6	21.0
4 1	13 21.64	−13 54.3	1.827	2.809	4.8	20.8
4 11	13 13.42	−12 54.5	1.809	2.809	1.7	20.5
4 21	13 5.31	−11 49.1	1.819	2.809	4.4	20.7
5 1	12 58.21	−10 45.0	1.856	2.809	8.3	21.0
5 11	12 52.85	− 9 48.3	1.918	2.808	11.8	21.2
475640	2006 UV_{254}		4 9.8	236.°15	2.°1/ 7.6	17
3 2	13 39.03	− 2 11.7	2.490	3.288	11.8	21.9
3 12	13 34.81	− 1 49.9	2.395	3.281	9.2	21.7
3 22	13 28.81	− 1 22.9	2.324	3.275	6.2	21.5
4 1	13 21.47	− 0 53.8	2.280	3.268	3.2	21.3
4 11	13 13.45	− 0 26.8	2.266	3.261	2.4	21.2
4 21	13 5.50	− 0 5.6	2.280	3.254	5.2	21.4
5 1	12 58.33	+ 0 6.6	2.323	3.247	8.4	21.6
5 11	12 52.55	+ 0 7.5	2.390	3.240	11.3	21.7

501918 2014 WY_{479} 4 9.8 223.°73 1.°3/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.89	−14 43.4	2.028	2.804	14.9	21.4
3 12	13 34.46	−14 22.0	1.933	2.800	12.0	21.2
3 22	13 28.85	−13 44.2	1.858	2.796	8.5	21.0
4 1	13 21.57	−12 51.6	1.809	2.792	4.6	20.7
4 11	13 13.44	−11 48.5	1.787	2.787	1.3	20.5
4 21	13 5.37	−10 40.7	1.793	2.783	4.5	20.7
5 1	12 58.30	− 9 34.9	1.827	2.778	8.4	20.9
5 11	12 52.95	− 8 37.5	1.885	2.773	12.1	21.1

348924 2006 TL_{28} 4 9.8 85.°49 1.°4/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.36	− 5 6.5	2.391	3.186	12.3	21.0
3 12	13 34.21	− 4 42.4	2.317	3.201	9.5	20.9
3 22	13 28.32	− 4 11.2	2.266	3.216	6.4	20.7
4 1	13 21.18	− 3 36.2	2.242	3.231	3.0	20.5
4 11	13 13.50	− 3 1.4	2.246	3.246	1.7	20.4
4 21	13 6.02	− 2 31.0	2.280	3.260	4.7	20.7
5 1	12 59.44	− 2 8.4	2.342	3.274	7.9	20.9
5 11	12 54.29	− 1 56.3	2.429	3.289	10.7	21.1

461374 2000 WS_{21} 4 9.8 112.°82 3.°4/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 45.38	− 1 3.0	2.072	2.869	13.9	22.6
3 12	13 39.74	− 0 4.4	2.013	2.898	10.7	22.4
3 22	13 32.03	+ 1 0.1	1.977	2.927	7.2	22.2
4 1	13 22.91	+ 2 4.6	1.970	2.954	4.1	22.1
4 11	13 13.28	+ 3 2.8	1.991	2.980	3.8	22.1
4 21	13 4.05	+ 3 49.2	2.042	3.005	6.7	22.3
5 1	12 56.03	+ 4 20.3	2.121	3.029	9.9	22.6
5 11	12 49.82	+ 4 34.5	2.223	3.052	12.7	22.8

346207 2007 XB_{58} 4 9.8 236.°63 5.°6/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.05	+ 8 53.1	2.466	3.276	11.5	21.2
3 12	13 34.83	+ 9 44.7	2.383	3.269	9.2	21.1
3 22	13 28.81	+10 35.4	2.323	3.261	7.0	20.9
4 1	13 21.46	+11 19.8	2.291	3.253	5.6	20.8
4 11	13 13.46	+11 52.3	2.286	3.245	6.1	20.8
4 21	13 5.57	+12 9.2	2.310	3.237	8.1	20.9
5 1	12 58.51	+12 8.3	2.358	3.229	10.6	21.1
5 11	12 52.87	+11 49.2	2.430	3.220	12.9	21.2

164428 2006 BK_{241} 4 9.8 328.°54 1.°9/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.72	− 6 12.8	1.187	2.026	19.6	20.0
3 12	13 35.06	− 5 53.9	1.103	2.012	15.5	19.7
3 22	13 30.13	− 5 19.6	1.038	1.998	10.6	19.4
4 1	13 22.48	− 4 34.3	0.994	1.986	5.0	19.0
4 11	13 13.30	− 3 45.7	0.973	1.974	2.4	18.8
4 21	13 4.09	− 3 3.0	0.976	1.963	7.9	19.1
5 1	12 56.41	− 2 34.5	1.001	1.953	13.5	19.3
5 11	12 51.44	− 2 26.0	1.045	1.944	18.6	19.6

423701 2006 AW_{56} 4 9.8 107.°54 1.°4/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.16	− 6 11.2	1.997	2.796	14.3	22.1
3 12	13 36.00	− 5 38.9	1.921	2.808	11.1	22.0
3 22	13 29.72	− 4 56.8	1.869	2.820	7.4	21.7
4 1	13 21.91	− 4 8.9	1.842	2.832	3.5	21.5
4 11	13 13.41	− 3 20.5	1.844	2.844	1.8	21.4
4 21	13 5.14	− 2 37.0	1.874	2.855	5.4	21.7
5 1	12 57.96	− 2 3.4	1.931	2.866	9.2	21.9
5 11	12 52.53	− 1 42.8	2.012	2.877	12.4	22.2

106238 2000 UW_{45} 4 9.8 159.°33 0.°6/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.51	− 7 49.0	3.032	3.811	10.3	21.5
3 12	13 32.47	− 7 19.7	2.942	3.817	8.1	21.3
3 22	13 27.01	− 6 42.7	2.876	3.823	5.4	21.1
4 1	13 20.54	− 6 0.6	2.839	3.828	2.5	21.0
4 11	13 13.59	− 5 16.6	2.832	3.833	0.9	20.8
4 21	13 6.75	− 4 34.5	2.855	3.837	3.7	21.0
5 1	13 0.57	− 3 57.5	2.906	3.841	6.5	21.2
5 11	12 55.50	− 3 28.6	2.985	3.844	9.0	21.4

154915 2004 SB_{14} 4 9.8 204.°53 0.°9/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.07	− 5 17.6	2.808	3.592	10.9	19.8
3 12	13 34.62	− 5 12.0	2.712	3.590	8.5	19.6
3 22	13 28.56	− 5 0.7	2.641	3.588	5.7	19.4
4 1	13 21.32	− 4 45.9	2.597	3.586	2.7	19.2
4 11	13 13.49	− 4 30.4	2.584	3.584	1.1	19.1
4 21	13 5.73	− 4 17.1	2.600	3.581	4.0	19.3
5 1	12 58.67	− 4 8.7	2.645	3.579	7.0	19.5
5 11	12 52.86	− 4 7.6	2.716	3.576	9.7	19.7

59593 1999 JY_{58} 4 9.8 286.°18 2.°6/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.53	− 3 36.2	1.807	2.621	14.9	19.4
3 12	13 35.25	− 2 59.0	1.711	2.607	11.7	19.2
3 22	13 29.57	− 2 11.7	1.637	2.592	7.9	18.9
4 1	13 21.99	− 1 19.1	1.588	2.577	4.0	18.6
4 11	13 13.38	− 0 27.6	1.566	2.562	3.1	18.5
4 21	13 4.77	+ 0 16.4	1.571	2.548	6.8	18.7
5 1	12 57.20	+ 0 47.0	1.602	2.533	11.0	18.9
5 11	12 51.51	+ 1 0.6	1.655	2.518	14.8	19.1

18427 1994 AY 4 9.8 123.°97 0.°6/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.86	−12 20.9	1.839	2.620	16.0	19.4
3 12	13 38.34	−11 56.4	1.763	2.636	12.7	19.2
3 22	13 31.42	−11 16.3	1.708	2.651	8.7	19.0
4 1	13 22.75	−10 23.4	1.679	2.665	4.3	18.7
4 11	13 13.31	− 9 23.0	1.677	2.679	0.6	18.5
4 21	13 4.14	− 8 21.5	1.704	2.692	4.9	18.8
5 1	12 56.23	− 7 25.7	1.758	2.705	9.1	19.1
5 11	12 50.31	− 6 40.9	1.837	2.717	12.7	19.3

196784 2003 SN_{185} 4 9.8 147.°24 4.°6/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.74	−23 10.8	2.377	3.094	14.5	20.5
3 12	13 37.20	−23 35.6	2.284	3.101	12.2	20.4
3 22	13 30.57	−23 43.9	2.211	3.108	9.5	20.2
4 1	13 22.36	−23 34.4	2.162	3.114	6.7	20.0
4 11	13 13.35	−23 8.2	2.141	3.120	4.7	19.9
4 21	13 4.42	−22 28.3	2.148	3.126	5.1	20.0
5 1	12 56.45	−21 39.7	2.183	3.131	7.5	20.1
5 11	12 50.14	−20 48.5	2.244	3.136	10.3	20.3

503872 2000 SK_{52} 4 9.8 258.°10 3.°6/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.44	−21 50.1	2.298	3.029	14.6	21.7
3 12	13 35.70	−21 41.9	2.175	3.006	12.2	21.5
3 22	13 29.77	−21 14.6	2.072	2.982	9.3	21.3
4 1	13 22.08	−20 27.5	1.993	2.957	6.2	21.0
4 11	13 13.38	−19 22.3	1.942	2.932	3.8	20.8
4 21	13 4.55	−18 3.2	1.920	2.906	4.7	20.8
5 1	12 56.53	−16 37.0	1.926	2.879	8.0	21.0
5 11	12 50.14	−15 11.6	1.958	2.851	11.5	21.1

167854 2005 ES 4 9.8 256.°22 0.°7/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.59	−11 5.6	2.137	2.918	14.0	20.1
3 12	13 35.67	−11 4.0	2.040	2.913	11.2	19.9
3 22	13 29.62	−10 51.0	1.966	2.908	7.8	19.6
4 1	13 21.94	−10 28.0	1.917	2.903	3.9	19.4
4 11	13 13.42	− 9 58.2	1.896	2.898	0.7	19.1
4 21	13 4.93	− 9 25.9	1.904	2.893	4.4	19.4
5 1	12 57.38	− 8 56.0	1.939	2.887	8.3	19.6
5 11	12 51.48	− 8 32.8	1.999	2.882	11.7	19.8

28640 Cathywong 4 9.8 38.°56 4.°1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.72	−21 36.7	1.932	2.682	16.3	18.4
3 12	13 33.69	−21 40.8	1.847	2.689	13.6	18.2
3 22	13 28.37	−21 24.6	1.781	2.697	10.3	18.0
4 1	13 21.35	−20 48.0	1.739	2.704	6.9	17.8
4 11	13 13.50	−19 53.5	1.723	2.712	4.3	17.6
4 21	13 5.80	−18 46.6	1.734	2.720	5.1	17.7
5 1	12 59.22	−17 34.2	1.771	2.729	8.2	17.9
5 11	12 54.47	−16 24.3	1.834	2.737	11.6	18.1

366447 2001 YU_{51} 4 9.8 180.°22 6.°5/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.69	−32 24.7	2.678	3.327	14.4	21.3
3 12	13 37.92	−32 47.6	2.573	3.329	12.7	21.1
3 22	13 31.06	−32 50.9	2.487	3.330	10.6	21.0
4 1	13 22.61	−32 32.1	2.424	3.330	8.5	20.8
4 11	13 13.33	−31 51.1	2.387	3.330	6.9	20.7
4 21	13 4.12	−30 50.3	2.377	3.329	6.6	20.7
5 1	12 55.83	−29 34.6	2.396	3.327	7.8	20.8
5 11	12 49.18	−28 11.1	2.441	3.324	9.9	20.9

366255 2012 YB_4 4 9.8 152.°28 1.°2/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.43	− 3 59.9	2.953	3.735	10.5	21.4
3 12	13 35.51	− 3 49.9	2.865	3.742	8.2	21.2
3 22	13 29.07	− 3 35.1	2.801	3.748	5.5	21.1
4 1	13 21.53	− 3 17.9	2.767	3.755	2.6	20.9
4 11	13 13.49	− 3 0.9	2.762	3.761	1.4	20.8
4 21	13 5.56	− 2 47.2	2.788	3.766	4.1	21.0
5 1	12 58.35	− 2 39.1	2.843	3.772	6.9	21.2
5 11	12 52.36	− 2 38.7	2.925	3.776	9.4	21.3

113028 2002 RL_{46} 4 9.8 304.°22 1.°2/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.54	−10 21.3	1.466	2.272	18.2	19.4
3 12	13 38.69	−10 41.4	1.353	2.240	14.8	19.0
3 22	13 32.67	−10 48.6	1.259	2.208	10.5	18.7
4 1	13 23.83	−10 43.2	1.189	2.176	5.5	18.3
4 11	13 13.13	−10 27.8	1.142	2.144	1.2	17.9
4 21	13 1.93	−10 6.9	1.122	2.112	6.3	18.2
5 1	12 51.81	− 9 47.1	1.125	2.081	12.0	18.4
5 11	12 44.14	− 9 35.4	1.150	2.050	17.2	18.6

503708 2016 JU_{16} 4 9.8 266.°26 1.°7/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.30	− 5 33.3	1.916	2.721	14.6	21.8
3 12	13 35.71	− 5 3.0	1.818	2.708	11.4	21.6
3 22	13 29.81	− 4 22.0	1.743	2.695	7.7	21.3
4 1	13 22.09	− 3 34.3	1.692	2.682	3.7	21.0
4 11	13 13.40	− 2 45.3	1.670	2.669	2.1	20.9
4 21	13 4.71	− 2 1.1	1.675	2.655	6.0	21.1
5 1	12 57.01	− 1 27.1	1.706	2.642	10.1	21.3
5 11	12 51.11	− 1 7.6	1.761	2.628	13.8	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
503090	2015 FZ_{295}		4	9.8	216.°11	5.°5/ 4.3 17
	h m	° ′			°	m
3 2	13 40.94	+ 8 44.8	2.330	3.139	12.1	21.2
3 12	13 36.35	+ 9 24.2	2.252	3.138	9.7	21.0
3 22	13 29.85	+10 2.1	2.197	3.136	7.3	20.8
4 1	13 21.97	+10 32.9	2.169	3.135	5.7	20.7
4 11	13 13.43	+10 51.6	2.169	3.133	6.0	20.7
4 21	13 5.06	+10 54.7	2.197	3.131	8.1	20.9
5 1	12 57.62	+10 40.4	2.250	3.129	10.7	21.0
5 11	12 51.73	+10 9.0	2.327	3.127	13.1	21.2
155832	2000 XB_{52}		4	9.8	232.°38	6.°1/ 4.1 18
3 2	13 42.77	+ 8 45.3	2.149	2.958	13.0	19.7
3 12	13 38.03	+ 9 32.4	2.064	2.950	10.5	19.5
3 22	13 31.14	+10 18.5	2.002	2.941	7.9	19.3
4 1	13 22.64	+10 57.3	1.968	2.932	6.2	19.2
4 11	13 13.35	+11 22.7	1.960	2.923	6.6	19.2
4 21	13 4.16	+11 30.5	1.980	2.914	8.9	19.3
5 1	12 55.98	+11 18.5	2.026	2.904	11.7	19.5
5 11	12 49.51	+10 46.8	2.094	2.894	14.4	19.6
32478	2000 SV_{289}		4	9.8	318.°38	1.°8/12.7 18
3 2	13 32.12	−17 13.7	3.936	4.674	8.8	18.8
3 12	13 28.90	−17 18.4	3.823	4.663	7.2	18.7
3 22	13 24.55	−17 14.6	3.734	4.652	5.3	18.5
4 1	13 19.38	−17 2.8	3.671	4.642	3.3	18.4
4 11	13 13.78	−16 44.2	3.638	4.631	1.8	18.3
4 21	13 8.19	−16 20.8	3.634	4.621	2.7	18.3
5 1	13 3.02	−15 55.1	3.660	4.610	4.7	18.4
5 11	12 58.68	−15 29.7	3.712	4.600	6.7	18.6
51779	2001 MY_8		4	9.8	204.°03	0.°3/10.1 18
3 2	13 38.20	−10 51.0	2.509	3.284	12.3	20.2
3 12	13 34.21	−10 33.6	2.411	3.281	9.8	20.0
3 22	13 28.43	−10 5.4	2.335	3.278	6.7	19.8
4 1	13 21.32	− 9 28.6	2.287	3.274	3.3	19.6
4 11	13 13.53	− 8 46.4	2.267	3.269	0.4	19.3
4 21	13 5.80	− 8 3.1	2.277	3.265	3.9	19.6
5 1	12 58.85	− 7 23.1	2.316	3.260	7.3	19.8
5 11	12 53.29	− 6 50.4	2.380	3.255	10.4	20.0
381544	2008 TN_1		4	9.8	165.°61	5.°2/15.9 17
3 2	13 40.88	−27 13.5	2.578	3.268	14.1	21.9
3 12	13 36.44	−27 29.8	2.479	3.273	12.1	21.8
3 22	13 30.02	−27 28.2	2.401	3.277	9.7	21.6
4 1	13 22.10	−27 7.2	2.346	3.281	7.3	21.5
4 11	13 13.43	−26 27.5	2.317	3.284	5.5	21.4
4 21	13 4.84	−25 32.2	2.318	3.287	5.5	21.4
5 1	12 57.15	−24 26.4	2.346	3.290	7.3	21.5
5 11	12 51.02	−23 16.7	2.401	3.291	9.7	21.6
421641	2014 ON_{315}		4	9.8	199.°18	2.°3/ 7.6 17
3 2	13 41.23	− 5 7.5	1.979	2.779	14.3	22.6
3 12	13 37.05	− 4 12.4	1.888	2.775	11.2	22.4
3 22	13 30.60	− 3 5.8	1.819	2.771	7.5	22.2
4 1	13 22.44	− 1 52.6	1.778	2.766	3.7	21.9
4 11	13 13.41	− 0 39.6	1.764	2.761	2.8	21.8
4 21	13 4.46	+ 0 26.1	1.780	2.754	6.4	22.0
5 1	12 56.56	+ 1 18.7	1.822	2.747	10.3	22.3
5 11	12 50.45	+ 1 54.0	1.888	2.739	13.7	22.5
437705	2014 DB_{76}		4	9.8	237.°58	1.°7/ 7.7 17
3 2	13 34.97	− 5 28.2	2.553	3.351	11.5	21.8
3 12	13 31.64	− 4 38.9	2.458	3.345	9.0	21.6
3 22	13 26.66	− 3 40.7	2.387	3.339	6.0	21.4
4 1	13 20.47	− 2 37.4	2.344	3.333	2.9	21.2
4 11	13 13.67	− 1 33.9	2.330	3.327	2.1	21.1
4 21	13 6.93	− 0 35.3	2.345	3.321	4.9	21.3
5 1	13 0.92	+ 0 14.0	2.388	3.314	8.1	21.5
5 11	12 56.20	+ 0 50.6	2.455	3.307	10.9	21.6
351650	2005 YG_{127}		4	9.8	103.°62	1.°9/11.2 18
3 2	13 44.89	−14 12.4	1.537	2.321	18.5	21.6
3 12	13 40.45	−14 12.3	1.466	2.338	14.8	21.4
3 22	13 33.13	−13 54.1	1.414	2.354	10.5	21.2
4 1	13 23.68	−13 19.2	1.386	2.370	5.7	20.9
4 11	13 13.25	−12 32.0	1.384	2.385	1.9	20.7
4 21	13 3.16	−11 39.2	1.410	2.400	5.4	21.0
5 1	12 54.61	−10 48.5	1.461	2.414	10.0	21.3
5 11	12 48.47	−10 6.9	1.535	2.428	14.0	21.6
31832	2000 AP_{59}		4	9.9	298.°97	6.°3/13.4 18 R
3 2	13 40.52	−20 6.8	1.356	2.136	20.7	18.0
3 12	13 38.42	−20 57.6	1.243	2.104	17.6	17.7
3 22	13 32.86	−21 28.9	1.148	2.072	13.8	17.4
4 1	13 24.11	−21 35.7	1.072	2.041	9.6	17.0
4 11	13 13.15	−21 16.0	1.020	2.009	6.5	16.7
4 21	13 1.50	−20 31.6	0.990	1.977	7.9	16.7
5 1	12 51.01	−19 30.3	0.984	1.945	12.6	16.9
5 11	12 43.29	−18 24.0	0.999	1.914	17.8	17.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
215575	2003 FU_{74}		4	9.9	314.°83	4.°7/ 5.8 17
	h m	° ′			°	m
3 2	13 41.44	+ 5 40.6	2.146	2.957	13.0	20.2
3 12	13 37.03	+ 6 2.3	2.056	2.946	10.3	20.0
3 22	13 30.51	+ 6 24.0	1.989	2.935	7.4	19.8
4 1	13 22.38	+ 6 40.8	1.948	2.925	5.1	19.6
4 11	13 13.44	+ 6 47.6	1.936	2.915	5.2	19.6
4 21	13 4.58	+ 6 41.0	1.950	2.905	7.6	19.7
5 1	12 56.68	+ 6 18.9	1.992	2.895	10.7	19.9
5 11	12 50.44	+ 5 40.9	2.056	2.885	13.6	20.0
403024	2007 XU_{16}		4	9.9	202.°22	2.°2/11.9 17
3 2	13 42.85	−16 43.4	2.193	2.945	14.6	22.3
3 12	13 38.25	−16 35.0	2.089	2.940	11.9	22.1
3 22	13 31.42	−16 10.5	2.007	2.934	8.6	21.8
4 1	13 22.86	−15 30.6	1.950	2.927	5.0	21.6
4 11	13 13.38	−14 38.2	1.922	2.920	2.2	21.4
4 21	13 3.92	−13 37.9	1.922	2.911	4.4	21.5
5 1	12 55.42	−12 36.1	1.952	2.902	8.1	21.7
5 11	12 48.65	−11 39.1	2.007	2.891	11.6	21.9
501514	2014 DT_{121}		4	9.9	137.°91	2.°9/13.1 18
3 2	13 38.87	−19 1.9	2.588	3.326	12.9	21.5
3 12	13 34.73	−19 11.1	2.494	3.332	10.6	21.4
3 22	13 28.78	−19 6.5	2.422	3.338	7.9	21.2
4 1	13 21.50	−18 48.3	2.376	3.344	5.1	21.0
4 11	13 13.57	−18 18.4	2.358	3.349	3.0	20.9
4 21	13 5.72	−17 39.9	2.369	3.354	4.0	21.0
5 1	12 58.68	−16 57.3	2.408	3.359	6.7	21.1
5 11	12 53.07	−16 15.5	2.474	3.364	9.5	21.3
16575	1992 EH_{11}		4	9.9	81.°17	0.°7/ 9.1 18
3 2	13 37.18	− 8 12.6	2.282	3.074	12.9	18.5
3 12	13 33.44	− 7 41.6	2.206	3.088	10.1	18.3
3 22	13 27.89	− 7 0.6	2.152	3.101	6.8	18.1
4 1	13 21.05	− 6 12.8	2.126	3.115	3.1	17.9
4 11	13 13.63	− 5 22.9	2.128	3.129	1.0	17.8
4 21	13 6.41	− 4 35.7	2.158	3.142	4.5	18.1
5 1	13 0.10	− 3 55.7	2.217	3.156	7.9	18.3
5 11	12 55.28	− 3 26.5	2.300	3.169	10.9	18.5
152883	2000 BD_{20}		4	9.9	298.°24	6.°1/ 5.0 17
3 2	13 37.50	+ 0 21.0	1.302	2.145	17.9	19.8
3 12	13 35.33	+ 1 43.0	1.222	2.133	14.1	19.5
3 22	13 30.11	+ 3 17.7	1.161	2.120	9.9	19.2
4 1	13 22.44	+ 4 55.4	1.123	2.107	6.5	19.0
4 11	13 13.44	+ 6 23.6	1.110	2.095	7.0	19.0
4 21	13 4.49	+ 7 31.2	1.121	2.083	11.0	19.1
5 1	12 56.97	+ 8 10.3	1.154	2.071	15.5	19.3
5 11	12 51.93	+ 8 18.1	1.205	2.060	19.7	19.6
382319	2013 SL_{39}		4	9.9	213.°46	0.°8/10.6 17
3 2	13 42.68	−11 16.0	2.167	2.940	14.1	21.2
3 12	13 38.10	−11 18.9	2.067	2.935	11.3	21.0
3 22	13 31.31	−11 10.6	1.989	2.929	7.9	20.8
4 1	13 22.81	−10 52.3	1.938	2.923	4.0	20.5
4 11	13 13.41	−10 26.9	1.914	2.916	0.9	20.3
4 21	13 4.01	− 9 58.2	1.920	2.909	4.4	20.5
5 1	12 55.57	− 9 31.1	1.954	2.901	8.3	20.7
5 11	12 48.83	− 9 10.0	2.013	2.893	11.8	20.9
272679	2005 XC_{23}		4	9.9	243.°13	1.°1/10.9 17
3 2	13 39.22	−13 34.1	2.054	2.830	14.7	21.0
3 12	13 35.57	−13 18.0	1.951	2.819	11.8	20.8
3 22	13 29.69	−12 46.6	1.869	2.808	8.3	20.6
4 1	13 22.07	−12 1.6	1.813	2.797	4.4	20.3
4 11	13 13.50	−11 6.6	1.784	2.785	1.1	20.0
4 21	13 4.93	−10 7.2	1.783	2.773	4.5	20.3
5 1	12 57.29	− 9 9.6	1.810	2.760	8.6	20.5
5 11	12 51.38	− 8 20.1	1.862	2.748	12.3	20.7
8728	Mimatsu		4	9.9	169.°36	1.°6/ 8.3 18
3 2	13 42.40	− 6 13.7	2.081	2.873	14.0	19.2
3 12	13 37.77	− 5 33.6	1.995	2.878	10.9	19.0
3 22	13 30.99	− 4 42.9	1.932	2.882	7.3	18.8
4 1	13 22.60	− 3 45.9	1.896	2.885	3.5	18.5
4 11	13 13.45	− 2 48.0	1.889	2.888	2.0	18.4
4 21	13 4.45	− 1 55.1	1.911	2.890	5.5	18.7
5 1	12 56.49	− 1 12.5	1.961	2.891	9.3	18.9
5 11	12 50.28	− 0 43.8	2.034	2.891	12.7	19.1
468634	2008 SB_{12}		4	9.9	186.°74	2.°7/12.9 18
3 2	13 39.78	−19 20.2	2.720	3.451	12.5	22.4
3 12	13 35.38	−19 15.8	2.616	3.450	10.3	22.2
3 22	13 29.21	−18 57.2	2.535	3.449	7.7	22.1
4 1	13 21.72	−18 24.8	2.480	3.448	4.8	21.9
4 11	13 13.56	−17 40.6	2.453	3.446	2.7	21.7
4 21	13 5.46	−16 48.2	2.456	3.443	3.8	21.8
5 1	12 58.12	−15 52.3	2.489	3.439	6.6	22.0
5 11	12 52.15	−14 58.0	2.548	3.435	9.4	22.1

457499 2008 VD_4 4 9.9 221.°52 0.°2/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 44.70	− 9 39.5	1.881	2.665	15.6	22.8
3 12	13 40.09	− 9 20.6	1.778	2.654	12.4	22.5
3 22	13 32.92	− 8 48.2	1.697	2.642	8.5	22.2
4 1	13 23.68	− 8 4.6	1.641	2.629	4.1	21.9
4 11	13 13.30	− 7 14.4	1.614	2.616	0.7	21.6
4 21	13 2.88	− 6 23.5	1.615	2.601	5.4	22.0
5 1	12 53.53	− 5 38.5	1.644	2.586	9.9	22.2
5 11	12 46.18	− 5 4.8	1.696	2.569	14.0	22.4

208427 2001 TU_5 4 9.9 84.°08 2.°3/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.17	− 1 58.8	2.211	3.013	12.9	19.8
3 12	13 35.81	− 1 36.6	2.136	3.025	10.0	19.6
3 22	13 29.52	− 1 9.1	2.084	3.036	6.7	19.4
4 1	13 21.85	− 0 40.1	2.059	3.047	3.5	19.2
4 11	13 13.56	− 0 14.0	2.062	3.058	2.7	19.2
4 21	13 5.48	+ 0 5.2	2.094	3.069	5.6	19.4
5 1	12 58.37	+ 0 14.3	2.154	3.080	8.9	19.6
5 11	12 52.85	+ 0 11.4	2.237	3.090	11.8	19.8

286081 2001 TT_9 4 9.9 133.°53 0.°7/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.07	−13 54.3	2.555	3.323	12.4	20.5
3 12	13 32.47	−13 16.6	2.466	3.331	9.8	20.3
3 22	13 27.20	−12 25.6	2.401	3.339	6.8	20.1
4 1	13 20.73	−11 23.8	2.362	3.346	3.5	19.9
4 11	13 13.71	−10 15.2	2.352	3.354	0.7	19.7
4 21	13 6.83	− 9 4.9	2.372	3.361	3.7	20.0
5 1	13 0.75	− 7 58.3	2.421	3.367	6.9	20.2
5 11	12 56.00	− 7 0.0	2.496	3.374	9.9	20.4

420830 2013 JB_1 4 9.9 291.°80 3.°2/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.31	−15 0.6	1.494	2.282	18.7	20.8
3 12	13 39.05	−15 31.0	1.398	2.270	15.4	20.6
3 22	13 32.69	−15 45.0	1.320	2.257	11.3	20.3
4 1	13 23.75	−15 41.3	1.265	2.245	6.7	20.0
4 11	13 13.30	−15 21.7	1.235	2.233	3.2	19.7
4 21	13 2.70	−14 50.5	1.231	2.221	6.0	19.9
5 1	12 53.42	−14 14.6	1.252	2.209	10.8	20.1
5 11	12 46.61	−13 42.2	1.294	2.198	15.4	20.3

423466 2005 SO_{175} 4 9.9 220.°09 3.°5/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 45.42	−16 40.0	1.995	2.748	15.8	21.2
3 12	13 40.61	−17 18.3	1.895	2.744	13.0	20.9
3 22	13 33.24	−17 43.2	1.816	2.739	9.7	20.7
4 1	13 23.84	−17 53.5	1.762	2.734	6.1	20.5
4 11	13 13.30	−17 49.8	1.735	2.728	3.5	20.3
4 21	13 2.71	−17 34.8	1.737	2.723	5.1	20.4
5 1	12 53.18	−17 13.1	1.766	2.717	8.7	20.6
5 11	12 45.62	−16 50.5	1.820	2.710	12.3	20.8

331918 2004 RV_{192} 4 9.9 241.°09 1.°2/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.47	−15 44.6	2.423	3.181	13.2	21.5
3 12	13 34.67	−15 9.0	2.306	3.163	10.7	21.3
3 22	13 28.93	−14 17.1	2.212	3.145	7.6	21.1
4 1	13 21.67	−13 10.3	2.145	3.126	4.1	20.8
4 11	13 13.59	−11 52.5	2.106	3.107	1.2	20.6
4 21	13 5.47	−10 29.2	2.098	3.087	4.0	20.7
5 1	12 58.13	− 9 6.9	2.119	3.066	7.7	20.9
5 11	12 52.25	− 7 52.0	2.165	3.045	11.1	21.1

146818 2001 YL_{115} 4 9.9 11.°59 10.°0/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.91	+21 1.0	2.119	2.929	13.2	19.3
3 12	13 34.28	+22 28.2	2.066	2.930	11.5	19.2
3 22	13 28.59	+23 45.2	2.036	2.932	10.3	19.1
4 1	13 21.43	+24 44.0	2.030	2.934	10.0	19.1
4 11	13 13.64	+25 17.8	2.048	2.936	10.9	19.2
4 21	13 6.10	+25 23.7	2.090	2.938	12.5	19.3
5 1	12 59.63	+25 1.4	2.152	2.941	14.3	19.4
5 11	12 54.85	+24 13.4	2.233	2.944	16.1	19.6

205549 2001 SN_{205} 4 9.9 79.°17 0.°7/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.74	− 7 51.2	2.193	2.987	13.3	20.3
3 12	13 34.03	− 7 26.8	2.112	2.994	10.4	20.1
3 22	13 28.39	− 6 52.4	2.053	3.002	7.0	19.9
4 1	13 21.35	− 6 11.2	2.020	3.009	3.3	19.6
4 11	13 13.65	− 5 27.5	2.015	3.017	1.0	19.5
4 21	13 6.11	− 4 46.3	2.040	3.024	4.7	19.8
5 1	12 59.51	− 4 12.0	2.091	3.031	8.2	20.0
5 11	12 54.45	− 3 48.3	2.167	3.039	11.4	20.2

98587 2000 WD_{50} 4 9.9 248.°40 1.°8/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.66	− 5 19.2	2.182	2.979	13.3	20.6
3 12	13 35.74	− 4 43.3	2.077	2.963	10.4	20.4
3 22	13 29.73	− 3 57.6	1.996	2.946	7.0	20.2
4 1	13 22.08	− 3 5.6	1.940	2.930	3.4	19.9
4 11	13 13.55	− 2 12.6	1.914	2.912	2.1	19.8
4 21	13 4.98	− 1 24.0	1.916	2.894	5.6	20.0
5 1	12 57.27	− 0 45.1	1.946	2.876	9.4	20.2
5 11	12 51.15	− 0 19.8	2.000	2.857	12.8	20.3

15079 1999 CO_{16} 4 9.9 238.°19 0.°1/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.08	− 9 24.3	2.210	2.998	13.4	18.7
3 12	13 34.38	− 9 7.3	2.117	2.996	10.6	18.5
3 22	13 28.71	− 8 39.3	2.047	2.994	7.2	18.3
4 1	13 21.54	− 8 2.8	2.003	2.991	3.5	18.0
4 11	13 13.63	− 7 21.9	1.987	2.989	0.5	17.8
4 21	13 5.79	− 6 41.1	2.000	2.987	4.5	18.1
5 1	12 58.85	− 6 5.4	2.040	2.984	8.2	18.3
5 11	12 53.46	− 5 38.8	2.105	2.982	11.5	18.5

504414 2007 YH_{18} 4 9.9 104.°81 4.°6/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.86	−25 37.5	2.479	3.187	14.2	21.4
3 12	13 34.09	−25 41.6	2.390	3.198	12.0	21.2
3 22	13 28.42	−25 27.3	2.320	3.210	9.4	21.1
4 1	13 21.36	−24 54.0	2.275	3.221	6.8	20.9
4 11	13 13.66	−24 3.5	2.257	3.232	4.8	20.8
4 21	13 6.09	−22 59.6	2.266	3.243	5.0	20.9
5 1	12 59.45	−21 48.0	2.304	3.254	7.0	21.0
5 11	12 54.32	−20 35.2	2.368	3.264	9.6	21.2

155011 2005 PR_{17} 4 9.9 205.°01 2.°9/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.71	+ 1 1.1	2.574	3.372	11.4	20.4
3 12	13 36.05	+ 1 21.4	2.484	3.369	8.9	20.2
3 22	13 29.63	+ 1 44.7	2.418	3.367	6.1	20.0
4 1	13 21.93	+ 2 7.2	2.380	3.364	3.5	19.9
4 11	13 13.60	+ 2 25.2	2.371	3.360	3.2	19.8
4 21	13 5.36	+ 2 35.3	2.391	3.357	5.6	20.0
5 1	12 57.92	+ 2 35.0	2.440	3.353	8.5	20.1
5 11	12 51.86	+ 2 23.0	2.513	3.349	11.2	20.3

25905 Clerico 4 9.9 52.°08 1.°3/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 48.68	− 4 10.4	1.309	2.124	19.4	17.8
3 12	13 43.65	− 4 29.7	1.251	2.145	15.2	17.6
3 22	13 35.39	− 4 40.9	1.214	2.167	10.2	17.4
4 1	13 24.80	− 4 47.1	1.199	2.189	4.8	17.1
4 11	13 13.25	− 4 52.4	1.211	2.212	1.7	17.0
4 21	13 2.26	− 5 1.2	1.248	2.234	6.6	17.3
5 1	12 53.15	− 5 17.2	1.310	2.257	11.5	17.7
5 11	12 46.79	− 5 42.8	1.395	2.280	15.6	18.0

324550 2006 WB_{68} 4 9.9 113.°69 0.°1/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.39	−10 48.2	2.029	2.811	14.6	21.2
3 12	13 36.93	−10 12.1	1.956	2.831	11.5	21.0
3 22	13 30.36	− 9 22.6	1.905	2.850	7.8	20.8
4 1	13 22.29	− 8 23.0	1.880	2.868	3.7	20.6
4 11	13 13.57	− 7 18.9	1.884	2.886	0.6	20.4
4 21	13 5.13	− 6 16.2	1.917	2.903	4.7	20.7
5 1	12 57.82	− 5 20.9	1.978	2.920	8.5	21.0
5 11	12 52.27	− 4 37.6	2.063	2.936	11.9	21.2

261116 2005 TQ_5 4 9.9 103.°47 3.°5/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.55	−19 25.0	2.008	2.755	15.9	21.3
3 12	13 38.06	−19 36.3	1.929	2.772	13.1	21.1
3 22	13 31.27	−19 30.0	1.871	2.789	9.7	20.9
4 1	13 22.78	−19 6.1	1.837	2.805	6.2	20.7
4 11	13 13.50	−18 27.0	1.830	2.822	3.6	20.6
4 21	13 4.46	−17 37.4	1.851	2.837	4.8	20.7
5 1	12 56.59	−16 43.5	1.900	2.853	8.0	20.9
5 11	12 50.62	−15 52.0	1.974	2.868	11.3	21.2

159386 1998 KE_{58} 4 9.9 274.°97 4.°7/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.32	+ 1 42.5	2.065	2.883	13.2	19.7
3 12	13 34.06	+ 2 56.1	1.964	2.860	10.4	19.5
3 22	13 28.67	+ 4 17.3	1.886	2.838	7.3	19.3
4 1	13 21.62	+ 5 39.7	1.836	2.815	5.0	19.1
4 11	13 13.64	+ 6 55.6	1.813	2.792	5.4	19.1
4 21	13 5.61	+ 7 57.9	1.817	2.769	8.3	19.2
5 1	12 58.44	+ 8 41.2	1.847	2.745	11.7	19.3
5 11	12 52.89	+ 9 2.6	1.900	2.721	14.9	19.5

270455 2002 CR_{229} 4 9.9 27.°62 1.°8/ 8.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.44	− 6 48.3	1.539	2.360	16.7	21.3
3 12	13 33.80	− 6 6.4	1.468	2.367	13.0	21.1
3 22	13 28.64	− 5 10.9	1.418	2.375	8.7	20.8
4 1	13 21.58	− 4 7.0	1.392	2.383	4.1	20.6
4 11	13 13.66	− 3 2.3	1.392	2.392	2.3	20.5
4 21	13 5.98	− 2 4.6	1.419	2.401	6.5	20.8
5 1	12 59.61	− 1 20.6	1.470	2.411	10.9	21.0
5 11	12 55.30	− 0 54.5	1.542	2.422	14.8	21.3

55922 1998 FL_{51} 4 9.9 91.°01 1.°2/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.12	− 6 16.3	2.358	3.151	12.5	19.2
3 12	13 34.09	− 5 43.2	2.285	3.168	9.7	19.0
3 22	13 28.30	− 5 1.8	2.235	3.185	6.5	18.9
4 1	13 21.28	− 4 15.5	2.213	3.202	3.0	18.7
4 11	13 13.72	− 3 29.0	2.219	3.219	1.5	18.6
4 21	13 6.37	− 2 46.7	2.255	3.235	4.7	18.8
5 1	12 59.93	− 2 12.8	2.318	3.252	7.9	19.0
5 11	12 54.94	− 1 50.0	2.406	3.268	10.8	19.3

23088 1999 XR_{118} 4 9.9 309.°10 2.°6/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.56	−15 8.2	1.445	2.244	18.7	18.3
3 12	13 35.42	−15 17.2	1.345	2.225	15.4	18.0
3 22	13 30.29	−15 6.5	1.264	2.206	11.2	17.7
4 1	13 22.65	−14 35.8	1.204	2.187	6.4	17.4
4 11	13 13.52	−13 48.1	1.169	2.168	2.6	17.1
4 21	13 4.20	−12 49.6	1.159	2.151	5.9	17.2
5 1	12 56.12	−11 49.3	1.173	2.133	11.0	17.5
5 11	12 50.44	−10 56.4	1.208	2.116	15.9	17.7

282853 2007 AL_{30} 4 9.9 220.°83 0.°5/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 43.00	−12 10.6	1.624	2.414	17.4	21.5
3 12	13 39.17	−11 49.1	1.529	2.407	13.9	21.2
3 22	13 32.51	−11 9.6	1.454	2.398	9.7	20.9
4 1	13 23.59	−10 14.2	1.402	2.389	4.9	20.6
4 11	13 13.42	− 9 8.3	1.378	2.380	0.7	20.3
4 21	13 3.24	− 7 59.1	1.381	2.369	5.7	20.6
5 1	12 54.33	− 6 55.3	1.409	2.358	10.7	20.9
5 11	12 47.67	− 6 4.3	1.461	2.347	15.1	21.1

457483 2008 US_{294} 4 9.9 204.°72 0.°0/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 44.70	−10 6.2	1.878	2.661	15.6	22.6
3 12	13 40.05	− 9 49.1	1.781	2.656	12.4	22.4
3 22	13 32.85	− 9 18.4	1.705	2.650	8.6	22.2
4 1	13 23.67	− 8 36.4	1.655	2.643	4.2	21.9
4 11	13 13.41	− 7 47.7	1.633	2.635	0.5	21.6
4 21	13 3.18	− 6 58.1	1.640	2.627	5.3	21.9
5 1	12 54.08	− 6 13.9	1.674	2.618	9.7	22.1
5 11	12 46.97	− 5 40.5	1.732	2.607	13.6	22.4

508114 2015 DJ_{210} 4 9.9 281.°83 6.°4/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.09	+ 9 23.9	2.182	3.001	12.5	21.1
3 12	13 34.38	+10 27.9	2.104	2.994	10.1	20.9
3 22	13 28.70	+11 31.1	2.049	2.988	7.8	20.8
4 1	13 21.55	+12 26.8	2.021	2.981	6.5	20.7
4 11	13 13.70	+13 8.5	2.019	2.975	7.1	20.7
4 21	13 5.96	+13 31.6	2.044	2.968	9.2	20.8
5 1	12 59.16	+13 33.5	2.094	2.962	11.8	21.0
5 11	12 53.92	+13 14.3	2.165	2.955	14.3	21.1

142315 2002 RU_{165} 4 9.9 12.°63 1.°9/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.35	−12 44.2	1.270	2.085	19.9	19.1
3 12	13 36.05	−13 0.2	1.197	2.087	16.0	18.9
3 22	13 30.61	−12 57.8	1.143	2.091	11.3	18.6
4 1	13 22.70	−12 38.2	1.109	2.095	6.1	18.3
4 11	13 13.55	−12 5.5	1.100	2.101	1.9	18.0
4 21	13 4.58	−11 26.5	1.115	2.107	5.9	18.3
5 1	12 57.22	−10 49.4	1.153	2.115	11.1	18.6
5 11	12 52.44	−10 21.5	1.213	2.123	15.7	18.9

214549 2006 PB_{9} 4 9.9 328.°26 1.°3/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.76	− 7 56.4	1.287	2.119	18.8	20.2
3 12	13 34.09	− 7 30.1	1.201	2.105	14.9	19.9
3 22	13 29.38	− 6 46.3	1.134	2.092	10.2	19.6
4 1	13 22.19	− 5 49.4	1.089	2.080	4.8	19.3
4 11	13 13.60	− 4 46.8	1.068	2.069	1.8	19.0
4 21	13 5.01	− 3 47.8	1.071	2.058	7.2	19.3
5 1	12 57.82	− 3 1.5	1.096	2.048	12.7	19.6
5 11	12 53.11	− 2 34.5	1.142	2.039	17.5	19.9

130999 2000 WU_{172} 4 9.9 240.°48 12.°7/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 44.87	+25 42.8	1.947	2.738	14.9	19.9
3 12	13 40.28	+27 45.5	1.882	2.722	13.5	19.7
3 22	13 33.05	+29 36.5	1.839	2.705	12.7	19.6
4 1	13 23.77	+31 4.3	1.820	2.687	12.9	19.6
4 11	13 13.43	+31 59.6	1.824	2.668	14.1	19.6
4 21	13 3.20	+32 17.6	1.849	2.648	15.8	19.7
5 1	12 54.22	+31 57.9	1.892	2.628	17.8	19.8
5 11	12 47.37	+31 4.4	1.951	2.607	19.6	19.9

289720 2005 JE_{11} 4 9.9 300.°80 0.°9/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.78	− 7 25.6	1.510	2.325	17.3	21.3
3 12	13 36.93	− 7 14.4	1.411	2.306	13.8	21.1
3 22	13 31.18	− 6 49.9	1.333	2.287	9.5	20.7
4 1	13 23.05	− 6 15.0	1.278	2.268	4.5	20.4
4 11	13 13.51	− 5 35.1	1.248	2.249	1.3	20.1
4 21	13 3.83	− 4 57.0	1.244	2.231	6.5	20.4
5 1	12 55.35	− 4 27.7	1.265	2.213	11.7	20.6
5 11	12 49.16	− 4 12.9	1.307	2.195	16.3	20.9

248419 2005 SX_{205} 4 9.9 134.°35 3.°1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.11	−21 52.8	2.720	3.446	12.7	20.8
3 12	13 32.53	−21 39.8	2.625	3.452	10.5	20.7
3 22	13 27.29	−21 11.0	2.551	3.459	7.9	20.5
4 1	13 20.84	−20 26.8	2.502	3.464	5.2	20.3
4 11	13 13.82	−19 29.7	2.482	3.470	3.2	20.2
4 21	13 6.90	−18 23.6	2.491	3.476	3.9	20.2
5 1	13 0.76	−17 13.8	2.528	3.481	6.3	20.4
5 11	12 55.94	−16 5.6	2.593	3.486	9.0	20.6

417707 2007 BT_{78} 4 9.9 34.°66 2.°7/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.22	− 4 21.0	1.470	2.296	17.1	21.1
3 12	13 35.30	− 3 39.9	1.403	2.305	13.3	20.9
3 22	13 29.70	− 2 47.3	1.356	2.314	8.9	20.7
4 1	13 22.13	− 1 49.3	1.334	2.323	4.4	20.4
4 11	13 13.65	− 0 53.8	1.336	2.334	3.2	20.4
4 21	13 5.47	− 0 8.2	1.365	2.344	7.2	20.7
5 1	12 58.68	+ 0 21.5	1.418	2.355	11.6	20.9
5 11	12 54.09	+ 0 32.2	1.492	2.367	15.4	21.2

64422 2001 UP_{206} 4 9.9 152.°55 3.°7/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.13	+ 2 39.4	2.495	3.301	11.6	19.8
3 12	13 34.84	+ 3 19.0	2.416	3.305	9.0	19.6
3 22	13 28.83	+ 4 1.2	2.361	3.309	6.3	19.4
4 1	13 21.57	+ 4 41.4	2.333	3.313	4.0	19.3
4 11	13 13.74	+ 5 15.0	2.335	3.317	4.1	19.3
4 21	13 6.05	+ 5 38.1	2.364	3.320	6.3	19.5
5 1	12 59.20	+ 5 48.0	2.421	3.324	9.1	19.6
5 11	12 53.74	+ 5 43.6	2.502	3.326	11.6	19.8

150986 2001 TL_{239} 4 9.9 184.°43 4.°7/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.84	+ 2 44.1	1.844	2.660	14.6	20.3
3 12	13 37.64	+ 3 28.1	1.766	2.661	11.4	20.1
3 22	13 31.08	+ 4 15.8	1.710	2.660	8.0	19.9
4 1	13 22.75	+ 5 1.2	1.679	2.660	5.2	19.7
4 11	13 13.58	+ 5 37.4	1.676	2.660	5.2	19.7
4 21	13 4.58	+ 5 59.3	1.700	2.659	8.1	19.8
5 1	12 56.74	+ 6 3.3	1.750	2.659	11.6	20.0
5 11	12 50.81	+ 5 48.4	1.821	2.658	14.8	20.3

208463 2001 UH_{32} 4 9.9 101.°26 5.°6/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 47.15	+10 52.8	2.410	3.204	12.3	20.1
3 12	13 40.97	+11 13.6	2.343	3.218	9.8	19.9
3 22	13 32.88	+11 30.2	2.299	3.231	7.4	19.8
4 1	13 23.46	+11 37.7	2.283	3.244	5.8	19.7
4 11	13 13.51	+11 32.2	2.296	3.257	6.0	19.7
4 21	13 3.87	+11 11.4	2.339	3.269	7.9	19.9
5 1	12 55.31	+10 34.8	2.408	3.282	10.2	20.0
5 11	12 48.40	+ 9 43.8	2.501	3.294	12.5	20.2

63739 2001 QD_{251} 4 9.9 158.°21 2.°6/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.93	−18 24.7	1.715	2.479	17.6	20.2
3 12	13 38.08	−18 4.1	1.628	2.485	14.3	19.9
3 22	13 31.58	−17 21.4	1.561	2.491	10.4	19.7
4 1	13 23.06	−16 17.6	1.518	2.496	6.1	19.5
4 11	13 13.55	−14 57.3	1.502	2.500	2.7	19.3
4 21	13 4.22	−13 27.9	1.513	2.503	5.1	19.4
5 1	12 56.20	−11 58.9	1.551	2.506	9.4	19.7
5 11	12 50.33	−10 39.1	1.614	2.509	13.4	19.9

126135 2001 YR_{124} 4 9.9 44.°61 1.°5/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 43.37	− 5 40.7	1.320	2.141	19.0	18.8
3 12	13 39.74	− 5 34.3	1.250	2.148	14.9	18.6
3 22	13 32.98	− 5 16.3	1.200	2.155	10.1	18.3
4 1	13 23.80	− 4 50.8	1.172	2.163	4.8	18.0
4 11	13 13.47	− 4 23.9	1.170	2.170	1.9	17.9
4 21	13 3.43	− 4 2.1	1.192	2.178	6.9	18.2
5 1	12 55.04	− 3 51.1	1.239	2.187	12.0	18.5
5 11	12 49.25	− 3 54.8	1.307	2.195	16.3	18.8

245678 2006 BV_{51} 4 9.9 78.°89 3.°5/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.42	− 1 25.9	1.876	2.692	14.4	20.7
3 12	13 34.90	− 0 34.2	1.799	2.696	11.2	20.5
3 22	13 29.18	+ 0 25.1	1.745	2.700	7.6	20.3
4 1	13 21.83	+ 1 26.3	1.717	2.704	4.3	20.1
4 11	13 13.73	+ 2 22.5	1.717	2.708	4.0	20.1
4 21	13 5.80	+ 3 7.6	1.743	2.712	7.1	20.3
5 1	12 58.96	+ 3 36.8	1.796	2.716	10.7	20.5
5 11	12 53.90	+ 3 47.9	1.870	2.720	13.9	20.7

507433 2012 RA_{20} 4 9.9 173.°98 4.°6/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.67	−26 12.1	2.598	3.298	13.8	21.5
3 12	13 34.73	−26 13.0	2.497	3.300	11.7	21.3
3 22	13 28.90	−25 55.6	2.416	3.302	9.3	21.1
4 1	13 21.68	−25 19.2	2.359	3.303	6.7	21.0
4 11	13 13.75	−24 25.2	2.330	3.304	4.8	20.8
4 21	13 5.90	−23 17.3	2.329	3.305	4.9	20.8
5 1	12 58.91	−22 0.9	2.356	3.305	7.0	21.0
5 11	12 53.40	−20 42.6	2.410	3.305	9.5	21.1

455224 2001 RW_{47} 4 9.9 136.°31 2.°9/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 45.59	− 2 11.4	2.233	3.023	13.2	22.4
3 12	13 39.92	− 1 17.0	2.162	3.044	10.2	22.2
3 22	13 32.27	− 0 15.9	2.116	3.064	6.9	22.1
4 1	13 23.21	+ 0 46.9	2.097	3.083	3.7	21.9
4 11	13 13.57	+ 1 45.4	2.109	3.100	3.3	21.9
4 21	13 4.23	+ 2 34.4	2.150	3.117	6.1	22.1
5 1	12 55.98	+ 3 9.9	2.220	3.132	9.3	22.3
5 11	12 49.43	+ 3 29.8	2.314	3.146	12.2	22.5

203004 1999 VD_{210} 4 9.9 161.°65 2.°0/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.52	− 3 47.9	2.060	2.861	13.8	20.9
3 12	13 36.38	− 3 24.1	1.975	2.863	10.7	20.7
3 22	13 30.13	− 2 52.8	1.912	2.864	7.2	20.5
4 1	13 22.29	− 2 17.6	1.877	2.865	3.6	20.3
4 11	13 13.68	− 1 43.7	1.869	2.866	2.3	20.2
4 21	13 5.20	− 1 15.6	1.889	2.867	5.7	20.4
5 1	12 57.73	− 0 57.5	1.937	2.868	9.3	20.6
5 11	12 51.95	− 0 52.2	2.008	2.869	12.6	20.9

305307 2008 AN_{37} 4 9.9 335.°87 4.°4/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.36	+ 2 2.5	2.106	2.927	12.8	21.1
3 12	13 32.34	+ 3 2.5	2.024	2.923	10.0	20.9
3 22	13 27.37	+ 4 7.5	1.966	2.918	7.0	20.7
4 1	13 20.96	+ 5 11.3	1.934	2.914	4.7	20.6
4 11	13 13.85	+ 6 7.6	1.929	2.910	4.9	20.6
4 21	13 6.85	+ 6 50.8	1.952	2.906	7.5	20.7
5 1	13 0.75	+ 7 16.7	1.999	2.903	10.6	20.9
5 11	12 56.18	+ 7 23.8	2.070	2.900	13.5	21.1

53233 1999 CO_{117} 4 9.9 146.°83 5.°6/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 44.50	−25 40.4	2.248	2.950	15.6	18.6
3 12	13 39.62	−26 14.9	2.156	2.959	13.3	18.4
3 22	13 32.41	−26 31.1	2.084	2.968	10.6	18.2
4 1	13 23.43	−26 26.8	2.036	2.976	7.9	18.1
4 11	13 13.55	−26 2.3	2.014	2.984	5.9	18.0
4 21	13 3.75	−25 20.4	2.020	2.991	6.0	18.0
5 1	12 55.02	−24 26.7	2.054	2.998	8.2	18.1
5 11	12 48.14	−23 28.1	2.114	3.004	10.9	18.3

386447 2008 WR_{98} 4 9.9 4.°61 6.°8/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.70	−25 2.8	1.772	2.510	18.0	20.2
3 12	13 34.97	−25 55.3	1.684	2.510	15.4	20.0
3 22	13 29.64	−26 27.2	1.615	2.511	12.4	19.8
4 1	13 22.22	−26 35.4	1.567	2.513	9.3	19.6
4 11	13 13.69	−26 19.5	1.543	2.515	7.1	19.5
4 21	13 5.18	−25 42.6	1.545	2.519	7.2	19.5
5 1	12 57.87	−24 50.9	1.571	2.523	9.5	19.6
5 11	12 52.66	−23 52.9	1.620	2.528	12.6	19.8

468281 2015 DY_{13} 4 9.9 288.°78 1.°1/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.41	−12 50.1	1.823	2.611	15.8	21.5
3 12	13 35.27	−12 40.0	1.725	2.601	12.7	21.3
3 22	13 29.70	−12 14.2	1.648	2.591	8.9	21.1
4 1	13 22.22	−11 34.3	1.595	2.581	4.7	20.8
4 11	13 13.69	−10 44.3	1.569	2.570	1.1	20.5
4 21	13 5.16	− 9 50.0	1.570	2.560	4.9	20.7
5 1	12 57.69	− 8 58.3	1.598	2.550	9.3	21.0
5 11	12 52.11	− 8 15.5	1.649	2.541	13.3	21.2

472199 2014 EH_8 4 9.9 60.°33 4.°5/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.50	+ 2 20.3	2.166	2.986	12.6	21.2
3 12	13 32.29	+ 3 33.5	2.096	2.993	9.8	21.0
3 22	13 27.23	+ 4 51.0	2.050	3.001	6.9	20.9
4 1	13 20.85	+ 6 6.4	2.031	3.009	4.7	20.7
4 11	13 13.88	+ 7 13.0	2.040	3.018	5.1	20.8
4 21	13 7.10	+ 8 5.3	2.077	3.026	7.6	20.9
5 1	13 1.23	+ 8 39.6	2.139	3.034	10.4	21.1
5 11	12 56.85	+ 8 54.4	2.223	3.042	13.0	21.3

386517 2009 BK_{131} 4 9.9 343.°18 1.°3/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.58	− 5 47.6	1.978	2.784	14.1	21.1
3 12	13 34.26	− 5 28.7	1.889	2.779	11.1	20.9
3 22	13 28.79	− 5 0.7	1.823	2.776	7.5	20.7
4 1	13 21.69	− 4 26.7	1.782	2.772	3.5	20.4
4 11	13 13.77	− 3 51.7	1.769	2.769	1.7	20.3
4 21	13 5.94	− 3 20.5	1.783	2.766	5.4	20.5
5 1	12 59.08	− 2 57.9	1.824	2.764	9.3	20.7
5 11	12 53.92	− 2 47.2	1.888	2.762	12.7	20.9

372576 2009 UG_{82} 4 9.9 178.°86 1.°0/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.48	−14 39.1	2.175	2.945	14.2	21.4
3 12	13 34.78	−14 6.5	2.081	2.946	11.3	21.2
3 22	13 29.05	−13 18.0	2.010	2.947	8.0	21.0
4 1	13 21.79	−12 15.5	1.964	2.947	4.2	20.8
4 11	13 13.78	−11 3.7	1.946	2.947	1.0	20.5
4 21	13 5.87	− 9 48.5	1.957	2.947	4.2	20.8
5 1	12 58.92	− 8 36.5	1.997	2.946	8.0	21.0
5 11	12 53.57	− 7 33.6	2.062	2.945	11.4	21.2

330237 2006 MA_{10} 4 9.9 221.°81 1.°3/ 8.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.72	− 7 9.1	2.017	2.810	14.4	22.3
3 12	13 37.54	− 6 34.5	1.918	2.801	11.3	22.0
3 22	13 31.08	− 5 48.0	1.841	2.791	7.7	21.8
4 1	13 22.84	− 4 53.2	1.791	2.780	3.6	21.5
4 11	13 13.65	− 3 55.6	1.768	2.768	1.6	21.4
4 21	13 4.46	− 3 1.1	1.775	2.756	5.6	21.6
5 1	12 56.26	− 2 15.7	1.808	2.743	9.7	21.8
5 11	12 49.83	− 1 44.0	1.866	2.730	13.3	22.0

402897 2007 TW_{11} 4 9.9 207.°73 0.°3/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.89	−11 20.7	2.081	2.856	14.5	22.8
3 12	13 38.40	−10 57.6	1.980	2.850	11.6	22.6
3 22	13 31.63	−10 20.6	1.901	2.843	8.0	22.3
4 1	13 23.10	− 9 31.9	1.848	2.835	4.0	22.1
4 11	13 13.62	− 8 35.8	1.824	2.826	0.5	21.8
4 21	13 4.15	− 7 37.9	1.829	2.816	4.7	22.1
5 1	12 55.67	− 6 44.5	1.861	2.805	8.9	22.3
5 11	12 48.96	− 6 0.9	1.919	2.794	12.5	22.5

229963 1999 TX_{146} 4 9.9 105.°03 1.°3/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.85	− 5 20.2	2.321	3.107	12.9	20.6
3 12	13 37.75	− 4 58.0	2.251	3.130	10.0	20.5
3 22	13 30.78	− 4 28.5	2.206	3.153	6.7	20.3
4 1	13 22.51	− 3 55.0	2.187	3.176	3.2	20.1
4 11	13 13.71	− 3 21.7	2.198	3.198	1.6	20.0
4 21	13 5.19	− 2 52.5	2.239	3.219	4.8	20.3
5 1	12 57.67	− 2 31.2	2.308	3.240	8.0	20.5
5 11	12 51.74	− 2 20.1	2.403	3.260	10.9	20.8

126418 2002 BD_{29} 4 9.9 123.°84 3.°2/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.87	− 0 20.5	1.978	2.784	14.1	20.0
3 12	13 38.22	+ 0 7.6	1.902	2.792	11.0	19.8
3 22	13 31.36	+ 0 40.6	1.849	2.800	7.5	19.6
4 1	13 22.88	+ 1 14.0	1.822	2.807	4.1	19.4
4 11	13 13.67	+ 1 42.3	1.823	2.815	3.6	19.4
4 21	13 4.66	+ 2 1.0	1.852	2.822	6.6	19.6
5 1	12 56.78	+ 2 6.7	1.908	2.829	10.1	19.8
5 11	12 50.72	+ 1 57.8	1.987	2.835	13.3	20.0

206361 2003 QG_{52} 4 9.9 266.°49 2.°3/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.39	− 5 39.8	1.641	2.453	16.3	20.9
3 12	13 37.12	− 4 58.9	1.543	2.437	12.8	20.6
3 22	13 31.16	− 4 4.3	1.465	2.420	8.7	20.3
4 1	13 23.01	− 3 0.7	1.413	2.402	4.3	20.0
4 11	13 13.63	− 1 55.1	1.386	2.385	2.7	19.9
4 21	13 4.17	− 0 55.5	1.387	2.367	7.1	20.1
5 1	12 55.85	− 0 9.4	1.413	2.349	11.8	20.3
5 11	12 49.64	+ 0 18.1	1.460	2.330	16.0	20.5

94205 2001 BM_{25} 4 9.9 108.°06 0.°0/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.47	−10 47.2	2.217	2.996	13.7	20.6
3 12	13 36.08	−10 19.9	2.143	3.015	10.7	20.4
3 22	13 29.76	− 9 40.7	2.090	3.034	7.3	20.2
4 1	13 22.06	− 8 52.4	2.065	3.052	3.5	20.0
4 11	13 13.77	− 7 59.6	2.068	3.070	0.4	19.8
4 21	13 5.72	− 7 7.2	2.101	3.088	4.3	20.1
5 1	12 58.68	− 6 20.5	2.162	3.105	7.8	20.4
5 11	12 53.24	− 5 43.5	2.247	3.121	11.0	20.6

379757 2011 GB_{88} 4 9.9 167.°61 4.°1/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.12	+ 1 47.0	2.085	2.897	13.3	20.9
3 12	13 36.02	+ 2 36.9	2.006	2.899	10.4	20.7
3 22	13 29.85	+ 3 31.1	1.951	2.901	7.2	20.5
4 1	13 22.16	+ 4 24.1	1.921	2.903	4.6	20.3
4 11	13 13.75	+ 5 9.8	1.920	2.904	4.6	20.3
4 21	13 5.51	+ 5 42.9	1.947	2.905	7.3	20.5
5 1	12 58.26	+ 5 59.9	2.000	2.906	10.5	20.7
5 11	12 52.67	+ 5 59.3	2.075	2.906	13.4	20.9

199507 2006 DQ_{118} 4 9.9 163.°77 0.°1/10.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.56	−10 15.4	2.077	2.863	14.2	20.7
3 12	13 35.69	−10 0.5	1.987	2.864	11.3	20.5
3 22	13 29.71	− 9 33.6	1.920	2.865	7.7	20.3
4 1	13 22.13	− 8 57.0	1.879	2.867	3.8	20.0
4 11	13 13.76	− 8 14.8	1.866	2.868	0.4	19.7
4 21	13 5.48	− 7 32.1	1.881	2.868	4.6	20.1
5 1	12 58.20	− 6 54.0	1.923	2.869	8.5	20.3
5 11	12 52.60	− 6 25.1	1.990	2.870	11.9	20.5

215010 2008 EU_{18} 4 9.9 101.°54 2.°6/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.66	− 2 51.2	2.386	3.192	12.0	20.7
3 12	13 32.26	− 1 55.0	2.307	3.198	9.3	20.6
3 22	13 27.16	− 0 51.6	2.251	3.204	6.2	20.4
4 1	13 20.83	+ 0 14.4	2.223	3.210	3.3	20.2
4 11	13 13.93	+ 1 17.5	2.224	3.216	3.0	20.2
4 21	13 7.17	+ 2 12.5	2.253	3.222	5.7	20.4
5 1	13 1.24	+ 2 55.1	2.310	3.228	8.7	20.6
5 11	12 56.67	+ 3 22.7	2.391	3.234	11.5	20.7

4626 Plisetskaya 4 9.9 10.°72 0.°0/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.62	− 9 21.1	1.267	2.088	19.7	16.5
3 12	13 37.87	− 9 19.7	1.192	2.089	15.6	16.2
3 22	13 31.91	− 9 2.3	1.136	2.090	10.8	16.0
4 1	13 23.40	− 8 31.5	1.102	2.092	5.2	15.6
4 11	13 13.60	− 7 53.2	1.092	2.094	0.6	15.3
4 21	13 3.98	− 7 14.8	1.106	2.097	6.5	15.7
5 1	12 55.97	− 6 44.0	1.145	2.100	11.8	16.0
5 11	12 50.61	− 6 26.8	1.203	2.104	16.5	16.3

474798 2005 RD_{28} 4 9.9 281.°24 5.°5/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.62	−24 44.0	2.529	3.231	14.1	20.9
3 12	13 38.25	−25 31.6	2.402	3.205	12.1	20.7
3 22	13 31.65	−26 5.3	2.295	3.178	9.8	20.5
4 1	13 23.21	−26 22.4	2.212	3.151	7.4	20.3
4 11	13 13.61	−26 21.8	2.156	3.124	5.7	20.1
4 21	13 3.73	−26 4.4	2.128	3.097	6.0	20.1
5 1	12 54.52	−25 33.6	2.128	3.069	8.1	20.1
5 11	12 46.86	−24 55.0	2.154	3.041	10.8	20.3

24766 1993 FW_9 4 9.9 285.°39 1.°7/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.99	− 6 10.8	1.653	2.464	16.2	18.5
3 12	13 36.81	− 5 45.5	1.553	2.446	12.8	18.3
3 22	13 30.96	− 5 7.8	1.475	2.428	8.7	18.0
4 1	13 22.93	− 4 21.3	1.420	2.410	4.2	17.6
4 11	13 13.65	− 3 32.1	1.392	2.392	2.1	17.5
4 21	13 4.29	− 2 47.0	1.391	2.374	6.6	17.7
5 1	12 56.03	− 2 12.7	1.415	2.356	11.3	17.9
5 11	12 49.87	− 1 54.3	1.461	2.338	15.6	18.1

249563 2233 T_{-3} 4 9.9 170.°20 1.°0/10.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.97	−13 22.8	2.154	2.919	14.4	22.2
3 12	13 38.29	−13 6.7	2.062	2.924	11.5	22.0
3 22	13 31.44	−12 36.5	1.992	2.928	8.1	21.8
4 1	13 22.96	−11 53.9	1.948	2.932	4.2	21.6
4 11	13 13.67	−11 2.7	1.933	2.934	1.0	21.3
4 21	13 4.50	−10 8.0	1.947	2.936	4.3	21.6
5 1	12 56.35	− 9 15.7	1.990	2.937	8.2	21.8
5 11	12 49.93	− 8 31.0	2.058	2.937	11.6	22.0

293716 2007 QD_{17} 4 9.9 193.°06 1.°0/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.43	−13 16.6	2.355	3.125	13.2	21.1
3 12	13 34.60	−13 0.4	2.259	3.124	10.6	20.9
3 22	13 28.87	−12 31.4	2.185	3.123	7.4	20.7
4 1	13 21.71	−11 51.2	2.137	3.121	3.9	20.5
4 11	13 13.83	−11 3.2	2.118	3.119	1.0	20.3
4 21	13 6.02	−10 12.0	2.128	3.117	3.9	20.5
5 1	12 59.05	− 9 22.7	2.166	3.114	7.5	20.7
5 11	12 53.57	− 8 40.3	2.229	3.112	10.7	20.9

432821 2011 GU_{83} 4 9.9 306.°20 5.°0/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.79	+ 1 5.8	1.776	2.605	14.5	21.0
3 12	13 33.16	+ 2 20.5	1.689	2.592	11.4	20.8
3 22	13 28.22	+ 3 43.5	1.624	2.579	8.0	20.6
4 1	13 21.50	+ 5 7.6	1.585	2.566	5.3	20.4
4 11	13 13.85	+ 6 23.9	1.572	2.554	5.7	20.4
4 21	13 6.24	+ 7 24.6	1.585	2.542	8.8	20.5
5 1	12 59.66	+ 8 4.0	1.623	2.530	12.5	20.7
5 11	12 54.90	+ 8 19.6	1.682	2.518	15.8	20.9

233495 2007 DF_{48} 4 9.9 238.°98 6.°3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 45.83	−25 5.5	2.189	2.894	15.9	20.2
3 12	13 41.06	−26 2.5	2.078	2.882	13.7	20.0
3 22	13 33.72	−26 43.5	1.986	2.870	11.1	19.8
4 1	13 24.25	−27 5.1	1.919	2.857	8.4	19.6
4 11	13 13.50	−27 5.7	1.877	2.844	6.5	19.4
4 21	13 2.54	−26 46.5	1.863	2.831	6.8	19.4
5 1	12 52.52	−26 11.7	1.877	2.817	9.0	19.5
5 11	12 44.41	−25 28.3	1.915	2.803	11.9	19.7

333183 2012 DS_{79} 4 9.9 57.°10 4.°3/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.51	+ 0 23.9	1.567	2.391	16.3	20.3
3 12	13 37.77	+ 1 6.5	1.496	2.396	12.8	20.1
3 22	13 31.38	+ 1 55.4	1.446	2.401	8.8	19.9
4 1	13 23.00	+ 2 44.0	1.420	2.406	5.2	19.7
4 11	13 13.69	+ 3 24.7	1.421	2.411	4.9	19.7
4 21	13 4.63	+ 3 51.4	1.448	2.416	8.3	19.9
5 1	12 56.93	+ 3 59.6	1.499	2.421	12.2	20.1
5 11	12 51.41	+ 3 47.9	1.572	2.427	15.8	20.4

292107 2006 RY_{54} 4 9.9 153.°24 0.°0/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.86	− 8 58.7	2.572	3.349	12.0	21.4
3 12	13 35.46	− 8 53.1	2.481	3.353	9.5	21.2
3 22	13 29.31	− 8 39.1	2.414	3.357	6.5	21.0
4 1	13 21.88	− 8 18.4	2.373	3.361	3.1	20.8
4 11	13 13.83	− 7 54.1	2.362	3.364	0.4	20.6
4 21	13 5.86	− 7 29.5	2.380	3.367	3.9	20.9
5 1	12 58.70	− 7 8.3	2.428	3.370	7.1	21.1
5 11	12 52.91	− 6 53.6	2.500	3.373	10.1	21.3

203259 2001 QE_{165} 4 9.9 221.°72 5.°5/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.67	+ 7 27.5	2.409	3.223	11.6	20.8
3 12	13 33.89	+ 8 35.2	2.328	3.218	9.3	20.6
3 22	13 28.31	+ 9 43.7	2.272	3.212	7.0	20.4
4 1	13 21.42	+10 47.1	2.242	3.207	5.6	20.3
4 11	13 13.89	+11 39.1	2.240	3.201	6.1	20.4
4 21	13 6.45	+12 15.2	2.266	3.194	8.2	20.5
5 1	12 59.83	+12 32.4	2.318	3.188	10.7	20.6
5 11	12 54.62	+12 30.2	2.391	3.181	13.1	20.8

383700 2007 TV_{421} 4 9.9 125.°68 5.°3/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.01	−28 50.2	2.795	3.467	13.4	21.6
3 12	13 36.41	−29 9.9	2.705	3.483	11.5	21.5
3 22	13 29.97	−29 12.2	2.635	3.499	9.4	21.3
4 1	13 22.20	−28 56.0	2.589	3.514	7.2	21.2
4 11	13 13.80	−28 21.8	2.571	3.528	5.6	21.1
4 21	13 5.54	−27 32.6	2.580	3.543	5.5	21.1
5 1	12 58.14	−26 32.7	2.618	3.556	6.9	21.3
5 11	12 52.22	−25 28.2	2.682	3.569	8.9	21.4

178338 1995 UT_6 4 9.9 205.°85 5.°0/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.61	−30 17.1	3.502	4.150	11.3	21.6
3 12	13 35.88	−30 40.9	3.385	4.143	9.9	21.5
3 22	13 29.56	−30 50.5	3.288	4.135	8.2	21.3
4 1	13 22.02	−30 44.4	3.216	4.126	6.5	21.2
4 11	13 13.83	−30 22.5	3.172	4.117	5.3	21.1
4 21	13 5.61	−29 46.5	3.155	4.108	5.1	21.1
5 1	12 58.00	−28 59.4	3.168	4.097	6.2	21.1
5 11	12 51.54	−28 5.5	3.208	4.086	7.9	21.2

105327 2000 QF_{83} 4 9.9 241.°97 0.°0/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.72	− 9 49.2	2.788	3.562	11.3	20.6
3 12	13 33.80	− 9 27.6	2.677	3.547	8.9	20.4
3 22	13 28.23	− 8 56.4	2.589	3.532	6.1	20.2
4 1	13 21.40	− 8 17.6	2.529	3.516	3.0	19.9
4 11	13 13.91	− 7 34.5	2.498	3.500	0.4	19.7
4 21	13 6.39	− 6 50.7	2.497	3.483	3.8	19.9
5 1	12 59.52	− 6 10.5	2.525	3.466	7.0	20.1
5 11	12 53.87	− 5 37.6	2.579	3.449	9.9	20.3

434855 2006 SM_{203} 4 9.9 190.°41 1.°4/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.19	−13 27.1	2.615	3.374	12.3	21.8
3 12	13 35.79	−13 32.1	2.515	3.373	9.9	21.6
3 22	13 29.60	−13 26.5	2.439	3.372	7.0	21.4
4 1	13 22.06	−13 11.2	2.389	3.370	3.9	21.2
4 11	13 13.83	−12 48.5	2.369	3.368	1.4	21.0
4 21	13 5.65	−12 21.4	2.378	3.366	3.6	21.2
5 1	12 58.23	−11 53.9	2.415	3.364	6.8	21.4
5 11	12 52.19	−11 29.8	2.479	3.361	9.8	21.5

235003 2003 CL_7 4 9.9 108.°19 5.°6/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.25	+ 8 57.4	2.627	3.437	10.9	20.3
3 12	13 33.24	+10 22.6	2.571	3.457	8.7	20.1
3 22	13 27.68	+11 46.7	2.541	3.476	6.7	20.0
4 1	13 21.05	+13 3.3	2.539	3.495	5.6	20.0
4 11	13 13.97	+14 7.0	2.566	3.513	6.3	20.1
4 21	13 7.11	+14 53.6	2.620	3.531	8.0	20.2
5 1	13 1.07	+15 21.1	2.700	3.548	10.1	20.4
5 11	12 56.32	+15 29.4	2.802	3.565	12.0	20.5

378879 2008 TF_{147} 4 9.9 12.°37 0.°8/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.83	− 6 1.7	1.556	2.371	16.9	20.3
3 12	13 37.37	− 6 8.3	1.480	2.373	13.3	20.1
3 22	13 31.21	− 6 5.4	1.423	2.376	9.0	19.9
4 1	13 22.98	− 5 55.9	1.391	2.381	4.3	19.6
4 11	13 13.73	− 5 44.1	1.384	2.385	1.2	19.4
4 21	13 4.65	− 5 34.8	1.404	2.391	5.9	19.7
5 1	12 56.91	− 5 32.6	1.448	2.397	10.5	20.0
5 11	12 51.37	− 5 41.0	1.516	2.404	14.5	20.2

375873 2009 VQ_{50} 4 9.9 237.°36 1.°9/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.07	−15 49.7	2.001	2.770	15.2	21.0
3 12	13 35.57	−15 39.4	1.902	2.764	12.4	20.7
3 22	13 29.80	−15 12.4	1.824	2.757	8.9	20.5
4 1	13 22.27	−14 29.7	1.770	2.751	5.1	20.3
4 11	13 13.81	−13 34.6	1.744	2.744	2.0	20.0
4 21	13 5.37	−12 32.7	1.746	2.737	4.5	20.2
5 1	12 57.92	−11 30.5	1.776	2.729	8.5	20.4
5 11	12 52.25	−10 34.8	1.830	2.722	12.2	20.6

135476 2001 WN_{34} 4 9.9 81.°83 1.°6/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.73	− 7 29.0	1.773	2.579	15.5	20.2
3 12	13 35.25	− 6 39.3	1.701	2.592	12.1	19.9
3 22	13 29.47	− 5 36.7	1.652	2.605	8.1	19.7
4 1	13 22.03	− 4 26.1	1.628	2.618	3.8	19.5
4 11	13 13.86	− 3 14.6	1.631	2.631	2.0	19.4
4 21	13 5.94	− 2 9.2	1.662	2.643	5.9	19.7
5 1	12 59.21	− 1 16.5	1.719	2.656	9.9	19.9
5 11	12 54.36	− 0 40.4	1.799	2.669	13.5	20.2

329314 2000 SV_{204} 4 9.9 258.°69 1.°0/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.69	− 8 12.9	2.237	3.024	13.3	22.0
3 12	13 35.87	− 7 33.8	2.121	3.001	10.5	21.8
3 22	13 29.95	− 6 42.2	2.028	2.976	7.2	21.5
4 1	13 22.35	− 5 41.0	1.962	2.951	3.4	21.2
4 11	13 13.80	− 4 35.3	1.925	2.926	1.3	21.0
4 21	13 5.14	− 3 30.8	1.917	2.899	5.2	21.3
5 1	12 57.26	− 2 33.7	1.937	2.872	9.1	21.4
5 11	12 50.92	− 1 49.0	1.981	2.844	12.7	21.6

331148 2010 WT_{55} 4 9.9 343.°76 10.°6/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.74	+14 26.5	1.504	2.340	16.3	20.0
3 12	13 35.84	+16 1.2	1.442	2.335	13.6	19.8
3 22	13 30.20	+17 30.5	1.401	2.330	11.4	19.7
4 1	13 22.49	+18 43.0	1.383	2.326	10.6	19.6
4 11	13 13.80	+19 28.4	1.388	2.322	11.6	19.7
4 21	13 5.35	+19 40.8	1.416	2.319	14.0	19.8
5 1	12 58.30	+19 18.9	1.464	2.316	16.8	19.9
5 11	12 53.48	+18 25.6	1.530	2.314	19.5	20.1

16733 1996 HM_{22} 4 9.9 303.°69 0.°9/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.71	− 7 42.5	1.351	2.173	18.6	18.5
3 12	13 37.28	− 7 32.0	1.256	2.154	14.9	18.2
3 22	13 31.70	− 7 6.5	1.180	2.135	10.2	17.9
4 1	13 23.47	− 6 29.0	1.126	2.117	4.9	17.5
4 11	13 13.66	− 5 45.5	1.097	2.098	1.4	17.2
4 21	13 3.67	− 5 3.6	1.092	2.080	7.0	17.5
5 1	12 55.02	− 4 31.3	1.111	2.063	12.6	17.7
5 11	12 48.90	− 4 15.1	1.151	2.046	17.5	18.0

251792 1999 SY_{20} 4 9.9 197.°67 1.°3/11.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 43.30	−13 23.9	2.002	2.772	15.2	22.3
3 12	13 38.84	−13 19.7	1.905	2.770	12.2	22.0
3 22	13 32.01	−13 1.2	1.830	2.766	8.7	21.8
4 1	13 23.34	−12 29.5	1.780	2.763	4.6	21.6
4 11	13 13.70	−11 47.9	1.757	2.758	1.3	21.3
4 21	13 4.09	−11 1.5	1.764	2.753	4.6	21.5
5 1	12 55.53	−10 16.0	1.798	2.747	8.7	21.8
5 11	12 48.83	− 9 37.3	1.857	2.741	12.4	22.0

269822 1999 XO_{251} 4 9.9 195.°09 4.°8/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.18	+ 5 52.5	2.443	3.248	11.8	21.4
3 12	13 36.56	+ 6 40.9	2.359	3.246	9.3	21.2
3 22	13 30.10	+ 7 30.3	2.300	3.243	6.8	21.1
4 1	13 22.29	+ 8 15.4	2.268	3.240	4.9	20.9
4 11	13 13.83	+ 8 51.1	2.265	3.236	5.3	21.0
4 21	13 5.49	+ 9 13.1	2.290	3.232	7.4	21.1
5 1	12 58.00	+ 9 19.0	2.342	3.227	10.1	21.2
5 11	12 51.98	+ 9 8.0	2.417	3.222	12.6	21.4

513125 1997 GC_{32} 4 9.9 308.°03 2.°3/ 8.4 18 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 50.22	− 9 10.9	1.449	2.242	19.0	21.9
3 12	13 46.87	− 8 16.9	1.288	2.170	15.7	21.5
3 22	13 39.58	− 6 54.2	1.146	2.095	11.3	21.0
4 1	13 28.14	− 5 0.8	1.028	2.018	5.7	20.4
4 11	13 12.98	− 2 40.4	0.937	1.937	3.0	20.0
4 21	12 55.33	− 0 3.8	0.873	1.852	10.2	20.1
5 1	12 37.26	+ 2 31.0	0.836	1.765	18.5	20.2
5 11	12 21.10	+ 4 45.4	0.820	1.675	26.6	20.3

320400 2007 UY_{108} 4 9.9 299.°30 0.°0/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.09	−10 33.5	2.102	2.892	14.0	21.4
3 12	13 33.82	−10 12.0	2.008	2.887	11.1	21.2
3 22	13 28.50	− 9 37.9	1.935	2.881	7.6	21.0
4 1	13 21.61	− 8 53.6	1.889	2.876	3.7	20.7
4 11	13 13.92	− 8 3.4	1.869	2.871	0.4	20.4
4 21	13 6.29	− 7 12.6	1.878	2.866	4.5	20.8
5 1	12 59.57	− 6 26.7	1.915	2.862	8.4	21.0
5 11	12 54.45	− 5 50.6	1.975	2.857	11.9	21.2

500958 2013 QG_{37} 4 9.9 185.°07 2.°7/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.59	− 3 27.9	2.112	2.916	13.4	22.8
3 12	13 35.64	− 2 34.4	2.026	2.916	10.5	22.6
3 22	13 29.65	− 1 32.0	1.963	2.915	7.0	22.4
4 1	13 22.13	− 0 25.4	1.927	2.915	3.7	22.2
4 11	13 13.86	+ 0 39.0	1.920	2.914	3.1	22.2
4 21	13 5.71	+ 1 35.1	1.941	2.912	6.2	22.3
5 1	12 58.53	+ 2 18.0	1.989	2.910	9.7	22.5
5 11	12 52.96	+ 2 44.6	2.060	2.907	12.9	22.7

483471 2002 LS_{32} 4 9.9 139.°29 2.°8/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 56.69	−20 21.5	2.129	2.838	16.2	23.1
3 12	13 48.83	−19 54.0	2.045	2.866	13.3	22.9
3 22	13 38.46	−19 6.1	1.982	2.892	9.7	22.7
4 1	13 26.29	−17 58.4	1.947	2.916	5.8	22.5
4 11	13 13.38	−16 35.0	1.943	2.938	2.8	22.4
4 21	13 0.90	−15 2.6	1.971	2.957	4.6	22.5
5 1	12 49.88	−13 29.6	2.030	2.973	8.3	22.8
5 11	12 41.07	−12 4.0	2.118	2.988	11.7	23.0

55924 1998 FE_{55} 4 9.9 66.°74 1.°0/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.02	−11 10.1	2.228	3.003	13.7	19.4
3 12	13 36.68	−11 21.1	2.141	3.010	10.9	19.2
3 22	13 30.32	−11 21.7	2.077	3.017	7.6	19.0
4 1	13 22.44	−11 13.4	2.039	3.024	3.9	18.8
4 11	13 13.83	−10 58.5	2.029	3.031	1.0	18.6
4 21	13 5.33	−10 40.6	2.049	3.038	4.1	18.8
5 1	12 57.79	−10 23.6	2.096	3.045	7.7	19.1
5 11	12 51.85	−10 11.3	2.168	3.052	10.9	19.3

281167 2007 EN_{39} 4 9.9 21.°56 0.°9/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 44.36	− 8 23.6	1.415	2.223	18.6	19.3
3 12	13 40.44	− 9 1.8	1.342	2.230	14.8	19.1
3 22	13 33.47	− 9 29.8	1.289	2.238	10.3	18.9
4 1	13 24.13	− 9 48.2	1.259	2.247	5.2	18.6
4 11	13 13.63	− 9 59.6	1.254	2.256	0.9	18.3
4 21	13 3.35	−10 7.4	1.276	2.266	5.7	18.7
5 1	12 54.63	−10 16.2	1.322	2.278	10.6	19.0
5 11	12 48.44	−10 30.2	1.391	2.289	14.9	19.2

123933 2001 EE_{14} 4 9.9 290.°81 4.°4/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.90	+ 2 49.1	1.962	2.774	14.0	19.1
3 12	13 37.85	+ 3 18.7	1.859	2.752	11.1	18.8
3 22	13 31.44	+ 3 51.7	1.779	2.729	7.8	18.6
4 1	13 23.12	+ 4 23.0	1.725	2.707	5.0	18.4
4 11	13 13.74	+ 4 46.5	1.699	2.684	4.9	18.3
4 21	13 4.28	+ 4 57.3	1.699	2.661	7.8	18.4
5 1	12 55.76	+ 4 51.6	1.726	2.639	11.5	18.6
5 11	12 49.05	+ 4 28.1	1.775	2.616	14.9	18.8

290603 2005 UC_{195} 4 9.9 166.°82 1.°3/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.24	− 6 39.7	2.017	2.814	14.2	22.0
3 12	13 36.27	− 6 7.7	1.932	2.817	11.1	21.8
3 22	13 30.13	− 5 25.2	1.868	2.819	7.5	21.5
4 1	13 22.38	− 4 35.8	1.831	2.821	3.5	21.3
4 11	13 13.84	− 3 44.9	1.822	2.822	1.7	21.2
4 21	13 5.43	− 2 58.1	1.842	2.824	5.4	21.4
5 1	12 58.05	− 2 20.6	1.888	2.824	9.2	21.7
5 11	12 52.39	− 1 56.2	1.959	2.825	12.7	21.9

136981 1998 SF_3 4 9.9 254.°37 1.°6/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.80	− 5 22.3	1.841	2.641	15.2	20.6
3 12	13 38.71	− 5 5.0	1.741	2.628	12.0	20.3
3 22	13 32.09	− 4 38.0	1.663	2.614	8.2	20.1
4 1	13 23.46	− 4 4.6	1.610	2.599	3.9	19.8
4 11	13 13.70	− 3 29.7	1.585	2.585	1.9	19.6
4 21	13 3.89	− 2 58.9	1.587	2.570	6.0	19.8
5 1	12 55.14	− 2 37.5	1.617	2.554	10.4	20.0
5 11	12 48.34	− 2 29.3	1.669	2.539	14.3	20.2

139565 2001 QL_{77} 4 9.9 175.°51 0.°7/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.00	− 6 56.0	3.289	4.063	9.7	21.6
3 12	13 33.61	− 6 29.8	3.193	4.066	7.6	21.4
3 22	13 27.87	− 5 57.1	3.123	4.068	5.1	21.2
4 1	13 21.17	− 5 20.1	3.082	4.070	2.4	21.1
4 11	13 14.00	− 4 41.8	3.071	4.071	0.9	20.9
4 21	13 6.90	− 4 5.3	3.091	4.072	3.5	21.1
5 1	13 0.41	− 3 33.6	3.140	4.072	6.2	21.3
5 11	12 54.96	− 3 9.4	3.216	4.071	8.5	21.5

175817 1999 RV_{236} 4 9.9 284.°38 4.°9/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.29	+ 3 44.0	2.397	3.214	11.6	19.9
3 12	13 32.22	+ 5 4.9	2.295	3.190	9.2	19.7
3 22	13 27.33	+ 6 31.5	2.217	3.165	6.7	19.5
4 1	13 21.05	+ 7 57.7	2.167	3.140	5.0	19.4
4 11	13 14.00	+ 9 16.5	2.145	3.115	5.6	19.4
4 21	13 6.91	+10 21.6	2.151	3.090	8.0	19.5
5 1	13 0.52	+11 8.5	2.183	3.064	10.8	19.6
5 11	12 55.48	+11 34.7	2.238	3.039	13.5	19.7

285683 2000 SR_{151} 4 9.9 162.°57 0.°2/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 35.79	−10 44.1	3.234	4.002	10.0	22.1
3 12	13 31.93	−10 0.0	3.141	4.008	7.8	22.0
3 22	13 26.74	− 9 6.6	3.072	4.014	5.3	21.8
4 1	13 20.62	− 8 6.3	3.032	4.019	2.5	21.6
4 11	13 14.07	− 7 2.6	3.022	4.024	0.4	21.4
4 21	13 7.61	− 5 59.6	3.043	4.028	3.3	21.7
5 1	13 1.75	− 5 1.1	3.094	4.032	6.0	21.9
5 11	12 56.94	− 4 10.5	3.172	4.035	8.4	22.0

173859 2001 TL_{182} 4 9.9 165.°79 0.°9/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.85	−12 6.1	2.679	3.442	11.9	20.9
3 12	13 35.44	−12 4.3	2.584	3.446	9.5	20.8
3 22	13 29.31	−11 52.6	2.513	3.449	6.6	20.6
4 1	13 21.92	−11 32.3	2.468	3.451	3.5	20.4
4 11	13 13.91	−11 6.0	2.453	3.454	0.9	20.2
4 21	13 5.97	−10 37.0	2.467	3.456	3.5	20.4
5 1	12 58.79	−10 8.9	2.511	3.458	6.7	20.6
5 11	12 52.94	− 9 45.4	2.581	3.459	9.6	20.8

425819 2011 DV_{39} 4 9.9 310.°75 1.°8/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.31	−14 11.7	1.740	2.527	16.5	21.2
3 12	13 35.37	−14 11.9	1.644	2.517	13.4	21.0
3 22	13 29.90	−13 55.7	1.568	2.508	9.6	20.7
4 1	13 22.42	−13 23.7	1.515	2.498	5.3	20.4
4 11	13 13.84	−12 39.6	1.489	2.489	1.8	20.2
4 21	13 5.24	−11 48.7	1.490	2.481	5.0	20.4
5 1	12 57.74	−10 58.3	1.516	2.472	9.4	20.6
5 11	12 52.24	−10 15.0	1.566	2.464	13.5	20.8

112254 2002 LD_{12} 4 9.9 325.°88 3.°6/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.79	− 3 27.1	1.329	2.166	18.0	19.4
3 12	13 34.78	− 2 38.7	1.247	2.155	14.1	19.1
3 22	13 29.82	− 1 36.6	1.184	2.144	9.6	18.9
4 1	13 22.47	− 0 27.5	1.144	2.134	5.1	18.6
4 11	13 13.83	+ 0 39.2	1.128	2.124	4.3	18.5
4 21	13 5.24	+ 1 33.9	1.137	2.115	8.6	18.7
5 1	12 58.04	+ 2 8.9	1.169	2.106	13.5	18.9
5 11	12 53.24	+ 2 19.9	1.220	2.099	17.9	19.2

361119 2006 FN_{27} 4 9.9 267.°18 0.°8/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 43.94	− 6 54.0	1.597	2.401	17.0	21.8
3 12	13 40.05	− 6 51.1	1.500	2.388	13.5	21.6
3 22	13 33.27	− 6 36.9	1.424	2.375	9.3	21.3
4 1	13 24.12	− 6 14.3	1.372	2.361	4.5	20.9
4 11	13 13.63	− 5 47.7	1.346	2.348	1.2	20.7
4 21	13 3.05	− 5 22.9	1.347	2.334	6.2	21.0
5 1	12 53.70	− 5 5.7	1.374	2.320	11.2	21.2
5 11	12 46.63	− 5 0.8	1.423	2.306	15.6	21.4

471457 2011 UW_{194} 4 9.9 196.°76 3.°1/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.02	−21 7.1	2.813	3.539	12.3	21.9
3 12	13 33.28	−21 4.5	2.709	3.537	10.2	21.8
3 22	13 27.89	−20 47.4	2.627	3.535	7.7	21.6
4 1	13 21.26	−20 15.9	2.570	3.533	5.1	21.4
4 11	13 14.00	−19 32.0	2.542	3.530	3.2	21.3
4 21	13 6.78	−18 38.9	2.542	3.527	3.8	21.3
5 1	13 0.28	−17 41.3	2.572	3.524	6.3	21.5
5 11	12 55.05	−16 44.1	2.628	3.520	8.9	21.6

416966 2005 SX_{277} 4 9.9 98.°99 4.°4/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.80	−22 11.0	2.040	2.776	16.0	21.1
3 12	13 36.84	−22 25.1	1.956	2.788	13.4	21.0
3 22	13 30.59	−22 20.2	1.892	2.799	10.2	20.8
4 1	13 22.63	−21 55.6	1.851	2.811	7.0	20.6
4 11	13 13.84	−21 13.2	1.837	2.823	4.6	20.5
4 21	13 5.22	−20 17.4	1.851	2.834	5.2	20.5
5 1	12 57.72	−19 14.8	1.891	2.845	8.0	20.7
5 11	12 52.07	−18 12.6	1.957	2.856	11.2	20.9

259399 2003 QG_5 4 9.9 198.°58 0.°5/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.63	−12 6.4	2.134	2.906	14.3	21.6
3 12	13 38.15	−11 43.5	2.035	2.902	11.4	21.4
3 22	13 31.46	−11 6.6	1.958	2.898	8.0	21.1
4 1	13 23.07	−10 17.7	1.907	2.892	4.0	20.9
4 11	13 13.79	− 9 21.0	1.885	2.886	0.6	20.6
4 21	13 4.56	− 8 22.0	1.892	2.880	4.5	20.9
5 1	12 56.30	− 7 26.8	1.927	2.872	8.5	21.1
5 11	12 49.76	− 6 40.7	1.987	2.863	12.1	21.3

501111 2013 TE_8 4 9.9 167.°10 1.°9/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 43.42	− 2 40.4	2.537	3.323	11.9	22.3
3 12	13 38.21	− 2 20.4	2.449	3.329	9.3	22.1
3 22	13 31.18	− 1 55.2	2.386	3.333	6.3	21.9
4 1	13 22.82	− 1 27.8	2.350	3.337	3.2	21.7
4 11	13 13.83	− 1 2.2	2.344	3.341	2.2	21.6
4 21	13 4.97	− 0 41.9	2.369	3.343	5.0	21.8
5 1	12 56.97	− 0 30.0	2.422	3.346	8.1	22.0
5 11	12 50.42	− 0 28.5	2.501	3.347	10.9	22.2

513028 2017 VV_3 4 9.9 174.°19 3.°4/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.80	−21 30.1	2.749	3.470	12.6	21.6
3 12	13 34.72	−21 39.4	2.648	3.472	10.5	21.5
3 22	13 28.89	−21 34.3	2.569	3.474	8.0	21.3
4 1	13 21.75	−21 14.8	2.516	3.475	5.5	21.2
4 11	13 13.96	−20 42.1	2.490	3.475	3.6	21.0
4 21	13 6.21	−19 59.4	2.494	3.476	4.1	21.1
5 1	12 59.21	−19 10.8	2.526	3.476	6.5	21.2
5 11	12 53.56	−18 21.6	2.585	3.476	9.1	21.4

322976 2002 MJ_3 4 9.9 218.°64 18.°3/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 48.09	+28 22.6	1.239	2.051	20.5	20.5
3 12	13 44.16	+31 3.3	1.199	2.047	19.0	20.4
3 22	13 36.38	+33 22.4	1.176	2.042	18.3	20.3
4 1	13 25.62	+35 2.1	1.173	2.037	18.7	20.3
4 11	13 13.50	+35 49.3	1.188	2.031	20.1	20.4
4 21	13 1.86	+35 39.9	1.219	2.024	22.1	20.5
5 1	12 52.39	+34 37.3	1.265	2.018	24.2	20.7
5 11	12 46.12	+32 50.7	1.323	2.010	26.2	20.8

423576 2005 VX_{50} 4 9.9 172.°32 2.°0/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.18	− 4 43.3	2.341	3.134	12.6	22.6
3 12	13 35.88	− 3 56.2	2.253	3.137	9.8	22.4
3 22	13 29.70	− 3 0.4	2.190	3.140	6.6	22.2
4 1	13 22.14	− 2 0.1	2.155	3.143	3.3	22.0
4 11	13 13.92	− 1 0.5	2.148	3.145	2.3	21.9
4 21	13 5.82	− 0 7.1	2.171	3.146	5.4	22.1
5 1	12 58.61	+ 0 35.8	2.222	3.146	8.7	22.3
5 11	12 52.89	+ 1 4.8	2.298	3.146	11.7	22.5

520264 2014 ER_{109} 4 9.9 198.°58 2.°5/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.46	−18 50.8	2.416	3.165	13.5	21.8
3 12	13 33.10	−18 36.4	2.318	3.164	11.0	21.6
3 22	13 27.89	−18 5.9	2.241	3.163	8.1	21.4
4 1	13 21.30	−17 20.1	2.190	3.162	5.0	21.2
4 11	13 14.01	−16 22.0	2.166	3.161	2.6	21.1
4 21	13 6.80	−15 16.2	2.171	3.160	3.9	21.1
5 1	13 0.42	−14 8.3	2.205	3.159	7.0	21.3
5 11	12 55.48	−13 4.3	2.264	3.158	10.1	21.5

379768 2011 HL_{21} 4 9.9 9.°42 1.°0/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.27	−12 36.4	1.846	2.635	15.6	20.8
3 12	13 35.04	−12 25.4	1.759	2.635	12.5	20.6
3 22	13 29.48	−11 59.4	1.692	2.635	8.7	20.3
4 1	13 22.14	−11 20.2	1.651	2.636	4.5	20.1
4 11	13 13.91	−10 32.2	1.636	2.637	1.0	19.8
4 21	13 5.78	− 9 41.0	1.648	2.638	4.7	20.1
5 1	12 58.74	− 8 53.1	1.687	2.640	8.9	20.3
5 11	12 53.56	− 8 14.1	1.750	2.641	12.7	20.6

391708 2008 CJ_{10} 4 9.9 301.°59 9.°3/16.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 47.21	−32 28.4	2.356	3.006	16.1	20.8
3 12	13 42.47	−34 7.5	2.237	2.986	14.5	20.6
3 22	13 34.97	−35 31.8	2.137	2.965	12.6	20.5
4 1	13 25.06	−36 35.5	2.059	2.944	10.8	20.3
4 11	13 13.53	−37 14.3	2.006	2.924	9.6	20.2
4 21	13 1.47	−37 26.6	1.979	2.903	9.5	20.1
5 1	12 50.18	−37 14.3	1.978	2.883	10.6	20.2
5 11	12 40.80	−36 43.6	2.000	2.863	12.6	20.2

41682 2000 UP_{10} 4 9.9 187.°32 1.°7/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.28	−16 41.2	2.756	3.506	12.0	19.7
3 12	13 32.67	−16 21.2	2.655	3.506	9.7	19.6
3 22	13 27.45	−15 47.9	2.578	3.505	7.0	19.4
4 1	13 21.04	−15 2.5	2.527	3.504	4.0	19.2
4 11	13 14.05	−14 8.1	2.505	3.503	1.7	19.0
4 21	13 7.12	−13 8.5	2.512	3.502	3.4	19.2
5 1	13 0.90	−12 8.7	2.549	3.500	6.4	19.3
5 11	12 55.93	−11 13.3	2.612	3.498	9.2	19.5

268475 2005 XN_{52} 4 9.9 171.°94 1.°3/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.23	−13 39.1	2.257	3.022	13.8	21.6
3 12	13 36.88	−13 31.0	2.163	3.025	11.1	21.4
3 22	13 30.49	−13 9.8	2.092	3.027	7.8	21.2
4 1	13 22.56	−12 36.8	2.047	3.029	4.2	20.9
4 11	13 13.87	−11 55.3	2.030	3.031	1.3	20.7
4 21	13 5.26	−11 9.6	2.042	3.032	4.1	20.9
5 1	12 57.58	−10 25.1	2.083	3.032	7.7	21.2
5 11	12 51.52	− 9 46.5	2.149	3.032	11.0	21.4

167596 2004 BL_{116} 4 9.9 191.°87 5.°1/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.80	+ 6 25.2	2.386	3.198	11.8	20.2
3 12	13 34.77	+ 7 23.7	2.307	3.197	9.4	20.1
3 22	13 28.93	+ 8 23.1	2.253	3.196	6.9	19.9
4 1	13 21.76	+ 9 17.9	2.225	3.194	5.2	19.8
4 11	13 13.97	+10 2.1	2.226	3.192	5.7	19.8
4 21	13 6.30	+10 31.5	2.254	3.190	7.8	19.9
5 1	12 59.49	+10 43.4	2.308	3.188	10.4	20.1
5 11	12 54.12	+10 37.1	2.385	3.186	12.8	20.3

246874 1994 UE_7 4 9.9 245.°86 0.°4/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.80	−11 10.8	2.883	3.650	11.1	21.6
3 12	13 33.84	−10 54.8	2.768	3.634	8.8	21.4
3 22	13 28.27	−10 29.2	2.677	3.617	6.1	21.2
4 1	13 21.47	− 9 55.4	2.614	3.599	3.1	21.0
4 11	13 14.00	− 9 16.2	2.580	3.582	0.4	20.7
4 21	13 6.49	− 8 35.2	2.576	3.563	3.5	21.0
5 1	12 59.61	− 7 56.4	2.601	3.545	6.7	21.1
5 11	12 53.90	− 7 23.3	2.652	3.526	9.5	21.3

358967 2008 RE_{26} 4 9.9 211.°46 0.°5/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.63	−12 44.4	1.770	2.552	16.5	22.2
3 12	13 38.68	−12 16.1	1.673	2.546	13.2	21.9
3 22	13 32.11	−11 30.0	1.597	2.539	9.2	21.7
4 1	13 23.49	−10 28.4	1.545	2.532	4.6	21.4
4 11	13 13.75	− 9 16.5	1.521	2.523	0.6	21.0
4 21	13 4.04	− 8 1.6	1.525	2.514	5.3	21.4
5 1	12 55.48	− 6 51.8	1.556	2.504	9.9	21.6
5 11	12 48.99	− 5 54.3	1.611	2.493	14.1	21.8

456737 2007 TU_{15} 4 9.9 122.°94 1.°4/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 44.08	−14 51.0	2.019	2.781	15.4	22.4
3 12	13 39.17	−14 30.4	1.943	2.802	12.3	22.2
3 22	13 32.02	−13 53.9	1.888	2.822	8.6	22.0
4 1	13 23.26	−13 3.5	1.859	2.841	4.6	21.8
4 11	13 13.80	−12 3.6	1.858	2.859	1.4	21.6
4 21	13 4.62	−11 0.1	1.887	2.876	4.4	21.9
5 1	12 56.63	− 9 59.3	1.944	2.892	8.2	22.1
5 11	12 50.50	− 9 7.2	2.026	2.908	11.6	22.4

336280 2008 SC_{249} 4 9.9 228.°71 4.°9/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.84	+ 3 42.3	2.362	3.174	11.9	20.9
3 12	13 34.14	+ 5 4.2	2.271	3.163	9.4	20.7
3 22	13 28.59	+ 6 31.1	2.205	3.152	6.8	20.5
4 1	13 21.65	+ 7 56.5	2.167	3.140	5.0	20.4
4 11	13 13.98	+ 9 13.6	2.157	3.128	5.6	20.4
4 21	13 6.36	+10 16.2	2.176	3.115	7.9	20.5
5 1	12 59.53	+11 0.2	2.221	3.101	10.7	20.7
5 11	12 54.12	+11 23.6	2.289	3.087	13.4	20.8

135113 2001 QH_{113} 4 9.9 288.°73 5.°3/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.67	−24 31.4	2.219	2.940	15.3	19.2
3 12	13 35.24	−24 58.0	2.115	2.932	13.0	19.0
3 22	13 29.60	−25 6.6	2.030	2.925	10.3	18.8
4 1	13 22.23	−24 55.3	1.969	2.917	7.5	18.6
4 11	13 13.91	−24 24.7	1.934	2.910	5.5	18.5
4 21	13 5.55	−23 37.8	1.926	2.903	5.7	18.5
5 1	12 58.10	−22 39.8	1.945	2.896	8.1	18.6
5 11	12 52.36	−21 38.0	1.989	2.889	11.0	18.8

54177 2000 HX_{61} 4 9.9 63.°00 0.°0/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.37	− 9 57.0	2.138	2.926	13.8	19.9
3 12	13 34.74	− 9 41.2	2.049	2.927	10.9	19.7
3 22	13 29.08	− 9 13.9	1.982	2.928	7.5	19.5
4 1	13 21.90	− 8 37.6	1.941	2.929	3.6	19.2
4 11	13 13.97	− 7 56.3	1.928	2.930	0.4	18.9
4 21	13 6.13	− 7 14.7	1.944	2.932	4.4	19.3
5 1	12 59.23	− 6 37.9	1.987	2.933	8.2	19.5
5 11	12 53.94	− 6 10.2	2.054	2.934	11.6	19.7

320560 2008 AO_{64} 4 9.9 330.°90 3.°1/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.36	− 5 2.0	1.377	2.212	17.6	20.8
3 12	13 33.54	− 4 7.4	1.294	2.201	13.8	20.6
3 22	13 28.90	− 2 57.1	1.231	2.191	9.3	20.3
4 1	13 22.02	− 1 37.7	1.192	2.182	4.7	20.0
4 11	13 13.94	− 0 18.5	1.177	2.173	3.7	19.9
4 21	13 5.93	+ 0 50.4	1.186	2.165	8.1	20.1
5 1	12 59.23	+ 1 40.6	1.220	2.158	13.0	20.4
5 11	12 54.81	+ 2 7.1	1.273	2.152	17.3	20.6

340764 2006 SS_{324} 4 9.9 66.°88 1.°2/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.93	− 7 6.0	2.195	2.992	13.2	21.1
3 12	13 33.41	− 6 28.4	2.121	3.006	10.2	20.9
3 22	13 28.04	− 5 41.0	2.070	3.021	6.8	20.7
4 1	13 21.34	− 4 47.6	2.045	3.035	3.2	20.5
4 11	13 14.05	− 3 53.2	2.049	3.049	1.5	20.4
4 21	13 6.97	− 3 3.2	2.082	3.064	4.9	20.6
5 1	13 0.82	− 2 22.2	2.141	3.078	8.3	20.9
5 11	12 56.18	− 1 53.4	2.226	3.093	11.3	21.1

135143 2001 QX_{204} 4 9.9 154.°18 3.°2/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 39.02	−20 53.4	2.638	3.365	13.0	20.9
3 12	13 34.93	−20 57.3	2.541	3.370	10.7	20.7
3 22	13 29.05	−20 46.5	2.467	3.375	8.1	20.6
4 1	13 21.85	−20 20.7	2.418	3.380	5.4	20.4
4 11	13 13.99	−19 42.0	2.397	3.385	3.4	20.3
4 21	13 6.21	−18 53.8	2.405	3.389	4.1	20.3
5 1	12 59.24	−18 0.6	2.441	3.393	6.6	20.5
5 11	12 53.67	−17 7.9	2.504	3.396	9.3	20.7

93852 2000 WS_{96} 4 9.9 149.°09 2.°2/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 40.59	− 3 26.1	2.374	3.168	12.4	20.5
3 12	13 36.12	− 2 46.8	2.293	3.178	9.6	20.3
3 22	13 29.82	− 2 0.6	2.236	3.186	6.5	20.2
4 1	13 22.19	− 1 11.5	2.206	3.194	3.3	20.0
4 11	13 13.96	− 0 24.2	2.206	3.202	2.5	19.9
4 21	13 5.89	+ 0 16.5	2.235	3.208	5.4	20.1
5 1	12 58.72	+ 0 46.7	2.292	3.215	8.5	20.3
5 11	12 53.03	+ 1 4.0	2.374	3.221	11.4	20.5

13713 1998 QN_{30} 4 9.9 256.°45 0.°8/ 9.3 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 42.00	− 9 12.9	1.627	2.428	16.9	18.9
3 12	13 38.57	− 8 40.8	1.524	2.410	13.5	18.6
3 22	13 32.31	− 7 52.0	1.440	2.390	9.3	18.3
4 1	13 23.72	− 6 49.6	1.381	2.371	4.4	18.0
4 11	13 13.77	− 5 39.6	1.349	2.350	1.2	17.7
4 21	13 3.67	− 4 30.2	1.343	2.329	6.3	18.0
5 1	12 54.70	− 3 29.9	1.364	2.307	11.4	18.2
5 11	12 47.91	− 2 45.5	1.406	2.285	16.0	18.4

42094 2001 AO_{24} 4 9.9 210.°73 2.°9/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 41.78	− 3 11.6	1.760	2.570	15.4	19.2
3 12	13 37.87	− 2 28.8	1.674	2.567	12.1	19.0
3 22	13 31.47	− 1 36.3	1.609	2.563	8.2	18.7
4 1	13 23.16	− 0 39.2	1.570	2.559	4.3	18.5
4 11	13 13.86	+ 0 15.6	1.559	2.554	3.4	18.4
4 21	13 4.66	+ 1 1.3	1.575	2.549	7.0	18.6
5 1	12 56.62	+ 1 32.4	1.616	2.544	11.1	18.9
5 11	12 50.57	+ 1 45.5	1.680	2.538	14.8	19.1

506197 2016 GG_{190} 4 9.9 328.°27 0.°5/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.02	−11 44.2	1.581	2.391	16.9	21.0
3 12	13 32.16	−10 50.8	1.491	2.382	13.4	20.7
3 22	13 27.79	− 9 36.4	1.420	2.373	9.2	20.5
4 1	13 21.44	− 8 5.3	1.374	2.364	4.4	20.1
4 11	13 14.06	− 6 25.3	1.354	2.356	0.9	19.9
4 21	13 6.73	− 4 46.0	1.361	2.348	6.0	20.2
5 1	13 0.56	− 3 17.5	1.392	2.341	10.8	20.4
5 11	12 56.40	− 2 7.5	1.446	2.335	15.0	20.7

262040 2006 QS_{149} 4 9.9 223.°52 1.°5/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 41.43	− 6 43.3	2.054	2.847	14.1	22.1
3 12	13 37.32	− 6 4.8	1.954	2.837	11.1	21.9
3 22	13 30.98	− 5 14.9	1.877	2.827	7.5	21.7
4 1	13 22.91	− 4 17.0	1.826	2.815	3.6	21.4
4 11	13 13.90	− 3 16.9	1.804	2.803	1.8	21.2
4 21	13 4.90	− 2 20.4	1.810	2.791	5.6	21.5
5 1	12 56.84	− 1 33.7	1.844	2.777	9.6	21.7
5 11	12 50.51	− 1 1.0	1.902	2.763	13.2	21.9

457564 2008 YU_{107} 4 9.9 124.°75 4.°3/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 43.59	−19 45.1	1.628	2.389	18.6	21.8
3 12	13 39.67	−20 5.0	1.546	2.396	15.4	21.6
3 22	13 32.90	−20 4.1	1.482	2.403	11.5	21.4
4 1	13 23.91	−19 41.3	1.441	2.410	7.5	21.1
4 11	13 13.78	−18 58.8	1.425	2.416	4.4	21.0
4 21	13 3.81	−18 2.0	1.435	2.423	5.8	21.1
5 1	12 55.24	−16 58.9	1.472	2.429	9.6	21.3
5 11	12 48.99	−15 58.5	1.532	2.434	13.5	21.5

473145 2015 KQ_{8} 4 9.9 246.°52 9.°5/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 42.50	+23 36.9	2.489	3.275	12.1	20.7
3 12	13 37.70	+24 45.7	2.423	3.267	10.7	20.6
3 22	13 30.94	+25 44.3	2.380	3.258	9.7	20.5
4 1	13 22.76	+26 25.5	2.361	3.249	9.5	20.5
4 11	13 13.93	+26 43.9	2.368	3.239	10.2	20.5
4 21	13 5.28	+26 36.6	2.398	3.230	11.6	20.6
5 1	12 57.60	+26 3.4	2.451	3.221	13.3	20.7
5 11	12 51.51	+25 6.8	2.523	3.211	14.9	20.8

340765 2006 SY_{324} 4 9.9 124.°02 8.°3/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 45.30	+23 50.7	2.838	3.611	11.1	20.5
3 12	13 39.38	+24 43.8	2.790	3.626	9.7	20.5
3 22	13 31.78	+25 26.2	2.766	3.640	8.7	20.4
4 1	13 23.05	+25 52.5	2.768	3.654	8.3	20.4
4 11	13 13.92	+25 58.6	2.796	3.667	8.9	20.5
4 21	13 5.11	+25 43.1	2.849	3.680	10.0	20.6
5 1	12 57.28	+25 6.3	2.927	3.693	11.4	20.7
5 11	12 50.94	+24 10.6	3.025	3.706	12.8	20.8

417525 2006 TE_{27} 4 9.9 174.°71 0.°3/ 9.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 42.45	− 9 10.7	2.123	2.905	14.1	22.6
3 12	13 37.94	− 8 48.2	2.033	2.908	11.1	22.3
3 22	13 31.27	− 8 14.2	1.965	2.910	7.6	22.1
4 1	13 23.00	− 7 31.4	1.924	2.912	3.6	21.9
4 11	13 13.92	− 6 44.3	1.911	2.913	0.7	21.6
4 21	13 4.94	− 5 58.0	1.928	2.913	4.7	22.0
5 1	12 56.98	− 5 17.7	1.972	2.913	8.6	22.2
5 11	12 50.71	− 4 47.8	2.041	2.912	12.0	22.4

474095 2016 LE_{4} 4 9.9 295.°62 3.°0/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.14	−19 21.6	1.805	2.573	16.7	21.2
3 12	13 33.71	−19 5.9	1.699	2.556	13.8	21.0
3 22	13 28.83	−18 27.9	1.612	2.540	10.3	20.7
4 1	13 21.98	−17 27.6	1.549	2.524	6.3	20.4
4 11	13 14.02	−16 8.6	1.512	2.508	3.2	20.2
4 21	13 6.01	−14 37.3	1.501	2.492	5.0	20.3
5 1	12 59.02	−13 2.7	1.517	2.476	9.1	20.5
5 11	12 53.96	−11 34.4	1.558	2.461	13.3	20.7

138577 2000 QX_{122} 4 9.9 147.°90 1.°5/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.71	− 7 20.4	2.895	3.679	10.6	19.8
3 12	13 32.03	− 6 3.0	2.807	3.687	8.2	19.6
3 22	13 26.92	− 4 35.9	2.746	3.695	5.5	19.5
4 1	13 20.79	− 3 3.2	2.714	3.702	2.6	19.3
4 11	13 14.20	− 1 30.2	2.713	3.709	1.9	19.2
4 21	13 7.73	− 0 2.3	2.743	3.716	4.5	19.4
5 1	13 1.95	+ 1 15.5	2.802	3.722	7.3	19.6
5 11	12 57.30	+ 2 19.9	2.888	3.728	9.8	19.8

507465 2012 TE_{176} 4 9.9 229.°05 0.°2/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 38.88	−10 42.2	2.232	3.013	13.5	22.2
3 12	13 35.13	−10 26.6	2.135	3.009	10.7	22.0
3 22	13 29.38	− 9 59.2	2.061	3.004	7.4	21.8
4 1	13 22.10	− 9 22.3	2.013	2.999	3.7	21.6
4 11	13 14.05	− 8 39.4	1.992	2.994	0.4	21.3
4 21	13 6.03	− 7 55.4	2.001	2.989	4.3	21.6
5 1	12 58.89	− 7 15.2	2.037	2.984	8.0	21.8
5 11	12 53.30	− 6 43.3	2.099	2.978	11.4	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
127740	2003 FS_9		4 9.9	227.°80	6.°3/ 3.3	18
	h m	° ′			°	m
3 2	13 42.17	+ 9 8.3	2.235	3.044	12.6	19.9
3 12	13 37.66	+10 12.7	2.148	3.033	10.2	19.7
3 22	13 31.08	+11 17.0	2.085	3.021	7.8	19.6
4 1	13 22.92	+12 14.5	2.049	3.009	6.4	19.4
4 11	13 13.96	+12 58.5	2.040	2.996	7.0	19.4
4 21	13 5.06	+13 24.1	2.059	2.982	9.2	19.6
5 1	12 57.08	+13 28.5	2.103	2.968	11.8	19.7
5 11	12 50.72	+13 11.7	2.168	2.954	14.4	19.8
16261	lidemachi		4 9.9	215.°89	1.°2/11.4	18
3 2	13 36.31	−15 20.2	2.338	3.104	13.4	17.5
3 12	13 33.04	−14 49.4	2.240	3.102	10.8	17.3
3 22	13 27.91	−14 3.3	2.165	3.100	7.6	17.1
4 1	13 21.38	−13 3.7	2.115	3.097	4.1	16.9
4 11	13 14.15	−11 54.6	2.094	3.094	1.2	16.6
4 21	13 7.00	−10 41.4	2.101	3.091	3.9	16.8
5 1	13 0.68	− 9 30.3	2.137	3.088	7.4	17.0
5 11	12 55.81	− 8 26.9	2.199	3.085	10.7	17.2
423632	2005 WW_{196}		4 9.9	120.°42	2.°4/12.7	18
3 2	13 40.15	−19 29.9	2.258	3.001	14.5	22.2
3 12	13 35.97	−18 58.4	2.175	3.018	11.8	22.0
3 22	13 29.81	−18 8.7	2.114	3.036	8.6	21.8
4 1	13 22.25	−17 2.4	2.079	3.052	5.1	21.6
4 11	13 14.07	−15 43.6	2.072	3.068	2.4	21.5
4 21	13 6.11	−14 18.3	2.095	3.084	4.0	21.6
5 1	12 59.17	−12 53.3	2.146	3.099	7.3	21.8
5 11	12 53.86	−11 35.2	2.224	3.113	10.4	22.1
497884	2006 UD_{254}		4 9.9	149.°19	0.°2/ 9.7	17
3 2	13 37.67	− 9 17.0	2.872	3.646	11.0	22.7
3 12	13 33.59	− 8 52.3	2.783	3.654	8.6	22.5
3 22	13 28.01	− 8 19.0	2.718	3.661	5.8	22.4
4 1	13 21.35	− 7 39.4	2.681	3.669	2.8	22.2
4 11	13 14.17	− 6 56.8	2.673	3.675	0.5	22.0
4 21	13 7.10	− 6 14.8	2.696	3.681	3.6	22.2
5 1	13 0.74	− 5 37.3	2.748	3.687	6.6	22.4
5 11	12 55.56	− 5 7.2	2.825	3.693	9.2	22.6
149421	2003 BS_{18}		4 9.9	126.°66	7.°1/16.9	17
3 2	13 45.19	−29 26.5	2.150	2.832	16.8	21.0
3 12	13 40.42	−30 10.5	2.063	2.846	14.5	20.9
3 22	13 33.17	−30 33.6	1.995	2.859	11.9	20.7
4 1	13 24.00	−30 32.7	1.949	2.871	9.3	20.6
4 11	13 13.86	−30 7.4	1.929	2.883	7.4	20.5
4 21	13 3.84	−29 20.5	1.935	2.895	7.2	20.5
5 1	12 55.02	−28 17.8	1.968	2.906	8.9	20.6
5 11	12 48.19	−27 7.6	2.027	2.916	11.3	20.8
505229	2012 UD_{24}		4 9.9	119.°11	3.°4/13.7	17
3 2	13 39.03	−20 32.0	2.389	3.124	14.0	22.0
3 12	13 35.14	−20 37.4	2.297	3.132	11.5	21.8
3 22	13 29.32	−20 26.9	2.228	3.140	8.7	21.6
4 1	13 22.06	−20 0.5	2.183	3.147	5.7	21.4
4 11	13 14.10	−19 20.2	2.165	3.154	3.5	21.3
4 21	13 6.24	−18 29.9	2.176	3.161	4.3	21.4
5 1	12 59.28	−17 34.8	2.215	3.168	7.1	21.6
5 11	12 53.85	−16 40.8	2.280	3.175	10.0	21.7
5040	Rabinowitz		4 9.9	253.°61	5.°2/ 3.8	18
3 2	13 38.08	− 0 59.7	1.914	2.731	14.1	17.3
3 12	13 34.93	+ 1 3.8	1.815	2.712	11.0	17.0
3 22	13 29.51	+ 3 22.0	1.740	2.693	7.7	16.8
4 1	13 22.28	+ 5 46.2	1.694	2.673	5.3	16.6
4 11	13 14.06	+ 8 5.3	1.676	2.653	6.1	16.6
4 21	13 5.79	+10 8.3	1.688	2.632	9.4	16.8
5 1	12 58.45	+11 46.7	1.725	2.610	13.0	16.9
5 11	12 52.86	+12 56.3	1.784	2.588	16.3	17.1
129355	3004 P–L		4 9.9	204.°73	4.°6/14.6	17
3 2	13 42.56	−23 32.7	2.466	3.177	14.2	20.8
3 12	13 38.04	−23 56.8	2.359	3.172	12.0	20.6
3 22	13 31.42	−24 4.9	2.273	3.167	9.4	20.4
4 1	13 23.14	−23 55.4	2.211	3.161	6.7	20.2
4 11	13 13.97	−23 29.0	2.177	3.154	4.8	20.1
4 21	13 4.77	−22 48.3	2.170	3.148	5.2	20.1
5 1	12 56.42	−21 57.9	2.193	3.140	7.5	20.2
5 11	12 49.66	−21 4.2	2.241	3.132	10.3	20.4
11166	Anatolefrance		4 9.9	217.°79	2.°9/ 7.3	18
3 2	13 40.97	− 3 59.5	1.911	2.716	14.6	18.0
3 12	13 37.10	− 3 2.2	1.818	2.709	11.4	17.8
3 22	13 30.91	− 1 53.7	1.748	2.701	7.7	17.5
4 1	13 22.93	− 0 39.3	1.704	2.692	4.0	17.3
4 11	13 14.00	+ 0 33.9	1.688	2.683	3.3	17.2
4 21	13 5.12	+ 1 38.5	1.700	2.673	6.8	17.4
5 1	12 57.27	+ 2 28.4	1.739	2.662	10.8	17.6
5 11	12 51.25	+ 2 59.7	1.801	2.651	14.3	17.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9004	Peekaydee		4 9.9	286.°80	1.°9/ 7.5	18 R
	h m	° ′			°	m
3 2	13 33.89	− 7 32.0	2.378	3.176	12.3	17.8
3 12	13 31.14	− 6 13.1	2.274	3.161	9.6	17.6
3 22	13 26.63	− 4 40.5	2.193	3.146	6.4	17.4
4 1	13 20.79	− 2 59.0	2.141	3.131	3.1	17.1
4 11	13 14.25	− 1 15.0	2.119	3.115	2.3	17.1
4 21	13 7.72	+ 0 24.1	2.126	3.100	5.5	17.2
5 1	13 1.93	+ 1 51.8	2.161	3.085	8.9	17.4
5 11	12 57.48	+ 3 3.0	2.221	3.070	12.0	17.6
435580	2008 RW_{114}		4 9.9	87.°56	0.°3/10.3	17
3 2	13 36.69	−13 44.1	2.051	2.832	14.6	21.0
3 12	13 33.45	−12 48.1	1.971	2.844	11.5	20.8
3 22	13 28.21	−11 35.2	1.913	2.856	7.9	20.6
4 1	13 21.52	−10 9.1	1.882	2.868	3.9	20.4
4 11	13 14.18	− 8 35.9	1.879	2.881	0.4	20.2
4 21	13 7.04	− 7 3.0	1.904	2.893	4.5	20.5
5 1	13 0.92	− 5 37.8	1.958	2.904	8.3	20.8
5 11	12 56.42	− 4 26.0	2.037	2.916	11.7	21.0
269669	1995 SV_{51}		4 9.9	68.°23	0.°1/10.1	17
3 2	13 39.88	−10 13.3	1.895	2.687	15.2	21.1
3 12	13 36.24	−10 1.0	1.809	2.688	12.0	20.9
3 22	13 30.29	− 9 35.9	1.744	2.690	8.3	20.6
4 1	13 22.60	− 9 0.4	1.704	2.692	4.1	20.4
4 11	13 14.05	− 8 18.9	1.692	2.694	0.4	20.1
4 21	13 5.60	− 7 36.7	1.707	2.696	4.8	20.4
5 1	12 58.23	− 6 59.6	1.749	2.698	9.0	20.7
5 11	12 52.70	− 6 32.3	1.815	2.700	12.7	20.9
330113	2005 XB_{41}		4 9.9	229.°52	5.°6/15.8	17
3 2	13 39.88	−26 52.6	2.151	2.859	16.1	21.7
3 12	13 36.33	−27 0.0	2.043	2.850	13.8	21.5
3 22	13 30.45	−26 45.6	1.955	2.842	11.1	21.3
4 1	13 22.74	−26 7.4	1.889	2.832	8.1	21.1
4 11	13 14.03	−25 6.3	1.849	2.823	5.9	21.0
4 21	13 5.30	−23 46.3	1.836	2.813	6.0	20.9
5 1	12 57.57	−22 14.4	1.851	2.802	8.3	21.1
5 11	12 51.66	−20 39.6	1.891	2.791	11.4	21.2
349333	2007 VJ_{43}		4 9.9	245.°64	3.°9/ 5.9	17
3 2	13 38.78	+ 2 36.5	2.321	3.131	12.2	21.0
3 12	13 34.85	+ 3 15.7	2.238	3.130	9.5	20.9
3 22	13 29.08	+ 3 57.9	2.179	3.128	6.7	20.7
4 1	13 21.93	+ 4 38.2	2.147	3.127	4.3	20.5
4 11	13 14.14	+ 5 11.6	2.143	3.126	4.3	20.5
4 21	13 6.45	+ 5 33.8	2.166	3.124	6.7	20.7
5 1	12 59.63	+ 5 42.0	2.217	3.123	9.6	20.8
5 11	12 54.28	+ 5 34.8	2.291	3.121	12.3	21.0
471355	2011 QN_{91}		4 9.9	185.°62	0.°5/ 9.3	17
3 2	13 35.94	− 9 29.5	2.650	3.432	11.6	22.1
3 12	13 32.45	− 8 46.0	2.556	3.432	9.1	21.9
3 22	13 27.35	− 7 51.7	2.485	3.431	6.1	21.7
4 1	13 21.08	− 6 49.8	2.442	3.431	2.9	21.5
4 11	13 14.24	− 5 44.6	2.428	3.430	0.8	21.3
4 21	13 7.47	− 4 41.0	2.445	3.428	4.0	21.6
5 1	13 1.43	− 3 43.6	2.489	3.427	7.2	21.8
5 11	12 56.63	− 2 56.4	2.560	3.425	10.1	22.0
300217	2006 WK_{182}		4 9.9	205.°68	3.°9/ 5.4	17
3 2	13 38.64	+ 4 6.3	2.659	3.464	10.9	21.1
3 12	13 34.50	+ 4 48.1	2.573	3.461	8.6	20.9
3 22	13 28.72	+ 5 31.6	2.512	3.458	6.1	20.8
4 1	13 21.73	+ 6 12.5	2.478	3.454	4.2	20.6
4 11	13 14.17	+ 6 46.3	2.473	3.450	4.3	20.6
4 21	13 6.69	+ 7 9.1	2.496	3.446	6.4	20.8
5 1	12 59.96	+ 7 18.4	2.547	3.442	9.0	20.9
5 11	12 54.52	+ 7 13.2	2.622	3.437	11.4	21.1
369340	2009 SY_{322}		4 9.9	166.°88	0.°7/ 9.2	16
3 2	13 40.84	− 8 7.5	2.732	3.506	11.5	23.0
3 12	13 36.14	− 7 35.3	2.641	3.512	9.0	22.8
3 22	13 29.79	− 6 54.2	2.574	3.518	6.1	22.7
4 1	13 22.24	− 6 7.0	2.535	3.523	2.9	22.5
4 11	13 14.12	− 5 17.5	2.526	3.527	0.9	22.3
4 21	13 6.10	− 4 29.9	2.548	3.530	4.0	22.5
5 1	12 58.86	− 3 48.2	2.599	3.533	7.2	22.7
5 11	12 52.93	− 3 15.6	2.676	3.535	9.9	22.9
299713	2006 QO_{183}		4 9.9	232.°67	3.°6/14.2	17
3 2	13 37.51	−22 14.0	2.525	3.252	13.5	20.7
3 12	13 33.98	−22 11.5	2.418	3.245	11.3	20.5
3 22	13 28.58	−21 52.3	2.332	3.237	8.7	20.3
4 1	13 21.75	−21 16.0	2.270	3.230	5.9	20.1
4 11	13 14.16	−20 24.6	2.236	3.222	3.8	19.9
4 21	13 6.59	−19 21.8	2.230	3.214	4.3	20.0
5 1	12 59.81	−18 13.0	2.253	3.206	7.0	20.1
5 11	12 54.46	−17 4.5	2.302	3.198	9.9	20.3

83900 2001 UN_{157} 4 9.9 109.°71 0.°6/ 9.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.93	− 7 44.1	3.290	4.071	9.6	20.4
3 12	13 30.51	− 7 15.3	3.203	4.079	7.4	20.2
3 22	13 25.85	− 6 39.7	3.140	4.087	5.0	20.1
4 1	13 20.30	− 5 59.5	3.106	4.094	2.3	19.9
4 11	13 14.34	− 5 17.8	3.101	4.102	0.8	19.8
4 21	13 8.47	− 4 37.9	3.126	4.109	3.3	20.0
5 1	13 3.17	− 4 2.7	3.180	4.117	5.9	20.2
5 11	12 58.85	− 3 34.8	3.261	4.124	8.2	20.3

69879 1998 SN_{81} 4 9.9 249.°85 0.°3/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.46	−10 39.6	2.132	2.915	14.0	19.7
3 12	13 35.73	−10 27.7	2.033	2.908	11.1	19.5
3 22	13 29.89	−10 3.8	1.957	2.901	7.7	19.2
4 1	13 22.42	− 9 30.0	1.907	2.893	3.8	19.0
4 11	13 14.09	− 8 49.8	1.884	2.886	0.4	18.7
4 21	13 5.78	− 8 8.1	1.890	2.878	4.5	19.0
5 1	12 58.38	− 7 30.1	1.923	2.871	8.4	19.2
5 11	12 52.61	− 7 0.3	1.981	2.863	11.9	19.4

456802 2007 TH_{265} 4 9.9 101.°27 2.°3/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 45.07	−14 20.9	1.622	2.400	17.9	21.3
3 12	13 40.71	−14 37.2	1.544	2.412	14.4	21.1
3 22	13 33.55	−14 37.1	1.486	2.423	10.3	20.8
4 1	13 24.24	−14 21.2	1.452	2.433	5.8	20.6
4 11	13 13.90	−13 52.4	1.445	2.444	2.3	20.4
4 21	13 3.76	−13 16.1	1.464	2.454	5.2	20.6
5 1	12 55.04	−12 38.7	1.510	2.465	9.6	20.9
5 11	12 48.62	−12 7.1	1.579	2.474	13.6	21.1

502966 2015 FV_1 4 9.9 341.°72 0.°8/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.88	− 9 23.8	1.702	2.497	16.5	20.8
3 12	13 39.00	− 9 48.2	1.611	2.492	13.2	20.6
3 22	13 32.44	−10 2.4	1.542	2.487	9.2	20.3
4 1	13 23.77	−10 7.1	1.497	2.483	4.7	20.1
4 11	13 13.94	−10 5.1	1.478	2.480	0.9	19.8
4 21	13 4.13	−10 0.0	1.486	2.476	5.2	20.1
5 1	12 55.51	− 9 56.3	1.521	2.474	9.7	20.3
5 11	12 49.01	− 9 58.4	1.579	2.471	13.8	20.5

249490 2009 UV_{136} 4 9.9 114.°80 4.°2/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.95	+ 1 37.7	1.958	2.772	14.0	20.7
3 12	13 36.81	+ 2 27.4	1.886	2.780	10.9	20.5
3 22	13 30.52	+ 3 21.5	1.837	2.788	7.5	20.3
4 1	13 22.66	+ 4 14.1	1.815	2.796	4.7	20.1
4 11	13 14.09	+ 4 58.7	1.820	2.804	4.7	20.1
4 21	13 5.73	+ 5 30.2	1.852	2.812	7.5	20.3
5 1	12 58.48	+ 5 44.9	1.910	2.819	10.7	20.5
5 11	12 52.98	+ 5 41.7	1.991	2.827	13.7	20.7

374395 2005 VE_{41} 4 9.9 9.°16 1.°5/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.64	− 7 20.1	1.637	2.451	16.2	21.0
3 12	13 34.81	− 6 43.5	1.557	2.451	12.7	20.8
3 22	13 29.49	− 5 53.2	1.498	2.452	8.6	20.5
4 1	13 22.27	− 4 53.8	1.463	2.453	4.1	20.2
4 11	13 14.12	− 3 52.1	1.455	2.455	1.9	20.1
4 21	13 6.12	− 2 55.4	1.473	2.457	6.2	20.4
5 1	12 59.31	− 2 10.4	1.516	2.459	10.6	20.6
5 11	12 54.51	− 1 41.8	1.582	2.462	14.4	20.9

336403 2008 UM_{151} 4 9.9 190.°57 1.°0/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.25	−14 7.1	2.274	3.043	13.6	21.7
3 12	13 34.61	−13 43.8	2.178	3.042	10.9	21.5
3 22	13 29.02	−13 6.2	2.105	3.041	7.7	21.3
4 1	13 21.97	−12 16.0	2.057	3.040	4.1	21.1
4 11	13 14.18	−11 17.1	2.038	3.039	1.0	20.8
4 21	13 6.46	−10 14.7	2.047	3.037	4.0	21.0
5 1	12 59.62	− 9 14.5	2.085	3.035	7.7	21.3
5 11	12 54.31	− 8 22.0	2.148	3.033	11.0	21.5

104632 2000 GC_{115} 4 9.9 7.°08 1.°5/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.71	− 5 31.2	1.977	2.781	14.2	19.5
3 12	13 35.19	− 5 6.8	1.892	2.781	11.1	19.3
3 22	13 29.52	− 4 33.2	1.829	2.781	7.5	19.1
4 1	13 22.24	− 3 54.0	1.793	2.782	3.6	18.8
4 11	13 14.16	− 3 14.2	1.783	2.783	1.9	18.7
4 21	13 6.19	− 2 39.0	1.802	2.783	5.5	18.9
5 1	12 59.23	− 2 13.2	1.847	2.784	9.3	19.2
5 11	12 53.97	− 2 0.1	1.915	2.786	12.7	19.4

508746 2017 UP_{34} 4 9.9 241.°03 0.°5/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.92	− 8 12.4	2.336	3.116	13.0	22.5
3 12	13 37.54	− 7 52.8	2.225	3.099	10.3	22.3
3 22	13 31.09	− 7 23.1	2.136	3.081	7.1	22.0
4 1	13 23.03	− 6 45.5	2.075	3.063	3.4	21.7
4 11	13 14.06	− 6 4.0	2.042	3.044	0.8	21.5
4 21	13 5.02	− 5 22.9	2.039	3.024	4.6	21.8
5 1	12 56.76	− 4 47.2	2.065	3.004	8.4	21.9
5 11	12 50.03	− 4 21.0	2.116	2.982	11.8	22.1

320316 2007 TK_{20} 4 9.9 112.°91 0.°6/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 44.07	−11 51.0	1.741	2.524	16.6	21.3
3 12	13 39.60	−11 36.8	1.666	2.540	13.2	21.1
3 22	13 32.59	−11 7.6	1.613	2.555	9.1	20.9
4 1	13 23.72	−10 25.8	1.584	2.570	4.6	20.6
4 11	13 14.00	− 9 36.1	1.583	2.584	0.7	20.4
4 21	13 4.55	− 8 44.9	1.609	2.598	5.0	20.7
5 1	12 56.42	− 7 58.7	1.663	2.612	9.3	21.0
5 11	12 50.39	− 7 22.9	1.740	2.625	13.1	21.3

228371 2000 WB_{46} 4 9.9 141.°78 0.°1/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.60	−10 40.7	2.292	3.070	13.3	21.2
3 12	13 35.52	−10 4.8	2.207	3.080	10.4	21.0
3 22	13 29.54	− 9 16.6	2.146	3.090	7.1	20.8
4 1	13 22.18	− 8 19.1	2.111	3.098	3.4	20.6
4 11	13 14.19	− 7 17.1	2.105	3.107	0.5	20.4
4 21	13 6.34	− 6 15.9	2.129	3.115	4.3	20.7
5 1	12 59.43	− 5 20.8	2.181	3.122	7.9	20.9
5 11	12 54.03	− 4 36.2	2.258	3.129	11.0	21.1

413136 2001 YJ_{66} 4 9.9 122.°52 8.°1/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 43.46	+14 30.6	2.108	2.915	13.3	21.2
3 12	13 38.56	+15 46.2	2.054	2.930	11.0	21.1
3 22	13 31.57	+16 55.8	2.023	2.944	9.0	21.0
4 1	13 23.12	+17 51.9	2.019	2.957	8.1	20.9
4 11	13 14.09	+18 28.0	2.041	2.970	8.7	21.0
4 21	13 5.38	+18 40.5	2.089	2.982	10.6	21.1
5 1	12 57.81	+18 28.7	2.160	2.994	12.8	21.3
5 11	12 52.01	+17 54.3	2.252	3.006	14.8	21.5

328296 2008 GJ_{132} 4 9.9 208.°82 3.°1/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 41.18	− 1 10.6	2.183	2.986	13.1	21.4
3 12	13 36.93	− 0 26.6	2.092	2.981	10.2	21.2
3 22	13 30.63	+ 0 24.0	2.024	2.975	7.0	21.0
4 1	13 22.77	+ 1 16.5	1.983	2.969	3.9	20.8
4 11	13 14.12	+ 2 5.3	1.971	2.962	3.5	20.8
4 21	13 5.54	+ 2 45.1	1.987	2.955	6.4	20.9
5 1	12 57.87	+ 3 11.6	2.030	2.947	9.8	21.1
5 11	12 51.81	+ 3 22.4	2.097	2.939	12.9	21.3

479 Caprera 4 9.9 135.°93 3.°4/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.86	− 0 5.3	2.357	3.160	12.2	14.9
3 12	13 35.57	+ 0 54.9	2.284	3.173	9.5	14.7
3 22	13 29.49	+ 2 0.3	2.236	3.186	6.5	14.6
4 1	13 22.13	+ 3 5.7	2.215	3.197	3.9	14.4
4 11	13 14.21	+ 4 5.5	2.223	3.209	3.9	14.4
4 21	13 6.48	+ 4 54.5	2.260	3.219	6.4	14.6
5 1	12 59.65	+ 5 29.0	2.324	3.230	9.3	14.8
5 11	12 54.30	+ 5 47.3	2.412	3.239	11.9	15.0

267315 2001 TW_{167} 4 9.9 107.°83 0.°7/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 47.30	− 9 57.9	2.041	2.813	14.9	20.9
3 12	13 41.72	−10 11.7	1.964	2.831	11.8	20.7
3 22	13 33.84	−10 15.2	1.910	2.849	8.2	20.5
4 1	13 24.28	−10 10.0	1.881	2.867	4.1	20.3
4 11	13 13.96	− 9 58.6	1.882	2.884	0.7	20.1
4 21	13 3.89	− 9 44.8	1.912	2.900	4.4	20.4
5 1	12 55.00	− 9 32.6	1.970	2.916	8.3	20.7
5 11	12 48.01	− 9 25.8	2.054	2.932	11.7	20.9

292439 2006 SN_{348} 4 9.9 10.°35 1.°3/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.61	− 5 10.8	2.129	2.927	13.5	21.0
3 12	13 35.73	− 5 0.3	2.042	2.928	10.6	20.8
3 22	13 29.82	− 4 42.1	1.978	2.929	7.1	20.5
4 1	13 22.37	− 4 19.5	1.941	2.930	3.4	20.3
4 11	13 14.17	− 3 56.2	1.931	2.931	1.5	20.2
4 21	13 6.08	− 3 36.5	1.950	2.933	5.0	20.4
5 1	12 58.92	− 3 24.2	1.995	2.934	8.7	20.6
5 11	12 53.38	− 3 22.1	2.066	2.936	11.9	20.8

145219 2005 JQ_{55} 4 9.9 200.°45 5.°9/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.46	+ 8 54.8	2.435	3.249	11.5	20.0
3 12	13 33.77	+10 10.4	2.359	3.247	9.2	19.8
3 22	13 28.33	+11 25.8	2.308	3.245	7.1	19.7
4 1	13 21.60	+12 34.8	2.284	3.243	6.0	19.6
4 11	13 14.26	+13 31.1	2.288	3.240	6.6	19.7
4 21	13 7.04	+14 10.1	2.319	3.237	8.6	19.8
5 1	13 0.63	+14 29.2	2.375	3.234	10.9	19.9
5 11	12 55.61	+14 28.0	2.453	3.231	13.1	20.1

231278 Kárpáti 4 9.9 118.°50 5.°0/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 43.84	−23 58.1	2.227	2.941	15.4	21.4
3 12	13 39.14	−24 29.0	2.141	2.955	13.0	21.3
3 22	13 32.18	−24 42.2	2.075	2.968	10.2	21.1
4 1	13 23.53	−24 36.2	2.033	2.982	7.3	20.9
4 11	13 14.05	−24 11.6	2.018	2.995	5.3	20.8
4 21	13 4.69	−23 31.8	2.031	3.007	5.6	20.9
5 1	12 56.41	−22 42.0	2.072	3.019	7.9	21.0
5 11	12 49.94	−21 49.1	2.138	3.031	10.6	21.2

114953 2003 QD_{57} 4 9.9 258.°61 0.°2/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 42.98	− 9 42.9	1.828	2.617	15.8	20.9
3 12	13 39.10	− 9 26.3	1.717	2.596	12.6	20.6
3 22	13 32.60	− 8 55.7	1.628	2.574	8.8	20.3
4 1	13 23.93	− 8 13.3	1.564	2.552	4.3	20.0
4 11	13 13.98	− 7 23.4	1.527	2.529	0.6	19.6
4 21	13 3.84	− 6 32.1	1.518	2.505	5.5	19.9
5 1	12 54.69	− 5 46.2	1.536	2.481	10.3	20.2
5 11	12 47.52	− 5 11.7	1.577	2.456	14.5	20.4

140282 2001 SO_{281} 4 9.9 169.°00 1.°4/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.39	−13 56.3	2.720	3.474	12.0	20.1
3 12	13 35.93	−13 59.6	2.623	3.477	9.6	19.9
3 22	13 29.74	−13 52.3	2.549	3.479	6.9	19.8
4 1	13 22.29	−13 35.4	2.502	3.482	3.8	19.6
4 11	13 14.19	−13 11.1	2.484	3.484	1.4	19.4
4 21	13 6.15	−12 42.3	2.496	3.485	3.5	19.5
5 1	12 58.86	−12 13.0	2.537	3.486	6.5	19.7
5 11	12 52.89	−11 46.8	2.605	3.487	9.4	19.9

272782 2005 YJ_{209} 4 9.9 52.°55 9.°1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 45.06	−30 20.3	1.670	2.372	20.2	20.1
3 12	13 41.01	−31 34.6	1.604	2.395	17.6	19.9
3 22	13 33.92	−32 23.5	1.554	2.418	14.7	19.8
4 1	13 24.49	−32 42.4	1.524	2.442	11.8	19.7
4 11	13 13.94	−32 29.9	1.517	2.465	9.6	19.6
4 21	13 3.64	−31 49.1	1.534	2.489	9.2	19.6
5 1	12 54.94	−30 47.6	1.576	2.513	10.7	19.8
5 11	12 48.75	−29 35.8	1.641	2.537	13.1	20.0

507578 2013 AP_{155} 4 9.9 181.°07 2.°0/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.36	−18 14.4	2.824	3.566	11.9	22.7
3 12	13 32.76	−17 54.7	2.723	3.566	9.7	22.6
3 22	13 27.58	−17 21.1	2.645	3.566	7.1	22.4
4 1	13 21.23	−16 34.8	2.593	3.566	4.3	22.2
4 11	13 14.31	−15 38.4	2.570	3.566	2.1	22.1
4 21	13 7.45	−14 36.0	2.576	3.565	3.4	22.1
5 1	13 1.30	−13 32.3	2.612	3.565	6.2	22.3
5 11	12 56.37	−12 32.1	2.675	3.563	8.9	22.5

415906 2001 TW_{262} 4 9.9 90.°82 1.°9/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.16	−16 37.9	1.810	2.583	16.5	20.7
3 12	13 35.76	−16 13.3	1.731	2.595	13.3	20.5
3 22	13 30.00	−15 29.2	1.671	2.606	9.5	20.3
4 1	13 22.49	−14 27.8	1.637	2.617	5.3	20.1
4 11	13 14.17	−13 13.8	1.629	2.628	1.9	19.9
4 21	13 6.06	−11 54.4	1.648	2.639	4.6	20.1
5 1	12 59.14	−10 37.5	1.695	2.650	8.7	20.4
5 11	12 54.14	− 9 30.3	1.766	2.661	12.4	20.6

429162 2009 VW_2 4 9.9 174.°31 3.°7/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 44.83	−18 56.8	2.237	2.973	14.8	21.6
3 12	13 39.94	−19 27.0	2.140	2.975	12.2	21.5
3 22	13 32.78	−19 42.9	2.064	2.977	9.2	21.3
4 1	13 23.86	−19 43.6	2.013	2.978	6.0	21.1
4 11	13 14.01	−19 29.8	1.990	2.979	3.8	20.9
4 21	13 4.17	−19 4.5	1.996	2.980	4.8	21.0
5 1	12 55.31	−18 32.2	2.030	2.980	7.8	21.2
5 11	12 48.21	−17 58.8	2.089	2.979	11.0	21.4

90883 1996 XB_{26} 4 9.9 80.°52 2.°3/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.84	−16 57.7	1.861	2.630	16.3	19.9
3 12	13 36.22	−16 47.3	1.784	2.644	13.2	19.7
3 22	13 30.27	−16 18.8	1.727	2.658	9.5	19.5
4 1	13 22.61	−15 33.5	1.694	2.672	5.5	19.3
4 11	13 14.16	−14 35.3	1.688	2.686	2.4	19.1
4 21	13 5.93	−13 30.5	1.710	2.700	4.5	19.3
5 1	12 58.88	−12 26.1	1.758	2.714	8.4	19.6
5 11	12 53.73	−11 28.8	1.832	2.728	12.0	19.8

83241 2001 RH_{52} 4 10.0 74.°60 1.°3/11.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.31	−15 29.0	2.180	2.950	14.1	19.5
3 12	13 33.14	−14 57.6	2.093	2.957	11.3	19.4
3 22	13 28.03	−14 10.0	2.028	2.964	8.0	19.2
4 1	13 21.50	−13 8.4	1.988	2.971	4.3	18.9
4 11	13 14.29	−11 57.4	1.977	2.978	1.3	18.7
4 21	13 7.23	−10 42.8	1.994	2.984	4.0	18.9
5 1	13 1.09	− 9 31.0	2.039	2.991	7.6	19.2
5 11	12 56.49	− 8 27.9	2.109	2.998	10.9	19.4

299872 2006 SB_{294} 4 10.0 219.°67 0.°4/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.41	−10 8.7	2.677	3.455	11.6	21.7
3 12	13 32.87	− 9 24.8	2.574	3.448	9.1	21.6
3 22	13 27.70	− 8 29.5	2.496	3.440	6.2	21.3
4 1	13 21.32	− 7 25.7	2.444	3.432	2.9	21.1
4 11	13 14.31	− 6 17.6	2.422	3.424	0.7	20.9
4 21	13 7.35	− 5 10.3	2.430	3.415	4.0	21.2
5 1	13 1.07	− 4 8.5	2.467	3.406	7.2	21.4
5 11	12 56.04	− 3 16.6	2.530	3.397	10.2	21.5

286499 2002 BF_{27} 4 10.0 144.°14 3.°1/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.37	−20 20.1	2.751	3.477	12.5	21.4
3 12	13 35.18	−20 30.5	2.655	3.484	10.3	21.3
3 22	13 29.26	−20 27.4	2.582	3.490	7.8	21.1
4 1	13 22.06	−20 10.6	2.534	3.496	5.2	21.0
4 11	13 14.24	−19 41.7	2.514	3.502	3.3	20.8
4 21	13 6.48	−19 3.8	2.524	3.507	3.9	20.9
5 1	12 59.49	−18 20.8	2.562	3.513	6.4	21.1
5 11	12 53.83	−17 37.7	2.627	3.518	9.0	21.2

232900 2004 XG_{51} 4 10.0 123.°28 2.°5/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.63	−18 4.0	2.364	3.109	13.8	21.4
3 12	13 36.33	−17 58.8	2.279	3.123	11.3	21.3
3 22	13 30.11	−17 38.6	2.215	3.137	8.2	21.1
4 1	13 22.48	−17 4.0	2.177	3.150	5.0	20.9
4 11	13 14.19	−16 17.8	2.167	3.162	2.5	20.8
4 21	13 6.06	−15 24.4	2.186	3.175	4.0	20.9
5 1	12 58.88	−14 29.2	2.234	3.187	7.1	21.1
5 11	12 53.25	−13 37.6	2.308	3.198	10.1	21.3

457363 2008 SY_{288} 4 10.0 212.°12 2.°4/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 45.16	−15 46.5	1.800	2.565	16.9	22.3
3 12	13 40.80	−15 52.0	1.700	2.559	13.8	22.1
3 22	13 33.72	−15 40.4	1.620	2.552	10.0	21.8
4 1	13 24.45	−15 11.9	1.565	2.544	5.8	21.6
4 11	13 13.96	−14 28.9	1.537	2.535	2.5	21.3
4 21	13 3.42	−13 36.7	1.536	2.526	5.1	21.5
5 1	12 54.05	−12 42.4	1.563	2.516	9.5	21.7
5 11	12 46.80	−11 53.3	1.614	2.505	13.6	21.9

244634 2003 CD_{15} 4 10.0 106.°09 3.°5/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 43.81	− 2 57.3	1.471	2.290	17.5	21.1
3 12	13 39.76	− 2 6.8	1.405	2.303	13.6	20.8
3 22	13 32.89	− 1 5.9	1.360	2.315	9.2	20.6
4 1	13 23.94	− 0 1.4	1.339	2.327	4.9	20.4
4 11	13 14.06	+ 0 58.4	1.345	2.339	4.0	20.4
4 21	13 4.52	+ 1 45.6	1.377	2.351	7.9	20.6
5 1	12 56.49	+ 2 14.6	1.433	2.362	12.2	20.9
5 11	12 50.81	+ 2 22.8	1.511	2.373	16.0	21.1

386172 2007 UK_{82} 4 10.0 185.°30 0.°1/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.91	− 9 41.0	2.546	3.323	12.1	22.2
3 12	13 34.88	− 9 21.0	2.451	3.323	9.6	22.0
3 22	13 29.09	− 8 51.1	2.379	3.322	6.5	21.8
4 1	13 22.00	− 8 13.5	2.334	3.321	3.2	21.6
4 11	13 14.27	− 7 31.9	2.318	3.320	0.4	21.3
4 21	13 6.60	− 6 50.2	2.332	3.319	3.9	21.6
5 1	12 59.70	− 6 12.8	2.375	3.317	7.3	21.8
5 11	12 54.17	− 5 43.4	2.443	3.315	10.3	22.0

278839 2008 SL_{301} 4 10.0 151.°70 2.°4/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 39.04	− 3 36.4	2.018	2.825	13.9	20.5
3 12	13 35.39	− 2 55.8	1.935	2.826	10.8	20.3
3 22	13 29.64	− 2 6.7	1.875	2.828	7.3	20.1
4 1	13 22.31	− 1 13.7	1.840	2.829	3.7	19.8
4 11	13 14.23	− 0 22.5	1.834	2.830	2.8	19.8
4 21	13 6.28	+ 0 21.1	1.856	2.831	6.1	20.0
5 1	12 59.31	+ 0 52.5	1.904	2.832	9.7	20.2
5 11	12 54.02	+ 1 8.7	1.975	2.833	13.0	20.4

206296 2003 CJ_{18} 4 10.0 40.°36 0.°7/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 37.16	− 8 25.6	1.963	2.763	14.4	20.5
3 12	13 33.93	− 7 58.8	1.888	2.774	11.3	20.3
3 22	13 28.62	− 7 20.5	1.835	2.785	7.6	20.1
4 1	13 21.80	− 6 34.2	1.807	2.796	3.6	19.9
4 11	13 14.29	− 5 45.0	1.806	2.808	1.0	19.7
4 21	13 6.97	− 4 58.6	1.834	2.820	4.9	20.0
5 1	13 0.69	− 4 20.0	1.888	2.832	8.7	20.2
5 11	12 56.07	− 3 53.3	1.966	2.845	12.1	20.5

298740 2004 GT_{42} 4 10.0 335.°15 0.°5/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 40.18	− 6 57.1	2.027	2.823	14.2	20.6
3 12	13 36.39	− 6 57.8	1.934	2.817	11.2	20.4
3 22	13 30.40	− 6 49.9	1.864	2.812	7.6	20.1
4 1	13 22.73	− 6 35.7	1.819	2.808	3.7	19.9
4 11	13 14.18	− 6 18.7	1.802	2.803	0.8	19.7
4 21	13 5.68	− 6 3.0	1.813	2.799	4.9	19.9
5 1	12 58.14	− 5 52.5	1.851	2.796	8.8	20.2
5 11	12 52.30	− 5 50.8	1.913	2.792	12.3	20.4

262428 2006 UL_{76} 4 10.0 259.°52 0.°7/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 38.51	−10 17.5	1.760	2.559	15.9	21.4
3 12	13 35.52	− 9 32.1	1.662	2.547	12.6	21.2
3 22	13 30.06	− 8 29.5	1.585	2.534	8.6	20.9
4 1	13 22.66	− 7 13.2	1.533	2.522	4.1	20.6
4 11	13 14.19	− 5 49.7	1.508	2.509	1.1	20.4
4 21	13 5.71	− 4 27.1	1.510	2.496	5.8	20.6
5 1	12 58.29	− 3 13.8	1.539	2.483	10.3	20.9
5 11	12 52.81	− 2 16.5	1.591	2.470	14.4	21.1