298936 2004 TU_{215} 4 14.9 129.°88 1.°2/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.28	−15 9.1	1.715	2.543	15.1	22.2
3 22	13 55.35	−14 50.6	1.647	2.556	11.4	22.0
4 1	13 47.10	−14 16.7	1.602	2.569	7.2	21.8
4 11	13 37.43	−13 30.6	1.583	2.581	2.7	21.5
4 21	13 27.42	−12 37.4	1.592	2.592	2.7	21.6
5 1	13 18.23	−11 43.6	1.628	2.603	7.1	21.9
5 11	13 10.82	−10 56.0	1.690	2.613	11.2	22.1
5 21	13 5.76	−10 19.4	1.774	2.623	14.7	22.4

24088 1999 UQ_5 4 14.9 126.°43 1.°7/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.17	−17 3.9	2.026	2.847	13.4	18.8
3 22	13 51.37	−16 44.2	1.948	2.851	10.2	18.6
4 1	13 44.65	−16 9.6	1.894	2.856	6.6	18.4
4 11	13 36.72	−15 22.6	1.865	2.860	2.9	18.1
4 21	13 28.45	−14 27.3	1.865	2.865	2.5	18.1
5 1	13 20.77	−13 29.6	1.892	2.869	6.1	18.4
5 11	13 14.49	−12 35.6	1.946	2.873	9.8	18.6
5 21	13 10.14	−11 50.2	2.024	2.876	13.0	18.8

87605 2000 RW_{41} 4 14.9 275.°55 3.°7/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.50	−23 26.8	2.325	3.113	12.9	19.4
3 22	13 50.12	−23 22.3	2.227	3.103	10.4	19.2
4 1	13 43.93	−23 0.6	2.152	3.093	7.5	19.0
4 11	13 36.54	−22 22.5	2.103	3.083	4.7	18.8
4 21	13 28.71	−21 30.5	2.082	3.073	3.8	18.7
5 1	13 21.31	−20 29.0	2.089	3.063	5.8	18.8
5 11	13 15.12	−19 24.2	2.122	3.052	8.9	19.0
5 21	13 10.70	−18 22.1	2.180	3.042	11.8	19.1

401174 2011 WM_{70} 4 14.9 172.°33 1.°1/15.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.45	−15 22.3	1.955	2.776	13.8	22.8
3 22	13 54.59	−14 56.1	1.875	2.780	10.5	22.6
4 1	13 46.62	−14 15.4	1.818	2.784	6.6	22.3
4 11	13 37.31	−13 22.8	1.789	2.786	2.5	22.1
4 21	13 27.61	−12 23.3	1.788	2.788	2.5	22.1
5 1	13 18.55	−11 23.0	1.816	2.789	6.6	22.3
5 11	13 11.03	−10 28.4	1.870	2.789	10.5	22.6
5 21	13 5.62	− 9 44.3	1.947	2.788	13.9	22.8

302297 2001 YJ_{80} 4 14.9 166.°90 3.°1/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.44	−19 56.3	1.736	2.547	15.7	20.9
3 22	13 54.90	−19 47.7	1.656	2.551	12.2	20.7
4 1	13 46.95	−19 19.8	1.599	2.555	8.3	20.4
4 11	13 37.43	−18 34.0	1.567	2.557	4.4	20.2
4 21	13 27.42	−17 34.4	1.562	2.560	3.5	20.1
5 1	13 18.14	−16 27.9	1.585	2.561	7.1	20.4
5 11	13 10.62	−15 22.6	1.633	2.562	11.1	20.6
5 21	13 5.50	−14 25.4	1.704	2.563	14.7	20.8

305960 2009 HT_{45} 4 14.9 275.°92 0.°8/14.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.74	− 7 8.0	2.338	3.174	11.3	20.6
3 22	13 53.12	− 7 10.0	2.244	3.161	8.4	20.3
4 1	13 45.70	− 7 7.1	2.176	3.148	5.0	20.1
4 11	13 37.06	− 7 1.8	2.135	3.135	1.5	19.8
4 21	13 27.96	− 6 56.6	2.124	3.121	2.7	19.9
5 1	13 19.25	− 6 54.8	2.142	3.108	6.4	20.1
5 11	13 11.71	− 6 59.1	2.187	3.095	9.8	20.3
5 21	13 5.91	− 7 11.5	2.255	3.081	12.7	20.5

192320 1994 RA_{28} 4 14.9 142.°37 2.°0/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.59	− 6 24.7	2.272	3.117	11.3	20.5
3 22	13 50.64	− 5 29.1	2.203	3.125	8.2	20.4
4 1	13 44.07	− 4 26.9	2.159	3.134	4.9	20.2
4 11	13 36.55	− 3 22.9	2.144	3.142	2.1	20.0
4 21	13 28.79	− 2 22.6	2.158	3.149	3.7	20.1
5 1	13 21.59	− 1 30.9	2.201	3.157	7.0	20.3
5 11	13 15.60	− 0 51.9	2.270	3.163	10.1	20.5
5 21	13 11.26	− 0 27.3	2.362	3.170	12.8	20.7

277672 2006 BF_{215} 4 14.9 76.°14 5.°1/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.44	+ 0 56.3	1.793	2.657	12.9	20.5
3 22	13 50.85	+ 2 11.1	1.736	2.665	9.6	20.4
4 1	13 44.32	+ 3 27.3	1.704	2.674	6.4	20.2
4 11	13 36.63	+ 4 37.1	1.698	2.683	5.1	20.1
4 21	13 28.69	+ 5 33.6	1.720	2.691	6.9	20.2
5 1	13 21.45	+ 6 11.4	1.767	2.700	10.0	20.4
5 11	13 15.71	+ 6 28.1	1.838	2.708	13.2	20.7
5 21	13 11.96	+ 6 23.8	1.928	2.717	15.9	20.9

519692 2013 AJ_{186} 4 14.9 150.°25 2.°1/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.91	− 3 39.6	2.882	3.725	9.2	22.5
3 22	13 49.11	− 2 57.6	2.811	3.733	6.7	22.3
4 1	13 43.05	− 2 12.5	2.767	3.740	4.1	22.1
4 11	13 36.25	− 1 27.9	2.752	3.747	2.2	22.0
4 21	13 29.26	− 0 47.4	2.767	3.753	3.4	22.1
5 1	13 22.68	− 0 14.4	2.811	3.759	6.0	22.3
5 11	13 17.04	+ 0 8.5	2.881	3.765	8.5	22.5
5 21	13 12.70	+ 0 20.1	2.976	3.770	10.7	22.6

508427 2016 JU_{35} 4 14.9 303.°94 9.°8/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.28	+12 47.8	1.604	2.462	14.5	20.4
3 22	13 54.30	+13 57.8	1.525	2.436	12.0	20.2
4 1	13 46.76	+14 59.0	1.468	2.410	10.2	20.0
4 11	13 37.43	+15 41.4	1.436	2.384	10.0	19.9
4 21	13 27.41	+15 56.9	1.427	2.359	11.8	20.0
5 1	13 17.97	+15 40.9	1.442	2.333	14.7	20.1
5 11	13 10.25	+14 53.1	1.476	2.308	17.8	20.2
5 21	13 4.99	+13 37.2	1.528	2.284	20.8	20.3

468358 2016 EH_{161} 4 14.9 104.°08 0.°1/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.58	− 9 43.7	1.786	2.623	14.2	20.3
3 22	13 56.23	− 9 49.9	1.718	2.634	10.6	20.0
4 1	13 47.62	− 9 47.5	1.674	2.646	6.4	19.8
4 11	13 37.61	− 9 39.3	1.657	2.657	1.8	19.5
4 21	13 27.25	− 9 28.6	1.668	2.668	2.8	19.6
5 1	13 17.65	− 9 19.5	1.707	2.678	7.2	19.9
5 11	13 9.76	− 9 16.0	1.771	2.688	11.1	20.2
5 21	13 4.17	− 9 20.9	1.859	2.699	14.5	20.4

435410 2008 AD_{83} 4 14.9 133.°19 4.°7/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.03	+ 4 5.1	2.403	3.257	10.4	21.1
3 22	13 50.14	+ 4 58.4	2.340	3.262	7.9	21.0
4 1	13 43.75	+ 5 50.1	2.304	3.267	5.6	20.8
4 11	13 36.46	+ 6 34.8	2.295	3.272	4.7	20.8
4 21	13 28.96	+ 7 8.1	2.314	3.276	6.1	20.9
5 1	13 21.97	+ 7 26.6	2.361	3.281	8.5	21.0
5 11	13 16.12	+ 7 28.9	2.432	3.285	11.0	21.2
5 21	13 11.83	+ 7 15.0	2.525	3.290	13.2	21.4

504307 2007 HZ_{48} 4 14.9 294.°67 3.°0/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.15	− 4 12.5	1.755	2.615	13.4	21.5
3 22	13 51.69	− 3 30.8	1.670	2.599	9.9	21.2
4 1	13 45.05	− 2 42.6	1.608	2.584	6.0	21.0
4 11	13 36.91	− 1 53.3	1.573	2.569	3.1	20.7
4 21	13 28.22	− 1 9.1	1.564	2.554	5.0	20.8
5 1	13 20.06	− 0 36.2	1.582	2.539	9.0	21.0
5 11	13 13.37	− 0 19.0	1.624	2.525	13.0	21.2
5 21	13 8.83	− 0 19.5	1.686	2.510	16.4	21.4

502632 2015 CQ_{30} 4 14.9 306.°71 1.°1/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.12	− 8 31.6	1.806	2.654	13.6	21.5
3 22	13 52.27	− 8 8.1	1.728	2.652	10.0	21.3
4 1	13 45.31	− 7 35.6	1.675	2.650	6.0	21.0
4 11	13 36.96	− 6 58.2	1.647	2.647	1.8	20.7
4 21	13 28.19	− 6 21.0	1.647	2.645	3.3	20.8
5 1	13 20.01	− 5 49.2	1.674	2.643	7.6	21.1
5 11	13 13.36	− 5 27.8	1.726	2.640	11.5	21.3
5 21	13 8.81	− 5 19.3	1.800	2.638	15.0	21.5

262019 2006 QQ_{98} 4 14.9 247.°95 1.°6/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.98	−16 40.3	1.797	2.623	14.6	21.4
3 22	13 53.14	−16 17.7	1.703	2.610	11.3	21.1
4 1	13 45.96	−15 37.9	1.632	2.596	7.3	20.9
4 11	13 37.19	−14 43.0	1.586	2.582	3.0	20.6
4 21	13 27.80	−13 37.9	1.567	2.568	2.8	20.5
5 1	13 18.93	−12 29.2	1.577	2.553	7.1	20.7
5 11	13 11.61	−11 24.9	1.612	2.538	11.4	21.0
5 21	13 6.54	−10 31.3	1.669	2.522	15.2	21.2

393776 2005 GV_{216} 4 15.0 128.°89 1.°6/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.61	− 7 18.0	2.089	2.936	12.0	21.1
3 22	13 50.83	− 6 39.0	2.016	2.940	8.8	20.9
4 1	13 44.29	− 5 52.6	1.969	2.943	5.2	20.6
4 11	13 36.65	− 5 3.3	1.948	2.947	1.9	20.4
4 21	13 28.71	− 4 16.1	1.956	2.950	3.4	20.5
5 1	13 21.34	− 3 36.0	1.991	2.954	7.1	20.8
5 11	13 15.26	− 3 7.2	2.053	2.957	10.5	21.0
5 21	13 10.98	− 2 51.8	2.137	2.960	13.4	21.2

224103 2005 OC_{28} 4 15.0 290.°64 2.°3/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.45	− 7 53.8	1.618	2.477	14.4	21.1
3 22	13 51.47	− 6 55.4	1.523	2.453	10.7	20.8
4 1	13 45.07	− 5 43.7	1.451	2.428	6.4	20.5
4 11	13 36.97	− 4 24.4	1.405	2.404	2.5	20.2
4 21	13 28.14	− 3 5.5	1.385	2.379	4.7	20.3
5 1	13 19.77	− 1 55.8	1.391	2.354	9.4	20.5
5 11	13 12.95	− 1 2.7	1.421	2.330	13.9	20.7
5 21	13 8.46	− 0 30.4	1.471	2.305	17.9	20.9

465409 2008 JM_{11} 4 15.0 311.°22 4.°0/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.50	− 2 7.4	1.467	2.335	15.0	21.4
3 22	13 53.19	− 1 35.3	1.379	2.312	11.2	21.1
4 1	13 46.21	− 0 58.4	1.314	2.290	7.1	20.8
4 11	13 37.32	− 0 22.9	1.272	2.267	4.0	20.6
4 21	13 27.62	+ 0 4.1	1.257	2.245	6.1	20.6
5 1	13 18.44	+ 0 16.4	1.266	2.224	10.7	20.8
5 11	13 11.01	+ 0 9.7	1.297	2.203	15.2	21.0
5 21	13 6.15	− 0 17.1	1.347	2.183	19.2	21.2

423269 2004 VX_{28} 4 15.0 176.°09 3.°9/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.61	−25 30.4	2.318	3.093	13.3	21.1
3 22	13 51.61	−25 9.0	2.228	3.095	10.8	20.9
4 1	13 44.78	−24 28.2	2.162	3.096	7.8	20.7
4 11	13 36.81	−23 28.9	2.121	3.097	5.0	20.5
4 21	13 28.50	−22 14.4	2.108	3.098	3.9	20.4
5 1	13 20.74	−20 50.3	2.125	3.098	5.8	20.6
5 11	13 14.29	−19 23.9	2.169	3.098	8.8	20.7
5 21	13 9.68	−18 1.8	2.238	3.097	11.7	20.9

348894 2006 ST_{314} 4 15.0 94.°86 1.°5/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.61	− 7 51.4	2.314	3.159	11.1	21.0
3 22	13 49.17	− 6 59.6	2.247	3.169	8.1	20.8
4 1	13 43.21	− 6 0.4	2.205	3.180	4.8	20.6
4 11	13 36.33	− 4 58.5	2.191	3.190	1.7	20.4
4 21	13 29.25	− 3 58.9	2.206	3.200	3.2	20.6
5 1	13 22.69	− 3 6.6	2.249	3.210	6.5	20.8
5 11	13 17.29	− 2 25.5	2.319	3.219	9.6	21.0
5 21	13 13.47	− 1 58.0	2.412	3.229	12.3	21.2

294370 2007 VR_{117} 4 15.0 11.°35 3.°5/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.45	−22 53.6	1.943	2.747	14.5	19.9
3 22	13 49.55	−22 30.9	1.861	2.748	11.5	19.7
4 1	13 43.66	−21 47.6	1.801	2.749	8.1	19.4
4 11	13 36.50	−20 45.5	1.765	2.751	4.8	19.2
4 21	13 28.97	−19 28.9	1.757	2.753	3.6	19.2
5 1	13 22.04	−18 4.7	1.777	2.755	6.3	19.3
5 11	13 16.55	−16 40.8	1.822	2.757	9.8	19.5
5 21	13 13.04	−15 24.3	1.891	2.760	13.1	19.8

508743 2017 UP_{33} 4 15.0 256.°51 0.°9/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.07	−13 39.6	2.031	2.861	13.0	21.1
3 22	13 52.14	−13 30.7	1.944	2.854	9.8	20.9
4 1	13 45.21	−13 10.1	1.881	2.848	6.2	20.6
4 11	13 36.97	−12 40.1	1.844	2.842	2.2	20.3
4 21	13 28.27	−12 4.4	1.835	2.836	2.4	20.3
5 1	13 20.07	−11 27.7	1.855	2.830	6.4	20.6
5 11	13 13.23	−10 55.4	1.900	2.823	10.2	20.8
5 21	13 8.34	−10 31.4	1.969	2.817	13.5	21.0

199257 2006 BW_9 4 15.0 259.°18 2.°2/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.02	− 6 7.2	1.908	2.761	12.8	20.7
3 22	13 51.39	− 5 23.0	1.827	2.754	9.4	20.4
4 1	13 44.76	− 4 31.1	1.771	2.746	5.6	20.2
4 11	13 36.83	− 3 36.5	1.741	2.739	2.4	20.0
4 21	13 28.48	− 2 45.2	1.739	2.732	4.1	20.1
5 1	13 20.66	− 2 2.9	1.764	2.724	8.0	20.3
5 11	13 14.24	− 1 34.1	1.814	2.716	11.8	20.5
5 21	13 9.79	− 1 21.3	1.886	2.709	15.0	20.7

22541 1998 FC_{68} 4 15.0 108.°39 1.°5/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.95	−13 39.5	1.366	2.205	17.6	18.8
3 22	13 58.61	−13 49.9	1.303	2.218	13.3	18.6
4 1	13 49.33	−13 45.3	1.261	2.230	8.4	18.3
4 11	13 38.18	−13 27.7	1.244	2.242	3.1	18.0
4 21	13 26.55	−13 1.6	1.253	2.253	3.2	18.1
5 1	13 15.96	−12 33.2	1.288	2.265	8.3	18.4
5 11	13 7.64	−12 9.4	1.347	2.275	13.0	18.7
5 21	13 2.26	−11 55.5	1.427	2.286	17.0	19.0

10052 1987 SM_{12} 4 15.0 179.°00 0.°4/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.93	−12 59.7	2.303	3.131	11.8	18.2
3 22	13 51.01	−12 37.9	2.221	3.132	8.8	18.0
4 1	13 44.39	−12 5.6	2.163	3.132	5.4	17.8
4 11	13 36.71	−11 25.7	2.133	3.132	1.7	17.5
4 21	13 28.70	−10 41.8	2.132	3.132	2.2	17.6
5 1	13 21.18	− 9 58.8	2.160	3.132	5.8	17.8
5 11	13 14.86	− 9 21.1	2.214	3.132	9.2	18.0
5 21	13 10.23	− 8 52.2	2.292	3.131	12.1	18.2

345072 2005 JC_{52} 4 15.0 302.°61 1.°8/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.87	− 6 48.0	2.019	2.870	12.2	21.3
3 22	13 50.44	− 6 11.9	1.939	2.864	9.0	21.1
4 1	13 44.15	− 5 28.4	1.882	2.858	5.4	20.9
4 11	13 36.66	− 4 41.9	1.853	2.852	2.0	20.7
4 21	13 28.79	− 3 57.6	1.851	2.846	3.6	20.8
5 1	13 21.42	− 3 20.6	1.877	2.840	7.4	21.0
5 11	13 15.35	− 2 55.2	1.929	2.834	11.0	21.2
5 21	13 11.12	− 2 43.8	2.002	2.829	14.1	21.4

416232 2003 AK_{79} 4 15.0 33.°31 9.°6/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.83	+ 9 42.6	1.435	2.309	14.9	20.3
3 22	13 50.81	+11 34.6	1.393	2.317	12.0	20.2
4 1	13 44.47	+13 18.1	1.374	2.324	9.9	20.1
4 11	13 36.74	+14 41.7	1.379	2.333	9.8	20.1
4 21	13 28.75	+15 36.7	1.407	2.342	11.7	20.2
5 1	13 21.65	+15 58.6	1.458	2.351	14.5	20.4
5 11	13 16.37	+15 47.7	1.528	2.360	17.3	20.6
5 21	13 13.41	+15 8.1	1.615	2.370	19.8	20.8

443727 2015 LT_{15} 4 15.0 52.°22 6.°1/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.83	+ 8 26.8	2.325	3.179	10.7	20.5
3 22	13 50.08	+ 9 25.0	2.264	3.180	8.4	20.4
4 1	13 43.77	+10 18.5	2.229	3.181	6.6	20.3
4 11	13 36.52	+11 1.3	2.221	3.182	6.1	20.2
4 21	13 29.04	+11 28.9	2.240	3.183	7.5	20.3
5 1	13 22.08	+11 38.2	2.285	3.184	9.7	20.4
5 11	13 16.29	+11 28.4	2.353	3.185	12.0	20.6
5 21	13 12.11	+11 0.6	2.442	3.187	14.1	20.8

171799 2001 DO_{32} 4 15.0 67.°39 1.°8/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.83	− 7 38.1	1.476	2.334	15.5	19.6
3 22	13 53.84	− 7 6.0	1.413	2.341	11.4	19.4
4 1	13 46.36	− 6 24.2	1.371	2.348	6.8	19.1
4 11	13 37.32	− 5 38.3	1.355	2.355	2.3	18.9
4 21	13 27.89	− 4 54.7	1.365	2.362	4.1	19.0
5 1	13 19.30	− 4 20.1	1.401	2.369	8.8	19.3
5 11	13 12.60	− 3 59.6	1.460	2.376	13.2	19.6
5 21	13 8.38	− 3 55.5	1.540	2.383	16.8	19.8

503760 2016 NT_{23} 4 15.0 207.°41 0.°8/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.80	−10 13.2	2.326	3.165	11.3	21.4
3 22	13 49.42	− 9 23.8	2.244	3.163	8.3	21.2
4 1	13 43.43	− 8 24.7	2.186	3.160	4.9	21.0
4 11	13 36.45	− 7 20.0	2.157	3.157	1.4	20.8
4 21	13 29.16	− 6 14.8	2.157	3.154	2.7	20.9
5 1	13 22.33	− 5 14.4	2.186	3.151	6.3	21.1
5 11	13 16.64	− 4 23.7	2.241	3.148	9.6	21.3
5 21	13 12.55	− 3 45.7	2.320	3.145	12.5	21.5

515747 2015 FH_1 4 15.0 69.°18 2.°4/16.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.79	−15 36.2	1.750	2.573	15.1	21.0
3 22	13 56.49	−16 6.2	1.685	2.588	11.6	20.8
4 1	13 47.85	−16 23.2	1.643	2.605	7.5	20.6
4 11	13 37.75	−16 27.8	1.627	2.621	3.6	20.4
4 21	13 27.27	−16 22.4	1.638	2.637	3.1	20.4
5 1	13 17.59	−16 10.9	1.677	2.653	6.9	20.7
5 11	13 9.71	−15 58.6	1.742	2.669	10.7	20.9
5 21	13 4.21	−15 50.1	1.830	2.685	14.0	21.2

165194 2000 RD_5 4 15.0 223.°36 0.°1/14.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.43	−11 20.7	1.980	2.810	13.3	21.5
3 22	13 55.47	−11 2.3	1.886	2.799	10.0	21.3
4 1	13 47.30	−10 32.9	1.816	2.786	6.1	21.0
4 11	13 37.62	− 9 55.4	1.773	2.773	1.8	20.7
4 21	13 27.36	− 9 14.1	1.760	2.759	2.7	20.7
5 1	13 17.59	− 8 34.2	1.775	2.745	7.1	21.0
5 11	13 9.26	− 8 1.2	1.816	2.729	11.1	21.2
5 21	13 3.05	− 7 39.1	1.880	2.712	14.7	21.4

502438 2015 BH_{276} 4 15.0 54.°87 2.°7/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.77	− 4 46.2	1.852	2.709	12.9	21.4
3 22	13 51.16	− 3 59.5	1.784	2.712	9.5	21.1
4 1	13 44.58	− 3 6.7	1.739	2.715	5.7	20.9
4 11	13 36.79	− 2 13.3	1.721	2.718	2.8	20.7
4 21	13 28.67	− 1 25.4	1.731	2.721	4.5	20.9
5 1	13 21.19	− 0 48.3	1.768	2.724	8.3	21.1
5 11	13 15.15	− 0 26.1	1.829	2.728	11.8	21.3
5 21	13 11.09	− 0 20.3	1.911	2.731	14.9	21.5

455861 2005 UN_{42} 4 15.0 211.°67 1.°0/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.82	− 8 45.0	1.668	2.511	14.8	21.8
3 22	13 56.78	− 8 24.3	1.585	2.505	11.0	21.6
4 1	13 48.20	− 7 53.6	1.525	2.498	6.6	21.3
4 11	13 37.90	− 7 16.9	1.491	2.491	2.0	21.0
4 21	13 26.99	− 6 39.3	1.485	2.483	3.5	21.1
5 1	13 16.72	− 6 6.9	1.506	2.474	8.3	21.3
5 11	13 8.21	− 5 45.2	1.553	2.464	12.8	21.6
5 21	13 2.17	− 5 37.3	1.620	2.454	16.5	21.8

237039 2008 SM_{106} 4 15.0 185.°97 0.°7/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.54	− 9 46.2	2.174	3.012	12.0	21.2
3 22	13 51.53	− 9 16.1	2.094	3.012	8.9	21.0
4 1	13 44.75	− 8 37.1	2.039	3.011	5.3	20.8
4 11	13 36.84	− 7 52.8	2.011	3.011	1.5	20.5
4 21	13 28.59	− 7 7.7	2.012	3.010	2.7	20.6
5 1	13 20.86	− 6 26.7	2.041	3.009	6.5	20.8
5 11	13 14.39	− 5 54.1	2.097	3.007	10.0	21.0
5 21	13 9.71	− 5 33.0	2.176	3.005	13.0	21.2

162522 2000 QR_{122} 4 15.0 201.°69 3.°5/17.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.15	−20 49.8	2.018	2.813	14.4	21.1
3 22	13 56.05	−20 57.7	1.925	2.809	11.4	20.9
4 1	13 47.67	−20 48.7	1.855	2.804	7.9	20.6
4 11	13 37.73	−20 23.1	1.812	2.798	4.6	20.4
4 21	13 27.23	−19 43.3	1.797	2.791	3.7	20.4
5 1	13 17.25	−18 54.0	1.810	2.783	6.6	20.5
5 11	13 8.81	−18 2.0	1.850	2.775	10.3	20.7
5 21	13 2.58	−17 13.7	1.913	2.766	13.6	20.9

505386 2013 PA_{11} 4 15.0 271.°27 9.°4/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.81	−35 28.3	1.908	2.633	17.4	22.0
3 22	13 55.81	−36 10.3	1.796	2.608	15.3	21.8
4 1	13 47.95	−36 26.7	1.701	2.582	12.9	21.6
4 11	13 37.92	−36 12.5	1.629	2.556	10.7	21.4
4 21	13 26.84	−35 25.6	1.580	2.529	9.5	21.2
5 1	13 16.12	−34 8.7	1.556	2.502	10.1	21.2
5 11	13 7.15	−32 30.0	1.557	2.474	12.4	21.3
5 21	13 0.87	−30 40.6	1.580	2.445	15.3	21.4

230091 2000 XH_5 4 15.0 140.°80 1.°8/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.98	−16 34.3	2.321	3.129	12.3	21.0
3 22	13 53.96	−16 35.0	2.244	3.140	9.4	20.9
4 1	13 46.16	−16 23.7	2.192	3.151	6.1	20.7
4 11	13 37.24	−16 2.1	2.167	3.161	2.8	20.5
4 21	13 28.03	−15 32.7	2.172	3.171	2.4	20.5
5 1	13 19.37	−14 59.8	2.206	3.180	5.6	20.7
5 11	13 12.04	−14 27.8	2.267	3.188	8.8	20.9
5 21	13 6.53	−14 0.9	2.353	3.196	11.7	21.1

371036 2005 UZ_{151} 4 15.0 141.°96 0.°2/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.46	−12 18.4	2.118	2.947	12.6	22.5
3 22	13 52.93	−11 54.5	2.044	2.956	9.4	22.3
4 1	13 45.57	−11 20.0	1.996	2.965	5.7	22.1
4 11	13 37.08	−10 38.1	1.974	2.974	1.7	21.9
4 21	13 28.29	− 9 52.9	1.982	2.982	2.4	21.9
5 1	13 20.11	− 9 9.6	2.018	2.989	6.3	22.2
5 11	13 13.30	− 8 33.0	2.081	2.996	9.8	22.4
5 21	13 8.38	− 8 6.5	2.167	3.003	12.9	22.6

308402 2005 SL_{76} 4 15.0 252.°42 0.°3/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.72	−10 48.9	2.771	3.599	10.0	22.0
3 22	13 49.98	−10 20.7	2.668	3.580	7.4	21.8
4 1	13 43.76	− 9 44.2	2.590	3.561	4.5	21.6
4 11	13 36.57	− 9 2.2	2.541	3.541	1.3	21.3
4 21	13 29.00	− 8 18.0	2.522	3.521	2.1	21.4
5 1	13 21.73	− 7 35.4	2.532	3.500	5.4	21.6
5 11	13 15.38	− 6 58.6	2.570	3.479	8.5	21.7
5 21	13 10.44	− 6 30.3	2.633	3.457	11.2	21.9

497143 2004 RG_{39} 4 15.0 195.°78 0.°1/15.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.17	−11 26.8	2.303	3.131	11.7	21.9
3 22	13 52.69	−11 6.6	2.217	3.129	8.8	21.7
4 1	13 45.45	−10 36.9	2.156	3.126	5.3	21.5
4 11	13 37.06	−10 0.7	2.123	3.122	1.6	21.2
4 21	13 28.31	− 9 21.6	2.119	3.118	2.3	21.3
5 1	13 20.03	− 8 44.2	2.144	3.114	6.1	21.5
5 11	13 12.98	− 8 12.7	2.196	3.109	9.5	21.7
5 21	13 7.68	− 7 50.5	2.272	3.103	12.5	21.9

895 Helio 4 15.0 113.°72 7.°9/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.50	−41 47.4	2.751	3.405	14.1	14.1
3 22	13 52.27	−41 59.2	2.666	3.416	12.5	13.9
4 1	13 45.19	−41 47.7	2.600	3.428	10.8	13.8
4 11	13 36.97	−41 11.3	2.556	3.439	9.2	13.7
4 21	13 28.48	−40 10.7	2.536	3.450	8.1	13.7
5 1	13 20.61	−38 49.4	2.543	3.461	8.0	13.7
5 11	13 14.14	−37 13.6	2.575	3.471	8.9	13.8
5 21	13 9.57	−35 30.7	2.633	3.482	10.5	13.9

387009 2012 RX_{13} 4 15.0 237.°41 5.°4/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.86	−27 58.4	2.440	3.194	13.3	21.1
3 22	13 53.46	−28 20.8	2.335	3.182	11.1	20.9
4 1	13 46.06	−28 25.6	2.253	3.169	8.6	20.8
4 11	13 37.29	−28 11.6	2.196	3.155	6.3	20.6
4 21	13 27.95	−27 39.4	2.167	3.141	5.4	20.5
5 1	13 18.98	−26 52.4	2.165	3.127	6.6	20.6
5 11	13 11.27	−25 56.1	2.191	3.112	9.1	20.7
5 21	13 5.43	−24 56.9	2.241	3.097	11.8	20.8

404971 1999 TY_{214} 4 15.0 182.°64 0.°8/14.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.97	−10 9.6	2.211	3.042	12.0	22.7
3 22	13 53.30	− 9 26.2	2.129	3.044	8.9	22.5
4 1	13 45.81	− 8 32.9	2.072	3.044	5.3	22.2
4 11	13 37.17	− 7 33.7	2.044	3.044	1.5	22.0
4 21	13 28.21	− 6 33.7	2.045	3.042	2.8	22.1
5 1	13 19.77	− 5 38.3	2.076	3.040	6.6	22.3
5 11	13 12.64	− 4 52.5	2.133	3.037	10.1	22.5
5 21	13 7.34	− 4 19.5	2.214	3.033	13.2	22.7

269625 2010 XE_{51} 4 15.0 53.°06 2.°7/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.89	−18 11.4	1.598	2.425	16.1	20.8
3 22	13 53.09	−18 11.0	1.532	2.437	12.4	20.6
4 1	13 45.90	−17 52.5	1.488	2.449	8.2	20.4
4 11	13 37.22	−17 17.9	1.468	2.461	4.1	20.2
4 21	13 28.16	−16 31.6	1.475	2.474	3.3	20.1
5 1	13 19.92	−15 40.1	1.508	2.487	7.1	20.4
5 11	13 13.48	−14 51.1	1.566	2.499	11.2	20.7
5 21	13 9.44	−14 10.3	1.645	2.513	14.7	20.9

377374 2004 RY_{185} 4 15.0 208.°34 1.°7/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.52	−17 12.2	2.064	2.882	13.3	20.9
3 22	13 51.71	−16 49.0	1.977	2.879	10.2	20.7
4 1	13 44.96	−16 10.5	1.914	2.876	6.6	20.5
4 11	13 36.95	−15 19.2	1.877	2.872	2.9	20.3
4 21	13 28.53	−14 19.1	1.868	2.868	2.5	20.2
5 1	13 20.63	−13 16.2	1.888	2.864	6.2	20.4
5 11	13 14.09	−12 16.9	1.934	2.860	9.9	20.7
5 21	13 9.48	−11 26.4	2.004	2.855	13.1	20.9

241177 2007 RZ_{227} 4 15.0 193.°19 0.°6/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.52	− 9 44.7	2.298	3.135	11.4	21.0
3 22	13 50.71	− 9 17.3	2.217	3.134	8.4	20.8
4 1	13 44.24	− 8 41.7	2.161	3.134	5.0	20.6
4 11	13 36.72	− 8 1.1	2.132	3.132	1.4	20.3
4 21	13 28.88	− 7 19.7	2.133	3.131	2.6	20.4
5 1	13 21.52	− 6 41.9	2.162	3.130	6.2	20.6
5 11	13 15.33	− 6 11.9	2.218	3.128	9.5	20.8
5 21	13 10.81	− 5 52.4	2.297	3.127	12.4	21.0

467874 2011 CF_7 4 15.0 305.°67 0.°4/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.89	−12 33.7	1.611	2.458	15.0	21.4
3 22	13 51.84	−12 15.2	1.519	2.440	11.3	21.1
4 1	13 45.35	−11 42.4	1.450	2.422	7.0	20.8
4 11	13 37.13	−10 58.3	1.405	2.405	2.2	20.5
4 21	13 28.22	−10 8.2	1.387	2.387	2.9	20.5
5 1	13 19.80	− 9 18.9	1.394	2.370	7.9	20.8
5 11	13 13.01	− 8 37.4	1.426	2.354	12.5	21.0
5 21	13 8.57	− 8 9.0	1.479	2.337	16.6	21.2

282545 2004 TL_{68} 4 15.0 237.°02 3.°3/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.41	− 1 57.8	2.158	3.008	11.6	20.8
3 22	13 52.26	− 1 10.9	2.072	2.996	8.6	20.6
4 1	13 45.26	− 0 20.1	2.012	2.984	5.4	20.3
4 11	13 37.04	+ 0 29.4	1.979	2.971	3.3	20.2
4 21	13 28.41	+ 1 12.3	1.975	2.958	5.0	20.3
5 1	13 20.23	+ 1 43.8	1.999	2.944	8.2	20.4
5 11	13 13.30	+ 2 0.6	2.048	2.930	11.5	20.6
5 21	13 8.16	+ 2 1.3	2.119	2.916	14.4	20.8

283602 2001 YL_{118} 4 15.0 155.°04 5.°7/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.80	+11 30.7	3.021	3.861	8.9	21.1
3 22	13 49.73	+12 32.5	2.967	3.869	7.2	21.0
4 1	13 43.45	+13 28.5	2.940	3.876	5.9	21.0
4 11	13 36.46	+14 14.1	2.941	3.883	5.8	20.9
4 21	13 29.32	+14 45.8	2.970	3.890	6.8	21.0
5 1	13 22.61	+15 1.2	3.026	3.896	8.5	21.1
5 11	13 16.84	+14 59.8	3.106	3.901	10.3	21.3
5 21	13 12.35	+14 42.5	3.206	3.906	11.9	21.4

270399 2002 AP_{189} 4 15.0 359.°97 18.°8/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.80	−54 6.0	1.514	2.132	25.0	19.4
3 22	13 54.43	−56 1.3	1.443	2.129	23.8	19.3
4 1	13 47.86	−57 18.0	1.383	2.127	22.4	19.1
4 11	13 38.03	−57 46.8	1.335	2.126	21.0	19.0
4 21	13 26.82	−57 21.6	1.301	2.127	19.8	18.9
5 1	13 16.71	−56 2.0	1.282	2.129	19.0	18.8
5 11	13 9.83	−53 56.3	1.280	2.132	18.9	18.8
5 21	13 7.27	−51 18.0	1.295	2.137	19.5	18.9

188761 2005 UJ_{324} 4 15.0 228.°32 0.°7/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.22	−10 28.8	2.117	2.953	12.3	21.6
3 22	13 52.19	− 9 49.5	2.026	2.943	9.2	21.4
4 1	13 45.25	− 8 59.4	1.960	2.932	5.5	21.1
4 11	13 37.05	− 8 2.4	1.921	2.921	1.6	20.8
4 21	13 28.41	− 7 3.5	1.911	2.909	2.8	20.9
5 1	13 20.23	− 6 8.5	1.930	2.897	6.9	21.1
5 11	13 13.33	− 5 22.7	1.975	2.884	10.6	21.3
5 21	13 8.29	− 4 49.7	2.042	2.870	13.8	21.5

217296 2004 HK_{44} 4 15.0 334.°43 3.°7/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.07	−19 6.1	1.189	2.034	19.4	19.7
3 22	13 53.42	−19 11.5	1.114	2.028	15.2	19.4
4 1	13 46.60	−18 52.8	1.058	2.022	10.3	19.1
4 11	13 37.54	−18 10.6	1.024	2.017	5.4	18.8
4 21	13 27.67	−17 9.9	1.013	2.012	4.3	18.7
5 1	13 18.63	−15 59.8	1.026	2.008	8.9	19.0
5 11	13 11.88	−14 51.7	1.061	2.005	14.1	19.2
5 21	13 8.25	−13 55.1	1.115	2.002	18.8	19.5

104174 2000 EY_{83} 4 15.0 287.°33 2.°9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.60	− 4 7.7	1.993	2.849	12.1	19.5
3 22	13 50.30	− 3 16.0	1.911	2.839	8.9	19.3
4 1	13 44.12	− 2 18.1	1.854	2.829	5.5	19.0
4 11	13 36.72	− 1 19.6	1.824	2.819	2.9	18.9
4 21	13 28.92	− 0 26.3	1.822	2.809	4.7	18.9
5 1	13 21.60	+ 0 16.2	1.847	2.800	8.2	19.1
5 11	13 15.58	+ 0 43.6	1.896	2.790	11.7	19.3
5 21	13 11.41	+ 0 54.0	1.967	2.780	14.8	19.5

95906 2003 HJ_{30} 4 15.0 314.°96 0.°5/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.90	−11 46.1	1.529	2.379	15.5	19.2
3 22	13 52.79	−11 46.7	1.435	2.357	11.8	18.9
4 1	13 46.04	−11 34.9	1.362	2.335	7.3	18.5
4 11	13 37.38	−11 13.2	1.315	2.314	2.4	18.2
4 21	13 27.86	−10 45.6	1.292	2.293	3.0	18.2
5 1	13 18.81	−10 17.9	1.296	2.273	8.2	18.4
5 11	13 11.44	− 9 56.6	1.323	2.253	13.1	18.6
5 21	13 6.61	− 9 46.5	1.370	2.234	17.3	18.8

303864 2005 SU_{268} 4 15.0 249.°99 1.°4/16.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.45	−19 25.2	2.691	3.492	11.0	21.4
3 22	13 49.10	−18 27.0	2.585	3.477	8.5	21.2
4 1	13 43.25	−17 13.0	2.504	3.462	5.6	20.9
4 11	13 36.45	−15 45.7	2.452	3.446	2.5	20.7
4 21	13 29.33	−14 9.6	2.430	3.430	2.0	20.6
5 1	13 22.57	−12 30.8	2.439	3.413	5.1	20.8
5 11	13 16.82	−10 55.4	2.476	3.397	8.2	21.0
5 21	13 12.53	− 9 28.9	2.540	3.380	11.1	21.2

301346 2009 CS_7 4 15.0 145.°36 3.°0/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.99	− 5 3.0	1.779	2.630	13.6	21.7
3 22	13 54.28	− 3 58.8	1.716	2.641	10.0	21.5
4 1	13 46.47	− 2 47.5	1.677	2.651	6.0	21.3
4 11	13 37.38	− 1 35.7	1.665	2.661	3.1	21.1
4 21	13 28.02	− 0 30.5	1.681	2.669	5.0	21.3
5 1	13 19.41	+ 0 21.6	1.725	2.678	8.8	21.5
5 11	13 12.44	+ 0 56.3	1.794	2.685	12.4	21.8
5 21	13 7.62	+ 1 12.2	1.884	2.691	15.6	22.0

6204 MacKenzie 4 15.0 327.°82 2.°7/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.83	− 5 35.8	1.147	2.022	17.8	17.1
3 22	13 54.69	− 5 18.0	1.075	2.011	13.3	16.7
4 1	13 47.35	− 4 51.4	1.023	2.002	8.0	16.4
4 11	13 37.77	− 4 22.2	0.994	1.993	3.1	16.1
4 21	13 27.36	− 3 57.5	0.988	1.984	5.3	16.2
5 1	13 17.77	− 3 44.5	1.006	1.977	10.9	16.5
5 11	13 10.46	− 3 48.7	1.044	1.970	16.2	16.7
5 21	13 6.28	− 4 11.9	1.100	1.964	20.7	17.0

427765 2004 TD_{149} 4 15.0 358.°56 2.°4/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.10	−14 35.6	1.659	2.489	15.5	20.7
3 22	13 56.34	−15 15.4	1.580	2.487	11.9	20.5
4 1	13 48.01	−15 43.8	1.523	2.487	7.8	20.2
4 11	13 37.91	−16 0.7	1.492	2.486	3.6	20.0
4 21	13 27.17	−16 7.7	1.487	2.486	3.3	20.0
5 1	13 17.08	−16 8.2	1.510	2.486	7.4	20.2
5 11	13 8.78	−16 7.0	1.558	2.487	11.5	20.4
5 21	13 3.00	−16 8.9	1.628	2.488	15.2	20.7

333084 2011 UH_{131} 4 15.0 327.°62 0.°4/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.12	− 8 56.1	1.170	2.038	18.0	19.7
3 22	13 55.00	− 9 7.1	1.092	2.024	13.6	19.4
4 1	13 47.62	− 9 7.7	1.034	2.011	8.3	19.1
4 11	13 37.88	− 9 1.1	0.999	1.999	2.4	18.7
4 21	13 27.16	− 8 52.0	0.987	1.987	3.9	18.7
5 1	13 17.17	− 8 46.4	0.999	1.977	9.9	19.0
5 11	13 9.42	− 8 50.3	1.032	1.967	15.4	19.3
5 21	13 4.86	− 9 7.5	1.083	1.958	20.1	19.5

425000 2009 CG_{61} 4 15.0 341.°12 6.°0/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.33	+ 5 33.6	2.043	2.904	11.7	20.5
3 22	13 49.96	+ 6 44.4	1.979	2.902	9.0	20.3
4 1	13 43.83	+ 7 52.9	1.941	2.901	6.7	20.2
4 11	13 36.62	+ 8 52.2	1.929	2.899	6.0	20.1
4 21	13 29.12	+ 9 36.2	1.944	2.898	7.6	20.2
5 1	13 22.18	+10 0.6	1.985	2.897	10.2	20.4
5 11	13 16.53	+10 4.0	2.048	2.896	12.9	20.5
5 21	13 12.65	+ 9 46.9	2.132	2.895	15.4	20.7

7385 Aktsynovia 4 15.0 116.°31 2.°0/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.25	− 6 56.9	1.665	2.516	14.4	17.9
3 22	13 54.61	− 6 19.4	1.603	2.528	10.6	17.7
4 1	13 46.73	− 5 33.7	1.564	2.539	6.3	17.5
4 11	13 37.48	− 4 45.3	1.552	2.551	2.3	17.2
4 21	13 27.93	− 4 0.1	1.567	2.562	4.1	17.4
5 1	13 19.19	− 3 24.2	1.609	2.572	8.3	17.7
5 11	13 12.20	− 3 2.0	1.676	2.582	12.3	17.9
5 21	13 7.49	− 2 55.4	1.763	2.592	15.6	18.2

94751 2001 XE_{86} 4 15.0 120.°68 0.°2/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.59	−12 15.9	1.553	2.397	15.6	19.8
3 22	13 54.34	−11 39.8	1.486	2.406	11.6	19.6
4 1	13 46.67	−10 49.1	1.442	2.415	7.0	19.3
4 11	13 37.48	− 9 48.6	1.424	2.424	2.0	19.0
4 21	13 27.92	− 8 45.0	1.432	2.432	3.1	19.1
5 1	13 19.19	− 7 46.0	1.468	2.440	8.0	19.4
5 11	13 12.32	− 6 58.3	1.528	2.448	12.3	19.7
5 21	13 7.89	− 6 26.3	1.608	2.456	16.0	20.0

458849 2011 UX_{74} 4 15.0 148.°13 2.°0/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.90	− 6 31.2	1.729	2.576	14.2	21.9
3 22	13 55.81	− 5 59.5	1.662	2.584	10.4	21.7
4 1	13 47.46	− 5 20.3	1.618	2.592	6.2	21.5
4 11	13 37.70	− 4 38.5	1.601	2.600	2.3	21.3
4 21	13 27.59	− 3 59.8	1.612	2.606	4.0	21.4
5 1	13 18.26	− 3 29.7	1.650	2.612	8.3	21.6
5 11	13 10.64	− 3 12.3	1.714	2.618	12.2	21.9
5 21	13 5.32	− 3 9.8	1.799	2.623	15.5	22.1

235118 2003 QU_7 4 15.0 176.°72 2.°2/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.95	−18 46.2	2.628	3.425	11.4	21.9
3 22	13 52.39	−18 40.5	2.540	3.427	8.8	21.7
4 1	13 45.23	−18 22.5	2.476	3.429	5.9	21.5
4 11	13 37.04	−17 53.3	2.440	3.430	3.1	21.3
4 21	13 28.54	−17 15.6	2.434	3.431	2.5	21.3
5 1	13 20.47	−16 33.2	2.457	3.431	5.1	21.5
5 11	13 13.52	−15 50.6	2.508	3.430	8.1	21.6
5 21	13 8.18	−15 12.0	2.585	3.429	10.8	21.8

158735 2003 OG_{19} 4 15.0 288.°21 2.°4/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.28	−18 58.2	1.867	2.687	14.4	19.8
3 22	13 51.17	−18 38.6	1.767	2.668	11.3	19.6
4 1	13 44.86	−18 0.5	1.689	2.648	7.6	19.3
4 11	13 37.01	−17 5.4	1.636	2.629	3.7	19.0
4 21	13 28.53	−15 57.3	1.611	2.610	3.0	18.9
5 1	13 20.50	−14 42.8	1.612	2.591	6.8	19.1
5 11	13 13.89	−13 30.0	1.640	2.571	10.9	19.3
5 21	13 9.42	−12 25.8	1.690	2.552	14.7	19.5

153928 2001 YB_{61} 4 15.0 181.°23 1.°1/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.97	− 8 34.2	2.090	2.930	12.3	20.4
3 22	13 52.67	− 8 1.7	2.012	2.931	9.1	20.2
4 1	13 45.50	− 7 20.8	1.958	2.931	5.4	19.9
4 11	13 37.14	− 6 35.5	1.932	2.931	1.7	19.7
4 21	13 28.43	− 5 50.6	1.934	2.931	3.1	19.8
5 1	13 20.27	− 5 11.2	1.965	2.930	6.9	20.0
5 11	13 13.45	− 4 41.5	2.022	2.929	10.5	20.2
5 21	13 8.50	− 4 24.3	2.102	2.927	13.6	20.4

2618 Coonabarabran 4 15.0 216.°68 3.°8/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.76	−24 26.5	2.562	3.338	12.2	17.8
3 22	13 50.94	−24 25.2	2.466	3.332	9.8	17.6
4 1	13 44.44	−24 8.0	2.393	3.327	7.2	17.4
4 11	13 36.84	−23 35.1	2.346	3.321	4.7	17.3
4 21	13 28.85	−22 48.7	2.328	3.315	3.8	17.2
5 1	13 21.28	−21 52.9	2.338	3.309	5.5	17.3
5 11	13 14.85	−20 53.0	2.376	3.303	8.2	17.4
5 21	13 10.06	−19 54.5	2.438	3.296	10.9	17.6

147668 2004 KQ_{12} 4 15.0 284.°03 6.°3/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.70	+ 7 27.5	2.244	3.102	10.9	19.8
3 22	13 49.46	+ 8 45.1	2.169	3.087	8.6	19.6
4 1	13 43.56	+10 0.3	2.119	3.072	6.7	19.5
4 11	13 36.58	+11 6.0	2.096	3.057	6.4	19.4
4 21	13 29.24	+11 56.4	2.100	3.042	7.9	19.5
5 1	13 22.32	+12 27.1	2.129	3.027	10.4	19.6
5 11	13 16.55	+12 36.0	2.182	3.011	12.9	19.7
5 21	13 12.42	+12 23.8	2.254	2.996	15.2	19.9

62866 2000 UX_{82} 4 15.0 136.°81 1.°7/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.05	− 6 28.9	2.422	3.267	10.7	19.8
3 22	13 49.53	− 5 48.0	2.348	3.271	7.8	19.6
4 1	13 43.50	− 5 1.3	2.299	3.274	4.6	19.4
4 11	13 36.54	− 4 12.7	2.278	3.277	1.8	19.2
4 21	13 29.34	− 3 26.6	2.287	3.280	3.2	19.3
5 1	13 22.59	− 2 47.3	2.323	3.282	6.4	19.5
5 11	13 16.94	− 2 18.4	2.386	3.285	9.4	19.7
5 21	13 12.83	− 2 1.7	2.472	3.288	12.1	19.9

188525 2004 RM_{106} 4 15.0 200.°91 0.°1/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.42	−12 58.1	2.082	2.915	12.6	20.4
3 22	13 50.84	−12 8.3	1.998	2.913	9.4	20.1
4 1	13 44.42	−11 5.4	1.939	2.911	5.7	19.9
4 11	13 36.83	− 9 53.4	1.908	2.908	1.6	19.6
4 21	13 28.89	− 8 38.1	1.905	2.905	2.5	19.7
5 1	13 21.48	− 7 25.9	1.931	2.902	6.6	19.9
5 11	13 15.37	− 6 22.9	1.983	2.898	10.3	20.2
5 21	13 11.09	− 5 33.4	2.058	2.894	13.4	20.4

311290 2005 GW_{50} 4 15.0 23.°89 1.°9/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.82	− 5 55.0	1.356	2.218	16.4	19.9
3 22	13 55.59	− 5 49.7	1.291	2.221	12.1	19.6
4 1	13 47.59	− 5 37.6	1.248	2.225	7.3	19.3
4 11	13 37.80	− 5 23.3	1.230	2.230	2.5	19.1
4 21	13 27.51	− 5 12.0	1.237	2.234	4.3	19.2
5 1	13 18.12	− 5 8.8	1.270	2.239	9.3	19.5
5 11	13 10.80	− 5 17.7	1.325	2.245	13.9	19.8
5 21	13 6.22	− 5 40.3	1.400	2.251	17.8	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
292365	2006 SB_{246}		4 15.0	10.°83	1.°2/14.2	17
	h m	° ′			°	m
3 12	13 55.36	− 9 49.1	1.268	2.136	16.9	20.2
3 22	13 51.69	− 9 14.3	1.204	2.137	12.5	19.9
4 1	13 45.29	− 8 25.5	1.161	2.139	7.5	19.6
4 11	13 37.14	− 7 28.5	1.142	2.142	2.2	19.3
4 21	13 28.49	− 6 31.4	1.147	2.146	4.0	19.4
5 1	13 20.71	− 5 42.6	1.176	2.150	9.3	19.7
5 11	13 14.95	− 5 9.0	1.228	2.156	14.1	20.0
5 21	13 11.87	− 4 54.3	1.299	2.162	18.2	20.3
473257	2015 MF_{24}		4 15.0	267.°08	2.°6/12.6	17
3 12	13 57.23	− 2 25.6	2.258	3.106	11.2	20.8
3 22	13 52.03	− 2 3.9	2.176	3.099	8.3	20.6
4 1	13 45.09	− 1 39.6	2.119	3.092	5.1	20.4
4 11	13 37.04	− 1 16.6	2.090	3.085	2.7	20.2
4 21	13 28.62	− 0 58.9	2.090	3.078	4.1	20.3
5 1	13 20.66	− 0 50.0	2.118	3.071	7.3	20.5
5 11	13 13.90	− 0 52.4	2.172	3.064	10.5	20.7
5 21	13 8.86	− 1 7.1	2.248	3.057	13.3	20.9
201468	2003 FL_{130}		4 15.0	304.°09	1.°6/13.6	17
3 12	13 52.99	−11 5.3	1.605	2.461	14.6	20.6
3 22	13 49.74	− 9 49.1	1.504	2.432	10.9	20.3
4 1	13 44.13	− 8 13.6	1.427	2.404	6.5	20.0
4 11	13 36.84	− 6 24.7	1.375	2.375	2.1	19.6
4 21	13 28.82	− 4 31.5	1.350	2.347	4.2	19.7
5 1	13 21.22	− 2 44.8	1.352	2.319	9.2	19.9
5 11	13 15.14	− 1 14.5	1.378	2.291	14.0	20.1
5 21	13 11.34	− 0 7.0	1.424	2.263	18.1	20.3
138841	2000 VT_{15}		4 15.0	38.°61	0.°9/15.8	18
3 12	13 54.06	−16 44.7	1.340	2.189	17.3	18.5
3 22	13 50.35	−15 42.6	1.294	2.214	13.0	18.3
4 1	13 44.23	−14 19.4	1.268	2.240	8.0	18.1
4 11	13 36.76	−12 42.0	1.268	2.266	2.8	17.9
4 21	13 29.14	−11 0.3	1.293	2.294	2.9	18.0
5 1	13 22.54	− 9 24.7	1.343	2.322	7.8	18.3
5 11	13 17.88	− 8 4.2	1.418	2.350	12.2	18.6
5 21	13 15.60	− 7 3.8	1.513	2.379	15.9	18.9
38298	1999 RD_{88}		4 15.0	281.°62	4.°2/17.9	18
3 12	14 1.90	−20 4.9	1.902	2.704	14.8	18.7
3 22	13 56.17	−20 48.9	1.805	2.692	11.9	18.5
4 1	13 47.96	−21 19.0	1.731	2.679	8.4	18.2
4 11	13 37.96	−21 33.8	1.683	2.666	5.2	18.0
4 21	13 27.18	−21 33.6	1.662	2.653	4.5	17.9
5 1	13 16.81	−21 21.3	1.668	2.640	7.2	18.0
5 11	13 7.98	−21 2.4	1.701	2.628	10.9	18.2
5 21	13 1.48	−20 42.7	1.756	2.615	14.3	18.4
169648	2002 JN_{37}		4 15.0	333.°77	4.°5/18.4	17
3 12	13 56.36	−22 2.8	1.391	2.216	18.2	19.6
3 22	13 52.56	−22 4.5	1.312	2.211	14.5	19.3
4 1	13 45.93	−21 41.5	1.252	2.206	10.2	19.1
4 11	13 37.37	−20 54.0	1.215	2.202	6.0	18.8
4 21	13 28.12	−19 46.3	1.202	2.198	4.7	18.7
5 1	13 19.61	−18 26.6	1.214	2.194	8.2	18.9
5 11	13 13.11	−17 5.8	1.249	2.191	12.7	19.1
5 21	13 9.39	−15 53.6	1.305	2.188	16.8	19.4
411661	2011 WM_{29}		4 15.1	241.°22	0.°9/15.6	16
3 12	14 2.86	−12 1.6	1.532	2.372	16.0	21.5
3 22	13 57.10	−12 13.5	1.451	2.367	12.1	21.2
4 1	13 48.57	−12 13.7	1.392	2.362	7.6	20.9
4 11	13 38.14	−12 4.2	1.358	2.357	2.6	20.6
4 21	13 27.00	−11 48.2	1.351	2.351	3.0	20.6
5 1	13 16.55	−11 31.0	1.370	2.346	8.1	20.9
5 11	13 8.00	−11 18.2	1.415	2.340	12.7	21.2
5 21	13 2.15	−11 14.4	1.480	2.335	16.8	21.4
162418	2000 ER_{46}		4 15.1	45.°58	0.°4/14.6	17
3 12	13 55.12	−10 56.2	1.902	2.746	13.2	19.8
3 22	13 50.70	−10 23.4	1.831	2.752	9.7	19.5
4 1	13 44.36	− 9 39.8	1.784	2.757	5.8	19.3
4 11	13 36.83	− 8 49.5	1.763	2.763	1.6	19.0
4 21	13 28.98	− 7 57.7	1.770	2.770	2.8	19.1
5 1	13 21.75	− 7 10.1	1.805	2.776	6.9	19.4
5 11	13 15.94	− 6 32.1	1.865	2.783	10.6	19.6
5 21	13 12.06	− 6 6.8	1.947	2.789	13.8	19.9
39052	2000 UL_{99}		4 15.1	131.°50	0.°1/14.9	18 R
3 12	13 56.76	−10 7.2	2.484	3.314	10.9	19.2
3 22	13 51.52	− 9 59.9	2.405	3.318	8.1	19.0
4 1	13 44.71	− 9 45.7	2.352	3.323	4.9	18.8
4 11	13 36.93	− 9 26.7	2.327	3.327	1.4	18.5
4 21	13 28.85	− 9 6.1	2.331	3.330	2.2	18.6
5 1	13 21.24	− 8 47.2	2.364	3.334	5.6	18.8
5 11	13 14.75	− 8 33.3	2.425	3.338	8.7	19.0
5 21	13 9.84	− 8 26.8	2.509	3.341	11.4	19.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
169541	2002 EX_{83}		4 15.1	323.°76	0.°2/15.1	17
	h m	° ′			°	m
3 12	13 56.16	−11 14.7	1.213	2.079	17.6	19.7
3 22	13 52.75	−11 10.1	1.130	2.061	13.4	19.4
4 1	13 46.27	−10 50.6	1.067	2.043	8.3	19.1
4 11	13 37.53	−10 19.6	1.027	2.027	2.5	18.7
4 21	13 27.85	− 9 42.7	1.010	2.011	3.6	18.7
5 1	13 18.79	− 9 7.7	1.017	1.996	9.6	19.0
5 11	13 11.82	− 8 42.7	1.045	1.982	15.0	19.2
5 21	13 7.86	− 8 33.1	1.092	1.970	19.8	19.5
154704	2004 JT_{19}		4 15.1	275.°15	0.°8/14.4	18 R
3 12	13 56.79	−10 25.9	1.809	2.654	13.7	20.4
3 22	13 52.28	− 9 49.7	1.714	2.635	10.2	20.1
4 1	13 45.54	− 9 1.0	1.642	2.616	6.2	19.8
4 11	13 37.24	− 8 3.9	1.597	2.597	1.8	19.5
4 21	13 28.32	− 7 4.0	1.578	2.577	3.2	19.6
5 1	13 19.85	− 6 8.1	1.588	2.557	7.8	19.8
5 11	13 12.83	− 5 22.6	1.622	2.537	12.1	20.0
5 21	13 7.94	− 4 52.0	1.677	2.517	15.8	20.2
424722	2008 SS_{193}		4 15.1	114.°40	2.°5/12.9	17
3 12	13 57.69	− 4 5.0	1.971	2.822	12.5	21.3
3 22	13 52.52	− 3 34.3	1.900	2.825	9.2	21.1
4 1	13 45.43	− 2 59.2	1.854	2.829	5.5	20.8
4 11	13 37.15	− 2 24.2	1.835	2.832	2.6	20.7
4 21	13 28.55	− 1 54.1	1.844	2.835	4.2	20.8
5 1	13 20.55	− 1 33.5	1.881	2.838	7.8	21.0
5 11	13 13.96	− 1 25.4	1.943	2.841	11.3	21.2
5 21	13 9.30	− 1 31.2	2.027	2.844	14.3	21.4
371024	2005 UN_{66}		4 15.1	174.°97	1.°7/13.3	17
3 12	13 58.75	− 5 51.0	2.491	3.327	10.7	22.2
3 22	13 52.94	− 5 16.3	2.413	3.331	7.9	22.0
4 1	13 45.55	− 4 36.4	2.361	3.334	4.7	21.8
4 11	13 37.17	− 3 55.0	2.338	3.336	1.9	21.6
4 21	13 28.52	− 3 16.1	2.345	3.337	3.3	21.7
5 1	13 20.34	− 2 43.8	2.381	3.337	6.5	21.9
5 11	13 13.33	− 2 21.2	2.444	3.337	9.5	22.1
5 21	13 7.92	− 2 10.3	2.531	3.336	12.1	22.3
95894	2003 HA_{12}		4 15.1	291.°96	9.°8/ 5.4	18
3 12	13 57.20	+14 0.1	1.752	2.607	13.6	19.2
3 22	13 52.53	+15 29.1	1.684	2.590	11.4	19.0
4 1	13 45.63	+16 48.9	1.641	2.574	10.0	18.9
4 11	13 37.25	+17 49.9	1.621	2.557	10.1	18.8
4 21	13 28.38	+18 24.4	1.626	2.541	11.8	18.9
5 1	13 20.12	+18 28.2	1.654	2.524	14.3	19.0
5 11	13 13.43	+18 1.2	1.701	2.508	16.9	19.1
5 21	13 8.93	+17 6.5	1.765	2.492	19.4	19.3
215625	2003 SX_{250}		4 15.1	96.°60	2.°1/13.1	18
3 12	13 58.87	− 8 30.8	1.688	2.537	14.3	21.1
3 22	13 53.43	− 7 13.9	1.637	2.562	10.4	20.9
4 1	13 45.93	− 5 46.8	1.610	2.585	6.1	20.7
4 11	13 37.27	− 4 16.8	1.610	2.608	2.3	20.5
4 21	13 28.46	− 2 52.0	1.638	2.631	4.3	20.7
5 1	13 20.55	− 1 39.9	1.693	2.653	8.3	20.9
5 11	13 14.34	− 0 45.8	1.774	2.674	12.1	21.2
5 21	13 10.28	− 0 11.6	1.876	2.695	15.2	21.5
471345	2011 QG_{24}		4 15.1	263.°63	0.°7/15.8	17
3 12	13 54.14	−14 31.5	2.234	3.062	12.1	21.5
3 22	13 49.85	−13 59.6	2.145	3.055	9.1	21.3
4 1	13 43.83	−13 15.1	2.081	3.049	5.7	21.1
4 11	13 36.70	−12 21.0	2.044	3.043	2.0	20.8
4 21	13 29.20	−11 21.5	2.036	3.036	2.2	20.8
5 1	13 22.15	−10 22.1	2.055	3.030	5.9	21.0
5 11	13 16.29	− 9 28.3	2.102	3.023	9.4	21.2
5 21	13 12.14	− 8 44.3	2.172	3.017	12.5	21.4
82688	2001 PQ_{33}		4 15.1	232.°54	2.°1/13.2	18
3 12	13 58.36	− 4 3.6	2.169	3.014	11.7	19.4
3 22	13 52.91	− 3 48.7	2.090	3.013	8.6	19.2
4 1	13 45.65	− 3 30.2	2.037	3.011	5.2	19.0
4 11	13 37.22	− 3 11.8	2.011	3.009	2.3	18.8
4 21	13 28.45	− 2 57.1	2.014	3.007	3.7	18.9
5 1	13 20.19	− 2 49.8	2.046	3.004	7.2	19.1
5 11	13 13.21	− 2 52.5	2.103	3.002	10.5	19.3
5 21	13 8.04	− 3 6.4	2.183	3.000	13.4	19.5
391383	2006 WK_{111}		4 15.1	296.°92	4.°4/20.1	17
3 12	13 53.66	−26 37.0	2.287	3.062	13.5	20.5
3 22	13 49.61	−26 22.1	2.191	3.054	11.0	20.3
4 1	13 43.74	−25 47.1	2.116	3.047	8.2	20.1
4 11	13 36.69	−24 52.5	2.068	3.040	5.6	19.9
4 21	13 29.24	−23 41.2	2.046	3.033	4.4	19.9
5 1	13 22.26	−22 18.5	2.053	3.026	6.0	19.9
5 11	13 16.53	−20 51.5	2.086	3.019	8.9	20.1
5 21	13 12.60	−19 27.2	2.144	3.012	11.8	20.3

269756 1999 RM_{169} 4 15.1 243.°28 2.°1/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.85	−17 59.4	2.288	3.095	12.5	21.5
3 22	13 52.70	−17 50.8	2.185	3.080	9.7	21.3
4 1	13 45.63	−17 28.2	2.107	3.064	6.5	21.0
4 11	13 37.26	−16 53.0	2.055	3.048	3.2	20.8
4 21	13 28.38	−16 8.0	2.033	3.031	2.6	20.7
5 1	13 19.87	−15 17.8	2.039	3.014	5.9	20.9
5 11	13 12.57	−14 28.0	2.072	2.996	9.4	21.1
5 21	13 7.09	−13 43.7	2.129	2.978	12.6	21.3

99973 1981 EB_6 4 15.1 191.°33 4.°0/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.96	−26 18.1	3.018	3.772	11.0	20.0
3 22	13 51.63	−26 29.3	2.921	3.771	9.0	19.8
4 1	13 44.79	−26 26.3	2.848	3.769	6.8	19.7
4 11	13 36.98	−26 9.1	2.802	3.766	4.8	19.5
4 21	13 28.83	−25 38.9	2.784	3.763	4.0	19.5
5 1	13 21.03	−24 58.7	2.795	3.759	5.2	19.5
5 11	13 14.23	−24 12.7	2.835	3.756	7.3	19.7
5 21	13 8.89	−23 25.5	2.900	3.751	9.5	19.8

120598 1995 UU_{17} 4 15.1 135.°31 2.°1/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.79	−16 59.8	2.178	2.988	13.0	20.9
3 22	13 54.00	−17 2.8	2.101	2.997	9.9	20.7
4 1	13 46.31	−16 53.0	2.048	3.007	6.5	20.5
4 11	13 37.43	−16 31.7	2.022	3.015	3.1	20.3
4 21	13 28.21	−16 1.9	2.025	3.024	2.6	20.3
5 1	13 19.57	−15 27.8	2.057	3.032	5.8	20.5
5 11	13 12.32	−14 54.5	2.116	3.040	9.2	20.8
5 21	13 6.99	−14 26.4	2.198	3.047	12.2	21.0

413921 2006 WK_{151} 4 15.1 27.°83 0.°3/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.58	−10 50.0	1.240	2.102	17.6	20.2
3 22	13 54.06	−10 55.8	1.185	2.113	13.1	20.0
4 1	13 46.70	−10 48.9	1.150	2.125	8.0	19.7
4 11	13 37.58	−10 32.9	1.139	2.139	2.4	19.4
4 21	13 28.04	−10 12.8	1.152	2.153	3.3	19.5
5 1	13 19.53	− 9 54.8	1.190	2.168	8.6	19.8
5 11	13 13.21	− 9 44.8	1.250	2.184	13.4	20.2
5 21	13 9.70	− 9 46.5	1.330	2.201	17.3	20.4

379837 2011 QP_3 4 15.1 243.°02 4.°0/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 49.98	−34 36.0	4.893	5.580	7.9	20.6
3 22	13 46.09	−34 45.4	4.787	5.574	6.8	20.5
4 1	13 41.30	−34 43.5	4.705	5.568	5.6	20.4
4 11	13 35.94	−34 30.3	4.648	5.562	4.6	20.4
4 21	13 30.37	−34 6.4	4.618	5.557	4.1	20.3
5 1	13 25.02	−33 33.2	4.616	5.551	4.3	20.3
5 11	13 20.26	−32 53.1	4.642	5.545	5.1	20.4
5 21	13 16.39	−32 9.0	4.694	5.539	6.3	20.5

306809 2001 QG_{128} 4 15.1 226.°11 5.°2/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.45	−25 50.5	2.033	2.810	14.9	20.7
3 22	13 54.20	−26 3.5	1.937	2.802	12.2	20.5
4 1	13 46.68	−25 56.6	1.863	2.793	9.2	20.3
4 11	13 37.60	−25 28.7	1.813	2.785	6.3	20.1
4 21	13 27.92	−24 41.6	1.791	2.775	5.2	20.0
5 1	13 18.74	−23 40.1	1.795	2.765	7.0	20.1
5 11	13 11.06	−22 31.5	1.826	2.755	10.2	20.3
5 21	13 5.57	−21 23.3	1.881	2.744	13.4	20.4

289990 2005 OZ_{28} 4 15.1 357.°35 8.°1/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.35	−34 38.0	2.161	2.886	15.6	20.1
3 22	13 52.68	−35 19.7	2.073	2.885	13.5	20.0
4 1	13 45.77	−35 38.6	2.004	2.885	11.3	19.8
4 11	13 37.33	−35 32.2	1.958	2.884	9.3	19.7
4 21	13 28.33	−35 0.4	1.937	2.884	8.1	19.6
5 1	13 19.86	−34 6.5	1.940	2.884	8.6	19.6
5 11	13 12.93	−32 57.3	1.969	2.884	10.3	19.7
5 21	13 8.18	−31 40.8	2.021	2.885	12.6	19.9

512296 2016 GT_{241} 4 15.1 265.°21 5.°0/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.74	+ 2 2.7	1.932	2.790	12.4	21.5
3 22	13 52.74	+ 2 56.7	1.850	2.775	9.4	21.3
4 1	13 45.70	+ 3 51.7	1.791	2.759	6.4	21.1
4 11	13 37.29	+ 4 41.3	1.760	2.744	5.0	20.9
4 21	13 28.40	+ 5 19.3	1.756	2.728	6.7	21.0
5 1	13 19.99	+ 5 40.6	1.779	2.712	9.9	21.2
5 11	13 12.97	+ 5 42.6	1.825	2.696	13.2	21.3
5 21	13 7.94	+ 5 24.9	1.891	2.679	16.2	21.5

250062 2002 ED_8 4 15.1 331.°52 7.°1/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.27	−29 19.0	2.254	3.000	14.5	20.0
3 22	13 56.31	−30 31.9	2.160	2.994	12.3	19.8
4 1	13 48.01	−31 28.2	2.088	2.989	9.9	19.6
4 11	13 38.02	−32 4.6	2.041	2.984	7.9	19.5
4 21	13 27.28	−32 19.7	2.021	2.979	7.1	19.4
5 1	13 16.90	−32 15.0	2.028	2.975	8.1	19.5
5 11	13 7.94	−31 55.4	2.061	2.970	10.2	19.6
5 21	13 1.15	−31 26.9	2.117	2.966	12.6	19.7

16399 Grokhovsky 4 15.1 189.°10 2.°6/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.16	− 2 55.1	2.490	3.331	10.5	19.7
3 22	13 52.54	− 2 13.3	2.410	3.330	7.7	19.5
4 1	13 45.34	− 1 27.9	2.357	3.328	4.8	19.3
4 11	13 37.15	− 0 43.3	2.332	3.326	2.7	19.1
4 21	13 28.66	− 0 3.8	2.338	3.323	4.1	19.2
5 1	13 20.63	+ 0 26.6	2.372	3.319	7.0	19.4
5 11	13 13.73	+ 0 45.1	2.433	3.314	10.0	19.6
5 21	13 8.42	+ 0 50.4	2.517	3.309	12.5	19.7

170277 2003 QW_{92} 4 15.1 140.°42 2.°1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.51	− 5 40.9	1.953	2.796	13.0	20.8
3 22	13 55.28	− 5 4.6	1.888	2.809	9.5	20.6
4 1	13 47.06	− 4 22.3	1.848	2.821	5.7	20.4
4 11	13 37.65	− 3 38.7	1.835	2.833	2.3	20.2
4 21	13 27.99	− 2 59.1	1.851	2.844	3.9	20.4
5 1	13 19.03	− 2 28.2	1.896	2.854	7.7	20.6
5 11	13 11.62	− 2 9.7	1.967	2.864	11.2	20.8
5 21	13 6.26	− 2 5.3	2.059	2.872	14.2	21.1

95742 2003 ES_{20} 4 15.1 326.°65 8.°2/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.72	−26 26.0	1.785	2.563	16.6	19.0
3 22	13 57.43	−28 4.1	1.678	2.536	14.1	18.7
4 1	13 49.16	−29 28.1	1.592	2.510	11.3	18.5
4 11	13 38.49	−30 32.8	1.530	2.484	9.0	18.3
4 21	13 26.48	−31 14.2	1.493	2.460	8.2	18.2
5 1	13 14.56	−31 31.8	1.482	2.436	9.8	18.2
5 11	13 4.23	−31 30.1	1.496	2.413	12.8	18.3
5 21	12 56.60	−31 16.4	1.530	2.390	16.0	18.5

433649 2014 AZ_{42} 4 15.1 37.°62 6.°2/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.94	+ 5 32.5	1.987	2.850	11.9	20.5
3 22	13 49.71	+ 6 50.7	1.931	2.855	9.1	20.3
4 1	13 43.72	+ 8 6.3	1.900	2.860	6.8	20.2
4 11	13 36.68	+ 9 11.9	1.896	2.865	6.2	20.2
4 21	13 29.39	+10 1.2	1.918	2.871	7.8	20.3
5 1	13 22.71	+10 30.1	1.965	2.876	10.4	20.4
5 11	13 17.35	+10 36.9	2.036	2.882	13.1	20.6
5 21	13 13.77	+10 22.7	2.126	2.888	15.4	20.8

204593 2005 GH_{113} 4 15.1 98.°53 5.°6/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.21	+ 5 4.1	2.090	2.947	11.6	20.1
3 22	13 51.28	+ 6 4.6	2.032	2.954	8.9	19.9
4 1	13 44.62	+ 7 2.6	2.000	2.961	6.4	19.8
4 11	13 36.94	+ 7 51.5	1.994	2.968	5.6	19.7
4 21	13 29.03	+ 8 26.2	2.016	2.974	7.1	19.8
5 1	13 21.72	+ 8 42.9	2.064	2.981	9.6	20.0
5 11	13 15.74	+ 8 40.5	2.135	2.988	12.3	20.2
5 21	13 11.53	+ 8 19.6	2.227	2.994	14.7	20.3

300896 2008 BF_{24} 4 15.1 75.°65 6.°3/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.23	−29 35.0	2.329	3.077	14.0	20.4
3 22	13 53.79	−30 17.6	2.245	3.082	11.8	20.2
4 1	13 46.32	−30 41.7	2.182	3.087	9.4	20.1
4 11	13 37.49	−30 45.8	2.144	3.092	7.2	19.9
4 21	13 28.17	−30 30.2	2.132	3.097	6.3	19.9
5 1	13 19.35	−29 57.9	2.147	3.102	7.2	19.9
5 11	13 11.91	−29 14.5	2.189	3.107	9.3	20.1
5 21	13 6.46	−28 26.1	2.254	3.112	11.7	20.2

177354 2003 YH_{180} 4 15.1 144.°82 2.°9/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.39	− 3 56.3	1.783	2.634	13.6	20.6
3 22	13 54.67	− 3 19.5	1.716	2.641	10.0	20.4
4 1	13 46.81	− 2 37.7	1.673	2.647	6.1	20.2
4 11	13 37.61	− 1 56.2	1.656	2.653	3.0	20.0
4 21	13 28.07	− 1 20.8	1.668	2.658	4.7	20.1
5 1	13 19.25	− 0 56.4	1.707	2.663	8.6	20.4
5 11	13 12.05	− 0 46.4	1.771	2.668	12.3	20.6
5 21	13 7.02	− 0 52.2	1.855	2.672	15.4	20.8

292504 2006 TC_{16} 4 15.1 235.°14 0.°2/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.00	−12 41.5	2.514	3.340	10.9	21.7
3 22	13 50.33	−12 15.3	2.421	3.331	8.2	21.5
4 1	13 44.08	−11 39.2	2.352	3.321	5.0	21.3
4 11	13 36.81	−10 55.9	2.312	3.312	1.6	21.0
4 21	13 29.18	−10 8.9	2.301	3.302	2.0	21.0
5 1	13 21.93	− 9 22.8	2.320	3.291	5.5	21.3
5 11	13 15.74	− 8 41.8	2.365	3.281	8.8	21.4
5 21	13 11.09	− 8 9.6	2.435	3.270	11.6	21.6

298807 2004 RS_{31} 4 15.1 112.°84 2.°4/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.71	−16 31.0	1.630	2.450	16.1	20.9
3 22	13 58.11	−16 41.6	1.566	2.468	12.4	20.7
4 1	13 48.97	−16 36.4	1.523	2.485	8.0	20.5
4 11	13 38.25	−16 16.8	1.507	2.501	3.7	20.2
4 21	13 27.17	−15 46.4	1.518	2.517	3.2	20.2
5 1	13 17.00	−15 11.1	1.556	2.532	7.2	20.5
5 11	13 8.79	−14 37.4	1.620	2.547	11.4	20.8
5 21	13 3.17	−14 10.8	1.706	2.561	14.9	21.0

41452 2000 LD_{29} 4 15.1 176.°51 3.°1/11.7 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 12	13 57.31	− 2 0.2	2.461	3.306	10.5	19.6
3 22	13 51.91	− 1 5.9	2.387	3.309	7.7	19.4
4 1	13 44.96	− 0 8.4	2.340	3.311	4.9	19.3
4 11	13 37.05	+ 0 47.4	2.321	3.312	3.1	19.1
4 21	13 28.88	+ 1 36.8	2.332	3.313	4.5	19.2
5 1	13 21.20	+ 2 15.4	2.372	3.313	7.4	19.4
5 11	13 14.65	+ 2 40.3	2.438	3.312	10.2	19.6
5 21	13 9.68	+ 2 50.5	2.526	3.311	12.7	19.8

382901 2004 RY_{68} 4 15.1 233.°15 0.°6/14.5 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 12	13 57.24	−10 24.5	2.270	3.103	11.7	22.3
3 22	13 52.16	− 9 48.4	2.175	3.090	8.7	22.0
4 1	13 45.28	− 9 2.4	2.105	3.076	5.2	21.8
4 11	13 37.19	− 8 9.9	2.062	3.062	1.5	21.5
4 21	13 28.66	− 7 15.5	2.049	3.048	2.7	21.6
5 1	13 20.54	− 6 24.3	2.065	3.032	6.5	21.8
5 11	13 13.60	− 5 41.3	2.108	3.016	10.1	22.0
5 21	13 8.40	− 5 10.0	2.174	3.000	13.2	22.1

125330 2001 VR_{47} 4 15.1 150.°65 0.°6/15.6 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 12	13 58.03	−13 40.9	2.036	2.864	13.1	20.4
3 22	13 52.80	−13 15.6	1.960	2.870	9.8	20.2
4 1	13 45.64	−12 38.1	1.908	2.876	6.1	20.0
4 11	13 37.28	−11 51.3	1.882	2.881	2.0	19.7
4 21	13 28.59	−10 59.8	1.885	2.886	2.3	19.7
5 1	13 20.49	−10 9.2	1.917	2.890	6.3	20.0
5 11	13 13.80	− 9 24.8	1.975	2.894	10.0	20.2
5 21	13 9.04	− 8 50.9	2.056	2.898	13.2	20.4

306399 1996 AX_1 4 15.1 116.°38 4.°1/19.7 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 12	14 2.63	−26 5.6	2.357	3.117	13.6	21.0
3 22	13 55.88	−25 53.1	2.290	3.146	10.9	20.9
4 1	13 47.33	−25 21.8	2.246	3.174	7.9	20.7
4 11	13 37.74	−24 32.5	2.228	3.201	5.2	20.6
4 21	13 28.00	−23 28.7	2.240	3.226	4.1	20.6
5 1	13 19.01	−22 15.7	2.282	3.251	5.8	20.7
5 11	13 11.52	−21 0.4	2.352	3.274	8.5	20.9
5 21	13 5.98	−19 48.9	2.447	3.297	11.1	21.1

179447 2002 AW_{158} 4 15.1 118.°81 1.°3/13.5 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 12	13 54.31	− 7 31.0	2.673	3.511	10.0	21.1
3 22	13 49.57	− 6 48.0	2.605	3.525	7.3	20.9
4 1	13 43.49	− 5 59.1	2.564	3.538	4.3	20.8
4 11	13 36.62	− 5 8.2	2.552	3.551	1.5	20.6
4 21	13 29.58	− 4 19.1	2.570	3.564	2.8	20.7
5 1	13 23.00	− 3 36.0	2.616	3.576	5.7	20.9
5 11	13 17.45	− 3 2.0	2.690	3.588	8.5	21.1
5 21	13 13.29	− 2 39.1	2.787	3.600	10.9	21.3

205846 2002 EB_{46} 4 15.1 69.°74 3.°6/17.6 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 12	14 1.65	−19 19.8	1.379	2.206	18.2	20.4
3 22	13 56.22	−19 31.1	1.321	2.224	14.1	20.1
4 1	13 47.98	−19 21.3	1.283	2.241	9.6	19.9
4 11	13 38.00	−18 51.8	1.268	2.259	5.1	19.7
4 21	13 27.62	−18 7.0	1.279	2.276	4.1	19.7
5 1	13 18.29	−17 14.4	1.315	2.294	7.9	20.0
5 11	13 11.14	−16 22.8	1.375	2.311	12.2	20.2
5 21	13 6.81	−15 39.5	1.456	2.329	16.0	20.5

375790 2009 SN_{328} 4 15.1 156.°87 0.°1/15.1 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 12	13 56.63	−16 45.8	2.167	2.984	12.8	21.1
3 22	13 51.61	−15 3.9	2.085	2.990	9.6	20.9
4 1	13 44.85	−13 3.6	2.028	2.996	5.8	20.7
4 11	13 37.03	−10 50.7	2.002	3.001	1.7	20.4
4 21	13 28.99	− 8 33.5	2.006	3.006	2.5	20.5
5 1	13 21.55	− 6 21.1	2.042	3.010	6.5	20.7
5 11	13 15.45	− 4 21.9	2.106	3.014	10.1	21.0
5 21	13 11.15	− 2 41.4	2.195	3.017	13.2	21.2

508521 2016 QK_{82} 4 15.1 281.°52 3.°4/18.8 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 12	13 54.62	−22 39.3	2.335	3.127	12.8	20.8
3 22	13 50.26	−22 33.3	2.243	3.122	10.2	20.6
4 1	13 44.13	−22 10.8	2.173	3.117	7.2	20.4
4 11	13 36.86	−21 32.9	2.130	3.112	4.5	20.2
4 21	13 29.19	−20 42.1	2.115	3.108	3.5	20.1
5 1	13 21.97	−19 43.0	2.128	3.103	5.7	20.3
5 11	13 15.96	−18 41.7	2.168	3.098	8.7	20.4
5 21	13 11.67	−17 43.6	2.232	3.094	11.6	20.6

458908 2011 UF_{239} 4 15.1 177.°42 0.°2/14.9 16

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 12	14 1.55	−11 19.9	1.824	2.658	14.1	22.7
3 22	13 55.63	−10 56.8	1.746	2.661	10.5	22.5
4 1	13 47.47	−10 22.2	1.691	2.662	6.4	22.3
4 11	13 37.85	− 9 39.5	1.663	2.663	1.8	22.0
4 21	13 27.78	− 8 53.7	1.664	2.663	2.8	22.0
5 1	13 18.38	− 8 10.7	1.692	2.663	7.3	22.3
5 11	13 10.60	− 7 36.0	1.747	2.662	11.4	22.5
5 21	13 5.05	− 7 13.5	1.824	2.660	14.9	22.8

380569 2004 RR_{25} 4 15.1 205.°05 2.°7/17.4 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 12	14 1.04	−18 32.3	2.308	3.107	12.7	20.9
3 22	13 55.02	−18 48.4	2.215	3.102	9.9	20.7
4 1	13 47.04	−18 51.8	2.145	3.098	6.7	20.5
4 11	13 37.73	−18 43.1	2.103	3.092	3.7	20.3
4 21	13 27.93	−18 23.8	2.090	3.086	3.0	20.3
5 1	13 18.56	−17 57.6	2.106	3.080	5.9	20.4
5 11	13 10.48	−17 29.2	2.150	3.073	9.2	20.6
5 21	13 4.29	−17 3.2	2.218	3.065	12.2	20.8

64248 2001 TZ_{164} 4 15.1 183.°60 4.°2/10.3 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 12	13 54.75	+ 1 56.5	2.449	3.302	10.3	19.5
3 22	13 50.06	+ 2 55.3	2.379	3.302	7.7	19.3
4 1	13 43.87	+ 3 54.4	2.336	3.302	5.2	19.2
4 11	13 36.76	+ 4 48.7	2.320	3.302	4.2	19.1
4 21	13 29.40	+ 5 33.3	2.333	3.301	5.6	19.2
5 1	13 22.50	+ 6 4.2	2.374	3.300	8.1	19.3
5 11	13 16.68	+ 6 19.3	2.439	3.299	10.7	19.5
5 21	13 12.38	+ 6 18.3	2.526	3.298	13.0	19.7

288112 2003 WA_{60} 4 15.1 168.°29 0.°1/15.1 16

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 12	14 0.30	−12 10.9	2.027	2.855	13.1	22.1
3 22	13 54.49	−11 44.3	1.949	2.860	9.8	21.9
4 1	13 46.68	−11 6.4	1.895	2.864	5.9	21.6
4 11	13 37.61	−10 20.4	1.868	2.868	1.8	21.4
4 21	13 28.18	− 9 31.0	1.871	2.871	2.5	21.4
5 1	13 19.35	− 8 43.7	1.902	2.873	6.6	21.7
5 11	13 11.98	− 8 3.7	1.960	2.874	10.4	21.9
5 21	13 6.61	− 7 34.8	2.041	2.875	13.6	22.1

284325 2006 QO_{170} 4 15.1 212.°08 3.°1/11.4 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 12	13 54.25	− 2 13.3	2.499	3.349	10.2	21.6
3 22	13 49.71	− 1 12.2	2.419	3.344	7.5	21.4
4 1	13 43.68	− 0 7.2	2.366	3.338	4.7	21.2
4 11	13 36.72	+ 0 56.6	2.342	3.333	3.1	21.1
4 21	13 29.47	+ 1 54.2	2.346	3.327	4.6	21.2
5 1	13 22.63	+ 2 41.1	2.379	3.320	7.4	21.3
5 11	13 16.83	+ 3 14.0	2.438	3.314	10.2	21.5
5 21	13 12.52	+ 3 31.4	2.519	3.307	12.7	21.7

233939 2009 VR_{58} 4 15.1 83.°33 1.°2/16.8 17 R

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 12	13 51.90	−16 53.5	3.149	3.956	9.4	21.1
3 22	13 47.68	−16 29.9	3.076	3.972	7.1	21.0
4 1	13 42.32	−15 56.7	3.028	3.988	4.6	20.8
4 11	13 36.29	−15 16.0	3.009	4.004	2.0	20.6
4 21	13 30.11	−14 30.5	3.020	4.019	1.7	20.6
5 1	13 24.30	−13 43.8	3.060	4.035	4.1	20.8
5 11	13 19.37	−12 59.3	3.128	4.050	6.6	21.0
5 21	13 15.63	−12 20.1	3.222	4.065	8.9	21.2

371117 2005 VM_{107} 4 15.1 187.°70 0.°9/15.9 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 12	13 58.54	−14 17.6	2.097	2.920	12.9	22.3
3 22	13 53.21	−14 0.8	2.013	2.920	9.8	22.1
4 1	13 45.94	−13 31.7	1.953	2.919	6.1	21.9
4 11	13 37.41	−12 52.8	1.920	2.918	2.2	21.6
4 21	13 28.47	−12 8.1	1.916	2.916	2.3	21.6
5 1	13 20.07	−11 22.6	1.940	2.914	6.2	21.8
5 11	13 13.03	−10 41.7	1.991	2.912	9.9	22.1
5 21	13 7.91	−10 9.6	2.065	2.909	13.1	22.3

95399 2002 CR_{198} 4 15.1 179.°02 1.°1/14.2 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 12	14 0.76	− 9 19.5	1.875	2.713	13.6	20.5
3 22	13 54.97	− 8 43.5	1.797	2.715	10.0	20.3
4 1	13 47.04	− 7 57.2	1.744	2.717	6.0	20.0
4 11	13 37.73	− 7 5.1	1.717	2.717	1.8	19.8
4 21	13 28.01	− 6 12.8	1.720	2.717	3.3	19.9
5 1	13 18.94	− 5 26.2	1.750	2.716	7.5	20.1
5 11	13 11.41	− 4 50.5	1.807	2.715	11.5	20.4
5 21	13 6.03	− 4 28.9	1.885	2.712	14.8	20.6

376420 2012 GY_{28} 4 15.1 287.°77 8.°1/ 8.6 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 12	13 59.81	+ 9 20.1	1.687	2.545	13.9	20.1
3 22	13 54.54	+10 19.3	1.615	2.532	11.1	19.8
4 1	13 46.91	+11 12.2	1.566	2.518	8.7	19.7
4 11	13 37.72	+11 50.3	1.542	2.505	8.1	19.6
4 21	13 28.02	+12 6.8	1.544	2.492	9.8	19.7
5 1	13 18.96	+11 57.7	1.570	2.478	12.7	19.8
5 11	13 11.57	+11 22.4	1.618	2.465	15.8	20.0
5 21	13 6.48	+10 23.7	1.684	2.452	18.7	20.1

78754 2002 TA_{295} 4 15.1 260.°16 5.°7/21.3 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
3 12	13 57.54	−30 19.9	2.505	3.246	13.3	18.6
3 22	13 52.58	−30 27.9	2.390	3.225	11.3	18.4
4 1	13 45.65	−30 16.2	2.296	3.202	8.9	18.2
4 11	13 37.36	−29 43.6	2.227	3.179	6.7	18.1
4 21	13 28.49	−28 51.0	2.185	3.156	5.7	17.9
5 1	13 19.95	−27 41.9	2.171	3.132	6.7	18.0
5 11	13 12.61	−26 22.5	2.185	3.107	9.0	18.1
5 21	13 7.11	−24 59.8	2.223	3.083	11.7	18.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
437750	2014 FR_{30}		4 15.1	318.°19	5.°0/17.3	15
	h m	° ′			°	m
3 12	14 5.60	−19 0.6	1.889	2.689	15.0	20.9
3 22	13 59.40	−20 20.8	1.770	2.654	12.1	20.6
4 1	13 50.31	−21 32.8	1.674	2.620	8.8	20.3
4 11	13 38.89	−22 33.2	1.605	2.586	5.8	20.1
4 21	13 26.10	−23 19.4	1.564	2.552	5.3	19.9
5 1	13 13.30	−23 51.3	1.551	2.518	8.2	20.0
5 11	13 1.87	−24 12.0	1.565	2.485	12.1	20.2
5 21	12 52.92	−24 26.7	1.601	2.453	15.8	20.3
500664	2012 VO_{28}		4 15.1	148.°08	0.°3/15.5	17
3 12	13 55.85	−13 0.5	2.583	3.405	10.8	22.6
3 22	13 50.82	−12 35.6	2.505	3.413	8.1	22.4
4 1	13 44.32	−12 1.4	2.452	3.420	4.9	22.2
4 11	13 36.90	−11 20.4	2.428	3.427	1.6	22.0
4 21	13 29.24	−10 36.3	2.433	3.433	1.9	22.0
5 1	13 22.04	− 9 53.1	2.467	3.439	5.3	22.3
5 11	13 15.93	− 9 14.9	2.529	3.445	8.3	22.5
5 21	13 11.33	− 8 44.8	2.616	3.450	11.0	22.7
105266	2000 QC_{21}		4 15.1	110.°42	2.°8/12.8	18
3 12	13 58.03	− 6 51.7	1.510	2.370	15.1	19.8
3 22	13 53.24	− 5 43.9	1.448	2.378	11.1	19.6
4 1	13 46.08	− 4 25.6	1.409	2.386	6.6	19.3
4 11	13 37.45	− 3 4.4	1.396	2.394	2.9	19.1
4 21	13 28.48	− 1 49.0	1.410	2.401	5.0	19.3
5 1	13 20.34	− 0 47.4	1.449	2.409	9.4	19.5
5 11	13 14.01	− 0 5.1	1.512	2.416	13.5	19.8
5 21	13 10.06	+ 0 15.7	1.595	2.423	17.0	20.0
141397	2002 AS_{129}		4 15.1	156.°17	2.°1/12.9	18
3 12	13 59.75	− 2 5.5	2.777	3.612	9.8	20.2
3 22	13 53.54	− 1 56.7	2.701	3.618	7.2	20.1
4 1	13 45.89	− 1 46.5	2.653	3.623	4.4	19.9
4 11	13 37.36	− 1 37.8	2.634	3.628	2.2	19.8
4 21	13 28.60	− 1 33.3	2.645	3.633	3.4	19.8
5 1	13 20.29	− 1 35.3	2.687	3.638	6.1	20.0
5 11	13 13.04	− 1 45.4	2.756	3.642	8.8	20.2
5 21	13 7.28	− 2 4.5	2.849	3.645	11.1	20.4
498052	2007 RO_{45}		4 15.1	196.°19	1.°1/16.3	17
3 12	13 55.94	−15 40.4	2.471	3.287	11.4	22.6
3 22	13 51.04	−15 16.9	2.383	3.285	8.7	22.4
4 1	13 44.53	−14 41.4	2.319	3.282	5.5	22.2
4 11	13 36.99	−13 56.5	2.282	3.279	2.2	21.9
4 21	13 29.11	−13 5.5	2.275	3.276	2.0	21.9
5 1	13 21.67	−12 13.1	2.298	3.272	5.4	22.1
5 11	13 15.35	−11 24.2	2.347	3.268	8.6	22.3
5 21	13 10.63	−10 42.9	2.421	3.263	11.5	22.5
65799	1995 YB_{10}		4 15.1	240.°97	5.°6/20.8	18
3 12	13 58.16	−28 57.6	2.362	3.114	13.8	19.8
3 22	13 53.07	−29 9.0	2.257	3.100	11.5	19.6
4 1	13 45.96	−29 0.9	2.173	3.087	9.0	19.4
4 11	13 37.45	−28 32.1	2.114	3.072	6.6	19.3
4 21	13 28.40	−27 43.9	2.083	3.057	5.6	19.2
5 1	13 19.74	−26 39.9	2.079	3.042	6.7	19.2
5 11	13 12.38	−25 26.8	2.102	3.027	9.2	19.3
5 21	13 6.95	−24 11.6	2.150	3.010	12.0	19.5
140204	2001 SE_{226}		4 15.1	90.°40	1.°1/13.9	17
3 12	13 55.12	− 8 34.9	2.200	3.043	11.7	20.4
3 22	13 50.49	− 7 59.2	2.129	3.050	8.6	20.2
4 1	13 44.19	− 7 15.8	2.083	3.057	5.1	20.0
4 11	13 36.88	− 6 28.7	2.064	3.064	1.6	19.8
4 21	13 29.31	− 5 42.4	2.074	3.071	2.9	19.9
5 1	13 22.27	− 5 1.8	2.113	3.078	6.5	20.2
5 11	13 16.46	− 4 30.8	2.177	3.085	9.8	20.4
5 21	13 12.34	− 4 11.9	2.264	3.092	12.6	20.6
214493	2005 US_{251}		4 15.1	278.°52	1.°2/13.9	18
3 12	13 57.17	− 6 50.0	2.474	3.311	10.7	20.4
3 22	13 52.07	− 6 34.0	2.369	3.287	8.0	20.2
4 1	13 45.24	− 6 12.5	2.289	3.262	4.8	20.0
4 11	13 37.23	− 5 48.2	2.237	3.236	1.6	19.7
4 21	13 28.72	− 5 24.6	2.215	3.210	2.9	19.8
5 1	13 20.50	− 5 5.3	2.221	3.185	6.4	19.9
5 11	13 13.31	− 4 53.6	2.255	3.158	9.7	20.1
5 21	13 7.71	− 4 52.0	2.312	3.132	12.7	20.2
153848	2001 XY_{43}		4 15.1	129.°71	6.°9/23.5	18
3 12	13 58.34	−35 18.9	2.662	3.365	13.5	20.6
3 22	13 52.98	−35 47.7	2.577	3.374	11.6	20.5
4 1	13 45.77	−35 56.5	2.511	3.381	9.7	20.4
4 11	13 37.37	−35 43.9	2.470	3.389	7.9	20.3
4 21	13 28.58	−35 10.2	2.455	3.397	6.9	20.2
5 1	13 20.30	−34 18.6	2.466	3.404	7.3	20.3
5 11	13 13.32	−33 14.5	2.504	3.411	8.7	20.4
5 21	13 8.17	−32 4.4	2.566	3.418	10.6	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
98078	2000 RZ_{65}		4 15.1	196.°65	0.°8/14.5	18
	h m	° ′			°	m
3 12	14 1.75	− 9 21.0	1.972	2.806	13.2	20.0
3 22	13 55.69	− 8 58.2	1.888	2.804	9.8	19.8
4 1	13 47.49	− 8 26.2	1.828	2.800	5.9	19.5
4 11	13 37.89	− 7 48.5	1.796	2.796	1.7	19.2
4 21	13 27.83	− 7 9.6	1.793	2.791	3.0	19.3
5 1	13 18.33	− 6 34.8	1.818	2.785	7.2	19.5
5 11	13 10.31	− 6 8.7	1.869	2.778	11.1	19.8
5 21	13 4.38	− 5 54.4	1.943	2.771	14.4	20.0
329309	2000 SR_{57}		4 15.1	268.°49	0.°5/15.5	17
3 12	13 58.80	−13 0.2	2.021	2.850	13.1	21.4
3 22	13 53.70	−12 44.9	1.915	2.826	10.0	21.1
4 1	13 46.44	−12 17.4	1.833	2.801	6.2	20.8
4 11	13 37.63	−11 40.0	1.778	2.777	2.1	20.5
4 21	13 28.14	−10 56.5	1.751	2.751	2.5	20.5
5 1	13 18.99	−10 12.3	1.752	2.725	6.9	20.7
5 11	13 11.15	− 9 32.9	1.779	2.699	11.0	20.9
5 21	13 5.32	− 9 3.3	1.829	2.672	14.6	21.1
262780	2006 YO_{13}		4 15.1	75.°43	9.°8/	6.6 18
3 12	13 59.19	+13 52.4	1.653	2.509	14.3	20.4
3 22	13 53.85	+15 16.0	1.611	2.518	11.8	20.3
4 1	13 46.31	+16 27.4	1.593	2.527	10.1	20.2
4 11	13 37.50	+17 17.4	1.598	2.537	10.0	20.2
4 21	13 28.49	+17 39.9	1.628	2.546	11.5	20.3
5 1	13 20.35	+17 32.3	1.680	2.556	13.8	20.5
5 11	13 13.97	+16 56.2	1.753	2.566	16.3	20.6
5 21	13 9.85	+15 55.8	1.843	2.575	18.5	20.8
494281	2016 RS_{10}		4 15.1	286.°33	1.°9/17.0	17
3 12	13 54.59	−17 49.1	2.201	3.017	12.6	21.5
3 22	13 50.35	−17 32.3	2.103	3.002	9.8	21.2
4 1	13 44.27	−17 1.0	2.028	2.988	6.5	21.0
4 11	13 36.95	−16 16.7	1.980	2.974	3.1	20.8
4 21	13 29.16	−15 23.0	1.960	2.959	2.5	20.7
5 1	13 21.77	−14 25.0	1.968	2.945	5.9	20.9
5 11	13 15.59	−13 28.6	2.002	2.930	9.4	21.1
5 21	13 11.18	−12 39.2	2.060	2.916	12.7	21.2
233693	2008 SM_{18}		4 15.1	89.°37	3.°5/11.4	18
3 12	13 56.91	− 2 22.5	2.031	2.885	12.1	20.8
3 22	13 51.73	− 1 12.2	1.983	2.909	8.8	20.6
4 1	13 44.87	+ 0 1.2	1.960	2.933	5.5	20.4
4 11	13 37.06	+ 1 11.2	1.965	2.956	3.6	20.4
4 21	13 29.13	+ 2 11.9	1.999	2.979	5.2	20.5
5 1	13 21.91	+ 2 58.2	2.060	3.002	8.2	20.7
5 11	13 16.08	+ 3 27.5	2.146	3.024	11.2	21.0
5 21	13 12.04	+ 3 39.0	2.254	3.046	13.8	21.2
142286	2002 RB_{134}		4 15.1	248.°58	4.°4/11.7	18
3 12	14 0.21	− 0 2.3	1.704	2.562	13.8	19.9
3 22	13 54.80	+ 0 38.6	1.627	2.554	10.3	19.7
4 1	13 47.07	+ 1 21.6	1.574	2.546	6.7	19.4
4 11	13 37.79	+ 2 0.4	1.547	2.537	4.5	19.3
4 21	13 28.00	+ 2 28.8	1.547	2.528	6.3	19.3
5 1	13 18.83	+ 2 41.7	1.573	2.519	10.0	19.5
5 11	13 11.29	+ 2 36.3	1.623	2.510	13.7	19.7
5 21	13 6.03	+ 2 12.3	1.693	2.500	17.0	19.9
516973	2012 FH_{85}		4 15.1	112.°50	1.°2/14.0	17
3 12	13 58.19	− 9 5.5	1.795	2.641	13.7	21.5
3 22	13 53.06	− 8 26.0	1.729	2.651	10.1	21.3
4 1	13 45.86	− 7 36.7	1.686	2.661	6.0	21.0
4 11	13 37.39	− 6 42.3	1.670	2.670	1.8	20.8
4 21	13 28.62	− 5 48.7	1.682	2.680	3.4	20.9
5 1	13 20.56	− 5 2.2	1.722	2.688	7.6	21.2
5 11	13 14.06	− 4 27.5	1.786	2.697	11.4	21.4
5 21	13 9.67	− 4 7.6	1.872	2.706	14.7	21.6
24146	Benjamueller		4 15.1	79.°34	0.°2/15.2	18
3 12	13 58.46	−11 29.0	1.893	2.730	13.5	19.1
3 22	13 53.21	−11 18.1	1.824	2.740	10.1	18.9
4 1	13 45.95	−10 57.0	1.779	2.750	6.1	18.7
4 11	13 37.43	−10 28.7	1.760	2.759	1.9	18.5
4 21	13 28.59	− 9 57.2	1.769	2.769	2.5	18.5
5 1	13 20.42	− 9 27.6	1.806	2.779	6.7	18.8
5 11	13 13.75	− 9 4.4	1.869	2.789	10.5	19.0
5 21	13 9.12	− 8 50.9	1.954	2.799	13.7	19.3
503356	2016 BS_{79}		4 15.1	298.°65	2.°2/16.5	17
3 12	14 0.31	−15 17.6	1.425	2.265	17.0	21.9
3 22	13 55.50	−15 30.4	1.344	2.257	13.1	21.7
4 1	13 47.80	−15 27.2	1.283	2.250	8.5	21.4
4 11	13 38.08	−15 9.3	1.246	2.242	3.7	21.1
4 21	13 27.57	−14 40.1	1.234	2.235	3.3	21.0
5 1	13 17.74	−14 5.7	1.248	2.227	8.2	21.3
5 11	13 9.88	−13 33.7	1.286	2.220	13.0	21.5
5 21	13 4.81	−13 10.5	1.344	2.214	17.3	21.8

312151 2007 TP_{432} 4 15.1 143.°27 1.°0/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.77	− 9 22.6	1.859	2.698	13.6	22.1
3 22	13 54.91	− 8 47.6	1.791	2.709	10.1	21.9
4 1	13 46.96	− 8 2.7	1.746	2.719	6.0	21.7
4 11	13 37.73	− 7 12.6	1.729	2.729	1.8	21.4
4 21	13 28.18	− 6 22.5	1.740	2.737	3.2	21.5
5 1	13 19.36	− 5 38.4	1.779	2.746	7.4	21.8
5 11	13 12.12	− 5 5.2	1.844	2.753	11.2	22.0
5 21	13 7.01	− 4 45.7	1.931	2.760	14.5	22.2

23195 2000 RA_{58} 4 15.1 57.°69 0.°6/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.75	−14 41.0	2.172	3.002	12.3	18.5
3 22	13 49.54	−14 5.1	2.099	3.010	9.2	18.3
4 1	13 43.66	−13 16.6	2.050	3.018	5.7	18.1
4 11	13 36.75	−12 18.9	2.028	3.026	2.0	17.9
4 21	13 29.58	−11 16.7	2.034	3.035	2.1	17.9
5 1	13 22.95	−10 15.7	2.069	3.043	5.8	18.2
5 11	13 17.56	− 9 21.1	2.130	3.052	9.3	18.4
5 21	13 13.87	− 8 37.2	2.214	3.061	12.2	18.6

327373 2005 UP_{321} 4 15.1 220.°58 3.°9/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.65	+ 0 41.6	2.050	2.897	12.2	20.8
3 22	13 55.51	+ 1 6.9	1.969	2.890	9.2	20.6
4 1	13 47.35	+ 1 32.5	1.914	2.883	5.9	20.4
4 11	13 37.86	+ 1 53.7	1.886	2.875	3.9	20.2
4 21	13 27.95	+ 2 5.9	1.887	2.867	5.4	20.3
5 1	13 18.58	+ 2 5.7	1.915	2.859	8.7	20.5
5 11	13 10.62	+ 1 51.0	1.970	2.850	12.0	20.7
5 21	13 4.66	+ 1 21.8	2.046	2.841	14.9	20.9

118252 1998 BW_{33} 4 15.1 53.°65 5.°6/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.89	−22 23.5	1.571	2.374	17.4	18.7
3 22	13 57.77	−23 19.5	1.510	2.393	14.0	18.5
4 1	13 48.93	−23 55.9	1.470	2.412	10.2	18.3
4 11	13 38.35	−24 11.0	1.454	2.432	6.7	18.1
4 21	13 27.29	−24 5.8	1.464	2.452	5.7	18.1
5 1	13 17.17	−23 45.0	1.500	2.471	8.0	18.3
5 11	13 9.11	−23 15.8	1.561	2.492	11.4	18.6
5 21	13 3.78	−22 45.8	1.644	2.512	14.7	18.8

500507 2012 TP_{287} 4 15.1 98.°62 3.°8/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.64	−25 0.6	2.325	3.103	13.2	21.7
3 22	13 50.91	−24 42.2	2.248	3.117	10.6	21.5
4 1	13 44.47	−24 5.4	2.194	3.130	7.7	21.3
4 11	13 36.98	−23 11.5	2.166	3.143	4.9	21.2
4 21	13 29.26	−22 4.0	2.167	3.156	3.8	21.1
5 1	13 22.11	−20 48.4	2.195	3.169	5.6	21.3
5 11	13 16.26	−19 31.1	2.251	3.182	8.4	21.5
5 21	13 12.17	−18 18.3	2.332	3.194	11.2	21.7

215656 2003 UD_{159} 4 15.1 215.°35 0.°6/14.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.07	−10 20.8	1.974	2.809	13.1	21.4
3 22	13 54.51	− 9 51.0	1.885	2.801	9.8	21.2
4 1	13 46.82	− 9 10.6	1.821	2.792	5.9	20.9
4 11	13 37.73	− 8 23.2	1.783	2.783	1.7	20.6
4 21	13 28.14	− 7 33.6	1.775	2.773	2.9	20.7
5 1	13 19.05	− 6 47.6	1.795	2.763	7.2	20.9
5 11	13 11.40	− 6 10.5	1.841	2.752	11.1	21.1
5 21	13 5.80	− 5 45.9	1.909	2.740	14.5	21.3

361549 2007 PL_{50} 4 15.1 283.°31 3.°5/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.11	−17 52.2	1.444	2.273	17.4	21.0
3 22	13 56.24	−18 16.7	1.354	2.259	13.7	20.7
4 1	13 48.37	−18 23.8	1.285	2.245	9.3	20.4
4 11	13 38.29	−18 13.1	1.239	2.231	4.9	20.1
4 21	13 27.25	−17 46.6	1.219	2.217	4.1	20.0
5 1	13 16.77	−17 10.0	1.224	2.203	8.4	20.2
5 11	13 8.24	−16 31.3	1.253	2.188	13.2	20.5
5 21	13 2.60	−15 58.2	1.302	2.174	17.5	20.7

459450 2012 WX_4 4 15.1 132.°93 1.°6/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.15	−16 29.6	1.507	2.337	16.8	22.4
3 22	13 56.42	−16 2.6	1.440	2.349	12.7	22.2
4 1	13 48.08	−15 16.6	1.395	2.361	8.1	22.0
4 11	13 38.09	−14 15.0	1.374	2.371	3.2	21.7
4 21	13 27.71	−13 4.2	1.381	2.382	2.9	21.7
5 1	13 18.24	−11 52.7	1.414	2.391	7.7	22.0
5 11	13 10.79	−10 48.9	1.473	2.400	12.2	22.3
5 21	13 5.95	− 9 59.1	1.553	2.408	16.1	22.5

148577 2001 QV_{284} 4 15.1 86.°54 7.°5/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.04	+ 8 32.7	1.715	2.573	13.7	19.5
3 22	13 54.39	+ 9 35.2	1.667	2.585	10.7	19.3
4 1	13 46.62	+10 30.8	1.643	2.597	8.3	19.2
4 11	13 37.62	+11 11.4	1.644	2.608	7.6	19.2
4 21	13 28.42	+11 31.5	1.671	2.620	9.1	19.3
5 1	13 20.06	+11 27.9	1.723	2.631	11.8	19.5
5 11	13 13.40	+11 0.9	1.797	2.643	14.6	19.7
5 21	13 8.93	+10 13.2	1.891	2.654	17.1	19.9

17066 Ginagallant 4 15.1 29.°24 2.°5/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.28	− 7 10.0	1.555	2.417	14.6	17.9
3 22	13 51.21	− 6 10.4	1.490	2.421	10.7	17.7
4 1	13 44.89	− 5 0.4	1.448	2.425	6.4	17.4
4 11	13 37.15	− 3 47.0	1.431	2.429	2.7	17.2
4 21	13 29.04	− 2 38.1	1.440	2.434	4.7	17.3
5 1	13 21.67	− 1 41.2	1.476	2.438	9.0	17.6
5 11	13 15.97	− 1 1.9	1.535	2.443	13.1	17.8
5 21	13 12.52	− 0 42.5	1.614	2.449	16.5	18.1

434581 2005 UO_{106} 4 15.1 139.°53 1.°8/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.60	− 6 27.8	2.096	2.939	12.2	22.1
3 22	13 53.09	− 5 49.7	2.028	2.949	8.9	21.9
4 1	13 45.79	− 5 5.3	1.985	2.959	5.3	21.7
4 11	13 37.39	− 4 18.9	1.969	2.968	2.1	21.5
4 21	13 28.72	− 3 35.4	1.982	2.976	3.6	21.6
5 1	13 20.66	− 2 59.8	2.024	2.984	7.2	21.8
5 11	13 13.97	− 2 35.5	2.092	2.992	10.5	22.1
5 21	13 9.13	− 2 24.7	2.182	2.999	13.4	22.3

457439 2008 UB_{110} 4 15.1 159.°94 2.°7/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.85	−19 37.3	1.707	2.521	15.8	22.0
3 22	13 55.33	−19 16.2	1.630	2.527	12.3	21.8
4 1	13 47.39	−18 35.0	1.575	2.532	8.2	21.6
4 11	13 37.90	−17 35.9	1.545	2.537	4.1	21.3
4 21	13 27.97	−16 23.8	1.542	2.541	3.2	21.3
5 1	13 18.78	−15 6.5	1.567	2.545	7.0	21.5
5 11	13 11.38	−13 52.5	1.618	2.547	11.2	21.8
5 21	13 6.38	−12 48.8	1.692	2.550	14.9	22.0

94048 2000 YU_2 4 15.1 122.°91 0.°7/14.5 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.55	− 8 44.9	2.080	2.917	12.5	20.3
3 22	13 53.85	− 8 29.7	2.010	2.927	9.2	20.1
4 1	13 46.27	− 8 7.1	1.965	2.937	5.5	19.9
4 11	13 37.55	− 7 40.3	1.947	2.947	1.6	19.6
4 21	13 28.53	− 7 13.3	1.958	2.956	2.8	19.7
5 1	13 20.14	− 6 50.2	1.998	2.965	6.6	20.0
5 11	13 13.14	− 6 34.9	2.063	2.974	10.1	20.2
5 21	13 8.05	− 6 29.7	2.152	2.982	13.1	20.4

320800 2008 EZ_{160} 4 15.1 240.°13 0.°5/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 48.76	− 7 53.8	4.537	5.368	6.3	21.1
3 22	13 45.15	− 7 35.5	4.449	5.364	4.6	21.0
4 1	13 40.76	− 7 13.8	4.388	5.360	2.7	20.8
4 11	13 35.89	− 6 50.5	4.356	5.356	0.8	20.7
4 21	13 30.88	− 6 27.5	4.355	5.352	1.5	20.7
5 1	13 26.07	− 6 6.5	4.384	5.347	3.5	20.9
5 11	13 21.78	− 5 49.5	4.441	5.343	5.3	21.0
5 21	13 18.27	− 5 37.6	4.524	5.339	7.0	21.1

501050 2013 RD_{95} 4 15.1 216.°40 1.°5/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.09	− 6 46.0	2.337	3.173	11.3	23.2
3 22	13 53.47	− 6 14.6	2.246	3.164	8.4	23.0
4 1	13 46.08	− 5 36.7	2.181	3.154	5.0	22.8
4 11	13 37.52	− 4 56.0	2.145	3.144	1.8	22.6
4 21	13 28.55	− 4 16.7	2.138	3.132	3.2	22.6
5 1	13 20.00	− 3 43.2	2.160	3.120	6.8	22.9
5 11	13 12.64	− 3 19.3	2.209	3.107	10.1	23.0
5 21	13 6.99	− 3 7.4	2.282	3.094	13.0	23.2

270411 2002 CO_{13} 4 15.1 1.°58 5.°3/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.72	+ 0 17.6	1.637	2.506	13.6	20.0
3 22	13 50.71	+ 1 38.1	1.573	2.506	10.2	19.7
4 1	13 44.57	+ 3 1.8	1.534	2.505	6.8	19.5
4 11	13 37.08	+ 4 20.0	1.520	2.505	5.3	19.4
4 21	13 29.23	+ 5 24.6	1.532	2.506	7.3	19.6
5 1	13 22.05	+ 6 9.0	1.570	2.506	10.7	19.8
5 11	13 16.45	+ 6 30.0	1.630	2.507	14.2	20.0
5 21	13 12.96	+ 6 27.5	1.709	2.508	17.2	20.2

61015 2000 KJ_{42} 4 15.1 229.°86 6.°6/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.51	+ 6 9.6	2.036	2.893	11.9	19.6
3 22	13 51.74	+ 7 43.7	1.964	2.883	9.3	19.4
4 1	13 45.10	+ 9 16.6	1.918	2.873	7.1	19.2
4 11	13 37.24	+10 40.1	1.899	2.863	6.7	19.2
4 21	13 28.98	+11 46.9	1.907	2.852	8.4	19.3
5 1	13 21.24	+12 31.7	1.941	2.840	11.1	19.4
5 11	13 14.81	+12 52.0	1.998	2.829	13.9	19.6
5 21	13 10.23	+12 48.5	2.074	2.816	16.4	19.7

70142 1999 NP_{18} 4 15.1 268.°36 0.°5/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.15	−12 46.7	1.710	2.546	14.8	20.0
3 22	13 55.10	−12 30.8	1.608	2.523	11.3	19.7
4 1	13 47.50	−12 1.0	1.530	2.500	7.0	19.4
4 11	13 38.04	−11 19.7	1.477	2.476	2.3	19.1
4 21	13 27.75	−10 31.6	1.452	2.452	2.9	19.1
5 1	13 17.85	− 9 42.9	1.453	2.428	7.9	19.3
5 11	13 9.53	− 9 0.8	1.480	2.402	12.5	19.5
5 21	13 3.60	− 8 30.7	1.528	2.377	16.6	19.7

497130 2004 PC_{67} 4 15.1 223.°20 10.°0/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.92	−48 5.2	3.046	3.621	14.0	23.2
3 22	14 0.61	−49 5.5	2.934	3.606	13.0	23.1
4 1	13 50.74	−49 44.5	2.839	3.590	11.8	23.0
4 11	13 38.99	−49 57.6	2.765	3.574	10.8	22.9
4 21	13 26.37	−49 42.4	2.713	3.557	10.1	22.8
5 1	13 14.10	−48 59.3	2.686	3.538	10.0	22.7
5 11	13 3.34	−47 52.8	2.684	3.519	10.6	22.7
5 21	12 54.90	−46 29.5	2.704	3.499	11.7	22.8

146203 2000 UW_{56} 4 15.1 244.°83 3.°9/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.91	−23 14.4	2.440	3.222	12.5	20.0
3 22	13 51.96	−23 28.6	2.346	3.217	10.1	19.8
4 1	13 45.22	−23 27.8	2.274	3.212	7.4	19.7
4 11	13 37.29	−23 12.0	2.229	3.206	4.8	19.5
4 21	13 28.91	−22 42.8	2.212	3.200	3.9	19.4
5 1	13 20.93	−22 3.7	2.223	3.195	5.8	19.5
5 11	13 14.14	−21 20.0	2.261	3.189	8.5	19.7
5 21	13 9.08	−20 36.6	2.324	3.183	11.3	19.8

62391 2000 SK_{167} 4 15.1 243.°59 2.°8/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.88	−21 29.2	2.547	3.339	11.8	19.9
3 22	13 50.36	−21 16.4	2.448	3.330	9.3	19.7
4 1	13 44.21	−20 48.7	2.373	3.320	6.5	19.5
4 11	13 36.98	−20 7.1	2.325	3.310	3.8	19.3
4 21	13 29.37	−19 14.5	2.305	3.300	3.0	19.2
5 1	13 22.14	−18 15.1	2.314	3.290	5.3	19.3
5 11	13 15.99	−17 14.4	2.351	3.279	8.2	19.5
5 21	13 11.43	−16 17.5	2.412	3.268	11.0	19.7

275030 2009 UG_{37} 4 15.1 265.°27 0.°1/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.63	−12 37.0	1.860	2.698	13.7	21.0
3 22	13 52.14	−12 2.4	1.768	2.685	10.3	20.7
4 1	13 45.50	−11 13.9	1.699	2.671	6.3	20.5
4 11	13 37.40	−10 15.2	1.657	2.657	1.9	20.1
4 21	13 28.74	− 9 11.7	1.642	2.642	2.7	20.2
5 1	13 20.57	− 8 10.0	1.655	2.628	7.2	20.4
5 11	13 13.82	− 7 16.9	1.693	2.613	11.4	20.6
5 21	13 9.15	− 6 37.0	1.753	2.598	15.0	20.8

96968 1999 TP_{189} 4 15.1 103.°15 4.°0/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.22	−23 20.8	2.062	2.852	14.3	19.5
3 22	13 53.06	−23 23.4	1.987	2.863	11.4	19.3
4 1	13 45.89	−23 7.7	1.934	2.875	8.2	19.1
4 11	13 37.47	−22 34.4	1.906	2.886	5.1	18.9
4 21	13 28.71	−21 46.4	1.906	2.897	4.1	18.9
5 1	13 20.58	−20 49.0	1.934	2.908	6.2	19.0
5 11	13 13.93	−19 48.9	1.988	2.918	9.4	19.2
5 21	13 9.30	−18 52.2	2.066	2.929	12.3	19.4

40896 1999 TO_{141} 4 15.1 236.°66 0.°3/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.29	−12 20.3	2.060	2.893	12.8	20.3
3 22	13 52.38	−12 1.0	1.973	2.887	9.6	20.1
4 1	13 45.52	−11 30.7	1.910	2.880	5.9	19.9
4 11	13 37.38	−10 52.2	1.874	2.874	1.8	19.6
4 21	13 28.80	−10 9.6	1.867	2.867	2.4	19.6
5 1	13 20.70	− 9 28.0	1.887	2.860	6.5	19.9
5 11	13 13.93	− 8 52.5	1.934	2.853	10.2	20.1
5 21	13 9.06	− 8 27.0	2.003	2.845	13.5	20.3

363470 2003 SJ_{276} 4 15.1 262.°86 0.°8/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.50	−14 8.5	1.750	2.582	14.7	22.1
3 22	13 54.55	−13 45.9	1.649	2.561	11.2	21.8
4 1	13 47.13	−13 7.6	1.570	2.539	7.1	21.5
4 11	13 37.93	−12 16.3	1.517	2.516	2.5	21.2
4 21	13 27.95	−11 16.6	1.492	2.493	2.7	21.1
5 1	13 18.39	−10 15.5	1.494	2.469	7.6	21.4
5 11	13 10.37	− 9 20.4	1.522	2.445	12.2	21.6
5 21	13 4.68	− 8 37.5	1.571	2.420	16.2	21.8

270492 2002 EQ_{131} 4 15.1 281.°01 2.°1/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.31	− 7 17.9	1.843	2.697	13.1	21.0
3 22	13 51.00	− 6 21.4	1.769	2.695	9.6	20.8
4 1	13 44.70	− 5 15.5	1.718	2.694	5.7	20.6
4 11	13 37.13	− 4 5.9	1.695	2.693	2.3	20.4
4 21	13 29.19	− 2 59.4	1.698	2.692	4.1	20.5
5 1	13 21.84	− 2 2.5	1.730	2.691	8.1	20.7
5 11	13 15.92	− 1 20.3	1.785	2.689	11.8	20.9
5 21	13 11.97	− 0 55.6	1.862	2.688	15.0	21.1

495858 2003 MJ_4 4 15.1 267.°35 2.°2/13.1 17 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.28	− 5 54.6	2.249	3.080	11.9	23.7
3 22	13 56.96	− 5 8.1	2.126	3.042	8.9	23.5
4 1	13 48.46	− 4 12.9	2.030	3.001	5.4	23.2
4 11	13 38.32	− 3 13.0	1.962	2.959	2.4	22.9
4 21	13 27.36	− 2 14.0	1.925	2.916	4.1	22.9
5 1	13 16.57	− 1 21.7	1.918	2.870	8.0	23.1
5 11	13 6.91	− 0 41.3	1.938	2.824	11.9	23.2
5 21	12 59.14	− 0 16.4	1.981	2.775	15.4	23.3

152733 1998 WL_8 4 15.1 54.°33 2.°3/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.93	− 6 16.2	1.367	2.228	16.3	19.5
3 22	13 55.34	− 5 44.6	1.325	2.255	11.9	19.3
4 1	13 47.28	− 5 5.5	1.306	2.283	7.0	19.1
4 11	13 37.85	− 4 25.3	1.312	2.311	2.7	18.9
4 21	13 28.30	− 3 50.3	1.344	2.339	4.5	19.1
5 1	13 19.89	− 3 26.4	1.402	2.368	9.0	19.4
5 11	13 13.55	− 3 17.4	1.482	2.396	13.1	19.7
5 21	13 9.75	− 3 24.3	1.583	2.425	16.5	20.0

402911 2007 TB_{78} 4 15.1 150.°80 0.°8/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.73	−14 17.5	1.889	2.714	14.0	21.6
3 22	13 54.96	−13 53.5	1.814	2.723	10.6	21.4
4 1	13 47.06	−13 15.8	1.764	2.731	6.6	21.2
4 11	13 37.83	−12 27.6	1.740	2.738	2.3	20.9
4 21	13 28.24	−11 33.6	1.745	2.745	2.5	21.0
5 1	13 19.33	−10 39.9	1.778	2.752	6.7	21.3
5 11	13 12.01	− 9 52.8	1.837	2.757	10.6	21.5
5 21	13 6.83	− 9 16.5	1.919	2.762	14.0	21.7

227439 2005 WM_{29} 4 15.1 281.°60 1.°4/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.66	− 7 48.8	1.850	2.695	13.5	21.4
3 22	13 54.58	− 7 23.7	1.744	2.665	10.1	21.1
4 1	13 47.13	− 6 49.2	1.661	2.635	6.1	20.8
4 11	13 37.94	− 6 9.2	1.604	2.603	2.0	20.4
4 21	13 27.93	− 5 28.5	1.575	2.572	3.6	20.5
5 1	13 18.23	− 4 53.2	1.574	2.540	8.2	20.7
5 11	13 9.91	− 4 28.6	1.598	2.507	12.6	20.9
5 21	13 3.77	− 4 18.3	1.643	2.475	16.5	21.0

188648 2005 SD_4 4 15.1 179.°68 0.°4/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.05	−12 57.5	2.044	2.877	12.8	20.9
3 22	13 51.38	−11 53.1	1.964	2.879	9.5	20.7
4 1	13 44.86	−10 34.7	1.908	2.879	5.7	20.5
4 11	13 37.18	− 9 7.1	1.880	2.880	1.6	20.2
4 21	13 29.17	− 7 36.9	1.880	2.879	2.7	20.3
5 1	13 21.72	− 6 11.4	1.910	2.879	6.8	20.5
5 11	13 15.61	− 4 57.1	1.966	2.878	10.5	20.7
5 21	13 11.35	− 3 58.4	2.046	2.876	13.7	20.9

299933 2006 TJ_{34} 4 15.1 247.°85 1.°7/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.73	−18 25.0	2.325	3.138	12.2	20.5
3 22	13 49.56	−17 50.6	2.237	3.135	9.4	20.4
4 1	13 43.73	−17 1.1	2.172	3.132	6.1	20.1
4 11	13 36.85	−15 59.1	2.135	3.129	2.8	19.9
4 21	13 29.63	−14 48.7	2.126	3.126	2.2	19.9
5 1	13 22.88	−13 35.6	2.146	3.123	5.5	20.1
5 11	13 17.29	−12 25.8	2.193	3.119	8.8	20.3
5 21	13 13.34	−11 24.4	2.264	3.116	11.8	20.5

219725 2001 XE_{126} 4 15.1 191.°02 0.°6/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.94	−14 16.6	2.250	3.071	12.2	21.6
3 22	13 52.68	−13 46.3	2.163	3.070	9.2	21.4
4 1	13 45.64	−13 3.8	2.101	3.068	5.7	21.2
4 11	13 37.43	−12 11.8	2.067	3.065	2.0	20.9
4 21	13 28.86	−11 14.7	2.062	3.062	2.2	21.0
5 1	13 20.78	−10 17.7	2.086	3.059	6.0	21.2
5 11	13 13.95	− 9 26.3	2.137	3.054	9.5	21.4
5 21	13 8.91	− 8 44.6	2.212	3.049	12.6	21.6

69769 1998 QM_{24} 4 15.1 188.°73 1.°8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.64	− 6 25.0	2.636	3.475	10.1	20.8
3 22	13 50.70	− 5 33.0	2.554	3.474	7.4	20.6
4 1	13 44.31	− 4 34.8	2.499	3.472	4.4	20.4
4 11	13 37.02	− 3 34.6	2.473	3.470	1.9	20.2
4 21	13 29.46	− 2 36.8	2.476	3.467	3.3	20.3
5 1	13 22.31	− 1 46.0	2.509	3.464	6.3	20.5
5 11	13 16.19	− 1 5.8	2.569	3.460	9.2	20.7
5 21	13 11.51	− 0 38.3	2.653	3.456	11.7	20.8

87937 2000 SM_{350} 4 15.1 188.°03 3.°6/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.85	+ 0 25.3	2.235	3.080	11.5	20.0
3 22	13 54.74	+ 0 54.2	2.160	3.079	8.5	19.8
4 1	13 46.83	+ 1 23.7	2.109	3.078	5.5	19.6
4 11	13 37.77	+ 1 49.2	2.087	3.077	3.6	19.5
4 21	13 28.39	+ 2 6.6	2.095	3.075	5.0	19.6
5 1	13 19.54	+ 2 12.5	2.130	3.072	8.0	19.7
5 11	13 12.00	+ 2 4.9	2.192	3.069	11.1	19.9
5 21	13 6.26	+ 1 43.6	2.275	3.065	13.8	20.1

248584 2006 BR_{219} 4 15.1 353.°81 20.°7/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 11.38	−33 31.7	0.968	1.754	26.9	18.7
3 22	14 7.04	−38 8.0	0.902	1.743	24.6	18.4
4 1	13 57.00	−42 27.7	0.854	1.735	22.4	18.2
4 11	13 41.51	−46 8.3	0.825	1.728	21.0	18.1
4 21	13 22.30	−48 48.6	0.815	1.724	20.8	18.1
5 1	13 2.83	−50 18.6	0.823	1.722	22.0	18.1
5 11	12 47.03	−50 46.5	0.846	1.723	23.9	18.2
5 21	12 37.52	−50 31.2	0.881	1.726	26.1	18.4

206884 2004 GZ_{10} 4 15.1 12.°38 11.°2/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.16	+17 49.0	1.613	2.468	14.6	19.1
3 22	13 51.76	+19 8.3	1.573	2.471	12.6	19.0
4 1	13 45.16	+20 11.3	1.555	2.476	11.3	18.9
4 11	13 37.28	+20 49.0	1.560	2.482	11.5	18.9
4 21	13 29.16	+20 55.8	1.587	2.488	12.9	19.0
5 1	13 21.90	+20 30.0	1.636	2.496	14.9	19.2
5 11	13 16.36	+19 34.2	1.704	2.504	17.2	19.4
5 21	13 13.03	+18 13.2	1.788	2.513	19.2	19.5

352432 2008 AY_{12} 4 15.1 22.°21 4.°2/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.77	+ 0 28.0	2.199	3.057	11.1	20.7
3 22	13 49.54	+ 1 32.5	2.131	3.058	8.2	20.5
4 1	13 43.69	+ 2 38.8	2.089	3.059	5.5	20.4
4 11	13 36.85	+ 3 40.8	2.074	3.060	4.2	20.3
4 21	13 29.73	+ 4 33.0	2.088	3.061	5.7	20.4
5 1	13 23.11	+ 5 10.9	2.128	3.061	8.5	20.6
5 11	13 17.67	+ 5 31.7	2.192	3.062	11.4	20.7
5 21	13 13.86	+ 5 34.7	2.278	3.063	13.9	20.9

114919 2003 QQ_{38} 4 15.1 136.°76 1.°7/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.99	− 8 29.9	1.664	2.514	14.5	20.4
3 22	13 53.85	− 7 38.6	1.597	2.521	10.6	20.2
4 1	13 46.47	− 6 36.6	1.553	2.528	6.3	20.0
4 11	13 37.69	− 5 29.8	1.536	2.535	2.2	19.7
4 21	13 28.55	− 4 25.1	1.546	2.541	3.9	19.8
5 1	13 20.17	− 3 29.6	1.583	2.547	8.3	20.1
5 11	13 13.47	− 2 48.9	1.644	2.553	12.4	20.4
5 21	13 9.03	− 2 25.8	1.727	2.558	15.8	20.6

253572 2003 SP_{304} 4 15.1 266.°00 1.°0/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.13	− 8 51.3	1.717	2.560	14.4	20.9
3 22	13 55.80	− 8 30.7	1.617	2.538	10.8	20.6
4 1	13 47.93	− 7 59.6	1.541	2.515	6.6	20.3
4 11	13 38.21	− 7 21.7	1.491	2.491	2.0	20.0
4 21	13 27.68	− 6 42.1	1.469	2.467	3.5	20.0
5 1	13 17.54	− 6 7.0	1.474	2.442	8.4	20.3
5 11	13 8.98	− 5 42.1	1.503	2.417	13.0	20.5
5 21	13 2.79	− 5 31.3	1.554	2.391	17.0	20.7

491745 2012 VV_{58} 4 15.1 128.°49 0.°4/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.98	−13 39.1	2.526	3.349	11.0	22.0
3 22	13 50.25	−13 4.3	2.451	3.359	8.2	21.8
4 1	13 44.04	−12 19.2	2.401	3.369	5.0	21.7
4 11	13 36.94	−11 26.9	2.379	3.378	1.6	21.4
4 21	13 29.62	−10 31.3	2.387	3.387	1.9	21.5
5 1	13 22.78	− 9 37.1	2.424	3.396	5.3	21.7
5 11	13 17.04	− 8 48.8	2.489	3.405	8.4	21.9
5 21	13 12.81	− 8 9.7	2.578	3.413	11.0	22.1

439588 2014 DQ_{118} 4 15.1 287.°72 4.°6/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.45	+ 1 49.9	2.262	3.121	10.8	20.9
3 22	13 49.35	+ 2 57.0	2.184	3.109	8.1	20.7
4 1	13 43.62	+ 4 5.6	2.131	3.098	5.6	20.5
4 11	13 36.85	+ 5 9.6	2.105	3.087	4.6	20.5
4 21	13 29.73	+ 6 3.3	2.108	3.076	6.1	20.5
5 1	13 23.03	+ 6 42.0	2.137	3.064	8.9	20.7
5 11	13 17.45	+ 7 2.7	2.191	3.053	11.7	20.8
5 21	13 13.47	+ 7 5.0	2.266	3.042	14.2	21.0

50458 2000 DC_{55} 4 15.1 161.°42 0.°2/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.86	−12 16.8	2.206	3.036	12.1	19.7
3 22	13 51.89	−11 56.7	2.127	3.039	9.1	19.5
4 1	13 45.16	−11 26.5	2.071	3.041	5.5	19.2
4 11	13 37.30	−10 48.9	2.043	3.043	1.7	19.0
4 21	13 29.11	−10 8.0	2.044	3.044	2.2	19.0
5 1	13 21.43	− 9 28.4	2.074	3.046	6.0	19.3
5 11	13 15.01	− 8 54.7	2.129	3.047	9.5	19.5
5 21	13 10.35	− 8 30.3	2.209	3.048	12.5	19.7

349204 2007 RA_{256} 4 15.1 223.°35 3.°0/12.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.40	− 4 5.9	1.746	2.596	13.9	21.2
3 22	13 55.73	− 3 27.7	1.663	2.588	10.3	20.9
4 1	13 47.71	− 2 43.4	1.605	2.579	6.3	20.7
4 11	13 38.11	− 1 58.3	1.574	2.570	3.1	20.4
4 21	13 27.95	− 1 18.7	1.570	2.560	4.9	20.5
5 1	13 18.39	− 0 50.2	1.593	2.549	9.0	20.8
5 11	13 10.44	− 0 37.0	1.641	2.538	13.0	21.0
5 21	13 4.78	− 0 40.9	1.709	2.527	16.5	21.2

462917 2011 AB_{61} 4 15.1 8.°03 6.°8/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.75	+ 5 37.9	1.708	2.571	13.5	20.6
3 22	13 52.89	+ 6 48.9	1.647	2.571	10.4	20.4
4 1	13 45.88	+ 7 57.0	1.610	2.571	7.7	20.2
4 11	13 37.53	+ 8 54.0	1.599	2.571	6.9	20.2
4 21	13 28.83	+ 9 32.7	1.613	2.571	8.6	20.3
5 1	13 20.84	+ 9 48.7	1.653	2.571	11.5	20.4
5 11	13 14.44	+ 9 40.5	1.715	2.571	14.6	20.6
5 21	13 10.19	+ 9 9.8	1.795	2.571	17.4	20.8

36642 2000 QU_{186} 4 15.1 85.°13 4.°2/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.48	− 2 54.1	1.416	2.282	15.6	19.0
3 22	13 54.46	− 1 54.9	1.359	2.291	11.5	18.8
4 1	13 46.93	− 0 50.1	1.324	2.300	7.1	18.5
4 11	13 37.85	+ 0 12.2	1.315	2.309	4.2	18.4
4 21	13 28.42	+ 1 3.9	1.332	2.318	6.3	18.5
5 1	13 19.91	+ 1 38.3	1.373	2.327	10.4	18.8
5 11	13 13.33	+ 1 51.8	1.438	2.336	14.5	19.0
5 21	13 9.28	+ 1 43.9	1.521	2.345	17.9	19.3

39441 2293 T_{-3} 4 15.1 176.°27 2.°0/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.57	−17 14.4	2.590	3.394	11.3	20.1
3 22	13 52.26	−17 22.7	2.503	3.395	8.7	19.9
4 1	13 45.34	−17 20.2	2.440	3.396	5.8	19.8
4 11	13 37.37	−17 8.0	2.405	3.396	2.9	19.6
4 21	13 29.05	−16 48.1	2.399	3.397	2.4	19.5
5 1	13 21.14	−16 23.6	2.422	3.397	5.1	19.7
5 11	13 14.33	−15 58.7	2.473	3.397	8.1	19.9
5 21	13 9.11	−15 36.8	2.549	3.396	10.8	20.1

401300 2012 HQ_{31} 4 15.1 28.°04 0.°6/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 51.50	− 9 57.1	2.604	3.443	10.2	20.3
3 22	13 47.67	− 9 23.1	2.531	3.450	7.5	20.1
4 1	13 42.49	− 8 41.7	2.485	3.458	4.4	20.0
4 11	13 36.51	− 7 56.3	2.466	3.466	1.3	19.7
4 21	13 30.31	− 7 10.6	2.476	3.474	2.3	19.8
5 1	13 24.54	− 6 28.7	2.515	3.483	5.4	20.1
5 11	13 19.74	− 5 54.1	2.580	3.492	8.3	20.2
5 21	13 16.32	− 5 29.4	2.669	3.501	10.8	20.4

456759 2007 TX_{93} 4 15.1 256.°64 0.°9/14.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.42	−11 31.9	1.635	2.481	14.8	21.7
3 22	13 53.01	−10 35.5	1.545	2.467	11.1	21.4
4 1	13 46.18	− 9 22.8	1.478	2.453	6.7	21.1
4 11	13 37.69	− 7 59.0	1.438	2.438	1.9	20.8
4 21	13 28.57	− 6 31.6	1.424	2.422	3.5	20.8
5 1	13 19.99	− 5 9.6	1.437	2.407	8.5	21.1
5 11	13 13.04	− 4 1.2	1.475	2.391	13.0	21.3
5 21	13 8.42	− 3 11.8	1.534	2.374	17.0	21.5

19479 1998 HG_{97} 4 15.1 270.°24 1.°3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.88	− 7 11.1	2.437	3.277	10.8	18.8
3 22	13 51.13	− 6 47.0	2.341	3.261	8.0	18.6
4 1	13 44.72	− 6 16.6	2.270	3.244	4.8	18.3
4 11	13 37.21	− 5 43.2	2.228	3.227	1.6	18.1
4 21	13 29.28	− 5 10.5	2.214	3.210	2.9	18.2
5 1	13 21.69	− 4 42.6	2.229	3.192	6.3	18.3
5 11	13 15.16	− 4 23.0	2.270	3.175	9.6	18.5
5 21	13 10.20	− 4 14.1	2.335	3.157	12.5	18.7

491079 2011 RP_{15} 4 15.1 190.°47 1.°2/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.81	−16 47.8	2.839	3.646	10.3	22.7
3 22	13 50.08	−16 21.5	2.748	3.644	7.9	22.6
4 1	13 43.95	−15 44.0	2.683	3.643	5.1	22.4
4 11	13 36.95	−14 57.4	2.645	3.640	2.2	22.2
4 21	13 29.67	−14 4.9	2.638	3.638	1.9	22.1
5 1	13 22.78	−13 10.4	2.660	3.635	4.7	22.3
5 11	13 16.84	−12 18.5	2.711	3.631	7.6	22.5
5 21	13 12.29	−11 32.7	2.786	3.627	10.2	22.7

332329 2006 YV_{53} 4 15.1 330.°99 6.°8/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.79	+ 2 10.5	1.357	2.237	15.2	19.7
3 22	13 50.58	+ 3 29.4	1.286	2.222	11.6	19.4
4 1	13 44.80	+ 4 51.1	1.236	2.208	8.1	19.2
4 11	13 37.29	+ 6 5.2	1.211	2.194	6.8	19.0
4 21	13 29.16	+ 7 1.9	1.210	2.181	9.1	19.1
5 1	13 21.70	+ 7 33.5	1.231	2.169	12.9	19.3
5 11	13 16.03	+ 7 36.3	1.273	2.158	16.9	19.5
5 21	13 12.85	+ 7 11.0	1.332	2.148	20.4	19.7

258871 2002 PG_{179} 4 15.1 301.°90 5.°3/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.85	−23 9.0	1.506	2.318	17.6	20.2
3 22	13 53.80	−23 30.3	1.414	2.304	14.3	20.0
4 1	13 46.92	−23 29.1	1.342	2.289	10.5	19.7
4 11	13 37.98	−23 4.0	1.293	2.274	6.8	19.4
4 21	13 28.15	−22 16.9	1.268	2.260	5.5	19.3
5 1	13 18.86	−21 13.7	1.269	2.246	8.3	19.4
5 11	13 11.45	−20 4.1	1.293	2.232	12.5	19.6
5 21	13 6.78	−18 57.6	1.338	2.219	16.6	19.9

298322 2003 ER_{61} 4 15.1 38.°07 1.°7/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.53	− 7 30.4	2.156	3.005	11.6	20.9
3 22	13 49.43	− 6 37.1	2.083	3.008	8.5	20.7
4 1	13 43.67	− 5 36.0	2.035	3.010	5.0	20.5
4 11	13 36.88	− 4 31.9	2.015	3.013	2.0	20.3
4 21	13 29.82	− 3 30.3	2.022	3.016	3.5	20.4
5 1	13 23.26	− 2 36.6	2.058	3.019	7.0	20.6
5 11	13 17.90	− 1 55.2	2.120	3.022	10.3	20.8
5 21	13 14.21	− 1 28.5	2.203	3.025	13.1	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
322324	2011 GR_{64}		4 15.1	313.°45	6.°4/ 9.4	17
	h m	° ′			°	m
3 12	13 55.22	+ 3 39.3	1.663	2.532	13.5	20.5
3 22	13 51.23	+ 4 51.2	1.588	2.517	10.3	20.3
4 1	13 45.03	+ 6 3.6	1.536	2.502	7.4	20.1
4 11	13 37.34	+ 7 8.0	1.509	2.487	6.4	20.0
4 21	13 29.13	+ 7 56.5	1.508	2.473	8.3	20.0
5 1	13 21.49	+ 8 23.1	1.531	2.459	11.6	20.2
5 11	13 15.36	+ 8 24.9	1.577	2.446	15.1	20.4
5 21	13 11.41	+ 8 2.5	1.641	2.433	18.2	20.5
38870	2000 SQ_{114}		4 15.1	232.°67	0.°7/14.5	18
3 12	13 56.54	−10 34.8	1.939	2.780	13.1	19.6
3 22	13 51.92	− 9 54.5	1.856	2.775	9.7	19.4
4 1	13 45.32	− 9 2.9	1.797	2.770	5.8	19.1
4 11	13 37.41	− 8 4.0	1.765	2.765	1.7	18.9
4 21	13 29.08	− 7 3.6	1.761	2.759	3.0	18.9
5 1	13 21.28	− 6 7.9	1.784	2.753	7.1	19.2
5 11	13 14.86	− 5 22.3	1.834	2.747	11.0	19.4
5 21	13 10.40	− 4 50.7	1.905	2.741	14.3	19.6
215126	1999 RX_{122}		4 15.1	280.°19	0.°4/15.6	17
3 12	13 54.32	−14 24.3	2.531	3.353	11.0	21.0
3 22	13 50.03	−13 39.3	2.416	3.324	8.3	20.8
4 1	13 44.11	−12 41.3	2.326	3.294	5.2	20.6
4 11	13 37.06	−11 33.0	2.265	3.264	1.7	20.3
4 21	13 29.54	−10 18.7	2.233	3.233	2.1	20.2
5 1	13 22.28	− 9 3.7	2.230	3.202	5.7	20.4
5 11	13 16.01	− 7 53.9	2.255	3.170	9.2	20.6
5 21	13 11.26	− 6 53.9	2.304	3.139	12.2	20.7
58122	1981 EW_{19}		4 15.1	324.°23	5.°2/18.1	17
3 12	14 0.38	−20 4.6	1.322	2.151	18.7	19.4
3 22	13 55.97	−20 50.6	1.240	2.142	14.9	19.2
4 1	13 48.38	−21 17.4	1.177	2.132	10.6	18.9
4 11	13 38.45	−21 23.0	1.137	2.124	6.5	18.6
4 21	13 27.53	−21 8.3	1.121	2.115	5.4	18.5
5 1	13 17.27	−20 38.2	1.129	2.108	8.9	18.7
5 11	13 9.15	−20 1.5	1.160	2.100	13.5	18.9
5 21	13 4.14	−19 26.8	1.210	2.094	17.8	19.1
151836	2003 FH_{126}		4 15.1	221.°73	0.°5/14.6	17
3 12	13 57.47	−10 51.9	1.988	2.826	12.9	21.0
3 22	13 52.59	−10 15.9	1.903	2.820	9.6	20.8
4 1	13 45.72	− 9 28.6	1.842	2.814	5.8	20.5
4 11	13 37.54	− 8 34.0	1.807	2.807	1.7	20.2
4 21	13 28.92	− 7 37.3	1.802	2.800	2.8	20.3
5 1	13 20.82	− 6 44.3	1.824	2.793	7.0	20.6
5 11	13 14.08	− 6 0.6	1.872	2.786	10.8	20.8
5 21	13 9.30	− 5 30.0	1.942	2.778	14.1	21.0
491252	2011 US_{245}		4 15.1	242.°30	2.°2/12.7	16
3 12	13 56.20	− 3 31.5	2.732	3.572	9.7	22.3
3 22	13 51.17	− 3 1.1	2.638	3.558	7.2	22.1
4 1	13 44.67	− 2 27.3	2.571	3.543	4.4	21.9
4 11	13 37.20	− 1 53.4	2.533	3.528	2.2	21.7
4 21	13 29.39	− 1 23.1	2.524	3.512	3.5	21.8
5 1	13 21.91	− 0 59.8	2.545	3.496	6.4	21.9
5 11	13 15.38	− 0 46.4	2.592	3.480	9.2	22.1
5 21	13 10.25	− 0 44.2	2.663	3.463	11.7	22.2
240215	2002 SY_{42}		4 15.1	160.°92	0.°2/14.9	18
3 12	13 55.51	−11 55.0	2.687	3.512	10.4	21.8
3 22	13 50.59	−11 16.7	2.608	3.518	7.7	21.7
4 1	13 44.26	−10 29.5	2.554	3.523	4.6	21.5
4 11	13 37.07	− 9 36.5	2.529	3.528	1.3	21.2
4 21	13 29.64	− 8 41.5	2.534	3.533	2.0	21.3
5 1	13 22.64	− 7 49.1	2.568	3.537	5.3	21.5
5 11	13 16.68	− 7 3.2	2.631	3.541	8.2	21.7
5 21	13 12.15	− 6 26.7	2.718	3.544	10.8	21.9
372488	2009 SC_{233}		4 15.1	177.°36	0.°0/15.1	17
3 12	13 59.46	−11 27.0	2.466	3.288	11.2	22.5
3 22	13 53.65	−11 6.8	2.382	3.291	8.4	22.4
4 1	13 46.18	−10 37.8	2.324	3.292	5.1	22.1
4 11	13 37.65	−10 2.7	2.294	3.294	1.5	21.9
4 21	13 28.81	− 9 25.0	2.294	3.294	2.1	21.9
5 1	13 20.43	− 8 48.9	2.324	3.294	5.7	22.2
5 11	13 13.23	− 8 18.2	2.382	3.293	8.9	22.4
5 21	13 7.69	− 7 56.1	2.464	3.291	11.8	22.6
129800	1999 JS_{131}		4 15.1	36.°68	5.°7/11.2	18
3 12	13 59.64	+ 0 55.4	1.356	2.227	15.8	19.2
3 22	13 54.75	+ 1 51.3	1.297	2.230	11.9	18.9
4 1	13 47.21	+ 2 48.4	1.260	2.233	7.9	18.7
4 11	13 38.00	+ 3 38.2	1.248	2.236	5.7	18.6
4 21	13 28.35	+ 4 12.6	1.261	2.240	7.7	18.7
5 1	13 19.62	+ 4 25.9	1.298	2.244	11.7	18.9
5 11	13 12.88	+ 4 15.7	1.356	2.248	15.6	19.2
5 21	13 8.77	+ 3 43.3	1.433	2.252	19.1	19.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V	
300887	2008 AH_{137}		4 15.1	154.°70	3.°3/10.8	18	
	h m	° ′			°	m	
3 12	13 53.18	− 1 46.7	2.536	3.388	10.0	20.4	
3 22	13 48.93	− 0 31.2	2.466	3.391	7.3	20.2	
4 1	13 43.28	+ 0 47.7	2.424	3.395	4.7	20.1	
4 11	13 36.78	+ 2 4.7	2.410	3.398	3.3	20.0	
4 21	13 30.05	+ 3 14.2	2.425	3.401	4.8	20.1	
5 1	13 23.77	+ 4 11.6	2.469	3.404	7.4	20.3	
5 11	13 18.50	+ 4 53.7	2.538	3.406	10.1	20.4	
5 21	13 14.65	+ 5 19.3	2.630	3.409	12.4	20.6	
523658	2012 DW_{98}		4 15.1	355.°44	0.°0/15.7	18	
3 12	13 36.51	−11 33.1	38.901	39.719	0.8	22.1	
3 22	13 35.84	−11 28.6	38.813	39.719	0.6	22.1	
4 1	13 35.10	−11 23.7	38.752	39.719	0.4	22.0	
4 11	13 34.32	−11 18.4	38.721	39.719	0.1	22.0	
4 21	13 33.52	−11 12.9	38.719	39.719	0.1	22.0	
5 1	13 32.75	−11 7.5	38.746	39.719	0.4	22.0	
5 11	13 32.02	−11 2.3	38.803	39.719	0.6	22.1	
5 21	13 31.36	−10 57.5	38.885	39.719	0.8	22.1	
52999	1998 UQ_{34}		4 15.1	245.°20	2.°8/13.2	18	
3 12	14 2.65	− 4 52.7	1.661	2.511	14.5	19.5	
3 22	13 56.92	− 4 18.7	1.571	2.495	10.8	19.2	
4 1	13 48.61	− 3 37.2	1.504	2.478	6.6	19.0	
4 11	13 38.47	− 2 53.6	1.463	2.460	3.0	18.7	
4 21	13 27.59	− 2 14.1	1.449	2.442	4.9	18.8	
5 1	13 17.22	− 1 44.9	1.463	2.423	9.4	19.0	
5 11	13 8.54	− 1 31.0	1.501	2.403	13.8	19.2	
5 21	13 2.30	− 1 34.6	1.560	2.383	17.6	19.4	
507595	2013 BJ_{68}		4 15.1	150.°89	1.°5/16.8	17	
3 12	13 55.75	−16 21.8	2.670	3.480	10.8	21.9	
3 22	13 50.85	−16 14.7	2.587	3.484	8.3	21.7	
4 1	13 44.46	−15 57.0	2.528	3.488	5.4	21.6	
4 11	13 37.14	−15 30.5	2.497	3.491	2.4	21.4	
4 21	13 29.54	−14 57.7	2.495	3.495	2.0	21.3	
5 1	13 22.35	−14 22.3	2.523	3.498	4.9	21.5	
5 11	13 16.20	−13 48.2	2.578	3.501	7.8	21.7	
5 21	13 11.53	−13 19.1	2.658	3.504	10.4	21.9	
436336	2010 HA_{14}		4 15.1	302.°52	8.°7/ 4.5	18	
3 12	13 53.98	+14 1.3	2.090	2.942	11.8	20.5	
3 22	13 49.92	+15 37.0	2.026	2.929	9.9	20.3	
4 1	13 44.06	+17 4.7	1.986	2.915	8.8	20.2	
4 11	13 37.05	+18 16.3	1.973	2.902	9.0	20.2	
4 21	13 29.66	+19 5.3	1.984	2.888	10.5	20.3	
5 1	13 22.76	+19 27.7	2.019	2.875	12.6	20.4	
5 11	13 17.12	+19 22.8	2.074	2.862	14.9	20.5	
5 21	13 13.25	+18 52.8	2.146	2.849	16.9	20.6	
173924	2001 VP_{70}		4 15.1	137.°23	0.°0/15.1	18	
3 12	13 55.54	−11 46.1	2.725	3.550	10.2	21.3	
3 22	13 50.58	−11 18.9	2.650	3.560	7.6	21.1	
4 1	13 44.24	−10 43.6	2.601	3.570	4.6	20.9	
4 11	13 37.07	−10 3.0	2.580	3.580	1.4	20.7	
4 21	13 29.68	− 9 20.4	2.589	3.589	1.9	20.8	
5 1	13 22.74	− 8 39.7	2.628	3.598	5.1	21.0	
5 11	13 16.81	− 8 4.5	2.694	3.606	8.0	21.2	
5 21	13 12.31	− 7 37.6	2.785	3.615	10.5	21.4	
5630	Billschaefer		4 15.1	326.°27	1.°1/14.4	18	R
3 12	13 54.69	−10 49.8	1.163	2.035	17.9	16.5	
3 22	13 51.74	−10 9.0	1.087	2.022	13.4	16.2	
4 1	13 45.77	− 9 9.9	1.031	2.009	8.1	15.8	
4 11	13 37.68	− 7 58.3	0.997	1.997	2.4	15.5	
4 21	13 28.78	− 6 43.3	0.987	1.986	4.2	15.5	
5 1	13 20.61	− 5 35.8	1.000	1.976	10.2	15.8	
5 11	13 14.55	− 4 45.4	1.034	1.967	15.6	16.1	
5 21	13 11.44	− 4 17.5	1.086	1.959	20.3	16.3	
161262	2003 FQ_{28}		4 15.1	286.°74	5.°0/11.9	18	
3 12	14 1.13	− 0 14.5	1.400	2.267	15.7	19.4	
3 22	13 56.17	+ 0 25.2	1.317	2.248	11.9	19.1	
4 1	13 48.33	+ 1 8.2	1.256	2.230	7.7	18.8	
4 11	13 38.43	+ 1 47.1	1.220	2.211	5.1	18.6	
4 21	13 27.70	+ 2 14.0	1.209	2.193	7.1	18.6	
5 1	13 17.57	+ 2 22.7	1.222	2.174	11.6	18.8	
5 11	13 9.35	+ 2 9.3	1.257	2.156	16.1	19.0	
5 21	13 3.88	+ 1 34.0	1.311	2.138	20.1	19.2	
87553	2000 QO_{229}		4 15.2	165.°53	5.°0/ 9.5	17	
3 12	13 55.90	+ 1 34.1	2.120	2.977	11.5	19.7	
3 22	13 51.17	+ 3 3.8	2.056	2.981	8.6	19.5	
4 1	13 44.73	+ 4 35.1	2.018	2.984	6.0	19.4	
4 11	13 37.24	+ 6 0.7	2.008	2.987	5.0	19.3	
4 21	13 29.48	+ 7 13.8	2.026	2.989	6.7	19.4	
5 1	13 22.27	+ 8 9.0	2.071	2.991	9.5	19.6	
5 11	13 16.33	+ 8 43.4	2.140	2.993	12.3	19.8	
5 21	13 12.12	+ 8 56.7	2.230	2.994	14.8	19.9	

209388 2004 EM_{49} 4 15.2 304.°31 3.°2/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.24	− 3 41.2	2.085	2.942	11.6	20.3
3 22	13 49.33	− 2 30.0	2.008	2.937	8.5	20.0
4 1	13 43.69	− 1 12.5	1.957	2.931	5.3	19.8
4 11	13 36.96	+ 0 5.0	1.933	2.926	3.3	19.7
4 21	13 29.89	+ 1 16.1	1.937	2.921	5.0	19.8
5 1	13 23.30	+ 2 14.7	1.969	2.915	8.3	20.0
5 11	13 17.92	+ 2 56.6	2.025	2.910	11.5	20.2
5 21	13 14.24	+ 3 20.1	2.102	2.905	14.3	20.3

155504 1999 LC_{7} 4 15.2 267.°73 7.°8/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.67	+ 9 52.0	1.907	2.761	12.7	20.3
3 22	13 53.57	+11 2.9	1.833	2.746	10.2	20.1
4 1	13 46.37	+12 8.4	1.783	2.731	8.2	19.9
4 11	13 37.79	+13 0.4	1.759	2.715	7.9	19.9
4 21	13 28.74	+13 32.2	1.761	2.699	9.5	19.9
5 1	13 20.22	+13 39.7	1.787	2.682	12.1	20.0
5 11	13 13.14	+13 21.6	1.836	2.666	14.9	20.2
5 21	13 8.10	+12 40.1	1.903	2.649	17.5	20.3

308052 2004 TZ_{46} 4 15.2 221.°90 0.°1/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.91	−13 41.9	1.713	2.549	14.8	21.1
3 22	13 54.01	−12 56.1	1.627	2.542	11.1	20.9
4 1	13 46.76	−11 53.6	1.563	2.534	6.8	20.6
4 11	13 37.93	−10 38.6	1.526	2.525	2.1	20.3
4 21	13 28.54	− 9 17.8	1.516	2.516	2.9	20.3
5 1	13 19.74	− 7 59.3	1.534	2.507	7.7	20.6
5 11	13 12.57	− 6 51.0	1.577	2.496	12.1	20.8
5 21	13 7.68	− 5 58.6	1.642	2.486	15.9	21.0

344273 2001 TD_{48} 4 15.2 111.°91 0.°1/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.84	−12 23.1	2.404	3.233	11.3	21.4
3 22	13 50.24	−11 45.7	2.331	3.243	8.4	21.3
4 1	13 44.12	−10 58.4	2.283	3.253	5.0	21.1
4 11	13 37.07	−10 4.5	2.263	3.263	1.5	20.8
4 21	13 29.79	− 9 8.6	2.273	3.273	2.1	20.9
5 1	13 23.01	− 8 15.2	2.311	3.282	5.6	21.2
5 11	13 17.37	− 7 29.0	2.376	3.291	8.8	21.4
5 21	13 13.28	− 6 53.2	2.465	3.300	11.5	21.6

172465 2003 SV_{10} 4 15.2 127.°54 0.°9/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.19	−14 27.4	1.847	2.672	14.3	21.4
3 22	13 55.34	−14 5.1	1.779	2.687	10.8	21.2
4 1	13 47.36	−13 28.9	1.734	2.701	6.7	21.0
4 11	13 38.06	−12 42.1	1.716	2.714	2.4	20.7
4 21	13 28.47	−11 49.6	1.726	2.727	2.5	20.7
5 1	13 19.62	−10 57.5	1.765	2.739	6.7	21.0
5 11	13 12.40	−10 11.9	1.829	2.751	10.6	21.3
5 21	13 7.36	− 9 37.1	1.917	2.762	13.9	21.5

263689 2008 GZ_{133} 4 15.2 10.°19 0.°3/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.59	−11 4.7	1.291	2.155	16.9	20.1
3 22	13 51.98	−10 43.5	1.227	2.157	12.6	19.9
4 1	13 45.68	−10 7.9	1.183	2.159	7.7	19.6
4 11	13 37.63	− 9 22.6	1.163	2.163	2.2	19.3
4 21	13 29.05	− 8 34.5	1.167	2.167	3.4	19.3
5 1	13 21.32	− 7 51.4	1.195	2.173	8.7	19.7
5 11	13 15.58	− 7 20.3	1.246	2.179	13.5	20.0
5 21	13 12.47	− 7 5.3	1.317	2.186	17.6	20.2

122548 2000 QK_{228} 4 15.2 191.°77 2.°2/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.94	−18 42.8	2.454	3.252	12.0	22.0
3 22	13 53.41	−18 32.9	2.362	3.250	9.3	21.8
4 1	13 46.13	−18 9.6	2.294	3.248	6.3	21.6
4 11	13 37.72	−17 34.2	2.254	3.245	3.2	21.4
4 21	13 28.91	−16 49.6	2.243	3.241	2.5	21.4
5 1	13 20.55	−16 0.1	2.262	3.237	5.4	21.6
5 11	13 13.38	−15 10.9	2.309	3.232	8.6	21.8
5 21	13 7.92	−14 26.7	2.380	3.226	11.5	21.9

147828 2005 SG_{239} 4 15.2 300.°73 0.°8/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.39	− 9 37.4	2.128	2.971	12.0	20.7
3 22	13 50.28	− 9 5.3	2.035	2.956	8.9	20.5
4 1	13 44.35	− 8 23.6	1.967	2.940	5.4	20.2
4 11	13 37.21	− 7 36.1	1.925	2.925	1.6	20.0
4 21	13 29.61	− 6 47.4	1.912	2.911	2.8	20.0
5 1	13 22.41	− 6 2.7	1.927	2.896	6.7	20.2
5 11	13 16.40	− 5 26.9	1.967	2.881	10.4	20.4
5 21	13 12.15	− 5 3.3	2.030	2.867	13.6	20.6

303292 2004 SV_{3} 4 15.2 174.°59 0.°8/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.80	−14 10.1	1.832	2.658	14.4	21.9
3 22	13 55.95	−13 50.8	1.753	2.661	10.9	21.7
4 1	13 47.84	−13 17.5	1.696	2.663	6.8	21.5
4 11	13 38.25	−12 33.2	1.667	2.665	2.4	21.2
4 21	13 28.20	−11 42.4	1.665	2.666	2.5	21.2
5 1	13 18.81	−10 51.4	1.692	2.666	7.0	21.5
5 11	13 11.04	−10 6.4	1.745	2.666	11.0	21.7
5 21	13 5.51	− 9 32.1	1.820	2.665	14.6	21.9

51350 2000 QU_{176} 4 15.2 227.°20 3.°5/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 51.04	−30 17.0	4.682	5.400	7.8	19.2
3 22	13 46.99	−30 29.9	4.581	5.398	6.6	19.1
4 1	13 42.02	−30 32.5	4.503	5.395	5.2	19.0
4 11	13 36.46	−30 24.8	4.453	5.392	4.1	18.9
4 21	13 30.70	−30 7.7	4.430	5.389	3.5	18.8
5 1	13 25.14	−29 42.5	4.436	5.387	3.9	18.9
5 11	13 20.16	−29 11.6	4.471	5.384	5.0	18.9
5 21	13 16.08	−28 37.7	4.531	5.381	6.4	19.0

473022 2015 HS_{59} 4 15.2 214.°07 3.°8/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.40	−23 33.4	2.362	3.146	12.9	21.0
3 22	13 51.67	−23 37.5	2.272	3.145	10.3	20.8
4 1	13 45.14	−23 25.4	2.205	3.143	7.5	20.6
4 11	13 37.44	−22 57.5	2.163	3.141	4.8	20.5
4 21	13 29.34	−22 15.9	2.149	3.139	3.9	20.4
5 1	13 21.68	−21 24.8	2.164	3.137	5.8	20.5
5 11	13 15.25	−20 29.9	2.205	3.135	8.6	20.7
5 21	13 10.57	−19 36.7	2.271	3.133	11.4	20.9

368920 2006 UT_{142} 4 15.2 279.°82 2.°0/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.33	−15 55.5	1.632	2.463	15.6	21.5
3 22	13 54.53	−15 57.5	1.546	2.455	12.0	21.2
4 1	13 47.20	−15 43.8	1.482	2.447	7.8	21.0
4 11	13 38.12	−15 16.0	1.443	2.438	3.5	20.7
4 21	13 28.36	−14 37.8	1.430	2.430	3.0	20.6
5 1	13 19.19	−13 55.0	1.444	2.422	7.4	20.9
5 11	13 11.72	−13 14.8	1.482	2.414	11.8	21.1
5 21	13 6.70	−12 43.1	1.542	2.406	15.8	21.3

163613 2002 TM_{278} 4 15.2 123.°91 3.°7/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.35	−24 25.0	2.525	3.299	12.4	19.7
3 22	13 52.15	−24 20.4	2.447	3.312	9.9	19.6
4 1	13 45.31	−23 59.6	2.391	3.325	7.2	19.4
4 11	13 37.46	−23 23.5	2.362	3.338	4.7	19.3
4 21	13 29.35	−22 34.6	2.362	3.350	3.7	19.2
5 1	13 21.77	−21 37.3	2.390	3.362	5.4	19.4
5 11	13 15.39	−20 37.2	2.446	3.373	8.0	19.5
5 21	13 10.69	−19 39.3	2.527	3.384	10.6	19.7

238550 2004 VP_{75} 4 15.2 235.°81 3.°1/12.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.75	− 2 49.3	1.877	2.721	13.3	21.2
3 22	13 57.48	− 2 19.4	1.785	2.705	10.0	21.0
4 1	13 48.86	− 1 45.0	1.717	2.689	6.2	20.7
4 11	13 38.60	− 1 11.1	1.677	2.672	3.2	20.5
4 21	13 27.69	− 0 43.1	1.665	2.654	4.9	20.5
5 1	13 17.26	− 0 26.0	1.682	2.635	8.9	20.7
5 11	13 8.35	− 0 23.3	1.723	2.615	12.8	20.9
5 21	13 1.66	− 0 36.5	1.787	2.594	16.3	21.1

318050 2004 FC_{32} 4 15.2 332.°28 20.°3/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 49.20	+17 56.2	0.633	1.545	22.9	19.7
3 22	13 49.65	+19 59.2	0.565	1.503	21.0	19.4
4 1	13 45.72	+21 46.3	0.511	1.463	20.3	19.1
4 11	13 38.04	+22 50.7	0.471	1.425	21.6	18.9
4 21	13 28.16	+22 47.0	0.442	1.390	24.7	18.8
5 1	13 18.53	+21 17.3	0.425	1.358	29.0	18.8
5 11	13 11.73	+18 18.7	0.416	1.330	33.6	18.8
5 21	13 9.40	+14 2.0	0.416	1.307	37.9	18.9

57165 2001 QK_{18} 4 15.2 172.°38 1.°6/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.26	− 7 46.7	2.123	2.964	12.1	20.8
3 22	13 52.98	− 7 1.3	2.047	2.967	8.9	20.6
4 1	13 45.89	− 6 7.8	1.996	2.969	5.3	20.4
4 11	13 37.66	− 5 10.8	1.972	2.971	1.9	20.2
4 21	13 29.10	− 4 15.4	1.978	2.973	3.4	20.3
5 1	13 21.09	− 3 27.2	2.012	2.974	7.1	20.5
5 11	13 14.40	− 2 50.5	2.073	2.974	10.5	20.7
5 21	13 9.53	− 2 27.8	2.156	2.974	13.5	20.9

300923 2008 CA_{54} 4 15.2 186.°69 3.°5/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.89	− 0 21.1	2.576	3.427	9.9	21.1
3 22	13 49.49	+ 0 42.2	2.503	3.427	7.3	20.9
4 1	13 43.67	+ 1 47.8	2.457	3.426	4.8	20.7
4 11	13 36.98	+ 2 50.6	2.439	3.425	3.5	20.6
4 21	13 30.05	+ 3 45.6	2.450	3.424	4.9	20.7
5 1	13 23.53	+ 4 28.7	2.489	3.423	7.4	20.9
5 11	13 18.02	+ 4 57.3	2.554	3.421	10.1	21.1
5 21	13 13.92	+ 5 10.2	2.641	3.420	12.4	21.2

200583 2001 QZ_{159} 4 15.2 159.°31 3.°8/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.80	−20 14.6	1.655	2.463	16.5	20.6
3 22	13 57.79	−20 30.8	1.578	2.468	13.0	20.4
4 1	13 49.12	−20 28.3	1.521	2.473	9.0	20.2
4 11	13 38.69	−20 7.2	1.490	2.477	5.1	20.0
4 21	13 27.66	−19 30.1	1.485	2.481	4.1	19.9
5 1	13 17.39	−18 42.9	1.508	2.484	7.4	20.1
5 11	13 9.00	−17 53.5	1.556	2.486	11.5	20.3
5 21	13 3.23	−17 9.0	1.626	2.488	15.1	20.6

140936 2001 VV_{84} 4 15.2 100.°19 4.°1/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.68	−24 42.3	2.341	3.119	13.1	20.3
3 22	13 51.84	−24 46.5	2.260	3.127	10.6	20.1
4 1	13 45.22	−24 33.7	2.201	3.135	7.8	19.9
4 11	13 37.47	−24 4.2	2.169	3.143	5.2	19.8
4 21	13 29.38	−23 20.4	2.163	3.150	4.1	19.7
5 1	13 21.82	−22 26.8	2.186	3.158	5.8	19.9
5 11	13 15.53	−21 29.0	2.236	3.166	8.5	20.0
5 21	13 11.02	−20 32.9	2.310	3.173	11.2	20.2

147405 2003 FG_{46} 4 15.2 21.°99 0.°6/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.81	−10 42.9	1.600	2.451	14.9	20.3
3 22	13 52.45	−10 12.3	1.529	2.453	11.1	20.1
4 1	13 45.80	− 9 29.3	1.481	2.456	6.7	19.8
4 11	13 37.67	− 8 38.5	1.458	2.458	1.9	19.5
4 21	13 29.10	− 7 45.9	1.462	2.461	3.1	19.6
5 1	13 21.24	− 6 58.5	1.492	2.465	7.8	19.9
5 11	13 15.05	− 6 22.1	1.546	2.468	12.1	20.1
5 21	13 11.13	− 6 0.5	1.621	2.472	15.7	20.4

90227 2003 BM_{19} 4 15.2 319.°57 7.°1/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.98	+ 8 18.0	1.942	2.803	12.2	18.9
3 22	13 50.79	+ 9 26.2	1.871	2.790	9.7	18.7
4 1	13 44.68	+10 30.1	1.824	2.778	7.6	18.6
4 11	13 37.32	+11 22.3	1.803	2.765	7.2	18.5
4 21	13 29.57	+11 56.4	1.808	2.753	8.8	18.6
5 1	13 22.33	+12 8.2	1.838	2.742	11.4	18.7
5 11	13 16.43	+11 56.3	1.889	2.731	14.1	18.9
5 21	13 12.40	+11 22.2	1.960	2.720	16.6	19.0

6763 Kochiny 4 15.2 254.°53 3.°9/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.42	−24 34.4	2.291	3.070	13.4	18.4
3 22	13 52.62	−24 23.0	2.182	3.051	10.8	18.2
4 1	13 45.85	−23 52.7	2.095	3.031	7.9	18.0
4 11	13 37.71	−23 3.6	2.033	3.011	5.1	17.8
4 21	13 29.01	−21 58.1	2.000	2.991	4.0	17.6
5 1	13 20.67	−20 41.2	1.995	2.969	6.1	17.7
5 11	13 13.59	−19 20.0	2.018	2.948	9.3	17.9
5 21	13 8.36	−18 1.4	2.065	2.925	12.5	18.0

213890 2003 SX_{303} 4 15.2 183.°27 1.°7/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.76	− 7 48.5	1.940	2.782	13.0	20.9
3 22	13 54.28	− 7 2.9	1.863	2.783	9.6	20.7
4 1	13 46.77	− 6 8.2	1.810	2.783	5.7	20.5
4 11	13 37.95	− 5 9.4	1.784	2.783	2.1	20.2
4 21	13 28.74	− 4 12.3	1.787	2.782	3.7	20.3
5 1	13 20.12	− 3 22.9	1.818	2.780	7.6	20.6
5 11	13 12.96	− 2 46.1	1.875	2.777	11.4	20.8
5 21	13 7.82	− 2 24.5	1.953	2.774	14.6	21.0

523105 2016 RR_{49} 4 15.2 296.°89 0.°9/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.85	−15 8.7	2.295	3.120	11.9	21.6
3 22	13 49.77	−14 42.9	2.203	3.111	9.0	21.4
4 1	13 44.00	−14 4.6	2.135	3.101	5.7	21.2
4 11	13 37.12	−13 16.4	2.094	3.092	2.2	20.9
4 21	13 29.86	−12 22.1	2.082	3.083	2.1	20.9
5 1	13 23.00	−11 26.9	2.098	3.073	5.7	21.1
5 11	13 17.27	−10 36.0	2.140	3.064	9.1	21.3
5 21	13 13.19	− 9 53.7	2.206	3.055	12.2	21.5

301990 2000 OA_{62} 4 15.2 10.°19 3.°1/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.90	− 6 59.9	1.204	2.078	17.1	20.3
3 22	13 52.34	− 5 55.9	1.142	2.079	12.6	20.0
4 1	13 45.96	− 4 38.9	1.101	2.080	7.6	19.7
4 11	13 37.76	− 3 17.7	1.084	2.082	3.3	19.5
4 21	13 29.03	− 2 2.5	1.090	2.084	5.7	19.6
5 1	13 21.21	− 1 3.3	1.121	2.087	10.7	19.9
5 11	13 15.47	− 0 26.6	1.173	2.091	15.5	20.2
5 21	13 12.48	− 0 14.7	1.243	2.095	19.5	20.5

159069 2004 TD_{193} 4 15.2 351.°75 0.°6/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.60	−10 2.6	1.765	2.611	14.0	20.5
3 22	13 52.89	− 9 41.0	1.689	2.610	10.4	20.3
4 1	13 46.02	− 9 9.0	1.636	2.609	6.3	20.0
4 11	13 37.75	− 8 30.4	1.609	2.609	1.8	19.7
4 21	13 29.02	− 7 50.2	1.609	2.608	3.0	19.8
5 1	13 20.91	− 7 14.2	1.636	2.608	7.4	20.1
5 11	13 14.34	− 6 47.4	1.689	2.608	11.4	20.3
5 21	13 9.91	− 6 33.2	1.762	2.608	14.9	20.5

426158 2012 HQ_{59} 4 15.2 282.°20 1.°7/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.37	− 8 40.8	1.755	2.606	13.8	21.2
3 22	13 52.16	− 7 52.1	1.662	2.587	10.2	20.9
4 1	13 45.70	− 6 51.4	1.593	2.568	6.2	20.6
4 11	13 37.69	− 5 43.6	1.549	2.549	2.1	20.3
4 21	13 29.06	− 4 35.5	1.534	2.530	3.9	20.4
5 1	13 20.88	− 3 34.6	1.545	2.510	8.4	20.6
5 11	13 14.16	− 2 47.2	1.580	2.491	12.6	20.8
5 21	13 9.59	− 2 17.4	1.636	2.471	16.3	21.0

491139 2011 SA_{165} 4 15.2 237.°91 0.°7/14.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.42	− 9 19.2	2.640	3.473	10.3	22.8
3 22	13 50.70	− 8 49.8	2.546	3.461	7.6	22.6
4 1	13 44.47	− 8 13.0	2.478	3.449	4.6	22.4
4 11	13 37.26	− 7 31.8	2.437	3.437	1.4	22.1
4 21	13 29.71	− 6 49.8	2.427	3.425	2.4	22.2
5 1	13 22.49	− 6 11.0	2.446	3.412	5.7	22.4
5 11	13 16.26	− 5 39.2	2.492	3.399	8.8	22.5
5 21	13 11.48	− 5 17.1	2.562	3.385	11.5	22.7

386110 2007 RY_{130} 4 15.2 244.°36 0.°2/15.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.61	−10 27.7	2.106	2.942	12.4	21.5
3 22	13 52.61	−10 15.0	2.024	2.940	9.2	21.3
4 1	13 45.74	− 9 53.6	1.967	2.938	5.6	21.1
4 11	13 37.66	− 9 26.2	1.936	2.936	1.6	20.8
4 21	13 29.18	− 8 56.6	1.934	2.934	2.4	20.8
5 1	13 21.19	− 8 29.2	1.960	2.932	6.4	21.1
5 11	13 14.50	− 8 8.3	2.012	2.929	10.0	21.3
5 21	13 9.66	− 7 56.7	2.087	2.927	13.1	21.5

151914 2004 EO_{54} 4 15.2 0.°26 1.°3/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.12	− 9 22.4	1.120	1.992	18.4	20.0
3 22	13 54.27	− 8 54.6	1.056	1.990	13.7	19.7
4 1	13 47.30	− 8 12.1	1.011	1.989	8.3	19.4
4 11	13 38.21	− 7 21.0	0.989	1.989	2.5	19.0
4 21	13 28.44	− 6 29.5	0.990	1.989	4.3	19.2
5 1	13 19.63	− 5 46.8	1.015	1.990	10.2	19.5
5 11	13 13.11	− 5 20.3	1.061	1.992	15.4	19.8
5 21	13 9.65	− 5 13.7	1.124	1.994	19.9	20.0

20055 1993 FB_{47} 4 15.2 152.°65 0.°2/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.23	−12 11.9	2.081	2.912	12.7	19.9
3 22	13 53.05	−11 51.2	2.004	2.916	9.5	19.7
4 1	13 45.98	−11 19.8	1.951	2.920	5.8	19.4
4 11	13 37.73	−10 40.9	1.925	2.924	1.8	19.2
4 21	13 29.12	− 9 58.5	1.927	2.928	2.3	19.2
5 1	13 21.07	− 9 17.7	1.958	2.931	6.3	19.5
5 11	13 14.38	− 8 43.4	2.016	2.934	9.9	19.7
5 21	13 9.57	− 8 19.0	2.096	2.936	13.1	19.9

303423 2005 AN_{5} 4 15.2 54.°67 4.°5/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.15	−20 22.0	1.259	2.087	19.5	20.0
3 22	13 57.60	−20 48.9	1.210	2.111	15.3	19.8
4 1	13 49.04	−20 52.9	1.180	2.136	10.6	19.6
4 11	13 38.65	−20 34.3	1.173	2.160	6.1	19.4
4 21	13 27.94	−19 57.4	1.190	2.186	4.8	19.4
5 1	13 18.43	−19 9.8	1.232	2.211	8.3	19.7
5 11	13 11.34	−18 21.2	1.297	2.236	12.5	20.0
5 21	13 7.25	−17 39.3	1.383	2.262	16.3	20.3

378279 2007 EH_{86} 4 15.2 289.°70 3.°0/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.53	−15 33.8	1.006	1.877	20.1	20.1
3 22	13 51.18	−12 39.5	0.931	1.867	14.9	19.7
4 1	13 45.57	− 9 0.9	0.878	1.858	8.7	19.4
4 11	13 37.72	− 4 53.5	0.849	1.849	3.2	19.0
4 21	13 29.13	− 0 42.6	0.847	1.840	7.0	19.2
5 1	13 21.47	+ 3 3.9	0.869	1.831	13.7	19.5
5 11	13 16.18	+ 6 5.4	0.914	1.823	19.6	19.8
5 21	13 14.03	+ 8 14.0	0.974	1.814	24.5	20.1

101866 1999 LM_{15} 4 15.2 62.°40 2.°4/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.29	−26 4.8	0.986	1.822	23.1	18.5
3 22	13 52.40	−23 48.8	0.923	1.832	18.1	18.2
4 1	13 46.15	−20 40.9	0.878	1.842	11.9	17.9
4 11	13 37.83	−16 50.9	0.856	1.852	5.3	17.5
4 21	13 29.11	−12 40.2	0.860	1.862	3.5	17.5
5 1	13 21.71	− 8 36.9	0.890	1.873	9.9	17.9
5 11	13 16.91	− 5 5.7	0.944	1.883	16.0	18.2
5 21	13 15.26	− 2 19.9	1.018	1.894	21.0	18.6

356693 2011 UA_{128} 4 15.2 248.°74 2.°3/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.64	−20 19.1	2.579	3.376	11.5	21.4
3 22	13 50.25	−19 59.8	2.480	3.366	9.0	21.2
4 1	13 44.26	−19 26.1	2.404	3.355	6.2	21.0
4 11	13 37.23	−18 39.5	2.355	3.344	3.4	20.8
4 21	13 29.82	−17 43.0	2.335	3.332	2.6	20.7
5 1	13 22.77	−16 40.9	2.345	3.321	5.1	20.9
5 11	13 16.78	−15 38.8	2.381	3.309	8.2	21.1
5 21	13 12.33	−14 41.4	2.443	3.297	11.0	21.2

440919 2006 WG_{59} 4 15.2 98.°82 3.°0/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.73	−21 50.1	2.484	3.274	12.1	21.1
3 22	13 50.99	−21 41.5	2.406	3.285	9.6	20.9
4 1	13 44.65	−21 18.1	2.352	3.297	6.7	20.8
4 11	13 37.32	−20 41.2	2.324	3.308	4.0	20.6
4 21	13 29.74	−19 53.6	2.325	3.319	3.1	20.5
5 1	13 22.65	−18 59.7	2.355	3.330	5.2	20.7
5 11	13 16.73	−18 4.8	2.412	3.341	8.0	20.9
5 21	13 12.43	−17 13.7	2.493	3.351	10.7	21.1

100622 1997 TK_{26} 4 15.2 178.°72 0.°9/16.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.93	−16 22.1	2.507	3.315	11.5	21.5
3 22	13 52.56	−15 39.9	2.420	3.318	8.7	21.3
4 1	13 45.59	−14 44.5	2.357	3.320	5.5	21.1
4 11	13 37.61	−13 38.8	2.324	3.320	2.1	20.9
4 21	13 29.34	−12 27.1	2.320	3.320	2.0	20.9
5 1	13 21.53	−11 14.8	2.346	3.320	5.4	21.1
5 11	13 14.88	−10 7.4	2.401	3.318	8.6	21.3
5 21	13 9.85	− 9 9.4	2.481	3.316	11.5	21.5

506260 2016 QH_5 4 15.2 165.°56 3.°2/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.38	−22 43.6	2.740	3.519	11.4	21.8
3 22	13 51.41	−22 47.1	2.651	3.522	9.1	21.7
4 1	13 44.91	−22 36.9	2.586	3.524	6.5	21.5
4 11	13 37.41	−22 13.7	2.548	3.527	4.1	21.3
4 21	13 29.60	−21 39.3	2.538	3.529	3.3	21.3
5 1	13 22.19	−20 57.3	2.558	3.530	5.0	21.4
5 11	13 15.84	−20 12.1	2.605	3.532	7.6	21.6
5 21	13 11.00	−19 28.4	2.678	3.533	10.1	21.7

458809 2011 SX_{232} 4 15.2 149.°06 1.°3/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.94	−16 2.5	1.726	2.551	15.2	22.3
3 22	13 55.41	−15 36.4	1.652	2.559	11.5	22.0
4 1	13 47.56	−14 53.6	1.601	2.566	7.3	21.8
4 11	13 38.23	−13 57.3	1.576	2.573	2.9	21.5
4 21	13 28.50	−12 52.9	1.579	2.580	2.6	21.5
5 1	13 19.51	−11 47.5	1.609	2.585	7.0	21.8
5 11	13 12.24	−10 48.6	1.665	2.590	11.2	22.1
5 21	13 7.28	−10 1.6	1.744	2.595	14.8	22.3

434821 2006 RB_{99} 4 15.2 184.°36 0.°4/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.94	−10 22.4	3.033	3.858	9.3	22.6
3 22	13 50.11	− 9 48.5	2.947	3.858	6.9	22.4
4 1	13 44.02	− 9 7.4	2.888	3.858	4.1	22.2
4 11	13 37.13	− 8 22.2	2.857	3.857	1.2	22.0
4 21	13 30.01	− 7 35.9	2.857	3.855	2.0	22.0
5 1	13 23.24	− 6 52.2	2.887	3.853	4.9	22.2
5 11	13 17.35	− 6 14.5	2.945	3.851	7.6	22.4
5 21	13 12.72	− 5 45.2	3.028	3.848	10.0	22.6

503248 2015 KN_9 4 15.2 109.°51 5.°8/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.53	+ 8 17.0	2.459	3.309	10.3	21.6
3 22	13 50.68	+ 9 20.8	2.407	3.320	8.1	21.5
4 1	13 44.38	+10 19.9	2.381	3.331	6.3	21.4
4 11	13 37.23	+11 8.7	2.382	3.341	5.9	21.4
4 21	13 29.91	+11 42.8	2.410	3.351	7.1	21.5
5 1	13 23.11	+11 59.2	2.465	3.361	9.2	21.6
5 11	13 17.43	+11 57.2	2.544	3.371	11.4	21.8
5 21	13 13.27	+11 37.8	2.643	3.380	13.3	21.9

399151 2014 EQ_{50} 4 15.2 305.°17 1.°7/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.76	−16 56.2	2.218	3.037	12.5	20.1
3 22	13 50.53	−16 41.9	2.128	3.030	9.6	19.9
4 1	13 44.52	−16 14.2	2.061	3.023	6.3	19.7
4 11	13 37.33	−15 34.9	2.021	3.016	2.8	19.4
4 21	13 29.73	−14 47.6	2.009	3.009	2.3	19.4
5 1	13 22.57	−13 57.0	2.025	3.002	5.7	19.6
5 11	13 16.60	−13 8.8	2.067	2.995	9.2	19.8
5 21	13 12.37	−12 27.4	2.133	2.989	12.3	20.0

73127 2002 GD_{68} 4 15.2 336.°21 6.°1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 51.17	− 0 26.1	1.489	2.368	14.2	18.4
3 22	13 48.46	+ 1 29.3	1.419	2.357	10.6	18.2
4 1	13 43.50	+ 3 32.3	1.373	2.346	7.3	18.0
4 11	13 37.06	+ 5 31.5	1.352	2.336	6.2	17.9
4 21	13 30.12	+ 7 15.5	1.357	2.326	8.6	18.0
5 1	13 23.80	+ 8 34.9	1.386	2.317	12.3	18.2
5 11	13 19.06	+ 9 24.4	1.436	2.310	16.0	18.4
5 21	13 16.51	+ 9 43.3	1.504	2.303	19.2	18.6

181298 Ladányi 4 15.2 153.°70 5.°9/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.76	+ 8 7.1	2.541	3.392	10.0	20.6
3 22	13 50.13	+ 9 27.4	2.484	3.397	7.9	20.5
4 1	13 44.07	+10 43.9	2.454	3.402	6.2	20.4
4 11	13 37.16	+11 50.5	2.451	3.407	6.0	20.4
4 21	13 30.04	+12 42.3	2.476	3.412	7.3	20.5
5 1	13 23.38	+13 15.7	2.528	3.416	9.3	20.6
5 11	13 17.79	+13 29.6	2.603	3.420	11.4	20.8
5 21	13 13.65	+13 24.6	2.699	3.423	13.4	20.9

426665 2013 TF_7 4 15.2 124.°75 2.°8/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.44	− 2 48.2	2.115	2.961	11.9	21.1
3 22	13 53.79	− 2 16.4	2.050	2.972	8.8	20.9
4 1	13 46.36	− 1 41.7	2.010	2.982	5.4	20.7
4 11	13 37.85	− 1 8.4	1.998	2.992	2.9	20.6
4 21	13 29.09	− 0 41.0	2.014	3.002	4.3	20.7
5 1	13 20.94	− 0 23.5	2.059	3.011	7.6	20.9
5 11	13 14.15	− 0 18.5	2.129	3.020	10.8	21.1
5 21	13 9.19	− 0 26.8	2.221	3.029	13.5	21.3

42052 2000 YH_{108} 4 15.2 104.°51 1.°1/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.64	−14 59.5	2.016	2.840	13.4	19.8
3 22	13 53.36	−14 43.3	1.947	2.853	10.1	19.6
4 1	13 46.17	−14 14.3	1.901	2.866	6.4	19.4
4 11	13 37.81	−13 35.1	1.882	2.879	2.5	19.1
4 21	13 29.16	−12 50.0	1.891	2.892	2.3	19.1
5 1	13 21.14	−12 4.2	1.929	2.905	6.1	19.4
5 11	13 14.57	−11 23.0	1.993	2.917	9.7	19.7
5 21	13 9.95	−10 50.7	2.080	2.929	12.8	19.9

2290 Helffrich 4 15.2 113.°90 4.°2/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.14	− 0 41.4	2.028	2.881	12.1	17.1
3 22	13 52.80	+ 0 38.6	1.976	2.900	8.9	16.9
4 1	13 45.73	+ 2 0.8	1.950	2.919	5.8	16.7
4 11	13 37.65	+ 3 18.2	1.951	2.938	4.2	16.7
4 21	13 29.41	+ 4 24.3	1.982	2.956	5.9	16.8
5 1	13 21.86	+ 5 14.0	2.040	2.973	8.8	17.0
5 11	13 15.70	+ 5 44.6	2.122	2.989	11.8	17.2
5 21	13 11.37	+ 5 55.8	2.225	3.006	14.3	17.4

206617 2003 WX_{110} 4 15.2 185.°14 3.°0/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.37	−21 9.3	2.295	3.090	12.9	20.6
3 22	13 52.41	−21 4.2	2.207	3.090	10.1	20.4
4 1	13 45.63	−20 43.5	2.142	3.090	7.1	20.2
4 11	13 37.67	−20 8.2	2.104	3.089	4.1	20.0
4 21	13 29.31	−19 21.2	2.093	3.088	3.2	20.0
5 1	13 21.44	−18 27.0	2.112	3.087	5.7	20.1
5 11	13 14.82	−17 31.6	2.157	3.086	8.8	20.3
5 21	13 9.99	−16 40.1	2.227	3.084	11.8	20.5

180746 2004 LA_{11} 4 15.2 273.°80 1.°0/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.32	− 9 12.1	2.357	3.197	11.1	20.6
3 22	13 50.09	− 8 30.9	2.262	3.182	8.2	20.4
4 1	13 44.21	− 7 40.8	2.193	3.166	4.9	20.1
4 11	13 37.25	− 6 45.6	2.151	3.151	1.5	19.9
4 21	13 29.89	− 5 49.7	2.138	3.135	2.8	19.9
5 1	13 22.88	− 4 58.3	2.154	3.120	6.4	20.1
5 11	13 16.96	− 4 16.0	2.196	3.104	9.7	20.3
5 21	13 12.61	− 3 45.9	2.262	3.088	12.7	20.5

153823 2001 WU_{37} 4 15.2 127.°58 0.°1/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.17	−12 23.0	1.914	2.748	13.5	21.3
3 22	13 53.12	−11 50.3	1.842	2.756	10.1	21.1
4 1	13 46.08	−11 5.4	1.794	2.764	6.1	20.9
4 11	13 37.80	−10 12.3	1.772	2.772	1.8	20.6
4 21	13 29.18	− 9 16.1	1.779	2.779	2.5	20.6
5 1	13 21.21	− 8 22.8	1.814	2.786	6.7	20.9
5 11	13 14.72	− 7 38.2	1.874	2.793	10.5	21.2
5 21	13 10.22	− 7 5.8	1.957	2.799	13.8	21.4

257327 2009 HE_{101} 4 15.2 292.°59 2.°0/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.60	− 6 15.3	1.499	2.356	15.4	20.5
3 22	13 55.61	− 5 59.9	1.418	2.345	11.5	20.2
4 1	13 47.95	− 5 36.7	1.359	2.335	7.0	19.9
4 11	13 38.44	− 5 10.6	1.325	2.324	2.5	19.6
4 21	13 28.23	− 4 46.8	1.317	2.314	4.2	19.7
5 1	13 18.64	− 4 31.1	1.335	2.304	9.1	20.0
5 11	13 10.87	− 4 28.3	1.377	2.294	13.7	20.2
5 21	13 5.67	− 4 40.7	1.439	2.284	17.7	20.4

500896 2013 LG_{21} 4 15.2 265.°39 3.°6/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.65	− 2 54.5	1.643	2.500	14.3	21.7
3 22	13 55.48	− 2 16.2	1.557	2.484	10.7	21.4
4 1	13 47.81	− 1 32.3	1.493	2.467	6.7	21.1
4 11	13 38.41	− 0 48.8	1.455	2.450	3.6	20.9
4 21	13 28.31	− 0 12.2	1.445	2.433	5.5	21.0
5 1	13 18.73	+ 0 11.5	1.460	2.416	9.8	21.2
5 11	13 10.80	+ 0 17.9	1.499	2.398	14.0	21.4
5 21	13 5.25	+ 0 5.7	1.559	2.380	17.7	21.6

964 Subamara 4 15.2 159.°88 0.°4/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.54	− 9 37.8	2.556	3.385	10.7	16.1
3 22	13 52.24	− 9 24.1	2.476	3.389	7.9	15.9
4 1	13 45.40	− 9 3.5	2.422	3.393	4.8	15.7
4 11	13 37.59	− 8 38.8	2.397	3.396	1.4	15.4
4 21	13 29.51	− 8 12.9	2.400	3.400	2.2	15.5
5 1	13 21.86	− 7 49.5	2.434	3.402	5.5	15.7
5 11	13 15.30	− 7 31.7	2.494	3.405	8.6	15.9
5 21	13 10.28	− 7 21.9	2.579	3.407	11.3	16.1

433998 2000 SS_{91} 4 15.2 219.°88 0.°0/15.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.14	−13 20.3	3.027	3.844	9.5	22.1
3 22	13 49.60	−12 30.2	2.928	3.834	7.1	21.9
4 1	13 43.77	−11 30.3	2.855	3.823	4.3	21.7
4 11	13 37.11	−10 23.3	2.812	3.812	1.3	21.4
4 21	13 30.18	− 9 13.2	2.800	3.800	1.8	21.5
5 1	13 23.56	− 8 4.3	2.818	3.787	4.8	21.7
5 11	13 17.80	− 7 1.1	2.865	3.774	7.7	21.8
5 21	13 13.31	− 6 7.0	2.937	3.761	10.2	22.0

506652 2006 SO_{103} 4 15.2 169.°48 0.°8/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.93	− 9 26.5	2.726	3.558	10.0	22.7
3 22	13 50.23	− 8 47.2	2.646	3.561	7.4	22.5
4 1	13 44.15	− 8 0.6	2.592	3.564	4.4	22.3
4 11	13 37.23	− 7 10.1	2.567	3.566	1.3	22.1
4 21	13 30.06	− 6 19.5	2.571	3.568	2.4	22.2
5 1	13 23.29	− 5 32.9	2.605	3.570	5.5	22.4
5 11	13 17.51	− 4 54.1	2.666	3.571	8.3	22.6
5 21	13 13.11	− 4 25.4	2.752	3.572	10.9	22.7

221215 2005 UA_{88} 4 15.2 263.°68 0.°3/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.16	−11 58.2	1.848	2.688	13.7	21.3
3 22	13 52.67	−11 19.7	1.755	2.673	10.3	21.0
4 1	13 46.01	−10 27.5	1.686	2.658	6.3	20.7
4 11	13 37.87	− 9 25.5	1.643	2.643	1.8	20.4
4 21	13 29.15	− 8 19.4	1.627	2.627	2.8	20.5
5 1	13 20.89	− 7 16.0	1.640	2.611	7.4	20.7
5 11	13 14.06	− 6 22.1	1.677	2.595	11.6	20.9
5 21	13 9.32	− 5 42.3	1.736	2.579	15.2	21.1

84709 2002 VW_{120} 4 15.2 220.°72 3.°0/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 49.60	−28 42.2	4.785	5.516	7.5	19.7
3 22	13 45.94	−28 41.0	4.684	5.513	6.2	19.6
4 1	13 41.44	−28 29.9	4.607	5.510	4.9	19.5
4 11	13 36.41	−28 9.2	4.557	5.508	3.6	19.4
4 21	13 31.21	−27 39.9	4.535	5.504	3.0	19.4
5 1	13 26.22	−27 4.0	4.542	5.501	3.5	19.4
5 11	13 21.79	−26 23.6	4.579	5.498	4.8	19.5
5 21	13 18.19	−25 41.6	4.641	5.495	6.2	19.6

50889 2000 GO_{40} 4 15.2 190.°13 0.°1/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.17	−12 14.5	2.329	3.158	11.6	19.7
3 22	13 51.42	−11 46.2	2.245	3.157	8.7	19.5
4 1	13 45.00	−11 7.7	2.187	3.156	5.3	19.3
4 11	13 37.52	−10 22.2	2.156	3.155	1.6	19.1
4 21	13 29.71	− 9 33.7	2.153	3.154	2.2	19.1
5 1	13 22.35	− 8 46.8	2.180	3.152	5.8	19.3
5 11	13 16.15	− 8 6.4	2.234	3.150	9.2	19.6
5 21	13 11.61	− 7 35.6	2.311	3.148	12.1	19.7

113468 2002 SP_{55} 4 15.2 265.°75 2.°7/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.34	− 4 37.7	1.692	2.545	14.1	19.8
3 22	13 55.18	− 4 8.5	1.606	2.532	10.5	19.5
4 1	13 47.61	− 3 32.9	1.543	2.518	6.4	19.2
4 11	13 38.37	− 2 55.9	1.507	2.504	2.9	19.0
4 21	13 28.50	− 2 23.4	1.497	2.490	4.7	19.1
5 1	13 19.16	− 2 1.0	1.515	2.476	9.0	19.3
5 11	13 11.42	− 1 53.0	1.556	2.461	13.1	19.5
5 21	13 6.00	− 2 1.3	1.618	2.447	16.8	19.7

503144 2015 GD_{21} 4 15.2 101.°92 0.°7/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.02	−10 14.4	2.038	2.879	12.5	21.6
3 22	13 51.48	− 9 39.2	1.962	2.881	9.3	21.4
4 1	13 45.10	− 8 54.1	1.910	2.883	5.6	21.2
4 11	13 37.56	− 8 3.1	1.885	2.885	1.6	20.9
4 21	13 29.68	− 7 11.2	1.889	2.888	2.8	21.0
5 1	13 22.34	− 6 23.9	1.920	2.890	6.7	21.2
5 11	13 16.31	− 5 45.9	1.977	2.892	10.3	21.4
5 21	13 12.12	− 5 20.5	2.057	2.894	13.4	21.7

24608 Alexveselkov 4 15.2 240.°83 1.°3/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.54	− 9 5.6	1.924	2.764	13.2	19.2
3 22	13 54.37	− 8 22.9	1.830	2.749	9.8	18.9
4 1	13 47.03	− 7 29.1	1.759	2.733	5.9	18.7
4 11	13 38.19	− 6 28.7	1.716	2.716	1.9	18.4
4 21	13 28.77	− 5 27.4	1.701	2.698	3.4	18.4
5 1	13 19.79	− 4 31.7	1.715	2.680	7.7	18.7
5 11	13 12.21	− 3 47.4	1.754	2.661	11.8	18.9
5 21	13 6.69	− 3 18.4	1.815	2.641	15.3	19.0

190031 2004 RW_{17} 4 15.2 301.°51 1.°0/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.99	−10 9.1	1.673	2.524	14.3	20.3
3 22	13 51.96	− 9 30.4	1.588	2.512	10.7	20.1
4 1	13 45.64	− 8 38.8	1.526	2.501	6.4	19.8
4 11	13 37.79	− 7 39.2	1.489	2.489	1.9	19.5
4 21	13 29.35	− 6 37.8	1.479	2.477	3.4	19.5
5 1	13 21.46	− 5 41.9	1.495	2.466	8.0	19.8
5 11	13 15.11	− 4 58.0	1.536	2.455	12.4	20.0
5 21	13 10.96	− 4 30.2	1.597	2.444	16.1	20.2

338706 2003 UU_{51} 4 15.2 282.°06 8.°1/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.09	−31 40.0	2.038	2.780	16.0	20.5
3 22	13 55.95	−32 36.5	1.935	2.764	13.7	20.3
4 1	13 48.24	−33 12.6	1.852	2.747	11.3	20.1
4 11	13 38.63	−33 24.6	1.792	2.730	9.1	20.0
4 21	13 28.12	−33 11.1	1.757	2.714	8.1	19.9
5 1	13 17.95	−32 34.2	1.747	2.697	8.9	19.9
5 11	13 9.31	−31 40.2	1.763	2.680	11.2	20.0
5 21	13 3.06	−30 37.4	1.801	2.663	13.9	20.1

388851 2008 GC_{40} 4 15.2 4.°66 0.°2/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.12	−10 57.3	2.078	2.914	12.5	20.6
3 22	13 52.32	−10 56.4	1.999	2.914	9.4	20.3
4 1	13 45.64	−10 47.0	1.944	2.915	5.7	20.1
4 11	13 37.74	−10 31.3	1.916	2.915	1.8	19.9
4 21	13 29.46	−10 12.8	1.916	2.916	2.3	19.9
5 1	13 21.69	− 9 55.1	1.944	2.918	6.2	20.1
5 11	13 15.22	− 9 42.5	1.998	2.919	9.8	20.4
5 21	13 10.60	− 9 37.6	2.074	2.921	12.9	20.6

212312 2005 QY_{26} 4 15.2 318.°19 6.°0/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 51.78	+ 2 22.7	1.884	2.753	12.1	19.4
3 22	13 48.57	+ 4 6.8	1.804	2.734	9.2	19.2
4 1	13 43.48	+ 5 54.6	1.750	2.716	6.7	19.0
4 11	13 37.12	+ 7 37.3	1.722	2.698	6.1	18.9
4 21	13 30.30	+ 9 6.1	1.721	2.680	8.0	19.0
5 1	13 23.93	+10 13.8	1.746	2.663	11.1	19.1
5 11	13 18.82	+10 56.3	1.793	2.647	14.2	19.3
5 21	13 15.55	+11 12.8	1.859	2.631	17.0	19.5

162521 2000 QA_{121} 4 15.2 113.°87 4.°6/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.15	−22 40.0	1.563	2.370	17.3	19.9
3 22	13 55.98	−22 51.0	1.489	2.377	13.8	19.6
4 1	13 48.15	−22 39.7	1.436	2.383	9.9	19.4
4 11	13 38.54	−22 6.2	1.407	2.390	6.1	19.2
4 21	13 28.39	−21 13.8	1.403	2.396	4.8	19.1
5 1	13 19.04	−20 9.5	1.425	2.402	7.6	19.3
5 11	13 11.63	−19 2.3	1.472	2.408	11.6	19.6
5 21	13 6.86	−18 0.7	1.541	2.414	15.3	19.8

136685 1995 SJ_{35} 4 15.2 87.°36 0.°6/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.57	−11 53.4	2.294	3.119	11.9	20.8
3 22	13 53.89	−11 59.5	2.222	3.130	8.9	20.6
4 1	13 46.47	−11 57.2	2.175	3.142	5.5	20.4
4 11	13 37.97	−11 48.6	2.155	3.154	1.9	20.2
4 21	13 29.19	−11 36.2	2.165	3.166	2.1	20.2
5 1	13 20.95	−11 23.3	2.204	3.177	5.6	20.5
5 11	13 13.98	−11 13.6	2.270	3.189	8.9	20.7
5 21	13 8.77	−11 9.6	2.359	3.200	11.8	20.9

379924 2012 KX_{27} 4 15.2 303.°68 4.°1/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.26	− 2 10.5	1.582	2.447	14.3	20.3
3 22	13 53.03	− 1 23.1	1.498	2.429	10.7	20.1
4 1	13 46.38	− 0 30.1	1.437	2.411	6.8	19.8
4 11	13 38.04	+ 0 21.8	1.401	2.394	4.1	19.6
4 21	13 29.04	+ 1 5.2	1.391	2.377	6.1	19.7
5 1	13 20.57	+ 1 33.7	1.406	2.360	10.2	19.9
5 11	13 13.71	+ 1 42.7	1.445	2.344	14.4	20.1
5 21	13 9.19	+ 1 31.0	1.502	2.328	18.0	20.3

497324 2005 TH_{130} 4 15.2 196.°22 0.°3/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.87	−11 54.8	2.195	3.024	12.2	23.0
3 22	13 52.79	−11 14.4	2.109	3.022	9.1	22.8
4 1	13 45.90	−10 22.8	2.048	3.019	5.5	22.6
4 11	13 37.83	− 9 23.5	2.015	3.015	1.6	22.3
4 21	13 29.39	− 8 21.5	2.011	3.011	2.5	22.4
5 1	13 21.44	− 7 22.5	2.037	3.006	6.4	22.6
5 11	13 14.74	− 6 31.6	2.088	3.001	9.9	22.8
5 21	13 9.83	− 5 52.8	2.164	2.995	13.0	23.0

477608 2010 KS_{103} 4 15.2 281.°84 1.°3/13.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.49	− 9 18.7	2.370	3.211	11.0	21.7
3 22	13 49.53	− 8 20.5	2.270	3.190	8.1	21.5
4 1	13 43.94	− 7 11.9	2.195	3.169	4.9	21.2
4 11	13 37.26	− 5 57.4	2.149	3.148	1.6	21.0
4 21	13 30.15	− 4 42.1	2.132	3.127	3.1	21.0
5 1	13 23.38	− 3 32.0	2.143	3.106	6.6	21.2
5 11	13 17.64	− 2 32.3	2.181	3.084	10.0	21.4
5 21	13 13.46	− 1 46.7	2.242	3.063	13.0	21.5

10234 Sixtygarden 4 15.2 239.°57 4.°6/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.02	+ 2 13.0	2.266	3.122	10.9	17.6
3 22	13 50.58	+ 3 18.6	2.193	3.116	8.2	17.4
4 1	13 44.51	+ 4 25.0	2.145	3.111	5.7	17.3
4 11	13 37.40	+ 5 26.1	2.125	3.105	4.6	17.2
4 21	13 29.98	+ 6 16.5	2.133	3.100	6.1	17.3
5 1	13 23.02	+ 6 51.6	2.168	3.094	8.8	17.4
5 11	13 17.19	+ 7 8.9	2.227	3.088	11.6	17.6
5 21	13 12.99	+ 7 8.1	2.308	3.082	14.0	17.8

10271 1980 TV_2 4 15.2 157.°56 1.°2/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.67	−14 43.6	1.975	2.791	13.9	18.8
3 22	13 57.22	−14 33.2	1.898	2.800	10.5	18.6
4 1	13 48.62	−14 9.9	1.845	2.809	6.7	18.4
4 11	13 38.66	−13 35.9	1.819	2.816	2.6	18.1
4 21	13 28.30	−12 55.1	1.823	2.823	2.4	18.1
5 1	13 18.61	−12 12.7	1.855	2.829	6.5	18.4
5 11	13 10.49	−11 34.4	1.914	2.834	10.3	18.6
5 21	13 4.53	−11 4.5	1.996	2.838	13.6	18.8

303419 2005 AV_1 4 15.2 67.°41 4.°2/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.45	− 3 20.6	1.342	2.209	16.2	20.2
3 22	13 55.19	− 2 14.7	1.300	2.232	11.9	20.0
4 1	13 47.44	− 1 3.7	1.280	2.255	7.3	19.8
4 11	13 38.27	+ 0 3.7	1.285	2.279	4.2	19.7
4 21	13 28.94	+ 0 59.1	1.315	2.302	6.3	19.9
5 1	13 20.70	+ 1 36.0	1.371	2.325	10.4	20.2
5 11	13 14.51	+ 1 51.3	1.449	2.349	14.3	20.5
5 21	13 10.85	+ 1 45.2	1.546	2.372	17.6	20.7

202853 2008 TW_{94} 4 15.2 237.°88 1.°7/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.33	−15 15.0	2.318	3.128	12.3	21.0
3 22	13 55.46	−15 26.2	2.217	3.115	9.4	20.8
4 1	13 47.61	−15 27.0	2.141	3.101	6.2	20.6
4 11	13 38.39	−15 18.3	2.092	3.087	2.7	20.3
4 21	13 28.61	−15 2.0	2.073	3.073	2.4	20.3
5 1	13 19.18	−14 41.6	2.083	3.058	5.8	20.5
5 11	13 10.97	−14 21.4	2.121	3.042	9.3	20.7
5 21	13 4.59	−14 5.3	2.183	3.026	12.5	20.8

497814 2006 TN_{91} 4 15.2 168.°84 2.°0/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.28	− 2 59.3	2.910	3.745	9.4	21.8
3 22	13 52.60	− 2 41.6	2.832	3.749	6.9	21.6
4 1	13 45.57	− 2 21.8	2.781	3.752	4.2	21.5
4 11	13 37.71	− 2 2.8	2.760	3.755	2.1	21.3
4 21	13 29.61	− 1 47.4	2.769	3.758	3.2	21.4
5 1	13 21.92	− 1 38.3	2.807	3.760	5.8	21.6
5 11	13 15.18	− 1 37.4	2.874	3.761	8.4	21.7
5 21	13 9.82	− 1 45.7	2.964	3.762	10.7	21.9

259836 2004 CA_{33} 4 15.2 292.°68 2.°7/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.15	−17 13.4	1.575	2.404	16.2	20.6
3 22	13 54.68	−17 22.0	1.482	2.389	12.6	20.3
4 1	13 47.52	−17 13.6	1.411	2.373	8.5	20.0
4 11	13 38.44	−16 49.0	1.364	2.358	4.1	19.7
4 21	13 28.53	−16 11.3	1.343	2.342	3.4	19.6
5 1	13 19.11	−15 26.3	1.348	2.327	7.7	19.8
5 11	13 11.42	−14 41.7	1.377	2.312	12.3	20.1
5 21	13 6.29	−14 4.6	1.427	2.297	16.4	20.3

174789 2003 WN_{121} 4 15.2 108.°07 3.°4/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.18	−19 48.7	1.680	2.493	16.1	20.1
3 22	13 55.76	−19 54.2	1.608	2.503	12.6	19.9
4 1	13 47.91	−19 41.2	1.558	2.512	8.6	19.7
4 11	13 38.47	−19 10.7	1.533	2.522	4.7	19.4
4 21	13 28.59	−18 26.1	1.534	2.531	3.7	19.4
5 1	13 19.47	−17 33.8	1.562	2.540	7.0	19.6
5 11	13 12.14	−16 41.4	1.616	2.549	11.0	19.9
5 21	13 7.24	−15 55.4	1.692	2.557	14.5	20.1

224541 2005 WQ_{123} 4 15.2 299.°40 0.°1/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 56.99	−12 31.6	1.667	2.511	14.7	20.6
3 22	13 52.71	−12 4.2	1.585	2.504	11.1	20.4
4 1	13 46.11	−11 22.8	1.525	2.497	6.8	20.1
4 11	13 37.96	−10 30.9	1.490	2.490	2.1	19.8
4 21	13 29.25	− 9 34.3	1.482	2.483	2.8	19.8
5 1	13 21.12	− 8 39.8	1.501	2.476	7.5	20.1
5 11	13 14.59	− 7 54.2	1.544	2.469	11.9	20.3
5 21	13 10.31	− 7 22.3	1.609	2.463	15.7	20.5

301016 2008 QJ_{32} 4 15.2 187.°63 4.°3/18.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.57	−22 50.5	1.834	2.624	15.8	21.6
3 22	13 57.57	−22 58.6	1.746	2.624	12.6	21.4
4 1	13 49.06	−22 46.8	1.681	2.623	9.0	21.1
4 11	13 38.85	−22 14.8	1.640	2.622	5.6	20.9
4 21	13 28.03	−21 25.2	1.627	2.619	4.4	20.8
5 1	13 17.84	−20 23.6	1.642	2.616	7.1	21.0
5 11	13 9.38	−19 18.1	1.683	2.612	10.8	21.2
5 21	13 3.34	−18 16.4	1.747	2.607	14.4	21.4

344356 2001 WV_{84} 4 15.2 82.°51 1.°1/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 56.25	− 8 18.1	2.271	3.111	11.5	21.4
3 22	13 51.38	− 7 45.3	2.208	3.127	8.4	21.3
4 1	13 44.92	− 7 5.6	2.170	3.144	5.0	21.1
4 11	13 37.52	− 6 22.9	2.160	3.160	1.6	20.9
4 21	13 29.92	− 5 41.4	2.179	3.176	2.8	21.0
5 1	13 22.89	− 5 5.6	2.227	3.192	6.2	21.2
5 11	13 17.07	− 4 38.8	2.301	3.208	9.4	21.5
5 21	13 12.89	− 4 23.4	2.398	3.224	12.1	21.7

2946 Muchachos 4 15.2 125.°87 0.°3/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.59	−13 1.8	1.879	2.709	13.9	17.6
3 22	13 54.93	−12 34.3	1.811	2.723	10.4	17.4
4 1	13 47.22	−11 54.2	1.767	2.736	6.4	17.2
4 11	13 38.23	−11 5.2	1.750	2.749	2.0	17.0
4 21	13 28.95	−10 12.4	1.761	2.761	2.5	17.0
5 1	13 20.38	− 9 21.6	1.800	2.773	6.7	17.3
5 11	13 13.38	− 8 38.7	1.865	2.784	10.5	17.5
5 21	13 8.48	− 8 7.4	1.953	2.795	13.8	17.8

147329 2003 BJ_{33} 4 15.2 357.°30 8.°7/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.92	−29 34.1	1.494	2.276	19.1	19.4
3 22	13 54.80	−30 32.7	1.415	2.274	16.2	19.2
4 1	13 47.71	−31 5.6	1.355	2.272	13.0	19.0
4 11	13 38.51	−31 9.0	1.316	2.271	10.1	18.8
4 21	13 28.47	−30 42.4	1.300	2.271	8.7	18.7
5 1	13 19.13	−29 50.3	1.308	2.271	9.8	18.8
5 11	13 11.84	−28 42.2	1.338	2.272	12.7	19.0
5 21	13 7.46	−27 28.9	1.390	2.273	16.0	19.2

208683 2002 GZ_{111} 4 15.2 79.°02 2.°7/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.07	− 7 9.6	1.441	2.303	15.6	19.9
3 22	13 53.55	− 6 5.7	1.381	2.311	11.5	19.6
4 1	13 46.57	− 4 50.7	1.342	2.319	6.8	19.4
4 11	13 38.07	− 3 32.5	1.329	2.327	2.9	19.2
4 21	13 29.19	− 2 19.7	1.342	2.335	5.0	19.3
5 1	13 21.16	− 1 20.5	1.381	2.343	9.5	19.6
5 11	13 14.98	− 0 40.6	1.443	2.352	13.7	19.8
5 21	13 11.24	− 0 22.2	1.524	2.360	17.3	20.1

190405 1999 TF_{193} 4 15.2 213.°59 3.°7/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.32	−23 34.2	2.385	3.165	12.9	20.5
3 22	13 53.19	−23 33.2	2.288	3.158	10.4	20.4
4 1	13 46.19	−23 15.5	2.214	3.151	7.5	20.2
4 11	13 37.96	−22 41.7	2.166	3.144	4.8	20.0
4 21	13 29.27	−21 53.8	2.146	3.136	3.8	19.9
5 1	13 21.01	−20 56.2	2.155	3.128	5.8	20.0
5 11	13 13.97	−19 54.8	2.192	3.120	8.7	20.2
5 21	13 8.73	−18 55.6	2.253	3.110	11.6	20.3

377359 2004 RQ_{76} 4 15.2 243.°59 0.°2/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.03	−10 51.7	2.060	2.894	12.7	20.9
3 22	13 53.87	−10 34.9	1.968	2.883	9.5	20.7
4 1	13 46.68	−10 8.2	1.900	2.871	5.8	20.4
4 11	13 38.12	− 9 34.6	1.860	2.859	1.7	20.1
4 21	13 29.05	− 8 58.0	1.847	2.847	2.5	20.2
5 1	13 20.42	− 8 23.2	1.863	2.835	6.7	20.4
5 11	13 13.10	− 7 55.2	1.906	2.822	10.5	20.6
5 21	13 7.72	− 7 37.5	1.971	2.809	13.8	20.8

418936 2009 DU_{59} 4 15.2 292.°14 5.°0/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 57.01	− 1 50.5	1.441	2.311	15.1	20.9
3 22	13 52.98	− 0 35.9	1.366	2.300	11.3	20.6
4 1	13 46.40	+ 0 45.9	1.313	2.288	7.3	20.3
4 11	13 38.08	+ 2 6.1	1.285	2.276	5.0	20.2
4 21	13 29.13	+ 3 15.1	1.283	2.264	7.2	20.2
5 1	13 20.83	+ 4 4.5	1.305	2.253	11.4	20.4
5 11	13 14.30	+ 4 29.3	1.349	2.242	15.6	20.7
5 21	13 10.25	+ 4 28.4	1.411	2.230	19.3	20.9

458950 2011 UH_{377} 4 15.2 158.°30 0.°9/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.97	−14 42.4	1.913	2.734	14.1	22.6
3 22	13 56.02	−14 19.4	1.837	2.742	10.6	22.4
4 1	13 47.93	−13 42.4	1.784	2.750	6.7	22.2
4 11	13 38.48	−12 54.5	1.758	2.756	2.4	21.9
4 21	13 28.64	−12 0.2	1.761	2.762	2.4	21.9
5 1	13 19.47	−11 5.6	1.793	2.767	6.6	22.2
5 11	13 11.87	−10 16.9	1.850	2.771	10.5	22.4
5 21	13 6.42	− 9 38.8	1.931	2.774	13.9	22.6

519371 2011 OT_{60} 4 15.2 186.°74 4.°4/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 55.28	+ 3 11.2	2.563	3.413	10.0	21.9
3 22	13 50.58	+ 4 12.2	2.493	3.413	7.5	21.7
4 1	13 44.43	+ 5 12.8	2.449	3.412	5.3	21.5
4 11	13 37.39	+ 6 7.7	2.434	3.411	4.4	21.5
4 21	13 30.11	+ 6 52.4	2.447	3.410	5.7	21.6
5 1	13 23.25	+ 7 23.1	2.488	3.408	8.1	21.7
5 11	13 17.42	+ 7 37.9	2.554	3.406	10.5	21.9
5 21	13 13.05	+ 7 36.4	2.642	3.404	12.7	22.0

163427 2002 RZ_{61} 4 15.2 251.°46 0.°6/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.63	− 9 1.4	2.299	3.132	11.6	19.8
3 22	13 53.38	− 8 48.3	2.204	3.119	8.6	19.6
4 1	13 46.31	− 8 28.0	2.134	3.105	5.2	19.3
4 11	13 38.01	− 8 3.1	2.091	3.091	1.5	19.1
4 21	13 29.23	− 7 37.1	2.078	3.076	2.5	19.1
5 1	13 20.83	− 7 13.9	2.093	3.062	6.3	19.3
5 11	13 13.59	− 6 57.3	2.135	3.047	9.8	19.5
5 21	13 8.08	− 6 50.0	2.201	3.031	12.9	19.7

522970 2016 PD_{116} 4 15.2 260.°82 0.°9/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 54.84	− 9 19.8	2.309	3.149	11.3	22.0
3 22	13 50.50	− 8 42.4	2.223	3.142	8.4	21.8
4 1	13 44.51	− 7 56.3	2.161	3.134	5.0	21.6
4 11	13 37.45	− 7 5.4	2.127	3.127	1.5	21.3
4 21	13 30.03	− 6 14.0	2.122	3.119	2.7	21.4
5 1	13 23.02	− 5 27.1	2.145	3.111	6.3	21.6
5 11	13 17.13	− 4 49.1	2.194	3.104	9.7	21.8
5 21	13 12.85	− 4 22.9	2.267	3.096	12.6	22.0

49682 1999 TT_{29} 4 15.2 99.°71 0.°2/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.79	−13 16.8	1.294	2.146	17.6	19.5
3 22	13 55.26	−12 44.3	1.225	2.148	13.3	19.3
4 1	13 47.84	−11 53.5	1.177	2.150	8.2	19.0
4 11	13 38.52	−10 49.1	1.153	2.153	2.6	18.7
4 21	13 28.60	− 9 38.8	1.154	2.155	3.3	18.7
5 1	13 19.57	− 8 32.2	1.180	2.157	8.9	19.0
5 11	13 12.65	− 7 37.9	1.229	2.159	13.9	19.3
5 21	13 8.56	− 7 1.6	1.297	2.161	18.1	19.6

386578 2009 EY_1 4 15.2 268.°42 4.°1/10.6 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.52	+ 0 13.3	2.268	3.123	10.9	20.9
3 22	13 50.28	+ 1 18.7	2.186	3.112	8.1	20.7
4 1	13 44.39	+ 2 26.8	2.130	3.100	5.4	20.5
4 11	13 37.42	+ 3 31.9	2.102	3.088	4.1	20.4
4 21	13 30.09	+ 4 28.1	2.102	3.075	5.6	20.5
5 1	13 23.17	+ 5 10.7	2.130	3.063	8.5	20.7
5 11	13 17.36	+ 5 36.3	2.181	3.051	11.4	20.8
5 21	13 13.17	+ 5 43.9	2.255	3.038	14.1	21.0

142698 2002 TO_{248} 4 15.2 277.°53 2.°5/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.99	− 5 33.5	1.664	2.517	14.3	20.6
3 22	13 55.08	− 5 2.3	1.571	2.497	10.7	20.3
4 1	13 47.68	− 4 23.0	1.501	2.476	6.5	20.0
4 11	13 38.50	− 3 40.8	1.457	2.455	2.8	19.8
4 21	13 28.57	− 3 1.7	1.440	2.434	4.6	19.8
5 1	13 19.09	− 2 31.9	1.450	2.413	9.1	20.0
5 11	13 11.19	− 2 16.5	1.483	2.391	13.5	20.2
5 21	13 5.64	− 2 18.2	1.537	2.369	17.4	20.4

457643 2009 BW_{184} 4 15.2 315.°85 5.°7/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.69	+ 0 19.0	1.330	2.203	15.9	20.8
3 22	13 54.41	+ 1 13.0	1.259	2.193	12.0	20.5
4 1	13 47.35	+ 2 10.2	1.210	2.183	8.0	20.3
4 11	13 38.39	+ 3 1.8	1.184	2.174	5.7	20.1
4 21	13 28.78	+ 3 39.3	1.183	2.165	7.8	20.2
5 1	13 19.90	+ 3 55.7	1.206	2.156	12.0	20.4
5 11	13 12.97	+ 3 47.7	1.250	2.148	16.2	20.6
5 21	13 8.74	+ 3 15.9	1.312	2.140	20.0	20.8

427985 2006 AP_{38} 4 15.2 150.°76 2.°4/17.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.68	−18 36.0	2.035	2.845	13.7	22.6
3 22	13 53.57	−18 27.4	1.954	2.849	10.7	22.4
4 1	13 46.46	−18 3.2	1.897	2.853	7.1	22.2
4 11	13 38.06	−17 25.1	1.866	2.857	3.6	22.0
4 21	13 29.26	−16 36.8	1.862	2.861	2.8	21.9
5 1	13 21.03	−15 43.6	1.887	2.864	6.1	22.1
5 11	13 14.23	−14 51.6	1.938	2.867	9.7	22.4
5 21	13 9.41	−14 6.3	2.013	2.870	12.9	22.6

471409 2011 SM_{223} 4 15.2 201.°63 0.°2/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.25	−11 8.4	2.886	3.710	9.7	22.8
3 22	13 50.49	−10 39.8	2.796	3.706	7.2	22.6
4 1	13 44.38	−10 3.4	2.732	3.702	4.4	22.4
4 11	13 37.40	− 9 21.9	2.697	3.697	1.3	22.2
4 21	13 30.15	− 8 38.6	2.692	3.692	1.9	22.2
5 1	13 23.24	− 7 57.1	2.717	3.686	5.0	22.4
5 11	13 17.25	− 7 21.1	2.770	3.680	7.9	22.6
5 21	13 12.59	− 6 53.2	2.847	3.673	10.4	22.8

204597 2005 GO_{146} 4 15.2 79.°97 0.°8/16.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.64	−14 14.4	2.057	2.885	12.9	20.9
3 22	13 51.96	−13 54.4	1.982	2.892	9.8	20.7
4 1	13 45.43	−13 22.1	1.932	2.899	6.1	20.5
4 11	13 37.74	−12 40.4	1.908	2.906	2.2	20.3
4 21	13 29.72	−11 53.5	1.912	2.912	2.2	20.3
5 1	13 22.27	−11 6.8	1.944	2.919	6.1	20.5
5 11	13 16.16	−10 25.3	2.002	2.926	9.7	20.8
5 21	13 11.90	− 9 53.3	2.083	2.933	12.8	21.0

212973 2009 BN_{146} 4 15.2 37.°83 0.°2/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.74	−12 56.9	1.266	2.123	17.6	20.9
3 22	13 53.67	−12 27.5	1.205	2.131	13.2	20.6
4 1	13 46.82	−11 40.7	1.165	2.140	8.1	20.4
4 11	13 38.20	−10 41.6	1.149	2.149	2.5	20.0
4 21	13 29.12	− 9 37.9	1.157	2.158	3.2	20.1
5 1	13 20.99	− 8 38.6	1.190	2.168	8.6	20.4
5 11	13 14.94	− 7 51.7	1.246	2.179	13.5	20.7
5 21	13 11.62	− 7 22.1	1.321	2.190	17.6	21.0

304432 2006 TC_{90} 4 15.2 238.°14 0.°5/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.70	− 9 10.9	2.388	3.221	11.2	21.0
3 22	13 52.57	− 9 1.8	2.302	3.216	8.3	20.8
4 1	13 45.75	− 8 45.9	2.240	3.211	5.0	20.6
4 11	13 37.84	− 8 25.7	2.207	3.207	1.5	20.3
4 21	13 29.56	− 8 4.5	2.203	3.202	2.3	20.4
5 1	13 21.69	− 7 45.8	2.227	3.197	5.9	20.6
5 11	13 14.95	− 7 33.0	2.279	3.191	9.2	20.8
5 21	13 9.86	− 7 28.5	2.354	3.186	12.1	21.0

333661 2008 SU_{163} 4 15.2 279.°44 2.°7/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.73	− 6 57.7	1.949	2.800	12.6	20.8
3 22	13 51.60	− 5 38.8	1.847	2.773	9.4	20.6
4 1	13 45.42	− 4 7.4	1.770	2.745	5.7	20.3
4 11	13 37.80	− 2 29.7	1.721	2.718	2.8	20.0
4 21	13 29.57	− 0 53.4	1.700	2.689	4.7	20.1
5 1	13 21.69	+ 0 33.1	1.707	2.661	8.7	20.3
5 11	13 15.07	+ 1 43.0	1.739	2.632	12.7	20.5
5 21	13 10.38	+ 2 32.2	1.792	2.602	16.1	20.6

34250 Mamichael 4 15.2 340.°72 6.°5/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.39	−21 58.8	1.267	2.091	19.6	18.9
3 22	13 56.99	−23 0.0	1.190	2.085	15.9	18.6
4 1	13 49.26	−23 40.3	1.131	2.080	11.7	18.4
4 11	13 39.07	−23 56.6	1.094	2.075	7.8	18.1
4 21	13 27.84	−23 48.6	1.080	2.070	6.6	18.0
5 1	13 17.33	−23 20.8	1.090	2.067	9.5	18.2
5 11	13 9.11	−22 42.5	1.123	2.064	13.8	18.4
5 21	13 4.15	−22 3.4	1.174	2.061	18.0	18.7

299972 2006 TP_{96} 4 15.2 113.°77 3.°8/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.76	−24 3.5	2.435	3.214	12.7	20.6
3 22	13 51.93	−24 7.3	2.352	3.220	10.2	20.5
4 1	13 45.38	−23 55.1	2.292	3.227	7.4	20.3
4 11	13 37.74	−23 27.2	2.257	3.233	4.8	20.1
4 21	13 29.76	−22 46.1	2.251	3.239	3.9	20.1
5 1	13 22.26	−21 55.8	2.273	3.245	5.6	20.2
5 11	13 15.97	−21 1.8	2.322	3.251	8.3	20.4
5 21	13 11.39	−20 9.3	2.396	3.257	10.9	20.5

117664 2005 EF_{200} 4 15.2 285.°09 0.°9/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.34	−10 49.7	2.051	2.893	12.4	19.8
3 22	13 50.39	− 9 56.9	1.959	2.879	9.2	19.6
4 1	13 44.58	− 8 51.8	1.891	2.865	5.6	19.3
4 11	13 37.53	− 7 38.8	1.851	2.850	1.7	19.0
4 21	13 30.02	− 6 23.9	1.838	2.836	3.0	19.1
5 1	13 22.95	− 5 13.7	1.854	2.822	7.0	19.3
5 11	13 17.10	− 4 14.2	1.896	2.808	10.8	19.5
5 21	13 13.05	− 3 29.5	1.960	2.794	14.1	19.7

96242 1994 AB_{17} 4 15.2 253.°39 0.°6/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.86	−13 27.6	1.817	2.652	14.1	20.4
3 22	13 53.20	−13 5.8	1.734	2.647	10.6	20.2
4 1	13 46.36	−12 30.6	1.674	2.643	6.6	19.9
4 11	13 38.08	−11 45.0	1.639	2.638	2.2	19.6
4 21	13 29.30	−10 53.7	1.633	2.634	2.5	19.6
5 1	13 21.08	−10 3.0	1.654	2.629	6.9	19.9
5 11	13 14.36	− 9 19.0	1.700	2.624	11.0	20.1
5 21	13 9.75	− 8 46.5	1.768	2.620	14.6	20.3

427241 2014 WZ_{61} 4 15.2 28.°15 4.°3/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.92	− 2 17.6	1.564	2.428	14.5	20.8
3 22	13 53.36	− 1 15.6	1.498	2.429	10.7	20.6
4 1	13 46.47	− 0 8.2	1.455	2.429	6.8	20.3
4 11	13 38.10	+ 0 56.8	1.437	2.430	4.3	20.2
4 21	13 29.31	+ 1 51.8	1.446	2.430	6.2	20.3
5 1	13 21.23	+ 2 30.1	1.481	2.431	10.1	20.5
5 11	13 14.85	+ 2 47.8	1.538	2.432	14.0	20.8
5 21	13 10.77	+ 2 44.2	1.615	2.433	17.3	21.0

376014 2010 AQ_{41} 4 15.2 89.°43 1.°1/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.88	− 8 6.6	1.904	2.748	13.2	20.8
3 22	13 53.69	− 7 44.7	1.836	2.756	9.7	20.6
4 1	13 46.51	− 7 15.1	1.791	2.765	5.8	20.3
4 11	13 38.09	− 6 41.6	1.774	2.773	1.8	20.1
4 21	13 29.35	− 6 9.0	1.784	2.782	3.1	20.2
5 1	13 21.25	− 5 42.0	1.822	2.790	7.1	20.5
5 11	13 14.61	− 5 24.6	1.885	2.798	10.8	20.7
5 21	13 9.98	− 5 19.2	1.971	2.806	14.0	20.9

166531 2002 RL_{10} 4 15.2 232.°87 0.°2/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.77	−12 32.4	2.189	3.019	12.2	20.8
3 22	13 52.05	−12 8.7	2.102	3.014	9.2	20.6
4 1	13 45.52	−11 34.1	2.039	3.008	5.6	20.4
4 11	13 37.81	−10 51.6	2.003	3.002	1.8	20.1
4 21	13 29.69	−10 5.2	1.996	2.996	2.2	20.1
5 1	13 22.02	− 9 20.0	2.017	2.990	6.1	20.4
5 11	13 15.58	− 8 40.8	2.065	2.984	9.7	20.6
5 21	13 10.90	− 8 11.4	2.136	2.977	12.8	20.8

377929 2006 GV_{21} 4 15.2 295.°89 1.°9/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.79	− 6 1.0	1.940	2.789	12.7	20.6
3 22	13 52.92	− 5 32.4	1.864	2.788	9.4	20.4
4 1	13 46.08	− 4 57.4	1.812	2.787	5.7	20.2
4 11	13 37.98	− 4 20.5	1.787	2.786	2.2	19.9
4 21	13 29.48	− 3 46.4	1.790	2.784	3.7	20.0
5 1	13 21.54	− 3 20.0	1.820	2.783	7.5	20.3
5 11	13 14.99	− 3 5.2	1.876	2.782	11.2	20.5
5 21	13 10.38	− 3 3.9	1.953	2.781	14.3	20.7

183060 2002 QX_{102} 4 15.2 161.°23 0.°6/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.05	−13 59.4	2.084	2.906	13.0	22.0
3 22	13 54.47	−13 30.4	2.006	2.913	9.8	21.8
4 1	13 46.96	−12 48.9	1.952	2.919	6.1	21.6
4 11	13 38.24	−11 57.9	1.926	2.924	2.1	21.3
4 21	13 29.17	−11 2.0	1.928	2.929	2.2	21.3
5 1	13 20.69	−10 6.8	1.959	2.933	6.2	21.6
5 11	13 13.60	− 9 18.0	2.018	2.936	9.9	21.8
5 21	13 8.45	− 8 39.6	2.099	2.939	13.1	22.0

160027 1997 UN_1 4 15.3 206.°25 2.°5/17.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.38	−18 39.3	1.829	2.640	15.0	21.5
3 22	13 55.92	−18 28.0	1.740	2.636	11.7	21.2
4 1	13 48.08	−17 59.0	1.673	2.630	7.8	21.0
4 11	13 38.64	−17 13.8	1.632	2.624	3.9	20.7
4 21	13 28.61	−16 16.1	1.619	2.618	3.0	20.6
5 1	13 19.14	−15 12.4	1.633	2.610	6.8	20.9
5 11	13 11.29	−14 10.3	1.674	2.602	10.9	21.1
5 21	13 5.73	−13 16.3	1.738	2.594	14.6	21.3

171062 2005 EV_{127} 4 15.3 123.°74 2.°8/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.97	− 6 27.0	1.632	2.487	14.5	20.5
3 22	13 53.99	− 5 20.6	1.569	2.496	10.6	20.2
4 1	13 46.78	− 4 5.0	1.530	2.505	6.4	20.0
4 11	13 38.19	− 2 47.2	1.517	2.514	2.9	19.8
4 21	13 29.28	− 1 35.1	1.531	2.523	4.8	19.9
5 1	13 21.13	− 0 36.1	1.572	2.531	9.0	20.2
5 11	13 14.67	+ 0 4.7	1.637	2.538	12.9	20.5
5 21	13 10.45	+ 0 25.4	1.723	2.546	16.2	20.7

195409 2002 GK_{38} 4 15.3 217.°46 0.°7/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.30	−12 55.6	2.009	2.837	13.2	20.0
3 22	13 54.08	−12 49.5	1.924	2.834	10.0	19.8
4 1	13 46.84	−12 32.4	1.864	2.831	6.2	19.6
4 11	13 38.24	−12 6.7	1.830	2.828	2.2	19.3
4 21	13 29.17	−11 35.9	1.824	2.825	2.3	19.3
5 1	13 20.62	−11 4.6	1.847	2.821	6.4	19.6
5 11	13 13.45	−10 37.8	1.895	2.818	10.2	19.8
5 21	13 8.27	−10 19.2	1.967	2.814	13.5	20.0

414150 2007 WK_5 4 15.3 220.°82 1.°2/14.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.27	− 8 36.3	1.898	2.737	13.4	22.4
3 22	13 55.68	− 8 4.9	1.809	2.728	10.0	22.1
4 1	13 47.88	− 7 24.0	1.745	2.718	6.0	21.9
4 11	13 38.58	− 6 37.5	1.708	2.707	1.9	21.6
4 21	13 28.72	− 5 50.7	1.699	2.696	3.3	21.6
5 1	13 19.37	− 5 9.3	1.718	2.684	7.6	21.9
5 11	13 11.50	− 4 38.6	1.763	2.672	11.7	22.1
5 21	13 5.74	− 4 21.8	1.830	2.658	15.2	22.3

309665 2008 EP_{23} 4 15.3 88.°21 2.°9/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.26	−19 7.8	2.429	3.222	12.3	20.6
3 22	13 55.19	−19 36.7	2.353	3.236	9.6	20.4
4 1	13 47.34	−19 53.6	2.302	3.250	6.6	20.3
4 11	13 38.37	−19 58.7	2.279	3.264	3.8	20.1
4 21	13 29.06	−19 53.5	2.284	3.278	3.1	20.1
5 1	13 20.26	−19 40.8	2.319	3.292	5.4	20.3
5 11	13 12.74	−19 24.8	2.382	3.306	8.3	20.5
5 21	13 6.99	−19 9.3	2.469	3.319	11.0	20.7

488611 2002 RU_{254} 4 15.3 239.°77 0.°9/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.22	−14 35.1	2.433	3.251	11.5	22.9
3 22	13 52.31	−14 15.8	2.334	3.238	8.8	22.7
4 1	13 45.67	−13 45.3	2.259	3.224	5.6	22.5
4 11	13 37.89	−13 5.6	2.213	3.210	2.1	22.2
4 21	13 29.66	−12 20.0	2.195	3.195	2.0	22.2
5 1	13 21.79	−11 33.1	2.206	3.181	5.6	22.4
5 11	13 15.02	−10 49.7	2.245	3.165	9.0	22.6
5 21	13 9.87	−10 13.8	2.308	3.150	12.0	22.7

208957 2002 XE_{10} 4 15.3 98.°02 0.°9/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.33	−15 3.2	2.376	3.193	11.8	21.4
3 22	13 52.17	−14 39.0	2.310	3.213	8.9	21.3
4 1	13 45.43	−14 3.6	2.269	3.234	5.6	21.1
4 11	13 37.76	−13 19.8	2.256	3.253	2.1	20.9
4 21	13 29.91	−12 31.4	2.272	3.273	1.9	20.9
5 1	13 22.62	−11 43.0	2.317	3.292	5.3	21.1
5 11	13 16.54	−10 59.2	2.390	3.311	8.5	21.4
5 21	13 12.11	−10 23.6	2.486	3.329	11.2	21.6

65 Cybele 4 15.3 315.°26 1.°2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.39	− 8 7.6	2.359	3.203	10.9	11.8
3 22	13 49.43	− 7 30.9	2.272	3.194	8.1	11.6
4 1	13 43.90	− 6 46.6	2.211	3.185	4.8	11.3
4 11	13 37.34	− 5 58.6	2.177	3.176	1.6	11.1
4 21	13 30.44	− 5 11.3	2.172	3.168	2.9	11.2
5 1	13 23.92	− 4 29.2	2.195	3.160	6.3	11.4
5 11	13 18.46	− 3 56.3	2.244	3.152	9.5	11.6
5 21	13 14.54	− 3 35.4	2.315	3.144	12.4	11.8

505539 2013 YL_{81} 4 15.3 52.°19 5.°5/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.34	+ 4 12.2	2.001	2.860	12.0	21.3
3 22	13 51.69	+ 5 12.0	1.942	2.865	9.1	21.1
4 1	13 45.26	+ 6 9.9	1.907	2.870	6.5	21.0
4 11	13 37.74	+ 6 59.4	1.899	2.876	5.5	20.9
4 21	13 29.95	+ 7 34.9	1.918	2.881	7.0	21.0
5 1	13 22.76	+ 7 52.5	1.963	2.887	9.7	21.2
5 11	13 16.91	+ 7 50.6	2.032	2.892	12.5	21.4
5 21	13 12.87	+ 7 30.0	2.121	2.898	15.0	21.6

500747 2013 AU_{47} 4 15.3 135.°50 3.°0/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.07	− 0 21.0	2.599	3.443	10.0	21.7
3 22	13 51.87	+ 0 9.7	2.530	3.450	7.4	21.5
4 1	13 45.23	+ 0 41.3	2.487	3.457	4.7	21.4
4 11	13 37.72	+ 1 9.9	2.473	3.463	3.0	21.3
4 21	13 29.98	+ 1 31.9	2.488	3.469	4.3	21.4
5 1	13 22.71	+ 1 44.4	2.532	3.475	6.8	21.5
5 11	13 16.50	+ 1 45.4	2.602	3.481	9.5	21.7
5 21	13 11.76	+ 1 34.4	2.695	3.487	11.8	21.9

247703 2003 CF_8 4 15.3 349.°17 14.°2/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.43	−38 30.2	1.685	2.392	20.0	19.0
3 22	14 2.00	−41 9.8	1.599	2.380	18.2	18.8
4 1	13 52.78	−43 28.2	1.531	2.371	16.4	18.7
4 11	13 40.36	−45 15.4	1.485	2.362	14.9	18.6
4 21	13 26.06	−46 23.8	1.460	2.354	14.2	18.5
5 1	13 11.85	−46 50.8	1.457	2.348	14.6	18.5
5 11	12 59.77	−46 41.9	1.475	2.343	16.0	18.6
5 21	12 51.28	−46 7.5	1.512	2.340	17.8	18.7

17436 1989 SV_3 4 15.3 126.°02 1.°8/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.95	− 8 11.3	1.834	2.676	13.7	19.5
3 22	13 55.19	− 7 17.7	1.772	2.693	10.0	19.3
4 1	13 47.40	− 6 14.9	1.735	2.709	6.0	19.1
4 11	13 38.38	− 5 8.6	1.726	2.724	2.1	18.9
4 21	13 29.13	− 4 5.0	1.744	2.739	3.7	19.0
5 1	13 20.63	− 3 10.7	1.791	2.753	7.7	19.3
5 11	13 13.73	− 2 30.3	1.863	2.767	11.4	19.6
5 21	13 8.93	− 2 6.3	1.958	2.779	14.6	19.8

346114 2007 VG_{102} 4 15.3 35.°35 5.°4/11.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.76	+ 3 28.6	1.675	2.537	13.7	19.8
3 22	13 53.62	+ 4 2.6	1.630	2.557	10.3	19.7
4 1	13 46.43	+ 4 33.4	1.609	2.576	7.1	19.5
4 11	13 38.08	+ 4 55.0	1.613	2.597	5.4	19.5
4 21	13 29.56	+ 5 2.6	1.644	2.618	6.8	19.6
5 1	13 21.90	+ 4 53.3	1.701	2.640	9.9	19.8
5 11	13 15.89	+ 4 26.4	1.780	2.662	13.0	20.0
5 21	13 12.00	+ 3 43.6	1.880	2.685	15.7	20.3

348900 2006 SR_{357} 4 15.3 86.°42 1.°6/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.40	−18 15.1	2.296	3.109	12.3	21.0
3 22	13 50.21	−17 41.5	2.215	3.112	9.4	20.8
4 1	13 44.36	−16 53.1	2.157	3.116	6.2	20.6
4 11	13 37.48	−15 52.6	2.126	3.120	2.8	20.4
4 21	13 30.30	−14 44.2	2.123	3.124	2.2	20.4
5 1	13 23.61	−13 33.6	2.150	3.127	5.4	20.6
5 11	13 18.11	−12 26.7	2.203	3.131	8.7	20.8
5 21	13 14.25	−11 28.3	2.281	3.135	11.7	21.0

15244 1989 TY_2 4 15.3 252.°89 2.°2/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.04	− 6 9.2	1.717	2.569	14.0	18.3
3 22	13 54.11	− 5 36.7	1.641	2.567	10.3	18.1
4 1	13 46.94	− 4 56.7	1.589	2.564	6.2	17.8
4 11	13 38.30	− 4 14.2	1.563	2.562	2.5	17.6
4 21	13 29.19	− 3 34.9	1.564	2.559	4.1	17.7
5 1	13 20.70	− 3 4.5	1.592	2.556	8.3	17.9
5 11	13 13.79	− 2 47.4	1.645	2.554	12.3	18.2
5 21	13 9.08	− 2 45.9	1.718	2.551	15.8	18.4

39152 2000 WN_{102} 4 15.3 159.°54 6.°2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.22	+ 6 34.5	2.076	2.929	11.9	19.6
3 22	13 53.04	+ 7 43.7	2.015	2.933	9.2	19.5
4 1	13 46.07	+ 8 49.4	1.980	2.936	6.9	19.3
4 11	13 37.99	+ 9 44.8	1.972	2.939	6.3	19.3
4 21	13 29.64	+10 24.1	1.992	2.942	7.7	19.4
5 1	13 21.89	+10 43.6	2.037	2.945	10.2	19.5
5 11	13 15.48	+10 41.9	2.106	2.947	12.9	19.7
5 21	13 10.89	+10 20.3	2.194	2.949	15.2	19.9

415378 2013 LF_{26} 4 15.3 254.°05 4.°4/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.84	− 1 14.2	1.671	2.529	14.0	21.1
3 22	13 54.83	− 0 22.2	1.591	2.518	10.5	20.9
4 1	13 47.46	+ 0 34.1	1.535	2.507	6.7	20.6
4 11	13 38.48	+ 1 28.0	1.504	2.496	4.4	20.5
4 21	13 28.93	+ 2 12.3	1.501	2.484	6.2	20.5
5 1	13 19.96	+ 2 40.9	1.524	2.472	10.1	20.7
5 11	13 12.60	+ 2 50.0	1.570	2.459	14.0	20.9
5 21	13 7.53	+ 2 38.9	1.636	2.447	17.4	21.1

267380 2001 XU_{227} 4 15.3 92.°44 0.°1/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.96	−11 51.5	1.808	2.644	14.1	21.5
3 22	13 54.58	−11 33.7	1.742	2.657	10.5	21.3
4 1	13 47.09	−11 4.6	1.701	2.671	6.4	21.1
4 11	13 38.32	−10 27.7	1.685	2.685	2.0	20.8
4 21	13 29.23	− 9 47.6	1.698	2.698	2.5	20.9
5 1	13 20.86	− 9 10.0	1.738	2.711	6.8	21.2
5 11	13 14.09	− 8 39.8	1.803	2.724	10.7	21.4
5 21	13 9.45	− 8 20.6	1.891	2.737	14.0	21.7

424095 2007 EP_{10} 4 15.3 70.°38 5.°5/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.75	−24 2.7	1.770	2.561	16.2	21.3
3 22	13 56.37	−24 41.9	1.689	2.563	13.2	21.1
4 1	13 48.45	−25 2.0	1.630	2.566	9.8	20.8
4 11	13 38.80	−25 1.3	1.595	2.569	6.7	20.7
4 21	13 28.52	−24 40.9	1.586	2.572	5.6	20.6
5 1	13 18.86	−24 5.2	1.604	2.575	7.6	20.7
5 11	13 10.95	−23 21.3	1.647	2.578	10.9	20.9
5 21	13 5.50	−22 36.6	1.712	2.581	14.2	21.1

108040 2001 FA_{155} 4 15.3 197.°60 1.°0/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.05	− 7 57.4	2.046	2.879	12.8	19.7
3 22	13 56.81	− 7 45.7	1.961	2.876	9.5	19.5
4 1	13 48.48	− 7 26.8	1.901	2.873	5.8	19.2
4 11	13 38.77	− 7 4.0	1.869	2.868	1.8	19.0
4 21	13 28.58	− 6 41.1	1.866	2.864	3.0	19.0
5 1	13 18.92	− 6 22.3	1.892	2.858	7.0	19.3
5 11	13 10.68	− 6 11.5	1.944	2.852	10.8	19.5
5 21	13 4.48	− 6 11.1	2.019	2.845	14.0	19.7

411708 2011 YR_{78} 4 15.3 13.°09 5.°8/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.17	+ 1 14.4	1.351	2.223	15.8	20.5
3 22	13 54.59	+ 2 8.1	1.291	2.224	11.9	20.3
4 1	13 47.36	+ 3 2.6	1.253	2.225	8.0	20.1
4 11	13 38.44	+ 3 49.4	1.240	2.227	5.8	20.0
4 21	13 29.06	+ 4 20.6	1.251	2.230	7.8	20.1
5 1	13 20.55	+ 4 30.6	1.286	2.233	11.7	20.3
5 11	13 14.00	+ 4 17.1	1.342	2.236	15.6	20.5
5 21	13 10.04	+ 3 41.4	1.417	2.239	19.1	20.8

379369 2009 WN_{216} 4 15.3 269.°07 1.°8/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.13	−15 8.4	1.880	2.703	14.2	20.5
3 22	13 55.82	−15 19.5	1.782	2.686	11.0	20.3
4 1	13 48.12	−15 18.2	1.706	2.669	7.2	20.0
4 11	13 38.73	−15 5.3	1.656	2.651	3.2	19.7
4 21	13 28.59	−14 43.4	1.634	2.634	2.7	19.7
5 1	13 18.84	−14 16.8	1.639	2.616	6.9	19.9
5 11	13 10.56	−13 51.1	1.671	2.598	11.0	20.1
5 21	13 4.49	−13 31.4	1.725	2.580	14.8	20.3

299966 2006 TS_{82} 4 15.3 357.°50 1.°3/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.85	−14 3.8	2.171	2.992	12.6	20.2
3 22	13 53.64	−14 15.0	2.087	2.992	9.6	20.0
4 1	13 46.53	−14 16.2	2.028	2.992	6.1	19.8
4 11	13 38.18	−14 8.8	1.995	2.991	2.5	19.6
4 21	13 29.40	−13 55.1	1.991	2.991	2.3	19.5
5 1	13 21.09	−13 38.8	2.015	2.991	5.8	19.8
5 11	13 14.07	−13 23.9	2.066	2.992	9.3	20.0
5 21	13 8.90	−13 14.0	2.141	2.992	12.4	20.2

173185 1998 FB_{72} 4 15.3 339.°84 0.°7/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.02	− 9 25.6	1.185	2.055	17.7	19.8
3 22	13 53.59	− 9 18.4	1.111	2.044	13.3	19.5
4 1	13 47.10	− 8 58.5	1.057	2.034	8.1	19.1
4 11	13 38.46	− 8 30.2	1.025	2.025	2.4	18.8
4 21	13 28.99	− 7 59.7	1.017	2.017	3.8	18.8
5 1	13 20.26	− 7 34.4	1.032	2.010	9.6	19.1
5 11	13 13.65	− 7 21.2	1.069	2.005	14.9	19.4
5 21	13 10.01	− 7 24.0	1.124	2.000	19.5	19.6

135338 2001 TX_{19} 4 15.3 276.°99 3.°1/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.54	−20 8.2	2.311	3.107	12.7	19.6
3 22	13 53.57	−20 20.5	2.201	3.085	10.1	19.4
4 1	13 46.61	−20 19.1	2.115	3.063	7.1	19.2
4 11	13 38.25	−20 4.0	2.055	3.041	4.1	19.0
4 21	13 29.26	−19 36.8	2.024	3.018	3.3	18.9
5 1	13 20.54	−19 1.1	2.020	2.995	5.9	19.0
5 11	13 12.99	−18 22.0	2.044	2.972	9.3	19.1
5 21	13 7.25	−17 44.7	2.092	2.949	12.4	19.3

313552 2003 BX_{33} 4 15.3 217.°24 10.°4/ 9.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 25.15	− 1 35.6	0.812	1.674	24.5	22.7
3 22	14 16.92	+ 1 9.6	0.736	1.664	19.0	22.3
4 1	14 2.73	+ 4 23.8	0.679	1.649	13.1	21.9
4 11	13 43.58	+ 7 45.5	0.645	1.630	10.5	21.7
4 21	13 21.87	+10 43.9	0.635	1.606	14.8	21.8
5 1	13 1.03	+12 51.6	0.647	1.577	22.1	22.0
5 11	12 44.10	+13 57.1	0.677	1.544	29.3	22.3
5 21	12 32.66	+14 5.4	0.717	1.507	35.5	22.5

163711 2003 GH_6 4 15.3 329.°07 1.°7/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.22	− 9 22.4	1.213	2.083	17.4	19.6
3 22	13 52.87	− 8 39.4	1.140	2.074	13.0	19.3
4 1	13 46.60	− 7 40.7	1.087	2.065	7.8	19.0
4 11	13 38.30	− 6 32.8	1.057	2.057	2.5	18.7
4 21	13 29.26	− 5 24.6	1.051	2.049	4.5	18.8
5 1	13 20.97	− 4 26.0	1.069	2.042	10.1	19.0
5 11	13 14.74	− 3 45.2	1.108	2.036	15.3	19.3
5 21	13 11.35	− 3 26.4	1.165	2.030	19.7	19.6

172368 2002 XC_{74} 4 15.3 60.°53 3.°3/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.77	− 1 11.8	1.999	2.851	12.3	19.6
3 22	13 53.46	− 0 45.6	1.939	2.863	9.1	19.4
4 1	13 46.33	− 0 18.0	1.903	2.875	5.7	19.2
4 11	13 38.09	+ 0 6.4	1.895	2.888	3.4	19.1
4 21	13 29.61	+ 0 23.3	1.914	2.900	4.8	19.2
5 1	13 21.78	+ 0 29.3	1.961	2.913	8.0	19.4
5 11	13 15.35	+ 0 22.1	2.033	2.925	11.1	19.7
5 21	13 10.80	+ 0 1.6	2.127	2.938	13.9	19.9

458992 2011 WJ_{115} 4 15.3 114.°22 3.°2/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.01	− 4 4.8	1.790	2.638	13.7	21.8
3 22	13 55.95	− 3 6.6	1.736	2.659	10.0	21.6
4 1	13 47.84	− 2 3.1	1.707	2.680	6.1	21.4
4 11	13 38.54	− 1 0.9	1.706	2.700	3.3	21.2
4 21	13 29.07	− 0 6.5	1.732	2.720	4.9	21.4
5 1	13 20.43	+ 0 34.6	1.787	2.738	8.6	21.6
5 11	13 13.44	+ 0 58.9	1.866	2.756	12.1	21.9
5 21	13 8.59	+ 1 5.7	1.966	2.774	15.0	22.1

434940 2006 TA_{130} 4 15.3 237.°76 2.°0/13.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.65	− 3 19.2	2.611	3.447	10.3	21.6
3 22	13 53.93	− 3 7.2	2.519	3.436	7.6	21.4
4 1	13 46.60	− 2 52.8	2.453	3.424	4.7	21.2
4 11	13 38.21	− 2 38.8	2.416	3.412	2.2	21.0
4 21	13 29.44	− 2 28.4	2.409	3.400	3.4	21.1
5 1	13 21.03	− 2 24.3	2.432	3.388	6.4	21.3
5 11	13 13.65	− 2 29.0	2.482	3.375	9.4	21.4
5 21	13 7.82	− 2 43.5	2.556	3.362	12.0	21.6

425208 2009 VM_{32} 4 15.3 168.°01 2.°9/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.73	−20 47.1	2.166	2.963	13.4	21.7
3 22	13 53.59	−20 37.2	2.081	2.966	10.6	21.5
4 1	13 46.52	−20 10.7	2.019	2.969	7.3	21.3
4 11	13 38.20	−19 29.2	1.984	2.971	4.1	21.1
4 21	13 29.49	−18 35.7	1.977	2.973	3.1	21.1
5 1	13 21.31	−17 35.6	1.998	2.975	5.8	21.2
5 11	13 14.49	−16 35.2	2.047	2.976	9.2	21.4
5 21	13 9.57	−15 40.1	2.119	2.977	12.3	21.6

230381 2002 GV_{77} 4 15.3 314.°81 3.°2/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.62	− 4 32.2	1.259	2.130	16.8	19.7
3 22	13 54.80	− 4 8.8	1.173	2.107	12.6	19.4
4 1	13 47.92	− 3 37.5	1.107	2.085	7.8	19.1
4 11	13 38.78	− 3 4.4	1.065	2.063	3.5	18.7
4 21	13 28.61	− 2 36.8	1.047	2.042	5.6	18.8
5 1	13 18.97	− 2 22.1	1.053	2.022	10.9	19.0
5 11	13 11.31	− 2 25.7	1.080	2.002	16.1	19.2
5 21	13 6.58	− 2 49.8	1.125	1.983	20.7	19.5

459013 2011 YM_{18} 4 15.3 310.°57 1.°7/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.01	−17 2.2	1.340	2.185	17.6	20.5
3 22	13 52.63	−16 30.4	1.257	2.174	13.6	20.2
4 1	13 46.43	−15 35.3	1.195	2.163	8.8	19.9
4 11	13 38.27	−14 20.3	1.156	2.153	3.6	19.5
4 21	13 29.36	−12 52.2	1.141	2.143	3.1	19.5
5 1	13 21.13	−11 21.4	1.152	2.133	8.4	19.7
5 11	13 14.83	− 9 59.1	1.186	2.124	13.5	20.0
5 21	13 11.25	− 8 53.6	1.240	2.115	18.0	20.2

169027 2001 DD_{107} 4 15.3 100.°98 3.°9/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.55	− 2 59.7	1.620	2.477	14.4	20.9
3 22	13 55.09	− 1 55.1	1.568	2.495	10.6	20.7
4 1	13 47.42	− 0 45.7	1.539	2.512	6.6	20.5
4 11	13 38.46	+ 0 21.0	1.536	2.529	3.9	20.4
4 21	13 29.27	+ 1 17.7	1.561	2.546	5.7	20.6
5 1	13 20.94	+ 1 58.2	1.612	2.562	9.5	20.8
5 11	13 14.36	+ 2 19.4	1.687	2.578	13.1	21.1
5 21	13 10.03	+ 2 20.7	1.782	2.593	16.2	21.3

115444 2003 TU_8 4 15.3 353.°02 4.°8/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.43	−20 39.2	1.395	2.219	18.2	19.0
3 22	13 55.92	−21 12.9	1.318	2.217	14.5	18.7
4 1	13 48.45	−21 26.3	1.262	2.215	10.3	18.5
4 11	13 38.90	−21 18.3	1.227	2.213	6.2	18.3
4 21	13 28.57	−20 51.0	1.218	2.212	5.0	18.2
5 1	13 18.97	−20 10.2	1.233	2.212	8.3	18.4
5 11	13 11.43	−19 24.6	1.272	2.212	12.6	18.6
5 21	13 6.77	−18 42.6	1.331	2.212	16.7	18.8

287328 2002 TK_{306} 4 15.3 163.°80 2.°6/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.27	− 3 11.1	2.177	3.024	11.6	20.8
3 22	13 53.09	− 2 43.0	2.103	3.025	8.6	20.6
4 1	13 46.15	− 2 11.5	2.053	3.026	5.3	20.4
4 11	13 38.09	− 1 41.0	2.032	3.027	2.7	20.2
4 21	13 29.71	− 1 15.5	2.039	3.028	4.1	20.3
5 1	13 21.84	− 0 59.0	2.074	3.029	7.4	20.5
5 11	13 15.23	− 0 54.3	2.135	3.030	10.6	20.7
5 21	13 10.38	− 1 2.4	2.218	3.030	13.4	20.9

290598 2005 UK_{179} 4 15.3 26.°54 4.°5/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.12	− 2 4.9	1.151	2.026	17.7	20.3
3 22	13 56.42	− 1 31.1	1.094	2.030	13.2	20.0
4 1	13 48.65	− 0 53.0	1.058	2.035	8.3	19.7
4 11	13 38.91	− 0 18.8	1.045	2.040	4.6	19.5
4 21	13 28.65	+ 0 4.0	1.056	2.046	6.7	19.7
5 1	13 19.43	+ 0 9.1	1.090	2.052	11.4	20.0
5 11	13 12.51	− 0 6.6	1.145	2.059	16.1	20.2
5 21	13 8.59	− 0 42.4	1.218	2.066	20.0	20.5

504110 2006 HT_{131} 4 15.3 240.°31 1.°0/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.41	−14 26.9	2.089	2.912	12.9	22.5
3 22	13 53.45	−14 16.0	1.998	2.904	9.9	22.3
4 1	13 46.51	−13 53.0	1.931	2.896	6.3	22.0
4 11	13 38.24	−13 19.9	1.891	2.888	2.4	21.8
4 21	13 29.48	−12 40.3	1.879	2.880	2.3	21.7
5 1	13 21.17	−11 59.1	1.895	2.871	6.2	22.0
5 11	13 14.17	−11 21.6	1.938	2.862	9.9	22.2
5 21	13 9.07	−10 52.1	2.004	2.853	13.2	22.4

277384 2005 UZ_{96} 4 15.3 141.°07 1.°0/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.06	− 9 37.5	1.935	2.776	13.1	21.8
3 22	13 53.13	− 8 56.0	1.863	2.782	9.7	21.6
4 1	13 46.24	− 8 4.4	1.814	2.788	5.8	21.4
4 11	13 38.13	− 7 7.3	1.793	2.793	1.8	21.1
4 21	13 29.68	− 6 10.3	1.800	2.798	3.1	21.2
5 1	13 21.83	− 5 19.3	1.835	2.802	7.1	21.5
5 11	13 15.41	− 4 39.3	1.895	2.806	10.8	21.7
5 21	13 10.94	− 4 13.5	1.978	2.811	14.0	21.9

296395 2009 FF_{71} 4 15.3 306.°20 2.°9/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 57.49	− 6 6.5	1.436	2.301	15.5	20.4
3 22	13 53.43	− 5 16.8	1.360	2.291	11.5	20.2
4 1	13 46.77	− 4 16.7	1.305	2.282	7.0	19.9
4 11	13 38.36	− 3 13.0	1.275	2.273	3.1	19.6
4 21	13 29.32	− 2 13.7	1.271	2.265	5.1	19.7
5 1	13 20.94	− 1 26.8	1.292	2.256	9.8	20.0
5 11	13 14.35	− 0 58.3	1.336	2.248	14.4	20.2
5 21	13 10.26	− 0 50.7	1.399	2.240	18.3	20.4

480090 2015 EM_{10} 4 15.3 318.°44 6.°4/18.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.94	−22 15.0	1.533	2.343	17.5	20.6
3 22	13 56.54	−23 22.9	1.431	2.317	14.4	20.3
4 1	13 49.07	−24 15.1	1.349	2.292	10.8	20.0
4 11	13 39.20	−24 48.1	1.290	2.267	7.5	19.8
4 21	13 28.05	−24 59.9	1.256	2.243	6.5	19.6
5 1	13 17.13	−24 52.4	1.247	2.220	9.1	19.7
5 11	13 7.98	−24 31.9	1.262	2.197	13.1	19.9
5 21	13 1.69	−24 6.5	1.296	2.175	17.2	20.1

4379 Snelling 4 15.3 183.°59 0.°8/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 54.03	−16 48.2	2.741	3.551	10.6	17.4
3 22	13 49.70	−15 51.9	2.652	3.551	8.0	17.2
4 1	13 43.99	−14 42.6	2.588	3.551	5.1	17.0
4 11	13 37.43	−13 23.6	2.553	3.550	1.9	16.8
4 21	13 30.62	−11 59.3	2.549	3.549	1.7	16.8
5 1	13 24.21	−10 35.0	2.574	3.548	4.9	17.0
5 11	13 18.78	− 9 16.1	2.629	3.547	7.9	17.2
5 21	13 14.74	− 8 6.9	2.708	3.545	10.5	17.4

141141 2001 XH_{96} 4 15.3 193.°93 3.°8/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 57.02	+ 1 53.9	2.569	3.416	10.1	20.2
3 22	13 51.93	+ 2 33.4	2.495	3.415	7.5	20.0
4 1	13 45.35	+ 3 12.7	2.447	3.413	5.1	19.8
4 11	13 37.85	+ 3 47.4	2.427	3.411	3.8	19.7
4 21	13 30.08	+ 4 13.7	2.436	3.409	5.0	19.8
5 1	13 22.73	+ 4 28.2	2.473	3.406	7.5	20.0
5 11	13 16.43	+ 4 29.2	2.536	3.404	10.1	20.1
5 21	13 11.62	+ 4 16.3	2.622	3.400	12.4	20.3

225773 2001 TQ_{16} 4 15.3 212.°27 7.°3/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.36	+ 9 16.7	1.939	2.788	12.8	20.6
3 22	13 55.58	+10 13.5	1.872	2.784	10.1	20.4
4 1	13 47.74	+11 4.3	1.830	2.780	7.9	20.3
4 11	13 38.60	+11 41.7	1.815	2.775	7.3	20.2
4 21	13 29.09	+12 0.2	1.825	2.770	8.7	20.3
5 1	13 20.21	+11 56.4	1.862	2.765	11.3	20.5
5 11	13 12.82	+11 29.9	1.922	2.760	14.1	20.6
5 21	13 7.48	+10 42.8	2.001	2.754	16.6	20.8

381565 2008 UX_8 4 15.3 201.°40 0.°6/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.30	−13 22.5	2.147	2.973	12.6	21.8
3 22	13 53.26	−13 4.6	2.062	2.971	9.5	21.6
4 1	13 46.34	−12 35.4	2.001	2.968	5.9	21.3
4 11	13 38.20	−11 57.4	1.967	2.965	2.0	21.1
4 21	13 29.63	−11 14.7	1.961	2.962	2.2	21.1
5 1	13 21.56	−10 31.9	1.985	2.959	6.1	21.3
5 11	13 14.76	− 9 54.3	2.034	2.955	9.7	21.5
5 21	13 9.81	− 9 25.7	2.107	2.951	12.9	21.7

368803 2005 YJ_{73} 4 15.3 182.°72 1.°9/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.52	−18 13.6	2.551	3.349	11.6	22.4
3 22	13 53.91	−17 59.5	2.461	3.350	9.0	22.2
4 1	13 46.63	−17 32.6	2.396	3.350	6.0	22.0
4 11	13 38.27	−16 54.4	2.358	3.350	2.9	21.8
4 21	13 29.56	−16 8.0	2.350	3.348	2.3	21.7
5 1	13 21.29	−15 17.5	2.371	3.346	5.2	21.9
5 11	13 14.16	−14 27.9	2.421	3.344	8.3	22.1
5 21	13 8.67	−13 43.6	2.496	3.340	11.1	22.3

170243 2003 QG_{36} 4 15.3 210.°36 3.°3/17.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.20	−19 48.3	1.825	2.631	15.2	20.6
3 22	13 56.64	−19 57.1	1.736	2.626	12.0	20.4
4 1	13 48.64	−19 48.7	1.669	2.621	8.3	20.2
4 11	13 38.95	−19 23.4	1.627	2.615	4.6	19.9
4 21	13 28.62	−18 43.9	1.613	2.609	3.6	19.9
5 1	13 18.85	−17 55.3	1.626	2.603	6.9	20.0
5 11	13 10.69	−17 5.0	1.665	2.595	10.9	20.3
5 21	13 4.88	−16 19.4	1.727	2.588	14.5	20.5

141329 2001 YR_{144} 4 15.3 56.°58 0.°8/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 57.03	− 8 32.6	2.145	2.986	12.0	20.0
3 22	13 52.17	− 8 15.0	2.077	2.996	8.9	19.8
4 1	13 45.59	− 7 50.4	2.034	3.006	5.3	19.6
4 11	13 37.95	− 7 22.1	2.017	3.017	1.6	19.3
4 21	13 30.03	− 6 54.0	2.029	3.027	2.7	19.4
5 1	13 22.66	− 6 30.2	2.069	3.038	6.3	19.7
5 11	13 16.57	− 6 14.2	2.135	3.049	9.7	19.9
5 21	13 12.23	− 6 8.4	2.224	3.060	12.6	20.1

229101 2004 RU_{28} 4 15.3 145.°24 1.°6/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.22	−16 41.2	2.451	3.255	11.9	21.6
3 22	13 54.39	−16 33.0	2.373	3.266	9.1	21.5
4 1	13 46.89	−16 13.1	2.319	3.277	5.9	21.3
4 11	13 38.34	−15 43.1	2.294	3.288	2.7	21.1
4 21	13 29.50	−15 6.1	2.298	3.298	2.2	21.0
5 1	13 21.18	−14 26.1	2.332	3.307	5.3	21.3
5 11	13 14.08	−13 47.8	2.393	3.315	8.4	21.5
5 21	13 8.68	−13 15.0	2.480	3.323	11.2	21.7

203545 2002 CJ_{67} 4 15.3 105.°21 1.°1/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.31	− 9 37.2	1.512	2.361	15.7	20.9
3 22	13 55.95	− 9 2.6	1.449	2.372	11.6	20.7
4 1	13 48.12	− 8 16.2	1.409	2.384	7.0	20.4
4 11	13 38.75	− 7 23.5	1.395	2.395	2.1	20.2
4 21	13 29.00	− 6 31.0	1.407	2.406	3.5	20.3
5 1	13 20.11	− 5 45.6	1.446	2.416	8.3	20.6
5 11	13 13.10	− 5 13.3	1.509	2.427	12.6	20.9
5 21	13 8.57	− 4 57.0	1.592	2.437	16.3	21.1

511525 2014 QY_{442} 4 15.3 275.°15 1.°0/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 48.92	−18 20.7	4.428	5.222	7.1	21.3
3 22	13 45.53	−17 36.5	4.329	5.217	5.5	21.2
4 1	13 41.32	−16 43.8	4.256	5.211	3.6	21.1
4 11	13 36.62	−15 44.5	4.213	5.206	1.7	20.9
4 21	13 31.78	−14 41.0	4.201	5.201	1.3	20.9
5 1	13 27.15	−13 36.1	4.220	5.196	3.1	21.0
5 11	13 23.08	−12 32.7	4.269	5.191	5.0	21.2
5 21	13 19.84	−11 33.6	4.345	5.186	6.8	21.3

237580 2001 DS_{105} 4 15.3 60.°97 6.°4/21.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.81	−28 5.6	1.802	2.575	16.6	20.0
3 22	13 54.82	−28 32.2	1.733	2.590	13.8	19.8
4 1	13 47.45	−28 35.6	1.684	2.605	10.6	19.7
4 11	13 38.55	−28 15.0	1.658	2.620	7.7	19.5
4 21	13 29.23	−27 32.2	1.658	2.636	6.4	19.5
5 1	13 20.66	−26 32.8	1.684	2.651	7.6	19.6
5 11	13 13.85	−25 24.9	1.735	2.667	10.4	19.8
5 21	13 9.40	−24 16.8	1.809	2.683	13.3	20.0

134409 1998 FV 4 15.3 304.°58 1.°8/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.49	− 7 52.3	1.379	2.241	16.2	19.6
3 22	13 54.57	− 7 28.0	1.285	2.215	12.2	19.3
4 1	13 47.75	− 6 51.9	1.213	2.190	7.4	19.0
4 11	13 38.78	− 6 8.9	1.165	2.164	2.5	18.6
4 21	13 28.79	− 5 25.5	1.141	2.139	4.3	18.6
5 1	13 19.23	− 4 49.5	1.143	2.115	9.8	18.9
5 11	13 11.48	− 4 27.9	1.166	2.090	15.0	19.1
5 21	13 6.47	− 4 24.8	1.209	2.066	19.6	19.3

434905 2006 TR_{37} 4 15.3 259.°78 0.°8/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.25	− 8 42.6	2.409	3.243	11.1	21.5
3 22	13 52.36	− 8 23.4	2.313	3.229	8.2	21.2
4 1	13 45.77	− 7 57.2	2.242	3.214	5.0	21.0
4 11	13 38.04	− 7 26.8	2.200	3.199	1.5	20.7
4 21	13 29.87	− 6 55.7	2.186	3.184	2.5	20.8
5 1	13 22.05	− 6 27.9	2.202	3.169	6.1	21.0
5 11	13 15.31	− 6 7.2	2.244	3.154	9.4	21.2
5 21	13 10.18	− 5 56.1	2.309	3.138	12.4	21.3

131625 2001 XN_{56} 4 15.3 213.°08 4.°4/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.79	− 1 5.7	1.692	2.546	14.0	20.4
3 22	13 56.24	− 0 11.9	1.616	2.541	10.5	20.1
4 1	13 48.32	+ 0 45.9	1.564	2.535	6.8	19.9
4 11	13 38.84	+ 1 40.8	1.538	2.528	4.4	19.7
4 21	13 28.83	+ 2 25.7	1.539	2.521	6.2	19.8
5 1	13 19.46	+ 2 54.9	1.567	2.513	10.0	20.0
5 11	13 11.74	+ 3 4.5	1.619	2.505	13.8	20.2
5 21	13 6.33	+ 2 54.2	1.691	2.496	17.2	20.4

417327 2006 CZ_{29} 4 15.3 136.°95 3.°9/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 51.60	−32 54.9	4.652	5.352	8.1	21.1
3 22	13 47.57	−33 7.8	4.556	5.354	6.9	21.1
4 1	13 42.59	−33 9.7	4.482	5.356	5.7	21.0
4 11	13 37.02	−33 0.2	4.433	5.358	4.5	20.9
4 21	13 31.25	−32 40.2	4.413	5.360	4.0	20.8
5 1	13 25.69	−32 11.2	4.421	5.362	4.2	20.9
5 11	13 20.75	−31 35.6	4.456	5.364	5.2	20.9
5 21	13 16.74	−30 56.3	4.518	5.366	6.4	21.0

382150 2011 QN_3 4 15.3 277.°79 1.°1/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 48.47	− 6 1.6	4.396	5.233	6.4	21.5
3 22	13 45.20	− 5 26.0	4.304	5.222	4.7	21.4
4 1	13 41.13	− 4 47.2	4.238	5.211	2.8	21.2
4 11	13 36.58	− 4 7.3	4.203	5.200	1.2	21.1
4 21	13 31.86	− 3 28.6	4.198	5.190	2.0	21.1
5 1	13 27.33	− 2 53.5	4.222	5.179	3.9	21.3
5 11	13 23.31	− 2 23.9	4.275	5.168	5.8	21.4
5 21	13 20.07	− 2 1.3	4.353	5.157	7.4	21.5

105943 2000 SY_{233} 4 15.3 263.°28 3.°1/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.91	− 4 27.3	1.777	2.625	13.8	20.6
3 22	13 56.53	− 3 41.1	1.676	2.599	10.3	20.4
4 1	13 48.67	− 2 46.6	1.598	2.572	6.4	20.1
4 11	13 39.02	− 1 49.4	1.548	2.544	3.2	19.8
4 21	13 28.53	− 0 56.2	1.525	2.515	5.1	19.8
5 1	13 18.40	− 0 13.9	1.529	2.485	9.4	20.0
5 11	13 9.74	+ 0 12.1	1.559	2.454	13.7	20.2
5 21	13 3.35	+ 0 19.1	1.608	2.423	17.5	20.4

157535 2005 TF_{54} 4 15.3 90.°17 2.°1/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.88	− 4 23.0	1.813	2.657	13.7	19.9
3 22	13 57.42	− 4 15.9	1.753	2.673	10.1	19.7
4 1	13 48.83	− 4 5.0	1.717	2.690	6.1	19.5
4 11	13 38.94	− 3 54.1	1.708	2.706	2.5	19.3
4 21	13 28.80	− 3 47.0	1.728	2.723	3.8	19.4
5 1	13 19.44	− 3 47.3	1.776	2.738	7.7	19.7
5 11	13 11.76	− 3 57.6	1.849	2.754	11.4	19.9
5 21	13 6.29	− 4 18.8	1.944	2.770	14.5	20.2

513093 2017 WL_{22} 4 15.3 145.°46 3.°1/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.42	−23 59.7	2.798	3.574	11.3	21.0
3 22	13 50.05	−23 39.4	2.710	3.578	9.0	20.8
4 1	13 44.25	−23 4.0	2.646	3.582	6.5	20.7
4 11	13 37.55	−22 14.7	2.608	3.586	4.1	20.5
4 21	13 30.60	−21 14.3	2.599	3.590	3.1	20.5
5 1	13 24.06	−20 7.1	2.619	3.594	4.8	20.6
5 11	13 18.53	−18 58.3	2.668	3.597	7.3	20.7
5 21	13 14.44	−17 52.6	2.742	3.601	9.8	20.9

167721 2004 TY_{344} 4 15.3 222.°32 0.°9/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.18	−15 32.1	1.804	2.629	14.6	20.5
3 22	13 55.09	−14 57.5	1.713	2.620	11.2	20.3
4 1	13 47.67	−14 5.8	1.644	2.610	7.1	20.0
4 11	13 38.67	−13 0.2	1.602	2.600	2.6	19.7
4 21	13 29.08	−11 46.2	1.588	2.589	2.5	19.6
5 1	13 20.02	−10 31.1	1.602	2.578	7.1	19.9
5 11	13 12.52	− 9 22.8	1.642	2.565	11.4	20.1
5 21	13 7.25	− 8 27.3	1.704	2.552	15.2	20.3

489277 2006 SS_{106} 4 15.3 158.°64 0.°0/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.04	−11 53.8	2.781	3.603	10.1	22.8
3 22	13 51.15	−11 27.7	2.701	3.609	7.5	22.6
4 1	13 44.87	−10 53.5	2.646	3.614	4.6	22.4
4 11	13 37.74	−10 13.7	2.620	3.619	1.4	22.2
4 21	13 30.36	− 9 31.7	2.623	3.623	1.8	22.2
5 1	13 23.39	− 8 51.3	2.657	3.628	5.0	22.4
5 11	13 17.39	− 8 16.1	2.718	3.631	7.9	22.6
5 21	13 12.79	− 7 48.8	2.804	3.635	10.4	22.8

454106 2013 CR_{10} 4 15.3 129.°10 4.°7/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.70	− 0 56.9	1.533	2.391	15.0	21.1
3 22	13 56.90	+ 0 0.2	1.475	2.402	11.2	20.8
4 1	13 48.66	+ 1 0.4	1.440	2.412	7.2	20.6
4 11	13 38.92	+ 1 55.9	1.431	2.422	4.7	20.5
4 21	13 28.85	+ 2 39.4	1.449	2.431	6.5	20.6
5 1	13 19.65	+ 3 5.3	1.493	2.440	10.3	20.9
5 11	13 12.34	+ 3 10.5	1.559	2.448	14.1	21.1
5 21	13 7.48	+ 2 55.5	1.646	2.456	17.4	21.3

430156 2013 TA_{70} 4 15.3 135.°48 0.°9/16.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.65	−13 48.6	2.249	3.067	12.3	22.3
3 22	13 54.83	−13 41.4	2.175	3.078	9.3	22.1
4 1	13 47.21	−13 23.6	2.125	3.090	5.8	21.9
4 11	13 38.47	−12 57.6	2.103	3.100	2.2	21.7
4 21	13 29.42	−12 26.4	2.110	3.110	2.1	21.7
5 1	13 20.93	−11 54.4	2.146	3.120	5.7	22.0
5 11	13 13.77	−11 26.0	2.209	3.129	9.1	22.2
5 21	13 8.41	−11 4.6	2.297	3.138	12.0	22.4

72147 2000 YP_{90} 4 15.3 228.°49 2.°4/13.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.82	− 5 42.9	1.833	2.680	13.5	20.0
3 22	13 55.45	− 5 1.4	1.747	2.670	10.0	19.8
4 1	13 47.84	− 4 12.0	1.685	2.659	6.1	19.5
4 11	13 38.72	− 3 20.1	1.650	2.648	2.7	19.3
4 21	13 29.03	− 2 31.4	1.643	2.636	4.3	19.4
5 1	13 19.87	− 1 52.1	1.664	2.624	8.4	19.6
5 11	13 12.20	− 1 27.0	1.710	2.611	12.4	19.8
5 21	13 6.68	− 1 18.3	1.777	2.597	15.9	20.0

4777 Aksenov 4 15.3 207.°05 0.°2/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.48	−12 16.8	1.608	2.447	15.4	17.9
3 22	13 56.22	−11 42.4	1.527	2.443	11.6	17.7
4 1	13 48.42	−10 53.1	1.467	2.439	7.1	17.4
4 11	13 38.91	− 9 52.9	1.434	2.433	2.2	17.1
4 21	13 28.80	− 8 48.2	1.427	2.428	3.0	17.1
5 1	13 19.34	− 7 46.5	1.448	2.421	8.0	17.4
5 11	13 11.63	− 6 55.4	1.494	2.414	12.6	17.6
5 21	13 6.38	− 6 19.7	1.560	2.406	16.5	17.9

472390 2015 BS_{130} 4 15.3 94.°89 5.°4/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.11	+ 2 45.1	1.890	2.748	12.6	21.1
3 22	13 53.05	+ 3 58.7	1.840	2.764	9.5	21.0
4 1	13 46.13	+ 5 11.4	1.814	2.779	6.6	20.8
4 11	13 38.13	+ 6 15.8	1.816	2.795	5.4	20.8
4 21	13 29.92	+ 7 5.6	1.844	2.810	7.0	20.9
5 1	13 22.42	+ 7 36.4	1.899	2.825	9.9	21.1
5 11	13 16.39	+ 7 46.5	1.978	2.839	12.8	21.3
5 21	13 12.27	+ 7 36.4	2.076	2.854	15.3	21.5

277142 2005 LG_8 4 15.3 80.°46 1.°5/16.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 30.47	−21 39.7	1.533	2.294	19.6	20.4
3 22	14 16.26	−19 54.9	1.497	2.368	14.8	20.3
4 1	13 59.54	−17 44.1	1.487	2.438	9.2	20.1
4 11	13 41.96	−15 15.6	1.510	2.504	3.6	19.9
4 21	13 25.26	−12 42.7	1.567	2.567	2.9	20.0
5 1	13 10.86	−10 19.6	1.659	2.626	7.8	20.5
5 11	12 59.61	− 8 17.0	1.782	2.682	12.0	20.8
5 21	12 51.72	− 6 39.9	1.929	2.734	15.4	21.2

351538 2005 SD_{220} 4 15.3 259.°53 7.°3/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.24	−35 22.7	2.648	3.350	13.6	20.5
3 22	13 54.14	−36 0.3	2.541	3.335	11.8	20.4
4 1	13 47.02	−36 18.8	2.453	3.321	10.0	20.2
4 11	13 38.49	−36 15.7	2.389	3.306	8.3	20.1
4 21	13 29.34	−35 50.5	2.351	3.291	7.3	20.0
5 1	13 20.51	−35 5.2	2.339	3.275	7.7	20.0
5 11	13 12.89	−34 5.1	2.353	3.260	9.2	20.0
5 21	13 7.13	−32 56.5	2.392	3.244	11.2	20.1

139289 2001 KR_1 4 15.3 77.°73 25.°1/14.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	15 36.48	+31 40.0	0.786	1.510	36.4	19.5
3 22	15 3.91	+36 25.4	0.819	1.609	30.7	19.5
4 1	14 26.27	+39 25.7	0.877	1.700	26.8	19.7
4 11	13 49.08	+40 24.3	0.959	1.783	25.2	19.9
4 21	13 17.52	+39 39.9	1.065	1.859	25.3	20.2
5 1	12 54.05	+37 47.1	1.192	1.928	26.2	20.6
5 11	12 38.52	+35 18.6	1.333	1.990	27.3	20.9
5 21	12 29.55	+32 35.9	1.486	2.046	28.0	21.3

470218 2006 WJ_{32} 4 15.3 230.°47 4.°3/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.81	+ 2 57.1	2.403	3.253	10.6	21.0
3 22	13 51.90	+ 3 39.9	2.329	3.250	8.0	20.9
4 1	13 45.42	+ 4 21.9	2.281	3.246	5.5	20.7
4 11	13 37.94	+ 4 58.3	2.261	3.242	4.3	20.6
4 21	13 30.16	+ 5 24.7	2.268	3.238	5.6	20.7
5 1	13 22.82	+ 5 37.7	2.304	3.233	8.2	20.8
5 11	13 16.60	+ 5 35.5	2.364	3.229	10.8	21.0
5 21	13 11.94	+ 5 18.2	2.446	3.225	13.2	21.2

423208 2004 RB_{55} 4 15.3 282.°09 3.°6/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.38	−18 33.9	1.834	2.644	15.0	20.5
3 22	13 56.95	−19 9.1	1.735	2.628	11.9	20.2
4 1	13 48.98	−19 30.7	1.658	2.611	8.3	20.0
4 11	13 39.14	−19 37.7	1.607	2.595	4.7	19.7
4 21	13 28.46	−19 31.1	1.583	2.578	3.9	19.6
5 1	13 18.14	−19 14.2	1.586	2.562	7.2	19.8
5 11	13 9.35	−18 52.7	1.615	2.545	11.1	20.0
5 21	13 2.93	−18 32.4	1.666	2.528	14.8	20.2

95455 2002 CY_{295} 4 15.3 334.°20 6.°3/22.3 17

3 12	13 54.46	−31 18.8	2.152	2.903	15.0	18.9
3 22	13 50.72	−31 21.8	2.057	2.896	12.6	18.7
4 1	13 44.95	−31 1.6	1.983	2.890	10.1	18.5
4 11	13 37.84	−30 17.4	1.932	2.883	7.6	18.4
4 21	13 30.25	−29 10.9	1.906	2.877	6.3	18.3
5 1	13 23.16	−27 47.1	1.907	2.872	7.1	18.3
5 11	13 17.44	−26 13.6	1.934	2.867	9.5	18.4
5 21	13 13.68	−24 38.7	1.985	2.862	12.2	18.6

497165 2004 RG_{333} 4 15.3 298.°61 8.°8/18.7 17

3 12	14 13.10	−26 21.8	1.754	2.515	17.5	20.3
3 22	14 5.77	−28 24.3	1.650	2.497	14.8	20.1
4 1	13 54.91	−30 14.1	1.569	2.480	11.9	19.9
4 11	13 41.13	−31 43.7	1.513	2.462	9.5	19.7
4 21	13 25.66	−32 47.0	1.484	2.445	8.9	19.6
5 1	13 10.23	−33 21.9	1.483	2.428	10.6	19.7
5 11	12 56.62	−33 33.0	1.507	2.411	13.6	19.8
5 21	12 46.10	−33 28.4	1.553	2.394	16.8	19.9

175918 2000 CE_{102} 4 15.3 30.°44 3.°4/17.9 18

3 12	13 56.99	−20 11.0	1.404	2.234	17.7	19.6
3 22	13 53.13	−20 1.2	1.336	2.240	13.9	19.4
4 1	13 46.61	−19 28.4	1.288	2.247	9.5	19.1
4 11	13 38.37	−18 34.7	1.263	2.254	5.0	18.9
4 21	13 29.62	−17 25.6	1.263	2.262	3.7	18.8
5 1	13 21.70	−16 9.6	1.289	2.270	7.6	19.1
5 11	13 15.73	−14 56.8	1.338	2.279	12.0	19.3
5 21	13 12.36	−13 55.0	1.408	2.288	16.0	19.6

138751 2000 SC_{259} 4 15.3 146.°86 2.°6/12.5 18

3 12	13 57.01	− 2 6.4	2.573	3.417	10.2	20.2
3 22	13 51.92	− 1 36.3	2.501	3.422	7.5	20.0
4 1	13 45.37	− 1 4.0	2.455	3.426	4.7	19.8
4 11	13 37.92	− 0 33.4	2.437	3.431	2.6	19.7
4 21	13 30.23	− 0 8.0	2.449	3.435	3.9	19.8
5 1	13 22.98	+ 0 8.8	2.490	3.439	6.6	20.0
5 11	13 16.78	+ 0 14.9	2.556	3.443	9.4	20.1
5 21	13 12.07	+ 0 9.3	2.646	3.446	11.8	20.3

7797 Morita 4 15.3 216.°93 3.°7/10.3 18

3 12	13 54.08	+ 1 6.3	2.755	3.605	9.4	17.4
3 22	13 49.74	+ 2 11.4	2.677	3.599	7.0	17.2
4 1	13 44.06	+ 3 17.9	2.626	3.592	4.8	17.1
4 11	13 37.53	+ 4 20.9	2.604	3.586	3.7	17.0
4 21	13 30.74	+ 5 15.9	2.610	3.579	5.0	17.1
5 1	13 24.30	+ 5 58.9	2.645	3.571	7.4	17.2
5 11	13 18.77	+ 6 27.2	2.706	3.564	9.8	17.4
5 21	13 14.58	+ 6 40.1	2.788	3.556	12.0	17.5

40727 1999 SQ_{11} 4 15.3 195.°62 2.°3/13.1 18

3 12	13 58.35	− 4 45.5	2.246	3.089	11.5	19.4
3 22	13 53.17	− 4 8.9	2.166	3.087	8.4	19.2
4 1	13 46.26	− 3 27.2	2.112	3.085	5.1	19.0
4 11	13 38.23	− 2 44.8	2.086	3.082	2.4	18.8
4 21	13 29.84	− 2 6.1	2.088	3.079	3.8	18.9
5 1	13 21.94	− 1 35.7	2.119	3.076	7.1	19.1
5 11	13 15.24	− 1 16.8	2.176	3.072	10.4	19.3
5 21	13 10.26	− 1 11.2	2.256	3.068	13.2	19.5

520128 2014 BE_{66} 4 15.3 100.°53 1.°0/14.3 17

3 12	13 56.52	− 8 43.0	2.374	3.210	11.1	21.4
3 22	13 51.64	− 8 9.3	2.307	3.224	8.2	21.2
4 1	13 45.23	− 7 28.5	2.266	3.238	4.9	21.0
4 11	13 37.89	− 6 44.4	2.253	3.252	1.5	20.8
4 21	13 30.33	− 6 1.1	2.269	3.266	2.6	20.9
5 1	13 23.30	− 5 22.8	2.314	3.279	6.0	21.2
5 11	13 17.42	− 4 53.2	2.385	3.293	9.1	21.4
5 21	13 13.13	− 4 34.6	2.480	3.306	11.7	21.6

172633 2003 YU_7 4 15.3 340.°10 2.°9/17.5 17

3 12	13 57.38	−18 43.5	1.445	2.278	17.2	20.1
3 22	13 53.49	−18 37.5	1.367	2.274	13.4	19.8
4 1	13 46.92	−18 10.6	1.309	2.270	9.0	19.6
4 11	13 38.52	−17 24.4	1.274	2.267	4.5	19.3
4 21	13 29.45	−16 23.6	1.264	2.264	3.5	19.2
5 1	13 21.08	−15 16.1	1.280	2.261	7.7	19.5
5 11	13 14.59	−14 11.3	1.319	2.259	12.3	19.7
5 21	13 10.70	−13 16.8	1.379	2.257	16.4	19.9

432404 2009 YK_{23} 4 15.3 137.°75 1.°6/13.6 17

	h m	° ′			°	m
3 12	13 59.05	− 6 25.5	2.378	3.214	11.1	21.9
3 22	13 53.50	− 5 50.3	2.310	3.227	8.2	21.7
4 1	13 46.35	− 5 9.5	2.267	3.239	4.9	21.5
4 11	13 38.23	− 4 27.1	2.253	3.251	1.9	21.4
4 21	13 29.89	− 3 47.2	2.268	3.262	3.2	21.5
5 1	13 22.08	− 3 14.1	2.313	3.272	6.4	21.7
5 11	13 15.48	− 2 50.8	2.384	3.282	9.5	21.9
5 21	13 10.51	− 2 39.3	2.479	3.292	12.1	22.1

7577 1990 QV_4 4 15.3 145.°11 4.°5/ 9.9 18

3 12	13 55.74	+ 3 16.8	2.477	3.328	10.3	17.6
3 22	13 51.03	+ 4 19.1	2.414	3.334	7.7	17.5
4 1	13 44.85	+ 5 20.7	2.377	3.340	5.5	17.3
4 11	13 37.78	+ 6 16.1	2.368	3.345	4.5	17.3
4 21	13 30.49	+ 7 0.6	2.388	3.351	5.9	17.4
5 1	13 23.67	+ 7 30.6	2.435	3.356	8.2	17.5
5 11	13 17.93	+ 7 44.1	2.507	3.360	10.7	17.7
5 21	13 13.68	+ 7 41.1	2.601	3.365	12.9	17.9

270369 2001 YY_{138} 4 15.3 31.°56 4.°1/12.8 18

3 12	13 58.71	− 2 23.1	1.237	2.111	16.8	20.6
3 22	13 54.24	− 1 49.9	1.195	2.130	12.3	20.4
4 1	13 47.14	− 1 13.3	1.174	2.150	7.6	20.2
4 11	13 38.50	− 0 40.8	1.176	2.172	4.2	20.0
4 21	13 29.63	− 0 19.0	1.203	2.194	6.0	20.2
5 1	13 21.85	− 0 13.0	1.254	2.217	10.3	20.5
5 11	13 16.16	− 0 25.1	1.327	2.240	14.4	20.8
5 21	13 13.08	− 0 54.8	1.419	2.265	17.8	21.1

174189 2002 QL_3 4 15.3 288.°82 1.°0/16.1 17

3 12	13 57.78	−14 56.3	1.553	2.392	15.8	20.3
3 22	13 53.65	−14 32.8	1.466	2.381	12.1	20.0
4 1	13 46.98	−13 51.6	1.402	2.371	7.7	19.8
4 11	13 38.54	−12 55.9	1.361	2.360	2.8	19.4
4 21	13 29.42	−11 51.3	1.347	2.349	2.8	19.4
5 1	13 20.88	−10 45.6	1.360	2.338	7.7	19.7
5 11	13 14.04	− 9 47.1	1.396	2.328	12.4	19.9
5 21	13 9.66	− 9 2.1	1.453	2.317	16.5	20.1

205018 1997 WR_6 4 15.3 52.°59 3.°8/12.9 18

3 12	14 1.51	− 3 27.1	1.228	2.097	17.2	20.5
3 22	13 56.42	− 2 49.4	1.180	2.113	12.7	20.2
4 1	13 48.53	− 2 6.4	1.153	2.129	7.8	20.0
4 11	13 38.94	− 1 25.7	1.149	2.146	4.0	19.8
4 21	13 29.05	− 0 54.7	1.171	2.162	5.9	20.0
5 1	13 20.27	− 0 39.4	1.217	2.180	10.5	20.3
5 11	13 13.70	− 0 42.9	1.285	2.197	14.8	20.6
5 21	13 9.91	− 1 5.4	1.371	2.215	18.5	20.9

180713 2004 JM_5 4 15.3 244.°99 4.°0/ 9.8 18

3 12	13 54.04	+ 1 7.3	2.685	3.535	9.6	20.3
3 22	13 49.80	+ 2 26.3	2.600	3.521	7.2	20.1
4 1	13 44.16	+ 3 47.8	2.541	3.507	4.9	20.0
4 11	13 37.60	+ 5 6.4	2.511	3.492	4.0	19.9
4 21	13 30.72	+ 6 16.5	2.511	3.476	5.4	19.9
5 1	13 24.16	+ 7 13.6	2.539	3.460	7.9	20.1
5 11	13 18.52	+ 7 54.5	2.593	3.444	10.4	20.2
5 21	13 14.24	+ 8 18.0	2.668	3.428	12.7	20.4

101992 1999 RT_{67} 4 15.3 178.°52 6.°8/23.6 18

3 12	14 0.93	−36 1.7	2.977	3.662	12.5	20.3
3 22	13 55.14	−36 44.7	2.882	3.664	10.9	20.2
4 1	13 47.52	−37 10.1	2.808	3.664	9.2	20.1
4 11	13 38.66	−37 15.9	2.758	3.665	7.7	20.0
4 21	13 29.32	−37 1.7	2.734	3.665	6.9	19.9
5 1	13 20.34	−36 29.6	2.738	3.665	7.2	19.9
5 11	13 12.50	−35 43.8	2.768	3.664	8.4	20.0
5 21	13 6.37	−34 49.9	2.822	3.663	10.1	20.1

292353 2006 SB_{220} 4 15.3 140.°80 2.°4/17.8 18

3 12	13 58.13	−18 58.2	2.467	3.266	12.0	20.6
3 22	13 52.97	−19 2.8	2.384	3.271	9.3	20.4
4 1	13 46.13	−18 54.9	2.324	3.276	6.3	20.2
4 11	13 38.22	−18 35.5	2.292	3.280	3.4	20.0
4 21	13 29.95	−18 6.8	2.288	3.285	2.7	20.0
5 1	13 22.13	−17 32.5	2.313	3.289	5.2	20.1
5 11	13 15.47	−16 57.3	2.366	3.293	8.2	20.3
5 21	13 10.47	−16 25.3	2.443	3.297	11.0	20.5

73161 2002 GC_{146} 4 15.3 259.°73 2.°1/13.7 17

3 12	13 59.91	− 7 3.8	1.641	2.493	14.5	20.0
3 22	13 55.08	− 6 24.6	1.554	2.479	10.8	19.7
4 1	13 47.80	− 5 35.3	1.490	2.465	6.6	19.4
4 11	13 38.80	− 4 41.2	1.452	2.451	2.5	19.1
4 21	13 29.14	− 3 48.9	1.441	2.436	4.3	19.2
5 1	13 20.00	− 3 5.4	1.456	2.421	8.9	19.4
5 11	13 12.49	− 2 36.3	1.496	2.406	13.2	19.7
5 21	13 7.32	− 2 24.8	1.556	2.391	17.1	19.9

44925 1999 VB_{36} 4 15.3 136.°15 0.°7/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.86	−14 15.4	1.916	2.741	13.9	19.6
3 22	13 55.26	−13 48.7	1.845	2.752	10.5	19.4
4 1	13 47.61	−13 8.5	1.797	2.764	6.5	19.2
4 11	13 38.67	−12 18.1	1.776	2.774	2.3	18.9
4 21	13 29.40	−11 22.5	1.784	2.785	2.3	18.9
5 1	13 20.81	−10 27.6	1.819	2.794	6.5	19.2
5 11	13 13.75	− 9 39.5	1.882	2.803	10.3	19.5
5 21	13 8.77	− 9 2.4	1.967	2.811	13.6	19.7

157078 2003 WQ_{31} 4 15.3 248.°34 0.°2/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 55.76	−11 33.9	2.821	3.644	10.0	20.4
3 22	13 51.03	−11 25.9	2.730	3.638	7.5	20.2
4 1	13 44.89	−11 10.7	2.664	3.632	4.6	20.0
4 11	13 37.83	−10 50.2	2.626	3.625	1.5	19.8
4 21	13 30.46	−10 27.2	2.618	3.619	1.8	19.8
5 1	13 23.41	−10 4.5	2.640	3.613	4.9	20.0
5 11	13 17.28	− 9 45.5	2.689	3.606	7.8	20.2
5 21	13 12.51	− 9 32.6	2.763	3.599	10.4	20.4

258249 2001 TK_{170} 4 15.3 179.°28 1.°8/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 55.15	−19 48.8	2.555	3.354	11.6	20.5
3 22	13 50.71	−19 9.3	2.466	3.355	9.0	20.3
4 1	13 44.73	−18 14.9	2.402	3.356	6.0	20.1
4 11	13 37.78	−17 7.8	2.365	3.356	3.0	19.9
4 21	13 30.55	−15 52.2	2.357	3.356	2.2	19.8
5 1	13 23.76	−14 33.4	2.379	3.356	5.0	20.0
5 11	13 18.04	−13 17.1	2.429	3.355	8.1	20.2
5 21	13 13.86	−12 8.3	2.504	3.354	10.9	20.4

179466 2002 BG_5 4 15.3 81.°89 7.°4/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.07	−33 1.0	2.418	3.135	14.3	20.2
3 22	13 57.02	−34 3.3	2.335	3.144	12.3	20.1
4 1	13 48.80	−34 46.8	2.274	3.152	10.2	19.9
4 11	13 39.09	−35 8.5	2.236	3.161	8.3	19.8
4 21	13 28.80	−35 7.9	2.225	3.169	7.4	19.8
5 1	13 18.97	−34 47.0	2.241	3.178	8.0	19.8
5 11	13 10.57	−34 11.2	2.282	3.186	9.6	19.9
5 21	13 4.24	−33 26.8	2.347	3.195	11.6	20.1

143379 2003 BA_{18} 4 15.3 82.°31 1.°9/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.31	−16 54.5	1.706	2.530	15.4	20.2
3 22	13 55.06	−16 42.9	1.643	2.547	11.8	20.0
4 1	13 47.55	−16 14.9	1.602	2.564	7.6	19.8
4 11	13 38.66	−15 33.3	1.586	2.581	3.4	19.6
4 21	13 29.46	−14 42.6	1.597	2.597	2.7	19.6
5 1	13 21.04	−13 49.4	1.636	2.614	6.7	19.9
5 11	13 14.34	−13 0.5	1.700	2.631	10.7	20.1
5 21	13 9.91	−12 21.2	1.786	2.647	14.1	20.4

500322 2012 RM_{40} 4 15.3 214.°27 1.°2/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 56.53	− 8 52.3	2.282	3.120	11.5	21.5
3 22	13 51.86	− 8 8.9	2.197	3.115	8.5	21.3
4 1	13 45.50	− 7 16.8	2.137	3.110	5.1	21.0
4 11	13 38.04	− 6 20.1	2.105	3.105	1.7	20.8
4 21	13 30.22	− 5 23.6	2.102	3.099	2.9	20.9
5 1	13 22.83	− 4 32.5	2.128	3.093	6.5	21.1
5 11	13 16.60	− 3 51.2	2.180	3.086	9.9	21.3
5 21	13 12.03	− 3 22.8	2.255	3.079	12.8	21.5

92752 2000 QQ_{112} 4 15.3 99.°83 4.°6/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 56.28	− 1 28.4	1.852	2.711	12.8	19.3
3 22	13 51.82	+ 0 8.7	1.795	2.723	9.4	19.1
4 1	13 45.48	+ 1 49.9	1.764	2.735	6.2	18.9
4 11	13 38.02	+ 3 27.0	1.760	2.746	4.6	18.8
4 21	13 30.31	+ 4 51.8	1.784	2.758	6.4	19.0
5 1	13 23.27	+ 5 57.9	1.835	2.769	9.6	19.2
5 11	13 17.65	+ 6 41.7	1.910	2.780	12.8	19.4
5 21	13 13.93	+ 7 2.7	2.004	2.791	15.5	19.6

346450 2008 TQ_{23} 4 15.3 284.°23 3.°5/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 54.64	− 5 6.5	1.811	2.671	13.0	21.2
3 22	13 50.87	− 3 37.1	1.729	2.659	9.6	20.9
4 1	13 45.08	− 1 57.4	1.672	2.647	5.9	20.7
4 11	13 37.95	− 0 15.1	1.642	2.636	3.6	20.5
4 21	13 30.35	+ 1 21.2	1.639	2.624	5.6	20.6
5 1	13 23.25	+ 2 43.2	1.664	2.613	9.3	20.8
5 11	13 17.52	+ 3 44.7	1.712	2.601	13.1	21.0
5 21	13 13.75	+ 4 23.2	1.781	2.590	16.3	21.2

268104 2004 RX_{343} 4 15.3 315.°95 3.°9/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.76	−19 52.7	1.778	2.588	15.4	20.2
3 22	13 55.68	−20 21.5	1.692	2.583	12.2	19.9
4 1	13 48.15	−20 34.3	1.628	2.579	8.6	19.7
4 11	13 38.93	−20 30.6	1.590	2.575	5.1	19.5
4 21	13 29.05	−20 12.2	1.577	2.572	4.1	19.4
5 1	13 19.70	−19 43.2	1.592	2.568	7.0	19.6
5 11	13 11.98	−19 10.1	1.631	2.565	10.8	19.8
5 21	13 6.61	−18 39.2	1.693	2.561	14.4	20.0

66737 1999 TF_{119} 4 15.3 290.°60 2.°5/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.21	− 8 19.6	1.815	2.669	13.3	19.1
3 22	13 50.57	− 6 52.7	1.729	2.657	9.8	18.8
4 1	13 44.91	− 5 12.3	1.669	2.645	5.9	18.6
4 11	13 37.91	− 3 25.4	1.635	2.632	2.6	18.3
4 21	13 30.43	− 1 40.7	1.629	2.620	4.6	18.4
5 1	13 23.45	− 0 7.0	1.651	2.609	8.6	18.7
5 11	13 17.83	+ 1 8.5	1.697	2.597	12.5	18.9
5 21	13 14.17	+ 2 2.1	1.765	2.585	15.9	19.1

187073 2005 NS_{23} 4 15.3 283.°65 3.°6/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 54.10	− 1 54.0	2.231	3.086	11.1	20.1
3 22	13 50.04	− 0 43.1	2.159	3.085	8.2	19.9
4 1	13 44.37	+ 0 32.0	2.113	3.084	5.2	19.7
4 11	13 37.70	+ 1 45.1	2.094	3.084	3.6	19.6
4 21	13 30.74	+ 2 50.4	2.104	3.083	5.1	19.7
5 1	13 24.23	+ 3 42.7	2.142	3.082	8.1	19.9
5 11	13 18.87	+ 4 18.4	2.205	3.082	11.0	20.0
5 21	13 15.10	+ 4 36.3	2.289	3.081	13.6	20.2

138522 2000 NW_{19} 4 15.3 176.°89 5.°1/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.43	−31 48.7	3.146	3.862	11.4	19.8
3 22	13 53.05	−32 2.9	3.050	3.864	9.6	19.7
4 1	13 46.14	−32 1.1	2.977	3.865	7.7	19.6
4 11	13 38.24	−31 42.5	2.929	3.866	6.0	19.4
4 21	13 30.01	−31 8.1	2.908	3.867	5.1	19.4
5 1	13 22.15	−30 20.5	2.916	3.867	5.7	19.4
5 11	13 15.29	−29 24.1	2.953	3.867	7.3	19.5
5 21	13 9.93	−28 24.0	3.014	3.866	9.2	19.6

178519 1999 TM_{213} 4 15.3 230.°73 1.°1/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 55.25	−15 53.2	2.790	3.600	10.4	20.9
3 22	13 50.72	−15 31.4	2.692	3.591	8.0	20.7
4 1	13 44.74	−14 58.8	2.620	3.581	5.1	20.5
4 11	13 37.83	−14 17.5	2.575	3.571	2.1	20.3
4 21	13 30.57	−13 30.4	2.561	3.561	1.8	20.2
5 1	13 23.64	−12 41.4	2.575	3.551	4.8	20.4
5 11	13 17.65	−11 54.9	2.618	3.540	7.8	20.6
5 21	13 13.05	−11 14.6	2.685	3.529	10.4	20.7

215319 2001 TA_{119} 4 15.3 277.°32 3.°3/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 50.08	−30 33.9	4.441	5.162	8.2	19.8
3 22	13 46.50	−30 17.1	4.336	5.156	6.9	19.7
4 1	13 42.01	−29 48.3	4.254	5.151	5.4	19.5
4 11	13 36.95	−29 8.2	4.199	5.146	4.1	19.4
4 21	13 31.73	−28 18.0	4.172	5.140	3.3	19.4
5 1	13 26.75	−27 20.1	4.175	5.135	3.8	19.4
5 11	13 22.39	−26 17.5	4.207	5.129	5.1	19.5
5 21	13 18.94	−25 13.5	4.266	5.124	6.6	19.6

30486 2000 PE_{23} 4 15.3 49.°98 7.°7/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.98	−30 34.7	1.487	2.263	19.5	17.6
3 22	13 55.33	−30 57.2	1.430	2.286	16.2	17.4
4 1	13 47.93	−30 49.9	1.392	2.309	12.7	17.3
4 11	13 38.83	−30 11.6	1.375	2.333	9.4	17.2
4 21	13 29.36	−29 5.7	1.382	2.358	7.7	17.1
5 1	13 20.93	−27 40.0	1.414	2.382	8.7	17.2
5 11	13 14.64	−26 5.8	1.470	2.407	11.5	17.5
5 21	13 11.06	−24 33.8	1.548	2.432	14.6	17.7

497682 2006 SQ_{26} 4 15.3 281.°80 1.°7/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.83	−14 30.5	1.608	2.440	15.8	21.4
3 22	13 56.85	−14 41.3	1.509	2.419	12.2	21.1
4 1	13 49.11	−14 38.4	1.432	2.398	7.9	20.8
4 11	13 39.31	−14 22.7	1.379	2.376	3.3	20.5
4 21	13 28.55	−13 57.1	1.354	2.354	3.0	20.4
5 1	13 18.16	−13 26.9	1.354	2.332	7.8	20.7
5 11	13 9.45	−12 58.7	1.379	2.310	12.6	20.9
5 21	13 3.32	−12 38.4	1.426	2.288	16.9	21.1

175264 2005 JK_{112} 4 15.3 341.°27 8.°3/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 53.79	+ 3 38.5	1.113	2.003	17.0	19.3
3 22	13 51.27	+ 4 57.0	1.048	1.989	13.1	19.1
4 1	13 45.78	+ 6 16.3	1.004	1.975	9.6	18.8
4 11	13 38.26	+ 7 24.0	0.981	1.963	8.3	18.7
4 21	13 30.01	+ 8 8.8	0.981	1.952	10.6	18.8
5 1	13 22.54	+ 8 22.6	1.001	1.943	14.7	19.0
5 11	13 17.14	+ 8 2.7	1.040	1.936	18.9	19.2
5 21	13 14.61	+ 7 11.8	1.094	1.930	22.7	19.4

332537 2008 PD_{11} 4 15.3 204.°07 0.°9/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 56.58	−16 39.3	2.237	3.053	12.5	21.4
3 22	13 51.99	−15 51.5	2.147	3.049	9.5	21.2
4 1	13 45.62	−14 48.4	2.082	3.045	6.0	21.0
4 11	13 38.11	−13 33.3	2.044	3.041	2.3	20.7
4 21	13 30.24	−12 11.2	2.035	3.036	2.1	20.7
5 1	13 22.83	−10 48.6	2.056	3.031	5.8	20.9
5 11	13 16.65	− 9 31.9	2.104	3.025	9.4	21.1
5 21	13 12.20	− 8 26.4	2.175	3.019	12.5	21.3

347252 2011 KD_8 4 15.3 259.°45 0.°9/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.84	−15 16.2	2.203	3.024	12.5	21.4
3 22	13 52.32	−14 49.3	2.103	3.008	9.5	21.1
4 1	13 45.91	−14 8.9	2.027	2.992	6.1	20.9
4 11	13 38.23	−13 17.4	1.979	2.976	2.3	20.6
4 21	13 30.05	−12 18.8	1.958	2.959	2.1	20.6
5 1	13 22.24	−11 18.7	1.966	2.942	6.0	20.8
5 11	13 15.62	−10 22.8	2.001	2.925	9.7	21.0
5 21	13 10.77	− 9 36.0	2.060	2.907	13.0	21.1

250405 2003 UV_{222} 4 15.3 156.°69 1.°7/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.30	−17 16.1	2.017	2.828	13.8	21.4
3 22	13 55.60	−16 57.3	1.939	2.836	10.6	21.2
4 1	13 47.85	−16 23.2	1.884	2.843	6.9	21.0
4 11	13 38.80	−15 36.3	1.855	2.850	3.1	20.7
4 21	13 29.37	−14 40.6	1.855	2.856	2.5	20.7
5 1	13 20.55	−13 41.9	1.884	2.861	6.2	20.9
5 11	13 13.22	−12 46.7	1.940	2.865	9.9	21.2
5 21	13 7.93	−12 0.1	2.020	2.869	13.1	21.4

387574 2001 TN_{21} 4 15.3 156.°29 2.°5/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.76	− 2 10.1	2.723	3.563	9.8	21.5
3 22	13 52.42	− 1 39.4	2.651	3.569	7.2	21.3
4 1	13 45.69	− 1 6.6	2.605	3.575	4.5	21.1
4 11	13 38.11	− 0 35.3	2.588	3.581	2.5	21.0
4 21	13 30.29	− 0 9.0	2.600	3.586	3.7	21.1
5 1	13 22.91	+ 0 9.2	2.642	3.591	6.3	21.3
5 11	13 16.54	+ 0 17.2	2.711	3.595	9.0	21.4
5 21	13 11.59	+ 0 14.0	2.803	3.599	11.3	21.6

372529 2009 ST_{358} 4 15.3 187.°79 4.°7/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.33	−23 34.9	2.035	2.818	14.7	20.7
3 22	13 56.63	−24 4.7	1.947	2.817	11.9	20.5
4 1	13 48.64	−24 17.4	1.881	2.817	8.8	20.3
4 11	13 39.10	−24 12.0	1.841	2.816	5.8	20.1
4 21	13 28.97	−23 49.8	1.828	2.815	4.8	20.1
5 1	13 19.35	−23 14.4	1.843	2.813	6.8	20.2
5 11	13 11.24	−22 32.1	1.884	2.812	9.9	20.4
5 21	13 5.31	−21 49.4	1.948	2.809	13.0	20.6

519636 2012 UV_{182} 4 15.3 161.°17 0.°1/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.93	−11 20.6	2.420	3.248	11.2	21.9
3 22	13 52.06	−10 57.3	2.340	3.251	8.4	21.7
4 1	13 45.59	−10 25.2	2.284	3.254	5.1	21.5
4 11	13 38.11	− 9 47.2	2.257	3.256	1.5	21.2
4 21	13 30.33	− 9 7.0	2.259	3.259	2.1	21.3
5 1	13 22.99	− 8 28.8	2.289	3.261	5.6	21.5
5 11	13 16.77	− 7 56.8	2.347	3.262	8.8	21.7
5 21	13 12.14	− 7 33.7	2.429	3.264	11.6	21.9

479194 2013 CR_{72} 4 15.3 247.°98 5.°6/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.66	−30 18.5	2.547	3.288	13.1	21.0
3 22	13 52.08	−30 32.6	2.452	3.286	11.0	20.8
4 1	13 45.72	−30 28.1	2.379	3.283	8.7	20.7
4 11	13 38.18	−30 4.3	2.330	3.280	6.6	20.5
4 21	13 30.21	−29 22.3	2.308	3.277	5.6	20.4
5 1	13 22.66	−28 25.7	2.314	3.274	6.4	20.5
5 11	13 16.29	−27 20.1	2.346	3.271	8.4	20.6
5 21	13 11.65	−26 11.7	2.403	3.268	10.8	20.8

375829 2009 UB_{86} 4 15.3 212.°41 0.°2/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.62	−12 5.6	2.253	3.076	12.2	23.1
3 22	13 55.01	−11 48.5	2.160	3.068	9.2	22.9
4 1	13 47.51	−11 21.3	2.092	3.060	5.7	22.7
4 11	13 38.73	−10 46.6	2.052	3.051	1.8	22.4
4 21	13 29.49	−10 8.0	2.041	3.042	2.2	22.4
5 1	13 20.67	− 9 30.0	2.060	3.032	6.1	22.7
5 11	13 13.09	− 8 57.4	2.106	3.021	9.7	22.9
5 21	13 7.32	− 8 33.7	2.175	3.010	12.8	23.0

337914 2001 XW_{128} 4 15.3 91.°69 1.°2/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.58	− 8 7.3	2.377	3.214	11.1	21.2
3 22	13 51.69	− 7 31.4	2.314	3.232	8.1	21.0
4 1	13 45.29	− 6 48.8	2.277	3.249	4.8	20.9
4 11	13 38.00	− 6 3.5	2.267	3.266	1.6	20.7
4 21	13 30.51	− 5 19.8	2.287	3.283	2.8	20.8
5 1	13 23.55	− 4 41.7	2.336	3.300	6.0	21.0
5 11	13 17.76	− 4 12.9	2.411	3.317	9.1	21.2
5 21	13 13.53	− 3 55.2	2.510	3.333	11.7	21.4

523537 2017 QT_3 4 15.3 280.°00 3.°1/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.03	− 6 13.1	1.581	2.441	14.6	21.4
3 22	13 52.99	− 5 6.4	1.498	2.428	10.8	21.1
4 1	13 46.56	− 3 48.4	1.438	2.414	6.6	20.8
4 11	13 38.50	− 2 26.0	1.404	2.401	3.2	20.6
4 21	13 29.81	− 1 7.7	1.397	2.388	5.2	20.6
5 1	13 21.68	− 0 2.2	1.415	2.374	9.6	20.9
5 11	13 15.16	+ 0 44.2	1.457	2.361	13.9	21.1
5 21	13 10.94	+ 1 8.3	1.518	2.347	17.7	21.3

209534 2004 TM_{323} 4 15.3 44.°05 2.°5/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.23	− 5 38.1	1.172	2.041	17.9	19.6
3 22	13 57.14	− 5 22.5	1.123	2.056	13.2	19.4
4 1	13 49.09	− 4 59.4	1.095	2.072	8.0	19.1
4 11	13 39.23	− 4 34.9	1.090	2.089	3.0	18.9
4 21	13 29.02	− 4 15.5	1.109	2.106	4.8	19.1
5 1	13 19.95	− 4 6.9	1.153	2.124	9.9	19.4
5 11	13 13.21	− 4 13.1	1.218	2.142	14.5	19.7
5 21	13 9.39	− 4 35.1	1.303	2.161	18.4	20.0

55120 2001 QP_{168} 4 15.3 244.°33 2.°6/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.71	− 4 45.6	2.353	3.201	10.8	19.4
3 22	13 50.49	− 3 44.3	2.269	3.193	8.0	19.2
4 1	13 44.69	− 2 36.9	2.211	3.185	4.9	19.0
4 11	13 37.86	− 1 28.3	2.182	3.177	2.6	18.8
4 21	13 30.69	− 0 23.9	2.181	3.168	4.1	18.9
5 1	13 23.92	+ 0 30.9	2.209	3.160	7.2	19.0
5 11	13 18.23	+ 1 12.3	2.262	3.151	10.3	19.2
5 21	13 14.09	+ 1 38.0	2.338	3.142	13.0	19.4

256707 2008 AU_{21} 4 15.4 172.°23 2.°2/13.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.69	− 5 49.1	2.138	2.977	12.1	21.9
3 22	13 54.99	− 5 2.6	2.063	2.982	8.9	21.7
4 1	13 47.43	− 4 9.5	2.013	2.985	5.4	21.5
4 11	13 38.71	− 3 14.8	1.991	2.988	2.4	21.3
4 21	13 29.65	− 2 23.5	1.998	2.990	3.8	21.4
5 1	13 21.14	− 1 41.0	2.034	2.991	7.4	21.7
5 11	13 13.97	− 1 11.1	2.097	2.991	10.7	21.9
5 21	13 8.64	− 0 55.8	2.181	2.991	13.7	22.1

222643 2001 XZ_{137} 4 15.4 182.°68 4.°5/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.15	−26 2.6	2.019	2.798	14.9	20.3
3 22	13 53.46	−25 46.2	1.931	2.798	12.1	20.1
4 1	13 46.67	−25 7.7	1.864	2.798	8.9	19.9
4 11	13 38.50	−24 7.6	1.823	2.798	5.8	19.7
4 21	13 29.89	−22 49.4	1.808	2.798	4.5	19.6
5 1	13 21.87	−21 19.6	1.822	2.797	6.4	19.7
5 11	13 15.32	−19 46.6	1.862	2.796	9.7	19.9
5 21	13 10.83	−18 18.3	1.926	2.794	12.9	20.1

278934 2008 UO_{13} 4 15.4 295.°39 2.°7/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.40	−11 0.8	1.768	2.617	13.8	19.8
3 22	13 50.80	− 8 40.7	1.677	2.602	10.1	19.6
4 1	13 45.12	− 5 59.2	1.612	2.588	6.0	19.3
4 11	13 38.04	− 3 5.7	1.576	2.573	2.8	19.0
4 21	13 30.47	− 0 13.0	1.570	2.559	5.2	19.1
5 1	13 23.42	+ 2 25.9	1.593	2.544	9.5	19.4
5 11	13 17.77	+ 4 40.5	1.643	2.530	13.6	19.6
5 21	13 14.15	+ 6 25.2	1.714	2.516	17.1	19.8

8801 Nugent 4 15.4 205.°07 1.°1/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.58	−15 52.5	2.512	3.326	11.3	18.8
3 22	13 51.10	−15 29.8	2.423	3.324	8.6	18.6
4 1	13 45.04	−14 55.4	2.360	3.322	5.5	18.4
4 11	13 37.98	−14 11.6	2.323	3.319	2.3	18.2
4 21	13 30.59	−13 21.8	2.316	3.317	1.9	18.2
5 1	13 23.60	−12 30.5	2.338	3.314	5.1	18.4
5 11	13 17.67	−11 42.5	2.387	3.311	8.3	18.6
5 21	13 13.28	−11 1.5	2.461	3.308	11.1	18.7

331618 2002 AL_{82} 4 15.4 120.°63 4.°9/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.12	−27 26.9	2.036	2.805	15.1	20.9
3 22	13 54.09	−27 14.8	1.957	2.816	12.4	20.7
4 1	13 46.99	−26 40.2	1.901	2.827	9.2	20.6
4 11	13 38.59	−25 43.8	1.869	2.838	6.3	20.4
4 21	13 29.84	−24 28.9	1.864	2.849	4.9	20.3
5 1	13 21.76	−23 1.8	1.887	2.859	6.5	20.5
5 11	13 15.21	−21 31.0	1.936	2.869	9.4	20.6
5 21	13 10.75	−20 4.1	2.010	2.878	12.4	20.9

266437 2007 HG_7 4 15.4 304.°68 7.°9/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.48	+ 8 49.2	1.674	2.532	14.0	19.1
3 22	13 55.45	+ 9 41.6	1.598	2.516	11.1	18.9
4 1	13 48.02	+10 28.1	1.545	2.499	8.7	18.7
4 11	13 38.96	+11 0.5	1.517	2.483	7.9	18.6
4 21	13 29.32	+11 11.9	1.514	2.467	9.5	18.7
5 1	13 20.26	+10 58.3	1.536	2.451	12.5	18.8
5 11	13 12.82	+10 19.0	1.580	2.435	15.7	19.0
5 21	13 7.69	+ 9 16.7	1.642	2.420	18.7	19.2

331542 2000 TZ_{34} 4 15.4 198.°33 0.°4/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.36	−10 23.8	2.349	3.177	11.6	22.1
3 22	13 53.96	− 9 58.2	2.262	3.174	8.6	21.9
4 1	13 46.82	− 9 24.0	2.200	3.170	5.2	21.6
4 11	13 38.54	− 8 44.1	2.166	3.165	1.6	21.4
4 21	13 29.88	− 8 2.4	2.161	3.160	2.4	21.4
5 1	13 21.65	− 7 23.5	2.186	3.155	6.0	21.7
5 11	13 14.60	− 6 51.4	2.237	3.148	9.4	21.9
5 21	13 9.25	− 6 29.3	2.313	3.141	12.4	22.0

137409 1999 TJ_{186} 4 15.4 235.°22 3.°9/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.47	−20 56.1	1.835	2.636	15.4	20.5
3 22	13 57.01	−21 14.0	1.741	2.626	12.3	20.2
4 1	13 49.05	−21 14.5	1.668	2.616	8.7	20.0
4 11	13 39.31	−20 57.2	1.620	2.605	5.2	19.8
4 21	13 28.83	−20 24.0	1.600	2.594	4.1	19.7
5 1	13 18.82	−19 39.4	1.607	2.582	7.1	19.8
5 11	13 10.40	−18 50.7	1.639	2.570	10.9	20.0
5 21	13 4.36	−18 4.9	1.695	2.558	14.6	20.2

246503 2008 AQ_{117} 4 15.4 285.°41 4.°0/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.70	−22 55.8	2.308	3.094	13.1	20.5
3 22	13 53.02	−23 12.6	2.208	3.081	10.5	20.3
4 1	13 46.41	−23 14.0	2.130	3.068	7.7	20.1
4 11	13 38.46	−22 59.9	2.078	3.055	5.0	19.9
4 21	13 29.96	−22 31.7	2.053	3.042	4.0	19.8
5 1	13 21.81	−21 52.8	2.056	3.029	6.0	19.9
5 11	13 14.85	−21 8.7	2.086	3.016	9.0	20.1
5 21	13 9.71	−20 24.9	2.140	3.003	12.0	20.3

432939 2011 XG_1 4 15.4 254.°63 12.°9/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.26	+ 6 55.4	1.006	1.896	18.4	20.3
3 22	13 54.14	+10 37.4	0.954	1.888	14.9	20.0
4 1	13 47.69	+14 22.3	0.925	1.879	13.0	19.9
4 11	13 38.94	+17 45.3	0.918	1.869	13.9	19.9
4 21	13 29.40	+20 24.7	0.934	1.860	17.1	20.0
5 1	13 20.81	+22 7.6	0.969	1.850	21.0	20.2
5 11	13 14.61	+22 52.4	1.019	1.840	24.8	20.4
5 21	13 11.60	+22 45.7	1.080	1.830	28.0	20.6

161240 2003 BK_9 4 15.4 268.°21 4.°2/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.88	−24 35.2	2.287	3.066	13.4	19.9
3 22	13 52.38	−24 40.0	2.191	3.060	10.8	19.7
4 1	13 45.99	−24 27.5	2.119	3.053	8.0	19.5
4 11	13 38.33	−23 57.6	2.071	3.046	5.3	19.3
4 21	13 30.19	−23 12.5	2.051	3.039	4.2	19.3
5 1	13 22.47	−22 16.4	2.059	3.032	6.0	19.3
5 11	13 15.99	−21 15.4	2.093	3.025	8.9	19.5
5 21	13 11.32	−20 15.5	2.152	3.018	11.8	19.7

367167 2006 WR_{55} 4 15.4 117.°66 2.°3/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.02	− 5 13.4	2.001	2.844	12.7	21.5
3 22	13 55.21	− 4 32.4	1.941	2.862	9.3	21.3
4 1	13 47.53	− 3 46.0	1.906	2.879	5.6	21.1
4 11	13 38.74	− 2 59.1	1.898	2.895	2.5	21.0
4 21	13 29.73	− 2 16.9	1.920	2.911	4.0	21.1
5 1	13 21.42	− 1 44.2	1.969	2.927	7.5	21.3
5 11	13 14.55	− 1 24.3	2.044	2.942	10.8	21.6
5 21	13 9.62	− 1 18.7	2.142	2.956	13.7	21.8

74052 1998 JB_1 4 15.4 294.°69 2.°9/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.78	− 4 34.5	1.473	2.333	15.4	18.6
3 22	13 56.04	− 4 10.3	1.390	2.318	11.6	18.3
4 1	13 48.57	− 3 39.5	1.329	2.304	7.1	18.1
4 11	13 39.19	− 3 7.3	1.292	2.290	3.2	17.8
4 21	13 29.04	− 2 40.1	1.281	2.275	5.0	17.8
5 1	13 19.47	− 2 24.0	1.296	2.261	9.7	18.1
5 11	13 11.68	− 2 23.5	1.334	2.248	14.3	18.3
5 21	13 6.49	− 2 40.5	1.392	2.234	18.3	18.5

174064 2002 DM_{15} 4 15.4 218.°65 5.°1/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.85	+ 5 18.1	2.632	3.484	9.7	20.2
3 22	13 49.69	+ 6 42.1	2.562	3.479	7.5	20.1
4 1	13 44.14	+ 8 5.1	2.518	3.474	5.6	20.0
4 11	13 37.71	+ 9 21.2	2.503	3.469	5.2	19.9
4 21	13 31.02	+10 25.1	2.516	3.463	6.5	20.0
5 1	13 24.70	+11 12.7	2.557	3.458	8.7	20.1
5 11	13 19.34	+11 41.8	2.622	3.452	11.0	20.3
5 21	13 15.35	+11 52.1	2.707	3.446	13.0	20.4

496224 2011 WU_{109} 4 15.4 331.°44 2.°3/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.91	−17 49.6	1.217	2.067	18.6	20.8
3 22	13 52.14	−17 27.6	1.138	2.056	14.5	20.5
4 1	13 46.40	−16 40.6	1.078	2.046	9.6	20.1
4 11	13 38.55	−15 31.3	1.040	2.037	4.3	19.8
4 21	13 29.89	−14 6.4	1.026	2.028	3.3	19.7
5 1	13 21.93	−12 36.8	1.036	2.020	8.7	20.0
5 11	13 16.05	−11 14.6	1.068	2.013	14.0	20.3
5 21	13 13.06	−10 8.8	1.119	2.007	18.7	20.5

141083 2001 XE_{35} 4 15.4 166.°63 3.°5/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.40	−23 22.0	2.600	3.377	12.0	20.5
3 22	13 52.47	−23 24.7	2.511	3.379	9.6	20.4
4 1	13 45.90	−23 12.6	2.445	3.382	7.0	20.2
4 11	13 38.28	−22 46.2	2.406	3.384	4.5	20.0
4 21	13 30.30	−22 7.7	2.396	3.385	3.5	20.0
5 1	13 22.73	−21 20.7	2.414	3.387	5.3	20.1
5 11	13 16.28	−20 30.2	2.460	3.388	7.9	20.3
5 21	13 11.44	−19 41.2	2.530	3.389	10.5	20.4

458994 2011 WV_{126} 4 15.4 151.°83 2.°0/17.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.09	−18 10.0	1.928	2.737	14.4	23.0
3 22	13 56.29	−17 46.7	1.851	2.747	11.1	22.8
4 1	13 48.35	−17 6.6	1.798	2.756	7.3	22.6
4 11	13 39.04	−16 12.1	1.771	2.764	3.4	22.4
4 21	13 29.36	−15 7.8	1.772	2.772	2.6	22.3
5 1	13 20.35	−14 0.2	1.802	2.779	6.3	22.6
5 11	13 12.91	−12 56.4	1.859	2.785	10.2	22.8
5 21	13 7.63	−12 2.0	1.939	2.790	13.5	23.0

151445 2002 GW_{49} 4 15.4 232.°56 6.°8/22.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.31	−32 59.9	2.627	3.343	13.3	20.2
3 22	13 54.92	−33 45.7	2.531	3.340	11.5	20.0
4 1	13 47.56	−34 13.8	2.456	3.336	9.5	19.9
4 11	13 38.83	−34 21.8	2.406	3.333	7.7	19.8
4 21	13 29.55	−34 9.6	2.381	3.329	6.8	19.7
5 1	13 20.63	−33 39.2	2.384	3.326	7.3	19.7
5 11	13 12.92	−32 55.5	2.413	3.322	8.9	19.8
5 21	13 7.05	−32 4.3	2.466	3.318	11.0	19.9

503146 2015 GT_{21} 4 15.4 147.°70 1.°0/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.94	− 9 12.0	2.177	3.015	11.9	21.7
3 22	13 52.23	− 8 34.6	2.101	3.019	8.8	21.5
4 1	13 45.78	− 7 48.6	2.050	3.022	5.3	21.3
4 11	13 38.24	− 6 58.1	2.026	3.025	1.7	21.0
4 21	13 30.38	− 6 7.7	2.031	3.028	2.8	21.1
5 1	13 23.03	− 5 22.5	2.064	3.031	6.5	21.4
5 11	13 16.91	− 4 46.9	2.124	3.034	9.9	21.6
5 21	13 12.52	− 4 23.7	2.206	3.037	12.8	21.8

481381 2006 OS_5 4 15.4 288.°87 10.°8/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 8.59	−47 27.2	2.833	3.419	14.8	24.1
3 22	14 1.91	−48 24.4	2.687	3.371	13.8	23.9
4 1	13 52.34	−49 0.1	2.558	3.322	12.7	23.7
4 11	13 40.47	−49 8.6	2.449	3.271	11.6	23.5
4 21	13 27.27	−48 45.5	2.363	3.219	10.9	23.4
5 1	13 14.09	−47 49.8	2.301	3.167	10.9	23.3
5 11	13 2.30	−46 25.1	2.263	3.113	11.8	23.3
5 21	12 52.95	−44 38.9	2.249	3.057	13.3	23.3

168352 1995 VV_3 4 15.4 69.°10 2.°7/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.78	− 3 6.5	2.182	3.031	11.5	20.5
3 22	13 52.03	− 2 30.0	2.116	3.040	8.5	20.3
4 1	13 45.61	− 1 50.1	2.076	3.049	5.2	20.1
4 11	13 38.18	− 1 11.4	2.063	3.057	2.8	20.0
4 21	13 30.49	− 0 38.5	2.078	3.066	4.2	20.1
5 1	13 23.34	− 0 15.3	2.121	3.075	7.3	20.3
5 11	13 17.42	− 0 4.7	2.190	3.084	10.4	20.5
5 21	13 13.18	− 0 7.5	2.281	3.093	13.1	20.7

370825 2004 VX_{18} 4 15.4 228.°81 2.°6/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.64	−21 22.2	2.082	2.883	13.8	20.2
3 22	13 52.26	−20 45.7	1.989	2.877	10.8	20.0
4 1	13 45.93	−19 49.7	1.919	2.871	7.4	19.7
4 11	13 38.32	−18 36.2	1.876	2.865	3.9	19.5
4 21	13 30.27	−17 10.0	1.860	2.858	2.9	19.4
5 1	13 22.72	−15 37.7	1.873	2.851	6.0	19.6
5 11	13 16.50	−14 7.4	1.913	2.844	9.6	19.8
5 21	13 12.19	−12 46.0	1.977	2.837	12.9	20.0

338119 2002 QU_{70} 4 15.4 276.°47 1.°1/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.55	− 9 0.8	2.010	2.853	12.6	21.1
3 22	13 52.17	− 8 24.3	1.925	2.845	9.3	20.9
4 1	13 45.87	− 7 38.2	1.864	2.837	5.6	20.7
4 11	13 38.31	− 6 46.9	1.830	2.830	1.8	20.4
4 21	13 30.30	− 5 55.3	1.824	2.822	3.1	20.5
5 1	13 22.76	− 5 9.1	1.846	2.814	7.0	20.7
5 11	13 16.50	− 4 33.3	1.893	2.806	10.8	20.9
5 21	13 12.11	− 4 11.0	1.963	2.798	14.0	21.1

264763 2002 EY_{107} 4 15.4 65.°51 5.°2/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.05	−26 18.3	1.716	2.503	16.8	20.2
3 22	13 54.31	−26 16.7	1.651	2.522	13.6	20.0
4 1	13 47.23	−25 50.9	1.606	2.541	10.1	19.8
4 11	13 38.71	−25 1.8	1.585	2.559	6.7	19.6
4 21	13 29.86	−23 53.1	1.590	2.578	5.2	19.6
5 1	13 21.83	−22 32.2	1.622	2.597	7.1	19.7
5 11	13 15.58	−21 8.2	1.679	2.616	10.3	20.0
5 21	13 11.65	−19 49.3	1.759	2.635	13.5	20.2

192873 1999 XJ_{27} 4 15.4 182.°71 4.°0/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.58	+ 1 53.9	2.436	3.280	10.7	20.2
3 22	13 53.98	+ 2 35.2	2.363	3.281	8.0	20.0
4 1	13 46.77	+ 3 16.4	2.316	3.281	5.4	19.8
4 11	13 38.55	+ 3 52.7	2.297	3.281	4.0	19.8
4 21	13 30.04	+ 4 20.0	2.307	3.280	5.3	19.8
5 1	13 22.00	+ 4 34.8	2.345	3.278	7.9	20.0
5 11	13 15.11	+ 4 35.3	2.410	3.276	10.6	20.2
5 21	13 9.83	+ 4 21.2	2.496	3.274	13.0	20.3

223246 2003 FQ_{36} 4 15.4 245.°70 0.°1/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.39	−12 5.9	1.984	2.817	13.2	20.9
3 22	13 53.63	−11 36.8	1.892	2.806	9.9	20.7
4 1	13 46.83	−10 55.6	1.825	2.795	6.1	20.4
4 11	13 38.63	−10 5.6	1.784	2.784	1.9	20.1
4 21	13 29.91	− 9 11.6	1.772	2.772	2.5	20.1
5 1	13 21.63	− 8 19.4	1.787	2.760	6.8	20.4
5 11	13 14.71	− 7 34.9	1.829	2.748	10.7	20.6
5 21	13 9.74	− 7 2.2	1.893	2.735	14.2	20.8

235198 2003 SL_{148} 4 15.4 199.°98 5.°5/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.08	+ 6 24.7	2.508	3.356	10.3	20.9
3 22	13 52.13	+ 7 38.9	2.438	3.352	8.0	20.7
4 1	13 45.65	+ 8 51.0	2.394	3.348	6.1	20.6
4 11	13 38.21	+ 9 55.0	2.379	3.343	5.6	20.6
4 21	13 30.48	+10 45.7	2.391	3.337	6.9	20.6
5 1	13 23.17	+11 19.1	2.431	3.331	9.1	20.8
5 11	13 16.93	+11 33.6	2.495	3.325	11.5	20.9
5 21	13 12.21	+11 29.4	2.580	3.318	13.6	21.0

212567 2006 SW_{85} 4 15.4 292.°36 0.°8/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.42	−10 57.9	2.183	3.022	11.9	20.8
3 22	13 50.42	−10 6.3	2.100	3.018	8.8	20.6
4 1	13 44.72	− 9 3.7	2.043	3.015	5.3	20.4
4 11	13 37.94	− 7 54.4	2.012	3.012	1.6	20.1
4 21	13 30.82	− 6 43.9	2.010	3.009	2.7	20.2
5 1	13 24.15	− 5 38.2	2.037	3.006	6.4	20.4
5 11	13 18.65	− 4 42.5	2.090	3.003	9.9	20.6
5 21	13 14.81	− 4 0.4	2.166	3.000	12.9	20.8

48974 1998 QS_{39} 4 15.4 289.°17 2.°5/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.51	− 6 30.3	1.564	2.421	14.8	19.2
3 22	13 54.28	− 5 47.0	1.472	2.400	11.1	18.9
4 1	13 47.50	− 4 53.2	1.404	2.379	6.8	18.6
4 11	13 38.90	− 3 54.4	1.360	2.358	2.8	18.3
4 21	13 29.52	− 2 58.0	1.343	2.337	4.7	18.4
5 1	13 20.60	− 2 11.4	1.352	2.316	9.4	18.6
5 11	13 13.30	− 1 41.0	1.384	2.295	14.0	18.8
5 21	13 8.41	− 1 30.1	1.435	2.274	18.0	19.0

173792 2001 SY_{133} 4 15.4 80.°65 1.°3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.31	−10 2.4	2.218	3.056	11.7	20.1
3 22	13 50.86	− 8 51.2	2.158	3.077	8.6	19.9
4 1	13 44.86	− 7 30.5	2.124	3.097	5.1	19.7
4 11	13 37.95	− 6 5.9	2.118	3.118	1.7	19.5
4 21	13 30.88	− 4 43.4	2.142	3.138	3.0	19.6
5 1	13 24.39	− 3 29.0	2.195	3.158	6.4	19.9
5 11	13 19.11	− 2 27.5	2.274	3.178	9.6	20.1
5 21	13 15.45	− 1 41.5	2.376	3.197	12.3	20.3

347613 2001 RJ_{150} 4 15.4 248.°26 2.°9/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.39	− 6 21.4	1.592	2.445	14.8	21.3
3 22	13 55.58	− 5 22.2	1.505	2.431	11.0	21.0
4 1	13 48.23	− 4 11.7	1.441	2.416	6.7	20.7
4 11	13 39.11	− 2 56.4	1.403	2.400	3.1	20.4
4 21	13 29.29	− 1 44.4	1.392	2.384	5.0	20.5
5 1	13 20.00	− 0 44.1	1.407	2.367	9.6	20.7
5 11	13 12.37	− 0 1.9	1.447	2.350	14.1	21.0
5 21	13 7.16	+ 0 19.1	1.506	2.332	17.9	21.2

3681 Boyan 4 15.4 278.°40 3.°1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.50	− 6 6.5	1.446	2.307	15.6	16.9
3 22	13 55.21	− 5 12.5	1.357	2.286	11.7	16.6
4 1	13 48.17	− 4 6.5	1.290	2.266	7.2	16.3
4 11	13 39.13	− 2 55.2	1.247	2.245	3.3	16.0
4 21	13 29.24	− 1 47.3	1.231	2.224	5.4	16.0
5 1	13 19.84	− 0 51.5	1.240	2.202	10.3	16.2
5 11	13 12.21	− 0 15.0	1.271	2.181	15.2	16.5
5 21	13 7.18	− 0 1.2	1.322	2.159	19.4	16.7

17754 1998 DN_{8} 4 15.4 245.°49 3.°6/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.77	−22 56.1	2.518	3.298	12.2	18.4
3 22	13 52.91	−23 3.3	2.417	3.288	9.9	18.2
4 1	13 46.28	−22 55.7	2.339	3.277	7.1	18.0
4 11	13 38.46	−22 33.5	2.288	3.266	4.6	17.9
4 21	13 30.16	−21 58.5	2.264	3.255	3.6	17.8
5 1	13 22.20	−21 14.1	2.270	3.243	5.5	17.9
5 11	13 15.35	−20 25.6	2.303	3.231	8.3	18.0
5 21	13 10.17	−19 37.9	2.360	3.219	11.1	18.2

470026 2006 RD_{102} 4 15.4 188.°91 0.°5/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.15	−10 55.9	2.665	3.494	10.3	21.8
3 22	13 50.66	−10 10.7	2.580	3.493	7.6	21.6
4 1	13 44.75	− 9 16.7	2.521	3.492	4.6	21.4
4 11	13 37.94	− 8 17.3	2.490	3.490	1.4	21.2
4 21	13 30.86	− 7 16.8	2.490	3.488	2.2	21.2
5 1	13 24.16	− 6 19.6	2.518	3.486	5.4	21.5
5 11	13 18.44	− 5 30.0	2.575	3.483	8.4	21.6
5 21	13 14.13	− 4 51.0	2.655	3.481	11.1	21.8

502978 2015 FA_{51} 4 15.4 111.°17 8.°0/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.72	+ 8 43.1	1.890	2.751	12.5	20.7
3 22	13 51.50	+10 51.3	1.841	2.757	10.0	20.6
4 1	13 45.40	+12 54.8	1.817	2.763	8.3	20.5
4 11	13 38.15	+14 43.4	1.820	2.768	8.3	20.5
4 21	13 30.62	+16 8.9	1.850	2.774	10.0	20.6
5 1	13 23.71	+17 6.3	1.904	2.779	12.5	20.8
5 11	13 18.18	+17 34.2	1.979	2.785	14.9	20.9
5 21	13 14.53	+17 34.7	2.072	2.790	17.1	21.1

389786 2011 UW_{53} 4 15.4 295.°92 1.°9/17.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.87	−17 44.0	2.154	2.969	12.9	21.1
3 22	13 51.80	−17 26.1	2.042	2.941	10.1	20.8
4 1	13 45.77	−16 52.8	1.955	2.914	6.7	20.6
4 11	13 38.34	−16 5.7	1.893	2.887	3.2	20.3
4 21	13 30.28	−15 8.0	1.859	2.859	2.5	20.2
5 1	13 22.51	−14 5.1	1.853	2.831	6.0	20.4
5 11	13 15.91	−13 3.4	1.874	2.804	9.9	20.5
5 21	13 11.13	−12 8.7	1.918	2.776	13.4	20.7

56802 2000 PZ_{9} 4 15.4 302.°19 0.°8/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.70	−11 30.5	1.613	2.454	15.3	19.1
3 22	13 56.77	−11 47.6	1.515	2.431	11.7	18.8
4 1	13 49.12	−11 54.9	1.439	2.409	7.4	18.5
4 11	13 39.45	−11 53.8	1.388	2.386	2.6	18.2
4 21	13 28.82	−11 46.9	1.363	2.364	2.8	18.1
5 1	13 18.54	−11 38.6	1.365	2.342	7.9	18.4
5 11	13 9.89	−11 34.0	1.391	2.321	12.6	18.6
5 21	13 3.77	−11 37.5	1.439	2.299	16.9	18.8

204121 2003 WB_{192} 4 15.4 174.°70 5.°0/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.58	−28 4.0	2.383	3.139	13.5	20.5
3 22	13 53.58	−28 9.1	2.293	3.141	11.2	20.3
4 1	13 46.69	−27 55.2	2.225	3.142	8.6	20.1
4 11	13 38.58	−27 22.0	2.181	3.143	6.1	20.0
4 21	13 30.05	−26 31.3	2.165	3.144	5.0	19.9
5 1	13 22.01	−25 27.5	2.177	3.144	6.2	20.0
5 11	13 15.25	−24 16.9	2.216	3.144	8.7	20.1
5 21	13 10.33	−23 5.9	2.280	3.144	11.3	20.3

404156 2013 CS_{46} 4 15.4 313.°86 1.°7/16.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.95	−13 36.5	1.269	2.118	18.1	21.3
3 22	13 57.40	−13 54.7	1.190	2.109	13.9	21.0
4 1	13 49.66	−13 58.0	1.131	2.101	9.0	20.7
4 11	13 39.63	−13 47.6	1.095	2.093	3.6	20.3
4 21	13 28.65	−13 27.2	1.083	2.085	3.3	20.3
5 1	13 18.35	−13 3.0	1.096	2.077	8.8	20.6
5 11	13 10.21	−12 42.3	1.132	2.070	14.0	20.8
5 21	13 5.13	−12 31.3	1.187	2.063	18.6	21.1

104527 2000 GS_{51} 4 15.4 263.°88 0.°9/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.75	− 7 46.5	2.128	2.965	12.2	20.0
3 22	13 54.46	− 7 40.0	2.043	2.960	9.1	19.8
4 1	13 47.25	− 7 27.2	1.982	2.954	5.5	19.6
4 11	13 38.77	− 7 11.0	1.949	2.949	1.7	19.3
4 21	13 29.84	− 6 54.9	1.945	2.943	2.7	19.4
5 1	13 21.37	− 6 42.6	1.969	2.938	6.6	19.6
5 11	13 14.18	− 6 37.4	2.019	2.932	10.2	19.8
5 21	13 8.84	− 6 41.8	2.092	2.927	13.3	20.0

169271 2001 SX_{204} 4 15.4 11.°06 2.°8/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.47	− 5 20.1	1.993	2.847	12.2	19.9
3 22	13 50.55	− 4 15.3	1.921	2.848	9.0	19.7
4 1	13 44.84	− 3 3.3	1.874	2.849	5.5	19.5
4 11	13 38.01	− 1 50.1	1.854	2.850	2.8	19.3
4 21	13 30.85	− 0 42.2	1.862	2.851	4.5	19.4
5 1	13 24.21	+ 0 14.5	1.897	2.852	7.9	19.6
5 11	13 18.84	+ 0 55.5	1.958	2.854	11.3	19.8
5 21	13 15.23	+ 1 18.7	2.039	2.856	14.2	20.0

388284 2006 SY_{12} 4 15.4 144.°12 2.°6/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.12	− 2 45.2	2.923	3.764	9.1	22.8
3 22	13 50.43	− 1 40.7	2.856	3.776	6.7	22.7
4 1	13 44.51	− 0 33.1	2.816	3.787	4.2	22.5
4 11	13 37.87	+ 0 33.2	2.806	3.797	2.6	22.4
4 21	13 31.05	+ 1 33.9	2.826	3.807	3.9	22.5
5 1	13 24.63	+ 2 25.0	2.876	3.816	6.3	22.7
5 11	13 19.11	+ 3 3.9	2.953	3.825	8.7	22.9
5 21	13 14.87	+ 3 29.3	3.053	3.834	10.8	23.0

21788 1999 SZ_{5} 4 15.4 144.°34 6.°5/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.71	+ 6 57.7	2.231	3.078	11.4	19.0
3 22	13 54.12	+ 8 49.4	2.181	3.093	8.9	18.8
4 1	13 46.86	+10 37.7	2.158	3.107	7.0	18.7
4 11	13 38.61	+12 14.5	2.164	3.120	6.6	18.7
4 21	13 30.15	+13 33.1	2.199	3.132	8.1	18.9
5 1	13 22.30	+14 29.0	2.260	3.143	10.4	19.0
5 11	13 15.73	+15 0.8	2.345	3.154	12.8	19.2
5 21	13 10.91	+15 9.5	2.449	3.163	14.8	19.4

214451 2005 SL_{56} 4 15.4 272.°69 0.°4/14.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.81	−10 34.0	2.452	3.283	11.0	21.5
3 22	13 51.41	−10 5.1	2.351	3.265	8.2	21.3
4 1	13 45.36	− 9 27.1	2.276	3.247	5.0	21.1
4 11	13 38.20	− 8 43.0	2.228	3.228	1.5	20.8
4 21	13 30.59	− 7 56.8	2.210	3.209	2.3	20.8
5 1	13 23.30	− 7 12.9	2.220	3.190	5.9	21.0
5 11	13 17.04	− 6 35.8	2.257	3.171	9.2	21.2
5 21	13 12.31	− 6 8.6	2.318	3.151	12.2	21.4

319587 2006 SA_{126} 4 15.4 153.°54 2.°5/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.12	− 5 34.5	1.945	2.790	12.9	21.4
3 22	13 54.73	− 4 45.5	1.875	2.797	9.5	21.2
4 1	13 47.38	− 3 49.7	1.830	2.803	5.7	21.0
4 11	13 38.80	− 2 52.5	1.812	2.809	2.6	20.8
4 21	13 29.89	− 1 59.9	1.823	2.815	4.2	20.9
5 1	13 21.60	− 1 17.3	1.862	2.819	7.9	21.2
5 11	13 14.75	− 0 48.8	1.926	2.824	11.4	21.4
5 21	13 9.88	− 0 36.2	2.012	2.828	14.4	21.6

196832 2003 SA_{246} 4 15.4 6.°23 0.°4/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.69	−10 39.2	1.916	2.756	13.3	20.1
3 22	13 53.07	−10 13.7	1.839	2.756	9.9	19.9
4 1	13 46.46	− 9 37.8	1.784	2.756	6.0	19.6
4 11	13 38.54	− 8 55.1	1.757	2.757	1.8	19.3
4 21	13 30.21	− 8 10.6	1.757	2.757	2.6	19.4
5 1	13 22.43	− 7 29.5	1.785	2.757	6.8	19.7
5 11	13 16.04	− 6 57.1	1.838	2.757	10.7	19.9
5 21	13 11.62	− 6 36.6	1.913	2.757	14.0	20.1

83749 2001 TO_{137} 4 15.4 141.°48 4.°9/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.90	+ 4 28.1	2.488	3.338	10.2	19.8
3 22	13 51.22	+ 5 34.8	2.427	3.345	7.8	19.6
4 1	13 45.08	+ 6 40.0	2.392	3.352	5.7	19.5
4 11	13 38.07	+ 7 38.1	2.386	3.358	4.9	19.4
4 21	13 30.84	+ 8 24.2	2.407	3.364	6.2	19.5
5 1	13 24.07	+ 8 54.7	2.456	3.370	8.5	19.7
5 11	13 18.38	+ 9 8.0	2.530	3.375	10.8	19.8
5 21	13 14.17	+ 9 4.2	2.625	3.381	13.0	20.0

178649 2000 KQ_{65} 4 15.4 310.°48 1.°6/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.01	−12 43.5	1.497	2.352	15.5	19.2
3 22	13 50.23	−11 4.9	1.405	2.333	11.6	18.9
4 1	13 45.03	− 9 2.8	1.337	2.314	6.9	18.6
4 11	13 38.17	− 6 44.6	1.295	2.295	2.2	18.2
4 21	13 30.65	− 4 21.8	1.279	2.276	4.3	18.3
5 1	13 23.65	− 2 7.4	1.290	2.258	9.4	18.5
5 11	13 18.25	− 0 13.3	1.325	2.240	14.3	18.8
5 21	13 15.18	+ 1 13.7	1.381	2.223	18.4	19.0

131581 2001 VG_{121} 4 15.4 262.°46 0.°6/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 49.61	−14 47.1	4.476	5.283	6.8	20.5
3 22	13 46.13	−14 31.7	4.382	5.280	5.2	20.4
4 1	13 41.85	−14 10.2	4.315	5.276	3.3	20.2
4 11	13 37.06	−13 44.2	4.276	5.272	1.3	20.1
4 21	13 32.11	−13 15.4	4.268	5.269	1.1	20.0
5 1	13 27.36	−12 45.7	4.290	5.265	3.1	20.2
5 11	13 23.13	−12 17.4	4.341	5.261	5.0	20.3
5 21	13 19.70	−11 52.3	4.417	5.258	6.7	20.4

275512 1995 YX_5 4 15.4 291.°71 6.°1/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.19	+ 5 10.1	1.819	2.675	13.1	20.5
3 22	13 55.03	+ 5 54.5	1.745	2.665	10.1	20.3
4 1	13 47.71	+ 6 36.0	1.694	2.656	7.3	20.1
4 11	13 38.95	+ 7 7.9	1.669	2.646	6.1	20.0
4 21	13 29.71	+ 7 24.6	1.671	2.637	7.6	20.1
5 1	13 21.05	+ 7 21.9	1.699	2.628	10.6	20.2
5 11	13 13.88	+ 6 58.5	1.750	2.618	13.8	20.4
5 21	13 8.82	+ 6 15.6	1.821	2.609	16.8	20.6

344463 2002 NX_{65} 4 15.4 272.°29 2.°3/17.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.65	−19 6.3	2.198	3.003	13.0	22.0
3 22	13 53.11	−18 51.4	2.088	2.980	10.2	21.7
4 1	13 46.57	−18 20.7	2.002	2.957	6.9	21.5
4 11	13 38.63	−17 35.3	1.942	2.933	3.6	21.2
4 21	13 30.07	−16 38.2	1.910	2.909	2.7	21.1
5 1	13 21.82	−15 34.6	1.907	2.884	6.0	21.3
5 11	13 14.78	−14 30.9	1.930	2.860	9.7	21.4
5 21	13 9.57	−13 33.2	1.978	2.834	13.1	21.6

251088 2006 SM_{126} 4 15.4 250.°58 2.°5/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.78	− 5 9.9	2.354	3.202	10.9	20.7
3 22	13 50.60	− 4 7.4	2.269	3.192	8.0	20.5
4 1	13 44.84	− 2 58.2	2.209	3.182	4.9	20.2
4 11	13 38.04	− 1 47.3	2.177	3.172	2.6	20.1
4 21	13 30.88	− 0 40.3	2.174	3.162	4.0	20.2
5 1	13 24.11	+ 0 17.6	2.200	3.152	7.2	20.3
5 11	13 18.40	+ 1 2.0	2.251	3.141	10.3	20.5
5 21	13 14.25	+ 1 30.7	2.325	3.131	13.0	20.7

380606 2004 TC_{68} 4 15.4 206.°17 2.°6/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.61	− 3 3.3	2.435	3.275	10.8	21.8
3 22	13 54.10	− 2 26.4	2.351	3.269	8.0	21.6
4 1	13 46.93	− 1 45.8	2.292	3.263	5.0	21.4
4 11	13 38.68	− 1 5.8	2.262	3.256	2.7	21.2
4 21	13 30.07	− 0 30.5	2.261	3.248	4.0	21.3
5 1	13 21.87	− 0 3.9	2.289	3.240	7.0	21.5
5 11	13 14.78	+ 0 10.9	2.344	3.231	10.1	21.6
5 21	13 9.32	+ 0 12.7	2.422	3.221	12.8	21.8

122308 2000 QJ_8 4 15.4 294.°87 4.°6/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.78	−19 55.9	1.415	2.238	18.0	19.3
3 22	13 57.26	−20 31.2	1.324	2.223	14.4	19.1
4 1	13 49.64	−20 47.8	1.254	2.208	10.2	18.8
4 11	13 39.69	−20 44.0	1.206	2.193	6.1	18.5
4 21	13 28.67	−20 21.1	1.183	2.178	4.9	18.4
5 1	13 18.14	−19 44.1	1.185	2.164	8.5	18.5
5 11	13 9.59	−19 1.3	1.210	2.149	13.2	18.7
5 21	13 3.98	−18 21.5	1.255	2.135	17.6	19.0

131619 2001 XE_{40} 4 15.4 75.°22 1.°4/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.96	−13 15.6	1.402	2.243	17.2	19.5
3 22	13 58.44	−13 29.1	1.334	2.248	13.1	19.2
4 1	13 50.03	−13 28.9	1.286	2.254	8.3	19.0
4 11	13 39.72	−13 16.7	1.262	2.260	3.2	18.7
4 21	13 28.79	−12 56.3	1.265	2.266	3.0	18.7
5 1	13 18.70	−12 33.6	1.293	2.272	8.0	19.0
5 11	13 10.70	−12 14.9	1.346	2.278	12.7	19.3
5 21	13 5.50	−12 5.3	1.419	2.284	16.8	19.5

264498 2001 QZ_{42} 4 15.4 186.°80 5.°4/ 9.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.90	+ 5 7.1	2.411	3.257	10.7	21.6
3 22	13 53.53	+ 6 24.9	2.342	3.257	8.2	21.5
4 1	13 46.55	+ 7 41.6	2.299	3.256	6.1	21.3
4 11	13 38.56	+ 8 50.6	2.285	3.254	5.4	21.3
4 21	13 30.27	+ 9 46.5	2.300	3.251	6.8	21.4
5 1	13 22.45	+10 25.0	2.342	3.248	9.2	21.5
5 11	13 15.77	+10 44.1	2.409	3.244	11.7	21.7
5 21	13 10.71	+10 44.1	2.497	3.239	13.9	21.8

348423 2005 NG_{78} 4 15.4 133.°03 6.°3/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.67	−33 24.4	2.731	3.443	13.0	21.6
3 22	13 54.27	−33 52.2	2.645	3.452	11.1	21.5
4 1	13 47.09	−34 1.4	2.581	3.461	9.1	21.4
4 11	13 38.75	−33 50.8	2.540	3.469	7.3	21.3
4 21	13 30.02	−33 21.1	2.526	3.477	6.3	21.2
5 1	13 21.75	−32 35.1	2.540	3.485	6.7	21.2
5 11	13 14.70	−31 37.9	2.580	3.493	8.3	21.3
5 21	13 9.38	−30 35.5	2.646	3.500	10.2	21.5

403348 2009 FB_{34} 4 15.4 100.°68 2.°0/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.88	−16 58.0	1.618	2.439	16.2	22.0
3 22	13 57.86	−16 48.7	1.557	2.459	12.4	21.8
4 1	13 49.41	−16 22.3	1.518	2.480	8.0	21.5
4 11	13 39.46	−15 41.3	1.505	2.500	3.6	21.3
4 21	13 29.20	−14 50.7	1.519	2.520	2.8	21.3
5 1	13 19.85	−13 57.2	1.561	2.539	7.0	21.6
5 11	13 12.40	−13 8.1	1.628	2.557	11.1	21.9
5 21	13 7.42	−12 28.9	1.717	2.575	14.7	22.1

410276 2007 TE_{172} 4 15.4 217.°28 1.°3/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.49	− 9 30.1	1.979	2.815	13.1	22.5
3 22	13 55.19	− 8 38.8	1.889	2.806	9.7	22.3
4 1	13 47.80	− 7 36.1	1.823	2.795	5.9	22.0
4 11	13 39.01	− 6 26.6	1.785	2.785	1.9	21.7
4 21	13 29.69	− 5 16.4	1.776	2.773	3.3	21.8
5 1	13 20.86	− 4 12.2	1.796	2.760	7.5	22.0
5 11	13 13.41	− 3 19.9	1.841	2.747	11.4	22.2
5 21	13 7.96	− 2 43.3	1.909	2.733	14.8	22.4

188718 2005 TV_{180} 4 15.4 174.°83 0.°1/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.46	−10 3.2	2.524	3.347	11.0	20.6
3 22	13 54.71	−10 12.4	2.440	3.348	8.2	20.4
4 1	13 47.30	−10 15.4	2.380	3.348	5.0	20.2
4 11	13 38.81	−10 14.0	2.350	3.349	1.6	20.0
4 21	13 29.96	−10 10.3	2.348	3.349	2.0	20.0
5 1	13 21.52	−10 7.0	2.377	3.349	5.4	20.2
5 11	13 14.19	−10 7.0	2.434	3.349	8.6	20.4
5 21	13 8.48	−10 12.4	2.515	3.349	11.3	20.6

62092 2000 RM_{92} 4 15.4 201.°40 1.°9/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.54	−17 50.6	1.818	2.634	14.9	19.6
3 22	13 55.44	−17 25.1	1.732	2.631	11.5	19.4
4 1	13 48.03	−16 41.6	1.667	2.628	7.6	19.2
4 11	13 39.09	−15 42.5	1.629	2.624	3.4	18.9
4 21	13 29.61	−14 32.6	1.618	2.619	2.6	18.8
5 1	13 20.70	−13 18.9	1.636	2.613	6.7	19.1
5 11	13 13.37	−12 9.3	1.679	2.608	10.9	19.3
5 21	13 8.26	−11 10.3	1.745	2.601	14.6	19.5

19850 2000 TQ_{25} 4 15.4 179.°53 1.°7/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.67	−19 3.7	2.343	3.145	12.4	19.3
3 22	13 52.78	−18 25.5	2.255	3.147	9.6	19.1
4 1	13 46.17	−17 31.7	2.191	3.147	6.3	18.9
4 11	13 38.47	−16 24.6	2.155	3.148	3.0	18.7
4 21	13 30.43	−15 8.7	2.148	3.148	2.2	18.6
5 1	13 22.87	−13 49.8	2.170	3.147	5.4	18.8
5 11	13 16.52	−12 34.2	2.220	3.146	8.8	19.0
5 21	13 11.87	−11 27.2	2.295	3.144	11.8	19.2

116288 2003 YV_{54} 4 15.4 90.°07 1.°7/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.01	− 7 21.2	2.015	2.861	12.5	20.0
3 22	13 52.45	− 6 42.9	1.940	2.862	9.2	19.8
4 1	13 46.03	− 5 56.9	1.890	2.864	5.5	19.6
4 11	13 38.43	− 5 7.7	1.866	2.865	2.0	19.4
4 21	13 30.48	− 4 20.5	1.871	2.867	3.4	19.5
5 1	13 23.05	− 3 40.6	1.903	2.868	7.2	19.7
5 11	13 16.94	− 3 12.1	1.961	2.869	10.7	19.9
5 21	13 12.66	− 2 57.5	2.041	2.871	13.8	20.1

6603 Marycragg 4 15.4 344.°52 13.°2/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.79	+17 2.1	1.309	2.178	16.4	16.5
3 22	13 51.71	+18 56.7	1.259	2.166	14.3	16.3
4 1	13 45.96	+20 35.7	1.229	2.156	13.2	16.2
4 11	13 38.47	+21 45.8	1.221	2.146	13.7	16.2
4 21	13 30.45	+22 17.7	1.234	2.138	15.5	16.3
5 1	13 23.24	+22 7.4	1.266	2.131	18.1	16.4
5 11	13 17.95	+21 16.8	1.314	2.126	20.7	16.6
5 21	13 15.22	+19 52.0	1.376	2.121	23.1	16.7

482454 2012 EY_9 4 15.4 312.°24 3.°5/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 21.22	+ 1 50.2	0.981	1.837	21.6	20.0
3 22	14 12.99	+ 0 35.8	0.905	1.828	16.7	19.7
4 1	13 59.88	− 0 52.2	0.848	1.820	10.7	19.3
4 11	13 43.02	− 2 36.6	0.815	1.812	4.6	18.9
4 21	13 24.51	− 4 35.5	0.807	1.804	5.9	19.0
5 1	13 7.03	− 6 44.0	0.825	1.797	12.5	19.3
5 11	12 52.91	− 8 56.4	0.867	1.791	18.9	19.6
5 21	12 43.41	−11 8.8	0.927	1.784	24.1	19.9

330454 2007 EX_{19} 4 15.4 250.°88 4.°4/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.58	− 1 44.2	1.929	2.786	12.5	20.6
3 22	13 52.29	− 0 17.6	1.847	2.774	9.3	20.4
4 1	13 46.03	+ 1 15.5	1.790	2.762	6.1	20.1
4 11	13 38.47	+ 2 47.4	1.761	2.749	4.4	20.0
4 21	13 30.43	+ 4 10.3	1.760	2.736	6.2	20.1
5 1	13 22.87	+ 5 17.1	1.786	2.723	9.6	20.3
5 11	13 16.62	+ 6 3.0	1.835	2.709	13.0	20.4
5 21	13 12.26	+ 6 26.4	1.905	2.696	16.0	20.6

495114 2011 UY_{248} 4 15.4 322.°10 1.°6/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.36	−16 43.7	1.296	2.144	17.9	20.7
3 22	13 53.09	−16 13.6	1.217	2.135	13.8	20.4
4 1	13 46.96	−15 20.3	1.157	2.126	8.9	20.1
4 11	13 38.84	−14 7.2	1.121	2.118	3.6	19.7
4 21	13 29.96	−12 41.6	1.109	2.111	3.0	19.7
5 1	13 21.77	−11 13.9	1.122	2.103	8.5	19.9
5 11	13 15.57	− 9 55.2	1.157	2.097	13.7	20.2
5 21	13 12.14	− 8 53.6	1.212	2.091	18.2	20.5

497681 2006 SK_{26} 4 15.4 273.°53 0.°8/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.34	−16 6.9	1.742	2.570	14.9	22.1
3 22	13 54.09	−15 21.1	1.636	2.545	11.5	21.8
4 1	13 47.41	−14 15.1	1.553	2.519	7.3	21.5
4 11	13 38.97	−12 51.9	1.495	2.493	2.7	21.1
4 21	13 29.74	−11 17.5	1.465	2.466	2.6	21.1
5 1	13 20.89	− 9 40.6	1.462	2.439	7.5	21.3
5 11	13 13.52	− 8 10.7	1.485	2.411	12.3	21.5
5 21	13 8.41	− 6 55.7	1.530	2.383	16.4	21.7

25640 Klintefelt 4 15.4 154.°98 1.°6/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.65	− 7 9.4	2.138	2.981	12.0	19.1
3 22	13 52.82	− 6 33.9	2.063	2.983	8.8	18.9
4 1	13 46.22	− 5 51.5	2.012	2.985	5.3	18.7
4 11	13 38.50	− 5 6.2	1.989	2.988	2.0	18.5
4 21	13 30.45	− 4 22.9	1.994	2.990	3.3	18.6
5 1	13 22.90	− 3 46.3	2.028	2.991	6.9	18.8
5 11	13 16.60	− 3 20.3	2.087	2.993	10.2	19.0
5 21	13 12.07	− 3 7.2	2.169	2.995	13.2	19.2

424895 2008 WH_{38} 4 15.4 108.°38 2.°8/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.63	− 3 25.2	2.009	2.858	12.3	21.1
3 22	13 53.63	− 2 52.3	1.937	2.861	9.1	20.9
4 1	13 46.75	− 2 15.4	1.890	2.863	5.6	20.7
4 11	13 38.67	− 1 39.2	1.870	2.865	2.9	20.5
4 21	13 30.24	− 1 8.6	1.878	2.867	4.3	20.6
5 1	13 22.37	− 0 47.9	1.913	2.870	7.8	20.9
5 11	13 15.85	− 0 40.2	1.974	2.872	11.2	21.1
5 21	13 11.19	− 0 46.7	2.056	2.874	14.1	21.3

229153 2004 SZ_{43} 4 15.4 131.°49 1.°3/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.73	−16 31.1	2.179	2.993	12.8	20.6
3 22	13 53.61	−16 6.8	2.104	3.004	9.8	20.4
4 1	13 46.69	−15 28.9	2.053	3.014	6.3	20.2
4 11	13 38.64	−14 39.9	2.028	3.024	2.7	20.0
4 21	13 30.30	−13 44.2	2.033	3.033	2.1	20.0
5 1	13 22.51	−12 46.9	2.066	3.042	5.7	20.2
5 11	13 16.04	−11 53.9	2.126	3.051	9.1	20.5
5 21	13 11.38	−11 9.4	2.210	3.059	12.2	20.7

507499 2012 UP_{91} 4 15.4 240.°58 0.°1/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.89	−12 0.2	2.146	2.978	12.3	22.0
3 22	13 52.36	−11 31.3	2.060	2.973	9.2	21.8
4 1	13 46.01	−10 51.6	1.999	2.969	5.7	21.5
4 11	13 38.46	−10 4.2	1.964	2.964	1.8	21.2
4 21	13 30.50	− 9 13.7	1.958	2.958	2.3	21.3
5 1	13 23.00	− 8 25.1	1.980	2.953	6.2	21.5
5 11	13 16.72	− 7 43.7	2.029	2.948	9.8	21.7
5 21	13 12.22	− 7 13.1	2.101	2.943	13.0	21.9

431908 2008 TF_{31} 4 15.4 155.°32 0.°5/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.68	− 9 28.3	1.967	2.805	13.1	21.5
3 22	13 54.53	− 9 16.1	1.889	2.806	9.7	21.3
4 1	13 47.36	− 8 55.4	1.835	2.806	5.9	21.0
4 11	13 38.88	− 8 29.5	1.807	2.807	1.8	20.7
4 21	13 29.98	− 8 2.3	1.808	2.808	2.6	20.8
5 1	13 21.62	− 7 38.3	1.837	2.808	6.7	21.1
5 11	13 14.66	− 7 21.8	1.891	2.809	10.5	21.3
5 21	13 9.67	− 7 15.5	1.968	2.809	13.8	21.5

24322 2000 AM_{43} 4 15.4 194.°38 2.°0/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.34	− 7 30.6	1.868	2.713	13.3	19.1
3 22	13 54.35	− 6 36.9	1.790	2.712	9.9	18.9
4 1	13 47.28	− 5 33.6	1.736	2.710	5.9	18.6
4 11	13 38.86	− 4 26.2	1.709	2.707	2.3	18.4
4 21	13 30.01	− 3 21.1	1.710	2.705	3.9	18.5
5 1	13 21.73	− 2 25.0	1.739	2.701	7.9	18.7
5 11	13 14.90	− 1 43.1	1.794	2.697	11.8	18.9
5 21	13 10.10	− 1 18.2	1.870	2.693	15.1	19.1

271002 2002 XB_{75} 4 15.4 111.°00 2.°5/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.91	− 4 34.8	1.788	2.635	13.7	20.8
3 22	13 56.18	− 4 5.7	1.724	2.647	10.1	20.5
4 1	13 48.33	− 3 31.5	1.685	2.658	6.1	20.3
4 11	13 39.16	− 2 57.1	1.673	2.669	2.8	20.1
4 21	13 29.67	− 2 27.8	1.688	2.680	4.2	20.3
5 1	13 20.92	− 2 8.2	1.730	2.691	8.1	20.5
5 11	13 13.76	− 2 1.6	1.798	2.701	11.8	20.7
5 21	13 8.76	− 2 9.2	1.887	2.711	14.9	21.0

307975 2004 PS_{29} 4 15.4 202.°81 0.°4/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.13	−10 52.4	1.860	2.691	14.0	22.0
3 22	13 57.29	−10 28.8	1.774	2.687	10.5	21.8
4 1	13 49.15	− 9 54.0	1.712	2.682	6.4	21.5
4 11	13 39.47	− 9 11.3	1.677	2.676	1.9	21.2
4 21	13 29.23	− 8 25.6	1.670	2.669	2.8	21.2
5 1	13 19.54	− 7 42.7	1.691	2.662	7.3	21.5
5 11	13 11.40	− 7 8.2	1.738	2.654	11.4	21.7
5 21	13 5.45	− 6 46.0	1.808	2.645	15.0	21.9

459570 2013 GF_{105} 4 15.4 354.°43 4.°6/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.69	− 4 30.7	1.052	1.940	17.9	20.5
3 22	13 51.33	− 3 23.5	0.991	1.935	13.3	20.2
4 1	13 45.95	− 2 5.0	0.950	1.930	8.3	19.9
4 11	13 38.54	− 0 45.6	0.931	1.927	4.7	19.7
4 21	13 30.45	+ 0 23.2	0.934	1.925	7.1	19.8
5 1	13 23.24	+ 1 10.9	0.959	1.924	12.2	20.1
5 11	13 18.21	+ 1 31.4	1.003	1.925	17.1	20.3
5 21	13 16.07	+ 1 23.6	1.065	1.927	21.3	20.6

514089 2014 WS_{137} 4 15.4 276.°60 2.°6/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 50.78	+ 3 13.4	4.386	5.229	6.3	21.0
3 22	13 47.00	+ 3 39.8	4.302	5.218	4.7	20.9
4 1	13 42.40	+ 4 5.3	4.244	5.206	3.3	20.7
4 11	13 37.30	+ 4 27.7	4.216	5.195	2.6	20.7
4 21	13 32.03	+ 4 44.9	4.217	5.184	3.4	20.7
5 1	13 26.95	+ 4 55.1	4.248	5.173	4.9	20.8
5 11	13 22.40	+ 4 57.1	4.305	5.161	6.5	20.9
5 21	13 18.66	+ 4 50.5	4.386	5.150	8.0	21.0

297710 2001 VY_{110} 4 15.4 140.°23 2.°8/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.47	−21 38.7	2.468	3.258	12.2	20.8
3 22	13 51.86	−21 26.1	2.383	3.262	9.6	20.6
4 1	13 45.62	−20 58.4	2.321	3.267	6.7	20.4
4 11	13 38.33	−20 16.9	2.286	3.271	3.9	20.2
4 21	13 30.72	−19 24.6	2.280	3.275	3.0	20.2
5 1	13 23.57	−18 25.9	2.302	3.279	5.2	20.3
5 11	13 17.55	−17 26.5	2.352	3.283	8.1	20.5
5 21	13 13.17	−16 31.2	2.427	3.286	10.9	20.7

425295 2009 WN_{251} 4 15.4 71.°51 4.°5/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.03	+ 0 52.1	1.763	2.619	13.5	20.6
3 22	13 55.44	+ 1 32.0	1.713	2.637	10.1	20.4
4 1	13 47.81	+ 2 11.7	1.686	2.656	6.6	20.3
4 11	13 38.99	+ 2 45.2	1.686	2.674	4.5	20.2
4 21	13 29.97	+ 3 7.4	1.713	2.692	6.0	20.3
5 1	13 21.74	+ 3 14.3	1.767	2.711	9.2	20.5
5 11	13 15.14	+ 3 4.5	1.844	2.729	12.5	20.8
5 21	13 10.63	+ 2 38.5	1.943	2.747	15.3	21.0

359376 2010 DW_{31} 4 15.4 318.°73 1.°6/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.22	−15 12.2	1.226	2.080	18.3	20.5
3 22	13 53.99	−15 3.7	1.143	2.065	14.1	20.2
4 1	13 47.69	−14 34.9	1.080	2.051	9.1	19.8
4 11	13 39.14	−13 48.2	1.040	2.037	3.7	19.5
4 21	13 29.64	−12 49.3	1.023	2.024	3.2	19.4
5 1	13 20.76	−11 47.2	1.029	2.012	8.9	19.7
5 11	13 13.95	−10 52.0	1.058	2.000	14.4	19.9
5 21	13 10.12	−10 11.6	1.105	1.989	19.2	20.2

490505 2009 UF_{53} 4 15.4 194.°09 0.°2/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.32	−12 21.9	2.555	3.371	11.1	22.6
3 22	13 54.63	−12 1.3	2.464	3.369	8.3	22.4
4 1	13 47.28	−11 31.3	2.399	3.365	5.1	22.2
4 11	13 38.87	−10 54.6	2.362	3.361	1.7	21.9
4 21	13 30.08	−10 14.4	2.355	3.356	1.9	21.9
5 1	13 21.69	− 9 34.8	2.379	3.350	5.4	22.2
5 11	13 14.40	− 8 59.9	2.430	3.343	8.7	22.3
5 21	13 8.70	− 8 33.0	2.506	3.336	11.5	22.5

251703 1996 TL_{18} 4 15.4 277.°20 0.°5/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.43	−13 22.3	1.548	2.390	15.8	21.0
3 22	13 55.07	−13 0.2	1.458	2.375	12.0	20.7
4 1	13 48.08	−12 22.0	1.389	2.360	7.6	20.4
4 11	13 39.22	−11 30.9	1.345	2.344	2.6	20.1
4 21	13 29.57	−10 32.5	1.328	2.329	2.8	20.0
5 1	13 20.44	− 9 34.2	1.336	2.313	8.0	20.3
5 11	13 13.02	− 8 43.9	1.369	2.298	12.8	20.5
5 21	13 8.09	− 8 7.7	1.422	2.282	17.0	20.8

248409 2005 SN_{141} 4 15.4 288.°09 0.°9/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.91	− 8 28.1	2.266	3.104	11.5	20.7
3 22	13 52.33	− 8 9.2	2.175	3.092	8.6	20.5
4 1	13 45.99	− 7 43.0	2.109	3.081	5.2	20.3
4 11	13 38.49	− 7 12.7	2.070	3.069	1.6	20.0
4 21	13 30.54	− 6 42.1	2.060	3.058	2.6	20.1
5 1	13 22.97	− 6 15.3	2.078	3.046	6.3	20.3
5 11	13 16.54	− 5 56.2	2.122	3.035	9.8	20.5
5 21	13 11.78	− 5 47.4	2.189	3.023	12.8	20.7

112396 2002 NR_{33} 4 15.4 316.°55 1.°8/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.09	− 8 59.3	1.301	2.168	16.6	19.9
3 22	13 52.94	− 8 19.5	1.216	2.148	12.5	19.6
4 1	13 46.94	− 7 24.8	1.152	2.129	7.6	19.3
4 11	13 38.90	− 6 20.8	1.111	2.110	2.6	18.9
4 21	13 29.97	− 5 15.8	1.094	2.092	4.4	19.0
5 1	13 21.59	− 4 19.0	1.102	2.075	9.9	19.2
5 11	13 15.08	− 3 38.8	1.131	2.059	15.1	19.5
5 21	13 11.30	− 3 19.9	1.179	2.043	19.6	19.7

499126 2009 KG_{30} 4 15.4 347.°76 2.°3/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.11	− 7 48.8	1.250	2.121	16.9	20.9
3 22	13 52.83	− 7 6.7	1.181	2.115	12.6	20.6
4 1	13 46.76	− 6 11.9	1.132	2.110	7.6	20.3
4 11	13 38.79	− 5 11.0	1.106	2.106	2.8	20.0
4 21	13 30.17	− 4 12.6	1.105	2.102	4.7	20.1
5 1	13 22.31	− 3 25.6	1.128	2.099	9.9	20.4
5 11	13 16.41	− 2 56.7	1.172	2.097	14.8	20.7
5 21	13 13.22	− 2 49.0	1.235	2.096	19.0	20.9

338108 2002 QQ_{26} 4 15.4 244.°20 5.°0/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.52	+ 2 11.5	2.252	3.107	11.0	21.5
3 22	13 51.25	+ 3 38.3	2.174	3.096	8.3	21.3
4 1	13 45.30	+ 5 7.2	2.121	3.085	5.9	21.1
4 11	13 38.27	+ 6 31.4	2.097	3.074	5.0	21.1
4 21	13 30.85	+ 7 44.3	2.101	3.062	6.6	21.1
5 1	13 23.85	+ 8 40.3	2.132	3.050	9.3	21.3
5 11	13 17.96	+ 9 16.2	2.187	3.038	12.1	21.4
5 21	13 13.70	+ 9 31.3	2.263	3.025	14.6	21.6

499185 2009 SR_{250} 4 15.4 206.°28 0.°6/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.97	− 9 55.3	2.316	3.144	11.7	23.2
3 22	13 54.53	− 9 26.6	2.226	3.138	8.7	23.0
4 1	13 47.30	− 8 49.2	2.162	3.132	5.3	22.8
4 11	13 38.89	− 8 6.3	2.125	3.125	1.6	22.5
4 21	13 30.07	− 7 21.9	2.118	3.117	2.5	22.6
5 1	13 21.66	− 6 40.8	2.141	3.109	6.2	22.8
5 11	13 14.44	− 6 7.4	2.190	3.099	9.7	23.0
5 21	13 8.95	− 5 44.6	2.263	3.090	12.7	23.2

363523 2003 UZ_{198} 4 15.4 158.°78 1.°6/17.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.50	−18 6.7	2.031	2.840	13.8	21.5
3 22	13 55.09	−17 30.3	1.952	2.848	10.6	21.3
4 1	13 47.67	−16 37.2	1.895	2.854	6.9	21.1
4 11	13 39.00	−15 30.1	1.866	2.861	3.1	20.8
4 21	13 29.97	−14 14.3	1.866	2.866	2.4	20.8
5 1	13 21.55	−12 56.2	1.894	2.871	6.1	21.1
5 11	13 14.58	−11 43.1	1.950	2.875	9.8	21.3
5 21	13 9.61	−10 40.6	2.029	2.878	13.1	21.5

160776 2000 SP_{241} 4 15.4 249.°71 0.°1/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.44	−11 35.1	1.847	2.676	14.1	20.6
3 22	13 57.77	−11 21.0	1.745	2.656	10.8	20.3
4 1	13 49.63	−10 55.2	1.666	2.635	6.7	20.0
4 11	13 39.71	−10 20.2	1.614	2.613	2.1	19.7
4 21	13 28.97	− 9 40.1	1.590	2.590	2.7	19.7
5 1	13 18.60	− 9 0.6	1.594	2.567	7.5	19.9
5 11	13 9.70	− 8 27.6	1.624	2.542	11.9	20.1
5 21	13 3.06	− 8 5.8	1.677	2.517	15.8	20.3

423184 2004 JS_{49} 4 15.4 182.°91 3.°6/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.98	− 0 35.6	1.857	2.703	13.3	20.8
3 22	13 57.78	− 0 18.8	1.783	2.703	10.0	20.6
4 1	13 49.38	− 0 1.2	1.733	2.703	6.3	20.3
4 11	13 39.55	+ 0 12.8	1.711	2.703	3.7	20.2
4 21	13 29.27	+ 0 18.6	1.716	2.703	5.1	20.3
5 1	13 19.64	+ 0 12.8	1.750	2.702	8.7	20.5
5 11	13 11.57	− 0 6.6	1.808	2.701	12.2	20.7
5 21	13 5.67	− 0 39.7	1.888	2.700	15.4	20.9

277461 2005 VR_6 4 15.4 244.°19 3.°4/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.44	−21 28.4	2.034	2.831	14.2	21.1
3 22	13 54.58	−21 24.5	1.936	2.819	11.3	20.9
4 1	13 47.56	−21 2.9	1.859	2.807	8.0	20.6
4 11	13 39.03	−20 24.0	1.809	2.794	4.6	20.4
4 21	13 29.89	−19 30.5	1.785	2.781	3.6	20.3
5 1	13 21.17	−18 27.7	1.790	2.767	6.3	20.5
5 11	13 13.84	−17 22.7	1.822	2.753	10.0	20.6
5 21	13 8.56	−16 22.1	1.876	2.739	13.4	20.8

102456 1999 TJ_{221} 4 15.4 220.°70 2.°8/12.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.31	− 5 41.3	1.867	2.716	13.2	20.7
3 22	13 54.40	− 4 38.4	1.784	2.708	9.8	20.5
4 1	13 47.38	− 3 26.6	1.726	2.700	6.0	20.2
4 11	13 38.96	− 2 12.2	1.695	2.691	2.9	20.0
4 21	13 30.04	− 1 1.9	1.692	2.682	4.7	20.1
5 1	13 21.64	− 0 2.9	1.717	2.672	8.6	20.3
5 11	13 14.67	+ 0 39.7	1.766	2.662	12.4	20.5
5 21	13 9.74	+ 1 3.3	1.837	2.651	15.7	20.7

425695 2011 AY_{72} 4 15.4 138.°31 1.°6/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.15	−15 17.4	2.185	2.992	13.0	21.4
3 22	13 57.65	−15 23.2	2.110	3.006	9.9	21.3
4 1	13 49.19	−15 17.6	2.059	3.019	6.4	21.1
4 11	13 39.49	−15 2.0	2.036	3.031	2.8	20.8
4 21	13 29.44	−14 39.1	2.042	3.042	2.3	20.8
5 1	13 19.99	−14 12.9	2.078	3.053	5.8	21.1
5 11	13 11.96	−13 48.1	2.142	3.063	9.2	21.3
5 21	13 5.90	−13 28.5	2.229	3.073	12.3	21.5

61208 Stonařov 4 15.4 216.°73 3.°0/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.05	− 4 21.3	1.838	2.684	13.5	19.8
3 22	13 56.49	− 3 34.9	1.755	2.677	10.0	19.6
4 1	13 48.70	− 2 41.9	1.696	2.668	6.2	19.4
4 11	13 39.39	− 1 47.8	1.663	2.659	3.1	19.1
4 21	13 29.54	− 0 58.7	1.659	2.649	4.8	19.2
5 1	13 20.22	− 0 20.8	1.683	2.638	8.7	19.4
5 11	13 12.41	+ 0 1.7	1.731	2.627	12.6	19.6
5 21	13 6.75	+ 0 6.7	1.801	2.615	15.9	19.8

246514 2008 CS_{210} 4 15.4 297.°03 1.°7/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.53	− 6 35.1	2.295	3.139	11.2	20.7
3 22	13 51.23	− 5 59.8	2.212	3.134	8.3	20.5
4 1	13 45.30	− 5 18.3	2.154	3.128	5.0	20.3
4 11	13 38.30	− 4 34.3	2.124	3.122	2.0	20.0
4 21	13 30.94	− 3 52.4	2.122	3.117	3.2	20.1
5 1	13 23.99	− 3 17.0	2.149	3.111	6.6	20.3
5 11	13 18.15	− 2 51.9	2.201	3.106	9.8	20.5
5 21	13 13.92	− 2 39.1	2.276	3.100	12.7	20.7

161917 2007 EK_{36} 4 15.4 30.°16 7.°4/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.98	+ 3 22.7	1.269	2.149	16.0	18.9
3 22	13 52.33	+ 4 51.3	1.229	2.164	12.1	18.8
4 1	13 46.19	+ 6 17.4	1.211	2.179	8.7	18.6
4 11	13 38.57	+ 7 30.1	1.216	2.196	7.5	18.6
4 21	13 30.69	+ 8 20.4	1.246	2.213	9.4	18.7
5 1	13 23.79	+ 8 42.9	1.298	2.231	12.8	19.0
5 11	13 18.82	+ 8 36.7	1.370	2.250	16.2	19.2
5 21	13 16.27	+ 8 4.6	1.460	2.270	19.2	19.5

198399 2004 VT_{52} 4 15.4 151.°87 0.°8/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.86	−10 15.9	2.194	3.028	12.0	21.3
3 22	13 52.96	− 9 34.0	2.119	3.034	8.9	21.1
4 1	13 46.33	− 8 42.5	2.068	3.040	5.4	20.9
4 11	13 38.61	− 7 45.6	2.045	3.045	1.6	20.7
4 21	13 30.58	− 6 48.0	2.051	3.050	2.6	20.8
5 1	13 23.07	− 5 55.2	2.086	3.054	6.3	21.0
5 11	13 16.80	− 5 11.9	2.147	3.058	9.8	21.2
5 21	13 12.26	− 4 41.0	2.231	3.062	12.7	21.4

35705 1999 FK_{17} 4 15.4 138.°32 1.°3/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.16	−10 20.0	1.625	2.471	15.0	19.2
3 22	13 55.18	− 9 23.6	1.557	2.478	11.1	18.9
4 1	13 47.88	− 8 14.0	1.512	2.486	6.7	18.7
4 11	13 39.12	− 6 57.1	1.493	2.493	2.1	18.4
4 21	13 29.96	− 5 40.5	1.501	2.499	3.6	18.5
5 1	13 21.55	− 4 32.1	1.537	2.505	8.1	18.8
5 11	13 14.85	− 3 38.6	1.597	2.511	12.3	19.1
5 21	13 10.43	− 3 3.4	1.678	2.516	15.9	19.3

297747 2001 XY_{35} 4 15.4 105.°93 0.°6/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.94	−13 2.7	1.604	2.435	15.8	21.7
3 22	13 58.66	−12 49.2	1.545	2.456	11.9	21.5
4 1	13 49.94	−12 22.2	1.508	2.476	7.4	21.3
4 11	13 39.74	−11 45.0	1.496	2.495	2.5	21.0
4 21	13 29.22	−11 2.9	1.513	2.514	2.6	21.1
5 1	13 19.62	−10 22.0	1.556	2.532	7.3	21.4
5 11	13 11.92	− 9 48.5	1.625	2.549	11.5	21.7
5 21	13 6.70	− 9 26.4	1.716	2.566	15.1	22.0

115233 2003 SH_{145} 4 15.4 216.°04 1.°2/16.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.47	−15 24.2	2.256	3.073	12.4	20.0
3 22	13 53.53	−15 10.6	2.166	3.068	9.4	19.8
4 1	13 46.76	−14 44.8	2.100	3.063	6.1	19.6
4 11	13 38.77	−14 8.9	2.061	3.057	2.5	19.4
4 21	13 30.36	−13 26.3	2.051	3.051	2.1	19.3
5 1	13 22.37	−12 41.5	2.069	3.045	5.7	19.6
5 11	13 15.59	−11 59.8	2.114	3.039	9.2	19.8
5 21	13 10.57	−11 25.3	2.183	3.032	12.3	19.9

18969 Valfriedmann 4 15.4 0.°68 1.°5/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.57	−15 44.9	1.241	2.093	18.3	18.3
3 22	13 54.04	−15 26.2	1.171	2.091	14.0	18.0
4 1	13 47.57	−14 46.5	1.120	2.090	9.0	17.8
4 11	13 39.11	−13 49.2	1.093	2.090	3.6	17.4
4 21	13 29.97	−12 41.1	1.089	2.091	3.0	17.4
5 1	13 21.65	−11 31.9	1.110	2.092	8.5	17.7
5 11	13 15.42	−10 31.5	1.153	2.093	13.6	18.0
5 21	13 12.04	− 9 46.8	1.216	2.096	18.0	18.3

235171 2003 SH_{47} 4 15.4 145.°52 2.°8/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.80	−21 6.1	2.356	3.147	12.7	20.3
3 22	13 53.66	−20 56.1	2.274	3.155	10.0	20.1
4 1	13 46.77	−20 30.7	2.216	3.163	6.9	19.9
4 11	13 38.76	−19 51.3	2.184	3.170	3.9	19.8
4 21	13 30.42	−19 1.0	2.181	3.177	3.0	19.7
5 1	13 22.59	−18 4.3	2.207	3.183	5.4	19.9
5 11	13 16.00	−17 7.1	2.260	3.189	8.5	20.1
5 21	13 11.15	−16 14.5	2.338	3.194	11.3	20.3

217045 2001 QM_{147} 4 15.4 156.°28 5.°5/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.90	+ 6 24.2	2.382	3.224	10.9	21.1
3 22	13 54.98	+ 7 23.1	2.322	3.233	8.4	21.0
4 1	13 47.45	+ 8 18.8	2.288	3.242	6.3	20.8
4 11	13 38.95	+ 9 5.3	2.282	3.250	5.5	20.8
4 21	13 30.22	+ 9 38.2	2.305	3.257	6.8	20.9
5 1	13 22.04	+ 9 54.1	2.355	3.263	9.0	21.0
5 11	13 15.09	+ 9 52.1	2.430	3.268	11.5	21.2
5 21	13 9.81	+ 9 32.8	2.526	3.273	13.6	21.4

36336 2000 ND_5 4 15.4 265.°18 1.°6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.70	−16 20.2	2.166	2.977	13.0	19.8
3 22	13 55.50	−16 10.5	2.053	2.950	10.1	19.6
4 1	13 48.17	−15 47.1	1.963	2.923	6.6	19.3
4 11	13 39.30	−15 11.3	1.900	2.895	2.9	19.0
4 21	13 29.70	−14 26.0	1.866	2.866	2.4	18.9
5 1	13 20.35	−13 35.9	1.860	2.836	6.2	19.1
5 11	13 12.21	−12 47.2	1.882	2.806	10.2	19.3
5 21	13 5.98	−12 5.0	1.927	2.775	13.7	19.4

510443 2011 VJ_{14} 4 15.4 210.°42 1.°0/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.08	−16 3.9	2.728	3.539	10.6	22.4
3 22	13 50.72	−15 33.4	2.636	3.535	8.1	22.2
4 1	13 44.91	−14 51.6	2.569	3.531	5.2	22.0
4 11	13 38.19	−14 0.7	2.530	3.526	2.1	21.8
4 21	13 31.16	−13 4.3	2.521	3.522	1.7	21.8
5 1	13 24.49	−12 6.6	2.541	3.517	4.8	22.0
5 11	13 18.78	−11 12.2	2.589	3.511	7.8	22.1
5 21	13 14.47	−10 25.0	2.661	3.506	10.5	22.3

260895 2005 QF_{171} 4 15.4 248.°40 1.°4/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.36	−17 6.7	2.519	3.329	11.4	20.6
3 22	13 51.08	−16 39.4	2.423	3.320	8.8	20.4
4 1	13 45.21	−15 59.2	2.351	3.311	5.7	20.2
4 11	13 38.30	−15 8.1	2.306	3.301	2.5	20.0
4 21	13 31.02	−14 9.8	2.291	3.291	2.0	19.9
5 1	13 24.09	−13 9.0	2.304	3.281	5.1	20.1
5 11	13 18.20	−12 10.9	2.345	3.271	8.4	20.3
5 21	13 13.84	−11 19.8	2.411	3.261	11.2	20.5

341763 2007 VK_{326} 4 15.4 173.°03 3.°1/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.14	− 1 15.3	2.293	3.138	11.2	20.9
3 22	13 53.84	− 0 45.9	2.219	3.139	8.3	20.7
4 1	13 46.85	− 0 14.6	2.170	3.140	5.3	20.5
4 11	13 38.80	+ 0 14.2	2.149	3.141	3.1	20.4
4 21	13 30.43	+ 0 36.5	2.157	3.142	4.4	20.4
5 1	13 22.54	+ 0 48.7	2.193	3.142	7.4	20.6
5 11	13 15.85	+ 0 48.6	2.255	3.143	10.4	20.8
5 21	13 10.83	+ 0 35.5	2.340	3.143	13.1	21.0

125730 2001 XV_{111} 4 15.4 160.°04 4.°9/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.98	− 0 47.4	1.664	2.521	14.1	20.1
3 22	13 55.71	+ 0 28.4	1.600	2.526	10.5	19.9
4 1	13 48.19	+ 1 48.2	1.560	2.531	6.9	19.7
4 11	13 39.24	+ 3 3.8	1.547	2.535	4.9	19.6
4 21	13 29.90	+ 4 7.2	1.561	2.538	6.7	19.7
5 1	13 21.29	+ 4 51.9	1.601	2.541	10.3	19.9
5 11	13 14.35	+ 5 14.5	1.664	2.544	13.9	20.1
5 21	13 9.64	+ 5 14.7	1.748	2.546	17.0	20.3

472953 2015 GW_{31} 4 15.4 302.°80 0.°1/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.77	−11 55.9	1.925	2.763	13.3	21.3
3 22	13 52.57	−11 34.0	1.835	2.751	10.0	21.1
4 1	13 46.33	−11 0.4	1.768	2.739	6.2	20.8
4 11	13 38.69	−10 18.3	1.728	2.727	2.0	20.5
4 21	13 30.52	− 9 32.2	1.715	2.715	2.4	20.5
5 1	13 22.79	− 8 47.8	1.729	2.704	6.8	20.8
5 11	13 16.39	− 8 10.5	1.769	2.693	10.7	21.0
5 21	13 11.95	− 7 44.4	1.831	2.682	14.2	21.2

224841 2006 XR_{17} 4 15.4 350.°64 9.°4/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.09	+10 3.8	1.396	2.265	15.6	19.2
3 22	13 54.73	+11 13.0	1.339	2.260	12.6	19.0
4 1	13 47.77	+12 13.6	1.304	2.256	10.1	18.8
4 11	13 39.14	+12 55.4	1.292	2.253	9.5	18.7
4 21	13 30.03	+13 10.7	1.303	2.250	11.2	18.8
5 1	13 21.74	+12 55.5	1.337	2.249	14.2	19.0
5 11	13 15.34	+12 10.4	1.390	2.248	17.4	19.2
5 21	13 11.47	+10 59.5	1.461	2.247	20.3	19.4

141440 2002 CC_{31} 4 15.4 74.°41 1.°5/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.51	− 6 39.7	2.272	3.113	11.4	20.3
3 22	13 52.60	− 6 15.5	2.207	3.126	8.4	20.1
4 1	13 46.06	− 5 45.8	2.166	3.138	5.0	19.9
4 11	13 38.54	− 5 14.3	2.152	3.151	1.8	19.7
4 21	13 30.78	− 4 44.9	2.168	3.163	3.0	19.8
5 1	13 23.55	− 4 21.4	2.212	3.176	6.3	20.0
5 11	13 17.51	− 4 7.0	2.282	3.188	9.5	20.2
5 21	13 13.12	− 4 3.3	2.375	3.201	12.2	20.4

520040 2013 VW_{28} 4 15.4 262.°60 0.°1/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.42	−11 57.1	1.980	2.812	13.2	21.9
3 22	13 54.57	−11 37.4	1.882	2.795	10.0	21.7
4 1	13 47.58	−11 6.2	1.808	2.778	6.2	21.4
4 11	13 39.10	−10 26.3	1.761	2.760	2.0	21.1
4 21	13 30.00	− 9 41.8	1.742	2.742	2.4	21.1
5 1	13 21.29	− 8 58.3	1.750	2.724	6.8	21.3
5 11	13 13.90	− 8 21.4	1.785	2.705	10.9	21.5
5 21	13 8.50	− 7 55.1	1.842	2.687	14.4	21.7

140652 2001 UX_{33} 4 15.4 196.°76 3.°4/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.73	+ 0 55.1	2.806	3.649	9.4	20.7
3 22	13 51.81	+ 1 42.4	2.728	3.646	7.0	20.5
4 1	13 45.53	+ 2 30.5	2.677	3.643	4.7	20.3
4 11	13 38.38	+ 3 15.2	2.654	3.639	3.4	20.3
4 21	13 30.97	+ 3 52.6	2.661	3.634	4.6	20.3
5 1	13 23.92	+ 4 19.3	2.697	3.630	7.0	20.5
5 11	13 17.81	+ 4 33.1	2.759	3.624	9.4	20.6
5 21	13 13.05	+ 4 33.4	2.843	3.619	11.6	20.8

488970 2005 UK_{291} 4 15.4 105.°97 0.°4/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.63	− 9 9.5	1.924	2.757	13.5	21.5
3 22	13 57.41	− 9 8.2	1.858	2.771	10.1	21.3
4 1	13 49.11	− 8 59.2	1.815	2.786	6.1	21.1
4 11	13 39.52	− 8 45.4	1.800	2.800	1.8	20.8
4 21	13 29.60	− 8 30.2	1.813	2.813	2.6	20.9
5 1	13 20.37	− 8 17.5	1.855	2.827	6.7	21.2
5 11	13 12.70	− 8 11.3	1.923	2.840	10.4	21.5
5 21	13 7.14	− 8 13.8	2.014	2.852	13.6	21.7

29255 1993 FF_4 4 15.4 90.°78 0.°3/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.78	−10 43.6	2.251	3.082	11.8	19.1
3 22	13 52.83	−10 19.9	2.183	3.096	8.8	18.9
4 1	13 46.22	− 9 47.5	2.140	3.110	5.3	18.8
4 11	13 38.60	− 9 9.8	2.124	3.124	1.6	18.5
4 21	13 30.73	− 8 30.8	2.138	3.137	2.2	18.6
5 1	13 23.40	− 7 54.8	2.179	3.151	5.9	18.8
5 11	13 17.30	− 7 25.9	2.248	3.164	9.1	19.1
5 21	13 12.89	− 7 6.7	2.340	3.177	12.0	19.3

354887 2006 BC_{147} 4 15.4 338.°96 5.°9/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.44	− 1 37.3	1.098	1.984	17.5	19.5
3 22	13 52.67	− 0 28.4	1.032	1.973	13.1	19.2
4 1	13 46.86	+ 0 48.1	0.986	1.963	8.6	18.9
4 11	13 38.94	+ 2 1.5	0.962	1.954	5.9	18.7
4 21	13 30.26	+ 3 0.6	0.961	1.946	8.3	18.8
5 1	13 22.37	+ 3 35.6	0.981	1.939	13.0	19.1
5 11	13 16.63	+ 3 41.6	1.021	1.933	17.8	19.3
5 21	13 13.81	+ 3 18.6	1.078	1.929	21.9	19.5

391296 2006 SZ_{309} 4 15.4 63.°50 2.°0/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.70	−16 41.3	2.155	2.969	12.9	21.0
3 22	13 53.71	−16 46.3	2.080	2.978	10.0	20.8
4 1	13 46.86	−16 38.9	2.029	2.988	6.6	20.6
4 11	13 38.83	−16 20.6	2.004	2.997	3.1	20.4
4 21	13 30.45	−15 54.2	2.007	3.007	2.5	20.4
5 1	13 22.61	−15 23.7	2.039	3.017	5.6	20.6
5 11	13 16.07	−14 54.1	2.097	3.026	9.0	20.8
5 21	13 11.37	−14 29.5	2.179	3.036	12.0	21.0

28935 Kevincyr 4 15.4 212.°22 2.°9/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.85	− 5 11.2	1.710	2.561	14.1	19.1
3 22	13 55.73	− 4 20.4	1.633	2.557	10.4	18.9
4 1	13 48.29	− 3 21.6	1.578	2.552	6.4	18.6
4 11	13 39.33	− 2 20.9	1.550	2.547	3.1	18.4
4 21	13 29.84	− 1 25.2	1.550	2.541	4.8	18.5
5 1	13 20.95	− 0 41.0	1.576	2.535	8.9	18.7
5 11	13 13.65	− 0 13.3	1.627	2.528	12.9	18.9
5 21	13 8.59	− 0 4.2	1.699	2.521	16.4	19.1

299970 2006 TG_{95} 4 15.4 109.°72 0.°7/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.83	−10 22.7	2.417	3.250	11.1	21.5
3 22	13 51.32	− 9 42.6	2.345	3.259	8.2	21.3
4 1	13 45.29	− 8 54.0	2.298	3.269	4.9	21.1
4 11	13 38.33	− 8 0.5	2.279	3.278	1.5	20.9
4 21	13 31.12	− 7 6.6	2.289	3.287	2.3	20.9
5 1	13 24.39	− 6 17.0	2.328	3.297	5.7	21.2
5 11	13 18.75	− 5 35.7	2.394	3.305	8.9	21.4
5 21	13 14.65	− 5 5.4	2.483	3.314	11.6	21.6

511129 2013 WZ_{105} 4 15.4 193.°74 9.°6/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.68	+23 2.6	2.534	3.339	11.5	21.6
3 22	13 56.35	+24 12.9	2.483	3.337	10.2	21.5
4 1	13 48.33	+25 9.0	2.457	3.334	9.6	21.5
4 11	13 39.27	+25 44.7	2.455	3.331	9.8	21.5
4 21	13 29.97	+25 55.8	2.479	3.326	10.8	21.6
5 1	13 21.24	+25 40.9	2.526	3.322	12.3	21.7
5 11	13 13.80	+25 1.4	2.594	3.316	13.8	21.8
5 21	13 8.11	+24 0.4	2.679	3.310	15.3	21.9

368263 2001 YF_{137} 4 15.4 200.°18 4.°4/20.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.24	−26 3.5	2.594	3.349	12.6	21.9
3 22	13 56.29	−26 16.3	2.494	3.344	10.3	21.8
4 1	13 48.46	−26 12.8	2.417	3.339	7.8	21.6
4 11	13 39.37	−25 52.6	2.366	3.332	5.4	21.4
4 21	13 29.78	−25 16.9	2.343	3.325	4.4	21.3
5 1	13 20.58	−24 29.1	2.350	3.317	5.8	21.4
5 11	13 12.56	−23 34.6	2.385	3.308	8.4	21.6
5 21	13 6.31	−22 39.0	2.446	3.299	11.0	21.7

161916 2007 EO_{34} 4 15.4 259.°36 1.°2/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 49.41	− 4 31.2	4.550	5.387	6.2	20.2
3 22	13 46.02	− 4 4.2	4.464	5.382	4.5	20.1
4 1	13 41.87	− 3 35.0	4.406	5.378	2.7	20.0
4 11	13 37.24	− 3 5.6	4.377	5.373	1.3	19.8
4 21	13 32.47	− 2 38.0	4.378	5.368	2.0	19.9
5 1	13 27.88	− 2 14.1	4.409	5.364	3.8	20.0
5 11	13 23.80	− 1 55.7	4.468	5.359	5.6	20.1
5 21	13 20.47	− 1 43.8	4.552	5.354	7.2	20.3

50475 2000 DQ_{73} 4 15.5 145.°93 0.°9/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.29	− 9 24.7	2.217	3.053	11.8	19.3
3 22	13 52.56	− 8 48.5	2.141	3.058	8.8	19.1
4 1	13 46.12	− 8 3.7	2.090	3.062	5.3	18.9
4 11	13 38.61	− 7 14.2	2.066	3.065	1.6	18.6
4 21	13 30.78	− 6 24.7	2.071	3.069	2.7	18.7
5 1	13 23.44	− 5 40.0	2.105	3.072	6.3	18.9
5 11	13 17.32	− 5 4.5	2.165	3.076	9.7	19.2
5 21	13 12.89	− 4 40.9	2.248	3.079	12.6	19.3

402142 2004 RT_{14} 4 15.5 214.°08 0.°6/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.84	−13 50.0	1.944	2.765	13.9	22.7
3 22	13 57.12	−13 26.7	1.851	2.757	10.5	22.5
4 1	13 49.14	−12 49.9	1.781	2.747	6.6	22.2
4 11	13 39.62	−12 2.0	1.739	2.737	2.3	21.9
4 21	13 29.49	−11 7.7	1.725	2.726	2.4	21.9
5 1	13 19.85	−10 13.0	1.740	2.714	6.8	22.2
5 11	13 11.67	− 9 24.1	1.781	2.701	10.9	22.4
5 21	13 5.63	− 8 46.0	1.845	2.687	14.5	22.6

38452 1999 TE_1 4 15.5 232.°45 0.°6/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.98	− 9 42.5	2.849	3.676	9.8	19.5
3 22	13 51.34	− 9 15.3	2.754	3.666	7.3	19.4
4 1	13 45.30	− 8 41.1	2.684	3.654	4.4	19.1
4 11	13 38.36	− 8 2.6	2.644	3.643	1.3	18.9
4 21	13 31.08	− 7 23.0	2.633	3.631	2.1	18.9
5 1	13 24.10	− 6 46.1	2.651	3.619	5.2	19.1
5 11	13 18.02	− 6 15.1	2.698	3.607	8.1	19.3
5 21	13 13.27	− 5 52.7	2.768	3.594	10.7	19.5

317678 2003 JH_{18} 4 15.5 299.°24 1.°6/14.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.59	−10 38.1	1.350	2.210	16.5	20.7
3 22	13 53.20	− 9 36.4	1.267	2.196	12.4	20.4
4 1	13 47.07	− 8 16.3	1.206	2.182	7.5	20.0
4 11	13 39.02	− 6 44.4	1.169	2.168	2.4	19.7
4 21	13 30.22	− 5 10.1	1.157	2.155	4.3	19.8
5 1	13 22.02	− 3 44.6	1.170	2.142	9.7	20.0
5 11	13 15.66	− 2 37.2	1.206	2.129	14.7	20.3
5 21	13 11.93	− 1 53.3	1.261	2.116	19.1	20.5

123533 2000 XX_{15} 4 15.5 185.°84 7.°5/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.10	−32 22.2	2.105	2.839	15.8	19.7
3 22	13 56.73	−33 3.0	2.016	2.839	13.5	19.6
4 1	13 48.98	−33 21.8	1.946	2.839	11.0	19.4
4 11	13 39.58	−33 16.0	1.900	2.838	8.7	19.3
4 21	13 29.54	−32 45.5	1.879	2.837	7.5	19.2
5 1	13 20.01	−31 53.9	1.885	2.836	8.2	19.2
5 11	13 12.05	−30 47.9	1.916	2.835	10.3	19.3
5 21	13 6.36	−29 35.8	1.970	2.834	12.8	19.5

309240 2007 RR_{11} 4 15.5 124.°85 0.°9/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.31	−11 50.2	1.561	2.406	15.5	20.6
3 22	13 54.68	−10 52.6	1.492	2.413	11.5	20.4
4 1	13 47.66	− 9 39.6	1.446	2.419	7.0	20.1
4 11	13 39.13	− 8 17.1	1.426	2.426	2.1	19.8
4 21	13 30.18	− 6 53.1	1.433	2.432	3.3	19.9
5 1	13 21.99	− 5 36.3	1.466	2.437	8.1	20.2
5 11	13 15.54	− 4 34.3	1.524	2.443	12.5	20.5
5 21	13 11.43	− 3 51.1	1.603	2.448	16.2	20.7

195383 2002 GJ_5 4 15.5 289.°03 10.°7/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 18.61	+11 54.0	1.017	1.872	21.1	19.5
3 22	14 10.70	+11 56.4	0.948	1.862	17.2	19.2
4 1	13 58.30	+11 39.7	0.897	1.852	13.1	19.0
4 11	13 42.64	+10 52.2	0.868	1.841	10.8	18.8
4 21	13 25.76	+ 9 27.5	0.862	1.831	12.2	18.8
5 1	13 10.10	+ 7 26.6	0.880	1.821	16.3	19.0
5 11	12 57.65	+ 4 57.7	0.919	1.811	21.1	19.2
5 21	12 49.45	+ 2 11.4	0.976	1.802	25.5	19.5

347481 1174 $T\text{-}3$ 4 15.5 179.°36 2.°3/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.74	−20 24.9	2.802	3.588	11.0	21.7
3 22	13 52.68	−20 10.6	2.710	3.590	8.6	21.5
4 1	13 46.13	−19 43.3	2.643	3.591	5.9	21.4
4 11	13 38.63	−19 4.5	2.604	3.591	3.3	21.2
4 21	13 30.81	−18 16.6	2.595	3.591	2.5	21.1
5 1	13 23.38	−17 23.6	2.615	3.590	4.7	21.3
5 11	13 16.96	−16 30.1	2.663	3.589	7.5	21.4
5 21	13 12.00	−15 40.5	2.737	3.588	10.0	21.6

313610 2003 QD_{44} 4 15.5 218.°29 1.°1/16.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.61	−14 15.0	2.002	2.819	13.7	21.6
3 22	13 57.67	−14 11.6	1.908	2.810	10.5	21.4
4 1	13 49.49	−13 56.0	1.837	2.800	6.7	21.2
4 11	13 39.75	−13 30.0	1.793	2.790	2.6	20.9
4 21	13 29.38	−12 56.7	1.778	2.779	2.4	20.8
5 1	13 19.45	−12 20.9	1.791	2.767	6.5	21.1
5 11	13 10.96	−11 48.0	1.832	2.754	10.5	21.3
5 21	13 4.58	−11 22.8	1.895	2.740	14.0	21.5

498167 2007 TZ_{177} 4 15.5 145.°56 0.°7/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.13	− 8 32.9	2.626	3.454	10.5	22.6
3 22	13 53.65	− 8 15.9	2.551	3.463	7.8	22.4
4 1	13 46.68	− 7 53.0	2.501	3.471	4.7	22.2
4 11	13 38.79	− 7 26.8	2.480	3.479	1.5	22.0
4 21	13 30.64	− 7 0.5	2.489	3.487	2.3	22.0
5 1	13 22.93	− 6 37.5	2.527	3.494	5.5	22.3
5 11	13 16.29	− 6 20.8	2.593	3.501	8.4	22.5
5 21	13 11.15	− 6 12.5	2.683	3.507	11.0	22.7

29012 4285 *P–L* 4 15.5 163.°48 2.°6/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.31	−19 12.0	2.427	3.224	12.2	19.8
3 22	13 54.07	−19 18.9	2.341	3.226	9.5	19.6
4 1	13 47.08	−19 13.0	2.279	3.229	6.5	19.4
4 11	13 38.95	−18 55.1	2.243	3.231	3.6	19.2
4 21	13 30.43	−18 27.5	2.236	3.233	2.8	19.2
5 1	13 22.34	−17 53.8	2.259	3.235	5.3	19.4
5 11	13 15.43	−17 18.7	2.308	3.236	8.4	19.5
5 21	13 10.21	−16 46.5	2.382	3.237	11.2	19.7

45865 2000 UT_{97} 4 15.5 255.°96 1.°6/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.37	−14 25.7	1.652	2.481	15.6	19.0
3 22	13 58.00	−14 33.7	1.559	2.467	12.0	18.8
4 1	13 49.95	−14 28.0	1.488	2.453	7.8	18.5
4 11	13 39.96	−14 10.0	1.442	2.439	3.2	18.2
4 21	13 29.11	−13 42.8	1.423	2.424	2.8	18.1
5 1	13 18.74	−13 11.5	1.431	2.409	7.5	18.3
5 11	13 10.05	−12 42.7	1.464	2.393	12.1	18.6
5 21	13 3.87	−12 22.0	1.519	2.378	16.2	18.8

74306 1998 TS_{29} 4 15.5 209.°96 0.°1/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.26	−11 51.8	2.248	3.076	12.0	21.0
3 22	13 53.36	−11 30.4	2.162	3.072	9.0	20.8
4 1	13 46.68	−10 59.2	2.100	3.069	5.5	20.6
4 11	13 38.83	−10 21.0	2.066	3.065	1.8	20.3
4 21	13 30.58	− 9 39.5	2.060	3.061	2.1	20.3
5 1	13 22.77	− 8 59.5	2.083	3.056	6.0	20.6
5 11	13 16.16	− 8 25.5	2.133	3.052	9.4	20.8
5 21	13 11.26	− 8 0.9	2.207	3.047	12.5	21.0

122320 2000 QX_{13} 4 15.5 204.°52 2.°1/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.28	−17 52.4	2.172	2.979	13.1	20.6
3 22	13 55.01	−17 45.4	2.081	2.975	10.2	20.4
4 1	13 47.77	−17 24.2	2.014	2.970	6.8	20.2
4 11	13 39.20	−16 50.3	1.973	2.965	3.3	20.0
4 21	13 30.15	−16 6.8	1.961	2.960	2.6	19.9
5 1	13 21.55	−15 18.4	1.977	2.954	5.8	20.1
5 11	13 14.26	−14 30.8	2.020	2.948	9.4	20.3
5 21	13 8.86	−13 49.2	2.088	2.941	12.6	20.5

94039 2000 XW_{50} 4 15.5 78.°33 4.°7/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.99	−23 29.3	1.862	2.654	15.5	19.7
3 22	13 55.82	−23 50.9	1.788	2.664	12.5	19.5
4 1	13 48.36	−23 53.5	1.735	2.673	9.1	19.3
4 11	13 39.39	−23 36.8	1.706	2.683	5.9	19.2
4 21	13 29.95	−23 3.0	1.704	2.693	4.7	19.1
5 1	13 21.16	−22 17.0	1.729	2.703	6.8	19.3
5 11	13 13.99	−21 25.9	1.779	2.713	10.1	19.5
5 21	13 9.07	−20 36.5	1.853	2.722	13.2	19.7

187369 2005 UT_{281} 4 15.5 227.°68 2.°3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.94	− 5 55.1	2.126	2.969	12.0	21.0
3 22	13 53.97	− 5 5.8	2.038	2.959	8.9	20.8
4 1	13 47.11	− 4 9.0	1.975	2.948	5.4	20.6
4 11	13 39.00	− 3 9.6	1.940	2.937	2.5	20.3
4 21	13 30.42	− 2 13.1	1.933	2.925	3.9	20.4
5 1	13 22.27	− 1 25.1	1.955	2.913	7.5	20.6
5 11	13 15.36	− 0 50.1	2.003	2.900	11.0	20.8
5 21	13 10.26	− 0 30.5	2.072	2.886	14.1	21.0

196622 2003 RN_5 4 15.5 203.°93 3.°6/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.00	+ 0 22.8	2.598	3.442	10.1	21.0
3 22	13 52.90	+ 1 16.5	2.518	3.437	7.5	20.8
4 1	13 46.28	+ 2 11.8	2.464	3.431	5.0	20.7
4 11	13 38.70	+ 3 4.1	2.439	3.424	3.6	20.6
4 21	13 30.81	+ 3 48.7	2.443	3.417	4.9	20.6
5 1	13 23.30	+ 4 21.8	2.475	3.409	7.5	20.8
5 11	13 16.81	+ 4 40.7	2.534	3.401	10.1	20.9
5 21	13 11.80	+ 4 44.7	2.615	3.392	12.5	21.1

259232 2003 BM_{44} 4 15.5 81.°84 1.°4/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.97	−15 25.1	1.711	2.536	15.3	20.6
3 22	13 56.39	−15 13.5	1.652	2.558	11.6	20.4
4 1	13 48.58	−14 47.2	1.615	2.579	7.4	20.2
4 11	13 39.43	−14 9.0	1.604	2.600	3.0	20.0
4 21	13 29.99	−13 23.6	1.620	2.621	2.5	20.0
5 1	13 21.38	−12 37.1	1.664	2.642	6.7	20.3
5 11	13 14.49	−11 55.9	1.734	2.663	10.6	20.6
5 21	13 9.87	−11 24.5	1.826	2.683	14.0	20.8

173632 2001 FT_{87} 4 15.5 321.°14 3.°4/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.31	− 4 59.1	1.334	2.204	16.1	20.0
3 22	13 53.76	− 4 16.2	1.255	2.189	12.0	19.7
4 1	13 47.45	− 3 23.8	1.197	2.174	7.4	19.4
4 11	13 39.20	− 2 28.9	1.162	2.160	3.6	19.1
4 21	13 30.16	− 1 39.7	1.153	2.146	5.6	19.2
5 1	13 21.72	− 1 4.2	1.167	2.133	10.5	19.4
5 11	13 15.14	− 0 48.2	1.204	2.121	15.2	19.7
5 21	13 11.20	− 0 54.1	1.258	2.109	19.4	19.9

8379 Straczynski 4 15.5 95.°78 0.°6/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.76	−12 20.7	1.895	2.721	14.0	17.6
3 22	13 57.55	−12 22.7	1.832	2.740	10.5	17.4
4 1	13 49.23	−12 14.2	1.792	2.759	6.5	17.2
4 11	13 39.63	−11 57.7	1.779	2.777	2.3	16.9
4 21	13 29.73	−11 36.6	1.795	2.796	2.3	17.0
5 1	13 20.56	−11 15.2	1.839	2.814	6.4	17.3
5 11	13 13.00	−10 58.1	1.909	2.831	10.2	17.5
5 21	13 7.57	−10 48.6	2.003	2.849	13.4	17.8

371601 2006 WB_{146} 4 15.5 33.°84 0.°5/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.96	−12 36.6	1.507	2.352	16.0	21.0
3 22	13 55.33	−12 28.0	1.438	2.356	12.1	20.8
4 1	13 48.18	−12 5.8	1.390	2.361	7.5	20.5
4 11	13 39.37	−11 33.3	1.367	2.366	2.6	20.2
4 21	13 30.04	−10 55.3	1.370	2.371	2.7	20.2
5 1	13 21.45	−10 18.3	1.399	2.377	7.6	20.6
5 11	13 14.68	− 9 48.7	1.452	2.383	12.1	20.8
5 21	13 10.37	− 9 30.8	1.526	2.389	15.9	21.1

380335 2002 PB_{113} 4 15.5 275.°63 18.°2/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 10.55	−40 52.7	1.206	1.931	25.7	21.1
3 22	14 5.97	−43 31.7	1.128	1.922	23.6	20.9
4 1	13 56.37	−45 41.1	1.065	1.912	21.4	20.7
4 11	13 42.41	−47 6.6	1.018	1.903	19.4	20.5
4 21	13 25.90	−47 36.6	0.988	1.894	18.3	20.4
5 1	13 9.78	−47 8.0	0.977	1.885	18.5	20.4
5 11	12 56.97	−45 50.8	0.983	1.875	20.1	20.4
5 21	12 49.27	−44 2.7	1.005	1.866	22.4	20.5

112811 2002 QD_3 4 15.5 158.°23 1.°1/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.18	−15 57.5	2.234	3.051	12.4	20.2
3 22	13 52.56	−15 29.9	2.152	3.054	9.5	20.0
4 1	13 46.20	−14 49.0	2.094	3.057	6.1	19.8
4 11	13 38.71	−13 57.7	2.063	3.059	2.4	19.6
4 21	13 30.88	−12 59.9	2.060	3.061	2.0	19.5
5 1	13 23.52	−12 1.1	2.087	3.063	5.6	19.8
5 11	13 17.39	−11 6.7	2.140	3.065	9.1	20.0
5 21	13 12.99	−10 21.2	2.217	3.067	12.1	20.2

444013 2004 DM_8 4 15.5 17.°40 4.°6/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.95	−19 23.9	1.200	2.035	19.9	20.5
3 22	13 58.39	−19 59.0	1.130	2.036	15.8	20.3
4 1	13 50.48	−20 12.6	1.079	2.038	11.0	20.0
4 11	13 40.19	−20 3.7	1.050	2.039	6.3	19.7
4 21	13 29.03	−19 34.9	1.045	2.042	4.9	19.7
5 1	13 18.75	−18 52.9	1.063	2.044	8.9	19.9
5 11	13 10.85	−18 7.6	1.104	2.047	13.8	20.2
5 21	13 6.20	−17 28.1	1.164	2.050	18.2	20.4

287977 2003 UA_{159} 4 15.5 156.°98 0.°4/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.09	−11 13.9	1.803	2.638	14.2	21.3
3 22	13 55.78	−10 41.6	1.728	2.644	10.6	21.1
4 1	13 48.29	− 9 57.4	1.677	2.648	6.4	20.8
4 11	13 39.39	− 9 5.4	1.653	2.653	2.0	20.5
4 21	13 30.07	− 8 11.0	1.656	2.656	2.8	20.6
5 1	13 21.39	− 7 20.7	1.688	2.660	7.2	20.9
5 11	13 14.28	− 6 40.1	1.745	2.663	11.2	21.1
5 21	13 9.32	− 6 12.9	1.824	2.665	14.7	21.4

411633 2011 UJ_{187} 4 15.5 61.°09 4.°8/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.44	− 1 11.1	1.384	2.249	15.9	20.5
3 22	13 56.50	− 0 20.7	1.322	2.253	11.9	20.3
4 1	13 48.91	+ 0 33.4	1.283	2.256	7.6	20.1
4 11	13 39.61	+ 1 23.2	1.268	2.260	4.9	19.9
4 21	13 29.83	+ 2 1.0	1.279	2.264	6.7	20.0
5 1	13 20.89	+ 2 20.5	1.315	2.268	10.8	20.3
5 11	13 13.92	+ 2 18.8	1.372	2.272	14.9	20.5
5 21	13 9.53	+ 1 55.9	1.449	2.276	18.5	20.7

181923 1999 TD_{105} 4 15.5 167.°38 1.°4/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.29	−16 28.4	2.051	2.864	13.6	21.5
3 22	13 55.76	−16 3.5	1.970	2.869	10.4	21.3
4 1	13 48.21	−15 23.9	1.912	2.873	6.7	21.1
4 11	13 39.36	−14 32.2	1.881	2.877	2.8	20.9
4 21	13 30.11	−13 32.6	1.879	2.880	2.3	20.8
5 1	13 21.44	−12 31.2	1.906	2.882	6.1	21.1
5 11	13 14.18	−11 34.2	1.960	2.884	9.8	21.3
5 21	13 8.92	−10 46.6	2.037	2.885	13.1	21.5

379339 2009 WS_{85} 4 15.5 238.°58 2.°1/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.97	−17 19.2	1.971	2.785	14.0	21.5
3 22	13 55.01	−17 16.8	1.880	2.778	10.8	21.3
4 1	13 47.89	−16 59.7	1.812	2.771	7.2	21.0
4 11	13 39.30	−16 29.3	1.770	2.763	3.5	20.8
4 21	13 30.15	−15 48.8	1.756	2.756	2.7	20.7
5 1	13 21.45	−15 3.2	1.770	2.748	6.3	20.9
5 11	13 14.17	−14 18.6	1.810	2.740	10.1	21.1
5 21	13 8.94	−13 40.5	1.872	2.731	13.6	21.3

149009 2002 AG_{42} 4 15.5 353.°41 1.°3/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.76	− 9 41.7	1.508	2.366	15.2	19.3
3 22	13 52.21	− 8 59.3	1.435	2.363	11.3	19.1
4 1	13 46.29	− 8 3.9	1.384	2.360	6.8	18.8
4 11	13 38.80	− 7 1.3	1.358	2.358	2.2	18.5
4 21	13 30.79	− 5 58.4	1.358	2.357	3.6	18.6
5 1	13 23.43	− 5 3.1	1.383	2.356	8.4	18.8
5 11	13 17.72	− 4 22.0	1.432	2.355	12.8	19.1
5 21	13 14.32	− 3 58.7	1.501	2.356	16.6	19.3

354826 2005 WE_{175} 4 15.5 204.°98 3.°7/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.67	−21 22.9	1.689	2.493	16.4	21.7
3 22	13 57.40	−21 19.0	1.602	2.490	13.0	21.5
4 1	13 49.52	−20 54.2	1.535	2.485	9.1	21.2
4 11	13 39.84	−20 9.0	1.493	2.480	5.2	21.0
4 21	13 29.48	−19 6.8	1.478	2.475	3.9	20.9
5 1	13 19.73	−17 54.5	1.490	2.469	7.2	21.1
5 11	13 11.74	−16 41.2	1.528	2.462	11.4	21.3
5 21	13 6.24	−15 34.8	1.588	2.454	15.2	21.5

429652 2011 GG_{13} 4 15.5 298.°06 2.°2/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.07	−16 40.9	1.811	2.634	14.6	21.3
3 22	13 54.54	−16 45.0	1.720	2.623	11.4	21.1
4 1	13 47.71	−16 34.3	1.652	2.613	7.6	20.8
4 11	13 39.27	−16 10.2	1.609	2.603	3.6	20.6
4 21	13 30.18	−15 35.6	1.592	2.592	2.8	20.5
5 1	13 21.55	−14 55.7	1.603	2.582	6.7	20.7
5 11	13 14.42	−14 16.9	1.639	2.572	10.8	20.9
5 21	13 9.47	−13 44.8	1.698	2.563	14.5	21.1

30264 2000 HT_{44} 4 15.5 196.°25 2.°0/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.50	− 6 54.9	2.041	2.883	12.5	19.9
3 22	13 54.41	− 6 8.6	1.961	2.881	9.2	19.7
4 1	13 47.39	− 5 14.3	1.905	2.878	5.6	19.4
4 11	13 39.11	− 4 16.9	1.877	2.875	2.3	19.2
4 21	13 30.42	− 3 21.8	1.878	2.872	3.7	19.3
5 1	13 22.24	− 2 34.7	1.906	2.867	7.4	19.5
5 11	13 15.39	− 2 0.2	1.961	2.863	11.0	19.7
5 21	13 10.42	− 1 40.7	2.038	2.858	14.1	19.9

465177 2007 EZ_{121} 4 15.5 184.°12 0.°7/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.61	− 9 8.1	2.084	2.916	12.6	22.1
3 22	13 55.96	− 8 52.0	2.003	2.917	9.4	21.9
4 1	13 48.33	− 8 27.8	1.946	2.916	5.7	21.6
4 11	13 39.42	− 7 58.8	1.916	2.916	1.8	21.4
4 21	13 30.07	− 7 28.9	1.916	2.915	2.6	21.4
5 1	13 21.24	− 7 2.4	1.944	2.913	6.6	21.7
5 11	13 13.76	− 6 43.6	1.999	2.911	10.3	21.9
5 21	13 8.20	− 6 35.1	2.076	2.909	13.4	22.1

87923 2000 SV_{318} 4 15.5 232.°61 5.°3/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.23	−27 11.8	2.380	3.134	13.6	19.5
3 22	13 56.60	−27 35.5	2.273	3.121	11.3	19.4
4 1	13 48.86	−27 41.9	2.189	3.106	8.7	19.2
4 11	13 39.63	−27 29.4	2.130	3.092	6.3	19.0
4 21	13 29.74	−26 58.8	2.099	3.076	5.3	18.9
5 1	13 20.18	−26 13.1	2.096	3.060	6.6	18.9
5 11	13 11.88	−25 18.1	2.120	3.044	9.2	19.1
5 21	13 5.52	−24 20.2	2.169	3.027	12.0	19.2

213836 2003 RQ_{12} 4 15.5 140.°10 1.°5/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.75	− 8 34.6	1.905	2.743	13.4	21.4
3 22	13 56.07	− 7 50.0	1.838	2.755	9.9	21.2
4 1	13 48.37	− 6 56.1	1.795	2.767	5.9	20.9
4 11	13 39.41	− 5 58.0	1.779	2.778	2.0	20.7
4 21	13 30.15	− 5 1.3	1.792	2.788	3.3	20.8
5 1	13 21.55	− 4 12.1	1.833	2.798	7.3	21.1
5 11	13 14.47	− 3 35.1	1.900	2.807	11.0	21.3
5 21	13 9.43	− 3 12.9	1.989	2.815	14.2	21.5

275213 2009 WA_{180} 4 15.5 274.°21 0.°6/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.85	−10 55.0	1.823	2.665	13.8	21.2
3 22	13 53.47	−10 20.9	1.740	2.658	10.3	21.0
4 1	13 46.96	− 9 34.8	1.679	2.652	6.3	20.7
4 11	13 39.02	− 8 40.9	1.646	2.645	1.9	20.4
4 21	13 30.57	− 7 44.5	1.639	2.639	2.8	20.5
5 1	13 22.65	− 6 52.2	1.660	2.632	7.2	20.7
5 11	13 16.16	− 6 9.8	1.706	2.626	11.3	21.0
5 21	13 11.72	− 5 41.2	1.774	2.620	14.8	21.2

469753 2005 QQ_{13} 4 15.5 186.°86 1.°0/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.69	−15 19.6	3.026	3.832	9.8	22.4
3 22	13 51.81	−15 4.4	2.936	3.832	7.5	22.2
4 1	13 45.60	−14 39.9	2.870	3.831	4.8	22.0
4 11	13 38.54	−14 8.1	2.833	3.829	2.0	21.8
4 21	13 31.19	−13 31.3	2.827	3.827	1.6	21.8
5 1	13 24.17	−12 53.1	2.850	3.825	4.4	22.0
5 11	13 18.04	−12 16.8	2.901	3.822	7.1	22.1
5 21	13 13.20	−11 45.7	2.978	3.819	9.6	22.3

55561 Madenberg 4 15.5 238.°16 3.°7/12.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.66	− 3 18.8	1.660	2.513	14.3	20.1
3 22	13 56.51	− 2 28.6	1.578	2.503	10.7	19.9
4 1	13 48.93	− 1 31.9	1.519	2.492	6.7	19.6
4 11	13 39.67	− 0 35.1	1.486	2.481	3.8	19.4
4 21	13 29.79	+ 0 14.8	1.481	2.469	5.5	19.5
5 1	13 20.46	+ 0 51.0	1.502	2.457	9.6	19.7
5 11	13 12.76	+ 1 9.1	1.547	2.444	13.7	19.9
5 21	13 7.38	+ 1 7.5	1.612	2.431	17.3	20.1

206832 2004 EL_{46} 4 15.5 51.°79 2.°5/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.93	− 4 35.0	1.889	2.741	12.9	20.3
3 22	13 53.22	− 3 59.6	1.830	2.755	9.5	20.1
4 1	13 46.61	− 3 19.4	1.794	2.768	5.8	19.9
4 11	13 38.86	− 2 39.2	1.786	2.782	2.7	19.8
4 21	13 30.85	− 2 4.4	1.805	2.796	4.1	19.9
5 1	13 23.48	− 1 39.3	1.851	2.811	7.7	20.1
5 11	13 17.54	− 1 27.4	1.921	2.825	11.1	20.4
5 21	13 13.50	− 1 29.8	2.014	2.840	14.0	20.6

196606 2003 QX_{75} 4 15.5 288.°58 2.°4/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.39	− 8 4.8	1.863	2.714	13.1	19.8
3 22	13 51.68	− 6 47.1	1.767	2.692	9.7	19.5
4 1	13 45.92	− 5 16.1	1.696	2.671	5.9	19.2
4 11	13 38.72	− 3 37.9	1.651	2.649	2.6	19.0
4 21	13 30.94	− 2 0.6	1.634	2.627	4.4	19.1
5 1	13 23.55	− 0 32.6	1.645	2.605	8.5	19.2
5 11	13 17.46	+ 0 38.8	1.681	2.583	12.6	19.4
5 21	13 13.32	+ 1 29.5	1.738	2.561	16.1	19.6

359986 2012 VQ_{33} 4 15.5 84.°69 2.°7/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.49	− 3 4.4	2.232	3.079	11.4	20.8
3 22	13 52.66	− 2 26.6	2.167	3.089	8.4	20.6
4 1	13 46.19	− 1 45.7	2.128	3.100	5.2	20.4
4 11	13 38.72	− 1 6.0	2.116	3.110	2.8	20.3
4 21	13 31.01	− 0 32.0	2.133	3.121	4.1	20.4
5 1	13 23.83	− 0 7.8	2.178	3.131	7.2	20.6
5 11	13 17.86	+ 0 4.2	2.249	3.142	10.2	20.8
5 21	13 13.54	+ 0 2.7	2.341	3.152	12.8	21.0

430643 2003 SU_{105} 4 15.5 194.°11 1.°1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.85	−16 43.4	2.875	3.676	10.4	21.9
3 22	13 52.74	−16 13.4	2.780	3.673	7.9	21.7
4 1	13 46.20	−15 32.0	2.711	3.669	5.1	21.5
4 11	13 38.74	−14 41.4	2.670	3.665	2.2	21.3
4 21	13 30.97	−13 44.7	2.659	3.660	1.7	21.3
5 1	13 23.55	−12 46.1	2.679	3.654	4.7	21.5
5 11	13 17.09	−11 50.2	2.728	3.648	7.6	21.6
5 21	13 12.03	−11 0.8	2.802	3.640	10.2	21.8

510341 2011 SP_{111} 4 15.5 240.°89 4.°6/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.73	−27 20.4	2.809	3.556	11.9	22.4
3 22	13 54.45	−27 37.8	2.698	3.541	9.9	22.2
4 1	13 47.41	−27 40.0	2.610	3.524	7.6	22.1
4 11	13 39.17	−27 26.2	2.548	3.507	5.5	21.9
4 21	13 30.40	−26 57.1	2.514	3.490	4.6	21.8
5 1	13 21.89	−26 15.4	2.509	3.472	5.7	21.9
5 11	13 14.41	−25 25.7	2.531	3.454	8.0	22.0
5 21	13 8.52	−24 33.3	2.579	3.435	10.4	22.1

474120 4504 P–L 4 15.5 251.°87 2.°0/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.82	−17 53.0	2.769	3.565	10.9	22.1
3 22	13 53.66	−17 57.9	2.661	3.547	8.5	21.9
4 1	13 46.89	−17 52.2	2.577	3.530	5.7	21.7
4 11	13 38.99	−17 36.6	2.522	3.512	3.0	21.4
4 21	13 30.62	−17 12.8	2.496	3.493	2.3	21.4
5 1	13 22.51	−16 43.9	2.499	3.475	4.9	21.5
5 11	13 15.34	−16 13.8	2.531	3.456	7.9	21.7
5 21	13 9.65	−15 46.3	2.588	3.436	10.6	21.8

74871 1999 TT_{97} 4 15.5 213.°49 2.°7/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.68	− 5 59.8	1.849	2.697	13.3	20.1
3 22	13 54.76	− 4 59.8	1.768	2.691	9.9	19.8
4 1	13 47.72	− 3 50.9	1.712	2.685	6.0	19.6
4 11	13 39.27	− 2 39.1	1.682	2.679	2.8	19.4
4 21	13 30.33	− 1 31.3	1.681	2.671	4.5	19.5
5 1	13 21.94	− 0 34.4	1.707	2.664	8.5	19.7
5 11	13 14.99	+ 0 6.5	1.758	2.656	12.3	19.9
5 21	13 10.09	+ 0 28.9	1.830	2.647	15.6	20.1

242723 2005 UD_{156} 4 15.5 220.°54 4.°9/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.95	+ 4 15.0	2.435	3.277	10.7	22.4
3 22	13 55.24	+ 5 11.2	2.351	3.265	8.2	22.2
4 1	13 47.82	+ 6 6.7	2.293	3.252	5.9	22.0
4 11	13 39.28	+ 6 55.9	2.264	3.239	4.9	21.9
4 21	13 30.32	+ 7 33.9	2.263	3.224	6.2	22.0
5 1	13 21.77	+ 7 56.7	2.291	3.209	8.8	22.1
5 11	13 14.33	+ 8 2.2	2.344	3.193	11.5	22.3
5 21	13 8.53	+ 7 50.4	2.419	3.176	13.9	22.4

53284 1999 FK_{47} 4 15.5 211.°21 3.°1/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.35	−21 5.2	2.283	3.071	13.1	18.5
3 22	13 55.83	−21 7.3	2.185	3.064	10.4	18.3
4 1	13 48.33	−20 54.0	2.111	3.056	7.3	18.1
4 11	13 39.47	−20 25.8	2.064	3.048	4.3	17.9
4 21	13 30.08	−19 45.0	2.045	3.040	3.3	17.8
5 1	13 21.09	−18 55.7	2.055	3.030	5.8	17.9
5 11	13 13.38	−18 3.9	2.092	3.020	9.1	18.1
5 21	13 7.55	−17 15.1	2.154	3.010	12.2	18.3

192319 1994 RY_{24} 4 15.5 210.°12 1.°4/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.59	−16 15.7	2.209	3.023	12.7	20.7
3 22	13 53.72	−15 58.5	2.120	3.019	9.7	20.5
4 1	13 46.99	−15 28.1	2.054	3.015	6.3	20.2
4 11	13 39.03	−14 46.4	2.015	3.011	2.7	20.0
4 21	13 30.63	−13 57.3	2.005	3.006	2.2	19.9
5 1	13 22.67	−13 5.5	2.023	3.000	5.7	20.2
5 11	13 15.95	−12 16.8	2.069	2.995	9.3	20.4
5 21	13 11.03	−11 35.6	2.138	2.989	12.4	20.6

224957 2007 EA_{13} 4 15.5 9.°45 1.°9/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.46	−16 4.0	1.572	2.406	15.9	20.5
3 22	13 54.24	−15 58.8	1.497	2.407	12.3	20.2
4 1	13 47.56	−15 37.2	1.443	2.408	8.0	20.0
4 11	13 39.25	−15 1.2	1.414	2.409	3.5	19.7
4 21	13 30.37	−14 15.5	1.410	2.411	2.8	19.6
5 1	13 22.16	−13 26.5	1.433	2.413	7.2	19.9
5 11	13 15.67	−12 41.6	1.480	2.416	11.5	20.2
5 21	13 11.56	−12 6.5	1.549	2.419	15.3	20.4

274575 2008 SD_{304} 4 15.5 271.°58 3.°6/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.18	− 2 3.7	1.913	2.767	12.7	20.5
3 22	13 53.53	− 1 16.6	1.839	2.764	9.4	20.3
4 1	13 46.91	− 0 25.6	1.789	2.761	6.0	20.0
4 11	13 39.00	+ 0 23.5	1.765	2.758	3.6	19.9
4 21	13 30.69	+ 1 4.9	1.769	2.754	5.2	20.0
5 1	13 22.90	+ 1 33.6	1.800	2.751	8.6	20.2
5 11	13 16.49	+ 1 46.2	1.856	2.748	12.0	20.4
5 21	13 12.01	+ 1 41.7	1.932	2.744	15.1	20.6

522723 2016 LL_{62} 4 15.5 242.°14 1.°9/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 56.42	−18 37.7	2.363	3.169	12.2	21.6
3 22	13 52.04	−18 16.9	2.269	3.162	9.5	21.4
4 1	13 45.93	−17 41.7	2.199	3.155	6.3	21.2
4 11	13 38.70	−16 53.9	2.156	3.148	3.1	21.0
4 21	13 31.05	−15 57.1	2.141	3.140	2.3	20.9
5 1	13 23.80	−14 56.1	2.155	3.133	5.3	21.1
5 11	13 17.68	−13 56.5	2.196	3.125	8.7	21.3
5 21	13 13.21	−13 3.4	2.261	3.117	11.7	21.5

266676 2009 FV_{56} 4 15.5 179.°66 15.°5/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.62	+23 51.6	1.307	2.128	19.3	20.0
3 22	14 7.31	+25 6.6	1.262	2.130	17.1	19.9
4 1	13 55.57	+25 55.4	1.235	2.131	15.7	19.8
4 11	13 41.72	+26 5.1	1.230	2.131	15.6	19.7
4 21	13 27.50	+25 29.0	1.247	2.131	16.9	19.8
5 1	13 14.71	+24 7.5	1.284	2.130	19.1	20.0
5 11	13 4.70	+22 8.0	1.341	2.129	21.5	20.1
5 21	12 58.10	+19 40.9	1.413	2.127	23.9	20.3

405411 2004 RT_{98} 4 15.5 281.°60 1.°3/14.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 57.90	−11 28.5	1.423	2.277	16.2	21.3
3 22	13 54.22	−10 25.6	1.331	2.257	12.2	21.0
4 1	13 47.79	− 9 3.0	1.261	2.236	7.5	20.7
4 11	13 39.39	− 7 26.6	1.216	2.216	2.3	20.3
4 21	13 30.13	− 5 45.5	1.196	2.195	4.0	20.4
5 1	13 21.37	− 4 10.7	1.203	2.174	9.5	20.6
5 11	13 14.37	− 2 52.5	1.232	2.153	14.6	20.8
5 21	13 9.96	− 1 57.3	1.281	2.132	19.1	21.1

197130 2003 UX_{230} 4 15.5 272.°73 1.°6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 57.72	−16 30.4	2.009	2.829	13.5	20.8
3 22	13 53.33	−16 13.6	1.913	2.816	10.4	20.5
4 1	13 46.88	−15 41.9	1.841	2.803	6.8	20.3
4 11	13 39.03	−14 57.4	1.795	2.790	3.0	20.0
4 21	13 30.62	−14 3.9	1.776	2.777	2.4	19.9
5 1	13 22.62	−13 7.0	1.786	2.764	6.2	20.1
5 11	13 15.94	−12 13.2	1.821	2.751	10.1	20.4
5 21	13 11.20	−11 27.8	1.880	2.738	13.6	20.5

428729 2008 RG_{85} 4 15.5 274.°00 5.°4/19.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.11	−23 55.4	2.045	2.822	14.8	21.4
3 22	13 58.46	−24 41.1	1.933	2.799	12.2	21.2
4 1	13 50.28	−25 11.4	1.844	2.775	9.2	21.0
4 11	13 40.18	−25 24.0	1.780	2.752	6.4	20.7
4 21	13 29.11	−25 18.3	1.744	2.727	5.4	20.6
5 1	13 18.24	−24 56.7	1.735	2.703	7.4	20.7
5 11	13 8.75	−24 24.5	1.752	2.678	10.7	20.8
5 21	13 1.50	−23 48.5	1.792	2.653	14.0	21.0

18727 Peacock 4 15.5 318.°91 1.°2/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.67	− 9 13.8	2.071	2.916	12.2	18.0
3 22	13 50.88	− 8 29.8	1.986	2.907	9.1	17.8
4 1	13 45.28	− 7 36.0	1.925	2.899	5.5	17.6
4 11	13 38.50	− 6 36.6	1.891	2.890	1.8	17.3
4 21	13 31.30	− 5 37.1	1.884	2.882	3.0	17.4
5 1	13 24.53	− 4 43.3	1.906	2.874	6.8	17.6
5 11	13 18.96	− 4 0.1	1.953	2.866	10.5	17.8
5 21	13 15.12	− 3 31.0	2.022	2.859	13.6	18.0

325021 2008 CC_{24} 4 15.5 265.°09 2.°9/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.36	−18 15.0	1.728	2.545	15.5	20.7
3 22	13 56.45	−18 25.4	1.635	2.533	12.2	20.4
4 1	13 49.00	−18 19.5	1.564	2.521	8.3	20.2
4 11	13 39.74	−17 57.6	1.518	2.509	4.3	19.9
4 21	13 29.72	−17 22.4	1.498	2.496	3.4	19.8
5 1	13 20.17	−16 39.1	1.505	2.484	7.1	20.0
5 11	13 12.23	−15 54.9	1.538	2.471	11.3	20.2
5 21	13 6.67	−15 16.2	1.592	2.459	15.2	20.4

501374 2013 YW_{48} 4 15.5 165.°67 2.°6/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.06	−22 6.5	2.792	3.569	11.3	22.5
3 22	13 53.68	−21 49.2	2.704	3.575	8.9	22.3
4 1	13 46.78	−21 17.8	2.639	3.581	6.3	22.2
4 11	13 38.93	−20 33.4	2.603	3.586	3.7	22.0
4 21	13 30.80	−19 39.0	2.596	3.590	2.7	21.9
5 1	13 23.08	−18 38.5	2.619	3.594	4.8	22.1
5 11	13 16.43	−17 36.9	2.671	3.597	7.5	22.3
5 21	13 11.29	−16 39.1	2.748	3.599	10.0	22.4

379310 2009 VH_{91} 4 15.5 251.°17 5.°6/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.36	+ 4 47.6	2.035	2.882	12.3	20.7
3 22	13 56.65	+ 5 31.9	1.950	2.866	9.5	20.5
4 1	13 48.86	+ 6 14.3	1.889	2.849	6.8	20.3
4 11	13 39.65	+ 6 48.8	1.856	2.832	5.6	20.2
4 21	13 29.91	+ 7 9.8	1.850	2.815	7.0	20.2
5 1	13 20.61	+ 7 13.2	1.871	2.797	10.0	20.3
5 11	13 12.66	+ 6 57.3	1.917	2.779	13.1	20.5
5 21	13 6.69	+ 6 22.7	1.983	2.760	15.9	20.7

494984 2010 AJ_{37} 4 15.5 111.°66 4.°5/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.34	− 2 42.6	1.344	2.208	16.4	21.6
3 22	13 57.22	− 1 42.8	1.285	2.215	12.2	21.4
4 1	13 49.39	− 0 37.0	1.248	2.222	7.7	21.2
4 11	13 39.81	+ 0 26.2	1.235	2.228	4.6	21.0
4 21	13 29.79	+ 1 18.3	1.248	2.235	6.5	21.1
5 1	13 20.67	+ 1 52.0	1.286	2.241	10.8	21.4
5 11	13 13.59	+ 2 3.5	1.346	2.247	15.1	21.6
5 21	13 9.19	+ 1 52.5	1.425	2.253	18.7	21.9

298750 2004 GY_{82} 4 15.5 356.°53 0.°5/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 54.37	−12 13.5	1.971	2.811	12.9	20.6
3 22	13 50.69	−11 19.4	1.892	2.810	9.6	20.4
4 1	13 45.17	−10 12.1	1.837	2.809	5.8	20.1
4 11	13 38.47	− 8 56.5	1.809	2.809	1.8	19.8
4 21	13 31.39	− 7 38.6	1.808	2.808	2.6	19.9
5 1	13 24.83	− 6 25.2	1.836	2.808	6.7	20.2
5 11	13 19.54	− 5 22.7	1.889	2.808	10.4	20.4
5 21	13 16.06	− 4 35.0	1.965	2.809	13.7	20.6

390075 2012 UT_{123} 4 15.5 64.°69 2.°1/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 56.39	−18 38.1	2.178	2.988	13.0	21.0
3 22	13 52.08	−18 19.2	2.096	2.991	10.0	20.8
4 1	13 45.97	−17 45.2	2.038	2.994	6.7	20.6
4 11	13 38.71	−16 58.4	2.006	2.998	3.3	20.4
4 21	13 31.09	−16 2.3	2.002	3.001	2.4	20.4
5 1	13 23.97	−15 2.5	2.026	3.005	5.6	20.6
5 11	13 18.09	−14 4.7	2.077	3.008	9.0	20.8
5 21	13 13.98	−13 14.1	2.152	3.012	12.0	21.0

215476 2002 RP_{134} 4 15.5 285.°51 3.°0/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.81	− 4 37.8	1.718	2.566	14.2	21.1
3 22	13 57.68	− 4 3.2	1.608	2.530	10.7	20.8
4 1	13 49.90	− 3 20.5	1.521	2.494	6.7	20.5
4 11	13 40.10	− 2 34.8	1.460	2.457	3.2	20.2
4 21	13 29.25	− 1 52.2	1.427	2.419	4.9	20.2
5 1	13 18.60	− 1 19.6	1.420	2.380	9.5	20.4
5 11	13 9.37	− 1 2.6	1.438	2.341	14.2	20.5
5 21	13 2.49	− 1 4.0	1.477	2.302	18.3	20.7

64183 2001 TP_{66} 4 15.5 83.°49 0.°9/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.29	−10 15.6	1.726	2.570	14.3	19.3
3 22	13 54.43	− 9 34.6	1.664	2.584	10.6	19.1
4 1	13 47.45	− 8 42.4	1.626	2.598	6.4	18.9
4 11	13 39.17	− 7 44.1	1.613	2.613	2.0	18.7
4 21	13 30.59	− 6 45.8	1.628	2.627	3.1	18.8
5 1	13 22.73	− 5 54.0	1.670	2.640	7.4	19.1
5 11	13 16.47	− 5 14.2	1.737	2.654	11.3	19.3
5 21	13 12.33	− 4 49.3	1.826	2.668	14.6	19.6

457513 2008 VZ_{65} 4 15.5 184.°54 1.°7/14.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.89	− 8 12.7	1.760	2.600	14.2	22.3
3 22	13 57.23	− 7 31.5	1.682	2.601	10.6	22.1
4 1	13 49.27	− 6 40.3	1.628	2.601	6.4	21.8
4 11	13 39.79	− 5 44.1	1.601	2.600	2.2	21.6
4 21	13 29.82	− 4 49.0	1.602	2.599	3.7	21.6
5 1	13 20.48	− 4 1.4	1.631	2.596	8.0	21.9
5 11	13 12.75	− 3 26.9	1.685	2.593	12.1	22.1
5 21	13 7.28	− 3 8.3	1.761	2.590	15.6	22.3

62114 2000 RV_{99} 4 15.5 243.°79 3.°1/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 50.83	−29 59.3	5.033	5.751	7.3	19.9
3 22	13 47.18	−29 59.0	4.923	5.741	6.1	19.8
4 1	13 42.68	−29 48.9	4.837	5.731	4.9	19.7
4 11	13 37.65	−29 29.2	4.778	5.721	3.7	19.6
4 21	13 32.43	−29 0.8	4.747	5.711	3.1	19.6
5 1	13 27.39	−28 25.2	4.745	5.701	3.5	19.6
5 11	13 22.87	−27 44.8	4.772	5.690	4.6	19.7
5 21	13 19.14	−27 2.2	4.825	5.680	5.9	19.8

317080 2001 SZ_{258} 4 15.5 293.°51 1.°4/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.58	−15 38.9	1.658	2.491	15.3	21.0
3 22	13 54.31	−15 22.7	1.574	2.484	11.8	20.8
4 1	13 47.64	−14 50.0	1.511	2.476	7.6	20.5
4 11	13 39.32	−14 3.3	1.473	2.469	3.1	20.2
4 21	13 30.38	−13 7.4	1.461	2.462	2.6	20.2
5 1	13 21.99	−12 9.1	1.476	2.456	7.1	20.4
5 11	13 15.22	−11 16.1	1.516	2.449	11.5	20.7
5 21	13 10.75	−10 34.1	1.578	2.442	15.4	20.9

377924 2006 EX_{72} 4 15.5 89.°54 0.°1/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.97	−11 24.3	1.941	2.774	13.4	20.9
3 22	13 54.79	−11 7.8	1.873	2.786	10.0	20.7
4 1	13 47.63	−10 41.0	1.828	2.798	6.1	20.5
4 11	13 39.25	−10 7.4	1.811	2.810	1.9	20.3
4 21	13 30.53	− 9 31.1	1.821	2.822	2.4	20.3
5 1	13 22.45	− 8 57.1	1.860	2.834	6.5	20.6
5 11	13 15.81	− 8 30.1	1.924	2.845	10.2	20.8
5 21	13 11.15	− 8 13.3	2.011	2.857	13.3	21.1

427374 2014 XO 4 15.5 210.°24 3.°0/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 51.37	−29 1.9	5.003	5.727	7.3	21.5
3 22	13 47.56	−29 6.6	4.900	5.723	6.1	21.4
4 1	13 42.91	−29 1.9	4.821	5.720	4.8	21.3
4 11	13 37.73	−28 48.0	4.769	5.716	3.6	21.2
4 21	13 32.36	−28 25.7	4.745	5.712	3.0	21.2
5 1	13 27.17	−27 56.5	4.751	5.707	3.5	21.2
5 11	13 22.51	−27 22.7	4.785	5.703	4.6	21.3
5 21	13 18.65	−26 46.8	4.845	5.699	5.9	21.4

205266 2000 SM_{51} 4 15.5 261.°33 2.°3/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.01	−17 25.4	1.586	2.411	16.3	21.1
3 22	13 56.38	−17 18.7	1.494	2.398	12.7	20.8
4 1	13 49.06	−16 53.5	1.423	2.385	8.5	20.5
4 11	13 39.81	−16 11.1	1.376	2.371	4.0	20.2
4 21	13 29.75	−15 15.5	1.356	2.356	3.1	20.1
5 1	13 20.18	−14 13.8	1.362	2.342	7.5	20.4
5 11	13 12.34	−13 14.4	1.393	2.327	12.2	20.6
5 21	13 7.04	−12 24.6	1.445	2.313	16.4	20.8

53409 1999 LU_{7} 4 15.5 270.°78 0.°1/15.6 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.99	−14 26.9	2.097	2.904	13.5	23.4
3 22	14 0.57	−13 34.7	1.961	2.860	10.4	23.1
4 1	13 51.61	−12 24.2	1.850	2.814	6.6	22.8
4 11	13 40.66	−10 57.5	1.768	2.767	2.2	22.4
4 21	13 28.62	− 9 19.9	1.717	2.717	2.6	22.3
5 1	13 16.62	− 7 39.1	1.696	2.665	7.5	22.5
5 11	13 5.83	− 6 4.2	1.705	2.610	12.2	22.7
5 21	12 57.14	− 4 42.5	1.737	2.554	16.3	22.8

117513 2005 CA_{43} 4 15.5 348.°50 1.°5/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.14	−14 49.5	1.231	2.086	18.2	19.8
3 22	13 53.88	−14 43.4	1.157	2.080	14.0	19.5
4 1	13 47.67	−14 18.3	1.104	2.075	9.0	19.2
4 11	13 39.38	−13 37.1	1.072	2.070	3.6	18.9
4 21	13 30.33	−12 45.4	1.065	2.067	3.0	18.8
5 1	13 22.02	−11 51.8	1.082	2.064	8.5	19.1
5 11	13 15.76	−11 5.5	1.120	2.063	13.7	19.4
5 21	13 12.37	−10 33.0	1.178	2.062	18.2	19.7

405431 2004 SJ_{49} 4 15.5 241.°76 1.°5/14.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.36	− 7 34.0	1.698	2.539	14.6	21.7
3 22	13 58.63	− 7 15.7	1.607	2.525	11.0	21.4
4 1	13 50.33	− 6 48.6	1.538	2.511	6.7	21.1
4 11	13 40.21	− 6 16.8	1.496	2.495	2.3	20.8
4 21	13 29.31	− 5 45.2	1.482	2.480	3.6	20.9
5 1	13 18.89	− 5 19.5	1.495	2.463	8.3	21.1
5 11	13 10.09	− 5 4.8	1.533	2.446	12.8	21.3
5 21	13 3.71	− 5 4.0	1.593	2.429	16.7	21.5

86017 1999 JA_{101} 4 15.5 87.°53 12.°6/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.96	+24 19.6	1.813	2.632	14.8	18.4
3 22	13 57.10	+25 44.9	1.778	2.638	13.3	18.3
4 1	13 49.04	+26 49.8	1.765	2.644	12.6	18.3
4 11	13 39.67	+27 25.5	1.774	2.650	12.9	18.3
4 21	13 30.10	+27 27.3	1.805	2.656	14.0	18.4
5 1	13 21.41	+26 54.6	1.857	2.662	15.7	18.5
5 11	13 14.49	+25 50.6	1.927	2.668	17.4	18.7
5 21	13 9.82	+24 21.0	2.014	2.674	19.0	18.8

436729 2011 UO_{178} 4 15.5 234.°95 1.°6/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.57	− 5 57.6	2.993	3.826	9.2	22.4
3 22	13 51.79	− 5 20.1	2.895	3.810	6.8	22.2
4 1	13 45.65	− 4 37.5	2.823	3.794	4.1	22.0
4 11	13 38.64	− 3 53.0	2.780	3.777	1.8	21.8
4 21	13 31.28	− 3 10.1	2.768	3.760	2.8	21.9
5 1	13 24.19	− 2 32.5	2.785	3.742	5.6	22.0
5 11	13 17.93	− 2 3.2	2.830	3.724	8.3	22.2
5 21	13 12.94	− 1 44.2	2.899	3.705	10.7	22.3

521273 2015 HG_{194} 4 15.5 250.°73 4.°5/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.22	+ 2 14.4	2.366	3.220	10.6	21.7
3 22	13 51.01	+ 3 20.9	2.294	3.216	8.0	21.5
4 1	13 45.25	+ 4 28.2	2.247	3.211	5.6	21.3
4 11	13 38.51	+ 5 30.3	2.227	3.207	4.5	21.3
4 21	13 31.46	+ 6 22.1	2.236	3.203	5.9	21.3
5 1	13 24.82	+ 6 59.1	2.272	3.198	8.5	21.5
5 11	13 19.25	+ 7 19.0	2.333	3.193	11.1	21.7
5 21	13 15.20	+ 7 21.1	2.415	3.189	13.5	21.8

288405 2004 DY_{19} 4 15.5 91.°44 1.°8/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.45	− 7 59.5	2.207	3.048	11.7	21.2
3 22	13 51.89	− 6 51.8	2.147	3.067	8.5	21.0
4 1	13 45.73	− 5 36.3	2.112	3.086	5.1	20.8
4 11	13 38.64	− 4 18.3	2.106	3.104	2.1	20.6
4 21	13 31.36	− 3 3.9	2.129	3.122	3.4	20.7
5 1	13 24.65	− 1 58.7	2.180	3.140	6.7	21.0
5 11	13 19.15	− 1 7.0	2.258	3.157	9.9	21.2
5 21	13 15.29	− 0 30.9	2.358	3.174	12.6	21.4

198318 2004 TJ_{342} 4 15.5 295.°04 0.°6/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.62	−13 47.4	1.755	2.591	14.5	20.7
3 22	13 53.62	−13 23.2	1.654	2.568	11.1	20.4
4 1	13 47.29	−12 43.9	1.576	2.545	7.0	20.1
4 11	13 39.26	−11 52.0	1.523	2.521	2.5	19.8
4 21	13 30.48	−10 52.6	1.497	2.498	2.5	19.7
5 1	13 22.07	− 9 52.3	1.498	2.475	7.3	20.0
5 11	13 15.08	− 8 58.6	1.524	2.452	11.8	20.2
5 21	13 10.29	− 8 17.1	1.571	2.429	15.8	20.4

83613 2001 SR_{286} 4 15.5 226.°33 4.°9/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.15	+ 4 19.2	2.407	3.256	10.6	19.2
3 22	13 52.42	+ 5 16.3	2.333	3.250	8.1	19.1
4 1	13 46.11	+ 6 12.2	2.284	3.244	5.8	18.9
4 11	13 38.79	+ 7 1.4	2.263	3.238	4.9	18.8
4 21	13 31.14	+ 7 39.2	2.271	3.231	6.2	18.9
5 1	13 23.91	+ 8 1.8	2.305	3.225	8.7	19.0
5 11	13 17.77	+ 8 7.2	2.364	3.218	11.2	19.2
5 21	13 13.18	+ 7 55.4	2.445	3.210	13.6	19.4

333841 1121 $T\text{-}_{3}$ 4 15.5 245.°66 2.°7/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.22	−20 27.9	2.514	3.301	12.1	22.4
3 22	13 54.93	−20 21.9	2.402	3.281	9.6	22.2
4 1	13 47.80	−20 1.6	2.313	3.260	6.7	22.0
4 11	13 39.37	−19 27.6	2.252	3.238	3.8	21.8
4 21	13 30.38	−18 42.1	2.219	3.216	2.9	21.7
5 1	13 21.66	−17 49.0	2.217	3.192	5.4	21.8
5 11	13 14.02	−16 53.9	2.242	3.168	8.7	21.9
5 21	13 8.05	−16 1.9	2.292	3.144	11.7	22.1

363232 2001 XV_{47} 4 15.5 139.°81 11.°5/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 12.25	−52 9.1	2.704	3.247	16.1	20.5
3 22	14 4.65	−53 19.5	2.625	3.262	15.0	20.4
4 1	13 54.07	−54 4.3	2.561	3.276	13.8	20.3
4 11	13 41.40	−54 18.4	2.516	3.290	12.7	20.2
4 21	13 27.94	−53 59.3	2.491	3.302	11.9	20.2
5 1	13 15.23	−53 8.5	2.488	3.314	11.5	20.2
5 11	13 4.57	−51 51.6	2.508	3.326	11.8	20.2
5 21	12 56.79	−50 16.9	2.550	3.336	12.5	20.3

39775 1997 GB_{30} 4 15.5 331.°23 5.°0/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.79	+ 1 16.9	1.653	2.515	13.9	18.1
3 22	13 54.32	+ 1 58.2	1.579	2.507	10.5	17.9
4 1	13 47.57	+ 2 40.3	1.529	2.499	7.0	17.6
4 11	13 39.30	+ 3 16.4	1.504	2.492	5.1	17.5
4 21	13 30.52	+ 3 40.3	1.506	2.485	6.7	17.6
5 1	13 22.33	+ 3 47.1	1.532	2.479	10.2	17.8
5 11	13 15.70	+ 3 34.4	1.582	2.473	13.8	18.0
5 21	13 11.29	+ 3 2.5	1.652	2.467	17.1	18.2

386214 2007 WB_4 4 15.5 123.°23 3.°0/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.87	− 0 37.1	2.273	3.114	11.4	20.8
3 22	13 55.92	− 0 23.7	2.202	3.120	8.5	20.6
4 1	13 48.23	− 0 9.7	2.157	3.126	5.4	20.4
4 11	13 39.45	+ 0 1.2	2.139	3.131	3.1	20.2
4 21	13 30.38	+ 0 5.6	2.151	3.137	4.3	20.3
5 1	13 21.83	+ 0 0.7	2.191	3.142	7.3	20.5
5 11	13 14.55	− 0 15.2	2.258	3.147	10.3	20.7
5 21	13 9.02	− 0 42.3	2.348	3.153	13.0	20.9

300155 2006 VZ_{91} 4 15.5 49.°09 0.°2/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.90	−10 7.8	2.250	3.081	11.9	20.8
3 22	13 53.85	−10 3.2	2.171	3.083	8.9	20.6
4 1	13 47.04	− 9 51.1	2.116	3.085	5.4	20.4
4 11	13 39.10	− 9 33.9	2.088	3.087	1.7	20.2
4 21	13 30.79	− 9 14.7	2.089	3.090	2.2	20.2
5 1	13 22.94	− 8 57.2	2.119	3.092	5.9	20.4
5 11	13 16.29	− 8 45.0	2.175	3.094	9.3	20.7
5 21	13 11.37	− 8 40.7	2.255	3.096	12.2	20.9

499036 2009 DU_{53} 4 15.5 347.°82 3.°1/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.55	− 5 52.2	1.114	1.994	17.8	20.9
3 22	13 53.58	− 5 19.7	1.047	1.986	13.3	20.6
4 1	13 47.54	− 4 36.8	0.999	1.979	8.2	20.3
4 11	13 39.37	− 3 50.7	0.974	1.972	3.5	20.0
4 21	13 30.43	− 3 9.9	0.971	1.968	5.4	20.0
5 1	13 22.29	− 2 42.8	0.991	1.964	10.8	20.3
5 11	13 16.29	− 2 35.4	1.032	1.961	16.0	20.6
5 21	13 13.25	− 2 49.7	1.090	1.960	20.4	20.9

510327 2011 SD_{37} 4 15.5 207.°57 0.°6/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.75	−11 17.5	2.692	3.520	10.2	22.0
3 22	13 50.53	−10 21.8	2.604	3.516	7.6	21.9
4 1	13 44.92	− 9 16.5	2.542	3.512	4.6	21.7
4 11	13 38.42	− 8 5.3	2.508	3.508	1.4	21.4
4 21	13 31.62	− 6 52.8	2.504	3.503	2.2	21.5
5 1	13 25.19	− 5 44.0	2.531	3.498	5.4	21.7
5 11	13 19.71	− 4 43.4	2.585	3.493	8.4	21.9
5 21	13 15.59	− 3 54.3	2.663	3.487	11.1	22.0

203779 2002 SK_{63} 4 15.5 270.°39 0.°2/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.39	−11 0.3	2.122	2.954	12.4	21.2
3 22	13 53.71	−10 41.7	2.027	2.940	9.4	21.0
4 1	13 47.10	−10 13.3	1.956	2.926	5.8	20.7
4 11	13 39.16	− 9 37.9	1.913	2.912	1.8	20.5
4 21	13 30.69	− 8 59.5	1.897	2.898	2.4	20.5
5 1	13 22.60	− 8 22.9	1.910	2.883	6.4	20.7
5 11	13 15.73	− 7 52.9	1.949	2.868	10.2	20.9
5 21	13 10.68	− 7 32.9	2.011	2.854	13.4	21.1

279271 2009 VR_{114} 4 15.5 122.°74 2.°6/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.92	− 4 1.9	2.123	2.967	12.0	21.2
3 22	13 54.55	− 3 23.5	2.058	2.978	8.8	21.0
4 1	13 47.42	− 2 40.9	2.018	2.990	5.4	20.8
4 11	13 39.20	− 1 58.7	2.005	3.001	2.7	20.7
4 21	13 30.72	− 1 21.7	2.021	3.011	4.0	20.8
5 1	13 22.82	− 0 54.2	2.066	3.022	7.3	21.0
5 11	13 16.23	− 0 39.2	2.136	3.032	10.5	21.2
5 21	13 11.45	− 0 38.0	2.229	3.041	13.3	21.4

44953 1999 VB_{72} 4 15.5 137.°14 4.°0/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.03	− 1 23.8	1.863	2.714	13.1	19.1
3 22	13 55.59	− 0 25.4	1.801	2.724	9.7	18.9
4 1	13 48.14	+ 0 36.2	1.763	2.733	6.2	18.7
4 11	13 39.44	+ 1 34.4	1.752	2.742	4.1	18.6
4 21	13 30.44	+ 2 23.0	1.770	2.751	5.6	18.7
5 1	13 22.11	+ 2 56.8	1.814	2.759	9.0	18.9
5 11	13 15.29	+ 3 12.9	1.883	2.767	12.3	19.1
5 21	13 10.49	+ 3 10.7	1.973	2.774	15.2	19.3

249784 2000 WD_{146} 4 15.5 246.°97 2.°3/12.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.99	− 5 9.2	2.762	3.602	9.6	21.0
3 22	13 50.73	− 3 59.4	2.666	3.586	7.1	20.8
4 1	13 45.07	− 2 43.0	2.597	3.568	4.4	20.6
4 11	13 38.49	− 1 24.5	2.557	3.551	2.4	20.5
4 21	13 31.55	− 0 9.1	2.547	3.533	3.7	20.5
5 1	13 24.91	+ 0 58.3	2.566	3.514	6.5	20.7
5 11	13 19.15	+ 1 53.6	2.613	3.495	9.3	20.8
5 21	13 14.72	+ 2 34.4	2.683	3.476	11.8	21.0

428889 2008 UW_{335} 4 15.5 174.°28 0.°8/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.12	−14 37.5	2.215	3.036	12.4	21.9
3 22	13 53.33	−14 12.5	2.132	3.037	9.4	21.7
4 1	13 46.76	−13 35.4	2.074	3.038	5.9	21.5
4 11	13 39.03	−12 48.7	2.042	3.039	2.2	21.2
4 21	13 30.93	−11 56.7	2.039	3.040	2.0	21.2
5 1	13 23.30	−11 4.3	2.064	3.040	5.7	21.4
5 11	13 16.91	−10 16.9	2.117	3.040	9.2	21.7
5 21	13 12.26	− 9 38.5	2.193	3.040	12.3	21.9

152941 2000 FM_{10} 4 15.5 259.°64 1.°1/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 24.57	−14 41.3	1.470	2.267	18.7	21.2
3 22	14 15.65	−14 26.3	1.334	2.226	14.9	20.8
4 1	14 2.11	−13 50.8	1.221	2.180	9.8	20.4
4 11	13 44.41	−12 53.1	1.134	2.131	3.7	19.9
4 21	13 23.89	−11 35.6	1.078	2.078	3.8	19.7
5 1	13 2.78	−10 6.8	1.053	2.021	11.1	19.9
5 11	12 43.56	− 8 40.0	1.057	1.959	18.2	20.1
5 21	12 28.05	− 7 27.5	1.083	1.893	24.5	20.3

251028 2006 QO_{79} 4 15.5 174.°79 2.°8/12.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.64	− 5 16.3	2.132	2.974	12.0	21.9
3 22	13 54.42	− 4 6.3	2.057	2.978	8.9	21.7
4 1	13 47.39	− 2 49.1	2.008	2.980	5.4	21.5
4 11	13 39.23	− 1 30.7	1.987	2.982	2.8	21.4
4 21	13 30.72	− 0 17.4	1.996	2.983	4.4	21.5
5 1	13 22.75	+ 0 44.7	2.033	2.984	7.8	21.7
5 11	13 16.06	+ 1 31.4	2.096	2.983	11.1	21.9
5 21	13 11.16	+ 2 0.4	2.181	2.982	13.9	22.1

19379 Labrecque 4 15.5 164.°01 9.°9/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 11.83	−39 54.7	2.277	2.938	16.5	18.5
3 22	14 4.29	−41 7.9	2.190	2.945	14.7	18.4
4 1	13 53.87	−41 57.4	2.122	2.952	12.8	18.2
4 11	13 41.38	−42 18.3	2.076	2.958	11.0	18.1
4 21	13 28.04	−42 8.0	2.055	2.963	10.0	18.1
5 1	13 15.25	−41 28.5	2.060	2.967	10.2	18.1
5 11	13 4.30	−40 26.5	2.090	2.970	11.4	18.2
5 21	12 56.06	−39 10.9	2.143	2.972	13.2	18.3

133407 2003 SJ_{173} 4 15.5 178.°52 2.°5/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.50	− 3 51.3	2.462	3.302	10.7	20.8
3 22	13 53.37	− 3 8.4	2.385	3.304	7.9	20.6
4 1	13 46.68	− 2 21.3	2.334	3.305	4.9	20.4
4 11	13 39.00	− 1 34.3	2.311	3.305	2.5	20.3
4 21	13 31.02	− 0 51.8	2.317	3.306	3.8	20.4
5 1	13 23.47	− 0 17.9	2.353	3.305	6.8	20.6
5 11	13 17.02	+ 0 4.3	2.415	3.304	9.7	20.7
5 21	13 12.12	+ 0 13.4	2.500	3.303	12.3	20.9

105243 2000 PB_{26} 4 15.5 145.°78 4.°6/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.68	−29 43.5	3.326	4.046	10.7	19.9
3 22	13 55.56	−30 11.9	3.238	4.057	9.0	19.8
4 1	13 47.96	−30 26.4	3.174	4.069	7.1	19.7
4 11	13 39.41	−30 26.2	3.136	4.079	5.4	19.6
4 21	13 30.52	−30 11.9	3.127	4.090	4.7	19.5
5 1	13 21.98	−29 45.6	3.148	4.099	5.3	19.6
5 11	13 14.42	−29 11.1	3.197	4.108	6.9	19.7
5 21	13 8.29	−28 32.4	3.272	4.117	8.7	19.8

153786 2001 VH_{65} 4 15.5 160.°73 1.°0/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.75	−14 45.8	2.140	2.957	12.9	21.0
3 22	13 55.33	−14 29.4	2.060	2.962	9.8	20.8
4 1	13 48.00	−14 0.8	2.004	2.967	6.2	20.6
4 11	13 39.44	−13 22.4	1.975	2.972	2.4	20.3
4 21	13 30.50	−12 37.9	1.975	2.976	2.1	20.3
5 1	13 22.08	−11 52.4	2.003	2.979	5.9	20.5
5 11	13 15.00	−11 11.0	2.059	2.982	9.5	20.8
5 21	13 9.80	−10 38.1	2.138	2.984	12.6	21.0

299871 2006 SL_{293} 4 15.5 42.°70 2.°5/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.08	−18 53.1	2.167	2.973	13.1	20.5
3 22	13 53.42	−18 54.5	2.084	2.975	10.3	20.3
4 1	13 46.88	−18 41.6	2.023	2.977	7.0	20.1
4 11	13 39.10	−18 15.7	1.989	2.979	3.7	19.9
4 21	13 30.91	−17 39.6	1.982	2.980	2.8	19.9
5 1	13 23.18	−16 57.8	2.004	2.982	5.7	20.0
5 11	13 16.73	−16 15.5	2.052	2.984	9.0	20.2
5 21	13 12.12	−15 37.9	2.124	2.986	12.1	20.4

139012 2001 DH_{45} 4 15.5 297.°23 4.°4/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.26	− 3 34.8	1.469	2.336	15.1	19.2
3 22	13 53.59	− 2 22.4	1.385	2.318	11.3	18.9
4 1	13 47.36	− 1 0.1	1.325	2.300	7.2	18.6
4 11	13 39.34	+ 0 23.8	1.288	2.282	4.4	18.4
4 21	13 30.58	+ 1 39.9	1.278	2.264	6.5	18.5
5 1	13 22.34	+ 2 39.1	1.292	2.246	10.9	18.7
5 11	13 15.77	+ 3 15.1	1.329	2.229	15.3	18.9
5 21	13 11.63	+ 3 25.6	1.384	2.212	19.2	19.1

306951 2001 UV_{170} 4 15.5 225.°59 0.°9/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.75	−15 36.0	2.290	3.103	12.3	21.9
3 22	13 54.62	−15 6.6	2.191	3.091	9.4	21.7
4 1	13 47.62	−14 23.8	2.116	3.078	6.0	21.4
4 11	13 39.35	−13 29.8	2.068	3.065	2.4	21.2
4 21	13 30.59	−12 28.8	2.049	3.050	2.0	21.1
5 1	13 22.21	−11 26.0	2.060	3.036	5.8	21.3
5 11	13 15.00	−10 27.3	2.099	3.020	9.4	21.5
5 21	13 9.57	− 9 37.5	2.161	3.004	12.6	21.7

422430 2014 SH_{288} 4 15.5 262.°65 1.°0/14.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.47	− 9 0.1	1.616	2.459	15.2	21.8
3 22	13 58.21	− 8 42.9	1.520	2.439	11.5	21.6
4 1	13 50.24	− 8 15.1	1.447	2.419	7.1	21.2
4 11	13 40.28	− 7 40.2	1.399	2.398	2.2	20.9
4 21	13 29.42	− 7 3.3	1.378	2.377	3.4	20.9
5 1	13 18.97	− 6 30.7	1.384	2.355	8.5	21.1
5 11	13 10.18	− 6 8.5	1.414	2.333	13.3	21.4
5 21	13 3.88	− 6 0.5	1.466	2.310	17.4	21.6

15831 1995 BG_3 4 15.5 8.°21 6.°7/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.89	−29 36.8	1.866	2.632	16.4	17.4
3 22	13 53.78	−29 57.7	1.783	2.633	13.8	17.2
4 1	13 47.33	−29 55.0	1.719	2.634	10.8	17.1
4 11	13 39.29	−29 27.2	1.677	2.635	8.1	16.9
4 21	13 30.69	−28 35.9	1.661	2.636	6.7	16.8
5 1	13 22.66	−27 26.1	1.671	2.638	7.7	16.9
5 11	13 16.25	−26 6.2	1.706	2.640	10.4	17.0
5 21	13 12.09	−24 44.9	1.764	2.643	13.3	17.2

276540 2003 ST_{80} 4 15.5 278.°45 3.°5/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.87	−22 2.5	1.997	2.795	14.4	20.6
3 22	13 53.63	−21 53.3	1.893	2.777	11.5	20.4
4 1	13 47.22	−21 25.1	1.811	2.758	8.2	20.2
4 11	13 39.28	−20 38.4	1.755	2.740	4.8	19.9
4 21	13 30.68	−19 35.9	1.725	2.721	3.6	19.8
5 1	13 22.46	−18 23.5	1.723	2.702	6.4	19.9
5 11	13 15.58	−17 8.5	1.748	2.683	10.1	20.1
5 21	13 10.74	−15 58.4	1.795	2.664	13.7	20.3

227434 2005 VV_{123} 4 15.5 230.°95 0.°5/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.33	−11 36.8	1.985	2.820	13.1	20.5
3 22	13 53.73	−10 54.4	1.898	2.813	9.8	20.3
4 1	13 47.14	− 9 59.6	1.834	2.805	6.0	20.0
4 11	13 39.21	− 8 56.4	1.797	2.797	1.8	19.7
4 21	13 30.80	− 7 50.3	1.789	2.788	2.6	19.8
5 1	13 22.87	− 6 47.7	1.808	2.780	6.8	20.0
5 11	13 16.26	− 5 54.7	1.854	2.771	10.7	20.2
5 21	13 11.56	− 5 15.4	1.922	2.761	14.1	20.4

343553 2010 FW_{29} 4 15.5 251.°97 2.°5/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.27	− 5 29.3	2.117	2.966	11.8	21.1
3 22	13 52.01	− 4 34.5	2.038	2.962	8.7	20.9
4 1	13 45.99	− 3 32.8	1.984	2.958	5.3	20.7
4 11	13 38.83	− 2 29.4	1.957	2.953	2.6	20.5
4 21	13 31.29	− 1 30.0	1.959	2.949	4.1	20.6
5 1	13 24.21	− 0 40.2	1.988	2.945	7.5	20.8
5 11	13 18.33	− 0 4.1	2.042	2.940	10.8	21.0
5 21	13 14.17	+ 0 16.0	2.119	2.936	13.8	21.2

199518 2006 DQ_{141} 4 15.5 185.°82 1.°4/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.88	− 7 47.6	2.156	2.995	12.0	20.9
3 22	13 53.92	− 7 13.0	2.077	2.995	8.9	20.7
4 1	13 47.14	− 6 30.9	2.022	2.994	5.4	20.4
4 11	13 39.19	− 5 45.3	1.995	2.994	1.9	20.2
4 21	13 30.87	− 5 0.8	1.996	2.993	3.1	20.3
5 1	13 23.03	− 4 22.2	2.026	2.991	6.7	20.5
5 11	13 16.43	− 3 53.8	2.082	2.990	10.2	20.7
5 21	13 11.61	− 3 38.0	2.161	2.988	13.2	20.9

318635 2005 LN_{12} 4 15.5 238.°06 4.°6/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.28	− 0 20.5	1.935	2.788	12.6	20.4
3 22	13 54.46	+ 0 49.1	1.852	2.776	9.5	20.2
4 1	13 47.60	+ 2 2.8	1.795	2.764	6.3	20.0
4 11	13 39.37	+ 3 13.8	1.765	2.752	4.6	19.8
4 21	13 30.63	+ 4 15.0	1.763	2.738	6.3	19.9
5 1	13 22.37	+ 5 0.3	1.787	2.725	9.6	20.1
5 11	13 15.45	+ 5 25.9	1.836	2.711	13.0	20.2
5 21	13 10.48	+ 5 30.7	1.905	2.697	16.0	20.4

118483 2000 CJ_{16} 4 15.5 328.°37 4.°2/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.52	− 5 17.7	1.200	2.075	17.2	19.1
3 22	13 54.11	− 4 4.9	1.132	2.069	12.8	18.8
4 1	13 47.79	− 2 39.7	1.085	2.063	7.9	18.5
4 11	13 39.49	− 1 11.7	1.061	2.057	4.3	18.3
4 21	13 30.50	+ 0 8.0	1.062	2.052	6.6	18.4
5 1	13 22.29	+ 1 9.0	1.085	2.048	11.5	18.6
5 11	13 16.12	+ 1 44.4	1.130	2.043	16.3	18.9
5 21	13 12.75	+ 1 52.4	1.193	2.040	20.5	19.1

471440 2011 UL_{115} 4 15.5 134.°94 1.°5/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.12	−17 51.2	2.739	3.540	10.8	21.6
3 22	13 51.53	−17 26.0	2.658	3.549	8.3	21.4
4 1	13 45.53	−16 49.0	2.601	3.558	5.5	21.3
4 11	13 38.66	−16 2.2	2.573	3.566	2.6	21.1
4 21	13 31.53	−15 9.0	2.574	3.574	1.9	21.0
5 1	13 24.82	−14 13.4	2.604	3.581	4.6	21.2
5 11	13 19.11	−13 20.1	2.663	3.589	7.5	21.4
5 21	13 14.81	−12 32.9	2.747	3.596	10.1	21.6

93463 2000 SC_{368} 4 15.5 236.°55 1.°8/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.44	− 7 44.3	1.942	2.787	12.9	20.4
3 22	13 53.83	− 6 58.8	1.859	2.780	9.6	20.2
4 1	13 47.20	− 6 4.2	1.800	2.773	5.8	20.0
4 11	13 39.24	− 5 5.1	1.767	2.766	2.2	19.7
4 21	13 30.81	− 4 7.5	1.763	2.758	3.6	19.8
5 1	13 22.86	− 3 17.3	1.786	2.750	7.6	20.0
5 11	13 16.26	− 2 39.7	1.835	2.742	11.3	20.2
5 21	13 11.60	− 2 17.5	1.905	2.734	14.6	20.4

133390 2003 SL_{160} 4 15.5 318.°26 0.°3/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.89	−10 49.4	1.740	2.579	14.4	19.5
3 22	13 55.98	−10 57.9	1.654	2.570	10.9	19.2
4 1	13 48.70	−10 57.1	1.590	2.561	6.8	19.0
4 11	13 39.76	−10 49.0	1.553	2.552	2.3	18.6
4 21	13 30.17	−10 37.0	1.542	2.543	2.5	18.6
5 1	13 21.07	−10 25.2	1.559	2.535	7.2	18.9
5 11	13 13.51	−10 18.5	1.600	2.528	11.4	19.1
5 21	13 8.20	−10 20.2	1.664	2.520	15.1	19.4

397381 2006 UA_{361} 4 15.5 216.°23 3.°7/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.47	+ 1 33.3	2.559	3.403	10.2	21.1
3 22	13 53.34	+ 2 9.2	2.480	3.398	7.7	20.9
4 1	13 46.68	+ 2 45.2	2.426	3.392	5.1	20.7
4 11	13 39.04	+ 3 17.0	2.401	3.386	3.7	20.6
4 21	13 31.08	+ 3 40.7	2.405	3.380	4.9	20.7
5 1	13 23.51	+ 3 53.1	2.438	3.374	7.4	20.8
5 11	13 16.98	+ 3 52.2	2.496	3.368	10.1	21.0
5 21	13 11.95	+ 3 37.7	2.577	3.361	12.5	21.1

370928 2005 OM_6 4 15.5 211.°53 0.°2/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.17	−11 9.7	2.269	3.093	12.0	22.4
3 22	13 55.64	−10 47.0	2.177	3.086	9.0	22.1
4 1	13 48.23	−10 14.6	2.109	3.078	5.6	21.9
4 11	13 39.57	− 9 35.5	2.069	3.069	1.7	21.6
4 21	13 30.44	− 8 53.6	2.059	3.059	2.3	21.7
5 1	13 21.71	− 8 13.4	2.078	3.049	6.1	21.9
5 11	13 14.20	− 7 39.6	2.124	3.038	9.7	22.1
5 21	13 8.46	− 7 15.6	2.194	3.026	12.8	22.3

11880 1990 QQ_4 4 15.5 224.°77 0.°1/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.82	−11 0.3	2.026	2.857	13.0	18.0
3 22	13 55.56	−10 53.1	1.941	2.853	9.8	17.8
4 1	13 48.26	−10 36.6	1.880	2.849	6.0	17.5
4 11	13 39.59	−10 13.3	1.845	2.844	1.9	17.2
4 21	13 30.42	− 9 46.9	1.839	2.840	2.3	17.2
5 1	13 21.73	− 9 21.6	1.861	2.835	6.5	17.5
5 11	13 14.40	− 9 2.1	1.909	2.830	10.3	17.7
5 21	13 9.01	− 8 51.5	1.981	2.825	13.6	17.9

338619 2003 SU_{229} 4 15.5 295.°20 1.°5/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.88	− 6 24.5	1.835	2.678	13.6	21.0
3 22	13 56.71	− 6 22.1	1.737	2.657	10.2	20.8
4 1	13 49.18	− 6 14.0	1.663	2.635	6.3	20.5
4 11	13 39.94	− 6 3.3	1.615	2.614	2.2	20.2
4 21	13 29.94	− 5 53.9	1.594	2.592	3.4	20.2
5 1	13 20.29	− 5 49.8	1.601	2.571	7.8	20.4
5 11	13 12.06	− 5 54.9	1.634	2.549	12.0	20.6
5 21	13 6.00	− 6 11.5	1.688	2.528	15.7	20.8

428886 2008 UJ_{315} 4 15.5 110.°20 2.°5/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.02	−18 8.8	1.990	2.800	14.0	21.3
3 22	13 55.04	−18 14.9	1.908	2.802	10.9	21.1
4 1	13 47.97	−18 6.5	1.848	2.804	7.4	20.9
4 11	13 39.51	−17 44.6	1.815	2.806	3.8	20.7
4 21	13 30.57	−17 12.1	1.809	2.808	2.9	20.6
5 1	13 22.16	−16 33.7	1.831	2.809	6.1	20.8
5 11	13 15.16	−15 55.1	1.879	2.811	9.7	21.1
5 21	13 10.18	−15 21.5	1.951	2.813	13.0	21.3

500068 2011 UY_{381} 4 15.5 190.°85 3.°9/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.03	+ 3 7.6	2.808	3.651	9.4	21.5
3 22	13 52.14	+ 3 52.5	2.734	3.650	7.1	21.3
4 1	13 45.89	+ 4 36.7	2.687	3.649	4.9	21.2
4 11	13 38.80	+ 5 15.8	2.668	3.647	3.9	21.1
4 21	13 31.46	+ 5 46.2	2.678	3.644	5.1	21.2
5 1	13 24.48	+ 6 4.7	2.716	3.642	7.3	21.3
5 11	13 18.44	+ 6 9.7	2.781	3.639	9.6	21.5
5 21	13 13.75	+ 6 0.9	2.867	3.635	11.7	21.6

373520 2001 SM_{146} 4 15.5 198.°41 4.°9/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.99	−23 54.0	2.172	2.942	14.3	22.1
3 22	13 59.57	−24 35.8	2.078	2.939	11.6	21.9
4 1	13 50.83	−25 2.1	2.007	2.936	8.7	21.7
4 11	13 40.46	−25 11.0	1.961	2.932	6.0	21.6
4 21	13 29.41	−25 3.0	1.944	2.928	5.0	21.5
5 1	13 18.77	−24 40.7	1.956	2.923	6.8	21.6
5 11	13 9.57	−24 9.7	1.994	2.917	9.7	21.8
5 21	13 2.52	−23 36.0	2.057	2.912	12.7	21.9

281522 2008 TJ_{75} 4 15.5 201.°66 0.°4/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.60	−13 59.1	2.143	2.968	12.6	21.2
3 22	13 53.05	−13 24.8	2.058	2.967	9.5	21.0
4 1	13 46.66	−12 37.8	1.997	2.964	5.9	20.7
4 11	13 39.09	−11 41.3	1.964	2.962	2.0	20.5
4 21	13 31.11	−10 40.0	1.958	2.960	2.1	20.5
5 1	13 23.61	− 9 39.5	1.982	2.957	6.0	20.7
5 11	13 17.35	− 8 45.6	2.032	2.954	9.6	20.9
5 21	13 12.87	− 8 2.5	2.105	2.951	12.8	21.1

386146 2007 TM_{188} 4 15.5 121.°36 0.°2/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.14	−11 22.3	2.611	3.433	10.7	22.5
3 22	13 53.00	−10 51.6	2.541	3.450	7.9	22.4
4 1	13 46.41	−10 12.8	2.498	3.466	4.8	22.2
4 11	13 38.96	− 9 28.8	2.483	3.482	1.5	22.0
4 21	13 31.31	− 8 43.4	2.497	3.497	1.9	22.0
5 1	13 24.12	− 8 0.6	2.542	3.512	5.2	22.3
5 11	13 18.02	− 7 24.2	2.614	3.526	8.2	22.5
5 21	13 13.39	− 6 56.9	2.710	3.540	10.7	22.7

414102 2007 TJ_{298} 4 15.5 233.°73 0.°9/14.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.24	− 9 55.8	1.928	2.761	13.5	22.3
3 22	13 56.82	− 9 21.2	1.833	2.747	10.1	22.1
4 1	13 49.16	− 8 35.5	1.761	2.732	6.2	21.8
4 11	13 39.93	− 7 42.4	1.716	2.715	2.0	21.5
4 21	13 30.06	− 6 47.1	1.700	2.699	3.0	21.5
5 1	13 20.61	− 5 55.9	1.712	2.681	7.4	21.7
5 11	13 12.56	− 5 14.6	1.750	2.662	11.5	21.9
5 21	13 6.60	− 4 47.1	1.811	2.643	15.1	22.1

205701 2002 AC_{13} 4 15.5 354.°57 4.°7/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.55	− 3 21.9	1.251	2.126	16.6	19.8
3 22	13 53.98	− 2 12.5	1.188	2.124	12.3	19.5
4 1	13 47.64	− 0 54.5	1.145	2.122	7.8	19.3
4 11	13 39.46	+ 0 22.4	1.126	2.120	4.8	19.1
4 21	13 30.70	+ 1 28.2	1.132	2.120	6.9	19.2
5 1	13 22.74	+ 2 14.2	1.161	2.119	11.4	19.5
5 11	13 16.76	+ 2 35.2	1.212	2.120	15.9	19.7
5 21	13 13.44	+ 2 30.5	1.280	2.120	19.7	20.0

138524 2000 OJ_{8} 4 15.5 118.°50 0.°9/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.95	−16 13.8	2.487	3.283	12.0	22.1
3 22	13 57.96	−15 34.6	2.424	3.315	9.0	21.9
4 1	13 49.37	−14 43.2	2.387	3.346	5.7	21.8
4 11	13 39.88	−13 42.7	2.379	3.375	2.2	21.6
4 21	13 30.27	−12 37.4	2.403	3.403	1.8	21.6
5 1	13 21.34	−11 32.4	2.457	3.430	5.2	21.9
5 11	13 13.74	−10 32.9	2.541	3.456	8.3	22.1
5 21	13 7.90	− 9 42.7	2.650	3.480	11.0	22.3

287389 2002 VX_{53} 4 15.5 190.°17 0.°6/16.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.66	−13 57.9	1.690	2.517	15.3	22.2
3 22	13 58.05	−13 32.9	1.608	2.517	11.7	21.9
4 1	13 49.96	−12 52.6	1.548	2.515	7.3	21.7
4 11	13 40.18	−12 0.3	1.515	2.513	2.6	21.4
4 21	13 29.82	−11 1.2	1.509	2.510	2.6	21.4
5 1	13 20.09	−10 2.4	1.531	2.507	7.4	21.7
5 11	13 12.07	− 9 11.2	1.579	2.502	11.8	21.9
5 21	13 6.45	− 8 32.6	1.648	2.497	15.6	22.1

387302 2012 VK_{20} 4 15.5 32.°50 0.°5/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.04	− 8 33.4	1.832	2.673	13.7	20.1
3 22	13 55.78	− 8 39.7	1.763	2.681	10.2	19.9
4 1	13 48.40	− 8 38.9	1.717	2.689	6.2	19.7
4 11	13 39.66	− 8 33.8	1.698	2.698	1.9	19.4
4 21	13 30.52	− 8 27.7	1.707	2.707	2.6	19.5
5 1	13 22.01	− 8 24.2	1.743	2.717	6.8	19.8
5 11	13 15.02	− 8 26.9	1.805	2.727	10.7	20.0
5 21	13 10.13	− 8 38.0	1.889	2.737	14.0	20.3

222722 2002 AO_{149} 4 15.6 96.°93 0.°9/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.52	−14 30.6	1.878	2.704	14.1	20.8
3 22	13 55.32	−14 11.8	1.811	2.718	10.7	20.6
4 1	13 48.07	−13 39.8	1.767	2.732	6.7	20.4
4 11	13 39.54	−12 57.5	1.749	2.747	2.5	20.2
4 21	13 30.68	−12 9.5	1.759	2.760	2.2	20.2
5 1	13 22.49	−11 21.6	1.797	2.774	6.3	20.5
5 11	13 15.83	−10 39.4	1.861	2.788	10.1	20.7
5 21	13 11.22	−10 7.3	1.948	2.801	13.4	21.0

471180 2010 KF_{23} 4 15.6 269.°49 3.°6/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.82	−24 7.7	2.694	3.465	11.8	21.2
3 22	13 53.15	−24 7.4	2.577	3.441	9.6	21.0
4 1	13 46.76	−23 52.0	2.483	3.416	7.1	20.8
4 11	13 39.17	−23 21.5	2.415	3.391	4.6	20.6
4 21	13 31.03	−22 37.4	2.376	3.365	3.6	20.5
5 1	13 23.14	−21 43.2	2.366	3.339	5.3	20.5
5 11	13 16.22	−20 44.0	2.384	3.312	8.1	20.7
5 21	13 10.86	−19 45.0	2.426	3.286	10.9	20.8

381819 2009 VM_{60} 4 15.6 189.°62 4.°4/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.94	+ 0 35.6	2.365	3.213	10.8	22.2
3 22	13 53.06	+ 2 4.5	2.291	3.212	8.1	22.0
4 1	13 46.57	+ 3 36.3	2.245	3.210	5.5	21.8
4 11	13 39.06	+ 5 4.3	2.227	3.207	4.4	21.8
4 21	13 31.23	+ 6 22.2	2.238	3.204	5.9	21.8
5 1	13 23.84	+ 7 24.6	2.278	3.201	8.6	22.0
5 11	13 17.57	+ 8 8.2	2.343	3.196	11.3	22.2
5 21	13 12.88	+ 8 32.1	2.429	3.191	13.7	22.3

465144 2007 BK_{76} 4 15.6 97.°20 5.°1/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.74	+ 0 52.5	1.726	2.585	13.6	21.6
3 22	13 54.79	+ 1 59.2	1.670	2.595	10.2	21.4
4 1	13 47.76	+ 3 7.0	1.636	2.605	6.8	21.3
4 11	13 39.44	+ 4 8.5	1.630	2.615	5.1	21.2
4 21	13 30.82	+ 4 56.8	1.650	2.624	6.8	21.3
5 1	13 22.91	+ 5 26.8	1.696	2.634	10.0	21.5
5 11	13 16.57	+ 5 35.9	1.765	2.643	13.3	21.7
5 21	13 12.32	+ 5 24.5	1.855	2.652	16.1	21.9

496148 2010 SZ_{19} 4 15.6 223.°74 0.°8/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.00	−14 20.1	1.982	2.802	13.7	22.7
3 22	13 56.60	−14 2.1	1.888	2.792	10.4	22.5
4 1	13 49.01	−13 30.8	1.817	2.782	6.6	22.2
4 11	13 39.90	−12 48.5	1.773	2.770	2.5	21.9
4 21	13 30.20	−11 59.1	1.757	2.758	2.3	21.9
5 1	13 20.93	−11 8.4	1.770	2.745	6.5	22.1
5 11	13 13.06	−10 22.4	1.809	2.732	10.6	22.3
5 21	13 7.25	− 9 46.0	1.871	2.718	14.1	22.5

164219 2004 QK_{3} 4 15.6 171.°92 11.°1/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 14.55	−31 19.3	1.409	2.164	21.3	20.6
3 22	14 7.61	−33 8.9	1.331	2.167	18.4	20.3
4 1	13 56.63	−34 34.1	1.271	2.169	15.2	20.1
4 11	13 42.53	−35 26.1	1.233	2.171	12.4	20.0
4 21	13 26.96	−35 39.5	1.218	2.172	11.1	19.9
5 1	13 12.08	−35 16.2	1.227	2.172	12.3	20.0
5 11	12 59.87	−34 26.0	1.259	2.172	15.0	20.1
5 21	12 51.51	−33 22.2	1.311	2.171	18.2	20.3

303915 2005 UQ_{81} 4 15.6 249.°54 0.°9/14.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.11	− 7 31.1	2.600	3.430	10.5	20.9
3 22	13 53.92	− 7 20.5	2.505	3.418	7.8	20.7
4 1	13 47.13	− 7 4.5	2.435	3.405	4.7	20.5
4 11	13 39.27	− 6 45.8	2.394	3.393	1.6	20.3
4 21	13 30.98	− 6 27.2	2.382	3.380	2.4	20.3
5 1	13 23.02	− 6 12.1	2.400	3.367	5.7	20.5
5 11	13 16.05	− 6 3.3	2.445	3.353	8.8	20.7
5 21	13 10.59	− 6 3.0	2.514	3.339	11.6	20.8

111402 2001 XA_{176} 4 15.6 241.°32 0.°2/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.54	−13 17.1	1.728	2.560	14.8	20.4
3 22	13 56.57	−12 45.0	1.634	2.546	11.3	20.1
4 1	13 49.14	−11 57.4	1.563	2.532	7.1	19.8
4 11	13 39.99	−10 57.7	1.518	2.517	2.3	19.5
4 21	13 30.11	− 9 51.4	1.500	2.501	2.6	19.5
5 1	13 20.70	− 8 45.9	1.510	2.484	7.5	19.7
5 11	13 12.85	− 7 48.8	1.545	2.468	12.1	19.9
5 21	13 7.31	− 7 5.6	1.602	2.450	16.0	20.1

293980 2007 TC_{63} 4 15.6 89.°30 0.°5/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.03	−14 58.4	2.135	2.960	12.6	21.0
3 22	13 51.84	−14 13.0	2.059	2.966	9.5	20.8
4 1	13 45.90	−13 14.0	2.006	2.973	6.0	20.5
4 11	13 38.87	−12 5.0	1.981	2.979	2.1	20.3
4 21	13 31.53	−10 51.3	1.984	2.985	2.0	20.3
5 1	13 24.70	− 9 39.2	2.016	2.991	5.9	20.6
5 11	13 19.12	− 8 34.5	2.074	2.997	9.4	20.8
5 21	13 15.26	− 7 41.7	2.156	3.004	12.5	21.0

433376 2013 SM_{51} 4 15.6 198.°45 1.°4/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.15	− 7 17.7	2.459	3.290	11.0	22.3
3 22	13 54.71	− 6 43.4	2.372	3.286	8.1	22.1
4 1	13 47.60	− 6 2.5	2.311	3.282	4.9	21.9
4 11	13 39.42	− 5 18.6	2.278	3.276	1.8	21.7
4 21	13 30.86	− 4 35.8	2.275	3.270	2.9	21.8
5 1	13 22.71	− 3 58.5	2.302	3.264	6.3	22.0
5 11	13 15.66	− 3 30.2	2.355	3.256	9.4	22.1
5 21	13 10.21	− 3 13.4	2.433	3.248	12.2	22.3

124184 2001 OT_{55} 4 15.6 51.°58 4.°5/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.81	−20 19.8	1.265	2.093	19.4	19.1
3 22	13 58.11	−20 44.5	1.201	2.102	15.4	18.9
4 1	13 50.29	−20 46.5	1.156	2.112	10.7	18.6
4 11	13 40.36	−20 25.8	1.133	2.121	6.2	18.4
4 21	13 29.77	−19 45.8	1.134	2.131	4.7	18.3
5 1	13 20.12	−18 54.0	1.160	2.141	8.3	18.6
5 11	13 12.76	−18 0.4	1.209	2.152	12.9	18.8
5 21	13 8.43	−17 13.5	1.278	2.162	17.0	19.1

373537 2001 TJ_{178} 4 15.6 255.°88 1.°9/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.70	−16 35.2	1.892	2.710	14.3	21.6
3 22	13 55.80	−16 31.0	1.796	2.697	11.1	21.3
4 1	13 48.61	−16 11.9	1.723	2.684	7.3	21.1
4 11	13 39.82	−15 39.5	1.676	2.670	3.4	20.8
4 21	13 30.35	−14 56.9	1.655	2.656	2.6	20.7
5 1	13 21.30	−14 9.5	1.663	2.642	6.6	20.9
5 11	13 13.68	−13 23.8	1.697	2.627	10.7	21.1
5 21	13 8.20	−12 45.5	1.753	2.612	14.4	21.3

506986 2008 SE_{205} 4 15.6 229.°18 2.°6/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.47	− 2 35.8	2.402	3.239	11.0	21.9
3 22	13 55.77	− 2 10.0	2.311	3.228	8.2	21.7
4 1	13 48.31	− 1 41.2	2.245	3.215	5.1	21.5
4 11	13 39.67	− 1 13.3	2.208	3.202	2.7	21.3
4 21	13 30.58	− 0 50.1	2.200	3.188	4.0	21.4
5 1	13 21.85	− 0 35.3	2.222	3.174	7.1	21.6
5 11	13 14.25	− 0 31.7	2.270	3.159	10.2	21.7
5 21	13 8.31	− 0 40.5	2.341	3.144	13.0	21.9

436026 2009 HN_{78} 4 15.6 308.°42 1.°8/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.99	− 6 7.7	2.159	3.004	11.8	21.5
3 22	13 52.58	− 5 37.2	2.077	2.999	8.7	21.3
4 1	13 46.40	− 5 0.7	2.020	2.993	5.3	21.0
4 11	13 39.06	− 4 22.0	1.989	2.987	2.1	20.8
4 21	13 31.32	− 3 45.8	1.987	2.982	3.4	20.9
5 1	13 24.01	− 3 16.5	2.013	2.977	6.9	21.1
5 11	13 17.89	− 2 57.9	2.065	2.972	10.3	21.3
5 21	13 13.47	− 2 51.9	2.139	2.967	13.3	21.5

55857 1996 XU_2 4 15.6 135.°07 3.°0/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.80	−22 15.4	2.573	3.356	12.0	20.0
3 22	13 52.97	−22 8.6	2.490	3.363	9.5	19.8
4 1	13 46.53	−21 47.3	2.430	3.371	6.7	19.7
4 11	13 39.08	−21 12.5	2.397	3.378	4.1	19.5
4 21	13 31.31	−20 26.6	2.392	3.385	3.1	19.5
5 1	13 23.99	−19 33.9	2.417	3.392	5.0	19.6
5 11	13 17.78	−18 39.5	2.469	3.399	7.8	19.8
5 21	13 13.15	−17 48.1	2.546	3.405	10.4	20.0

450501 2005 YG_{204} 4 15.6 271.°90 6.°0/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 50.66	+23 8.3	4.394	5.199	7.0	20.6
3 22	13 47.13	+24 9.1	4.346	5.195	6.3	20.6
4 1	13 42.75	+25 1.6	4.323	5.190	6.0	20.5
4 11	13 37.84	+25 42.6	4.326	5.185	6.3	20.5
4 21	13 32.78	+26 9.9	4.355	5.180	6.9	20.6
5 1	13 27.95	+26 22.1	4.407	5.175	7.8	20.6
5 11	13 23.70	+26 19.2	4.480	5.170	8.8	20.7
5 21	13 20.30	+26 2.0	4.572	5.166	9.7	20.8

169284 2001 SB_{248} 4 15.6 208.°31 1.°1/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.13	− 8 3.6	2.683	3.514	10.2	21.1
3 22	13 52.37	− 7 29.4	2.594	3.509	7.5	20.9
4 1	13 46.14	− 6 48.7	2.532	3.503	4.5	20.7
4 11	13 38.96	− 6 4.7	2.498	3.497	1.6	20.5
4 21	13 31.46	− 5 21.2	2.494	3.491	2.5	20.6
5 1	13 24.31	− 4 42.1	2.520	3.484	5.7	20.8
5 11	13 18.12	− 4 11.0	2.573	3.477	8.6	20.9
5 21	13 13.35	− 3 50.2	2.649	3.469	11.2	21.1

215734 2004 DV_{19} 4 15.6 147.°72 3.°5/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.81	−21 49.3	2.305	3.092	13.0	20.8
3 22	13 54.70	−22 1.8	2.219	3.095	10.4	20.6
4 1	13 47.71	−21 59.4	2.156	3.098	7.4	20.5
4 11	13 39.49	−21 42.4	2.120	3.101	4.6	20.3
4 21	13 30.83	−21 12.8	2.111	3.103	3.6	20.2
5 1	13 22.63	−20 34.3	2.131	3.106	5.7	20.4
5 11	13 15.68	−19 52.4	2.178	3.108	8.7	20.5
5 21	13 10.54	−19 12.1	2.249	3.110	11.5	20.7

130796 2000 TQ_{39} 4 15.6 178.°23 4.°4/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.69	− 0 47.2	1.727	2.579	13.9	19.8
3 22	13 57.13	+ 0 6.2	1.658	2.581	10.4	19.6
4 1	13 49.30	+ 1 2.7	1.612	2.582	6.8	19.4
4 11	13 40.00	+ 1 55.6	1.593	2.583	4.4	19.3
4 21	13 30.26	+ 2 38.2	1.601	2.583	6.1	19.4
5 1	13 21.18	+ 3 4.9	1.636	2.582	9.7	19.6
5 11	13 13.72	+ 3 12.7	1.695	2.581	13.3	19.8
5 21	13 8.49	+ 3 1.3	1.774	2.580	16.5	20.0

415294 2013 GY_{53} 4 15.6 313.°01 3.°3/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.74	− 4 24.1	1.295	2.162	16.7	20.8
3 22	13 56.59	− 3 59.6	1.215	2.147	12.5	20.5
4 1	13 49.46	− 3 27.8	1.156	2.132	7.8	20.2
4 11	13 40.17	− 2 54.9	1.120	2.118	3.6	19.9
4 21	13 29.99	− 2 27.8	1.109	2.104	5.4	20.0
5 1	13 20.42	− 2 13.5	1.122	2.090	10.5	20.2
5 11	13 12.81	− 2 16.9	1.157	2.078	15.4	20.5
5 21	13 8.03	− 2 39.8	1.211	2.065	19.7	20.7

381942 2010 CH_{245} 4 15.6 241.°77 8.°5/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.57	+14 36.6	2.245	3.080	11.8	21.6
3 22	13 56.01	+15 58.9	2.170	3.062	9.9	21.5
4 1	13 48.53	+17 13.5	2.120	3.043	8.6	21.3
4 11	13 39.76	+18 12.7	2.097	3.024	8.7	21.3
4 21	13 30.53	+18 50.3	2.099	3.004	10.0	21.3
5 1	13 21.72	+19 2.5	2.127	2.983	12.1	21.4
5 11	13 14.17	+18 49.0	2.176	2.961	14.4	21.6
5 21	13 8.43	+18 11.5	2.244	2.939	16.5	21.7

98591 2000 WB_{55} 4 15.6 98.°87 3.°4/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.16	−19 28.4	1.599	2.413	16.7	18.6
3 22	13 57.79	−19 38.2	1.529	2.424	13.1	18.4
4 1	13 49.84	−19 29.3	1.480	2.434	9.0	18.2
4 11	13 40.20	−19 2.5	1.455	2.445	4.9	18.0
4 21	13 30.05	−18 21.3	1.457	2.455	3.7	17.9
5 1	13 20.66	−17 32.1	1.486	2.465	7.1	18.1
5 11	13 13.15	−16 42.5	1.539	2.475	11.2	18.4
5 21	13 8.15	−15 59.4	1.615	2.484	14.9	18.6

197547 2004 FR_{27} 4 15.6 351.°41 2.°9/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.13	−15 56.1	1.157	2.005	19.5	20.3
3 22	13 57.96	−16 21.1	1.086	2.003	15.2	20.0
4 1	13 50.43	−16 27.6	1.034	2.000	10.1	19.7
4 11	13 40.50	−16 16.2	1.003	1.998	4.8	19.4
4 21	13 29.64	−15 50.2	0.996	1.997	3.8	19.3
5 1	13 19.59	−15 16.6	1.013	1.996	8.9	19.6
5 11	13 11.90	−14 44.4	1.052	1.996	14.2	19.9
5 21	13 7.44	−14 21.1	1.109	1.997	18.8	20.2

214746 2006 TY_{56} 4 15.6 161.°33 1.°4/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.47	− 7 19.6	2.536	3.372	10.5	21.2
3 22	13 51.90	− 6 40.5	2.458	3.375	7.7	21.0
4 1	13 45.86	− 5 55.1	2.406	3.378	4.7	20.9
4 11	13 38.88	− 5 7.2	2.382	3.381	1.8	20.6
4 21	13 31.62	− 4 20.9	2.388	3.383	2.8	20.7
5 1	13 24.77	− 3 40.3	2.422	3.385	6.0	20.9
5 11	13 18.95	− 3 9.1	2.484	3.387	8.9	21.1
5 21	13 14.59	− 2 49.3	2.568	3.388	11.5	21.3

346706 2008 YO_{159} 4 15.6 27.°03 1.°1/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.05	− 8 42.0	1.902	2.748	13.1	20.6
3 22	13 52.77	− 8 16.4	1.833	2.754	9.7	20.4
4 1	13 46.55	− 7 42.4	1.787	2.760	5.8	20.1
4 11	13 39.12	− 7 4.1	1.768	2.767	1.9	19.9
4 21	13 31.34	− 6 26.1	1.776	2.774	2.9	20.0
5 1	13 24.12	− 5 53.7	1.811	2.782	6.9	20.2
5 11	13 18.28	− 5 31.1	1.871	2.789	10.6	20.5
5 21	13 14.33	− 5 20.8	1.954	2.798	13.7	20.7

229109 2004 RQ_{56} 4 15.6 262.°70 0.°3/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.41	−13 31.1	1.919	2.750	13.6	21.4
3 22	13 53.99	−13 0.7	1.826	2.737	10.3	21.2
4 1	13 47.45	−12 16.4	1.756	2.724	6.5	20.9
4 11	13 39.46	−11 21.3	1.712	2.711	2.2	20.6
4 21	13 30.89	−10 20.5	1.697	2.698	2.3	20.6
5 1	13 22.76	− 9 20.2	1.709	2.684	6.7	20.8
5 11	13 15.98	− 8 26.9	1.746	2.671	10.8	21.0
5 21	13 11.21	− 7 45.6	1.807	2.657	14.4	21.2

382788 2003 SE_{349} 4 15.6 156.°66 0.°8/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.08	−13 36.9	2.193	3.013	12.5	22.0
3 22	13 54.86	−13 27.3	2.112	3.017	9.5	21.8
4 1	13 47.79	−13 7.1	2.055	3.020	6.0	21.6
4 11	13 39.52	−12 38.3	2.026	3.023	2.2	21.4
4 21	13 30.86	−12 4.6	2.025	3.026	2.0	21.4
5 1	13 22.69	−11 30.1	2.053	3.029	5.8	21.6
5 11	13 15.80	−10 59.6	2.108	3.031	9.3	21.8
5 21	13 10.71	−10 36.8	2.187	3.034	12.4	22.0

430058 2013 SK_{22} 4 15.6 178.°10 1.°1/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.24	− 9 16.9	2.253	3.085	11.8	22.1
3 22	13 54.15	− 8 35.0	2.172	3.087	8.8	21.9
4 1	13 47.32	− 7 44.2	2.117	3.088	5.3	21.7
4 11	13 39.37	− 6 48.7	2.090	3.089	1.7	21.5
4 21	13 31.07	− 5 53.1	2.092	3.089	2.8	21.5
5 1	13 23.25	− 5 2.7	2.122	3.089	6.4	21.8
5 11	13 16.63	− 4 22.0	2.180	3.088	9.8	22.0
5 21	13 11.73	− 3 53.9	2.261	3.086	12.7	22.2

300044 2006 UU_{137} 4 15.6 162.°00 0.°7/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.90	−14 3.6	2.764	3.575	10.5	21.3
3 22	13 52.89	−13 50.7	2.680	3.580	7.9	21.2
4 1	13 46.45	−13 28.8	2.621	3.584	5.0	21.0
4 11	13 39.08	−12 59.9	2.590	3.587	1.9	20.8
4 21	13 31.42	−12 26.7	2.590	3.591	1.7	20.8
5 1	13 24.14	−11 52.7	2.619	3.594	4.7	21.0
5 11	13 17.85	−11 21.6	2.676	3.596	7.7	21.2
5 21	13 12.97	−10 56.5	2.757	3.599	10.3	21.3

183767 2004 BD_4 4 15.6 113.°96 0.°7/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.32	−14 16.9	1.850	2.674	14.4	21.6
3 22	13 56.67	−13 50.6	1.785	2.692	10.8	21.4
4 1	13 48.92	−13 10.7	1.743	2.709	6.8	21.2
4 11	13 39.88	−12 20.6	1.728	2.726	2.4	20.9
4 21	13 30.54	−11 25.4	1.740	2.742	2.3	21.0
5 1	13 21.92	−10 31.3	1.781	2.757	6.5	21.3
5 11	13 14.90	− 9 44.3	1.849	2.772	10.4	21.5
5 21	13 10.00	− 9 8.5	1.939	2.787	13.7	21.7

314129 2005 ER_{164} 4 15.6 81.°26 2.°3/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.22	− 7 43.1	1.495	2.348	15.6	20.7
3 22	13 56.12	− 6 44.3	1.443	2.369	11.5	20.5
4 1	13 48.66	− 5 35.5	1.414	2.389	6.9	20.3
4 11	13 39.79	− 4 23.7	1.410	2.409	2.7	20.0
4 21	13 30.67	− 3 17.0	1.434	2.429	4.4	20.2
5 1	13 22.46	− 2 22.7	1.483	2.448	8.7	20.5
5 11	13 16.09	− 1 45.8	1.557	2.467	12.8	20.8
5 21	13 12.09	− 1 28.3	1.651	2.486	16.2	21.0

213369 2001 TY_{180} 4 15.6 204.°72 1.°1/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.05	−14 25.8	2.334	3.151	12.0	20.5
3 22	13 54.05	−14 23.4	2.248	3.149	9.1	20.3
4 1	13 47.30	−14 10.8	2.185	3.148	5.9	20.1
4 11	13 39.39	−13 49.5	2.150	3.147	2.4	19.8
4 21	13 31.07	−13 22.4	2.144	3.145	2.0	19.8
5 1	13 23.16	−12 53.4	2.166	3.143	5.4	20.0
5 11	13 16.42	−12 26.8	2.216	3.141	8.8	20.2
5 21	13 11.36	−12 6.1	2.290	3.139	11.8	20.4

264679 2001 YY_{63} 4 15.6 78.°03 3.°1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.71	− 3 37.2	1.725	2.578	13.9	20.5
3 22	13 55.54	− 2 57.2	1.667	2.592	10.2	20.3
4 1	13 48.25	− 2 12.7	1.632	2.605	6.3	20.1
4 11	13 39.67	− 1 29.5	1.624	2.619	3.3	20.0
4 21	13 30.79	− 0 53.2	1.643	2.633	4.8	20.1
5 1	13 22.65	− 0 28.9	1.689	2.646	8.5	20.3
5 11	13 16.11	− 0 19.8	1.759	2.660	12.1	20.6
5 21	13 11.69	− 0 26.7	1.850	2.673	15.2	20.8

497774 2006 SS_{331} 4 15.6 141.°45 0.°4/16.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.99	−12 31.5	2.705	3.520	10.6	22.4
3 22	13 53.70	−12 23.7	2.625	3.529	7.9	22.2
4 1	13 46.93	−12 7.9	2.572	3.537	4.9	22.0
4 11	13 39.24	−11 46.1	2.546	3.544	1.7	21.8
4 21	13 31.27	−11 20.9	2.551	3.552	1.7	21.8
5 1	13 23.71	−10 55.8	2.585	3.559	4.9	22.0
5 11	13 17.17	−10 33.9	2.647	3.565	7.8	22.2
5 21	13 12.10	−10 18.1	2.734	3.572	10.4	22.4

317950 2003 WO_{113} 4 15.6 155.°36 0.°3/15.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.79	−12 41.3	1.945	2.770	13.7	22.5
3 22	13 57.04	−12 20.5	1.870	2.778	10.3	22.3
4 1	13 49.19	−11 48.0	1.817	2.785	6.4	22.1
4 11	13 39.99	−11 6.8	1.792	2.791	2.1	21.8
4 21	13 30.39	−10 21.4	1.796	2.797	2.3	21.9
5 1	13 21.39	− 9 37.3	1.828	2.802	6.5	22.1
5 11	13 13.90	− 8 59.8	1.886	2.806	10.4	22.4
5 21	13 8.47	− 8 32.8	1.967	2.810	13.7	22.6

299915 2006 SD_{405} 4 15.6 233.°26 0.°2/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 56.66	−11 42.8	2.624	3.448	10.6	21.8
3 22	13 52.12	−11 12.6	2.529	3.438	7.9	21.6
4 1	13 46.05	−10 33.3	2.460	3.428	4.9	21.3
4 11	13 38.99	− 9 47.7	2.418	3.418	1.5	21.1
4 21	13 31.55	− 8 59.5	2.407	3.407	1.9	21.1
5 1	13 24.44	− 8 12.8	2.424	3.396	5.3	21.3
5 11	13 18.31	− 7 32.0	2.469	3.384	8.5	21.5
5 21	13 13.62	− 7 0.1	2.538	3.373	11.2	21.7

89637 2001 XA_{214} 4 15.6 142.°97 7.°8/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.71	+ 9 51.8	1.929	2.780	12.7	19.5
3 22	13 54.66	+11 13.3	1.874	2.785	10.2	19.3
4 1	13 47.67	+12 28.3	1.845	2.789	8.2	19.2
4 11	13 39.49	+13 28.9	1.841	2.794	7.9	19.2
4 21	13 31.01	+14 8.7	1.863	2.798	9.3	19.3
5 1	13 23.16	+14 24.2	1.911	2.802	11.7	19.5
5 11	13 16.75	+14 14.8	1.980	2.805	14.2	19.6
5 21	13 12.28	+13 42.7	2.068	2.809	16.5	19.8

37742 1996 WB_2 4 15.6 108.°83 1.°3/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.71	− 8 11.3	2.022	2.859	12.8	20.4
3 22	13 55.28	− 7 36.6	1.959	2.876	9.4	20.2
4 1	13 47.99	− 6 54.2	1.920	2.892	5.7	20.0
4 11	13 39.58	− 6 8.4	1.909	2.908	1.9	19.8
4 21	13 30.91	− 5 24.1	1.926	2.923	3.0	19.9
5 1	13 22.88	− 4 46.3	1.972	2.939	6.8	20.1
5 11	13 16.26	− 4 19.0	2.044	2.953	10.3	20.4
5 21	13 11.52	− 4 4.5	2.139	2.968	13.2	20.6

134294 2006 DE_{40} 4 15.6 347.°55 3.°4/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 50.65	−21 6.2	1.303	2.144	18.2	18.2
3 22	13 49.05	−20 43.6	1.221	2.131	14.5	17.9
4 1	13 44.80	−19 53.3	1.158	2.119	10.0	17.6
4 11	13 38.70	−18 37.4	1.117	2.109	5.4	17.3
4 21	13 31.88	−17 2.0	1.100	2.100	3.7	17.2
5 1	13 25.68	−15 17.7	1.107	2.093	7.8	17.4
5 11	13 21.30	−13 36.9	1.137	2.088	12.7	17.6
5 21	13 19.49	−12 10.1	1.187	2.084	17.1	17.9

184806 2005 TH_{121} 4 15.6 334.°54 1.°0/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 56.12	− 8 54.9	1.976	2.821	12.7	20.2
3 22	13 52.15	− 8 30.6	1.892	2.813	9.5	20.0
4 1	13 46.26	− 7 57.6	1.831	2.805	5.7	19.7
4 11	13 39.09	− 7 19.6	1.798	2.797	1.8	19.4
4 21	13 31.45	− 6 41.2	1.791	2.790	2.8	19.5
5 1	13 24.26	− 6 7.4	1.812	2.783	6.8	19.7
5 11	13 18.33	− 5 42.8	1.858	2.777	10.6	19.9
5 21	13 14.24	− 5 30.4	1.926	2.771	13.9	20.1

102906 1999 XJ_{18} 4 15.6 152.°44 0.°3/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.75	−11 10.2	1.931	2.760	13.6	19.7
3 22	13 57.01	−10 46.4	1.857	2.768	10.2	19.5
4 1	13 49.17	−10 11.9	1.807	2.776	6.2	19.3
4 11	13 40.00	− 9 30.3	1.783	2.783	1.9	19.0
4 21	13 30.43	− 8 46.3	1.789	2.789	2.5	19.1
5 1	13 21.48	− 8 5.1	1.822	2.795	6.7	19.3
5 11	13 14.02	− 7 32.0	1.882	2.800	10.6	19.6
5 21	13 8.64	− 7 10.3	1.965	2.804	13.9	19.8

463327 2012 KP_{42} 4 15.6 38.°77 11.°2/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 57.89	+11 40.9	1.249	2.124	16.6	19.7
3 22	13 53.90	+13 38.8	1.224	2.144	13.6	19.6
4 1	13 47.37	+15 22.6	1.220	2.164	11.5	19.5
4 11	13 39.39	+16 39.8	1.238	2.186	11.4	19.6
4 21	13 31.24	+17 22.3	1.279	2.208	13.1	19.7
5 1	13 24.17	+17 27.5	1.340	2.230	15.7	19.9
5 11	13 19.12	+16 57.9	1.420	2.254	18.3	20.2
5 21	13 16.54	+15 59.5	1.516	2.277	20.7	20.4

427165 2014 UX_{191} 4 15.6 76.°60 15.°1/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.19	+31 17.8	1.741	2.534	16.4	20.3
3 22	13 58.09	+33 14.3	1.738	2.559	15.4	20.3
4 1	13 49.69	+34 41.2	1.756	2.584	15.1	20.3
4 11	13 40.08	+35 30.4	1.794	2.609	15.5	20.4
4 21	13 30.46	+35 38.9	1.851	2.633	16.4	20.5
5 1	13 21.96	+35 8.1	1.926	2.657	17.6	20.7
5 11	13 15.44	+34 3.3	2.016	2.681	18.8	20.8
5 21	13 11.31	+32 31.8	2.119	2.704	19.9	21.0

336377 2008 UW_{60} 4 15.6 291.°82 1.°8/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.45	−16 44.1	1.946	2.766	13.9	21.2
3 22	13 53.96	−16 33.3	1.862	2.763	10.7	20.9
4 1	13 47.40	−16 7.9	1.800	2.761	7.0	20.7
4 11	13 39.46	−15 29.7	1.764	2.758	3.2	20.5
4 21	13 31.03	−14 42.6	1.755	2.756	2.4	20.4
5 1	13 23.10	−13 52.0	1.774	2.753	6.2	20.6
5 11	13 16.55	−13 4.2	1.819	2.751	10.0	20.8
5 21	13 11.99	−12 24.3	1.887	2.748	13.4	21.1

210960 2001 UG_{128} 4 15.6 164.°57 2.°5/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.24	−19 40.1	2.826	3.611	11.0	21.6
3 22	13 54.68	−19 49.1	2.738	3.616	8.6	21.5
4 1	13 47.58	−19 46.8	2.674	3.620	6.0	21.3
4 11	13 39.48	−19 33.7	2.638	3.624	3.4	21.1
4 21	13 31.03	−19 11.8	2.632	3.627	2.6	21.1
5 1	13 22.96	−18 43.9	2.656	3.630	4.7	21.2
5 11	13 15.91	−18 13.9	2.707	3.633	7.4	21.4
5 21	13 10.34	−17 45.6	2.785	3.635	9.9	21.6

107126 2001 AN_{46} 4 15.6 94.°94 2.°0/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 21.50	− 2 33.8	1.079	1.925	20.8	19.1
3 22	14 12.38	− 3 31.9	1.021	1.940	15.7	18.8
4 1	13 59.18	− 4 31.2	0.983	1.955	9.7	18.6
4 11	13 43.27	− 5 33.0	0.970	1.969	3.4	18.2
4 21	13 26.67	− 6 37.3	0.984	1.983	4.5	18.3
5 1	13 11.59	− 7 44.2	1.025	1.997	10.6	18.7
5 11	12 59.74	− 8 54.1	1.089	2.011	16.0	19.1
5 21	12 51.90	−10 7.5	1.173	2.024	20.5	19.4

351972 2006 UG_{30} 4 15.6 359.°38 0.°4/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.97	− 6 48.3	1.819	2.655	14.0	19.3
3 22	13 59.66	− 7 27.3	1.738	2.653	10.6	19.1
4 1	13 50.95	− 8 3.0	1.681	2.652	6.5	18.8
4 11	13 40.62	− 8 36.5	1.652	2.651	2.0	18.5
4 21	13 29.69	− 9 9.2	1.651	2.651	2.6	18.6
5 1	13 19.31	− 9 43.0	1.679	2.652	7.1	18.9
5 11	13 10.54	−10 19.8	1.732	2.653	11.1	19.1
5 21	13 4.06	−11 1.2	1.809	2.655	14.6	19.3

20543 1999 RZ_{98} 4 15.6 254.°73 1.°1/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.61	−12 45.7	2.448	3.261	11.6	17.8
3 22	13 56.67	−13 9.1	2.358	3.258	8.9	17.6
4 1	13 48.91	−13 25.1	2.293	3.255	5.7	17.4
4 11	13 39.94	−13 34.4	2.256	3.252	2.3	17.2
4 21	13 30.50	−13 38.6	2.248	3.249	2.0	17.2
5 1	13 21.43	−13 40.2	2.271	3.246	5.4	17.4
5 11	13 13.51	−13 42.3	2.321	3.243	8.6	17.6
5 21	13 7.30	−13 47.5	2.396	3.240	11.5	17.8

5988 Gorodnitskij 4 15.6 305.°73 3.°7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.79	− 5 29.4	1.674	2.536	13.8	16.9
3 22	13 51.49	− 3 59.3	1.589	2.520	10.2	16.7
4 1	13 46.02	− 2 17.2	1.529	2.504	6.4	16.4
4 11	13 39.06	− 0 31.1	1.494	2.489	3.7	16.2
4 21	13 31.53	+ 1 9.4	1.487	2.473	5.8	16.3
5 1	13 24.48	+ 2 35.1	1.506	2.458	9.8	16.5
5 11	13 18.85	+ 3 39.1	1.548	2.443	13.8	16.7
5 21	13 15.30	+ 4 18.3	1.610	2.429	17.3	16.9

89334 2001 VM_{53} 4 15.6 302.°60 3.°2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.54	−18 46.4	1.612	2.434	16.2	19.2
3 22	13 55.40	−18 57.6	1.519	2.419	12.8	19.0
4 1	13 48.63	−18 51.0	1.446	2.403	8.8	18.7
4 11	13 39.96	−18 26.8	1.397	2.388	4.8	18.4
4 21	13 30.44	−17 47.8	1.374	2.373	3.6	18.3
5 1	13 21.36	−16 59.7	1.377	2.358	7.4	18.5
5 11	13 13.93	−16 10.1	1.405	2.343	11.8	18.7
5 21	13 8.98	−15 26.4	1.454	2.329	15.9	18.9

179497 2002 CX_{77} 4 15.6 309.°72 4.°4/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.31	−24 13.4	2.359	3.135	13.1	20.1
3 22	13 54.42	−24 38.6	2.268	3.132	10.7	19.9
4 1	13 47.63	−24 48.6	2.199	3.130	8.0	19.7
4 11	13 39.55	−24 42.6	2.155	3.127	5.4	19.6
4 21	13 30.97	−24 21.9	2.139	3.124	4.4	19.5
5 1	13 22.77	−23 49.6	2.151	3.122	6.0	19.6
5 11	13 15.79	−23 10.9	2.190	3.120	8.7	19.8
5 21	13 10.60	−22 31.1	2.253	3.117	11.4	19.9

136211 2003 WN_{33} 4 15.6 134.°31 3.°2/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.01	−20 36.6	1.775	2.580	15.7	20.4
3 22	13 56.77	−20 31.3	1.699	2.588	12.3	20.2
4 1	13 49.17	−20 6.9	1.644	2.596	8.5	19.9
4 11	13 40.05	−19 24.8	1.615	2.603	4.7	19.7
4 21	13 30.44	−18 28.7	1.613	2.610	3.5	19.7
5 1	13 21.52	−17 25.0	1.638	2.617	6.6	19.9
5 11	13 14.26	−16 21.6	1.689	2.623	10.5	20.1
5 21	13 9.30	−15 25.3	1.763	2.629	14.0	20.3

143598 2003 FV_{75} 4 15.6 228.°87 7.°6/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.98	−31 19.1	2.059	2.798	15.9	19.1
3 22	13 58.46	−32 8.7	1.963	2.791	13.6	18.9
4 1	13 50.40	−32 37.6	1.888	2.784	11.1	18.7
4 11	13 40.51	−32 42.4	1.835	2.776	8.7	18.5
4 21	13 29.81	−32 22.4	1.809	2.769	7.6	18.4
5 1	13 19.53	−31 40.3	1.808	2.761	8.4	18.5
5 11	13 10.81	−30 42.7	1.833	2.752	10.7	18.6
5 21	13 4.45	−29 37.9	1.881	2.744	13.4	18.7

110569 2001 TS_{114} 4 15.6 154.°74 1.°5/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.78	−16 29.9	2.133	2.944	13.1	20.0
3 22	13 55.45	−16 13.0	2.053	2.951	10.1	19.8
4 1	13 48.20	−15 42.5	1.997	2.957	6.5	19.6
4 11	13 39.71	−15 0.5	1.968	2.963	2.8	19.3
4 21	13 30.84	−14 11.0	1.967	2.968	2.2	19.3
5 1	13 22.51	−13 19.0	1.996	2.973	5.8	19.5
5 11	13 15.53	−12 30.3	2.051	2.977	9.4	19.7
5 21	13 10.43	−11 49.5	2.130	2.981	12.5	20.0

226861 Elimaor 4 15.6 183.°44 2.°2/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.46	−18 59.7	2.296	3.096	12.7	20.8
3 22	13 54.43	−18 44.5	2.207	3.096	9.9	20.6
4 1	13 47.57	−18 14.8	2.143	3.096	6.7	20.4
4 11	13 39.52	−17 32.0	2.105	3.096	3.4	20.2
4 21	13 31.06	−16 39.6	2.096	3.095	2.5	20.1
5 1	13 23.06	−15 42.4	2.116	3.093	5.5	20.3
5 11	13 16.29	−14 46.2	2.163	3.091	8.8	20.5
5 21	13 11.28	−13 55.9	2.234	3.089	11.8	20.7

355794 2008 SU_{105} 4 15.6 89.°06 0.°2/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.72	−11 38.1	1.368	2.216	17.1	21.3
3 22	13 57.73	−11 18.8	1.302	2.223	12.9	21.1
4 1	13 49.94	−10 45.0	1.257	2.230	7.9	20.8
4 11	13 40.32	−10 1.1	1.237	2.237	2.5	20.5
4 21	13 30.15	− 9 13.4	1.242	2.243	3.0	20.5
5 1	13 20.84	− 8 29.4	1.273	2.250	8.4	20.9
5 11	13 13.57	− 7 56.0	1.328	2.257	13.1	21.2
5 21	13 9.01	− 7 37.5	1.403	2.264	17.2	21.4

99330 2001 VT_{15} 4 15.6 136.°43 12.°7/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 14.27	+25 38.5	1.831	2.625	15.6	19.2
3 22	14 5.43	+26 39.3	1.794	2.639	13.9	19.1
4 1	13 54.16	+27 17.5	1.780	2.652	12.9	19.0
4 11	13 41.54	+27 24.8	1.789	2.665	12.8	19.0
4 21	13 28.85	+26 57.2	1.822	2.676	13.8	19.1
5 1	13 17.36	+25 55.5	1.878	2.687	15.4	19.3
5 11	13 8.00	+24 24.7	1.955	2.697	17.2	19.4
5 21	13 1.27	+22 31.6	2.050	2.706	18.8	19.6

349476 2008 DX_{23} 4 15.6 299.°37 2.°8/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.49	−19 30.4	2.320	3.119	12.6	20.6
3 22	13 53.77	−19 41.6	2.228	3.114	9.9	20.5
4 1	13 47.22	−19 39.6	2.160	3.109	6.9	20.2
4 11	13 39.43	−19 25.0	2.118	3.104	3.9	20.1
4 21	13 31.17	−18 59.8	2.104	3.100	3.0	20.0
5 1	13 23.29	−18 27.5	2.118	3.095	5.5	20.1
5 11	13 16.58	−17 53.2	2.159	3.090	8.7	20.3
5 21	13 11.61	−17 21.3	2.224	3.086	11.6	20.5

277763 2006 DN_{153} 4 15.6 76.°53 0.°7/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.37	−11 36.2	1.845	2.683	13.8	20.8
3 22	13 53.70	−10 42.1	1.786	2.703	10.2	20.6
4 1	13 47.09	− 9 36.2	1.751	2.723	6.1	20.4
4 11	13 39.34	− 8 23.6	1.743	2.743	1.9	20.1
4 21	13 31.36	− 7 10.8	1.764	2.763	2.8	20.2
5 1	13 24.08	− 6 4.7	1.812	2.783	6.9	20.5
5 11	13 18.29	− 5 10.6	1.885	2.802	10.6	20.8
5 21	13 14.44	− 4 32.1	1.981	2.822	13.7	21.0

343582 2010 FX_{94} 4 15.6 239.°27 1.°1/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.26	− 7 7.7	2.102	2.939	12.4	21.0
3 22	13 55.82	− 7 3.5	2.022	2.938	9.2	20.8
4 1	13 48.45	− 6 53.8	1.966	2.938	5.6	20.6
4 11	13 39.82	− 6 41.3	1.938	2.937	1.9	20.3
4 21	13 30.75	− 6 29.4	1.938	2.936	2.8	20.4
5 1	13 22.17	− 6 21.8	1.967	2.935	6.6	20.6
5 11	13 14.90	− 6 21.4	2.021	2.935	10.2	20.8
5 21	13 9.49	− 6 30.5	2.099	2.934	13.3	21.0

91347 1999 JL_{39} 4 15.6 283.°45 0.°2/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.64	−10 51.3	1.864	2.699	13.8	19.7
3 22	13 55.89	−10 37.1	1.760	2.674	10.5	19.4
4 1	13 48.81	−10 12.1	1.679	2.649	6.5	19.1
4 11	13 40.02	− 9 38.9	1.624	2.623	2.1	18.8
4 21	13 30.43	− 9 1.6	1.597	2.597	2.6	18.8
5 1	13 21.15	− 8 25.7	1.597	2.571	7.3	19.0
5 11	13 13.21	− 7 56.9	1.623	2.545	11.7	19.2
5 21	13 7.41	− 7 39.4	1.670	2.518	15.5	19.4

349043 2006 VK_{101} 4 15.6 142.°42 6.°6/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.17	+14 0.0	2.771	3.602	9.9	21.1
3 22	13 53.72	+14 51.4	2.718	3.610	8.1	21.0
4 1	13 46.90	+15 34.8	2.691	3.617	6.9	21.0
4 11	13 39.26	+16 5.4	2.691	3.625	6.7	20.9
4 21	13 31.45	+16 19.7	2.719	3.632	7.7	21.0
5 1	13 24.11	+16 15.9	2.772	3.638	9.3	21.1
5 11	13 17.81	+15 54.0	2.850	3.645	11.1	21.3
5 21	13 12.95	+15 15.7	2.948	3.651	12.7	21.4

497132 2004 PS_{95} 4 15.6 226.°30 2.°2/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.73	− 4 23.6	2.543	3.377	10.6	22.7
3 22	13 55.20	− 3 47.0	2.447	3.363	7.9	22.5
4 1	13 48.00	− 3 5.6	2.378	3.348	4.9	22.3
4 11	13 39.67	− 2 23.2	2.337	3.332	2.4	22.1
4 21	13 30.91	− 1 44.0	2.326	3.316	3.6	22.2
5 1	13 22.48	− 1 12.0	2.344	3.299	6.7	22.3
5 11	13 15.08	− 0 50.7	2.390	3.281	9.8	22.5
5 21	13 9.24	− 0 41.9	2.460	3.262	12.5	22.7

430203 2013 TL_{139} 4 15.6 225.°37 2.°2/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.65	− 5 22.9	2.447	3.283	10.9	21.8
3 22	13 54.45	− 4 32.5	2.353	3.269	8.1	21.6
4 1	13 47.56	− 3 35.7	2.284	3.255	5.0	21.4
4 11	13 39.54	− 2 36.8	2.244	3.240	2.4	21.2
4 21	13 31.08	− 1 40.6	2.235	3.225	3.7	21.2
5 1	13 22.96	− 0 52.3	2.254	3.208	6.9	21.4
5 11	13 15.92	− 0 15.6	2.300	3.191	10.1	21.6
5 21	13 10.46	+ 0 7.0	2.369	3.173	12.9	21.7

465368 2008 CG_{32} 4 15.6 76.°14 1.°6/14.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.27	− 8 30.4	1.534	2.384	15.4	21.9
3 22	13 56.21	− 7 51.6	1.477	2.401	11.4	21.7
4 1	13 48.78	− 7 2.5	1.443	2.417	6.9	21.4
4 11	13 39.91	− 6 9.0	1.434	2.433	2.3	21.2
4 21	13 30.72	− 5 17.6	1.452	2.449	3.7	21.3
5 1	13 22.37	− 4 35.1	1.496	2.466	8.2	21.6
5 11	13 15.83	− 4 6.5	1.564	2.482	12.3	21.9
5 21	13 11.63	− 3 54.2	1.654	2.498	15.8	22.1

234838 2002 RL_{145} 4 15.6 227.°04 1.°6/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.76	− 7 26.8	2.191	3.031	11.8	20.6
3 22	13 53.16	− 6 48.8	2.108	3.027	8.7	20.4
4 1	13 46.80	− 6 3.2	2.050	3.022	5.3	20.2
4 11	13 39.29	− 5 14.4	2.019	3.018	2.0	20.0
4 21	13 31.39	− 4 26.9	2.017	3.013	3.2	20.0
5 1	13 23.91	− 3 45.7	2.044	3.008	6.7	20.2
5 11	13 17.63	− 3 15.2	2.096	3.003	10.2	20.4
5 21	13 13.05	− 2 57.6	2.171	2.998	13.1	20.6

414032 2007 PJ_{34} 4 15.6 270.°71 5.°2/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.25	− 0 26.9	1.617	2.474	14.5	21.2
3 22	13 57.35	+ 0 38.9	1.522	2.448	11.0	20.9
4 1	13 49.83	+ 1 50.8	1.451	2.421	7.4	20.7
4 11	13 40.38	+ 3 1.1	1.405	2.393	5.2	20.5
4 21	13 30.04	+ 4 1.2	1.386	2.365	7.2	20.5
5 1	13 20.06	+ 4 43.2	1.393	2.336	11.2	20.7
5 11	13 11.66	+ 5 2.0	1.423	2.307	15.5	20.8
5 21	13 5.67	+ 4 56.2	1.471	2.277	19.3	21.0

150943 2001 TZ_{104} 4 15.6 214.°81 0.°1/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.43	−11 37.8	1.953	2.785	13.4	20.4
3 22	13 55.41	−11 15.2	1.868	2.781	10.1	20.1
4 1	13 48.30	−10 41.5	1.807	2.776	6.2	19.9
4 11	13 39.80	− 9 59.8	1.772	2.771	2.0	19.6
4 21	13 30.80	− 9 14.6	1.765	2.766	2.4	19.6
5 1	13 22.29	− 8 31.5	1.787	2.761	6.7	19.9
5 11	13 15.17	− 7 55.8	1.834	2.755	10.6	20.1
5 21	13 10.04	− 7 31.2	1.904	2.749	14.0	20.3

87019 2000 JY_{63} 4 15.6 317.°69 2.°0/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.78	− 6 54.8	1.576	2.430	14.9	19.4
3 22	13 55.32	− 6 27.0	1.498	2.424	11.1	19.2
4 1	13 48.43	− 5 50.3	1.443	2.418	6.8	18.9
4 11	13 39.87	− 5 9.9	1.414	2.412	2.5	18.6
4 21	13 30.72	− 4 31.7	1.410	2.407	4.0	18.7
5 1	13 22.17	− 4 1.9	1.433	2.402	8.5	19.0
5 11	13 15.27	− 3 45.5	1.479	2.397	12.9	19.2
5 21	13 10.72	− 3 45.0	1.546	2.392	16.6	19.4

204629 2005 XF_{38} 4 15.6 338.°79 4.°1/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.28	− 5 20.9	1.187	2.064	17.1	19.0
3 22	13 53.30	− 4 11.5	1.118	2.056	12.8	18.7
4 1	13 47.44	− 2 49.7	1.071	2.049	7.9	18.4
4 11	13 39.60	− 1 24.9	1.046	2.043	4.2	18.1
4 21	13 31.06	− 0 8.1	1.046	2.037	6.5	18.2
5 1	13 23.27	+ 0 50.3	1.068	2.032	11.4	18.5
5 11	13 17.48	+ 1 23.6	1.111	2.028	16.2	18.7
5 21	13 14.46	+ 1 29.6	1.172	2.025	20.4	19.0

214890 2007 RG_{291} 4 15.6 355.°95 1.°1/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.60	−14 16.6	1.180	2.040	18.5	19.8
3 22	13 53.64	−14 4.4	1.110	2.036	14.1	19.5
4 1	13 47.70	−13 32.8	1.060	2.033	9.0	19.2
4 11	13 39.70	−12 45.4	1.032	2.030	3.4	18.8
4 21	13 30.94	−11 48.8	1.027	2.029	3.0	18.8
5 1	13 22.97	−10 52.1	1.046	2.029	8.7	19.1
5 11	13 17.09	−10 4.7	1.087	2.030	13.9	19.4
5 21	13 14.09	− 9 33.0	1.147	2.032	18.4	19.7

153794 2001 VZ_{78} 4 15.6 92.°23 0.°1/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.03	−11 59.7	1.773	2.608	14.4	20.0
3 22	13 55.89	−11 42.5	1.704	2.618	10.8	19.8
4 1	13 48.58	−11 13.6	1.659	2.628	6.7	19.6
4 11	13 39.88	−10 36.5	1.639	2.638	2.2	19.3
4 21	13 30.79	− 9 55.9	1.647	2.648	2.4	19.4
5 1	13 22.37	− 9 17.4	1.683	2.658	6.8	19.7
5 11	13 15.54	− 8 46.4	1.744	2.668	10.8	19.9
5 21	13 10.86	− 8 26.5	1.827	2.678	14.2	20.2

293407 2007 ER_{82} 4 15.6 108.°04 1.°3/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.48	− 9 11.9	1.937	2.775	13.2	21.7
3 22	13 55.19	− 8 22.6	1.876	2.793	9.8	21.5
4 1	13 48.00	− 7 24.0	1.839	2.811	5.8	21.3
4 11	13 39.66	− 6 21.0	1.830	2.829	2.0	21.1
4 21	13 31.08	− 5 19.7	1.849	2.846	3.1	21.2
5 1	13 23.17	− 4 25.8	1.896	2.863	7.0	21.5
5 11	13 16.73	− 3 44.2	1.970	2.879	10.6	21.7
5 21	13 12.22	− 3 17.4	2.065	2.895	13.6	22.0

150831 2001 SP_{28} 4 15.6 96.°94 1.°8/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.65	− 7 50.0	1.880	2.722	13.4	20.6
3 22	13 55.32	− 6 57.9	1.824	2.743	9.8	20.4
4 1	13 48.07	− 5 57.5	1.792	2.765	5.9	20.2
4 11	13 39.67	− 4 54.5	1.787	2.785	2.2	20.0
4 21	13 31.07	− 3 54.8	1.811	2.806	3.6	20.2
5 1	13 23.18	− 3 4.3	1.862	2.826	7.4	20.4
5 11	13 16.80	− 2 27.4	1.939	2.845	10.9	20.7
5 21	13 12.40	− 2 6.2	2.038	2.864	13.9	20.9

10055 Silcher 4 15.6 196.°04 0.°2/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.68	−11 22.4	2.304	3.133	11.7	18.6
3 22	13 53.04	−10 55.3	2.220	3.132	8.8	18.4
4 1	13 46.71	−10 18.7	2.161	3.130	5.4	18.2
4 11	13 39.27	− 9 35.7	2.130	3.129	1.7	17.9
4 21	13 31.47	− 8 50.3	2.127	3.127	2.1	18.0
5 1	13 24.10	− 8 7.3	2.153	3.126	5.8	18.2
5 11	13 17.87	− 7 31.0	2.206	3.124	9.2	18.4
5 21	13 13.29	− 7 4.6	2.282	3.122	12.2	18.6

475455 2006 RB_{76} 4 15.6 207.°99 0.°3/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.12	−12 37.8	2.471	3.292	11.3	22.1
3 22	13 53.29	−12 21.7	2.383	3.289	8.5	22.0
4 1	13 46.84	−11 56.2	2.319	3.286	5.3	21.7
4 11	13 39.32	−11 23.9	2.284	3.282	1.8	21.5
4 21	13 31.43	−10 47.8	2.277	3.278	1.9	21.5
5 1	13 23.92	−10 12.1	2.300	3.274	5.4	21.7
5 11	13 17.48	− 9 40.8	2.350	3.270	8.6	21.9
5 21	13 12.61	− 9 17.2	2.424	3.266	11.5	22.1

234122 1999 XP_{111} 4 15.6 125.°38 1.°2/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.24	−17 33.8	2.259	3.067	12.6	20.3
3 22	13 53.41	−16 47.6	2.184	3.081	9.6	20.2
4 1	13 46.88	−15 46.6	2.133	3.093	6.2	20.0
4 11	13 39.31	−14 34.1	2.110	3.106	2.6	19.8
4 21	13 31.49	−13 15.0	2.116	3.118	2.0	19.7
5 1	13 24.21	−11 55.5	2.152	3.129	5.4	20.0
5 11	13 18.19	−10 41.9	2.215	3.140	8.8	20.2
5 21	13 13.87	− 9 38.8	2.303	3.151	11.8	20.4

460351 2014 RK_{40} 4 15.6 279.°23 3.°4/13.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.19	− 3 46.0	1.403	2.263	16.1	21.0
3 22	13 58.26	− 3 17.9	1.322	2.250	12.1	20.7
4 1	13 50.45	− 2 43.6	1.263	2.238	7.6	20.4
4 11	13 40.59	− 2 8.9	1.228	2.225	3.7	20.1
4 21	13 29.90	− 1 40.8	1.219	2.212	5.4	20.2
5 1	13 19.81	− 1 25.6	1.235	2.199	10.2	20.4
5 11	13 11.61	− 1 27.9	1.274	2.187	14.9	20.7
5 21	13 6.14	− 1 49.0	1.332	2.174	19.0	20.9

383912 2008 ST_{114} 4 15.6 147.°42 1.°6/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.27	− 6 39.1	2.053	2.894	12.5	21.6
3 22	13 55.09	− 6 15.2	1.978	2.897	9.3	21.4
4 1	13 48.01	− 5 45.0	1.928	2.900	5.6	21.2
4 11	13 39.70	− 5 12.4	1.904	2.903	2.1	21.0
4 21	13 31.02	− 4 41.8	1.909	2.906	3.2	21.0
5 1	13 22.86	− 4 17.6	1.943	2.908	7.0	21.3
5 11	13 16.03	− 4 3.4	2.002	2.910	10.5	21.5
5 21	13 11.07	− 4 1.2	2.083	2.913	13.5	21.7

119603 2001 WW_{16} 4 15.6 47.°58 0.°3/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.24	−11 1.4	1.547	2.393	15.6	19.6
3 22	13 55.57	−10 44.2	1.482	2.402	11.6	19.4
4 1	13 48.49	−10 15.0	1.440	2.412	7.1	19.1
4 11	13 39.88	− 9 37.9	1.422	2.422	2.2	18.8
4 21	13 30.84	− 8 58.1	1.431	2.432	2.8	18.9
5 1	13 22.54	− 8 22.0	1.466	2.442	7.6	19.2
5 11	13 16.01	− 7 55.3	1.526	2.453	11.9	19.5
5 21	13 11.83	− 7 41.4	1.606	2.464	15.5	19.7

329176 2012 DA_{17} 4 15.6 330.°79 2.°2/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.67	− 7 11.2	1.315	2.182	16.5	20.1
3 22	13 54.24	− 6 43.0	1.237	2.169	12.3	19.8
4 1	13 48.02	− 6 3.9	1.179	2.156	7.6	19.5
4 11	13 39.83	− 5 19.7	1.145	2.144	2.8	19.1
4 21	13 30.83	− 4 37.3	1.136	2.133	4.5	19.2
5 1	13 22.45	− 4 4.6	1.150	2.123	9.6	19.5
5 11	13 15.93	− 3 47.7	1.187	2.114	14.6	19.7
5 21	13 12.08	− 3 49.8	1.242	2.105	18.8	20.0

351728 2006 CH_{37} 4 15.6 77.°12 2.°4/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.52	−16 34.4	1.375	2.208	17.9	20.8
3 22	13 58.40	−16 39.6	1.309	2.218	13.8	20.6
4 1	13 50.41	−16 26.6	1.265	2.228	9.1	20.4
4 11	13 40.54	−15 57.1	1.243	2.238	4.2	20.1
4 21	13 30.09	−15 15.7	1.248	2.248	3.2	20.1
5 1	13 20.53	−14 29.4	1.278	2.259	7.8	20.4
5 11	13 13.07	−13 46.6	1.331	2.269	12.4	20.6
5 21	13 8.40	−13 13.6	1.406	2.279	16.5	20.9

387025 2012 SY_7 4 15.6 171.°98 0.°5/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.44	−13 30.1	2.260	3.082	12.1	21.6
3 22	13 53.64	−13 7.4	2.178	3.084	9.2	21.4
4 1	13 47.10	−12 33.7	2.119	3.085	5.7	21.2
4 11	13 39.42	−11 51.7	2.088	3.086	2.0	21.0
4 21	13 31.37	−11 5.4	2.086	3.087	2.0	21.0
5 1	13 23.78	−10 19.4	2.113	3.088	5.7	21.2
5 11	13 17.38	− 9 38.7	2.166	3.088	9.1	21.4
5 21	13 12.69	− 9 6.9	2.243	3.088	12.1	21.6

285720 2000 SJ_{304} 4 15.6 148.°21 2.°5/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.50	−21 31.5	2.630	3.417	11.6	20.7
3 22	13 52.02	−21 8.8	2.544	3.422	9.1	20.5
4 1	13 46.02	−20 31.6	2.481	3.427	6.4	20.3
4 11	13 39.06	−19 41.3	2.446	3.431	3.6	20.2
4 21	13 31.81	−18 41.2	2.439	3.436	2.6	20.1
5 1	13 24.97	−17 35.8	2.462	3.440	4.8	20.2
5 11	13 19.19	−16 30.4	2.513	3.443	7.7	20.4
5 21	13 14.91	−15 29.8	2.589	3.447	10.3	20.6

15460 Manca 4 15.6 145.°76 1.°4/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.38	− 7 28.8	2.275	3.113	11.5	18.6
3 22	13 53.51	− 6 54.6	2.200	3.117	8.5	18.4
4 1	13 46.97	− 6 13.7	2.150	3.122	5.1	18.2
4 11	13 39.37	− 5 29.9	2.128	3.127	1.9	17.9
4 21	13 31.45	− 4 47.6	2.135	3.131	3.0	18.0
5 1	13 24.02	− 4 11.3	2.170	3.135	6.4	18.3
5 11	13 17.75	− 3 44.8	2.232	3.139	9.6	18.5
5 21	13 13.15	− 3 30.2	2.317	3.142	12.5	18.7

401868 2000 VS_{41} 4 15.6 194.°09 1.°2/16.7 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.61	−15 39.9	2.163	2.971	13.1	23.0
3 22	13 57.65	−15 24.2	2.072	2.969	10.1	22.8
4 1	13 49.64	−14 55.2	2.005	2.965	6.5	22.6
4 11	13 40.26	−14 15.1	1.965	2.961	2.7	22.3
4 21	13 30.38	−13 27.4	1.955	2.956	2.2	22.3
5 1	13 20.97	−12 37.1	1.974	2.949	6.0	22.5
5 11	13 12.91	−11 50.1	2.020	2.942	9.7	22.7
5 21	13 6.80	−11 10.9	2.091	2.934	13.0	22.9

174907 2004 BS_{133} 4 15.6 130.°48 0.°2/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.99	−11 51.4	1.740	2.573	14.7	20.3
3 22	13 57.45	−11 40.8	1.668	2.580	11.1	20.1
4 1	13 49.60	−11 18.6	1.618	2.587	6.9	19.8
4 11	13 40.25	−10 47.9	1.595	2.594	2.3	19.5
4 21	13 30.43	−10 13.2	1.599	2.600	2.5	19.6
5 1	13 21.29	− 9 39.9	1.631	2.607	7.0	19.9
5 11	13 13.80	− 9 13.4	1.688	2.612	11.1	20.1
5 21	13 8.57	− 8 57.5	1.768	2.618	14.7	20.3

497727 2006 SB_{170} 4 15.6 99.°03 1.°1/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.15	−10 2.3	2.512	3.344	10.8	22.0
3 22	13 51.62	− 8 57.7	2.449	3.363	7.9	21.8
4 1	13 45.69	− 7 44.6	2.411	3.382	4.7	21.7
4 11	13 38.93	− 6 27.7	2.402	3.401	1.6	21.5
4 21	13 32.00	− 5 12.2	2.423	3.420	2.6	21.6
5 1	13 25.56	− 4 3.1	2.474	3.438	5.8	21.8
5 11	13 20.19	− 3 4.9	2.552	3.456	8.7	22.0
5 21	13 16.27	− 2 20.0	2.654	3.473	11.2	22.2

433078 2012 TB_{60} 4 15.6 255.°21 0.°8/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.51	− 9 27.3	2.086	2.923	12.4	21.2
3 22	13 53.85	− 9 2.5	2.002	2.918	9.3	21.0
4 1	13 47.31	− 8 28.9	1.942	2.913	5.6	20.7
4 11	13 39.51	− 7 49.9	1.909	2.908	1.8	20.4
4 21	13 31.27	− 7 10.1	1.904	2.903	2.6	20.5
5 1	13 23.48	− 6 34.2	1.927	2.898	6.6	20.7
5 11	13 16.95	− 6 6.7	1.977	2.893	10.2	20.9
5 21	13 12.23	− 5 50.6	2.049	2.887	13.4	21.1

405008 2000 VT_{41} 4 15.6 110.°66 2.°3/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.34	−18 41.4	1.728	2.540	15.7	21.3
3 22	13 57.66	−18 22.6	1.663	2.559	12.2	21.1
4 1	13 49.67	−17 45.6	1.620	2.577	8.0	20.9
4 11	13 40.25	−16 52.8	1.602	2.595	3.9	20.7
4 21	13 30.49	−15 49.4	1.612	2.612	2.8	20.6
5 1	13 21.53	−14 42.4	1.650	2.629	6.6	20.9
5 11	13 14.33	−13 39.5	1.714	2.645	10.5	21.2
5 21	13 9.45	−12 46.5	1.800	2.660	14.0	21.4

22588 1998 HW_{99} 4 15.6 326.°55 5.°5/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.63	+ 3 9.0	1.600	2.458	14.5	18.4
3 22	13 57.43	+ 3 31.0	1.524	2.448	11.1	18.2
4 1	13 49.73	+ 3 50.6	1.471	2.439	7.6	17.9
4 11	13 40.33	+ 4 1.5	1.444	2.429	5.5	17.8
4 21	13 30.32	+ 3 58.4	1.442	2.421	7.0	17.8
5 1	13 20.93	+ 3 37.6	1.466	2.412	10.5	18.0
5 11	13 13.23	+ 2 58.0	1.513	2.405	14.3	18.2
5 21	13 7.92	+ 2 0.9	1.580	2.398	17.6	18.4

431858 2008 ST_{97} 4 15.6 237.°09 0.°6/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.81	−14 3.3	2.098	2.922	12.9	21.5
3 22	13 54.13	−13 40.3	2.008	2.914	9.8	21.3
4 1	13 47.52	−13 4.9	1.941	2.907	6.2	21.0
4 11	13 39.59	−12 19.5	1.901	2.899	2.3	20.8
4 21	13 31.18	−11 28.4	1.889	2.890	2.1	20.7
5 1	13 23.19	−10 37.0	1.906	2.882	6.1	21.0
5 11	13 16.47	− 9 50.7	1.949	2.873	9.9	21.2
5 21	13 11.60	− 9 14.1	2.015	2.864	13.2	21.4

463159 2012 BU_3 4 15.6 70.°32 0.°1/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.72	−12 17.8	1.436	2.281	16.6	21.7
3 22	13 56.71	−11 46.9	1.381	2.300	12.4	21.4
4 1	13 49.17	−11 1.5	1.347	2.319	7.6	21.2
4 11	13 40.09	−10 6.5	1.338	2.337	2.4	20.9
4 21	13 30.69	− 9 8.7	1.355	2.356	2.9	21.0
5 1	13 22.21	− 8 15.7	1.399	2.375	7.8	21.4
5 11	13 15.67	− 7 34.2	1.466	2.394	12.2	21.7
5 21	13 11.63	− 7 8.1	1.555	2.413	15.9	21.9

119481 2001 UK_{34} 4 15.6 230.°73 4.°1/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.21	+ 0 38.1	2.132	2.976	12.0	20.4
3 22	13 56.58	+ 1 19.5	2.046	2.964	9.0	20.2
4 1	13 48.98	+ 2 2.3	1.985	2.952	6.0	20.0
4 11	13 40.06	+ 2 41.3	1.952	2.939	4.1	19.9
4 21	13 30.64	+ 3 11.4	1.947	2.925	5.5	19.9
5 1	13 21.65	+ 3 28.2	1.970	2.911	8.6	20.1
5 11	13 13.93	+ 3 29.1	2.019	2.896	11.9	20.3
5 21	13 8.07	+ 3 13.6	2.089	2.881	14.8	20.4

11844 Ostwald 4 15.6 283.°88 0.°2/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.84	−11 14.6	2.350	3.180	11.5	18.1
3 22	13 52.52	−10 52.7	2.252	3.164	8.6	17.9
4 1	13 46.47	−10 21.4	2.179	3.148	5.3	17.6
4 11	13 39.26	− 9 43.6	2.132	3.132	1.7	17.3
4 21	13 31.57	− 9 2.9	2.115	3.115	2.1	17.3
5 1	13 24.21	− 8 23.6	2.126	3.099	5.8	17.6
5 11	13 17.90	− 7 50.4	2.163	3.083	9.3	17.7
5 21	13 13.20	− 7 26.5	2.225	3.066	12.4	17.9

419622 2010 SQ_{11} 4 15.6 283.°56 3.°0/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.31	−17 28.9	1.594	2.415	16.4	21.7
3 22	13 58.51	−17 46.3	1.487	2.387	13.0	21.4
4 1	13 50.80	−17 47.7	1.401	2.360	8.9	21.1
4 11	13 40.81	−17 32.6	1.340	2.332	4.6	20.8
4 21	13 29.65	−17 2.9	1.304	2.303	3.6	20.6
5 1	13 18.71	−16 23.4	1.295	2.275	7.9	20.8
5 11	13 9.42	−15 41.8	1.311	2.246	12.8	21.0
5 21	13 2.78	−15 5.6	1.347	2.217	17.2	21.2

75031 1999 UX_{23} 4 15.6 85.°62 4.°2/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.48	−19 56.7	1.321	2.146	18.9	19.2
3 22	13 58.73	−20 15.9	1.247	2.147	15.0	19.0
4 1	13 50.84	−20 13.2	1.192	2.148	10.4	18.7
4 11	13 40.76	−19 48.6	1.159	2.148	5.9	18.4
4 21	13 29.85	−19 5.1	1.151	2.149	4.5	18.4
5 1	13 19.74	−18 10.1	1.169	2.150	8.3	18.6
5 11	13 11.80	−17 13.4	1.209	2.150	13.0	18.8
5 21	13 6.88	−16 23.9	1.270	2.151	17.3	19.1

272797 2006 AT_1 4 15.6 72.°38 1.°2/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.57	−15 56.5	1.798	2.625	14.6	20.8
3 22	13 54.13	−15 31.4	1.724	2.631	11.1	20.6
4 1	13 47.55	−14 50.5	1.674	2.638	7.1	20.3
4 11	13 39.61	−13 57.2	1.648	2.645	2.9	20.1
4 21	13 31.25	−12 56.3	1.650	2.652	2.3	20.1
5 1	13 23.52	−11 54.7	1.680	2.659	6.5	20.3
5 11	13 17.30	−10 59.0	1.735	2.666	10.5	20.6
5 21	13 13.17	−10 14.4	1.812	2.673	13.9	20.8

222576 2001 VX_{125} 4 15.6 268.°09 0.°9/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.25	− 9 23.6	1.820	2.661	13.8	20.8
3 22	13 55.53	− 8 58.5	1.728	2.647	10.4	20.6
4 1	13 48.54	− 8 23.1	1.660	2.632	6.4	20.3
4 11	13 39.98	− 7 41.1	1.618	2.617	2.0	20.0
4 21	13 30.76	− 6 57.6	1.603	2.602	3.0	20.0
5 1	13 21.98	− 6 18.3	1.616	2.587	7.5	20.2
5 11	13 14.63	− 5 48.9	1.654	2.572	11.7	20.5
5 21	13 9.40	− 5 32.8	1.713	2.556	15.4	20.7

328281 2008 GP_{82} 4 15.6 286.°28 2.°5/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.14	− 4 12.5	1.656	2.506	14.5	20.7
3 22	13 57.82	− 4 1.0	1.573	2.496	10.9	20.5
4 1	13 50.00	− 3 44.9	1.513	2.486	6.7	20.2
4 11	13 40.45	− 3 28.7	1.479	2.476	2.9	19.9
4 21	13 30.23	− 3 16.9	1.471	2.466	4.3	20.0
5 1	13 20.54	− 3 14.1	1.491	2.456	8.7	20.2
5 11	13 12.49	− 3 23.9	1.535	2.446	12.9	20.4
5 21	13 6.81	− 3 47.6	1.600	2.437	16.6	20.6

215898 2005 GR_{69} 4 15.6 341.°60 8.°2/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.85	+ 6 7.5	1.365	2.235	15.8	20.0
3 22	13 55.60	+ 7 20.1	1.304	2.231	12.3	19.8
4 1	13 48.68	+ 8 29.2	1.265	2.226	9.3	19.6
4 11	13 40.01	+ 9 24.3	1.249	2.223	8.2	19.5
4 21	13 30.80	+ 9 56.9	1.258	2.219	10.0	19.6
5 1	13 22.35	+10 1.4	1.289	2.217	13.4	19.8
5 11	13 15.80	+ 9 36.8	1.342	2.214	17.0	20.0
5 21	13 11.82	+ 8 46.1	1.411	2.212	20.1	20.2

507303 2011 LO_{12} 4 15.6 307.°52 2.°0/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.22	−19 20.0	1.774	2.596	15.0	21.1
3 22	13 51.91	−18 39.8	1.676	2.578	11.7	20.9
4 1	13 46.37	−17 38.1	1.600	2.560	7.8	20.6
4 11	13 39.29	−16 17.4	1.549	2.543	3.7	20.3
4 21	13 31.58	−14 43.0	1.525	2.526	2.6	20.2
5 1	13 24.31	−13 3.4	1.528	2.509	6.7	20.4
5 11	13 18.46	−11 28.0	1.556	2.492	11.0	20.6
5 21	13 14.72	−10 4.7	1.607	2.476	14.9	20.8

501512 2014 DE_{116} 4 15.6 112.°69 1.°7/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.18	−16 15.7	2.419	3.227	11.9	21.5
3 22	13 54.12	−16 17.9	2.338	3.233	9.1	21.3
4 1	13 47.37	−16 9.1	2.281	3.239	6.0	21.1
4 11	13 39.54	−15 50.8	2.251	3.245	2.8	20.9
4 21	13 31.35	−15 25.4	2.251	3.251	2.1	20.9
5 1	13 23.61	−14 56.6	2.279	3.256	5.2	21.1
5 11	13 17.01	−14 28.7	2.334	3.262	8.3	21.3
5 21	13 12.06	−14 5.3	2.414	3.267	11.1	21.5

94016 2000 XC_{30} 4 15.6 185.°90 0.°2/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.05	−11 41.3	2.493	3.309	11.3	19.8
3 22	13 56.20	−11 33.6	2.405	3.309	8.5	19.6
4 1	13 48.63	−11 17.6	2.343	3.308	5.3	19.4
4 11	13 39.95	−10 55.4	2.309	3.307	1.8	19.1
4 21	13 30.87	−10 30.0	2.304	3.305	1.9	19.1
5 1	13 22.20	−10 4.8	2.330	3.303	5.4	19.4
5 11	13 14.66	− 9 43.7	2.384	3.299	8.7	19.6
5 21	13 8.77	− 9 29.6	2.462	3.296	11.6	19.8

187710 2008 EM_{47} 4 15.6 272.°69 2.°9/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.11	− 4 41.5	1.783	2.634	13.6	20.9
3 22	13 55.47	− 3 58.0	1.692	2.616	10.2	20.7
4 1	13 48.54	− 3 7.1	1.624	2.597	6.3	20.4
4 11	13 40.00	− 2 14.1	1.582	2.578	3.1	20.2
4 21	13 30.78	− 1 25.4	1.568	2.559	4.7	20.2
5 1	13 21.98	− 0 47.3	1.581	2.540	8.8	20.4
5 11	13 14.61	− 0 24.7	1.617	2.520	12.9	20.6
5 21	13 9.38	− 0 20.0	1.675	2.501	16.4	20.8

434078 2001 YB_{15} 4 15.6 145.°56 2.°6/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.45	−21 40.0	2.708	3.492	11.4	21.4
3 22	13 52.70	−21 25.6	2.623	3.499	9.0	21.2
4 1	13 46.44	−20 57.2	2.563	3.506	6.3	21.1
4 11	13 39.24	−20 16.3	2.529	3.513	3.7	20.9
4 21	13 31.74	−19 25.6	2.524	3.519	2.7	20.8
5 1	13 24.66	−18 29.1	2.548	3.525	4.7	21.0
5 11	13 18.62	−17 31.7	2.601	3.531	7.5	21.2
5 21	13 14.07	−16 38.1	2.679	3.536	10.0	21.3

380181 2000 SJ_{149} 4 15.6 223.°24 0.°2/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.79	−12 21.1	2.515	3.331	11.2	22.2
3 22	13 55.34	−11 59.5	2.414	3.318	8.5	22.0
4 1	13 48.17	−11 28.3	2.339	3.305	5.3	21.8
4 11	13 39.83	−10 49.8	2.292	3.291	1.8	21.5
4 21	13 31.02	−10 7.4	2.276	3.276	1.9	21.5
5 1	13 22.54	− 9 25.4	2.289	3.261	5.5	21.7
5 11	13 15.12	− 8 48.2	2.329	3.245	8.9	21.9
5 21	13 9.30	− 8 19.2	2.395	3.228	11.9	22.1

29663 Evanmackay 4 15.6 100.°76 2.°6/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.67	− 5 58.5	1.406	2.261	16.3	19.2
3 22	13 58.31	− 5 24.4	1.344	2.270	12.1	19.0
4 1	13 50.28	− 4 42.1	1.305	2.279	7.4	18.7
4 11	13 40.52	− 3 57.6	1.290	2.288	3.0	18.5
4 21	13 30.30	− 3 18.0	1.301	2.296	4.6	18.6
5 1	13 20.95	− 2 49.6	1.338	2.304	9.3	18.9
5 11	13 13.58	− 2 37.1	1.398	2.312	13.7	19.1
5 21	13 8.84	− 2 42.2	1.478	2.320	17.4	19.4

389274 2009 HD_{14} 4 15.6 26.°44 4.°6/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.10	+ 2 40.5	1.817	2.669	13.3	20.2
3 22	13 56.56	+ 2 52.9	1.756	2.678	10.0	20.0
4 1	13 48.95	+ 3 2.8	1.720	2.687	6.7	19.8
4 11	13 40.06	+ 3 5.3	1.709	2.696	4.6	19.7
4 21	13 30.85	+ 2 56.6	1.726	2.706	5.9	19.8
5 1	13 22.34	+ 2 34.2	1.770	2.717	9.0	20.0
5 11	13 15.38	+ 1 57.5	1.838	2.728	12.2	20.2
5 21	13 10.50	+ 1 7.3	1.928	2.740	15.1	20.5

143289 2003 AL_{33} 4 15.6 133.°73 1.°0/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.38	− 9 19.1	1.978	2.813	13.1	20.8
3 22	13 55.95	− 8 46.3	1.909	2.824	9.7	20.6
4 1	13 48.56	− 8 4.5	1.863	2.834	5.9	20.4
4 11	13 39.94	− 7 17.7	1.845	2.844	1.9	20.1
4 21	13 30.98	− 6 31.0	1.855	2.854	2.8	20.2
5 1	13 22.64	− 5 49.7	1.894	2.863	6.8	20.5
5 11	13 15.72	− 5 18.3	1.958	2.871	10.5	20.7
5 21	13 10.76	− 4 59.6	2.046	2.879	13.6	20.9

288465 2004 EE_{92} 4 15.6 157.°98 1.°6/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.99	−16 57.3	2.626	3.428	11.2	21.4
3 22	13 53.86	−16 48.0	2.542	3.433	8.6	21.2
4 1	13 47.17	−16 27.6	2.482	3.439	5.7	21.0
4 11	13 39.48	−15 57.6	2.450	3.443	2.7	20.8
4 21	13 31.48	−15 20.8	2.448	3.448	2.0	20.8
5 1	13 23.88	−14 40.9	2.475	3.452	4.8	21.0
5 11	13 17.35	−14 2.3	2.530	3.455	7.8	21.2
5 21	13 12.35	−13 28.7	2.610	3.459	10.5	21.3

170461 2003 UO_{206} 4 15.6 202.°42 2.°4/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.15	− 5 2.6	1.909	2.750	13.2	20.4
3 22	13 57.46	− 4 30.0	1.827	2.746	9.9	20.1
4 1	13 49.61	− 3 51.4	1.770	2.742	6.1	19.9
4 11	13 40.31	− 3 11.4	1.741	2.737	2.7	19.7
4 21	13 30.51	− 2 35.3	1.739	2.732	4.1	19.8
5 1	13 21.24	− 2 8.1	1.766	2.726	8.0	20.0
5 11	13 13.42	− 1 53.7	1.818	2.719	11.7	20.2
5 21	13 7.69	− 1 54.1	1.892	2.712	15.0	20.4

206216 2002 VD_{40} 4 15.6 84.°23 2.°3/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.40	−18 7.4	2.245	3.046	12.9	20.1
3 22	13 55.77	−18 11.9	2.179	3.069	10.0	20.0
4 1	13 48.36	−18 3.3	2.138	3.091	6.7	19.8
4 11	13 39.86	−17 43.1	2.123	3.114	3.4	19.6
4 21	13 31.10	−17 14.0	2.137	3.136	2.6	19.6
5 1	13 22.93	−16 40.3	2.180	3.157	5.4	19.8
5 11	13 16.11	−16 6.7	2.250	3.179	8.5	20.1
5 21	13 11.10	−15 37.4	2.345	3.200	11.3	20.3

458761 2011 SV_{10} 4 15.6 141.°80 1.°3/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.48	−15 38.2	1.837	2.653	14.8	23.2
3 22	13 58.46	−15 19.9	1.764	2.665	11.3	23.0
4 1	13 50.18	−14 46.8	1.715	2.678	7.2	22.7
4 11	13 40.48	−14 1.6	1.693	2.689	2.9	22.5
4 21	13 30.37	−13 8.7	1.698	2.699	2.4	22.5
5 1	13 20.97	−12 14.5	1.732	2.709	6.5	22.8
5 11	13 13.22	−11 25.4	1.793	2.718	10.5	23.0
5 21	13 7.70	−10 46.4	1.876	2.726	14.0	23.2

58738 1998 EX_{10} 4 15.6 21.°66 0.°7/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.19	−11 50.9	1.259	2.113	18.0	19.4
3 22	13 57.65	−12 1.7	1.194	2.117	13.6	19.1
4 1	13 50.10	−11 59.2	1.149	2.121	8.5	18.8
4 11	13 40.53	−11 45.9	1.128	2.127	3.0	18.5
4 21	13 30.29	−11 26.2	1.131	2.132	2.9	18.5
5 1	13 20.92	−11 6.4	1.158	2.139	8.4	18.9
5 11	13 13.70	−10 53.0	1.209	2.146	13.4	19.1
5 21	13 9.37	−10 50.5	1.279	2.154	17.6	19.4

407282 2010 GB_{117} 4 15.6 333.°24 0.°3/15.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.98	− 9 31.7	1.172	2.035	18.4	20.7
3 22	13 57.88	− 9 41.6	1.097	2.026	13.9	20.4
4 1	13 50.49	− 9 40.3	1.042	2.017	8.7	20.1
4 11	13 40.73	− 9 30.9	1.010	2.009	2.8	19.7
4 21	13 30.00	− 9 18.1	1.001	2.002	3.4	19.7
5 1	13 19.98	− 9 8.1	1.016	1.996	9.4	20.1
5 11	13 12.17	− 9 7.1	1.052	1.990	14.9	20.3
5 21	13 7.50	− 9 19.1	1.108	1.985	19.6	20.6

247425 2002 CH_{289} 4 15.6 323.°09 19.°8/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.28	+34 20.0	1.299	2.106	20.2	19.6
3 22	13 57.26	+36 47.5	1.269	2.093	19.8	19.5
4 1	13 49.94	+38 39.9	1.256	2.079	20.2	19.5
4 11	13 40.47	+39 43.6	1.260	2.066	21.2	19.5
4 21	13 30.41	+39 51.6	1.277	2.054	22.7	19.6
5 1	13 21.44	+39 3.2	1.308	2.043	24.3	19.7
5 11	13 14.89	+37 24.7	1.350	2.032	26.0	19.8
5 21	13 11.44	+35 5.4	1.401	2.023	27.4	19.9

5396 1988 SH_{1} 4 15.6 127.°24 0.°1/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.50	−13 10.7	1.809	2.639	14.4	17.9
3 22	13 56.20	−12 27.4	1.741	2.652	10.8	17.7
4 1	13 48.77	−11 30.2	1.696	2.665	6.6	17.5
4 11	13 40.02	−10 23.7	1.678	2.677	2.1	17.2
4 21	13 30.93	− 9 13.8	1.688	2.689	2.5	17.3
5 1	13 22.55	− 8 7.6	1.726	2.700	6.9	17.6
5 11	13 15.74	− 7 11.5	1.790	2.711	10.8	17.8
5 21	13 11.05	− 6 29.7	1.877	2.721	14.2	18.0

370955 2005 ST_{76} 4 15.6 242.°81 0.°5/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.88	−10 56.1	1.893	2.729	13.6	22.0
3 22	13 55.14	−10 24.6	1.804	2.719	10.2	21.8
4 1	13 48.26	− 9 41.4	1.739	2.710	6.3	21.5
4 11	13 39.91	− 8 50.3	1.700	2.700	2.0	21.2
4 21	13 31.01	− 7 56.4	1.689	2.689	2.7	21.3
5 1	13 22.56	− 7 5.9	1.706	2.679	7.1	21.5
5 11	13 15.51	− 6 24.4	1.749	2.668	11.1	21.7
5 21	13 10.49	− 5 56.1	1.814	2.657	14.7	21.9

517614 2014 WP_{519} 4 15.6 71.°69 6.°1/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.19	+ 2 17.4	1.724	2.587	13.4	21.3
3 22	13 53.03	+ 3 55.8	1.669	2.596	10.1	21.1
4 1	13 46.84	+ 5 35.0	1.639	2.604	7.2	21.0
4 11	13 39.41	+ 7 5.7	1.635	2.612	6.2	20.9
4 21	13 31.66	+ 8 19.9	1.658	2.621	7.9	21.0
5 1	13 24.58	+ 9 11.3	1.706	2.629	10.9	21.2
5 11	13 18.99	+ 9 37.4	1.777	2.638	14.0	21.5
5 21	13 15.40	+ 9 38.8	1.866	2.646	16.7	21.7

394130 2006 HY_{51} 4 15.6 102.°96 3.°6/10.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.55	+ 4 10.5	3.551	4.363	8.3	23.7
3 22	13 59.41	+ 5 11.6	3.508	4.406	6.3	23.6
4 1	13 50.18	+ 6 10.6	3.495	4.447	4.4	23.5
4 11	13 40.39	+ 7 3.5	3.516	4.487	3.6	23.5
4 21	13 30.59	+ 7 47.3	3.571	4.525	4.5	23.6
5 1	13 21.33	+ 8 19.5	3.658	4.562	6.2	23.8
5 11	13 13.10	+ 8 38.9	3.774	4.598	8.0	24.0
5 21	13 6.19	+ 8 45.9	3.916	4.632	9.6	24.1

23203 2000 SU_{161} 4 15.6 52.°41 9.°2/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.18	+10 29.3	1.603	2.466	14.2	17.4
3 22	13 53.85	+12 12.5	1.562	2.477	11.5	17.2
4 1	13 47.36	+13 47.0	1.544	2.488	9.6	17.2
4 11	13 39.57	+15 2.6	1.551	2.500	9.4	17.2
4 21	13 31.51	+15 52.0	1.582	2.512	11.0	17.3
5 1	13 24.23	+16 11.0	1.636	2.524	13.4	17.5
5 11	13 18.60	+16 0.2	1.710	2.536	16.0	17.7
5 21	13 15.12	+15 22.9	1.802	2.549	18.3	17.9

145331 2005 LC_{39} 4 15.6 324.°38 4.°5/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 56.80	− 3 34.2	1.425	2.294	15.3	19.5
3 22	13 53.30	− 2 16.1	1.353	2.286	11.4	19.3
4 1	13 47.31	− 0 48.8	1.304	2.279	7.2	19.0
4 11	13 39.63	+ 0 38.7	1.279	2.272	4.5	18.8
4 21	13 31.36	+ 1 56.7	1.280	2.265	6.6	18.9
5 1	13 23.73	+ 2 56.2	1.305	2.259	10.8	19.1
5 11	13 17.82	+ 3 31.6	1.353	2.253	15.0	19.4
5 21	13 14.30	+ 3 41.4	1.419	2.248	18.7	19.6

298916 2004 TT_{103} 4 15.6 157.°02 1.°5/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.01	− 9 53.1	1.634	2.478	15.0	21.3
3 22	13 56.10	− 8 55.4	1.563	2.483	11.1	21.0
4 1	13 48.85	− 7 44.6	1.514	2.487	6.7	20.8
4 11	13 40.09	− 6 26.8	1.492	2.491	2.3	20.5
4 21	13 30.88	− 5 9.5	1.497	2.495	3.6	20.6
5 1	13 22.36	− 4 0.9	1.530	2.498	8.2	20.9
5 11	13 15.52	− 3 7.4	1.587	2.500	12.4	21.1
5 21	13 10.95	− 2 32.6	1.665	2.502	16.0	21.4

215419 2002 GM_{126} 4 15.6 301.°48 1.°8/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.17	−14 18.8	1.422	2.262	17.0	20.7
3 22	13 57.66	−14 32.1	1.336	2.250	13.2	20.5
4 1	13 50.22	−14 30.7	1.271	2.238	8.6	20.2
4 11	13 40.65	−14 15.9	1.230	2.226	3.6	19.8
4 21	13 30.14	−13 50.9	1.214	2.215	3.0	19.8
5 1	13 20.18	−13 21.6	1.223	2.204	8.1	20.0
5 11	13 12.09	−12 55.2	1.256	2.193	13.0	20.3
5 21	13 6.78	−12 37.7	1.309	2.182	17.4	20.5

39735 1996 YY_{1} 4 15.6 182.°07 2.°0/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.90	− 5 45.3	2.421	3.256	11.0	20.3
3 22	13 54.60	− 5 4.5	2.341	3.257	8.1	20.1
4 1	13 47.66	− 4 18.1	2.286	3.258	4.9	19.9
4 11	13 39.67	− 3 30.2	2.260	3.257	2.2	19.7
4 21	13 31.36	− 2 45.0	2.264	3.256	3.4	19.8
5 1	13 23.48	− 2 7.2	2.297	3.255	6.5	20.0
5 11	13 16.72	− 1 40.0	2.356	3.253	9.6	20.2
5 21	13 11.55	− 1 25.4	2.439	3.250	12.4	20.3

425331 2010 AO_{63} 4 15.6 115.°34 3.°9/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.84	+ 0 27.4	2.209	3.054	11.6	21.9
3 22	13 55.26	+ 1 15.1	2.153	3.071	8.6	21.7
4 1	13 48.01	+ 2 3.3	2.121	3.088	5.7	21.5
4 11	13 39.76	+ 2 46.8	2.118	3.104	3.9	21.5
4 21	13 31.31	+ 3 21.1	2.143	3.120	5.2	21.6
5 1	13 23.45	+ 3 42.2	2.196	3.135	8.0	21.8
5 11	13 16.88	+ 3 48.3	2.275	3.150	10.8	22.0
5 21	13 12.04	+ 3 39.3	2.375	3.165	13.3	22.2

58556 1997 HH_{7} 4 15.6 307.°39 0.°5/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 55.45	−14 8.0	2.187	3.015	12.3	19.5
3 22	13 51.62	−13 40.0	2.093	3.002	9.3	19.3
4 1	13 46.01	−12 59.5	2.022	2.989	5.9	19.1
4 11	13 39.19	−12 9.3	1.978	2.976	2.1	18.8
4 21	13 31.90	−11 13.5	1.962	2.963	2.0	18.8
5 1	13 24.97	−10 17.5	1.974	2.951	5.9	19.0
5 11	13 19.19	− 9 26.9	2.012	2.938	9.5	19.2
5 21	13 15.09	− 8 46.0	2.074	2.926	12.7	19.4

296255 2009 DU_{23} 4 15.6 76.°00 2.°0/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.67	− 5 56.1	2.151	2.995	11.8	21.5
3 22	13 53.10	− 5 20.1	2.080	3.001	8.7	21.3
4 1	13 46.79	− 4 38.3	2.033	3.006	5.3	21.1
4 11	13 39.40	− 3 55.0	2.014	3.012	2.2	20.9
4 21	13 31.69	− 3 14.9	2.023	3.017	3.5	21.0
5 1	13 24.49	− 2 42.4	2.060	3.023	6.9	21.2
5 11	13 18.50	− 2 21.3	2.123	3.028	10.2	21.4
5 21	13 14.22	− 2 13.2	2.209	3.034	13.0	21.6

344359 2001 XH_{32} 4 15.6 178.°30 2.°0/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 57.07	−19 28.4	2.668	3.462	11.3	21.5
3 22	13 52.47	−19 6.8	2.578	3.463	8.8	21.4
4 1	13 46.35	−18 32.0	2.513	3.464	5.9	21.2
4 11	13 39.26	−17 45.7	2.475	3.465	3.1	21.0
4 21	13 31.85	−16 50.9	2.466	3.465	2.2	20.9
5 1	13 24.82	−15 52.1	2.487	3.465	4.8	21.1
5 11	13 18.81	−14 54.1	2.536	3.464	7.7	21.3
5 21	13 14.29	−14 1.4	2.610	3.463	10.4	21.4

105694 2000 SV_{62} 4 15.6 292.°87 2.°5/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 54.66	−22 54.0	4.328	5.088	7.8	19.4
3 22	13 50.24	−23 12.1	4.223	5.080	6.3	19.2
4 1	13 44.83	−23 21.9	4.144	5.072	4.6	19.1
4 11	13 38.75	−23 23.7	4.093	5.064	3.1	19.0
4 21	13 32.42	−23 18.3	4.071	5.056	2.5	18.9
5 1	13 26.25	−23 7.0	4.079	5.048	3.5	19.0
5 11	13 20.66	−22 52.1	4.117	5.040	5.1	19.1
5 21	13 15.98	−22 35.9	4.180	5.032	6.8	19.2

213169 2000 SS_{53} 4 15.6 180.°65 0.°7/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.17	− 8 43.1	2.529	3.358	10.8	20.7
3 22	13 54.03	− 8 30.4	2.446	3.358	8.0	20.5
4 1	13 47.31	− 8 11.5	2.389	3.358	4.9	20.3
4 11	13 39.57	− 7 49.1	2.359	3.358	1.5	20.1
4 21	13 31.49	− 7 26.2	2.359	3.358	2.2	20.1
5 1	13 23.81	− 7 6.1	2.388	3.358	5.6	20.4
5 11	13 17.18	− 6 52.2	2.445	3.357	8.7	20.6
5 21	13 12.09	− 6 46.5	2.526	3.356	11.4	20.7

281635 2008 UT_{312} 4 15.6 299.°47 4.°7/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.09	−23 17.1	1.841	2.637	15.5	20.8
3 22	13 54.92	−23 34.9	1.741	2.620	12.6	20.5
4 1	13 48.34	−23 33.6	1.662	2.602	9.3	20.3
4 11	13 40.02	−23 12.4	1.606	2.585	6.0	20.1
4 21	13 30.90	−22 32.9	1.577	2.568	4.8	19.9
5 1	13 22.16	−21 39.5	1.574	2.551	7.1	20.0
5 11	13 14.88	−20 39.7	1.597	2.534	10.7	20.2
5 21	13 9.86	−19 41.2	1.642	2.518	14.3	20.4

203168 2000 XL_{45} 4 15.6 203.°63 15.°8/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.04	−40 2.3	1.348	2.060	24.0	20.0
3 22	14 8.20	−42 14.8	1.269	2.058	21.7	19.8
4 1	13 57.69	−43 57.5	1.206	2.055	19.3	19.6
4 11	13 43.32	−44 58.1	1.161	2.051	17.1	19.5
4 21	13 26.93	−45 8.0	1.135	2.047	15.9	19.4
5 1	13 11.12	−44 26.6	1.129	2.043	16.1	19.4
5 11	12 58.39	−43 4.6	1.143	2.038	17.7	19.5
5 21	12 50.21	−41 18.6	1.176	2.032	20.1	19.6

59713 1999 JA_{127} 4 15.6 259.°34 3.°7/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.19	−23 38.2	1.960	2.752	14.8	19.6
3 22	13 53.98	−23 16.7	1.863	2.741	11.9	19.4
4 1	13 47.61	−22 33.7	1.787	2.730	8.6	19.1
4 11	13 39.74	−21 29.9	1.736	2.718	5.2	18.9
4 21	13 31.29	−20 9.2	1.712	2.707	3.8	18.8
5 1	13 23.31	−18 38.0	1.716	2.695	6.3	18.9
5 11	13 16.74	−17 5.2	1.746	2.683	10.0	19.1
5 21	13 12.22	−15 38.5	1.800	2.671	13.5	19.3

381927 2010 CY_{137} 4 15.6 105.°28 2.°4/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.69	−18 29.0	1.980	2.790	14.1	21.1
3 22	13 54.89	−18 24.2	1.900	2.795	10.9	20.9
4 1	13 48.04	−18 3.9	1.844	2.799	7.4	20.7
4 11	13 39.85	−17 29.8	1.813	2.804	3.7	20.5
4 21	13 31.21	−16 45.2	1.810	2.809	2.8	20.4
5 1	13 23.13	−15 55.4	1.834	2.814	6.0	20.6
5 11	13 16.46	−15 6.7	1.885	2.818	9.6	20.9
5 21	13 11.79	−14 24.3	1.959	2.822	12.9	21.1

374181 2004 XV_{111} 4 15.6 122.°67 3.°8/12.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.37	+ 0 8.5	2.041	2.886	12.4	20.9
3 22	13 56.61	+ 0 37.2	1.975	2.894	9.2	20.7
4 1	13 48.95	+ 1 6.5	1.934	2.902	6.0	20.5
4 11	13 40.11	+ 1 31.6	1.920	2.910	3.8	20.4
4 21	13 30.95	+ 1 48.0	1.935	2.918	5.1	20.5
5 1	13 22.40	+ 1 52.2	1.978	2.925	8.2	20.7
5 11	13 15.24	+ 1 42.5	2.046	2.932	11.3	20.9
5 21	13 9.99	+ 1 18.7	2.135	2.939	14.1	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
192918	1999 YV_9		4 15.6	122.°23	2.°8/13.1	17
	h m	° ′			°	m
3 12	13 59.14	− 3 56.0	1.994	2.842	12.5	20.1
3 22	13 54.31	− 3 14.5	1.923	2.846	9.2	19.9
4 1	13 47.60	− 2 28.2	1.877	2.850	5.7	19.7
4 11	13 39.69	− 1 42.1	1.858	2.853	2.9	19.5
4 21	13 31.42	− 1 1.6	1.867	2.857	4.3	19.6
5 1	13 23.70	− 0 31.4	1.904	2.860	7.8	19.8
5 11	13 17.31	− 0 15.0	1.965	2.864	11.2	20.0
5 21	13 12.78	− 0 13.8	2.048	2.867	14.1	20.2
413123	2001 XS_1		4 15.6	76.°10	4.°3/20.4	15 C
3 12	14 7.77	−26 52.1	2.193	2.944	14.7	23.9
3 22	14 0.29	−26 36.3	2.146	2.996	11.8	23.8
4 1	13 50.97	−26 0.2	2.122	3.046	8.6	23.6
4 11	13 40.68	−25 5.2	2.125	3.095	5.6	23.5
4 21	13 30.40	−23 55.6	2.157	3.143	4.3	23.5
5 1	13 21.09	−22 37.5	2.218	3.189	5.8	23.7
5 11	13 13.46	−21 18.2	2.309	3.235	8.5	23.9
5 21	13 7.92	−20 4.1	2.424	3.279	11.0	24.2
472925	2015 GM_{18}		4 15.6	283.°66	5.°5/ 9.9	17
3 12	13 56.96	+ 4 1.8	2.116	2.972	11.6	21.2
3 22	13 52.63	+ 5 9.4	2.047	2.968	8.9	21.0
4 1	13 46.55	+ 6 16.1	2.004	2.965	6.4	20.9
4 11	13 39.35	+ 7 15.6	1.987	2.962	5.5	20.8
4 21	13 31.81	+ 8 1.8	1.997	2.958	6.9	20.9
5 1	13 24.74	+ 8 30.3	2.034	2.955	9.5	21.0
5 11	13 18.88	+ 8 39.1	2.094	2.952	12.3	21.2
5 21	13 14.73	+ 8 28.3	2.175	2.949	14.8	21.4
522635	2016 FZ_{67}		4 15.6	274.°01	2.°7/13.3	17
3 12	13 58.77	− 5 58.2	1.759	2.611	13.7	22.0
3 22	13 54.48	− 5 5.5	1.671	2.596	10.2	21.7
4 1	13 47.95	− 4 3.3	1.607	2.581	6.3	21.5
4 11	13 39.87	− 2 57.7	1.568	2.565	2.9	21.2
4 21	13 31.17	− 1 55.4	1.558	2.550	4.6	21.3
5 1	13 22.93	− 1 3.4	1.573	2.534	8.7	21.5
5 11	13 16.12	− 0 27.3	1.614	2.519	12.8	21.7
5 21	13 11.42	− 0 10.0	1.674	2.503	16.3	21.9
368216	2001 SR_{150}		4 15.6	206.°41	0.°1/15.6	17
3 12	14 0.07	−12 41.4	2.523	3.339	11.2	23.5
3 22	13 54.77	−12 1.4	2.428	3.332	8.4	23.3
4 1	13 47.82	−11 10.7	2.358	3.324	5.2	23.1
4 11	13 39.77	−10 12.2	2.317	3.316	1.7	22.8
4 21	13 31.32	− 9 10.3	2.306	3.306	2.0	22.8
5 1	13 23.24	− 8 9.8	2.325	3.296	5.6	23.1
5 11	13 16.23	− 7 15.7	2.372	3.284	8.9	23.3
5 21	13 10.80	− 6 31.7	2.443	3.272	11.8	23.4
326012	2010 WE_{53}		4 15.6	249.°16	3.°1/18.2	17
3 12	14 0.70	−20 16.6	1.827	2.633	15.2	21.5
3 22	13 56.02	−20 9.1	1.731	2.621	12.0	21.2
4 1	13 48.96	−19 42.6	1.657	2.609	8.3	21.0
4 11	13 40.21	−18 58.1	1.607	2.596	4.6	20.7
4 21	13 30.77	−17 58.8	1.585	2.583	3.3	20.6
5 1	13 21.77	−16 50.9	1.591	2.570	6.7	20.8
5 11	13 14.29	−15 42.4	1.622	2.556	10.8	21.0
5 21	13 9.05	−14 40.6	1.675	2.542	14.5	21.2
55035	2001 QP_{51}		4 15.6	150.°08	5.°0/ 9.8	18
3 12	13 57.36	+ 4 20.4	2.416	3.265	10.5	19.0
3 22	13 52.67	+ 5 26.8	2.353	3.270	8.1	18.8
4 1	13 46.45	+ 6 31.9	2.316	3.275	5.8	18.7
4 11	13 39.30	+ 7 29.8	2.307	3.280	5.0	18.6
4 21	13 31.89	+ 8 15.6	2.326	3.284	6.3	18.7
5 1	13 24.94	+ 8 45.5	2.372	3.288	8.6	18.9
5 11	13 19.09	+ 8 57.8	2.443	3.292	11.1	19.0
5 21	13 14.76	+ 8 52.6	2.535	3.296	13.3	19.2
233745	2008 SF_{301}		4 15.6	162.°77	2.°0/17.7	17
3 12	14 0.42	−18 0.7	2.322	3.123	12.5	21.1
3 22	13 55.16	−17 54.9	2.237	3.128	9.7	21.0
4 1	13 48.10	−17 36.0	2.177	3.131	6.5	20.8
4 11	13 39.86	−17 5.3	2.144	3.135	3.2	20.6
4 21	13 31.23	−16 25.9	2.139	3.138	2.4	20.5
5 1	13 23.06	−15 42.0	2.163	3.141	5.4	20.7
5 11	13 16.12	−14 58.8	2.215	3.143	8.7	20.9
5 21	13 10.94	−14 20.7	2.291	3.145	11.6	21.1
293180	2007 AY_{10}		4 15.6	168.°12	7.°7/ 8.0	17
3 12	14 0.32	+ 9 16.6	1.924	2.775	12.7	20.7
3 22	13 55.23	+10 41.6	1.867	2.778	10.2	20.5
4 1	13 48.17	+12 0.9	1.834	2.780	8.2	20.4
4 11	13 39.87	+13 6.5	1.828	2.782	7.8	20.4
4 21	13 31.24	+13 51.7	1.847	2.784	9.2	20.5
5 1	13 23.23	+14 12.3	1.892	2.785	11.7	20.6
5 11	13 16.64	+14 7.8	1.959	2.786	14.3	20.8
5 21	13 12.02	+13 39.9	2.045	2.786	16.6	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
383025	2005 ND_{55}		4 15.6	334.°74	6.°3/ 9.3	17
	h m	° ′			°	m
3 12	13 54.27	+ 3 9.7	1.713	2.582	13.1	20.4
3 22	13 51.07	+ 4 34.2	1.641	2.570	10.1	20.2
4 1	13 45.80	+ 6 0.2	1.592	2.558	7.3	20.0
4 11	13 39.16	+ 7 18.9	1.569	2.546	6.4	19.9
4 21	13 32.03	+ 8 22.0	1.572	2.535	8.2	20.0
5 1	13 25.39	+ 9 3.2	1.599	2.525	11.3	20.1
5 11	13 20.15	+ 9 19.3	1.648	2.516	14.6	20.3
5 21	13 16.89	+ 9 10.4	1.716	2.508	17.5	20.5
169899	2002 RX_{203}		4 15.6	281.°90	0.°8/14.9	17
3 12	13 58.28	−10 19.2	2.064	2.900	12.6	21.2
3 22	13 53.92	− 9 45.6	1.960	2.876	9.5	21.0
4 1	13 47.55	− 9 1.0	1.880	2.851	5.8	20.7
4 11	13 39.75	− 8 8.9	1.827	2.827	1.8	20.4
4 21	13 31.32	− 7 14.0	1.803	2.802	2.7	20.4
5 1	13 23.18	− 6 22.2	1.806	2.777	6.9	20.6
5 11	13 16.24	− 5 39.0	1.835	2.751	10.8	20.8
5 21	13 11.14	− 5 8.6	1.887	2.726	14.3	21.0
107105	2001 AB_{35}		4 15.6	155.°74	2.°4/13.7	18
3 12	14 4.11	− 5 12.1	1.908	2.747	13.3	20.0
3 22	13 58.07	− 4 38.9	1.837	2.755	9.9	19.8
4 1	13 49.93	− 4 0.0	1.791	2.763	6.0	19.5
4 11	13 40.46	− 3 20.0	1.772	2.769	2.7	19.3
4 21	13 30.60	− 2 44.1	1.782	2.775	4.0	19.4
5 1	13 21.38	− 2 17.1	1.820	2.780	7.8	19.7
5 11	13 13.68	− 2 2.8	1.883	2.785	11.4	19.9
5 21	13 8.06	− 2 2.7	1.969	2.788	14.6	20.1
236829	2007 RM_{63}		4 15.7	174.°92	1.°7/17.3	17
3 12	13 59.99	−16 35.9	2.285	3.093	12.5	21.3
3 22	13 54.89	−16 32.8	2.199	3.095	9.6	21.1
4 1	13 47.96	−16 17.5	2.138	3.096	6.3	20.9
4 11	13 39.83	−15 51.5	2.103	3.096	3.0	20.7
4 21	13 31.29	−15 17.8	2.097	3.097	2.2	20.6
5 1	13 23.19	−14 40.4	2.120	3.097	5.5	20.8
5 11	13 16.30	−14 4.2	2.169	3.097	8.8	21.0
5 21	13 11.17	−13 33.6	2.243	3.097	11.8	21.2
467632	2008 QB_{28}		4 15.7	256.°42	6.°0/ 8.6	18
3 12	13 58.74	+ 5 12.7	2.230	3.079	11.3	21.7
3 22	13 54.04	+ 6 41.4	2.141	3.057	8.8	21.5
4 1	13 47.51	+ 8 10.9	2.078	3.034	6.7	21.3
4 11	13 39.72	+ 9 33.9	2.044	3.010	6.1	21.2
4 21	13 31.40	+10 43.4	2.037	2.986	7.7	21.3
5 1	13 23.42	+11 33.6	2.057	2.961	10.3	21.4
5 11	13 16.56	+12 1.4	2.100	2.936	13.1	21.5
5 21	13 11.39	+12 6.6	2.164	2.909	15.7	21.7
140841	2001 UO_{198}		4 15.7	300.°79	1.°5/16.9	17
3 12	14 0.48	−14 35.3	2.091	2.911	13.1	19.9
3 22	13 55.49	−14 47.5	2.001	2.903	10.1	19.7
4 1	13 48.46	−14 49.0	1.933	2.895	6.5	19.4
4 11	13 40.03	−14 41.0	1.893	2.888	2.9	19.2
4 21	13 31.05	−14 25.8	1.880	2.881	2.3	19.1
5 1	13 22.46	−14 7.2	1.896	2.873	6.0	19.3
5 11	13 15.17	−13 49.6	1.938	2.866	9.6	19.6
5 21	13 9.78	−13 37.0	2.003	2.860	12.9	19.7
13100	1993 FB_{10}		4 15.7	199.°28	1.°8/13.9	18
3 12	14 1.22	− 7 12.8	2.072	2.910	12.5	19.0
3 22	13 55.90	− 6 29.2	1.989	2.906	9.3	18.8
4 1	13 48.63	− 5 37.5	1.931	2.902	5.6	18.6
4 11	13 40.06	− 4 42.3	1.900	2.898	2.2	18.4
4 21	13 31.05	− 3 48.8	1.898	2.892	3.5	18.4
5 1	13 22.51	− 3 2.7	1.924	2.886	7.3	18.7
5 11	13 15.29	− 2 28.5	1.977	2.880	10.9	18.9
5 21	13 9.96	− 2 8.8	2.052	2.872	14.0	19.1
33715	1999 LP_{25}		4 15.7	276.°03	3.°6/19.6	18
3 12	13 56.88	−23 53.7	2.334	3.116	13.1	18.7
3 22	13 52.72	−23 44.4	2.232	3.103	10.5	18.5
4 1	13 46.71	−23 17.6	2.152	3.090	7.7	18.3
4 11	13 39.46	−22 33.6	2.099	3.077	4.9	18.1
4 21	13 31.72	−21 35.2	2.073	3.064	3.7	18.0
5 1	13 24.33	−20 26.8	2.075	3.052	5.6	18.1
5 11	13 18.10	−19 15.0	2.104	3.039	8.7	18.2
5 21	13 13.60	−18 6.0	2.158	3.026	11.7	18.4
11941	Archinal		4 15.7	269.°26	20.°7/ 2.4	18
3 12	14 16.89	+33 8.9	1.177	1.975	22.4	17.1
3 22	14 9.08	+34 43.4	1.139	1.969	21.2	17.0
4 1	13 57.23	+35 40.2	1.117	1.963	20.7	16.9
4 11	13 42.85	+35 44.0	1.111	1.957	21.0	16.9
4 21	13 28.03	+34 47.5	1.123	1.951	22.2	17.0
5 1	13 14.89	+32 52.4	1.151	1.945	23.9	17.1
5 11	13 4.98	+30 8.8	1.193	1.939	25.9	17.2
5 21	12 58.93	+26 50.5	1.249	1.933	27.8	17.4

428768 2008 SP_{167} 4 15.7 242.°88 0.°8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.91	− 8 9.5	2.401	3.226	11.4	21.3
3 22	13 57.07	− 7 59.4	2.298	3.208	8.6	21.1
4 1	13 49.35	− 7 42.9	2.221	3.190	5.3	20.9
4 11	13 40.32	− 7 22.6	2.171	3.170	1.7	20.6
4 21	13 30.73	− 7 1.7	2.152	3.151	2.5	20.6
5 1	13 21.43	− 6 43.8	2.163	3.130	6.2	20.8
5 11	13 13.24	− 6 32.3	2.201	3.109	9.7	21.0
5 21	13 6.74	− 6 29.9	2.263	3.088	12.7	21.2

3349 Manas 4 15.7 356.°40 1.°4/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.57	− 7 47.3	1.811	2.656	13.7	16.7
3 22	13 54.90	− 7 22.8	1.735	2.656	10.2	16.5
4 1	13 48.11	− 6 50.1	1.682	2.656	6.2	16.2
4 11	13 39.91	− 6 13.4	1.656	2.655	2.1	16.0
4 21	13 31.25	− 5 37.8	1.657	2.655	3.3	16.0
5 1	13 23.15	− 5 8.4	1.686	2.655	7.4	16.3
5 11	13 16.51	− 4 49.8	1.739	2.655	11.3	16.5
5 21	13 11.93	− 4 44.5	1.814	2.655	14.7	16.7

83877 2001 UE_{96} 4 15.7 67.°33 0.°8/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 54.84	− 8 40.4	2.902	3.733	9.5	20.1
3 22	13 50.57	− 8 10.6	2.838	3.752	7.0	20.0
4 1	13 45.08	− 7 35.2	2.800	3.771	4.2	19.8
4 11	13 38.87	− 6 57.2	2.791	3.790	1.4	19.6
4 21	13 32.49	− 6 19.9	2.811	3.809	2.1	19.7
5 1	13 26.50	− 5 46.5	2.860	3.827	4.9	19.9
5 11	13 21.41	− 5 20.0	2.937	3.846	7.5	20.1
5 21	13 17.58	− 5 2.2	3.038	3.865	9.8	20.3

94428 2001 TH_{40} 4 15.7 203.°86 2.°2/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.80	−17 26.7	1.926	2.732	14.5	20.2
3 22	13 58.90	−17 23.7	1.834	2.728	11.3	20.0
4 1	13 50.65	−17 5.4	1.765	2.722	7.5	19.8
4 11	13 40.77	−16 32.9	1.722	2.715	3.6	19.5
4 21	13 30.24	−15 49.5	1.708	2.708	2.7	19.4
5 1	13 20.21	−15 0.5	1.722	2.699	6.5	19.6
5 11	13 11.70	−14 12.4	1.763	2.690	10.5	19.8
5 21	13 5.40	−13 31.1	1.827	2.680	14.1	20.1

284226 2006 DF_{44} 4 15.7 276.°93 5.°9/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 56.71	−42 29.7	4.538	5.151	9.3	20.4
3 22	13 51.99	−43 6.5	4.433	5.146	8.4	20.3
4 1	13 46.03	−43 29.9	4.349	5.140	7.4	20.2
4 11	13 39.21	−43 38.5	4.287	5.135	6.5	20.1
4 21	13 32.04	−43 32.2	4.250	5.130	6.0	20.1
5 1	13 25.06	−43 11.8	4.240	5.124	5.9	20.1
5 11	13 18.79	−42 39.7	4.255	5.119	6.4	20.1
5 21	13 13.64	−41 59.1	4.294	5.113	7.3	20.1

201825 2003 YN_{29} 4 15.7 232.°72 10.°7/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.06	+27 52.0	2.599	3.387	11.7	20.2
3 22	13 55.56	+29 21.7	2.548	3.375	10.9	20.2
4 1	13 48.31	+30 35.6	2.521	3.361	10.7	20.1
4 11	13 39.95	+31 26.7	2.518	3.348	11.1	20.1
4 21	13 31.25	+31 50.7	2.537	3.333	12.1	20.2
5 1	13 23.03	+31 46.0	2.578	3.319	13.4	20.2
5 11	13 16.02	+31 13.8	2.637	3.304	14.8	20.3
5 21	13 10.72	+30 17.4	2.711	3.288	16.0	20.4

59061 1998 UP_{25} 4 15.7 151.°30 3.°4/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.17	− 4 28.9	1.488	2.343	15.6	19.9
3 22	13 57.92	− 3 42.3	1.421	2.347	11.6	19.6
4 1	13 50.09	− 2 48.5	1.377	2.351	7.2	19.4
4 11	13 40.57	− 1 54.3	1.358	2.354	3.6	19.2
4 21	13 30.55	− 1 6.9	1.366	2.357	5.3	19.3
5 1	13 21.30	− 0 33.2	1.399	2.360	9.6	19.5
5 11	13 13.90	− 0 17.5	1.456	2.362	13.8	19.8
5 21	13 9.01	− 0 21.1	1.533	2.364	17.5	20.0

338174 2002 RY_{115} 4 15.7 190.°93 2.°0/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.48	−18 27.8	2.298	3.102	12.6	20.9
3 22	13 53.79	−18 13.2	2.209	3.101	9.8	20.7
4 1	13 47.30	−17 44.4	2.145	3.100	6.5	20.5
4 11	13 39.65	−17 3.2	2.107	3.099	3.3	20.3
4 21	13 31.59	−16 12.9	2.098	3.097	2.4	20.2
5 1	13 23.96	−15 18.3	2.117	3.096	5.4	20.4
5 11	13 17.53	−14 25.0	2.164	3.094	8.7	20.6
5 21	13 12.81	−13 37.7	2.235	3.092	11.8	20.8

499766 2011 CU_8 4 15.7 31.°23 5.°1/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.65	−23 50.5	1.668	2.466	16.8	20.9
3 22	13 56.12	−24 12.2	1.590	2.469	13.6	20.7
4 1	13 49.06	−24 12.9	1.532	2.472	10.0	20.4
4 11	13 40.28	−23 51.8	1.498	2.476	6.6	20.2
4 21	13 30.87	−23 11.2	1.489	2.480	5.1	20.2
5 1	13 22.11	−22 16.7	1.507	2.484	7.3	20.3
5 11	13 15.08	−21 16.5	1.549	2.488	10.9	20.5
5 21	13 10.49	−20 18.6	1.614	2.492	14.4	20.7

409317 2004 TN_{202} 4 15.7 280.°01 0.°8/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.45	− 8 20.2	1.485	2.330	16.1	21.1
3 22	14 0.15	− 8 23.6	1.390	2.309	12.3	20.8
4 1	13 51.85	− 8 18.5	1.316	2.288	7.6	20.4
4 11	13 41.29	− 8 7.8	1.267	2.266	2.5	20.1
4 21	13 29.62	− 7 55.5	1.244	2.244	3.4	20.1
5 1	13 18.34	− 7 46.9	1.248	2.222	8.8	20.3
5 11	13 8.84	− 7 47.1	1.275	2.200	13.9	20.5
5 21	13 2.09	− 7 59.8	1.323	2.177	18.4	20.7

146430 2001 QR_{259} 4 15.7 158.°75 4.°1/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.34	−23 28.2	1.971	2.758	15.0	20.4
3 22	13 56.26	−23 30.9	1.888	2.762	12.0	20.2
4 1	13 48.97	−23 14.4	1.826	2.765	8.7	20.0
4 11	13 40.22	−22 38.9	1.789	2.768	5.5	19.8
4 21	13 30.97	−21 47.4	1.779	2.771	4.2	19.7
5 1	13 22.28	−20 45.1	1.797	2.774	6.4	19.9
5 11	13 15.09	−19 39.4	1.842	2.776	9.8	20.1
5 21	13 10.03	−18 37.2	1.910	2.778	13.0	20.3

360397 2002 EG_{155} 4 15.7 357.°76 4.°4/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 56.47	− 3 34.4	1.034	1.921	18.3	19.9
3 22	13 53.80	− 2 54.6	0.974	1.916	13.7	19.6
4 1	13 47.96	− 2 7.1	0.933	1.913	8.6	19.3
4 11	13 39.98	− 1 20.6	0.914	1.911	4.6	19.1
4 21	13 31.26	− 0 44.5	0.917	1.910	6.6	19.2
5 1	13 23.42	− 0 26.9	0.942	1.911	11.7	19.5
5 11	13 17.84	− 0 32.5	0.986	1.914	16.7	19.8
5 21	13 15.25	− 1 1.7	1.047	1.918	21.0	20.0

244377 2002 PM_7 4 15.7 305.°37 10.°8/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.32	−38 36.4	1.989	2.685	17.6	20.4
3 22	13 58.49	−39 54.0	1.893	2.675	15.8	20.2
4 1	13 50.80	−40 47.7	1.816	2.664	13.8	20.0
4 11	13 40.94	−41 12.2	1.759	2.654	12.0	19.9
4 21	13 30.04	−41 4.5	1.724	2.644	10.9	19.8
5 1	13 19.51	−40 25.8	1.714	2.635	11.0	19.8
5 11	13 10.71	−39 22.6	1.726	2.625	12.4	19.8
5 21	13 4.58	−38 4.1	1.760	2.616	14.5	19.9

324467 2006 UP_{43} 4 15.7 171.°89 1.°6/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.84	− 7 13.5	1.814	2.655	13.9	20.7
3 22	13 57.34	− 6 52.5	1.738	2.657	10.3	20.5
4 1	13 49.61	− 6 24.0	1.686	2.658	6.3	20.2
4 11	13 40.43	− 5 52.0	1.660	2.659	2.2	20.0
4 21	13 30.76	− 5 21.4	1.663	2.660	3.4	20.1
5 1	13 21.70	− 4 57.3	1.693	2.661	7.6	20.3
5 11	13 14.17	− 4 43.7	1.748	2.661	11.5	20.5
5 21	13 8.79	− 4 43.1	1.825	2.661	14.9	20.8

275245 2009 XW_6 4 15.7 71.°95 0.°6/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 55.05	− 9 2.3	3.009	3.838	9.3	21.3
3 22	13 50.72	− 8 39.7	2.941	3.853	6.8	21.2
4 1	13 45.18	− 8 11.7	2.899	3.869	4.1	21.0
4 11	13 38.93	− 7 40.8	2.885	3.884	1.3	20.8
4 21	13 32.50	− 7 10.0	2.901	3.900	1.9	20.9
5 1	13 26.43	− 6 42.2	2.947	3.915	4.7	21.1
5 11	13 21.23	− 6 20.2	3.020	3.931	7.3	21.3
5 21	13 17.24	− 6 5.9	3.117	3.946	9.5	21.5

411793 2012 CB_{34} 4 15.7 59.°30 0.°6/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.10	−13 21.4	1.460	2.302	16.5	21.1
3 22	13 56.45	−13 4.4	1.395	2.311	12.5	20.9
4 1	13 49.22	−12 32.1	1.351	2.321	7.8	20.6
4 11	13 40.32	−11 48.3	1.331	2.330	2.7	20.3
4 21	13 30.94	−10 58.7	1.338	2.340	2.6	20.4
5 1	13 22.35	−10 10.7	1.371	2.350	7.6	20.7
5 11	13 15.64	− 9 31.1	1.427	2.359	12.2	21.0
5 21	13 11.44	− 9 4.7	1.505	2.370	16.0	21.2

423457 2005 SO_{113} 4 15.7 187.°35 0.°3/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.98	−12 55.6	2.070	2.894	13.0	22.8
3 22	13 55.78	−12 33.8	1.986	2.893	9.8	22.6
4 1	13 48.59	−12 0.4	1.926	2.893	6.1	22.4
4 11	13 40.10	−11 18.4	1.893	2.891	2.1	22.1
4 21	13 31.16	−10 31.9	1.889	2.890	2.1	22.1
5 1	13 22.71	− 9 46.1	1.913	2.888	6.2	22.4
5 11	13 15.60	− 9 6.4	1.964	2.885	10.0	22.6
5 21	13 10.39	− 8 36.7	2.038	2.882	13.2	22.8

83763 2001 TW_{153} 4 15.7 300.°49 4.°9/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.64	−25 22.3	2.126	2.904	14.3	18.8
3 22	13 54.26	−25 38.8	2.031	2.896	11.7	18.6
4 1	13 47.79	−25 37.0	1.958	2.888	8.8	18.4
4 11	13 39.88	−25 16.3	1.909	2.880	6.1	18.2
4 21	13 31.38	−24 38.3	1.887	2.872	4.9	18.1
5 1	13 23.30	−23 46.9	1.892	2.865	6.5	18.2
5 11	13 16.53	−22 48.7	1.923	2.857	9.4	18.3
5 21	13 11.73	−21 50.2	1.978	2.850	12.4	18.5

234980 2003 AO_{16} 4 15.7 88.°51 7.°6/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.62	+14 8.5	2.363	3.200	11.2	20.3
3 22	13 54.25	+15 22.6	2.331	3.224	9.2	20.2
4 1	13 47.36	+16 26.8	2.323	3.248	7.9	20.1
4 11	13 39.63	+17 15.1	2.342	3.272	7.7	20.2
4 21	13 31.78	+17 43.4	2.387	3.295	8.8	20.3
5 1	13 24.57	+17 49.7	2.458	3.318	10.5	20.4
5 11	13 18.59	+17 34.6	2.551	3.341	12.4	20.6
5 21	13 14.24	+17 0.4	2.663	3.363	14.0	20.8

343159 2009 JD_{17} 4 15.7 238.°47 3.°4/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 51.22	+ 8 46.6	4.641	5.478	6.1	20.4
3 22	13 47.57	+ 9 19.7	4.569	5.474	4.8	20.3
4 1	13 43.16	+ 9 50.0	4.525	5.470	3.7	20.2
4 11	13 38.28	+10 15.0	4.509	5.466	3.5	20.2
4 21	13 33.27	+10 32.7	4.522	5.461	4.1	20.2
5 1	13 28.44	+10 41.6	4.564	5.457	5.4	20.3
5 11	13 24.12	+10 40.9	4.631	5.452	6.7	20.4
5 21	13 20.56	+10 30.4	4.721	5.448	8.0	20.5

426041 2011 UH 4 15.7 222.°87 5.°6/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.36	+ 8 27.3	2.583	3.424	10.2	21.3
3 22	13 54.15	+ 9 11.3	2.511	3.419	8.1	21.1
4 1	13 47.40	+ 9 50.9	2.464	3.413	6.2	21.0
4 11	13 39.70	+10 21.1	2.445	3.407	5.6	21.0
4 21	13 31.68	+10 38.0	2.455	3.401	6.7	21.0
5 1	13 24.08	+10 38.8	2.491	3.395	8.8	21.1
5 11	13 17.53	+10 22.8	2.552	3.388	11.0	21.3
5 21	13 12.48	+ 9 50.7	2.634	3.382	13.1	21.4

61642 2000 QE_{107} 4 15.7 94.°24 1.°2/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.62	−16 20.7	2.387	3.198	11.9	19.2
3 22	13 52.96	−15 57.4	2.314	3.213	9.1	19.1
4 1	13 46.70	−15 22.0	2.266	3.227	5.9	18.9
4 11	13 39.47	−14 37.0	2.245	3.241	2.5	18.7
4 21	13 31.96	−13 46.1	2.253	3.254	1.9	18.7
5 1	13 24.96	−12 54.0	2.290	3.268	5.1	18.9
5 11	13 19.10	−12 5.5	2.355	3.282	8.3	19.1
5 21	13 14.85	−11 24.7	2.443	3.295	11.1	19.3

419871 2011 AV_{27} 4 15.7 114.°18 2.°0/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.98	−18 51.0	2.217	3.013	13.2	22.8
3 22	13 56.98	−18 32.4	2.150	3.037	10.2	22.6
4 1	13 49.16	−17 59.1	2.108	3.061	6.8	22.5
4 11	13 40.25	−17 13.2	2.092	3.083	3.3	22.3
4 21	13 31.11	−16 18.6	2.106	3.105	2.4	22.2
5 1	13 22.62	−15 20.7	2.149	3.127	5.4	22.5
5 11	13 15.54	−14 25.1	2.220	3.147	8.7	22.7
5 21	13 10.32	−13 36.7	2.316	3.167	11.6	22.9

287727 2003 RX_{8} 4 15.7 166.°69 1.°6/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.88	− 7 42.9	1.947	2.783	13.2	21.3
3 22	13 57.20	− 7 4.9	1.872	2.788	9.8	21.1
4 1	13 49.46	− 6 18.6	1.821	2.793	6.0	20.9
4 11	13 40.39	− 5 28.5	1.798	2.797	2.2	20.7
4 21	13 30.92	− 4 39.9	1.804	2.800	3.4	20.7
5 1	13 22.03	− 3 58.5	1.837	2.802	7.3	21.0
5 11	13 14.60	− 3 28.7	1.897	2.804	11.1	21.2
5 21	13 9.20	− 3 13.1	1.979	2.805	14.3	21.4

366929 2005 UY_{438} 4 15.7 122.°07 2.°7/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.81	− 3 8.3	2.395	3.231	11.1	21.5
3 22	13 55.88	− 2 22.8	2.337	3.253	8.2	21.4
4 1	13 48.39	− 1 34.3	2.305	3.274	5.1	21.2
4 11	13 39.99	− 0 47.1	2.301	3.295	2.8	21.1
4 21	13 31.41	− 0 5.9	2.328	3.314	4.0	21.2
5 1	13 23.41	+ 0 25.6	2.384	3.333	6.9	21.4
5 11	13 16.63	+ 0 44.7	2.466	3.351	9.7	21.6
5 21	13 11.48	+ 0 50.6	2.571	3.368	12.2	21.8

147337 2003 BU_{51} 4 15.7 47.°14 2.°6/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.41	−17 17.5	1.447	2.278	17.3	19.7
3 22	13 56.70	−17 23.6	1.387	2.293	13.3	19.5
4 1	13 49.37	−17 11.6	1.348	2.310	8.8	19.3
4 11	13 40.39	−16 43.5	1.333	2.327	4.3	19.0
4 21	13 30.96	−16 3.7	1.344	2.344	3.1	19.0
5 1	13 22.41	−15 19.0	1.380	2.362	7.2	19.3
5 11	13 15.81	−14 36.9	1.441	2.380	11.5	19.6
5 21	13 11.76	−14 3.5	1.523	2.398	15.3	19.9

178204 2006 VK_{13} 4 15.7 115.°25 0.°1/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.53	−12 27.1	2.652	3.472	10.6	21.6
3 22	13 52.73	−12 1.5	2.580	3.485	7.9	21.4
4 1	13 46.50	−11 27.4	2.532	3.499	4.9	21.3
4 11	13 39.40	−10 47.3	2.513	3.512	1.6	21.0
4 21	13 32.07	−10 4.8	2.524	3.525	1.7	21.1
5 1	13 25.17	− 9 23.7	2.564	3.537	5.0	21.3
5 11	13 19.29	− 8 47.9	2.631	3.549	7.9	21.5
5 21	13 14.86	− 8 20.1	2.723	3.561	10.5	21.7

385274 2001 SV_{127} 4 15.7 146.°57 8.°6/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 15.62	−25 37.4	1.382	2.162	20.5	20.8
3 22	14 8.28	−27 15.2	1.307	2.170	17.0	20.6
4 1	13 57.11	−28 32.1	1.252	2.176	13.2	20.3
4 11	13 43.06	−29 21.4	1.220	2.182	9.8	20.2
4 21	13 27.79	−29 39.4	1.213	2.188	8.6	20.1
5 1	13 13.31	−29 28.6	1.232	2.193	10.5	20.2
5 11	13 1.42	−28 58.1	1.274	2.197	14.0	20.4
5 21	12 53.19	−28 19.2	1.337	2.201	17.7	20.7

139667 2001 QZ_{193} 4 15.7 163.°18 3.°8/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.36	−25 36.1	2.638	3.401	12.2	20.4
3 22	13 53.56	−25 30.2	2.548	3.405	9.9	20.2
4 1	13 47.12	−25 7.9	2.481	3.408	7.3	20.1
4 11	13 39.63	−24 29.9	2.440	3.411	4.9	19.9
4 21	13 31.80	−23 38.3	2.428	3.414	3.8	19.8
5 1	13 24.38	−22 37.2	2.444	3.417	5.2	19.9
5 11	13 18.07	−21 32.2	2.489	3.419	7.7	20.1
5 21	13 13.34	−20 28.5	2.558	3.421	10.3	20.3

438380 2006 TV_{99} 4 15.7 214.°87 1.°4/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.84	−16 21.6	2.467	3.276	11.6	21.9
3 22	13 53.22	−16 8.3	2.376	3.273	8.9	21.8
4 1	13 46.95	−15 43.2	2.310	3.269	5.8	21.6
4 11	13 39.59	−15 8.2	2.271	3.266	2.6	21.3
4 21	13 31.85	−14 26.4	2.261	3.262	2.0	21.3
5 1	13 24.48	−13 41.9	2.280	3.258	5.1	21.5
5 11	13 18.18	−12 59.5	2.326	3.253	8.3	21.7
5 21	13 13.47	−12 23.1	2.397	3.249	11.2	21.9

67226 2000 DB_{102} 4 15.7 291.°32 1.°6/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.49	−15 54.5	2.570	3.378	11.3	18.2
3 22	13 53.71	−16 3.5	2.472	3.367	8.7	18.0
4 1	13 47.28	−16 2.8	2.399	3.357	5.8	17.8
4 11	13 39.72	−15 53.3	2.353	3.346	2.7	17.6
4 21	13 31.70	−15 37.0	2.336	3.336	2.1	17.5
5 1	13 23.98	−15 16.8	2.348	3.325	5.0	17.7
5 11	13 17.27	−14 56.6	2.387	3.315	8.1	17.9
5 21	13 12.09	−14 39.8	2.451	3.305	11.0	18.0

170924 2004 YC_{21} 4 15.7 194.°83 3.°7/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.04	− 3 1.0	1.803	2.652	13.6	21.1
3 22	13 56.76	− 2 4.0	1.728	2.650	10.1	20.9
4 1	13 49.29	− 1 1.4	1.677	2.648	6.4	20.6
4 11	13 40.38	+ 0 0.6	1.652	2.645	3.7	20.5
4 21	13 30.99	+ 0 55.0	1.656	2.642	5.3	20.5
5 1	13 22.18	+ 1 35.8	1.687	2.638	9.0	20.7
5 11	13 14.88	+ 1 59.0	1.742	2.633	12.7	21.0
5 21	13 9.70	+ 2 3.1	1.818	2.628	15.9	21.2

100155 1993 TG_{25} 4 15.7 134.°40 0.°8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.31	− 9 28.1	2.088	2.918	12.7	21.0
3 22	13 56.61	− 9 1.8	2.018	2.931	9.4	20.8
4 1	13 49.02	− 8 27.1	1.973	2.943	5.7	20.6
4 11	13 40.26	− 7 47.6	1.955	2.955	1.8	20.3
4 21	13 31.18	− 7 7.7	1.967	2.966	2.6	20.4
5 1	13 22.69	− 6 32.2	2.007	2.976	6.4	20.7
5 11	13 15.58	− 6 5.2	2.073	2.986	10.0	20.9
5 21	13 10.35	− 5 49.5	2.163	2.995	13.0	21.1

45697 2000 EP_{174} 4 15.7 243.°32 0.°1/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.39	−11 52.2	2.229	3.057	12.1	19.9
3 22	13 53.80	−11 23.7	2.137	3.047	9.1	19.7
4 1	13 47.40	−10 44.6	2.069	3.037	5.6	19.4
4 11	13 39.78	− 9 58.1	2.028	3.027	1.8	19.2
4 21	13 31.69	− 9 8.2	2.017	3.017	2.2	19.2
5 1	13 23.99	− 8 20.0	2.033	3.007	6.0	19.4
5 11	13 17.44	− 7 38.6	2.077	2.996	9.6	19.6
5 21	13 12.62	− 7 7.6	2.143	2.985	12.8	19.8

382811 2003 UM_{216} 4 15.7 165.°55 1.°8/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.39	− 5 56.7	2.090	2.931	12.3	20.6
3 22	13 55.26	− 5 32.6	2.013	2.932	9.1	20.4
4 1	13 48.26	− 5 2.7	1.961	2.933	5.5	20.1
4 11	13 40.04	− 4 31.2	1.937	2.935	2.2	19.9
4 21	13 31.43	− 4 2.2	1.940	2.935	3.4	20.0
5 1	13 23.32	− 3 40.0	1.972	2.936	7.0	20.2
5 11	13 16.50	− 3 28.2	2.030	2.937	10.4	20.4
5 21	13 11.51	− 3 28.5	2.110	2.938	13.4	20.6

214933 2007 VW_{164} 4 15.7 349.°03 2.°6/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.72	−17 37.4	1.104	1.963	19.5	19.8
3 22	13 51.85	−17 28.6	1.031	1.954	15.3	19.5
4 1	13 46.90	−16 54.8	0.977	1.945	10.2	19.1
4 11	13 39.76	−15 58.2	0.943	1.939	4.8	18.8
4 21	13 31.74	−14 45.6	0.931	1.933	3.4	18.7
5 1	13 24.45	−13 27.3	0.943	1.929	8.7	19.0
5 11	13 19.30	−12 15.4	0.975	1.927	14.1	19.3
5 21	13 17.12	−11 19.2	1.026	1.926	18.9	19.5

341166 2007 QW_{13} 4 15.7 194.°93 0.°1/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.43	−12 35.1	2.268	3.093	12.0	21.7
3 22	13 53.75	−12 7.3	2.183	3.091	9.0	21.5
4 1	13 47.32	−11 29.0	2.122	3.090	5.6	21.2
4 11	13 39.75	−10 43.1	2.089	3.088	1.9	21.0
4 21	13 31.79	− 9 53.6	2.085	3.086	2.0	21.0
5 1	13 24.27	− 9 5.5	2.110	3.084	5.8	21.2
5 11	13 17.91	− 8 23.7	2.161	3.082	9.2	21.4
5 21	13 13.23	− 7 51.7	2.236	3.079	12.3	21.6

56876 2000 QN_{111} 4 15.7 354.°47 8.°5/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.15	−27 28.0	1.560	2.339	18.6	18.6
3 22	14 0.09	−28 54.1	1.478	2.336	15.7	18.3
4 1	13 51.90	−29 59.9	1.416	2.334	12.5	18.1
4 11	13 41.40	−30 40.4	1.377	2.332	9.7	18.0
4 21	13 29.84	−30 53.1	1.361	2.331	8.5	17.9
5 1	13 18.80	−30 40.2	1.370	2.331	9.8	18.0
5 11	13 9.75	−30 9.1	1.403	2.331	12.7	18.1
5 21	13 3.65	−29 28.9	1.457	2.331	15.9	18.3

170156 2003 EC_1 4 15.7 175.°08 11.°0/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 15.74	−31 19.3	1.454	2.204	21.0	20.0
3 22	14 8.64	−33 8.5	1.374	2.206	18.1	19.7
4 1	13 57.54	−34 34.1	1.313	2.208	14.9	19.5
4 11	13 43.33	−35 27.4	1.273	2.210	12.2	19.4
4 21	13 27.62	−35 43.0	1.257	2.210	11.0	19.3
5 1	13 12.55	−35 22.3	1.266	2.210	12.0	19.4
5 11	13 0.05	−34 34.9	1.298	2.210	14.7	19.5
5 21	12 51.34	−33 33.5	1.350	2.208	17.9	19.7

213787 2003 FC_{11} 4 15.7 66.°37 2.°3/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.65	− 6 27.7	2.169	3.016	11.7	20.1
3 22	13 51.61	− 5 22.2	2.104	3.027	8.6	19.9
4 1	13 45.94	− 4 9.8	2.065	3.038	5.2	19.7
4 11	13 39.28	− 2 56.0	2.053	3.050	2.4	19.6
4 21	13 32.38	− 1 46.5	2.070	3.061	3.8	19.7
5 1	13 25.98	− 0 47.0	2.115	3.073	7.0	19.9
5 11	13 20.76	− 0 1.5	2.186	3.085	10.2	20.1
5 21	13 17.15	+ 0 27.8	2.279	3.096	12.9	20.3

103192 1999 XF_{243} 4 15.7 165.°70 4.°2/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.05	−22 40.4	1.940	2.726	15.2	20.1
3 22	13 58.38	−22 54.2	1.856	2.731	12.2	19.9
4 1	13 50.37	−22 49.9	1.794	2.734	8.8	19.6
4 11	13 40.79	−22 27.2	1.757	2.737	5.5	19.5
4 21	13 30.64	−21 48.3	1.748	2.740	4.2	19.4
5 1	13 21.07	−20 58.0	1.767	2.742	6.6	19.5
5 11	13 13.07	−20 3.5	1.812	2.744	10.0	19.7
5 21	13 7.30	−19 11.5	1.880	2.745	13.3	19.9

506435 2000 UR_{67} 4 15.7 180.°70 2.°9/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.12	−24 37.3	3.284	4.043	10.1	22.2
3 22	13 52.34	−24 18.1	3.187	4.044	8.1	22.0
4 1	13 46.27	−23 45.5	3.115	4.044	5.9	21.9
4 11	13 39.39	−23 0.3	3.070	4.045	3.8	21.7
4 21	13 32.24	−22 4.9	3.055	4.044	2.9	21.7
5 1	13 25.42	−21 2.7	3.070	4.043	4.2	21.7
5 11	13 19.47	−19 58.0	3.114	4.042	6.5	21.9
5 21	13 14.77	−18 55.1	3.184	4.040	8.7	22.0

268385 2005 UV_{60} 4 15.7 26.°25 2.°1/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.61	− 6 17.2	1.431	2.290	15.9	20.3
3 22	13 56.09	− 6 0.8	1.370	2.297	11.8	20.1
4 1	13 49.04	− 5 37.0	1.330	2.305	7.2	19.9
4 11	13 40.35	− 5 10.8	1.315	2.314	2.7	19.6
4 21	13 31.19	− 4 47.9	1.325	2.323	4.0	19.7
5 1	13 22.82	− 4 33.7	1.361	2.333	8.6	20.0
5 11	13 16.30	− 4 32.2	1.421	2.343	12.9	20.3
5 21	13 12.25	− 4 45.3	1.500	2.354	16.6	20.5

503962 2004 QD_{28} 4 15.7 201.°13 4.°4/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.12	+ 3 17.4	2.564	3.403	10.3	22.6
3 22	13 55.50	+ 4 6.5	2.485	3.398	7.9	22.4
4 1	13 48.29	+ 4 55.0	2.432	3.392	5.5	22.2
4 11	13 40.06	+ 5 38.1	2.408	3.386	4.4	22.1
4 21	13 31.49	+ 6 11.4	2.413	3.379	5.6	22.2
5 1	13 23.32	+ 6 31.2	2.446	3.371	8.0	22.3
5 11	13 16.21	+ 6 35.8	2.506	3.362	10.6	22.5
5 21	13 10.64	+ 6 24.9	2.587	3.353	12.9	22.7

376479 2012 JP_{53} 4 15.7 227.°81 3.°2/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.15	−22 55.0	1.895	2.693	15.1	20.8
3 22	13 53.98	−22 19.9	1.806	2.690	12.0	20.6
4 1	13 47.66	−21 22.4	1.739	2.686	8.4	20.3
4 11	13 39.91	−20 4.6	1.696	2.683	4.8	20.1
4 21	13 31.66	−18 31.2	1.682	2.679	3.3	20.0
5 1	13 23.96	−16 49.9	1.695	2.675	6.3	20.2
5 11	13 17.73	−15 10.0	1.735	2.671	10.1	20.4
5 21	13 13.56	−13 39.4	1.798	2.667	13.6	20.6

291297 2006 BS_{138} 4 15.7 262.°08 3.°6/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.48	−30 47.3	4.679	5.389	7.9	20.4
3 22	13 49.44	−31 3.1	4.572	5.382	6.7	20.3
4 1	13 44.43	−31 8.5	4.488	5.374	5.4	20.2
4 11	13 38.79	−31 3.6	4.431	5.367	4.2	20.1
4 21	13 32.91	−30 48.8	4.402	5.359	3.6	20.0
5 1	13 27.20	−30 25.6	4.402	5.351	4.0	20.0
5 11	13 22.05	−29 56.3	4.430	5.344	5.1	20.1
5 21	13 17.78	−29 23.4	4.484	5.336	6.4	20.2

437192 Frederickolsen 4 15.7 151.°05 4.°7/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.04	−28 31.7	2.546	3.296	12.9	20.9
3 22	13 53.44	−28 25.6	2.457	3.300	10.7	20.7
4 1	13 47.11	−28 1.0	2.389	3.304	8.2	20.6
4 11	13 39.69	−27 18.0	2.347	3.308	5.8	20.4
4 21	13 31.92	−26 18.7	2.332	3.312	4.7	20.3
5 1	13 24.59	−25 7.6	2.346	3.315	5.7	20.4
5 11	13 18.43	−23 50.7	2.387	3.318	8.0	20.6
5 21	13 13.94	−22 34.1	2.454	3.321	10.5	20.7

167822 2005 CV_{11} 4 15.7 56.°39 1.°5/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.15	−14 12.5	1.311	2.152	18.1	19.9
3 22	13 58.92	−14 19.1	1.256	2.170	13.7	19.7
4 1	13 50.82	−14 9.7	1.221	2.189	8.8	19.4
4 11	13 40.93	−13 46.8	1.210	2.207	3.5	19.2
4 21	13 30.59	−13 15.3	1.224	2.226	2.8	19.2
5 1	13 21.27	−12 42.1	1.264	2.245	7.8	19.5
5 11	13 14.12	−12 14.2	1.328	2.264	12.5	19.8
5 21	13 9.77	−11 56.6	1.411	2.284	16.4	20.1

463411 2013 HF_{60} 4 15.7 324.°06 2.°5/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.41	−15 1.4	1.188	2.042	18.8	20.7
3 22	13 56.22	−15 24.2	1.103	2.023	14.7	20.4
4 1	13 49.74	−15 30.2	1.036	2.005	9.8	20.0
4 11	13 40.77	−15 19.9	0.991	1.988	4.5	19.7
4 21	13 30.59	−14 56.2	0.970	1.971	3.5	19.5
5 1	13 20.90	−14 25.6	0.971	1.956	8.9	19.8
5 11	13 13.30	−13 56.8	0.994	1.941	14.5	20.0
5 21	13 8.86	−13 37.2	1.036	1.928	19.5	20.3

182080 2000 HA_2 4 15.7 265.°35 1.°4/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.71	− 8 19.6	1.765	2.609	14.0	20.8
3 22	13 55.99	− 7 51.5	1.678	2.598	10.5	20.6
4 1	13 48.98	− 7 13.8	1.614	2.587	6.4	20.3
4 11	13 40.37	− 6 30.7	1.576	2.575	2.2	20.0
4 21	13 31.13	− 5 47.5	1.565	2.563	3.4	20.0
5 1	13 22.37	− 5 10.3	1.582	2.551	7.8	20.3
5 11	13 15.08	− 4 44.3	1.623	2.540	12.0	20.5
5 21	13 9.96	− 4 32.7	1.686	2.528	15.6	20.7

136866 1998 FB_{46} 4 15.7 55.°13 0.°2/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.71	−11 30.3	2.007	2.839	13.1	19.8
3 22	13 54.78	−11 22.3	1.941	2.853	9.8	19.7
4 1	13 47.97	−11 4.8	1.898	2.867	6.0	19.5
4 11	13 39.97	−10 40.6	1.882	2.881	2.0	19.2
4 21	13 31.66	−10 13.5	1.894	2.895	2.1	19.2
5 1	13 23.94	− 9 47.8	1.934	2.909	6.1	19.5
5 11	13 17.58	− 9 27.7	2.000	2.924	9.7	19.8
5 21	13 13.10	− 9 16.4	2.088	2.939	12.7	20.0

312185 2007 VP_{63} 4 15.7 65.°03 2.°6/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.26	− 5 51.3	1.425	2.283	16.0	20.8
3 22	13 57.28	− 5 16.5	1.367	2.294	11.9	20.6
4 1	13 49.73	− 4 34.0	1.331	2.306	7.2	20.4
4 11	13 40.58	− 3 49.9	1.320	2.318	3.0	20.1
4 21	13 31.01	− 3 10.9	1.335	2.330	4.6	20.3
5 1	13 22.31	− 2 43.3	1.375	2.342	9.1	20.5
5 11	13 15.52	− 2 31.4	1.439	2.354	13.3	20.8
5 21	13 11.23	− 2 36.7	1.522	2.366	16.9	21.1

434830 2006 SR_{35} 4 15.7 188.°97 0.°7/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.29	−10 53.1	2.493	3.323	10.9	21.9
3 22	13 52.00	−10 4.5	2.410	3.322	8.1	21.7
4 1	13 46.18	− 9 6.5	2.351	3.321	4.9	21.5
4 11	13 39.40	− 8 2.7	2.321	3.320	1.5	21.2
4 21	13 32.30	− 6 57.8	2.320	3.319	2.3	21.3
5 1	13 25.59	− 5 56.9	2.349	3.317	5.7	21.5
5 11	13 19.91	− 5 4.4	2.404	3.316	8.8	21.7
5 21	13 15.71	− 4 23.7	2.484	3.314	11.6	21.9

431007 2005 YR_{73} 4 15.7 153.°66 4.°9/21.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.10	−28 40.9	2.463	3.207	13.5	22.2
3 22	13 56.48	−28 40.9	2.377	3.217	11.1	22.0
4 1	13 49.00	−28 21.8	2.313	3.226	8.5	21.9
4 11	13 40.32	−27 43.4	2.274	3.234	6.1	21.7
4 21	13 31.28	−26 47.7	2.264	3.242	4.9	21.6
5 1	13 22.75	−25 39.2	2.282	3.248	6.0	21.7
5 11	13 15.52	−24 24.2	2.328	3.254	8.4	21.9
5 21	13 10.13	−23 9.3	2.399	3.260	10.9	22.0

32356 2000 QM_{124} 4 15.7 275.°60 2.°6/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 52.52	−25 2.8	4.543	5.294	7.6	19.6
3 22	13 48.72	−25 8.2	4.434	5.282	6.2	19.4
4 1	13 43.99	−25 4.7	4.350	5.270	4.7	19.3
4 11	13 38.67	−24 52.5	4.293	5.259	3.2	19.2
4 21	13 33.12	−24 32.7	4.266	5.247	2.6	19.1
5 1	13 27.73	−24 6.9	4.268	5.235	3.4	19.2
5 11	13 22.88	−23 37.4	4.298	5.224	4.9	19.3
5 21	13 18.88	−23 6.8	4.355	5.212	6.5	19.4

371002 2005 TH_{107} 4 15.7 165.°03 0.°8/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.22	−10 25.4	2.109	2.940	12.6	23.2
3 22	13 55.15	− 9 46.6	2.031	2.944	9.4	23.0
4 1	13 48.21	− 8 57.8	1.977	2.948	5.7	22.8
4 11	13 40.08	− 8 2.9	1.952	2.951	1.8	22.5
4 21	13 31.58	− 7 6.9	1.955	2.954	2.6	22.6
5 1	13 23.59	− 6 15.4	1.986	2.956	6.5	22.8
5 11	13 16.90	− 5 33.3	2.044	2.958	10.0	23.1
5 21	13 12.03	− 5 3.7	2.126	2.959	13.1	23.3

140700 2001 UW_{74} 4 15.7 58.°91 0.°8/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.89	−10 57.5	2.114	2.952	12.3	19.8
3 22	13 51.89	−10 4.0	2.043	2.959	9.1	19.6
4 1	13 46.19	− 8 59.9	1.995	2.967	5.5	19.4
4 11	13 39.42	− 7 49.6	1.975	2.974	1.7	19.2
4 21	13 32.35	− 6 38.9	1.983	2.982	2.6	19.2
5 1	13 25.78	− 5 33.8	2.020	2.990	6.4	19.5
5 11	13 20.42	− 4 39.4	2.082	2.998	9.8	19.7
5 21	13 16.75	− 3 59.1	2.168	3.006	12.8	19.9

365110 2009 CH_{14} 4 15.7 106.°69 4.°1/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.66	− 2 24.3	1.527	2.382	15.2	21.3
3 22	13 58.14	− 1 33.2	1.470	2.395	11.3	21.1
4 1	13 50.20	− 0 37.8	1.436	2.408	7.1	20.9
4 11	13 40.74	+ 0 14.8	1.427	2.420	4.2	20.8
4 21	13 30.92	+ 0 57.3	1.445	2.432	5.8	20.9
5 1	13 21.95	+ 1 24.1	1.489	2.444	9.7	21.1
5 11	13 14.82	+ 1 32.0	1.557	2.455	13.6	21.4
5 21	13 10.09	+ 1 20.6	1.644	2.466	16.9	21.6

419950 2011 BE_{89} 4 15.7 132.°71 2.°1/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.37	− 6 35.0	2.010	2.851	12.7	21.7
3 22	13 55.26	− 5 45.6	1.942	2.862	9.4	21.5
4 1	13 48.26	− 4 48.9	1.900	2.872	5.7	21.3
4 11	13 40.10	− 3 50.2	1.884	2.881	2.4	21.1
4 21	13 31.63	− 2 55.1	1.897	2.891	3.7	21.2
5 1	13 23.74	− 2 8.9	1.938	2.899	7.3	21.5
5 11	13 17.22	− 1 36.0	2.005	2.908	10.8	21.7
5 21	13 12.56	− 1 18.2	2.094	2.916	13.8	21.9

317504 2002 TJ_{15} 4 15.7 263.°08 0.°8/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.22	− 9 16.7	1.814	2.650	14.1	21.0
3 22	13 57.99	− 9 1.0	1.715	2.630	10.6	20.7
4 1	13 50.32	− 8 35.6	1.639	2.610	6.6	20.5
4 11	13 40.88	− 8 3.7	1.589	2.588	2.1	20.1
4 21	13 30.65	− 7 29.6	1.567	2.567	3.0	20.1
5 1	13 20.76	− 6 59.0	1.573	2.545	7.6	20.4
5 11	13 12.31	− 6 36.9	1.604	2.522	12.0	20.6
5 21	13 6.08	− 6 27.4	1.657	2.499	15.9	20.7

435960 2009 DZ_{43} 4 15.7 115.°44 3.°9/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.21	−22 53.8	2.262	3.045	13.4	21.4
3 22	13 55.22	−23 8.3	2.177	3.049	10.8	21.2
4 1	13 48.32	−23 7.1	2.116	3.053	7.8	21.0
4 11	13 40.15	−22 50.2	2.080	3.057	5.0	20.8
4 21	13 31.54	−22 19.5	2.071	3.062	3.9	20.8
5 1	13 23.38	−21 39.0	2.091	3.066	5.8	20.9
5 11	13 16.50	−20 54.1	2.138	3.070	8.7	21.1
5 21	13 11.46	−20 10.4	2.208	3.074	11.6	21.3

297500 2000 WH_{51} 4 15.7 261.°03 1.°1/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.86	−13 13.7	2.351	3.166	12.0	20.3
3 22	13 56.37	−13 28.9	2.259	3.159	9.1	20.1
4 1	13 49.01	−13 35.7	2.191	3.153	5.9	19.9
4 11	13 40.39	−13 35.2	2.150	3.146	2.4	19.6
4 21	13 31.26	−13 29.2	2.139	3.140	2.0	19.6
5 1	13 22.49	−13 20.8	2.157	3.133	5.5	19.8
5 11	13 14.87	−13 13.6	2.202	3.126	8.9	20.0
5 21	13 8.99	−13 10.5	2.272	3.120	11.9	20.2

229733 2007 GK_{53} 4 15.7 112.°22 0.°2/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.34	−13 2.2	1.863	2.696	13.9	21.0
3 22	13 54.76	−12 33.6	1.787	2.699	10.5	20.8
4 1	13 48.09	−11 52.0	1.734	2.703	6.5	20.6
4 11	13 40.08	−11 1.2	1.707	2.706	2.2	20.3
4 21	13 31.64	−10 6.1	1.708	2.709	2.3	20.3
5 1	13 23.76	− 9 12.8	1.737	2.713	6.6	20.6
5 11	13 17.33	− 8 27.3	1.791	2.716	10.5	20.8
5 21	13 12.91	− 7 53.9	1.867	2.719	13.9	21.0

431854 2008 SC_{84} 4 15.7 298.°15 5.°2/18.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.20	−21 31.4	1.754	2.552	16.1	21.0
3 22	13 59.23	−22 21.7	1.642	2.523	13.1	20.8
4 1	13 51.41	−22 57.3	1.552	2.494	9.7	20.5
4 11	13 41.35	−23 15.7	1.486	2.465	6.4	20.2
4 21	13 30.06	−23 16.0	1.446	2.435	5.3	20.1
5 1	13 18.87	−23 0.3	1.432	2.406	8.0	20.1
5 11	13 9.17	−22 34.6	1.444	2.377	12.0	20.3
5 21	13 1.99	−22 6.0	1.477	2.348	15.9	20.5

374115 2004 TO_2 4 15.7 150.°75 0.°3/16.0 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.82	−14 26.0	2.324	3.141	12.0	21.3
3 22	13 53.96	−13 38.6	2.246	3.150	9.0	21.2
4 1	13 47.42	−12 38.8	2.192	3.157	5.6	21.0
4 11	13 39.84	−11 30.2	2.166	3.164	1.9	20.7
4 21	13 31.97	−10 17.5	2.170	3.171	1.9	20.7
5 1	13 24.58	− 9 6.7	2.203	3.177	5.6	21.0
5 11	13 18.38	− 8 3.1	2.264	3.183	9.0	21.2
5 21	13 13.83	− 7 10.7	2.349	3.188	11.9	21.4

426811 2013 TH_{140} 4 15.7 160.°45 1.°7/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.41	−19 18.1	2.131	2.936	13.4	21.6
3 22	13 53.87	−18 34.1	2.047	2.940	10.4	21.4
4 1	13 47.47	−17 32.7	1.987	2.943	6.9	21.1
4 11	13 39.88	−16 16.8	1.953	2.946	3.2	20.9
4 21	13 31.92	−14 51.4	1.948	2.949	2.2	20.9
5 1	13 24.49	−13 23.4	1.973	2.952	5.7	21.1
5 11	13 18.35	−12 0.0	2.024	2.954	9.3	21.3
5 21	13 14.04	−10 46.9	2.100	2.955	12.5	21.5

415798 2001 FB_{150} 4 15.7 33.°11 11.°8/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 16.22	−27 38.0	1.197	1.981	22.9	19.7
3 22	14 9.30	−30 25.2	1.140	1.997	19.4	19.5
4 1	13 58.06	−32 49.4	1.103	2.014	15.8	19.3
4 11	13 43.57	−34 39.0	1.087	2.032	12.9	19.2
4 21	13 27.72	−35 46.6	1.095	2.051	11.8	19.2
5 1	13 12.88	−36 12.9	1.126	2.072	13.1	19.3
5 11	13 1.11	−36 7.7	1.179	2.092	15.7	19.5
5 21	12 53.55	−35 44.3	1.250	2.114	18.6	19.8

419571 2010 RL_{50} 4 15.7 260.°70 0.°1/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.18	−12 20.8	1.745	2.578	14.7	22.1
3 22	13 57.31	−12 0.0	1.647	2.559	11.2	21.8
4 1	13 49.95	−11 25.7	1.572	2.540	7.0	21.5
4 11	13 40.79	−10 40.7	1.522	2.521	2.4	21.2
4 21	13 30.83	− 9 49.8	1.499	2.500	2.6	21.1
5 1	13 21.24	− 8 59.5	1.504	2.480	7.5	21.4
5 11	13 13.16	− 8 16.5	1.534	2.459	12.0	21.6
5 21	13 7.35	− 7 46.0	1.586	2.437	16.0	21.8

108017 2001 FG_{146} 4 15.7 340.°50 5.°3/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.43	−22 18.9	1.180	2.018	19.9	18.8
3 22	13 52.46	−22 36.3	1.098	2.003	16.2	18.5
4 1	13 47.39	−22 26.6	1.035	1.990	11.7	18.2
4 11	13 40.04	−21 49.0	0.992	1.978	7.3	17.9
4 21	13 31.68	−20 46.4	0.971	1.968	5.4	17.7
5 1	13 23.93	−19 27.4	0.973	1.959	8.7	17.9
5 11	13 18.28	−18 4.2	0.997	1.951	13.6	18.1
5 21	13 15.65	−16 48.5	1.039	1.945	18.3	18.4

303714 2005 QT_2 4 15.7 319.°94 2.°4/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.03	−19 34.2	2.007	2.819	13.8	20.2
3 22	13 52.35	−19 16.2	1.914	2.809	10.9	19.9
4 1	13 46.69	−18 40.9	1.843	2.799	7.4	19.7
4 11	13 39.68	−17 50.1	1.798	2.789	3.9	19.5
4 21	13 32.14	−16 47.5	1.780	2.779	2.7	19.4
5 1	13 25.03	−15 39.1	1.789	2.770	5.9	19.5
5 11	13 19.19	−14 31.8	1.825	2.761	9.7	19.7
5 21	13 15.24	−13 31.7	1.884	2.753	13.1	19.9

321094 2008 SK_{266} 4 15.7 212.°42 0.°8/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.08	−15 6.4	1.971	2.796	13.5	21.3
3 22	13 53.78	−14 34.4	1.889	2.796	10.3	21.1
4 1	13 47.50	−13 48.0	1.829	2.795	6.5	20.8
4 11	13 39.92	−12 50.4	1.797	2.794	2.5	20.6
4 21	13 31.90	−11 46.4	1.792	2.793	2.1	20.5
5 1	13 24.39	−10 42.4	1.815	2.792	6.2	20.8
5 11	13 18.21	− 9 44.6	1.864	2.791	10.0	21.0
5 21	13 13.94	− 8 58.0	1.936	2.791	13.4	21.2

180041 2003 AY_{72} 4 15.7 28.°13 5.°3/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.19	+ 2 13.8	1.619	2.482	14.1	19.0
3 22	13 54.66	+ 2 52.4	1.570	2.497	10.6	18.8
4 1	13 48.00	+ 3 29.4	1.543	2.512	7.2	18.7
4 11	13 40.05	+ 3 58.3	1.542	2.528	5.3	18.6
4 21	13 31.83	+ 4 13.7	1.567	2.544	6.7	18.7
5 1	13 24.39	+ 4 12.0	1.617	2.562	9.8	18.9
5 11	13 18.56	+ 3 51.9	1.690	2.580	13.1	19.2
5 21	13 14.86	+ 3 14.8	1.783	2.598	16.0	19.4

504604 2008 UP_{143} 4 15.7 221.°69 0.°7/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.88	−15 4.4	2.498	3.309	11.4	23.2
3 22	13 54.05	−14 30.1	2.400	3.299	8.7	23.0
4 1	13 47.55	−13 43.7	2.326	3.288	5.6	22.8
4 11	13 39.93	−12 47.6	2.280	3.277	2.1	22.5
4 21	13 31.89	−11 45.7	2.264	3.265	1.8	22.5
5 1	13 24.19	−10 43.0	2.277	3.252	5.3	22.7
5 11	13 17.54	− 9 44.7	2.318	3.239	8.7	22.9
5 21	13 12.47	− 8 55.2	2.384	3.225	11.6	23.0

4915 Solzhenitsyn 4 15.7 97.°30 1.°6/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.16	− 6 45.4	2.500	3.334	10.8	18.3
3 22	13 53.95	− 6 5.1	2.443	3.358	7.9	18.1
4 1	13 47.29	− 5 19.6	2.411	3.382	4.7	18.0
4 11	13 39.79	− 4 32.8	2.408	3.406	1.9	17.8
4 21	13 32.13	− 3 48.8	2.435	3.429	2.9	17.9
5 1	13 25.00	− 3 11.5	2.491	3.452	5.9	18.1
5 11	13 18.98	− 2 44.0	2.574	3.475	8.8	18.4
5 21	13 14.48	− 2 27.9	2.681	3.497	11.2	18.6

13785 1998 UR_{20} 4 15.7 222.°98 0.°5/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.68	−13 35.5	2.048	2.874	13.0	18.6
3 22	13 54.16	−13 14.9	1.965	2.874	9.9	18.4
4 1	13 47.72	−12 42.3	1.907	2.873	6.2	18.2
4 11	13 40.00	−12 0.5	1.875	2.873	2.2	17.9
4 21	13 31.85	−11 13.7	1.870	2.872	2.1	17.9
5 1	13 24.18	−10 27.2	1.894	2.871	6.1	18.2
5 11	13 17.80	− 9 46.4	1.944	2.871	9.8	18.4
5 21	13 13.28	− 9 15.2	2.018	2.870	13.0	18.6

216244 2006 VW_{58} 4 15.7 337.°38 2.°7/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.45	−21 27.8	1.933	2.742	14.4	19.7
3 22	13 51.23	−20 54.7	1.842	2.734	11.4	19.5
4 1	13 46.02	−20 1.2	1.773	2.726	7.9	19.3
4 11	13 39.47	−18 49.3	1.729	2.718	4.3	19.0
4 21	13 32.44	−17 23.8	1.712	2.711	2.9	18.9
5 1	13 25.87	−15 51.7	1.723	2.705	6.0	19.1
5 11	13 20.63	−14 21.5	1.760	2.699	9.8	19.3
5 21	13 17.29	−13 0.4	1.820	2.694	13.3	19.5

210177 2006 UL_{64} 4 15.7 258.°29 0.°1/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.98	−11 26.4	2.280	3.109	11.8	21.0
3 22	13 53.47	−11 5.7	2.194	3.105	8.9	20.8
4 1	13 47.23	−10 35.5	2.132	3.100	5.5	20.5
4 11	13 39.84	− 9 58.9	2.097	3.096	1.8	20.3
4 21	13 32.05	− 9 19.6	2.091	3.092	2.1	20.3
5 1	13 24.65	− 8 41.9	2.113	3.087	5.8	20.5
5 11	13 18.39	− 8 10.4	2.162	3.083	9.2	20.7
5 21	13 13.78	− 7 48.2	2.234	3.078	12.2	20.9

272987 2006 DC_{29} 4 15.7 228.°15 2.°4/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.41	− 5 49.2	2.084	2.929	12.2	20.8
3 22	13 53.90	− 4 59.2	2.002	2.923	9.0	20.5
4 1	13 47.53	− 4 2.0	1.946	2.918	5.5	20.3
4 11	13 39.94	− 3 2.7	1.916	2.913	2.6	20.1
4 21	13 31.94	− 2 6.9	1.915	2.907	3.9	20.2
5 1	13 24.38	− 1 20.0	1.941	2.901	7.4	20.4
5 11	13 18.05	− 0 46.4	1.994	2.895	10.9	20.6
5 21	13 13.49	− 0 28.4	2.068	2.888	13.9	20.8

96780 1999 RE_{83} 4 15.7 322.°22 0.°8/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.66	−12 47.8	1.247	2.104	17.8	19.1
3 22	13 55.47	−12 46.8	1.162	2.086	13.7	18.8
4 1	13 49.21	−12 29.6	1.096	2.068	8.8	18.5
4 11	13 40.66	−11 58.9	1.052	2.051	3.2	18.1
4 21	13 31.05	−11 19.7	1.033	2.035	3.0	18.0
5 1	13 21.95	−10 39.6	1.037	2.019	8.9	18.3
5 11	13 14.81	−10 7.0	1.063	2.005	14.4	18.6
5 21	13 10.60	− 9 48.2	1.107	1.991	19.1	18.8

253786 2003 WT_{165} 4 15.7 244.°60 1.°3/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.02	− 8 57.0	1.853	2.691	13.7	21.6
3 22	13 56.97	− 8 20.4	1.759	2.676	10.3	21.3
4 1	13 49.64	− 7 32.9	1.688	2.660	6.3	21.0
4 11	13 40.69	− 6 38.8	1.644	2.643	2.2	20.7
4 21	13 31.07	− 5 43.8	1.628	2.626	3.3	20.8
5 1	13 21.86	− 4 54.3	1.640	2.609	7.7	21.0
5 11	13 14.07	− 4 16.0	1.678	2.590	11.9	21.2
5 21	13 8.40	− 3 52.7	1.737	2.572	15.6	21.4

212774 2007 TR_{118} 4 15.7 187.°79 1.°5/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.07	− 7 40.8	1.938	2.772	13.4	20.6
3 22	13 58.25	− 7 13.5	1.857	2.772	10.0	20.4
4 1	13 50.27	− 6 38.2	1.800	2.771	6.1	20.2
4 11	13 40.86	− 5 59.0	1.771	2.769	2.2	19.9
4 21	13 30.96	− 5 20.7	1.770	2.767	3.2	20.0
5 1	13 21.59	− 4 48.3	1.797	2.764	7.3	20.2
5 11	13 13.69	− 4 26.5	1.851	2.760	11.2	20.4
5 21	13 7.85	− 4 17.6	1.927	2.756	14.5	20.6

465091 2006 UV_{81} 4 15.7 203.°37 1.°2/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.87	− 8 53.5	2.059	2.892	12.8	22.6
3 22	13 56.53	− 8 19.2	1.973	2.887	9.5	22.4
4 1	13 49.19	− 7 35.9	1.912	2.883	5.8	22.2
4 11	13 40.51	− 6 47.4	1.878	2.877	2.0	21.9
4 21	13 31.35	− 5 58.6	1.873	2.871	2.9	22.0
5 1	13 22.65	− 5 14.9	1.897	2.864	6.9	22.2
5 11	13 15.28	− 4 41.2	1.947	2.857	10.6	22.4
5 21	13 9.81	− 4 20.4	2.019	2.849	13.9	22.6

52082 2002 RU_{87} 4 15.7 285.°12 0.°4/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.63	−12 33.1	1.630	2.467	15.3	19.7
3 22	13 57.15	−12 21.2	1.528	2.443	11.8	19.4
4 1	13 50.02	−11 55.6	1.449	2.418	7.5	19.1
4 11	13 40.90	−11 18.5	1.394	2.392	2.6	18.7
4 21	13 30.82	−10 34.3	1.365	2.367	2.6	18.6
5 1	13 21.04	− 9 49.6	1.364	2.341	7.8	18.9
5 11	13 12.82	− 9 11.3	1.387	2.316	12.7	19.1
5 21	13 7.02	− 8 45.1	1.430	2.290	17.0	19.3

229173 2004 TU_{145} 4 15.7 84.°16 1.°1/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.74	− 9 42.4	1.870	2.710	13.5	20.5
3 22	13 54.89	− 8 58.7	1.809	2.727	10.0	20.3
4 1	13 48.10	− 8 5.1	1.772	2.744	6.0	20.1
4 11	13 40.12	− 7 6.5	1.762	2.761	2.0	19.9
4 21	13 31.87	− 6 8.7	1.779	2.777	3.0	20.0
5 1	13 24.28	− 5 17.7	1.824	2.794	7.0	20.3
5 11	13 18.14	− 4 38.4	1.895	2.810	10.6	20.5
5 21	13 13.96	− 4 13.4	1.988	2.826	13.7	20.7

511677 2015 BG_{430} 4 15.7 279.°09 6.°5/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.91	−26 32.6	1.993	2.756	15.6	20.7
3 22	14 0.39	−27 21.6	1.872	2.725	13.1	20.4
4 1	13 52.11	−27 53.7	1.773	2.693	10.3	20.2
4 11	13 41.64	−28 5.3	1.699	2.660	7.6	19.9
4 21	13 29.96	−27 54.8	1.650	2.627	6.5	19.8
5 1	13 18.32	−27 24.1	1.629	2.594	8.1	19.8
5 11	13 8.06	−26 39.0	1.634	2.559	11.4	19.9
5 21	13 0.16	−25 47.4	1.662	2.524	14.9	20.0

268959 2007 DG_{98} 4 15.7 292.°99 5.°7/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.95	+ 1 0.1	1.682	2.545	13.7	20.4
3 22	13 53.96	+ 2 20.0	1.607	2.535	10.4	20.2
4 1	13 47.76	+ 3 43.4	1.557	2.525	7.2	20.0
4 11	13 40.08	+ 5 1.8	1.532	2.515	5.7	19.9
4 21	13 31.86	+ 6 6.9	1.533	2.505	7.5	20.0
5 1	13 24.17	+ 6 51.9	1.560	2.496	10.9	20.1
5 11	13 17.96	+ 7 12.9	1.609	2.486	14.4	20.3
5 21	13 13.86	+ 7 9.7	1.678	2.477	17.5	20.5

354732 2005 SK_{219} 4 15.7 204.°79 5.°1/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.60	+ 0 17.9	1.794	2.644	13.6	21.9
3 22	13 58.05	+ 1 32.8	1.718	2.639	10.3	21.6
4 1	13 50.22	+ 2 51.5	1.666	2.633	6.9	21.4
4 11	13 40.88	+ 4 6.1	1.641	2.626	5.1	21.3
4 21	13 31.00	+ 5 9.0	1.644	2.618	6.8	21.4
5 1	13 21.69	+ 5 53.6	1.674	2.609	10.3	21.6
5 11	13 13.90	+ 6 16.2	1.727	2.599	13.8	21.8
5 21	13 8.29	+ 6 16.4	1.801	2.589	16.9	21.9

523628 2008 RT_{26} 4 15.7 150.°90 0.°3/16.1 18 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.80	−13 33.0	2.369	3.174	12.2	24.6
3 22	13 59.07	−13 3.4	2.293	3.190	9.2	24.4
4 1	13 50.55	−12 22.8	2.242	3.205	5.7	24.2
4 11	13 40.92	−11 34.2	2.220	3.218	2.0	24.0
4 21	13 31.01	−10 41.6	2.229	3.230	1.9	24.0
5 1	13 21.67	− 9 49.9	2.269	3.241	5.6	24.3
5 11	13 13.64	− 9 3.9	2.337	3.251	9.0	24.5
5 21	13 7.43	− 8 27.3	2.430	3.259	11.8	24.7

402959 2007 TU_{406} 4 15.7 176.°31 0.°3/15.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.44	−11 27.3	1.974	2.800	13.5	22.4
3 22	13 57.75	−11 0.2	1.893	2.802	10.1	22.2
4 1	13 49.95	−10 21.9	1.836	2.805	6.3	21.9
4 11	13 40.78	− 9 36.0	1.807	2.806	2.0	21.7
4 21	13 31.14	− 8 47.2	1.806	2.806	2.4	21.7
5 1	13 22.05	− 8 1.0	1.834	2.806	6.7	22.0
5 11	13 14.40	− 7 22.8	1.888	2.806	10.5	22.2
5 21	13 8.79	− 6 56.3	1.966	2.804	13.9	22.4

211684 2003 WA_{90} 4 15.7 278.°15 1.°1/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.99	−15 24.5	1.647	2.476	15.6	20.9
3 22	13 56.68	−15 0.9	1.542	2.450	12.1	20.6
4 1	13 49.75	−14 19.4	1.459	2.424	7.8	20.3
4 11	13 40.83	−13 21.9	1.400	2.398	3.1	19.9
4 21	13 30.96	−12 13.4	1.369	2.371	2.6	19.8
5 1	13 21.40	−11 1.3	1.364	2.343	7.6	20.1
5 11	13 13.38	− 9 54.4	1.384	2.315	12.5	20.3
5 21	13 7.78	− 9 0.0	1.426	2.287	16.9	20.5

502706 2015 DO_{20} 4 15.7 240.°97 0.°4/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.33	−10 1.0	1.960	2.794	13.3	21.6
3 22	13 56.25	− 9 51.0	1.877	2.790	10.0	21.3
4 1	13 49.08	− 9 32.2	1.817	2.787	6.1	21.1
4 11	13 40.51	− 9 7.5	1.784	2.783	2.0	20.8
4 21	13 31.42	− 8 40.6	1.779	2.779	2.4	20.8
5 1	13 22.81	− 8 16.2	1.801	2.775	6.6	21.1
5 11	13 15.58	− 7 58.6	1.850	2.771	10.5	21.3
5 21	13 10.34	− 7 51.0	1.922	2.767	13.9	21.5

427923 2005 UM_{508} 4 15.7 142.°77 2.°4/13.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.83	− 4 10.9	2.320	3.156	11.4	22.8
3 22	13 56.11	− 3 30.5	2.253	3.169	8.4	22.6
4 1	13 48.73	− 2 46.0	2.211	3.181	5.2	22.5
4 11	13 40.33	− 2 1.7	2.197	3.192	2.6	22.3
4 21	13 31.67	− 1 22.1	2.213	3.203	3.8	22.4
5 1	13 23.53	− 0 51.2	2.258	3.213	6.9	22.6
5 11	13 16.62	− 0 32.2	2.330	3.222	9.9	22.8
5 21	13 11.39	− 0 26.2	2.425	3.231	12.5	23.0

370033 2000 RB_{105} 4 15.7 187.°17 3.°4/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.88	−23 15.3	2.711	3.476	11.9	22.3
3 22	13 56.98	−23 23.6	2.615	3.476	9.5	22.1
4 1	13 49.36	−23 17.9	2.542	3.475	6.9	21.9
4 11	13 40.57	−22 58.2	2.497	3.473	4.4	21.8
4 21	13 31.35	−22 26.0	2.481	3.470	3.5	21.7
5 1	13 22.50	−21 44.8	2.494	3.466	5.2	21.8
5 11	13 14.74	−20 59.2	2.537	3.462	7.8	22.0
5 21	13 8.61	−20 14.0	2.604	3.457	10.4	22.1

522569 2016 EP_{244} 4 15.7 348.°07 5.°6/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.78	−22 32.1	1.420	2.233	18.5	21.0
3 22	13 57.56	−23 10.7	1.341	2.230	15.0	20.7
4 1	13 50.36	−23 27.9	1.281	2.227	11.0	20.5
4 11	13 41.03	−23 22.1	1.244	2.225	7.1	20.2
4 21	13 30.82	−22 54.5	1.231	2.223	5.6	20.1
5 1	13 21.25	−22 10.5	1.243	2.221	8.3	20.3
5 11	13 13.66	−21 19.0	1.278	2.220	12.4	20.5
5 21	13 8.92	−20 29.2	1.333	2.220	16.3	20.7

494263 2016 QT_{53} 4 15.7 226.°37 0.°5/16.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.81	−14 5.0	2.738	3.552	10.5	22.4
3 22	13 52.38	−13 36.6	2.642	3.544	7.9	22.2
4 1	13 46.49	−12 58.1	2.572	3.536	5.0	22.0
4 11	13 39.64	−12 11.9	2.529	3.527	1.8	21.8
4 21	13 32.43	−11 21.3	2.517	3.518	1.6	21.7
5 1	13 25.54	−10 30.6	2.533	3.509	4.9	22.0
5 11	13 19.57	− 9 43.9	2.578	3.499	7.9	22.1
5 21	13 14.99	− 9 4.8	2.647	3.489	10.6	22.3

88496 2001 QT_{137} 4 15.7 244.°04 5.°1/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.91	−23 50.3	2.027	2.804	14.9	19.5
3 22	13 59.27	−24 27.3	1.926	2.792	12.2	19.3
4 1	13 51.17	−24 47.8	1.847	2.779	9.1	19.1
4 11	13 41.28	−24 50.2	1.793	2.766	6.2	18.9
4 21	13 30.55	−24 34.5	1.766	2.752	5.1	18.8
5 1	13 20.16	−24 3.9	1.767	2.738	7.0	18.8
5 11	13 11.20	−23 24.5	1.794	2.723	10.3	19.0
5 21	13 4.47	−22 42.9	1.845	2.709	13.6	19.2

245122 2004 RG_6 4 15.7 229.°25 4.°9/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.29	+ 3 15.3	2.265	3.109	11.3	21.2
3 22	13 55.94	+ 4 7.8	2.182	3.097	8.7	21.0
4 1	13 48.78	+ 5 0.1	2.124	3.085	6.1	20.9
4 11	13 40.41	+ 5 46.7	2.094	3.072	4.9	20.8
4 21	13 31.59	+ 6 22.2	2.092	3.059	6.2	20.8
5 1	13 23.17	+ 6 42.5	2.118	3.045	8.9	20.9
5 11	13 15.92	+ 6 45.3	2.169	3.031	11.8	21.1
5 21	13 10.40	+ 6 30.5	2.242	3.016	14.4	21.3

112987 2002 RK_{31} 4 15.7 292.°99 1.°7/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.23	−16 27.6	1.541	2.375	16.3	20.1
3 22	13 55.48	−16 9.5	1.443	2.353	12.7	19.8
4 1	13 49.04	−15 32.1	1.366	2.331	8.3	19.5
4 11	13 40.62	−14 37.4	1.314	2.310	3.6	19.2
4 21	13 31.28	−13 30.1	1.287	2.288	2.7	19.0
5 1	13 22.33	−12 18.0	1.285	2.267	7.7	19.3
5 11	13 15.03	−11 10.4	1.309	2.245	12.6	19.5
5 21	13 10.23	−10 14.9	1.352	2.224	17.0	19.7

357982 2006 BK_{249} 4 15.7 103.°76 1.°2/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.33	− 9 42.8	1.566	2.405	15.7	21.9
3 22	13 59.35	− 9 5.1	1.510	2.427	11.7	21.7
4 1	13 50.94	− 8 16.3	1.477	2.448	7.0	21.5
4 11	13 41.09	− 7 21.6	1.470	2.469	2.3	21.3
4 21	13 30.94	− 6 27.6	1.490	2.489	3.3	21.4
5 1	13 21.70	− 5 41.1	1.538	2.509	7.9	21.7
5 11	13 14.34	− 5 7.5	1.610	2.527	12.0	22.0
5 21	13 9.41	− 4 49.4	1.704	2.545	15.5	22.2

286553 2002 CQ_{176} 4 15.8 182.°19 2.°5/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.61	−20 37.1	2.858	3.641	10.9	21.5
3 22	13 53.69	−20 34.2	2.766	3.642	8.6	21.3
4 1	13 47.28	−20 19.1	2.698	3.642	6.0	21.1
4 11	13 39.90	−19 52.7	2.657	3.642	3.5	21.0
4 21	13 32.18	−19 17.2	2.646	3.641	2.6	20.9
5 1	13 24.80	−18 35.7	2.664	3.640	4.6	21.0
5 11	13 18.38	−17 52.7	2.710	3.639	7.3	21.2
5 21	13 13.38	−17 12.1	2.782	3.637	9.8	21.4

425274 2009 WC_{141} 4 15.8 109.°12 4.°2/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.98	− 0 8.8	1.941	2.791	12.7	21.8
3 22	13 55.77	+ 0 41.7	1.881	2.802	9.5	21.6
4 1	13 48.64	+ 1 33.7	1.845	2.813	6.2	21.5
4 11	13 40.34	+ 2 21.2	1.836	2.824	4.2	21.4
4 21	13 31.75	+ 2 58.8	1.855	2.835	5.6	21.5
5 1	13 23.78	+ 3 21.9	1.902	2.846	8.7	21.7
5 11	13 17.23	+ 3 28.2	1.973	2.856	11.8	21.9
5 21	13 12.60	+ 3 17.5	2.065	2.866	14.6	22.1

521195 2015 FY_{412} 4 15.8 15.°68 0.°1/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.33	−13 8.2	1.925	2.758	13.5	21.6
3 22	13 53.26	−12 34.2	1.846	2.759	10.2	21.4
4 1	13 47.23	−11 47.2	1.792	2.760	6.3	21.2
4 11	13 39.92	−10 51.0	1.763	2.762	2.1	20.9
4 21	13 32.18	− 9 50.8	1.762	2.763	2.2	20.9
5 1	13 24.96	− 8 52.7	1.788	2.765	6.4	21.2
5 11	13 19.09	− 8 2.6	1.841	2.767	10.3	21.4
5 21	13 15.11	− 7 24.8	1.916	2.769	13.6	21.6

386159 2007 TB_{372} 4 15.8 176.°86 1.°3/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.79	−15 50.1	2.485	3.292	11.6	22.1
3 22	13 54.72	−15 40.2	2.398	3.294	8.9	21.9
4 1	13 47.97	−15 19.3	2.336	3.295	5.8	21.7
4 11	13 40.14	−14 49.0	2.301	3.295	2.5	21.5
4 21	13 31.94	−14 12.4	2.295	3.296	1.9	21.4
5 1	13 24.13	−13 33.3	2.319	3.296	5.1	21.6
5 11	13 17.43	−12 56.2	2.370	3.296	8.3	21.8
5 21	13 12.33	−12 24.9	2.446	3.295	11.1	22.0

461930 2006 SA_{160} 4 15.8 165.°36 1.°4/14.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.67	− 9 24.5	1.973	2.809	13.1	22.3
3 22	13 55.64	− 8 32.6	1.897	2.813	9.7	22.1
4 1	13 48.63	− 7 30.3	1.846	2.817	5.9	21.8
4 11	13 40.37	− 6 22.5	1.821	2.820	2.0	21.6
4 21	13 31.71	− 5 15.2	1.826	2.823	3.1	21.7
5 1	13 23.61	− 4 14.8	1.859	2.825	7.1	21.9
5 11	13 16.88	− 3 26.6	1.918	2.827	10.8	22.2
5 21	13 12.09	− 2 53.7	1.999	2.828	14.0	22.4

63393 2001 JS_7 4 15.8 242.°99 2.°5/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.87	− 7 2.1	1.531	2.382	15.5	19.7
3 22	13 58.01	− 6 13.7	1.446	2.370	11.6	19.4
4 1	13 50.48	− 5 14.1	1.384	2.358	7.1	19.1
4 11	13 41.07	− 4 9.1	1.347	2.345	3.0	18.8
4 21	13 30.89	− 3 6.3	1.336	2.331	4.6	18.9
5 1	13 21.25	− 2 13.8	1.352	2.317	9.4	19.1
5 11	13 13.33	− 1 38.0	1.392	2.303	14.0	19.3
5 21	13 7.92	− 1 22.3	1.451	2.288	18.0	19.5

287549 2003 EO_{45} 4 15.8 40.°10 4.°0/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.75	−22 46.5	2.302	3.083	13.2	20.3
3 22	13 55.70	−23 12.3	2.215	3.085	10.7	20.1
4 1	13 48.71	−23 23.4	2.150	3.086	7.8	20.0
4 11	13 40.42	−23 19.3	2.111	3.087	5.1	19.8
4 21	13 31.63	−23 1.5	2.099	3.088	4.1	19.7
5 1	13 23.25	−22 33.1	2.116	3.089	5.9	19.8
5 11	13 16.11	−21 59.1	2.160	3.091	8.7	20.0
5 21	13 10.80	−21 24.8	2.227	3.092	11.5	20.2

302926 2003 SF_{222} 4 15.8 136.°49 0.°2/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.96	−11 57.8	1.905	2.733	13.9	21.6
3 22	13 57.36	−11 24.5	1.835	2.745	10.4	21.4
4 1	13 49.69	−10 39.4	1.789	2.757	6.4	21.2
4 11	13 40.71	− 9 46.5	1.769	2.768	2.0	20.9
4 21	13 31.37	− 8 51.0	1.779	2.779	2.4	20.9
5 1	13 22.69	− 7 58.9	1.816	2.789	6.7	21.2
5 11	13 15.51	− 7 15.7	1.880	2.799	10.5	21.5
5 21	13 10.40	− 6 45.1	1.967	2.808	13.8	21.7

181598 2006 WQ_{21} 4 15.8 302.°46 4.°4/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.86	+ 2 11.3	2.275	3.125	11.1	20.1
3 22	13 53.32	+ 2 57.8	2.202	3.122	8.4	20.0
4 1	13 47.12	+ 3 44.2	2.155	3.120	5.7	19.8
4 11	13 39.87	+ 4 25.3	2.135	3.117	4.4	19.7
4 21	13 32.27	+ 4 56.5	2.143	3.115	5.7	19.8
5 1	13 25.12	+ 5 13.8	2.178	3.112	8.3	19.9
5 11	13 19.09	+ 5 15.3	2.237	3.110	11.1	20.1
5 21	13 14.68	+ 5 0.8	2.319	3.108	13.6	20.3

99469 2002 CB_{107} 4 15.8 107.°21 2.°0/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.26	− 7 37.4	1.639	2.482	15.0	20.3
3 22	13 58.47	− 6 53.0	1.582	2.502	11.1	20.1
4 1	13 50.40	− 5 59.7	1.548	2.521	6.7	19.9
4 11	13 40.94	− 5 3.2	1.541	2.539	2.5	19.6
4 21	13 31.19	− 4 10.0	1.561	2.557	3.8	19.8
5 1	13 22.27	− 3 26.6	1.609	2.575	8.1	20.1
5 11	13 15.12	− 2 57.4	1.681	2.592	12.0	20.3
5 21	13 10.26	− 2 44.7	1.775	2.608	15.4	20.6

62907 2000 UC_{108} 4 15.8 44.°11 5.°0/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.46	− 2 39.5	1.278	2.150	16.5	18.8
3 22	13 55.47	− 1 24.5	1.225	2.159	12.3	18.5
4 1	13 48.81	− 0 3.1	1.193	2.168	7.9	18.3
4 11	13 40.47	+ 1 14.8	1.186	2.178	5.0	18.2
4 21	13 31.70	+ 2 19.4	1.203	2.188	7.0	18.3
5 1	13 23.83	+ 3 3.1	1.244	2.199	11.2	18.6
5 11	13 17.93	+ 3 21.7	1.307	2.210	15.3	18.8
5 21	13 14.60	+ 3 15.3	1.388	2.221	18.8	19.1

503921 2002 TB_{335} 4 15.8 225.°47 1.°0/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.13	− 8 17.7	2.287	3.120	11.7	22.3
3 22	13 55.09	− 7 58.8	2.200	3.114	8.7	22.1
4 1	13 48.28	− 7 33.0	2.138	3.108	5.3	21.8
4 11	13 40.28	− 7 3.3	2.103	3.102	1.8	21.6
4 21	13 31.84	− 6 33.5	2.097	3.096	2.6	21.6
5 1	13 23.80	− 6 7.7	2.120	3.089	6.2	21.9
5 11	13 16.92	− 5 49.6	2.170	3.082	9.6	22.1
5 21	13 11.71	− 5 41.6	2.242	3.075	12.6	22.2

477591 2010 JA_{102} 4 15.8 257.°76 4.°8/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.42	−28 20.5	2.516	3.268	13.0	21.2
3 22	13 53.15	−28 17.5	2.415	3.261	10.8	21.1
4 1	13 47.12	−27 55.9	2.337	3.253	8.3	20.9
4 11	13 39.91	−27 15.4	2.283	3.245	5.9	20.7
4 21	13 32.25	−26 18.0	2.257	3.237	4.8	20.6
5 1	13 24.96	−25 7.8	2.259	3.229	5.8	20.7
5 11	13 18.80	−23 50.8	2.288	3.220	8.2	20.8
5 21	13 14.31	−22 33.5	2.343	3.212	10.8	21.0

464959 2005 WC_{73} 4 15.8 73.°76 6.°8/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.13	+ 7 21.0	1.733	2.582	14.0	20.6
3 22	13 58.87	+ 8 5.9	1.691	2.605	10.9	20.4
4 1	13 50.50	+ 8 44.1	1.673	2.628	8.0	20.3
4 11	13 40.95	+ 9 9.0	1.681	2.651	6.8	20.3
4 21	13 31.24	+ 9 15.7	1.715	2.674	8.1	20.4
5 1	13 22.43	+ 9 1.9	1.776	2.697	10.7	20.6
5 11	13 15.34	+ 8 28.1	1.859	2.719	13.5	20.8
5 21	13 10.45	+ 7 36.8	1.963	2.741	16.0	21.0

160702 2000 PU_{2} 4 15.8 239.°79 4.°2/19.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.00	−22 42.5	1.741	2.537	16.3	20.4
3 22	13 58.09	−22 45.9	1.645	2.525	13.1	20.2
4 1	13 50.55	−22 28.3	1.569	2.513	9.5	19.9
4 11	13 41.13	−21 49.3	1.517	2.500	5.8	19.7
4 21	13 30.88	−20 51.4	1.492	2.487	4.3	19.5
5 1	13 21.10	−19 40.6	1.494	2.473	7.2	19.7
5 11	13 12.95	−18 25.6	1.522	2.458	11.2	19.9
5 21	13 7.24	−17 15.2	1.572	2.443	15.1	20.1

374985 2007 EO_{71} 4 15.8 119.°52 9.°2/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 21.93	−23 16.9	1.167	1.961	22.8	20.9
3 22	14 13.73	−25 27.7	1.100	1.973	18.8	20.6
4 1	14 0.96	−27 19.5	1.053	1.985	14.4	20.4
4 11	13 44.70	−28 42.3	1.028	1.996	10.5	20.2
4 21	13 26.96	−29 29.4	1.029	2.006	9.3	20.2
5 1	13 10.26	−29 42.0	1.054	2.016	11.8	20.4
5 11	12 56.78	−29 30.1	1.102	2.025	15.7	20.6
5 21	12 47.70	−29 6.7	1.170	2.034	19.6	20.9

45919 2000 YZ_{103} 4 15.8 355.°36 8.°3/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.02	+ 5 39.0	1.382	2.254	15.5	18.2
3 22	13 55.09	+ 7 11.2	1.325	2.252	12.1	18.0
4 1	13 48.59	+ 8 41.1	1.290	2.251	9.2	17.8
4 11	13 40.43	+ 9 57.4	1.278	2.250	8.4	17.8
4 21	13 31.75	+10 50.6	1.291	2.249	10.2	17.9
5 1	13 23.84	+11 14.6	1.327	2.249	13.5	18.1
5 11	13 17.75	+11 7.6	1.383	2.249	16.9	18.3
5 21	13 14.12	+10 32.5	1.457	2.250	20.0	18.5

346223 2007 YJ_{60} 4 15.8 114.°38 1.°2/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.85	−14 52.6	2.499	3.307	11.5	21.2
3 22	13 55.42	−14 53.0	2.423	3.320	8.8	21.0
4 1	13 48.36	−14 43.5	2.372	3.332	5.7	20.8
4 11	13 40.29	−14 25.9	2.349	3.344	2.4	20.6
4 21	13 31.91	−14 2.7	2.356	3.356	1.9	20.6
5 1	13 23.98	−13 37.3	2.391	3.368	5.0	20.9
5 11	13 17.20	−13 13.6	2.455	3.380	8.1	21.1
5 21	13 12.02	−12 54.9	2.543	3.391	10.8	21.3

514108 2015 BJ_{541} 4 15.8 126.°01 3.°9/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.35	+ 1 1.7	2.251	3.096	11.4	21.1
3 22	13 55.13	+ 1 37.8	2.183	3.102	8.5	20.9
4 1	13 48.22	+ 2 14.1	2.141	3.108	5.7	20.8
4 11	13 40.25	+ 2 45.7	2.127	3.113	3.9	20.7
4 21	13 31.99	+ 3 8.5	2.141	3.119	5.1	20.7
5 1	13 24.23	+ 3 19.0	2.182	3.124	7.9	20.9
5 11	13 17.67	+ 3 15.3	2.250	3.129	10.7	21.1
5 21	13 12.80	+ 2 57.3	2.339	3.134	13.3	21.3

297714 2001 VY_{123} 4 15.8 150.°70 2.°8/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.77	−18 16.0	1.537	2.357	17.0	20.7
3 22	13 58.68	−18 16.8	1.460	2.360	13.3	20.5
4 1	13 50.87	−17 58.8	1.405	2.363	8.9	20.2
4 11	13 41.22	−17 23.3	1.374	2.366	4.5	20.0
4 21	13 30.92	−16 34.3	1.369	2.369	3.2	19.9
5 1	13 21.32	−15 38.6	1.390	2.371	7.3	20.1
5 11	13 13.60	−14 44.6	1.436	2.373	11.8	20.4
5 21	13 8.47	−13 59.2	1.504	2.375	15.7	20.6

293761 2007 RX_{91} 4 15.8 129.°71 1.°5/16.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.37	−15 1.5	1.613	2.439	16.0	20.9
3 22	13 58.92	−15 0.3	1.540	2.446	12.3	20.7
4 1	13 50.92	−14 44.2	1.488	2.452	7.9	20.5
4 11	13 41.21	−14 15.3	1.462	2.458	3.3	20.2
4 21	13 30.95	−13 37.6	1.463	2.464	2.6	20.2
5 1	13 21.40	−12 57.3	1.491	2.470	7.1	20.5
5 11	13 13.63	−12 21.0	1.544	2.475	11.4	20.7
5 21	13 8.33	−11 54.0	1.619	2.481	15.2	21.0

376837 2001 QA_{114} 4 15.8 109.°95 10.°5/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.17	+25 29.5	2.439	3.235	12.2	21.8
3 22	13 57.74	+27 16.2	2.427	3.265	11.0	21.8
4 1	13 49.67	+28 44.5	2.440	3.293	10.5	21.8
4 11	13 40.69	+29 48.0	2.478	3.321	10.8	21.9
4 21	13 31.63	+30 23.0	2.539	3.348	11.7	22.0
5 1	13 23.30	+30 29.0	2.622	3.375	12.9	22.1
5 11	13 16.37	+30 8.3	2.724	3.400	14.2	22.2
5 21	13 11.24	+29 24.9	2.842	3.424	15.3	22.4

279768 1999 RH_{104} 4 15.8 290.°90 0.°8/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.63	−14 59.5	1.376	2.215	17.5	22.4
3 22	13 58.73	−14 31.4	1.260	2.175	13.7	22.1
4 1	13 51.55	−13 41.0	1.166	2.134	9.0	21.7
4 11	13 41.68	−12 29.4	1.094	2.092	3.4	21.2
4 21	13 30.22	−11 2.0	1.048	2.050	3.1	21.1
5 1	13 18.75	− 9 28.3	1.027	2.006	9.5	21.3
5 11	13 8.97	− 8 0.9	1.029	1.962	15.6	21.5
5 21	13 2.12	− 6 50.2	1.050	1.918	21.2	21.7

86236 1999 TJ_{115} 4 15.8 233.°78 1.°6/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.45	−17 45.3	2.807	3.605	10.7	19.9
3 22	13 52.91	−17 30.8	2.706	3.595	8.3	19.7
4 1	13 46.88	−17 4.8	2.630	3.585	5.5	19.5
4 11	13 39.85	−16 28.8	2.582	3.574	2.7	19.3
4 21	13 32.44	−15 45.6	2.563	3.563	1.9	19.2
5 1	13 25.33	−14 58.7	2.573	3.551	4.6	19.4
5 11	13 19.13	−14 12.4	2.612	3.539	7.5	19.6
5 21	13 14.32	−13 30.8	2.676	3.527	10.2	19.7

308203 2005 EC_{46} 4 15.8 76.°07 1.°0/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.82	−14 54.7	1.460	2.295	16.9	20.6
3 22	13 57.77	−14 33.5	1.401	2.313	12.8	20.4
4 1	13 50.16	−13 55.5	1.364	2.331	8.1	20.2
4 11	13 40.94	−13 4.4	1.351	2.348	3.1	19.9
4 21	13 31.34	−12 6.4	1.364	2.366	2.5	19.9
5 1	13 22.63	−11 9.3	1.404	2.383	7.4	20.3
5 11	13 15.85	−10 20.4	1.468	2.401	11.8	20.6
5 21	13 11.59	− 9 44.8	1.553	2.418	15.6	20.8

165330 2000 UM_{105} 4 15.8 257.°08 5.°0/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.16	− 0 39.2	1.617	2.473	14.5	20.0
3 22	13 57.34	+ 0 21.7	1.534	2.459	10.9	19.8
4 1	13 50.03	+ 1 27.3	1.474	2.444	7.3	19.5
4 11	13 40.98	+ 2 30.3	1.440	2.429	5.0	19.3
4 21	13 31.21	+ 3 22.6	1.433	2.414	6.8	19.4
5 1	13 21.96	+ 3 57.3	1.452	2.398	10.6	19.6
5 11	13 14.31	+ 4 10.3	1.493	2.382	14.6	19.8
5 21	13 9.00	+ 4 0.6	1.554	2.366	18.1	20.0

431809 2008 RS_{23} 4 15.8 159.°23 2.°6/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.23	−21 46.2	2.704	3.481	11.6	22.1
3 22	13 54.94	−21 30.6	2.617	3.489	9.2	21.9
4 1	13 48.08	−21 1.0	2.555	3.496	6.4	21.7
4 11	13 40.24	−20 18.4	2.520	3.503	3.7	21.6
4 21	13 32.08	−19 25.6	2.514	3.509	2.7	21.5
5 1	13 24.34	−18 26.9	2.538	3.514	4.8	21.7
5 11	13 17.69	−17 27.2	2.591	3.519	7.6	21.8
5 21	13 12.57	−16 31.4	2.669	3.523	10.2	22.0

225791 2001 UV_{138} 4 15.8 147.°24 0.°7/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.84	−10 1.6	2.036	2.867	13.0	21.9
3 22	13 56.48	− 9 35.0	1.961	2.874	9.7	21.7
4 1	13 49.17	− 8 59.1	1.911	2.881	5.9	21.5
4 11	13 40.62	− 8 17.6	1.888	2.887	1.9	21.2
4 21	13 31.69	− 7 35.0	1.894	2.893	2.5	21.3
5 1	13 23.30	− 6 56.3	1.928	2.899	6.5	21.5
5 11	13 16.29	− 6 26.2	1.988	2.904	10.2	21.8
5 21	13 11.19	− 6 7.5	2.072	2.909	13.3	22.0

262402 2006 UX_{13} 4 15.8 265.°17 1.°0/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.98	−10 10.6	1.771	2.611	14.2	21.8
3 22	13 56.39	− 9 34.3	1.674	2.592	10.7	21.6
4 1	13 49.44	− 8 45.5	1.601	2.572	6.6	21.3
4 11	13 40.80	− 7 48.2	1.553	2.553	2.2	20.9
4 21	13 31.41	− 6 48.2	1.533	2.532	3.1	21.0
5 1	13 22.41	− 5 52.4	1.540	2.512	7.8	21.2
5 11	13 14.84	− 5 7.4	1.573	2.491	12.2	21.4
5 21	13 9.46	− 4 37.6	1.626	2.470	16.0	21.6

192541 1998 SY_{124} 4 15.8 189.°54 1.°7/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.70	− 9 8.1	1.728	2.568	14.5	20.8
3 22	13 57.51	− 8 12.2	1.649	2.567	10.8	20.5
4 1	13 49.99	− 7 4.2	1.594	2.566	6.6	20.3
4 11	13 40.93	− 5 49.7	1.565	2.564	2.4	20.0
4 21	13 31.35	− 4 35.8	1.565	2.561	3.7	20.1
5 1	13 22.36	− 3 30.2	1.592	2.558	8.1	20.3
5 11	13 14.96	− 2 39.2	1.644	2.554	12.3	20.6
5 21	13 9.79	− 2 6.3	1.718	2.549	15.8	20.8

162534 2000 QR_{157} 4 15.8 186.°27 0.°1/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.28	−13 26.8	2.021	2.842	13.4	20.9
3 22	13 56.91	−12 40.1	1.936	2.842	10.1	20.7
4 1	13 49.51	−11 39.6	1.875	2.842	6.3	20.4
4 11	13 40.76	−10 29.0	1.842	2.840	2.1	20.1
4 21	13 31.55	− 9 14.1	1.837	2.838	2.3	20.1
5 1	13 22.87	− 8 1.5	1.862	2.835	6.5	20.4
5 11	13 15.57	− 6 57.7	1.913	2.831	10.4	20.6
5 21	13 10.23	− 6 7.4	1.988	2.826	13.8	20.8

207127 2005 AK_{69} 4 15.8 58.°47 0.°2/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.49	−12 22.4	1.353	2.200	17.3	20.2
3 22	13 57.73	−12 6.0	1.294	2.213	13.0	19.9
4 1	13 50.25	−11 34.8	1.255	2.227	8.1	19.7
4 11	13 41.02	−10 52.9	1.241	2.240	2.7	19.4
4 21	13 31.32	−10 6.6	1.253	2.254	2.8	19.4
5 1	13 22.53	− 9 23.3	1.289	2.268	8.0	19.8
5 11	13 15.76	− 8 49.7	1.350	2.283	12.7	20.1
5 21	13 11.64	− 8 30.2	1.431	2.297	16.6	20.4

360710 2004 TH_{79} 4 15.8 257.°72 1.°7/16.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.52	−15 8.4	1.699	2.519	15.6	21.3
3 22	14 0.10	−15 13.6	1.596	2.499	12.1	21.0
4 1	13 51.93	−15 4.7	1.515	2.478	8.0	20.7
4 11	13 41.69	−14 42.3	1.460	2.456	3.5	20.4
4 21	13 30.44	−14 9.5	1.432	2.433	2.7	20.3
5 1	13 19.50	−13 31.5	1.432	2.410	7.4	20.5
5 11	13 10.15	−12 55.1	1.456	2.386	12.1	20.7
5 21	13 3.29	−12 26.6	1.503	2.362	16.3	20.9

240692 2005 EC_{243} 4 15.8 199.°67 0.°8/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.32	− 9 20.3	2.252	3.084	11.8	21.2
3 22	13 54.52	− 8 54.1	2.169	3.083	8.8	21.0
4 1	13 47.96	− 8 19.7	2.111	3.081	5.4	20.8
4 11	13 40.24	− 7 40.6	2.080	3.079	1.7	20.6
4 21	13 32.13	− 7 0.8	2.078	3.077	2.5	20.6
5 1	13 24.45	− 6 24.9	2.104	3.074	6.1	20.8
5 11	13 17.93	− 5 57.0	2.157	3.071	9.6	21.0
5 21	13 13.10	− 5 39.7	2.233	3.069	12.5	21.2

136728 1995 UW_{52} 4 15.8 108.°50 1.°8/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.09	−16 29.1	2.393	3.197	12.1	20.1
3 22	13 55.75	−16 37.9	2.314	3.206	9.3	20.0
4 1	13 48.67	−16 35.7	2.259	3.215	6.2	19.8
4 11	13 40.48	−16 23.7	2.231	3.223	3.0	19.6
4 21	13 31.91	−16 4.2	2.232	3.232	2.2	19.5
5 1	13 23.79	−15 40.6	2.262	3.240	5.2	19.8
5 11	13 16.85	−15 17.0	2.320	3.248	8.3	20.0
5 21	13 11.60	−14 57.2	2.402	3.256	11.1	20.2

425205 2009 VA_{19} 4 15.8 187.°02 0.°7/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.41	−14 5.4	2.313	3.127	12.2	22.5
3 22	13 56.06	−13 46.4	2.226	3.127	9.3	22.3
4 1	13 48.91	−13 16.2	2.163	3.126	5.9	22.1
4 11	13 40.57	−12 37.3	2.127	3.124	2.2	21.9
4 21	13 31.80	−11 53.1	2.121	3.122	1.9	21.8
5 1	13 23.46	−11 8.2	2.144	3.120	5.6	22.1
5 11	13 16.32	−10 27.6	2.194	3.116	9.0	22.3
5 21	13 10.91	− 9 55.1	2.269	3.113	12.1	22.5

187982 2001 QR_{333} 4 15.8 157.°16 6.°5/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.45	+ 7 59.5	2.198	3.042	11.6	20.7
3 22	13 55.99	+ 9 12.2	2.140	3.049	9.2	20.6
4 1	13 48.78	+10 20.5	2.108	3.056	7.1	20.5
4 11	13 40.49	+11 17.6	2.102	3.062	6.5	20.4
4 21	13 31.92	+11 58.1	2.125	3.067	7.8	20.5
5 1	13 23.91	+12 18.4	2.173	3.072	10.1	20.7
5 11	13 17.18	+12 17.5	2.246	3.077	12.5	20.8
5 21	13 12.20	+11 56.7	2.338	3.080	14.7	21.0

139534 2001 QS_{18} 4 15.8 201.°68 1.°5/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.78	− 8 10.4	2.148	2.983	12.2	20.7
3 22	13 55.69	− 7 27.2	2.063	2.979	9.1	20.5
4 1	13 48.72	− 6 35.3	2.003	2.974	5.5	20.2
4 11	13 40.51	− 5 39.1	1.971	2.969	2.0	20.0
4 21	13 31.87	− 4 43.7	1.968	2.964	3.1	20.0
5 1	13 23.66	− 3 54.6	1.993	2.958	6.9	20.3
5 11	13 16.70	− 3 16.3	2.045	2.951	10.4	20.5
5 21	13 11.53	− 2 51.7	2.119	2.944	13.5	20.7

264222 2010 RJ_{97} 4 15.8 170.°84 0.°6/15.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.93	−11 12.9	2.058	2.886	13.0	22.1
3 22	13 56.57	−10 33.2	1.979	2.890	9.7	21.9
4 1	13 49.26	− 9 42.4	1.924	2.893	5.9	21.7
4 11	13 40.69	− 8 44.5	1.897	2.896	1.9	21.4
4 21	13 31.71	− 7 44.6	1.898	2.898	2.5	21.5
5 1	13 23.26	− 6 48.7	1.928	2.899	6.5	21.7
5 11	13 16.16	− 6 2.0	1.985	2.900	10.2	22.0
5 21	13 10.96	− 5 28.1	2.065	2.900	13.4	22.2

34385 2000 RE_{62} 4 15.8 236.°05 5.°2/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.86	+ 4 19.4	2.254	3.097	11.4	18.8
3 22	13 56.44	+ 5 10.0	2.170	3.084	8.8	18.6
4 1	13 49.18	+ 5 59.6	2.111	3.070	6.3	18.4
4 11	13 40.67	+ 6 42.4	2.080	3.056	5.2	18.3
4 21	13 31.70	+ 7 13.2	2.077	3.041	6.5	18.4
5 1	13 23.12	+ 7 28.1	2.102	3.026	9.1	18.5
5 11	13 15.73	+ 7 25.0	2.151	3.010	12.0	18.7
5 21	13 10.06	+ 7 4.1	2.222	2.993	14.6	18.8

145448 2005 RJ_{26} 4 15.8 316.°19 1.°3/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.00	− 9 1.0	2.080	2.923	12.3	19.6
3 22	13 52.23	− 8 16.7	1.995	2.914	9.1	19.3
4 1	13 46.64	− 7 22.6	1.933	2.906	5.5	19.1
4 11	13 39.84	− 6 23.4	1.899	2.898	1.9	18.8
4 21	13 32.61	− 5 24.1	1.892	2.889	3.0	18.9
5 1	13 25.78	− 4 30.6	1.913	2.882	6.8	19.1
5 11	13 20.14	− 3 48.0	1.960	2.874	10.4	19.3
5 21	13 16.21	− 3 19.4	2.029	2.867	13.5	19.5

386472 2008 YT_{94} 4 15.8 173.°97 1.°4/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.78	− 7 42.3	2.307	3.142	11.5	21.7
3 22	13 54.05	− 7 5.8	2.228	3.144	8.5	21.5
4 1	13 47.64	− 6 22.2	2.174	3.145	5.1	21.3
4 11	13 40.15	− 5 35.4	2.147	3.146	1.9	21.1
4 21	13 32.32	− 4 49.8	2.150	3.146	2.9	21.2
5 1	13 24.92	− 4 10.1	2.182	3.147	6.3	21.4
5 11	13 18.66	− 3 40.1	2.239	3.147	9.6	21.6
5 21	13 14.02	− 3 22.2	2.320	3.147	12.4	21.8

248393 2005 SR_{37} 4 15.8 256.°88 0.°2/16.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.72	−12 7.7	2.530	3.350	11.0	21.1
3 22	13 54.01	−11 54.8	2.432	3.337	8.4	20.9
4 1	13 47.65	−11 33.1	2.358	3.324	5.2	20.7
4 11	13 40.18	−11 4.8	2.312	3.311	1.8	20.4
4 21	13 32.26	−10 33.0	2.296	3.297	1.8	20.4
5 1	13 24.64	−10 1.4	2.308	3.283	5.3	20.6
5 11	13 18.01	− 9 33.9	2.348	3.269	8.6	20.8
5 21	13 12.91	− 9 13.7	2.413	3.255	11.5	21.0

303803 2005 SP_{44} 4 15.8 222.°09 0.°8/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.26	−15 0.9	2.769	3.579	10.5	21.6
3 22	13 52.77	−14 39.1	2.674	3.572	8.0	21.5
4 1	13 46.81	−14 7.2	2.603	3.565	5.1	21.3
4 11	13 39.88	−13 27.1	2.561	3.557	2.1	21.0
4 21	13 32.60	−12 42.0	2.548	3.549	1.6	21.0
5 1	13 25.64	−11 55.6	2.564	3.541	4.7	21.2
5 11	13 19.59	−11 12.2	2.609	3.533	7.7	21.4
5 21	13 14.93	−10 35.3	2.678	3.524	10.4	21.5

146857 2002 AD_{127} 4 15.8 150.°68 0.°7/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.40	− 9 36.1	2.697	3.524	10.2	21.5
3 22	13 52.78	− 9 1.7	2.619	3.530	7.6	21.4
4 1	13 46.76	− 8 20.2	2.566	3.536	4.6	21.2
4 11	13 39.85	− 7 34.8	2.542	3.541	1.5	21.0
4 21	13 32.67	− 6 49.0	2.548	3.546	2.1	21.0
5 1	13 25.88	− 6 7.0	2.583	3.551	5.3	21.2
5 11	13 20.05	− 5 32.2	2.645	3.556	8.2	21.4
5 21	13 15.61	− 5 7.0	2.732	3.560	10.7	21.6

33668 1999 JO_{97} 4 15.8 166.°56 5.°4/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.33	+ 4 56.1	2.342	3.186	11.0	18.9
3 22	13 55.10	+ 6 6.3	2.278	3.191	8.5	18.7
4 1	13 48.22	+ 7 14.8	2.240	3.196	6.2	18.6
4 11	13 40.33	+ 8 15.4	2.230	3.200	5.4	18.5
4 21	13 32.16	+ 9 3.0	2.248	3.203	6.7	18.6
5 1	13 24.46	+ 9 33.4	2.293	3.206	9.0	18.7
5 11	13 17.94	+ 9 45.0	2.363	3.208	11.5	18.9
5 21	13 13.04	+ 9 38.2	2.454	3.209	13.8	19.1

100702 1998 AK_1 4 15.8 201.°98 1.°7/14.3 17

3 12	14 3.29	− 7 56.7	2.043	2.876	12.8	21.1
3 22	13 57.69	− 7 13.5	1.957	2.871	9.6	20.9
4 1	13 50.02	− 6 21.3	1.895	2.865	5.9	20.6
4 11	13 40.98	− 5 24.6	1.861	2.859	2.2	20.4
4 21	13 31.43	− 4 28.7	1.856	2.852	3.3	20.4
5 1	13 22.35	− 3 39.4	1.879	2.843	7.3	20.7
5 11	13 14.61	− 3 1.8	1.929	2.834	11.0	20.9
5 21	13 8.83	− 2 38.7	2.002	2.824	14.3	21.1

272675 2005 XV_5 4 15.8 79.°51 6.°2/11.1 17

3 12	14 3.78	+ 5 18.7	1.752	2.603	13.8	20.3
3 22	13 58.00	+ 6 4.0	1.701	2.619	10.6	20.1
4 1	13 50.11	+ 6 45.1	1.675	2.635	7.6	20.0
4 11	13 40.95	+ 7 15.3	1.674	2.650	6.2	19.9
4 21	13 31.54	+ 7 29.4	1.700	2.666	7.5	20.0
5 1	13 22.93	+ 7 24.2	1.752	2.681	10.3	20.2
5 11	13 15.95	+ 6 59.4	1.828	2.697	13.3	20.4
5 21	13 11.12	+ 6 16.7	1.924	2.712	16.0	20.7

39036 2000 UQ_{78} 4 15.8 292.°28 2.°9/18.1 17 R

3 12	13 59.12	−19 42.5	1.460	2.286	17.4	19.2
3 22	13 55.56	−19 26.2	1.367	2.270	13.8	18.9
4 1	13 49.20	−18 46.5	1.295	2.254	9.4	18.7
4 11	13 40.82	−17 44.6	1.246	2.238	4.8	18.3
4 21	13 31.54	−16 25.3	1.222	2.223	3.4	18.2
5 1	13 22.75	−14 57.1	1.224	2.207	7.7	18.4
5 11	13 15.75	−13 31.0	1.250	2.192	12.6	18.6
5 21	13 11.38	−12 16.4	1.297	2.177	17.1	18.9

272871 2006 BE_{81} 4 15.8 200.°44 0.°6/15.3 17

3 12	14 0.66	− 9 54.7	1.946	2.781	13.3	20.9
3 22	13 55.79	− 9 36.2	1.866	2.781	9.9	20.7
4 1	13 48.87	− 9 8.4	1.810	2.780	6.1	20.5
4 11	13 40.60	− 8 34.8	1.780	2.780	2.0	20.2
4 21	13 31.86	− 7 59.6	1.779	2.779	2.5	20.2
5 1	13 23.62	− 7 27.7	1.805	2.778	6.7	20.5
5 11	13 16.75	− 7 3.9	1.857	2.777	10.5	20.7
5 21	13 11.85	− 6 51.3	1.932	2.776	13.8	20.9

328339 2008 KU_1 4 15.8 263.°76 1.°4/14.6 17

3 12	13 58.57	−10 0.0	1.745	2.590	14.1	21.2
3 22	13 54.44	− 9 7.1	1.665	2.586	10.5	20.9
4 1	13 48.13	− 8 1.4	1.609	2.582	6.4	20.7
4 11	13 40.37	− 6 48.4	1.578	2.578	2.2	20.4
4 21	13 32.10	− 5 34.8	1.575	2.573	3.3	20.5
5 1	13 24.36	− 4 28.3	1.599	2.569	7.7	20.7
5 11	13 18.09	− 3 35.3	1.648	2.565	11.8	20.9
5 21	13 13.90	− 2 59.5	1.718	2.561	15.4	21.2

501184 2013 TT_{108} 4 15.8 192.°86 0.°2/16.1 17

3 12	14 0.64	−13 11.3	2.420	3.236	11.6	23.3
3 22	13 55.43	−12 42.6	2.331	3.234	8.8	23.1
4 1	13 48.51	−12 3.3	2.266	3.231	5.5	22.9
4 11	13 40.47	−11 16.1	2.230	3.228	1.9	22.6
4 21	13 32.02	−10 24.8	2.223	3.224	1.9	22.6
5 1	13 23.98	− 9 34.2	2.245	3.219	5.5	22.8
5 11	13 17.06	− 8 49.0	2.296	3.214	8.9	23.0
5 21	13 11.77	− 8 12.9	2.370	3.208	11.8	23.2

425501 2010 GA_{125} 4 15.8 241.°83 5.°9/ 9.8 18

3 12	13 59.27	+ 6 37.7	2.230	3.078	11.3	20.9
3 22	13 54.46	+ 7 33.2	2.160	3.074	8.8	20.7
4 1	13 47.91	+ 8 25.5	2.115	3.069	6.7	20.6
4 11	13 40.26	+ 9 8.5	2.097	3.065	5.9	20.5
4 21	13 32.26	+ 9 37.4	2.107	3.061	7.1	20.6
5 1	13 24.71	+ 9 48.4	2.143	3.056	9.5	20.7
5 11	13 18.35	+ 9 40.3	2.203	3.052	12.1	20.9
5 21	13 13.67	+ 9 13.9	2.283	3.047	14.5	21.0

379367 2009 WT_{212} 4 15.8 205.°95 2.°9/18.4 17

3 12	14 0.65	−19 59.0	1.996	2.798	14.3	21.8
3 22	13 55.88	−19 55.1	1.908	2.796	11.2	21.6
4 1	13 48.99	−19 34.6	1.843	2.794	7.8	21.4
4 11	13 40.66	−18 58.6	1.804	2.792	4.3	21.2
4 21	13 31.80	−18 10.1	1.792	2.789	3.1	21.1
5 1	13 23.42	−17 14.5	1.807	2.787	6.1	21.3
5 11	13 16.44	−16 18.3	1.850	2.784	9.7	21.5
5 21	13 11.47	−15 27.6	1.915	2.781	13.1	21.7

264283 1998 FG_{137} 4 15.8 42.°62 4.°1/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.14	−17 55.4	1.469	2.287	17.7	19.7
3 22	14 1.23	−18 52.9	1.409	2.305	13.9	19.5
4 1	13 52.46	−19 34.6	1.369	2.323	9.6	19.2
4 11	13 41.82	−19 59.1	1.354	2.341	5.5	19.1
4 21	13 30.61	−20 7.6	1.365	2.360	4.3	19.0
5 1	13 20.27	−20 3.8	1.402	2.380	7.6	19.3
5 11	13 12.02	−19 54.3	1.463	2.400	11.6	19.5
5 21	13 6.56	−19 45.0	1.546	2.420	15.2	19.8

381868 2010 AV_8 4 15.8 132.°91 2.°6/13.3 17

3 12	13 59.08	− 5 11.2	2.022	2.868	12.4	21.3
3 22	13 54.44	− 4 21.2	1.951	2.872	9.2	21.1
4 1	13 47.95	− 3 25.1	1.904	2.877	5.6	20.8
4 11	13 40.28	− 2 28.0	1.885	2.881	2.8	20.7
4 21	13 32.26	− 1 35.6	1.894	2.885	4.1	20.8
5 1	13 24.76	− 0 53.1	1.930	2.889	7.5	21.0
5 11	13 18.55	− 0 24.6	1.992	2.893	10.9	21.2
5 21	13 14.16	− 0 11.8	2.076	2.896	13.9	21.4

445534 2011 CZ_{86} 4 15.8 103.°22 1.°8/13.1 18

3 12	13 53.77	− 4 44.7	3.342	4.179	8.2	21.5
3 22	13 49.83	− 3 59.9	3.274	4.191	6.0	21.4
4 1	13 44.83	− 3 11.9	3.232	4.203	3.7	21.2
4 11	13 39.21	− 2 23.8	3.220	4.215	1.9	21.1
4 21	13 33.42	− 1 38.8	3.238	4.227	2.7	21.2
5 1	13 27.94	− 1 0.0	3.285	4.239	5.0	21.3
5 11	13 23.20	− 0 29.8	3.359	4.250	7.2	21.5
5 21	13 19.51	− 0 9.5	3.458	4.262	9.2	21.7

413237 2003 SQ_{160} 4 15.8 198.°39 2.°2/13.7 17

3 12	14 3.09	− 5 57.9	2.118	2.953	12.4	22.3
3 22	13 57.45	− 5 13.6	2.034	2.950	9.2	22.1
4 1	13 49.84	− 4 22.2	1.974	2.945	5.7	21.9
4 11	13 40.93	− 3 28.4	1.943	2.940	2.5	21.7
4 21	13 31.56	− 2 37.5	1.941	2.933	3.7	21.7
5 1	13 22.65	− 1 54.8	1.967	2.926	7.4	21.9
5 11	13 15.03	− 1 24.6	2.020	2.918	10.9	22.1
5 21	13 9.29	− 1 9.1	2.095	2.910	14.0	22.3

174838 2003 YV_{115} 4 15.8 103.°48 3.°7/18.8 18

3 12	14 2.70	−21 10.9	1.671	2.476	16.4	20.5
3 22	13 57.72	−21 16.2	1.596	2.484	13.0	20.3
4 1	13 50.23	−21 1.8	1.543	2.492	9.1	20.0
4 11	13 41.09	−20 28.2	1.514	2.500	5.3	19.8
4 21	13 31.41	−19 39.0	1.511	2.507	3.9	19.8
5 1	13 22.40	−18 40.3	1.535	2.515	6.9	19.9
5 11	13 15.15	−17 40.3	1.585	2.522	10.8	20.2
5 21	13 10.30	−16 46.2	1.657	2.529	14.4	20.4

408658 2014 MV_{20} 4 15.8 266.°57 3.°9/12.9 17

3 12	14 3.01	− 3 45.1	1.527	2.382	15.2	21.1
3 22	13 58.28	− 2 51.5	1.436	2.362	11.5	20.9
4 1	13 50.83	− 1 49.0	1.368	2.341	7.3	20.6
4 11	13 41.38	− 0 44.7	1.324	2.319	4.1	20.3
4 21	13 31.02	+ 0 13.4	1.308	2.297	5.9	20.4
5 1	13 21.09	+ 0 57.2	1.316	2.274	10.4	20.5
5 11	13 12.82	+ 1 20.9	1.349	2.251	15.0	20.7
5 21	13 7.08	+ 1 22.1	1.400	2.228	19.0	20.9

36687 2000 RR_4 4 15.8 314.°87 4.°3/12.9 18

3 12	13 59.32	− 3 48.6	1.255	2.127	16.8	18.2
3 22	13 55.87	− 2 58.7	1.177	2.111	12.6	17.9
4 1	13 49.47	− 1 59.7	1.119	2.095	8.0	17.6
4 11	13 40.94	− 0 59.5	1.085	2.080	4.4	17.4
4 21	13 31.51	− 0 7.2	1.074	2.065	6.4	17.4
5 1	13 22.67	+ 0 28.4	1.087	2.051	11.3	17.6
5 11	13 15.76	+ 0 41.3	1.122	2.038	16.1	17.9
5 21	13 11.64	+ 0 29.7	1.174	2.026	20.4	18.1

55267 2001 RP_{132} 4 15.8 172.°64 0.°9/17.3 18

3 12	13 53.48	−15 11.9	4.493	5.290	7.0	19.3
3 22	13 49.45	−15 12.6	4.400	5.290	5.3	19.2
4 1	13 44.57	−15 7.6	4.334	5.291	3.5	19.0
4 11	13 39.14	−14 58.1	4.298	5.291	1.6	18.9
4 21	13 33.52	−14 45.2	4.291	5.291	1.2	18.9
5 1	13 28.09	−14 30.7	4.315	5.292	3.0	19.0
5 11	13 23.20	−14 16.5	4.368	5.292	4.9	19.1
5 21	13 19.12	−14 4.4	4.448	5.292	6.6	19.3

68366 2001 OF_{67} 4 15.8 149.°39 1.°2/14.6 17

3 12	14 0.85	− 9 26.5	2.191	3.021	12.2	20.6
3 22	13 55.62	− 8 40.2	2.117	3.031	9.0	20.4
4 1	13 48.62	− 7 44.8	2.069	3.039	5.5	20.2
4 11	13 40.51	− 6 44.7	2.049	3.048	1.8	20.0
4 21	13 32.09	− 5 45.0	2.058	3.055	2.8	20.1
5 1	13 24.19	− 4 51.2	2.096	3.063	6.4	20.3
5 11	13 17.55	− 4 7.7	2.160	3.069	9.8	20.5
5 21	13 12.66	− 3 37.5	2.248	3.075	12.8	20.8

313106 2000 WT_{96} 4 15.8 115.°85 3.°9/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.28	− 1 35.9	1.800	2.645	13.8	21.0
3 22	13 59.08	− 0 46.8	1.746	2.665	10.2	20.8
4 1	13 50.77	+ 0 4.8	1.715	2.684	6.5	20.6
4 11	13 41.20	+ 0 52.8	1.712	2.703	4.0	20.5
4 21	13 31.39	+ 1 31.4	1.737	2.721	5.4	20.6
5 1	13 22.37	+ 1 55.9	1.790	2.739	8.8	20.8
5 11	13 14.98	+ 2 3.6	1.867	2.755	12.2	21.1
5 21	13 9.74	+ 1 54.5	1.966	2.771	15.1	21.3

57576 2001 TV_{66} 4 15.8 132.°90 1.°3/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.25	− 8 36.6	1.918	2.756	13.3	19.7
3 22	13 56.16	− 8 1.6	1.847	2.764	9.9	19.5
4 1	13 49.06	− 7 17.6	1.800	2.771	6.0	19.3
4 11	13 40.68	− 6 29.3	1.779	2.778	2.1	19.0
4 21	13 31.91	− 5 41.7	1.787	2.785	3.1	19.1
5 1	13 23.73	− 5 0.4	1.823	2.791	7.1	19.4
5 11	13 16.97	− 4 30.1	1.884	2.797	10.8	19.6
5 21	13 12.19	− 4 13.3	1.968	2.803	14.0	19.8

329308 2000 SW_{37} 4 15.8 268.°45 1.°8/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.80	− 6 56.3	2.026	2.864	12.7	21.1
3 22	13 56.80	− 6 25.7	1.923	2.840	9.6	20.8
4 1	13 49.65	− 5 47.0	1.843	2.815	5.9	20.5
4 11	13 40.95	− 5 4.1	1.791	2.789	2.3	20.3
4 21	13 31.54	− 4 21.9	1.767	2.763	3.5	20.3
5 1	13 22.41	− 3 45.9	1.772	2.737	7.5	20.5
5 11	13 14.51	− 3 20.8	1.802	2.710	11.5	20.6
5 21	13 8.54	− 3 9.7	1.854	2.682	15.0	20.8

154292 2002 TJ_{258} 4 15.8 180.°03 2.°3/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.27	− 6 9.0	1.719	2.558	14.6	21.2
3 22	14 0.20	− 5 35.3	1.643	2.560	10.9	21.0
4 1	13 51.70	− 4 53.9	1.590	2.561	6.7	20.8
4 11	13 41.59	− 4 9.8	1.564	2.562	2.7	20.5
4 21	13 30.94	− 3 28.9	1.566	2.561	4.1	20.6
5 1	13 20.92	− 2 57.0	1.596	2.560	8.3	20.8
5 11	13 12.59	− 2 38.6	1.651	2.558	12.4	21.1
5 21	13 6.59	− 2 35.9	1.728	2.555	16.0	21.3

503704 2016 JE_{14} 4 15.8 324.°57 6.°9/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.79	+ 3 41.2	1.697	2.562	13.4	20.7
3 22	13 53.10	+ 5 30.4	1.633	2.559	10.4	20.5
4 1	13 47.30	+ 7 20.8	1.594	2.555	7.7	20.3
4 11	13 40.13	+ 9 2.2	1.581	2.552	7.0	20.2
4 21	13 32.52	+10 25.4	1.594	2.549	8.9	20.3
5 1	13 25.48	+11 23.6	1.631	2.546	11.9	20.5
5 11	13 19.88	+11 53.7	1.691	2.543	15.0	20.7
5 21	13 16.31	+11 56.2	1.769	2.541	17.8	20.9

359047 2008 XY_{36} 4 15.8 224.°64 0.°2/16.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.88	−12 23.9	2.174	2.999	12.5	21.6
3 22	13 55.09	−12 5.3	2.086	2.994	9.4	21.4
4 1	13 48.42	−11 36.2	2.022	2.989	5.9	21.2
4 11	13 40.50	−10 59.4	1.985	2.984	2.0	20.9
4 21	13 32.11	−10 18.6	1.977	2.978	2.0	20.9
5 1	13 24.13	− 9 38.6	1.997	2.972	5.9	21.1
5 11	13 17.37	− 9 4.2	2.044	2.967	9.6	21.3
5 21	13 12.39	− 8 39.0	2.114	2.961	12.7	21.5

408768 1998 SQ_{49} 4 15.8 307.°22 2.°8/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.87	− 5 15.6	1.215	2.076	17.9	20.8
3 22	14 1.76	− 5 7.7	1.102	2.030	13.9	20.4
4 1	13 53.88	− 4 51.8	1.008	1.983	8.9	20.0
4 11	13 42.71	− 4 32.5	0.937	1.935	3.6	19.5
4 21	13 29.37	− 4 16.2	0.890	1.888	5.3	19.5
5 1	13 15.67	− 4 10.6	0.866	1.840	11.9	19.6
5 11	13 3.67	− 4 22.8	0.864	1.792	18.5	19.8
5 21	12 54.95	− 4 56.8	0.879	1.744	24.5	20.0

225032 2007 FH_{29} 4 15.8 303.°77 0.°4/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.52	−10 46.1	1.757	2.597	14.3	20.7
3 22	13 55.94	−10 26.9	1.677	2.594	10.8	20.5
4 1	13 49.10	− 9 56.7	1.620	2.591	6.6	20.2
4 11	13 40.75	− 9 18.9	1.589	2.588	2.1	19.9
4 21	13 31.85	− 8 38.5	1.584	2.585	2.6	19.9
5 1	13 23.48	− 8 1.1	1.607	2.582	7.1	20.2
5 11	13 16.61	− 7 32.2	1.655	2.579	11.3	20.4
5 21	13 11.89	− 7 15.4	1.724	2.577	14.9	20.7

196946 2003 UX_{31} 4 15.8 250.°77 0.°7/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.04	− 9 51.9	2.148	2.980	12.3	21.1
3 22	13 55.27	− 9 27.1	2.055	2.968	9.3	20.8
4 1	13 48.58	− 8 53.3	1.986	2.956	5.7	20.6
4 11	13 40.57	− 8 13.5	1.944	2.943	1.8	20.3
4 21	13 32.03	− 7 32.0	1.931	2.931	2.5	20.3
5 1	13 23.87	− 6 53.7	1.946	2.918	6.4	20.6
5 11	13 16.90	− 6 23.2	1.988	2.904	10.1	20.8
5 21	13 11.72	− 6 3.8	2.052	2.891	13.4	20.9

424010 2006 WS_{97} 4 15.8 170.°06 0.°7/16.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.19	−14 54.8	2.348	3.156	12.2	23.1
3 22	13 56.61	−14 26.2	2.264	3.162	9.3	22.9
4 1	13 49.25	−13 45.5	2.204	3.166	5.9	22.7
4 11	13 40.75	−12 55.3	2.173	3.170	2.2	22.4
4 21	13 31.88	−11 59.8	2.171	3.173	1.8	22.4
5 1	13 23.49	−11 3.7	2.199	3.175	5.5	22.7
5 11	13 16.30	−10 12.5	2.255	3.176	8.9	22.9
5 21	13 10.85	− 9 30.1	2.335	3.176	11.9	23.1

438437 2006 WS_{98} 4 15.8 213.°50 3.°3/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.89	− 0 1.2	2.560	3.402	10.3	22.0
3 22	13 54.00	+ 0 34.9	2.481	3.398	7.7	21.8
4 1	13 47.59	+ 1 12.1	2.427	3.394	5.0	21.6
4 11	13 40.20	+ 1 46.4	2.402	3.390	3.4	21.5
4 21	13 32.48	+ 2 13.7	2.405	3.385	4.5	21.5
5 1	13 25.13	+ 2 30.8	2.437	3.380	7.1	21.7
5 11	13 18.79	+ 2 35.3	2.495	3.375	9.8	21.9
5 21	13 13.91	+ 2 26.7	2.576	3.370	12.2	22.0

105610 2000 RG_{98} 4 15.8 258.°43 5.°1/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.59	−28 22.6	2.438	3.191	13.4	19.0
3 22	13 54.19	−28 29.3	2.337	3.182	11.1	18.8
4 1	13 47.91	−28 17.4	2.258	3.173	8.6	18.7
4 11	13 40.35	−27 46.4	2.204	3.164	6.3	18.5
4 21	13 32.29	−26 57.6	2.176	3.154	5.1	18.4
5 1	13 24.58	−25 54.9	2.177	3.145	6.1	18.5
5 11	13 18.05	−24 44.4	2.204	3.136	8.5	18.6
5 21	13 13.26	−23 32.5	2.256	3.126	11.2	18.7

437450 2013 YL_{10} 4 15.8 58.°27 3.°1/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.70	− 3 34.5	2.011	2.862	12.3	21.1
3 22	13 53.39	− 2 41.7	1.948	2.872	9.1	20.9
4 1	13 47.30	− 1 44.4	1.909	2.881	5.7	20.8
4 11	13 40.11	− 0 48.1	1.897	2.891	3.2	20.6
4 21	13 32.62	+ 0 1.6	1.913	2.901	4.5	20.7
5 1	13 25.67	+ 0 39.7	1.957	2.911	7.8	20.9
5 11	13 20.01	+ 1 2.8	2.025	2.921	11.0	21.1
5 21	13 16.10	+ 1 9.7	2.115	2.931	13.8	21.4

469891 2005 VG_{118} 4 15.8 219.°85 7.°7/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.13	−41 52.4	3.190	3.823	12.6	21.7
3 22	13 56.71	−42 25.9	3.082	3.814	11.3	21.5
4 1	13 49.42	−42 40.5	2.993	3.805	9.9	21.4
4 11	13 40.86	−42 33.6	2.927	3.795	8.6	21.3
4 21	13 31.75	−42 4.7	2.885	3.784	7.8	21.2
5 1	13 22.96	−41 15.2	2.869	3.773	7.7	21.2
5 11	13 15.28	−40 9.6	2.879	3.762	8.6	21.3
5 21	13 9.30	−38 53.3	2.914	3.750	9.9	21.3

313713 2003 UE_{94} 4 15.8 163.°39 0.°7/16.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.47	−14 18.8	2.076	2.891	13.3	22.1
3 22	13 57.77	−13 54.3	1.996	2.897	10.1	21.9
4 1	13 50.05	−13 17.0	1.940	2.903	6.4	21.6
4 11	13 41.04	−12 29.9	1.911	2.909	2.4	21.4
4 21	13 31.61	−11 37.3	1.912	2.913	2.0	21.4
5 1	13 22.73	−10 44.6	1.941	2.917	6.1	21.6
5 11	13 15.24	− 9 57.4	1.997	2.920	9.8	21.9
5 21	13 9.71	− 9 20.1	2.078	2.922	13.0	22.1

421333 2013 TA_{79} 4 15.8 107.°96 2.°5/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.87	−17 54.2	2.146	2.944	13.5	21.0
3 22	13 58.75	−18 11.3	2.074	2.961	10.5	20.8
4 1	13 50.62	−18 15.6	2.026	2.977	7.1	20.6
4 11	13 41.22	−18 7.5	2.004	2.993	3.7	20.4
4 21	13 31.43	−17 49.5	2.011	3.009	2.8	20.4
5 1	13 22.23	−17 25.2	2.047	3.024	5.7	20.6
5 11	13 14.46	−16 59.6	2.111	3.039	9.0	20.8
5 21	13 8.66	−16 37.1	2.198	3.054	12.0	21.1

521176 2015 FG_{410} 4 15.8 340.°49 0.°9/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.89	−13 13.2	1.836	2.669	14.0	21.0
3 22	13 54.71	−13 14.6	1.751	2.662	10.7	20.7
4 1	13 48.37	−13 4.4	1.688	2.655	6.8	20.5
4 11	13 40.53	−12 44.9	1.651	2.649	2.6	20.2
4 21	13 32.12	−12 19.4	1.641	2.643	2.2	20.1
5 1	13 24.16	−11 52.6	1.659	2.638	6.5	20.4
5 11	13 17.59	−11 29.8	1.701	2.634	10.5	20.6
5 21	13 13.08	−11 15.0	1.766	2.630	14.1	20.8

72212 2001 AT 4 15.8 119.°71 0.°4/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.96	−11 10.7	1.748	2.580	14.7	19.8
3 22	13 58.33	−10 43.5	1.682	2.594	11.0	19.6
4 1	13 50.45	−10 4.9	1.639	2.608	6.7	19.4
4 11	13 41.17	− 9 18.8	1.623	2.622	2.2	19.1
4 21	13 31.51	− 8 30.6	1.634	2.635	2.6	19.1
5 1	13 22.57	− 7 46.4	1.673	2.647	7.1	19.5
5 11	13 15.28	− 7 11.6	1.738	2.659	11.1	19.7
5 21	13 10.21	− 6 49.6	1.825	2.670	14.5	20.0

102045 1999 RQ_{115} 4 15.8 267.°17 6.°6/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.40	−31 56.7	2.601	3.321	13.4	20.0
3 22	13 57.16	−32 40.6	2.490	3.303	11.5	19.8
4 1	13 49.86	−33 7.5	2.400	3.286	9.4	19.6
4 11	13 41.06	−33 14.9	2.334	3.268	7.6	19.5
4 21	13 31.53	−33 2.2	2.295	3.250	6.6	19.4
5 1	13 22.21	−32 31.1	2.284	3.231	7.2	19.4
5 11	13 14.02	−31 46.3	2.298	3.212	9.1	19.4
5 21	13 7.65	−30 53.7	2.337	3.194	11.3	19.6

468197 2015 AA_{273} 4 15.8 349.°29 0.°1/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.67	−11 40.3	1.695	2.534	14.8	21.4
3 22	13 56.12	−11 21.2	1.618	2.533	11.1	21.2
4 1	13 49.24	−10 49.9	1.563	2.533	6.9	20.9
4 11	13 40.82	−10 9.9	1.533	2.532	2.3	20.6
4 21	13 31.86	− 9 26.1	1.531	2.532	2.5	20.6
5 1	13 23.46	− 8 44.8	1.555	2.532	7.2	20.9
5 11	13 16.63	− 8 11.7	1.604	2.532	11.4	21.1
5 21	13 12.02	− 7 50.8	1.675	2.531	15.1	21.4

68106 2000 YK_{128} 4 15.8 216.°06 2.°0/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.34	−17 6.8	2.013	2.819	14.0	19.7
3 22	13 58.71	−17 2.9	1.917	2.811	10.9	19.4
4 1	13 50.82	−16 44.6	1.845	2.802	7.3	19.2
4 11	13 41.36	−16 13.1	1.799	2.792	3.5	18.9
4 21	13 31.25	−15 31.3	1.781	2.781	2.5	18.8
5 1	13 21.55	−14 44.3	1.792	2.770	6.2	19.1
5 11	13 13.25	−13 58.2	1.830	2.758	10.2	19.3
5 21	13 7.04	−13 18.6	1.891	2.745	13.7	19.5

74285 1998 SR_{131} 4 15.8 246.°82 3.°0/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.82	−19 46.7	2.274	3.067	13.0	19.7
3 22	13 56.66	−19 58.8	2.173	3.055	10.3	19.5
4 1	13 49.49	−19 57.2	2.095	3.042	7.2	19.3
4 11	13 40.91	−19 42.2	2.044	3.030	4.1	19.0
4 21	13 31.72	−19 15.6	2.020	3.016	3.1	18.9
5 1	13 22.85	−18 40.9	2.026	3.003	5.7	19.1
5 11	13 15.17	−18 3.2	2.058	2.989	9.1	19.3
5 21	13 9.33	−17 27.8	2.115	2.975	12.2	19.4

66901 1999 VK_{135} 4 15.8 202.°51 0.°8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.69	−10 44.7	2.532	3.356	10.9	20.2
3 22	13 53.93	− 9 53.4	2.441	3.351	8.1	20.0
4 1	13 47.59	− 8 52.4	2.377	3.346	5.0	19.8
4 11	13 40.23	− 7 45.5	2.341	3.340	1.6	19.6
4 21	13 32.51	− 6 37.2	2.335	3.333	2.3	19.6
5 1	13 25.15	− 5 32.8	2.359	3.326	5.7	19.8
5 11	13 18.82	− 4 37.0	2.410	3.319	8.9	20.0
5 21	13 13.99	− 3 53.1	2.486	3.310	11.7	20.2

362011 2008 WJ_{74} 4 15.8 68.°15 1.°5/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.96	− 8 42.6	1.325	2.178	17.2	21.0
3 22	13 58.85	− 8 16.3	1.269	2.194	12.8	20.8
4 1	13 50.98	− 7 38.9	1.235	2.209	7.8	20.5
4 11	13 41.38	− 6 55.9	1.226	2.225	2.6	20.3
4 21	13 31.36	− 6 14.1	1.241	2.241	3.7	20.4
5 1	13 22.29	− 5 40.5	1.283	2.256	8.7	20.7
5 11	13 15.31	− 5 20.6	1.347	2.272	13.3	21.0
5 21	13 11.01	− 5 17.0	1.432	2.288	17.1	21.3

497608 2006 PM_2 4 15.8 257.°88 2.°4/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.82	−17 54.9	1.810	2.622	15.1	22.3
3 22	13 57.93	−17 50.2	1.708	2.604	11.9	22.1
4 1	13 50.54	−17 28.7	1.628	2.585	8.0	21.8
4 11	13 41.33	−16 51.1	1.573	2.565	4.0	21.5
4 21	13 31.27	−16 0.8	1.545	2.545	2.9	21.4
5 1	13 21.56	−15 3.4	1.545	2.524	6.8	21.6
5 11	13 13.33	−14 6.5	1.570	2.503	11.2	21.8
5 21	13 7.37	−13 16.9	1.618	2.481	15.2	22.0

138880 2000 YK_6 4 15.8 161.°42 0.°7/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.93	−10 29.2	1.605	2.439	15.7	20.4
3 22	14 0.85	−10 2.6	1.533	2.446	11.8	20.2
4 1	13 52.18	− 9 24.0	1.483	2.452	7.3	19.9
4 11	13 41.80	− 8 37.5	1.458	2.458	2.3	19.6
4 21	13 30.88	− 7 48.9	1.462	2.462	3.0	19.7
5 1	13 20.69	− 7 4.8	1.493	2.466	7.9	20.0
5 11	13 12.34	− 6 31.4	1.549	2.468	12.3	20.2
5 21	13 6.49	− 6 12.3	1.627	2.470	16.1	20.5

214582 2006 QJ_{52} 4 15.8 215.°81 2.°9/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.81	− 4 51.0	1.890	2.735	13.2	20.7
3 22	13 56.75	− 3 59.8	1.808	2.729	9.9	20.5
4 1	13 49.56	− 3 1.4	1.750	2.722	6.1	20.3
4 11	13 40.93	− 2 1.4	1.719	2.714	3.1	20.1
4 21	13 31.78	− 1 6.1	1.716	2.706	4.5	20.1
5 1	13 23.12	− 0 21.6	1.741	2.698	8.3	20.3
5 11	13 15.86	+ 0 7.6	1.790	2.689	12.1	20.5
5 21	13 10.62	+ 0 19.3	1.862	2.680	15.3	20.7

478024 2011 SX_{208} 4 15.8 220.°54 1.°6/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.48	− 6 3.4	2.695	3.528	10.1	22.0
3 22	13 53.68	− 5 34.8	2.606	3.521	7.5	21.9
4 1	13 47.42	− 5 1.2	2.543	3.514	4.6	21.7
4 11	13 40.18	− 4 26.0	2.509	3.506	1.9	21.4
4 21	13 32.59	− 3 52.5	2.504	3.498	2.8	21.5
5 1	13 25.33	− 3 24.4	2.528	3.490	5.8	21.7
5 11	13 19.00	− 3 4.7	2.579	3.481	8.7	21.9
5 21	13 14.08	− 2 55.4	2.655	3.472	11.3	22.0

114404 2002 YJ_{19} 4 15.8 214.°20 4.°6/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.08	+ 3 17.6	2.397	3.243	10.7	19.8
3 22	13 54.25	+ 4 8.3	2.323	3.239	8.2	19.7
4 1	13 47.80	+ 4 58.4	2.273	3.235	5.8	19.5
4 11	13 40.32	+ 5 42.6	2.252	3.230	4.6	19.4
4 21	13 32.49	+ 6 16.3	2.259	3.226	5.8	19.5
5 1	13 25.07	+ 6 35.8	2.293	3.221	8.3	19.6
5 11	13 18.74	+ 6 39.1	2.352	3.215	11.0	19.8
5 21	13 13.96	+ 6 26.1	2.433	3.210	13.3	19.9

292378 2006 SD_{258} 4 15.8 219.°76 0.°2/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.07	−12 54.9	2.410	3.231	11.5	22.0
3 22	13 53.58	−12 30.7	2.321	3.228	8.7	21.8
4 1	13 47.44	−11 56.4	2.258	3.224	5.4	21.6
4 11	13 40.21	−11 14.7	2.222	3.220	1.9	21.3
4 21	13 32.60	−10 29.2	2.215	3.216	1.8	21.3
5 1	13 25.37	− 9 44.4	2.236	3.212	5.4	21.5
5 11	13 19.20	− 9 4.7	2.285	3.207	8.7	21.7
5 21	13 14.60	− 8 33.8	2.358	3.203	11.6	21.9

497160 2004 RT_{208} 4 15.8 218.°44 3.°4/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.26	−24 6.1	2.651	3.417	12.1	22.4
3 22	13 55.98	−23 55.7	2.544	3.406	9.8	22.2
4 1	13 48.96	−23 29.4	2.461	3.394	7.1	22.0
4 11	13 40.74	−22 47.4	2.404	3.381	4.5	21.8
4 21	13 32.04	−21 52.0	2.377	3.368	3.4	21.7
5 1	13 23.66	−20 47.2	2.379	3.353	5.2	21.8
5 11	13 16.36	−19 38.6	2.409	3.338	8.0	22.0
5 21	13 10.67	−18 31.9	2.466	3.323	10.8	22.1

338288 2002 UG_{13} 4 15.8 138.°19 2.°7/12.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.15	− 3 3.4	2.688	3.527	9.9	21.2
3 22	13 53.32	− 2 6.8	2.622	3.539	7.3	21.1
4 1	13 47.11	− 1 7.0	2.582	3.551	4.6	20.9
4 11	13 40.08	− 0 8.4	2.571	3.562	2.7	20.8
4 21	13 32.82	+ 0 44.8	2.589	3.573	3.9	20.9
5 1	13 25.99	+ 1 28.4	2.637	3.584	6.4	21.1
5 11	13 20.14	+ 1 59.7	2.712	3.594	9.0	21.3
5 21	13 15.68	+ 2 17.5	2.810	3.603	11.3	21.4

278847 2008 TX_1 4 15.8 210.°69 0.°3/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.61	−14 0.0	1.979	2.807	13.4	20.7
3 22	13 54.31	−13 23.8	1.896	2.805	10.2	20.5
4 1	13 48.03	−12 33.9	1.837	2.804	6.4	20.2
4 11	13 40.45	−11 33.8	1.804	2.803	2.2	20.0
4 21	13 32.42	−10 28.7	1.800	2.801	2.1	20.0
5 1	13 24.88	− 9 24.7	1.823	2.800	6.3	20.2
5 11	13 18.66	− 8 28.2	1.872	2.798	10.1	20.4
5 21	13 14.33	− 7 43.7	1.945	2.796	13.5	20.7

56183 1999 FF_{34} 4 15.8 93.°26 1.°9/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.88	− 7 33.4	1.825	2.667	13.7	18.9
3 22	13 56.60	− 6 45.6	1.769	2.688	10.1	18.7
4 1	13 49.31	− 5 49.6	1.736	2.708	6.1	18.5
4 11	13 40.82	− 4 51.1	1.730	2.728	2.4	18.3
4 21	13 32.08	− 3 55.9	1.753	2.748	3.6	18.5
5 1	13 24.07	− 3 10.0	1.803	2.768	7.4	18.7
5 11	13 17.58	− 2 37.6	1.878	2.787	11.1	19.0
5 21	13 13.11	− 2 20.7	1.975	2.805	14.1	19.2

113522 2002 TL_{16} 4 15.8 238.°58 0.°4/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.67	−13 50.6	1.998	2.820	13.5	20.1
3 22	13 56.73	−13 19.8	1.900	2.806	10.3	19.9
4 1	13 49.63	−12 35.1	1.825	2.791	6.5	19.6
4 11	13 41.02	−11 39.3	1.777	2.775	2.3	19.3
4 21	13 31.79	−10 37.2	1.757	2.759	2.2	19.3
5 1	13 22.93	− 9 34.8	1.766	2.742	6.6	19.5
5 11	13 15.39	− 8 38.8	1.802	2.724	10.6	19.7
5 21	13 9.83	− 7 54.2	1.860	2.706	14.2	19.9

107661 2001 FC_2 4 15.8 97.°35 2.°8/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.60	− 4 43.2	1.639	2.486	14.8	19.6
3 22	13 58.84	− 4 6.9	1.582	2.504	10.9	19.4
4 1	13 50.79	− 3 25.0	1.549	2.521	6.7	19.2
4 11	13 41.34	− 2 43.1	1.542	2.538	3.1	19.0
4 21	13 31.57	− 2 7.2	1.562	2.555	4.5	19.1
5 1	13 22.62	− 1 42.4	1.610	2.572	8.4	19.4
5 11	13 15.41	− 1 32.3	1.681	2.588	12.3	19.6
5 21	13 10.49	− 1 38.1	1.774	2.603	15.5	19.9

467862 2011 AL_{22} 4 15.8 54.°61 0.°9/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.60	− 9 41.7	1.546	2.393	15.5	21.3
3 22	13 56.82	− 9 19.9	1.486	2.407	11.6	21.1
4 1	13 49.65	− 8 47.5	1.448	2.421	7.0	20.8
4 11	13 40.98	− 8 8.9	1.436	2.435	2.3	20.6
4 21	13 31.93	− 7 29.8	1.450	2.450	3.0	20.7
5 1	13 23.65	− 6 56.3	1.490	2.465	7.6	21.0
5 11	13 17.12	− 6 33.5	1.555	2.480	11.8	21.2
5 21	13 12.93	− 6 24.3	1.641	2.495	15.4	21.5

77237 2001 FS_{39} 4 15.8 37.°32 0.°4/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.80	−12 18.7	1.328	2.178	17.4	19.4
3 22	13 57.41	−12 11.1	1.266	2.186	13.2	19.2
4 1	13 50.24	−11 48.8	1.224	2.195	8.2	18.9
4 11	13 41.23	−11 15.7	1.206	2.205	2.9	18.6
4 21	13 31.66	−10 37.3	1.213	2.215	2.7	18.6
5 1	13 22.94	−10 0.7	1.245	2.225	8.0	19.0
5 11	13 16.23	− 9 32.8	1.300	2.236	12.8	19.3
5 21	13 12.20	− 9 17.8	1.376	2.248	16.8	19.5

243648 1999 TX_{176} 4 15.8 221.°63 0.°5/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.18	−12 56.2	2.058	2.876	13.3	21.3
3 22	13 58.53	−12 43.2	1.962	2.866	10.2	21.1
4 1	13 50.71	−12 18.8	1.890	2.855	6.4	20.9
4 11	13 41.39	−11 45.2	1.845	2.843	2.3	20.6
4 21	13 31.43	−11 6.1	1.829	2.830	2.1	20.5
5 1	13 21.87	−10 26.5	1.842	2.817	6.4	20.8
5 11	13 13.63	− 9 51.7	1.882	2.803	10.3	21.0
5 21	13 7.40	− 9 25.8	1.945	2.788	13.8	21.2

241555 2010 GT_5 4 15.8 83.°27 1.°1/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.35	− 8 2.0	2.071	2.908	12.5	20.5
3 22	13 55.48	− 7 44.0	1.993	2.909	9.3	20.3
4 1	13 48.70	− 7 18.9	1.939	2.910	5.7	20.1
4 11	13 40.68	− 6 50.2	1.912	2.911	1.9	19.9
4 21	13 32.24	− 6 21.8	1.913	2.912	2.7	19.9
5 1	13 24.27	− 5 58.2	1.943	2.913	6.6	20.2
5 11	13 17.59	− 5 43.0	1.998	2.914	10.1	20.4
5 21	13 12.74	− 5 38.8	2.076	2.915	13.2	20.6

134923 2000 YQ_{111} 4 15.8 98.°75 5.°3/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.51	+ 3 27.5	1.971	2.821	12.5	20.0
3 22	13 56.21	+ 4 23.1	1.917	2.835	9.5	19.8
4 1	13 49.05	+ 5 17.0	1.887	2.849	6.7	19.7
4 11	13 40.75	+ 6 2.7	1.884	2.863	5.3	19.6
4 21	13 32.21	+ 6 35.0	1.909	2.877	6.6	19.7
5 1	13 24.31	+ 6 50.1	1.961	2.890	9.4	19.9
5 11	13 17.82	+ 6 46.5	2.036	2.904	12.2	20.1
5 21	13 13.21	+ 6 25.0	2.133	2.917	14.7	20.3

165059 2000 ET_{102} 4 15.8 319.°69 0.°2/16.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.56	−12 50.0	2.025	2.855	13.1	20.8
3 22	13 54.23	−12 25.1	1.943	2.854	9.9	20.6
4 1	13 47.98	−11 48.4	1.885	2.852	6.2	20.3
4 11	13 40.45	−11 3.1	1.853	2.851	2.1	20.1
4 21	13 32.48	−10 13.7	1.848	2.850	2.1	20.1
5 1	13 24.97	− 9 25.6	1.872	2.849	6.2	20.3
5 11	13 18.75	− 8 44.2	1.922	2.848	9.9	20.5
5 21	13 14.36	− 8 13.3	1.995	2.847	13.2	20.7

332157 2005 YM_{135} 4 15.8 196.°06 4.°8/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.74	+ 2 52.1	2.199	3.043	11.6	21.4
3 22	13 56.37	+ 3 43.7	2.125	3.041	8.8	21.3
4 1	13 49.19	+ 4 35.0	2.076	3.039	6.2	21.1
4 11	13 40.83	+ 5 20.3	2.055	3.035	4.8	21.0
4 21	13 32.10	+ 5 54.3	2.063	3.032	6.1	21.1
5 1	13 23.83	+ 6 13.2	2.097	3.027	8.8	21.2
5 11	13 16.79	+ 6 14.8	2.157	3.023	11.7	21.4
5 21	13 11.51	+ 5 59.1	2.238	3.018	14.3	21.6

472135 2014 BW_{53} 4 15.9 315.°50 0.°4/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.19	−10 58.0	2.122	2.955	12.4	21.7
3 22	13 53.86	−10 29.0	2.041	2.954	9.3	21.5
4 1	13 47.70	− 9 50.1	1.983	2.953	5.7	21.3
4 11	13 40.36	− 9 4.7	1.953	2.952	1.8	21.0
4 21	13 32.61	− 8 17.3	1.951	2.951	2.3	21.1
5 1	13 25.30	− 7 32.9	1.977	2.950	6.2	21.3
5 11	13 19.20	− 6 56.4	2.029	2.949	9.7	21.5
5 21	13 14.84	− 6 31.1	2.104	2.948	12.9	21.7

109775 2001 RO_{80} 4 15.9 112.°81 1.°2/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.15	−16 5.2	1.979	2.793	13.9	20.2
3 22	13 56.82	−15 41.4	1.910	2.810	10.6	20.0
4 1	13 49.50	−15 3.3	1.865	2.826	6.8	19.8
4 11	13 40.94	−14 13.9	1.846	2.842	2.8	19.6
4 21	13 32.05	−13 17.7	1.856	2.857	2.1	19.6
5 1	13 23.80	−12 20.6	1.894	2.872	5.9	19.8
5 11	13 17.01	−11 28.6	1.959	2.886	9.6	20.1
5 21	13 12.20	−10 46.3	2.047	2.900	12.8	20.3

300264 2007 HO_{35} 4 15.9 321.°94 0.°5/16.2 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.39	−15 30.2	1.144	2.004	18.9	20.2
3 22	13 53.28	−14 43.9	1.062	1.988	14.6	19.8
4 1	13 48.10	−13 31.1	0.999	1.972	9.3	19.5
4 11	13 40.66	−11 56.3	0.958	1.957	3.3	19.1
4 21	13 32.24	−10 8.9	0.941	1.943	3.1	19.0
5 1	13 24.42	− 8 22.2	0.946	1.929	9.4	19.3
5 11	13 18.65	− 6 49.6	0.974	1.917	15.2	19.6
5 21	13 15.83	− 5 40.4	1.019	1.905	20.2	19.8

165519 2001 CV_{17} 4 15.9 350.°73 7.°4/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.85	−25 23.1	1.548	2.341	18.1	19.1
3 22	13 58.49	−26 38.3	1.465	2.335	15.1	18.9
4 1	13 51.17	−27 34.3	1.401	2.330	11.7	18.7
4 11	13 41.67	−28 7.3	1.360	2.325	8.7	18.5
4 21	13 31.16	−28 15.6	1.343	2.322	7.4	18.4
5 1	13 21.12	−28 1.8	1.351	2.319	9.0	18.5
5 11	13 12.94	−27 32.9	1.382	2.317	12.2	18.7
5 21	13 7.55	−26 57.4	1.434	2.317	15.6	18.9

336657 2009 XX_{18} 4 15.9 147.°79 3.°9/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.83	− 0 59.7	2.026	2.876	12.3	20.8
3 22	13 55.05	− 0 6.0	1.957	2.879	9.1	20.6
4 1	13 48.41	+ 0 50.4	1.913	2.882	6.0	20.4
4 11	13 40.59	+ 1 43.7	1.896	2.885	3.9	20.3
4 21	13 32.41	+ 2 28.3	1.907	2.888	5.3	20.3
5 1	13 24.76	+ 2 59.4	1.945	2.891	8.4	20.5
5 11	13 18.40	+ 3 14.0	2.008	2.893	11.6	20.7
5 21	13 13.86	+ 3 11.5	2.092	2.895	14.4	20.9

294472 2007 VU_{329} 4 15.9 331.°50 3.°2/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.98	−21 43.5	2.080	2.877	13.9	20.7
3 22	13 53.89	−21 35.7	1.992	2.874	11.1	20.5
4 1	13 47.82	−21 10.5	1.926	2.872	7.8	20.3
4 11	13 40.43	−20 28.8	1.885	2.869	4.6	20.1
4 21	13 32.55	−19 33.9	1.871	2.867	3.3	20.0
5 1	13 25.13	−18 30.8	1.885	2.865	5.8	20.1
5 11	13 19.00	−17 26.5	1.926	2.863	9.2	20.3
5 21	13 14.74	−16 27.0	1.990	2.861	12.4	20.5

259666 2003 WU_{143} 4 15.9 106.°10 1.°0/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.45	−13 56.6	1.608	2.439	15.8	20.8
3 22	13 58.32	−13 49.1	1.536	2.445	12.1	20.6
4 1	13 50.69	−13 27.4	1.486	2.452	7.7	20.4
4 11	13 41.41	−12 54.2	1.461	2.459	2.9	20.1
4 21	13 31.59	−12 14.1	1.463	2.465	2.4	20.1
5 1	13 22.46	−11 33.1	1.492	2.471	7.1	20.4
5 11	13 15.08	−10 57.9	1.546	2.478	11.5	20.6
5 21	13 10.10	−10 33.1	1.622	2.484	15.2	20.9

249266 2008 SD_{127} 4 15.9 151.°02 0.°2/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.87	−13 9.3	4.099	4.907	7.4	22.5
3 22	13 49.83	−12 44.5	4.016	4.914	5.6	22.3
4 1	13 44.88	−12 13.6	3.959	4.922	3.5	22.2
4 11	13 39.39	−11 38.6	3.932	4.929	1.2	22.0
4 21	13 33.73	−11 1.4	3.935	4.936	1.1	22.0
5 1	13 28.30	−10 24.6	3.969	4.943	3.3	22.2
5 11	13 23.48	− 9 50.5	4.032	4.949	5.4	22.3
5 21	13 19.55	− 9 21.3	4.121	4.955	7.3	22.5

145419 2005 PW_{15} 4 15.9 10.°88 1.°3/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.81	−14 44.3	2.223	3.040	12.5	20.3
3 22	13 55.05	−14 45.3	2.139	3.040	9.6	20.1
4 1	13 48.45	−14 35.6	2.079	3.041	6.2	19.9
4 11	13 40.64	−14 16.8	2.046	3.041	2.6	19.7
4 21	13 32.39	−13 51.7	2.041	3.042	2.0	19.6
5 1	13 24.56	−13 24.1	2.064	3.042	5.5	19.8
5 11	13 17.93	−12 58.6	2.114	3.043	8.9	20.0
5 21	13 13.04	−12 38.9	2.188	3.044	12.0	20.2

225560 2000 SF_{365} 4 15.9 178.°23 1.°5/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.25	− 7 27.6	2.262	3.095	11.8	21.3
3 22	13 55.99	− 6 52.9	2.182	3.096	8.7	21.1
4 1	13 48.96	− 6 11.2	2.127	3.098	5.3	20.9
4 11	13 40.79	− 5 26.4	2.100	3.098	2.0	20.7
4 21	13 32.25	− 4 42.9	2.102	3.099	3.0	20.8
5 1	13 24.15	− 4 5.3	2.133	3.098	6.5	21.0
5 11	13 17.24	− 3 37.6	2.191	3.097	9.8	21.2
5 21	13 12.05	− 3 22.1	2.272	3.096	12.7	21.4

8267 1986 TX_3 4 15.9 164.°32 1.°7/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.92	− 8 1.9	1.810	2.647	14.0	18.9
3 22	13 58.36	− 7 24.2	1.736	2.652	10.5	18.7
4 1	13 50.58	− 6 37.4	1.686	2.657	6.4	18.4
4 11	13 41.35	− 5 46.2	1.662	2.661	2.3	18.2
4 21	13 31.67	− 4 56.4	1.667	2.664	3.4	18.3
5 1	13 22.60	− 4 13.9	1.699	2.666	7.6	18.5
5 11	13 15.08	− 3 43.6	1.757	2.668	11.6	18.8
5 21	13 9.71	− 3 28.3	1.838	2.670	14.9	19.0

145393 2005 NB_{43} 4 15.9 208.°56 0.°3/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.63	−11 12.8	2.673	3.496	10.5	21.0
3 22	13 53.12	−10 40.6	2.583	3.491	7.8	20.8
4 1	13 47.13	− 9 59.9	2.519	3.487	4.8	20.6
4 11	13 40.18	− 9 13.6	2.483	3.482	1.5	20.4
4 21	13 32.89	− 8 25.4	2.476	3.476	1.9	20.4
5 1	13 25.93	− 7 39.3	2.499	3.471	5.2	20.6
5 11	13 19.92	− 6 59.4	2.549	3.465	8.2	20.8
5 21	13 15.32	− 6 28.6	2.624	3.459	10.9	21.0

241619 1999 UU_{9} 4 15.9 196.°84 6.°7/21.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 10.60	−30 14.0	2.374	3.096	14.5	21.5
3 22	14 3.47	−31 8.4	2.273	3.092	12.3	21.4
4 1	13 53.89	−31 45.1	2.195	3.088	9.9	21.2
4 11	13 42.53	−32 1.0	2.142	3.082	7.7	21.0
4 21	13 30.35	−31 55.0	2.116	3.076	6.7	21.0
5 1	13 18.49	−31 29.0	2.120	3.069	7.6	21.0
5 11	13 8.06	−30 48.4	2.151	3.061	9.8	21.1
5 21	12 59.81	−30 0.2	2.206	3.052	12.3	21.3

265730 2005 UQ_{431} 4 15.9 62.°17 1.°1/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.91	− 9 53.3	1.669	2.514	14.7	21.0
3 22	13 55.47	− 9 14.9	1.604	2.524	10.9	20.8
4 1	13 48.82	− 8 25.2	1.561	2.533	6.6	20.6
4 11	13 40.77	− 7 29.4	1.544	2.543	2.2	20.3
4 21	13 32.31	− 6 33.6	1.554	2.553	3.1	20.4
5 1	13 24.53	− 5 44.4	1.591	2.563	7.5	20.7
5 11	13 18.33	− 5 7.4	1.652	2.573	11.5	20.9
5 21	13 14.28	− 4 45.6	1.735	2.583	15.0	21.2

182093 2000 JJ_{43} 4 15.9 46.°05 1.°3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.21	− 9 11.7	1.385	2.240	16.5	20.1
3 22	13 56.74	− 8 43.1	1.330	2.255	12.3	19.9
4 1	13 49.71	− 8 3.2	1.296	2.270	7.5	19.7
4 11	13 41.07	− 7 17.5	1.286	2.286	2.5	19.4
4 21	13 32.03	− 6 32.5	1.302	2.302	3.4	19.5
5 1	13 23.86	− 5 55.3	1.343	2.318	8.3	19.8
5 11	13 17.59	− 5 31.3	1.408	2.335	12.7	20.1
5 21	13 13.82	− 5 23.2	1.493	2.352	16.4	20.4

162676 2000 SO_{368} 4 15.9 211.°48 0.°3/16.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.27	−12 44.9	1.862	2.686	14.3	21.7
3 22	13 58.78	−12 26.3	1.773	2.680	10.9	21.5
4 1	13 50.97	−11 55.0	1.707	2.673	6.8	21.2
4 11	13 41.54	−11 13.9	1.667	2.666	2.4	20.9
4 21	13 31.49	−10 27.4	1.656	2.657	2.3	20.9
5 1	13 21.91	− 9 41.4	1.673	2.649	6.9	21.1
5 11	13 13.82	− 9 1.8	1.716	2.639	11.1	21.4
5 21	13 7.90	− 8 33.1	1.781	2.629	14.7	21.6

504178 2006 SS_{402} 4 15.9 179.°91 0.°1/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.11	−11 37.1	2.860	3.678	10.0	23.0
3 22	13 53.36	−11 9.4	2.774	3.679	7.5	22.8
4 1	13 47.23	−10 33.9	2.713	3.680	4.6	22.6
4 11	13 40.22	− 9 53.0	2.681	3.680	1.5	22.4
4 21	13 32.91	− 9 10.0	2.679	3.680	1.7	22.4
5 1	13 25.94	− 8 28.6	2.707	3.679	4.8	22.6
5 11	13 19.88	− 7 52.3	2.762	3.678	7.7	22.8
5 21	13 15.15	− 7 24.0	2.843	3.676	10.2	23.0

262047 2006 QN_{182} 4 15.9 283.°70 1.°6/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.29	− 8 42.2	1.578	2.427	15.2	21.8
3 22	13 57.00	− 8 10.2	1.485	2.407	11.5	21.5
4 1	13 50.12	− 7 26.4	1.413	2.387	7.1	21.2
4 11	13 41.33	− 6 35.2	1.367	2.366	2.5	20.8
4 21	13 31.68	− 5 42.9	1.347	2.346	3.6	20.8
5 1	13 22.42	− 4 56.9	1.354	2.326	8.6	21.1
5 11	13 14.76	− 4 23.6	1.384	2.305	13.3	21.3
5 21	13 9.49	− 4 7.3	1.435	2.285	17.5	21.5

376130 2011 AG_{46} 4 15.9 350.°82 8.°9/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.35	+ 8 13.5	1.552	2.419	14.4	20.2
3 22	13 53.74	+10 2.4	1.496	2.416	11.5	20.0
4 1	13 47.85	+11 47.0	1.463	2.414	9.3	19.9
4 11	13 40.49	+13 16.2	1.455	2.412	9.0	19.8
4 21	13 32.66	+14 20.7	1.471	2.411	10.8	19.9
5 1	13 25.49	+14 54.8	1.510	2.410	13.7	20.1
5 11	13 19.90	+14 57.3	1.569	2.409	16.6	20.3
5 21	13 16.51	+14 30.5	1.646	2.409	19.2	20.5

191783 2004 TX_{115} 4 15.9 251.°89 2.°7/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.32	− 6 15.5	2.081	2.925	12.2	20.8
3 22	13 54.08	− 5 0.6	1.989	2.910	9.1	20.5
4 1	13 47.95	− 3 35.7	1.922	2.895	5.6	20.3
4 11	13 40.52	− 2 7.0	1.883	2.879	2.9	20.1
4 21	13 32.59	− 0 41.3	1.873	2.862	4.4	20.1
5 1	13 25.02	+ 0 34.2	1.891	2.846	8.0	20.3
5 11	13 18.64	+ 1 34.0	1.935	2.829	11.5	20.5
5 21	13 14.03	+ 2 14.9	2.000	2.811	14.7	20.7

455851 2005 UF_{6} 4 15.9 182.°13 11.°4/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 19.91	+14 15.8	1.221	2.059	19.4	20.8
3 22	14 11.33	+14 46.7	1.161	2.060	16.0	20.6
4 1	13 59.02	+15 0.0	1.120	2.060	12.8	20.4
4 11	13 44.24	+14 44.7	1.103	2.060	11.4	20.3
4 21	13 28.80	+13 54.4	1.111	2.059	12.6	20.3
5 1	13 14.63	+12 28.9	1.143	2.058	15.8	20.5
5 11	13 3.30	+10 34.0	1.197	2.057	19.4	20.7
5 21	12 55.58	+ 8 18.6	1.269	2.055	22.8	21.0

422899 2002 RD_{119} 4 15.9 238.°01 6.°2/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.94	−26 54.6	2.051	2.809	15.4	21.8
3 22	14 1.05	−27 38.7	1.946	2.795	12.9	21.6
4 1	13 52.57	−28 4.9	1.863	2.780	10.0	21.4
4 11	13 42.17	−28 10.4	1.804	2.765	7.3	21.2
4 21	13 30.83	−27 54.5	1.772	2.749	6.2	21.1
5 1	13 19.78	−27 20.0	1.768	2.732	7.6	21.2
5 11	13 10.18	−26 33.0	1.790	2.715	10.5	21.3
5 21	13 2.90	−25 41.1	1.835	2.697	13.7	21.5

20505 1999 RE_{16} 4 15.9 280.°85 2.°2/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.67	−18 25.4	2.353	3.156	12.3	17.7
3 22	13 54.22	−18 24.6	2.259	3.148	9.7	17.5
4 1	13 47.99	−18 10.9	2.188	3.141	6.6	17.3
4 11	13 40.55	−17 45.3	2.143	3.133	3.4	17.1
4 21	13 32.63	−17 10.4	2.127	3.126	2.5	17.0
5 1	13 25.05	−16 30.1	2.139	3.119	5.3	17.2
5 11	13 18.59	−15 49.3	2.179	3.111	8.5	17.3
5 21	13 13.80	−15 12.7	2.242	3.104	11.5	17.5

458805 2011 SU_{219} 4 15.9 194.°06 0.°2/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.48	−13 16.5	1.718	2.549	15.0	22.2
3 22	13 57.52	−12 31.4	1.636	2.548	11.3	22.0
4 1	13 50.21	−11 30.6	1.577	2.546	7.1	21.7
4 11	13 41.31	−10 18.3	1.544	2.543	2.3	21.4
4 21	13 31.84	− 9 1.2	1.539	2.540	2.6	21.4
5 1	13 22.96	− 7 47.0	1.561	2.536	7.3	21.7
5 11	13 15.66	− 6 43.3	1.609	2.532	11.7	22.0
5 21	13 10.61	− 5 55.2	1.679	2.527	15.4	22.2

228327 2000 RN_{18} 4 15.9 196.°78 2.°0/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.66	−19 15.0	2.773	3.558	11.1	21.6
3 22	13 56.15	−19 0.9	2.674	3.554	8.7	21.4
4 1	13 49.04	−18 34.4	2.600	3.549	5.9	21.2
4 11	13 40.87	−17 56.5	2.555	3.543	3.1	21.0
4 21	13 32.30	−17 9.9	2.539	3.537	2.2	20.9
5 1	13 24.07	−16 18.4	2.553	3.530	4.7	21.1
5 11	13 16.85	−15 26.7	2.596	3.522	7.7	21.3
5 21	13 11.13	−14 39.1	2.665	3.513	10.4	21.4

182901 2002 EG_{26} 4 15.9 2.°25 4.°7/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.85	−25 40.2	2.379	3.146	13.3	19.6
3 22	13 55.17	−26 2.8	2.289	3.146	10.9	19.5
4 1	13 48.60	−26 9.1	2.222	3.146	8.2	19.3
4 11	13 40.76	−25 58.6	2.179	3.146	5.8	19.1
4 21	13 32.42	−25 32.5	2.164	3.146	4.7	19.1
5 1	13 24.47	−24 54.1	2.176	3.146	6.0	19.1
5 11	13 17.72	−24 8.7	2.215	3.146	8.5	19.3
5 21	13 12.74	−23 21.9	2.279	3.147	11.2	19.5

427074 2014 UV_{22} 4 15.9 214.°90 3.°0/13.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.11	− 4 6.5	1.940	2.782	13.0	21.9
3 22	13 57.75	− 3 20.7	1.856	2.775	9.7	21.7
4 1	13 50.25	− 2 28.9	1.796	2.767	6.1	21.5
4 11	13 41.32	− 1 36.3	1.764	2.758	3.2	21.3
4 21	13 31.85	− 0 48.8	1.760	2.749	4.5	21.3
5 1	13 22.84	− 0 11.9	1.783	2.740	8.2	21.5
5 11	13 15.22	+ 0 10.1	1.832	2.729	11.9	21.7
5 21	13 9.61	+ 0 15.4	1.903	2.718	15.2	21.9

365127 2009 DE_{16} 4 15.9 85.°13 3.°8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.62	− 4 33.3	1.450	2.307	15.8	21.1
3 22	13 57.63	− 3 25.9	1.398	2.325	11.6	20.9
4 1	13 50.19	− 2 11.3	1.368	2.342	7.2	20.7
4 11	13 41.26	− 0 57.8	1.364	2.359	3.9	20.5
4 21	13 32.01	+ 0 6.3	1.387	2.376	5.6	20.6
5 1	13 23.64	+ 0 53.9	1.435	2.393	9.7	20.9
5 11	13 17.14	+ 1 20.7	1.506	2.409	13.6	21.2
5 21	13 13.05	+ 1 26.0	1.598	2.426	17.0	21.4

430761 2004 RL_{93} 4 15.9 152.°41 1.°8/13.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.63	− 6 48.8	2.695	3.524	10.2	22.4
3 22	13 54.47	− 5 47.7	2.622	3.535	7.5	22.3
4 1	13 47.90	− 4 40.4	2.576	3.546	4.6	22.1
4 11	13 40.47	− 3 31.2	2.559	3.556	2.0	21.9
4 21	13 32.80	− 2 25.0	2.573	3.565	3.1	22.0
5 1	13 25.55	− 1 26.2	2.617	3.573	6.0	22.2
5 11	13 19.32	− 0 38.5	2.689	3.581	8.8	22.4
5 21	13 14.50	− 0 4.0	2.784	3.588	11.2	22.6

252987 2002 QA_{91} 4 15.9 285.°96 1.°8/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.26	− 6 53.0	1.563	2.412	15.3	20.4
3 22	13 58.45	− 6 38.1	1.476	2.398	11.5	20.2
4 1	13 51.00	− 6 15.1	1.412	2.384	7.1	19.9
4 11	13 41.64	− 5 48.3	1.372	2.371	2.6	19.5
4 21	13 31.48	− 5 22.7	1.359	2.357	3.7	19.6
5 1	13 21.80	− 5 4.1	1.372	2.344	8.6	19.8
5 11	13 13.78	− 4 57.5	1.410	2.330	13.2	20.1
5 21	13 8.22	− 5 5.5	1.468	2.317	17.2	20.3

14354 Kolesnikov 4 15.9 284.°69 2.°5/13.4 18

3 12	13 58.39	− 5 50.9	2.065	2.910	12.2	18.5
3 22	13 54.25	− 4 59.5	1.965	2.886	9.2	18.3
4 1	13 48.14	− 3 59.8	1.889	2.862	5.7	18.0
4 11	13 40.64	− 2 56.4	1.841	2.837	2.7	17.8
4 21	13 32.54	− 1 55.4	1.820	2.812	4.1	17.8
5 1	13 24.72	− 1 2.8	1.827	2.787	7.8	18.0
5 11	13 18.06	− 0 23.8	1.860	2.762	11.5	18.2
5 21	13 13.19	− 0 1.4	1.914	2.736	14.8	18.3

202865 2008 UQ_6 4 15.9 214.°31 3.°2/13.6 17

3 12	14 6.84	− 3 18.3	1.719	2.561	14.4	21.1
3 22	14 0.82	− 2 48.9	1.636	2.555	10.8	20.9
4 1	13 52.29	− 2 14.7	1.577	2.547	6.8	20.6
4 11	13 42.04	− 1 40.8	1.544	2.539	3.5	20.4
4 21	13 31.11	− 1 13.0	1.539	2.531	4.8	20.5
5 1	13 20.73	− 0 56.4	1.562	2.521	8.9	20.7
5 11	13 11.99	− 0 54.8	1.610	2.511	13.0	20.9
5 21	13 5.60	− 1 9.4	1.678	2.500	16.6	21.1

473180 2015 KM_{64} 4 15.9 353.°79 3.°0/12.8 17

3 12	13 57.28	− 3 50.7	2.082	2.932	12.0	20.9
3 22	13 53.19	− 2 55.9	2.008	2.931	8.9	20.6
4 1	13 47.32	− 1 55.8	1.959	2.931	5.6	20.4
4 11	13 40.32	− 0 55.7	1.936	2.930	3.1	20.3
4 21	13 32.94	− 0 1.5	1.942	2.930	4.5	20.4
5 1	13 26.03	+ 0 41.7	1.975	2.930	7.7	20.6
5 11	13 20.31	+ 1 10.1	2.034	2.930	11.0	20.8
5 21	13 16.30	+ 1 22.0	2.114	2.930	13.8	21.0

209555 2004 VM_{112} 4 15.9 219.°65 1.°1/16.8 16

3 12	14 4.64	−14 52.0	1.850	2.668	14.6	21.7
3 22	13 59.16	−14 40.0	1.757	2.659	11.2	21.4
4 1	13 51.28	−14 13.8	1.687	2.650	7.3	21.2
4 11	13 41.71	−13 35.5	1.644	2.640	2.9	20.9
4 21	13 31.44	−12 48.9	1.628	2.629	2.3	20.8
5 1	13 21.62	−11 59.7	1.640	2.618	6.7	21.1
5 11	13 13.31	−11 14.7	1.678	2.605	11.0	21.3
5 21	13 7.21	−10 39.0	1.740	2.593	14.7	21.5

351224 2004 PZ_{14} 4 15.9 321.°58 4.°0/19.0 16

3 12	14 0.70	−20 59.9	2.051	2.847	14.1	19.7
3 22	13 56.16	−21 34.3	1.952	2.833	11.4	19.5
4 1	13 49.43	−21 54.7	1.876	2.819	8.2	19.3
4 11	13 41.11	−22 0.2	1.825	2.805	5.2	19.1
4 21	13 32.06	−21 51.5	1.800	2.792	4.1	19.0
5 1	13 23.32	−21 31.8	1.803	2.779	6.4	19.1
5 11	13 15.86	−21 6.0	1.832	2.767	9.7	19.3
5 21	13 10.41	−20 39.7	1.884	2.755	13.0	19.4

406877 2009 CJ_{29} 4 15.9 55.°52 0.°7/15.4 18

3 12	14 2.91	−10 26.6	1.318	2.170	17.4	21.3
3 22	13 58.24	−10 5.7	1.258	2.181	13.0	21.1
4 1	13 50.78	− 9 31.8	1.220	2.193	8.0	20.8
4 11	13 41.52	− 8 49.5	1.206	2.205	2.6	20.5
4 21	13 31.76	− 8 5.6	1.217	2.217	3.2	20.6
5 1	13 22.89	− 7 27.4	1.253	2.230	8.4	20.9
5 11	13 16.07	− 7 1.0	1.312	2.243	13.1	21.2
5 21	13 11.93	− 6 50.2	1.391	2.256	17.1	21.5

437911 2002 AL_{43} 4 15.9 52.°82 13.°0/29.9 17

3 12	14 0.32	+30 51.5	2.124	2.913	14.0	20.7
3 22	13 55.42	+32 32.9	2.110	2.927	13.2	20.6
4 1	13 48.61	+33 51.1	2.117	2.942	13.0	20.6
4 11	13 40.71	+34 39.0	2.146	2.956	13.4	20.7
4 21	13 32.64	+34 53.4	2.194	2.971	14.3	20.8
5 1	13 25.32	+34 34.3	2.261	2.986	15.5	20.9
5 11	13 19.50	+33 44.8	2.344	3.001	16.6	21.0
5 21	13 15.63	+32 30.0	2.440	3.017	17.6	21.2

54940 2001 OQ_{107} 4 15.9 211.°01 2.°4/13.6 17

3 12	14 1.98	− 5 13.5	2.124	2.962	12.2	19.6
3 22	13 56.74	− 4 32.0	2.039	2.956	9.1	19.4
4 1	13 49.56	− 3 44.2	1.978	2.949	5.6	19.2
4 11	13 41.10	− 2 54.8	1.946	2.942	2.6	19.0
4 21	13 32.16	− 2 8.9	1.942	2.934	3.9	19.0
5 1	13 23.64	− 1 31.5	1.966	2.925	7.4	19.2
5 11	13 16.38	− 1 6.6	2.017	2.916	10.9	19.4
5 21	13 10.94	− 0 56.4	2.090	2.906	13.9	19.6

374407 2005 WO_{26} 4 15.9 142.°27 4.°9/21.2 17

	h m	° ′			°	m
3 12	14 1.29	−28 3.9	2.147	2.905	14.8	21.1
3 22	13 56.34	−27 53.1	2.063	2.913	12.2	20.9
4 1	13 49.34	−27 20.5	2.000	2.921	9.2	20.7
4 11	13 41.02	−26 26.4	1.962	2.928	6.4	20.6
4 21	13 32.29	−25 13.6	1.951	2.935	4.9	20.5
5 1	13 24.12	−23 48.0	1.969	2.942	6.2	20.6
5 11	13 17.39	−22 17.4	2.014	2.948	9.0	20.8
5 21	13 12.64	−20 49.5	2.083	2.954	12.0	21.0

106223 2000 UX_{38} 4 15.9 271.°37 0.°1/15.9 17

3 12	13 57.20	−12 34.3	2.375	3.200	11.5	19.7
3 22	13 53.08	−12 0.9	2.278	3.187	8.7	19.5
4 1	13 47.28	−11 16.6	2.206	3.173	5.4	19.3
4 11	13 40.35	−10 24.5	2.161	3.159	1.8	19.0
4 21	13 32.96	− 9 28.6	2.145	3.146	1.9	19.0
5 1	13 25.89	− 8 34.0	2.157	3.132	5.6	19.2
5 11	13 19.86	− 7 45.5	2.196	3.118	9.1	19.4
5 21	13 15.39	− 7 7.0	2.260	3.104	12.1	19.6

68758 2002 EB_{87} 4 15.9 16.°33 2.°7/14.1 18

3 12	13 58.04	− 7 26.4	1.096	1.972	18.4	18.3
3 22	13 55.03	− 6 43.5	1.040	1.976	13.7	18.0
4 1	13 48.99	− 5 48.1	1.003	1.981	8.3	17.8
4 11	13 40.98	− 4 48.1	0.989	1.988	3.3	17.5
4 21	13 32.36	− 3 52.6	0.998	1.996	4.9	17.6
5 1	13 24.66	− 3 10.9	1.030	2.004	10.2	17.9
5 11	13 19.13	− 2 49.2	1.083	2.014	15.2	18.2
5 21	13 16.44	− 2 49.6	1.154	2.025	19.4	18.5

431989 2008 UE_{251} 4 15.9 233.°96 0.°4/16.3 17

3 12	13 59.93	−13 27.5	2.169	2.991	12.6	21.9
3 22	13 55.25	−13 4.2	2.077	2.983	9.6	21.7
4 1	13 48.68	−12 29.1	2.010	2.975	6.0	21.5
4 11	13 40.82	−11 45.0	1.969	2.966	2.2	21.2
4 21	13 32.47	−10 55.8	1.956	2.958	2.0	21.1
5 1	13 24.50	−10 6.8	1.972	2.949	5.9	21.4
5 11	13 17.73	− 9 23.1	2.015	2.939	9.6	21.6
5 21	13 12.74	− 8 48.9	2.081	2.930	12.8	21.8

65916 1998 FJ_{36} 4 15.9 104.°93 3.°3/13.1 18

3 12	14 1.19	− 5 49.7	1.553	2.407	15.1	18.9
3 22	13 56.56	− 4 40.0	1.491	2.417	11.2	18.7
4 1	13 49.57	− 3 21.2	1.453	2.426	6.9	18.4
4 11	13 41.11	− 2 0.9	1.440	2.436	3.4	18.3
4 21	13 32.24	− 0 47.6	1.454	2.445	5.1	18.4
5 1	13 24.11	+ 0 11.1	1.494	2.454	9.2	18.6
5 11	13 17.68	+ 0 50.1	1.558	2.463	13.2	18.9
5 21	13 13.54	+ 1 7.7	1.643	2.471	16.6	19.1

334851 2003 UM_{50} 4 15.9 209.°62 1.°6/17.4 18

3 12	14 2.30	−16 9.1	2.481	3.283	11.8	21.0
3 22	13 56.84	−16 11.5	2.386	3.277	9.1	20.8
4 1	13 49.59	−16 3.0	2.315	3.271	6.0	20.6
4 11	13 41.12	−15 44.9	2.271	3.264	2.8	20.3
4 21	13 32.18	−15 19.5	2.257	3.257	2.1	20.3
5 1	13 23.57	−14 50.1	2.272	3.250	5.2	20.5
5 11	13 16.06	−14 21.2	2.315	3.241	8.4	20.7
5 21	13 10.20	−13 56.6	2.383	3.233	11.4	20.8

314072 2005 CQ_6 4 15.9 86.°51 14.°8/30.1 18

3 12	14 18.09	−47 7.4	1.744	2.371	21.8	20.1
3 22	14 10.75	−49 10.7	1.686	2.396	20.0	20.0
4 1	13 59.21	−50 41.3	1.643	2.420	18.1	19.9
4 11	13 44.53	−51 30.6	1.618	2.444	16.4	19.9
4 21	13 28.58	−51 33.6	1.612	2.468	15.2	19.8
5 1	13 13.64	−50 52.3	1.628	2.491	14.8	19.9
5 11	13 1.67	−49 36.3	1.663	2.513	15.3	20.0
5 21	12 53.73	−47 58.9	1.719	2.535	16.5	20.1

7462 Grenoble 4 15.9 100.°21 3.°6/18.4 18

3 12	14 5.85	−19 37.1	1.488	2.302	17.7	17.5
3 22	14 0.39	−19 50.6	1.420	2.314	13.9	17.3
4 1	13 52.13	−19 44.3	1.373	2.326	9.6	17.1
4 11	13 42.01	−19 18.9	1.349	2.338	5.3	16.8
4 21	13 31.30	−18 37.8	1.352	2.350	3.8	16.8
5 1	13 21.42	−17 47.7	1.381	2.361	7.4	17.0
5 11	13 13.54	−16 57.0	1.434	2.372	11.6	17.3
5 21	13 8.37	−16 12.9	1.509	2.383	15.5	17.5

232574 2003 SH_{324} 4 15.9 153.°65 1.°5/17.4 17

3 12	14 0.57	−16 43.5	2.234	3.042	12.7	21.3
3 22	13 55.62	−16 30.0	2.152	3.047	9.8	21.1
4 1	13 48.84	−16 3.5	2.093	3.051	6.4	20.9
4 11	13 40.86	−15 26.0	2.061	3.055	2.9	20.7
4 21	13 32.48	−14 40.8	2.058	3.059	2.1	20.6
5 1	13 24.57	−13 52.8	2.084	3.063	5.4	20.9
5 11	13 17.89	−13 7.2	2.137	3.066	8.9	21.1
5 21	13 12.98	−12 28.5	2.213	3.069	11.9	21.3

37496 1287 $T\text{-}_2$ 4 15.9 137.°86 2.°1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.65	− 6 29.7	2.415	3.255	10.9	20.0
3 22	13 52.48	− 5 26.9	2.341	3.260	8.0	19.8
4 1	13 46.79	− 4 17.5	2.292	3.264	4.9	19.6
4 11	13 40.15	− 3 6.0	2.272	3.269	2.3	19.4
4 21	13 33.23	− 1 58.0	2.281	3.273	3.5	19.5
5 1	13 26.72	− 0 58.4	2.319	3.277	6.5	19.7
5 11	13 21.26	− 0 11.4	2.383	3.280	9.5	19.9
5 21	13 17.27	+ 0 21.0	2.471	3.284	12.1	20.1

374543 2006 BR_{81} 4 15.9 110.°16 0.°9/15.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.84	− 9 15.1	2.046	2.878	12.8	21.5
3 22	13 56.55	− 8 49.8	1.978	2.891	9.6	21.3
4 1	13 49.38	− 8 16.2	1.934	2.904	5.8	21.1
4 11	13 41.02	− 7 38.0	1.918	2.917	1.9	20.9
4 21	13 32.35	− 6 59.8	1.930	2.929	2.6	20.9
5 1	13 24.25	− 6 26.1	1.971	2.942	6.4	21.2
5 11	13 17.51	− 6 1.2	2.038	2.953	10.0	21.4
5 21	13 12.64	− 5 47.6	2.128	2.965	13.0	21.7

269567 Bakhtinov 4 15.9 207.°02 2.°3/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.23	− 4 5.3	2.293	3.126	11.6	21.2
3 22	13 57.54	− 3 39.7	2.206	3.121	8.7	21.0
4 1	13 50.01	− 3 10.0	2.145	3.115	5.4	20.8
4 11	13 41.26	− 2 40.0	2.113	3.108	2.6	20.6
4 21	13 32.06	− 2 13.8	2.109	3.101	3.6	20.6
5 1	13 23.27	− 1 55.3	2.135	3.093	6.9	20.8
5 11	13 15.65	− 1 47.4	2.187	3.085	10.2	21.0
5 21	13 9.77	− 1 51.7	2.263	3.076	13.1	21.2

50915 2000 GG_{56} 4 15.9 111.°34 1.°2/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.94	− 8 45.0	2.158	2.994	12.1	18.6
3 22	13 54.35	− 8 7.6	2.085	3.001	9.0	18.4
4 1	13 48.02	− 7 22.0	2.036	3.007	5.5	18.2
4 11	13 40.58	− 6 32.4	2.015	3.014	1.9	17.9
4 21	13 32.80	− 5 43.4	2.022	3.020	2.8	18.0
5 1	13 25.51	− 5 0.2	2.058	3.026	6.4	18.3
5 11	13 19.43	− 4 26.8	2.119	3.032	9.8	18.5
5 21	13 15.06	− 4 5.9	2.204	3.038	12.7	18.7

95280 2002 CD_{79} 4 15.9 121.°38 1.°4/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.41	−15 37.4	1.767	2.582	15.3	20.7
3 22	14 0.27	−15 26.7	1.701	2.601	11.7	20.5
4 1	13 51.79	−15 1.2	1.657	2.618	7.5	20.3
4 11	13 41.85	−14 23.4	1.639	2.635	3.2	20.1
4 21	13 31.52	−13 37.8	1.649	2.651	2.3	20.1
5 1	13 21.94	−12 50.2	1.688	2.666	6.5	20.4
5 11	13 14.09	−12 7.2	1.752	2.680	10.5	20.6
5 21	13 8.54	−11 33.5	1.840	2.694	14.0	20.9

471366 2011 SX_{44} 4 15.9 108.°66 1.°3/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.59	− 8 59.8	2.486	3.320	10.8	21.7
3 22	13 52.37	− 8 1.0	2.415	3.331	8.0	21.5
4 1	13 46.69	− 6 54.3	2.370	3.341	4.8	21.3
4 11	13 40.12	− 5 44.1	2.353	3.351	1.8	21.1
4 21	13 33.30	− 4 35.3	2.366	3.362	2.7	21.2
5 1	13 26.91	− 3 32.9	2.407	3.372	5.9	21.4
5 11	13 21.55	− 2 41.2	2.476	3.381	8.9	21.6
5 21	13 17.63	− 2 2.6	2.568	3.391	11.5	21.8

171301 2006 HS_{13} 4 15.9 260.°30 1.°5/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.74	− 8 9.8	1.674	2.516	14.8	20.4
3 22	13 58.74	− 7 44.1	1.580	2.499	11.2	20.2
4 1	13 51.18	− 7 8.3	1.509	2.481	6.9	19.9
4 11	13 41.76	− 6 26.6	1.464	2.462	2.4	19.6
4 21	13 31.51	− 5 44.4	1.445	2.444	3.5	19.6
5 1	13 21.66	− 5 8.1	1.454	2.425	8.3	19.8
5 11	13 13.36	− 4 43.5	1.488	2.405	12.8	20.0
5 21	13 7.41	− 4 34.1	1.542	2.385	16.8	20.2

262214 2006 SF_{224} 4 15.9 224.°80 0.°1/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.27	−13 10.0	1.772	2.606	14.5	21.2
3 22	13 55.86	−12 27.2	1.689	2.601	11.0	21.0
4 1	13 49.20	−11 29.3	1.627	2.596	6.8	20.7
4 11	13 41.04	−10 20.5	1.592	2.591	2.3	20.4
4 21	13 32.32	− 9 7.0	1.585	2.586	2.5	20.4
5 1	13 24.12	− 7 56.0	1.605	2.580	7.1	20.7
5 11	13 17.40	− 6 54.9	1.650	2.575	11.3	20.9
5 21	13 12.80	− 6 8.6	1.718	2.569	15.0	21.2

136973 1998 RM_{50} 4 15.9 234.°69 0.°6/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.14	−13 31.1	2.007	2.826	13.5	20.9
3 22	13 57.89	−13 15.8	1.910	2.814	10.4	20.6
4 1	13 50.45	−12 48.1	1.836	2.801	6.6	20.4
4 11	13 41.48	−12 10.4	1.789	2.787	2.4	20.1
4 21	13 31.84	−11 26.5	1.771	2.772	2.1	20.0
5 1	13 22.58	−10 41.6	1.781	2.757	6.4	20.2
5 11	13 14.66	−10 1.5	1.817	2.742	10.5	20.5
5 21	13 8.74	− 9 30.8	1.877	2.726	14.0	20.6

505289 2012 VA_{98} 4 15.9 98.°21 3.°8/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.97	−26 35.1	2.370	3.136	13.3	20.9
3 22	13 53.63	−26 4.5	2.288	3.146	10.8	20.8
4 1	13 47.56	−25 14.1	2.228	3.157	8.0	20.6
4 11	13 40.43	−24 5.4	2.194	3.167	5.2	20.4
4 21	13 33.00	−22 42.1	2.188	3.177	3.8	20.4
5 1	13 26.08	−21 9.9	2.210	3.187	5.3	20.5
5 11	13 20.38	−19 36.0	2.261	3.197	8.1	20.7
5 21	13 16.38	−18 7.0	2.338	3.207	10.9	20.9

211862 2004 GN_{27} 4 15.9 320.°27 5.°6/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.87	+ 4 41.3	2.117	2.970	11.6	19.9
3 22	13 53.62	+ 5 45.4	2.048	2.967	9.0	19.7
4 1	13 47.61	+ 6 48.0	2.005	2.964	6.6	19.6
4 11	13 40.46	+ 7 42.7	1.988	2.961	5.6	19.5
4 21	13 32.95	+ 8 23.8	1.998	2.958	7.0	19.6
5 1	13 25.90	+ 8 47.0	2.034	2.955	9.6	19.7
5 11	13 20.05	+ 8 50.5	2.094	2.952	12.3	19.9
5 21	13 15.89	+ 8 34.6	2.174	2.949	14.8	20.1

512964 2017 SV_{36} 4 15.9 231.°06 7.°6/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.45	−33 0.4	2.196	2.919	15.5	21.7
3 22	13 59.10	−33 41.5	2.095	2.909	13.4	21.5
4 1	13 51.33	−34 1.5	2.014	2.899	11.0	21.3
4 11	13 41.81	−33 57.3	1.956	2.889	8.8	21.2
4 21	13 31.48	−33 28.3	1.923	2.878	7.6	21.1
5 1	13 21.52	−32 37.1	1.917	2.867	8.2	21.1
5 11	13 13.00	−31 30.1	1.937	2.855	10.2	21.2
5 21	13 6.71	−30 15.5	1.980	2.843	12.8	21.3

215792 2004 MS_3 4 15.9 305.°94 2.°3/18.3 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.06	−20 7.2	2.139	2.945	13.3	19.8
3 22	13 52.53	−19 39.3	2.037	2.927	10.5	19.5
4 1	13 47.09	−18 53.7	1.956	2.910	7.2	19.3
4 11	13 40.34	−17 52.1	1.902	2.892	3.8	19.1
4 21	13 33.05	−16 38.3	1.875	2.875	2.5	18.9
5 1	13 26.09	−15 18.4	1.877	2.858	5.7	19.1
5 11	13 20.31	−13 59.4	1.905	2.841	9.3	19.3
5 21	13 16.29	−12 47.9	1.957	2.825	12.7	19.5

55223 Akiraifukube 4 15.9 114.°31 1.°7/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.35	− 7 33.1	1.911	2.749	13.4	19.3
3 22	13 57.04	− 6 57.1	1.846	2.763	9.9	19.1
4 1	13 49.72	− 6 13.3	1.804	2.776	6.0	18.9
4 11	13 41.17	− 5 26.5	1.790	2.789	2.2	18.6
4 21	13 32.27	− 4 41.8	1.804	2.801	3.3	18.7
5 1	13 24.01	− 4 4.6	1.846	2.813	7.2	19.0
5 11	13 17.21	− 3 38.9	1.914	2.825	10.8	19.2
5 21	13 12.38	− 3 27.1	2.004	2.836	13.9	19.5

423258 2004 TX_{282} 4 15.9 272.°16 5.°5/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.85	−25 5.5	1.989	2.763	15.3	20.9
3 22	13 58.79	−25 42.7	1.883	2.745	12.6	20.7
4 1	13 51.24	−26 2.5	1.798	2.726	9.6	20.5
4 11	13 41.81	−26 2.8	1.738	2.707	6.8	20.3
4 21	13 31.47	−25 43.5	1.704	2.687	5.6	20.2
5 1	13 21.39	−25 7.7	1.697	2.667	7.3	20.2
5 11	13 12.70	−24 21.4	1.716	2.648	10.5	20.4
5 21	13 6.26	−23 32.0	1.758	2.627	13.9	20.5

376194 2011 CQ_{71} 4 15.9 28.°64 7.°0/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.45	−24 9.7	1.434	2.234	19.0	19.8
3 22	14 0.44	−25 24.1	1.368	2.244	15.6	19.6
4 1	13 52.37	−26 17.5	1.321	2.256	11.8	19.4
4 11	13 42.18	−26 46.7	1.297	2.268	8.4	19.2
4 21	13 31.19	−26 51.1	1.298	2.280	7.0	19.2
5 1	13 20.98	−26 34.5	1.323	2.294	8.8	19.3
5 11	13 12.88	−26 4.9	1.371	2.308	12.2	19.5
5 21	13 7.71	−25 31.0	1.441	2.323	15.6	19.8

156579 2002 ES_{150} 4 15.9 214.°54 1.°0/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.96	− 8 59.9	2.088	2.922	12.6	20.1
3 22	13 56.04	− 8 33.0	2.004	2.918	9.4	19.9
4 1	13 49.18	− 7 57.6	1.943	2.914	5.8	19.6
4 11	13 41.02	− 7 17.2	1.910	2.909	1.9	19.4
4 21	13 32.40	− 6 36.3	1.905	2.904	2.7	19.4
5 1	13 24.21	− 5 59.8	1.929	2.899	6.6	19.6
5 11	13 17.28	− 5 32.3	1.978	2.893	10.3	19.8
5 21	13 12.18	− 5 16.5	2.051	2.888	13.4	20.0

457526 2008 WX_{46} 4 15.9 240.°49 1.°7/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.68	−17 16.7	1.726	2.542	15.6	21.9
3 22	13 58.72	−16 53.0	1.627	2.527	12.1	21.6
4 1	13 51.19	−16 10.6	1.550	2.511	8.0	21.3
4 11	13 41.79	−15 11.3	1.499	2.494	3.6	21.0
4 21	13 31.56	−13 59.6	1.475	2.476	2.5	20.9
5 1	13 21.74	−12 43.1	1.478	2.458	7.1	21.1
5 11	13 13.49	−11 30.3	1.507	2.439	11.7	21.3
5 21	13 7.62	−10 28.7	1.559	2.419	15.8	21.5

306389 1994 PO_3 4 15.9 249.°99 3.°4/11.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.19	− 0 35.8	2.774	3.616	9.6	21.5
3 22	13 52.83	+ 0 27.6	2.680	3.597	7.2	21.3
4 1	13 47.04	+ 1 34.3	2.612	3.578	4.8	21.2
4 11	13 40.29	+ 2 39.5	2.573	3.559	3.4	21.0
4 21	13 33.16	+ 3 38.6	2.564	3.539	4.6	21.1
5 1	13 26.29	+ 4 27.1	2.583	3.518	7.1	21.2
5 11	13 20.28	+ 5 1.8	2.629	3.497	9.7	21.4
5 21	13 15.58	+ 5 21.3	2.697	3.476	12.1	21.5

245694 2006 BQ_{167} 4 15.9 308.°02 2.°7/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.47	−16 38.8	1.307	2.146	18.3	20.3
3 22	13 57.76	−16 50.7	1.220	2.131	14.3	20.0
4 1	13 50.94	−16 43.9	1.153	2.117	9.7	19.7
4 11	13 41.78	−16 19.0	1.108	2.102	4.7	19.3
4 21	13 31.54	−15 39.5	1.087	2.088	3.4	19.2
5 1	13 21.79	−14 52.2	1.091	2.075	8.3	19.5
5 11	13 14.01	−14 6.3	1.117	2.061	13.6	19.7
5 21	13 9.17	−13 29.7	1.163	2.049	18.3	19.9

305352 2008 BZ_{12} 4 15.9 77.°12 0.°1/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.72	−12 19.6	2.256	3.081	12.0	21.3
3 22	13 54.12	−11 55.6	2.186	3.095	9.0	21.2
4 1	13 47.85	−11 21.9	2.141	3.108	5.6	21.0
4 11	13 40.55	−10 41.4	2.123	3.121	1.9	20.7
4 21	13 32.95	− 9 58.3	2.133	3.134	1.9	20.8
5 1	13 25.85	− 9 17.0	2.172	3.148	5.5	21.0
5 11	13 19.93	− 8 41.9	2.238	3.161	8.8	21.2
5 21	13 15.67	− 8 16.2	2.327	3.174	11.7	21.5

248341 2005 QA_{87} 4 15.9 226.°45 2.°3/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.19	− 6 2.6	2.801	3.636	9.7	20.7
3 22	13 52.03	− 4 36.8	2.710	3.627	7.1	20.5
4 1	13 46.51	− 3 3.4	2.647	3.618	4.4	20.3
4 11	13 40.10	− 1 27.6	2.614	3.608	2.4	20.1
4 21	13 33.39	+ 0 5.0	2.612	3.598	3.6	20.2
5 1	13 26.97	+ 1 29.1	2.640	3.587	6.4	20.4
5 11	13 21.42	+ 2 40.2	2.695	3.576	9.1	20.5
5 21	13 17.15	+ 3 35.7	2.774	3.565	11.5	20.7

297755 2001 XX_{80} 4 15.9 49.°10 3.°6/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.53	−21 15.5	1.272	2.100	19.4	20.0
3 22	13 56.74	−21 0.3	1.209	2.111	15.3	19.8
4 1	13 50.01	−20 18.8	1.165	2.122	10.5	19.5
4 11	13 41.35	−19 13.3	1.144	2.134	5.7	19.3
4 21	13 32.14	−17 50.2	1.146	2.146	3.9	19.2
5 1	13 23.83	−16 19.8	1.174	2.158	7.8	19.5
5 11	13 17.66	−14 53.7	1.225	2.171	12.5	19.8
5 21	13 14.27	−13 40.9	1.297	2.184	16.6	20.0

213360 2001 TO_{108} 4 15.9 242.°34 1.°0/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 51.01	−18 3.9	4.624	5.413	6.9	20.2
3 22	13 47.74	−17 32.2	4.524	5.408	5.3	20.1
4 1	13 43.68	−16 52.9	4.451	5.404	3.5	19.9
4 11	13 39.13	−16 7.6	4.408	5.399	1.7	19.8
4 21	13 34.42	−15 18.3	4.394	5.394	1.2	19.7
5 1	13 29.89	−14 27.3	4.411	5.389	2.8	19.9
5 11	13 25.86	−13 37.2	4.458	5.384	4.7	20.0
5 21	13 22.60	−12 50.3	4.531	5.379	6.4	20.1

470078 2006 SH_{343} 4 15.9 116.°67 1.°9/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.54	−17 18.9	2.483	3.283	11.8	21.8
3 22	13 55.44	−17 20.7	2.403	3.292	9.2	21.6
4 1	13 48.67	−17 11.2	2.347	3.301	6.1	21.4
4 11	13 40.84	−16 51.5	2.319	3.310	3.0	21.2
4 21	13 32.66	−16 24.1	2.319	3.319	2.2	21.2
5 1	13 24.91	−15 52.7	2.349	3.327	5.0	21.4
5 11	13 18.28	−15 21.5	2.406	3.335	8.0	21.6
5 21	13 13.26	−14 54.4	2.488	3.343	10.8	21.8

503694 2016 JJ_4 4 15.9 272.°12 1.°5/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.33	−18 4.3	1.893	2.710	14.3	21.1
3 22	13 54.42	−17 21.7	1.796	2.696	11.2	20.8
4 1	13 48.36	−16 19.8	1.721	2.682	7.4	20.6
4 11	13 40.81	−15 1.4	1.672	2.667	3.2	20.3
4 21	13 32.65	−13 31.9	1.651	2.652	2.2	20.2
5 1	13 24.91	−11 58.9	1.657	2.638	6.4	20.4
5 11	13 18.52	−10 31.1	1.690	2.623	10.6	20.6
5 21	13 14.14	− 9 15.4	1.746	2.608	14.3	20.8

37796 1997 WK_{13} 4 15.9 143.°23 1.°5/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.38	− 8 5.4	1.755	2.592	14.4	19.7
3 22	13 59.53	− 7 36.7	1.686	2.602	10.8	19.5
4 1	13 51.39	− 6 59.2	1.640	2.611	6.6	19.3
4 11	13 41.77	− 6 17.5	1.621	2.619	2.3	19.0
4 21	13 31.73	− 5 36.8	1.630	2.627	3.3	19.1
5 1	13 22.36	− 5 2.8	1.666	2.635	7.6	19.4
5 11	13 14.63	− 4 40.2	1.728	2.642	11.6	19.6
5 21	13 9.14	− 4 31.4	1.812	2.648	15.0	19.8

469851 2005 TS_{126} 4 15.9 221.°43 0.°1/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.98	−11 39.1	2.830	3.648	10.1	22.4
3 22	13 53.39	−11 15.4	2.735	3.640	7.6	22.2
4 1	13 47.37	−10 43.6	2.666	3.632	4.7	22.0
4 11	13 40.41	−10 6.2	2.625	3.624	1.6	21.8
4 21	13 33.10	− 9 26.3	2.614	3.615	1.7	21.8
5 1	13 26.08	− 8 47.5	2.633	3.606	4.9	22.0
5 11	13 19.95	− 8 13.5	2.680	3.597	7.8	22.2
5 21	13 15.16	− 7 47.2	2.751	3.587	10.4	22.3

17736 1998 BA_{12} 4 15.9 325.°36 3.°8/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.77	−20 47.3	1.626	2.439	16.5	17.6
3 22	13 55.87	−20 55.0	1.539	2.432	13.1	17.3
4 1	13 49.44	−20 43.0	1.473	2.425	9.3	17.1
4 11	13 41.21	−20 11.5	1.431	2.418	5.4	16.8
4 21	13 32.25	−19 23.5	1.414	2.411	3.9	16.7
5 1	13 23.79	−18 25.2	1.424	2.405	7.0	16.9
5 11	13 16.98	−17 24.7	1.458	2.400	11.2	17.1
5 21	13 12.56	−16 29.8	1.513	2.394	15.0	17.3

434928 2006 TE_{111} 4 15.9 141.°69 3.°5/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.37	− 2 33.7	2.325	3.174	10.9	21.8
3 22	13 52.35	− 1 17.6	2.254	3.176	8.1	21.6
4 1	13 46.77	+ 0 3.1	2.208	3.178	5.2	21.5
4 11	13 40.21	+ 1 22.4	2.191	3.180	3.5	21.4
4 21	13 33.35	+ 2 34.4	2.203	3.182	4.8	21.4
5 1	13 26.90	+ 3 33.9	2.242	3.184	7.7	21.6
5 11	13 21.52	+ 4 17.1	2.307	3.186	10.5	21.8
5 21	13 17.65	+ 4 42.8	2.394	3.188	13.0	22.0

18683 1998 FB_{111} 4 15.9 317.°89 4.°2/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.94	−22 55.2	1.976	2.771	14.6	17.4
3 22	13 54.21	−23 7.2	1.874	2.753	11.9	17.2
4 1	13 48.30	−23 1.3	1.794	2.736	8.7	16.9
4 11	13 40.82	−22 37.1	1.739	2.719	5.6	16.7
4 21	13 32.64	−21 56.5	1.710	2.702	4.3	16.6
5 1	13 24.79	−21 3.9	1.707	2.686	6.4	16.7
5 11	13 18.25	−20 6.1	1.730	2.670	9.9	16.9
5 21	13 13.72	−19 9.8	1.777	2.655	13.3	17.0

123267 2000 UK_{82} 4 15.9 85.°26 2.°8/18.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.03	−21 24.6	1.944	2.742	14.8	19.1
3 22	13 56.10	−20 58.7	1.879	2.763	11.6	18.9
4 1	13 49.17	−20 14.2	1.836	2.785	7.9	18.7
4 11	13 41.01	−19 13.3	1.818	2.806	4.3	18.5
4 21	13 32.57	−18 0.8	1.829	2.827	3.0	18.5
5 1	13 24.82	−16 43.5	1.867	2.847	5.8	18.7
5 11	13 18.56	−15 28.8	1.932	2.868	9.3	18.9
5 21	13 14.31	−14 22.6	2.022	2.888	12.5	19.2

423455 2005 SV_{107} 4 15.9 177.°94 0.°9/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.93	−14 30.0	2.276	3.087	12.5	23.1
3 22	13 57.38	−14 17.2	2.191	3.089	9.5	22.9
4 1	13 49.96	−13 53.0	2.129	3.090	6.1	22.7
4 11	13 41.31	−13 19.7	2.095	3.091	2.4	22.4
4 21	13 32.22	−12 40.5	2.090	3.091	1.9	22.4
5 1	13 23.58	−11 59.9	2.114	3.091	5.6	22.6
5 11	13 16.16	−11 22.8	2.166	3.090	9.1	22.8
5 21	13 10.53	−10 53.0	2.242	3.088	12.1	23.0

470264 2007 BL_4 4 15.9 162.°24 7.°5/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.98	−43 44.4	3.466	4.074	12.0	22.5
3 22	13 58.03	−44 21.4	3.372	4.081	10.8	22.4
4 1	13 50.32	−44 40.1	3.297	4.087	9.6	22.3
4 11	13 41.43	−44 38.3	3.244	4.092	8.4	22.2
4 21	13 32.09	−44 15.4	3.216	4.097	7.6	22.1
5 1	13 23.12	−43 33.1	3.214	4.101	7.5	22.1
5 11	13 15.26	−42 35.3	3.237	4.105	8.1	22.2
5 21	13 9.05	−41 27.1	3.285	4.109	9.2	22.3

394206 2006 SK_{167} 4 15.9 104.°35 3.°5/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.30	−20 57.4	2.259	3.047	13.3	21.3
3 22	13 57.06	−21 23.3	2.172	3.048	10.6	21.1
4 1	13 49.85	−21 35.4	2.108	3.049	7.6	20.9
4 11	13 41.30	−21 33.6	2.070	3.051	4.7	20.7
4 21	13 32.23	−21 19.2	2.059	3.052	3.6	20.6
5 1	13 23.56	−20 55.5	2.078	3.053	5.7	20.8
5 11	13 16.14	−20 27.3	2.123	3.054	8.8	21.0
5 21	13 10.58	−19 59.4	2.192	3.056	11.7	21.1

433607 2013 YW_{78} 4 15.9 217.°48 2.°0/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.27	− 5 48.2	2.285	3.122	11.5	21.6
3 22	13 55.37	− 5 14.0	2.200	3.116	8.6	21.4
4 1	13 48.71	− 4 34.0	2.140	3.110	5.3	21.1
4 11	13 40.90	− 3 52.1	2.107	3.104	2.3	20.9
4 21	13 32.66	− 3 12.7	2.104	3.097	3.3	21.0
5 1	13 24.81	− 2 40.4	2.129	3.091	6.7	21.2
5 11	13 18.09	− 2 18.7	2.180	3.083	10.0	21.4
5 21	13 13.03	− 2 9.7	2.254	3.076	12.9	21.6

140220 2001 SH_{238} 4 15.9 114.°38 3.°4/12.0 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.58	− 1 55.8	2.390	3.235	10.8	20.0
3 22	13 53.16	− 0 52.0	2.325	3.246	8.0	19.9
4 1	13 47.22	+ 0 15.0	2.287	3.256	5.1	19.7
4 11	13 40.36	+ 1 19.6	2.277	3.266	3.4	19.6
4 21	13 33.25	+ 2 16.9	2.295	3.276	4.6	19.7
5 1	13 26.59	+ 3 2.3	2.342	3.285	7.3	19.9
5 11	13 21.00	+ 3 32.9	2.414	3.295	10.1	20.1
5 21	13 16.92	+ 3 47.6	2.509	3.304	12.5	20.2

455990 2005 WT_{157} 4 15.9 196.°41 4.°5/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.05	− 0 55.8	1.776	2.622	13.9	21.9
3 22	13 59.36	+ 0 1.4	1.700	2.620	10.4	21.7
4 1	13 51.36	+ 1 2.5	1.649	2.617	6.8	21.5
4 11	13 41.81	+ 2 0.5	1.624	2.613	4.5	21.3
4 21	13 31.73	+ 2 48.7	1.627	2.608	6.0	21.4
5 1	13 22.23	+ 3 21.1	1.657	2.602	9.6	21.6
5 11	13 14.28	+ 3 34.4	1.711	2.596	13.3	21.8
5 21	13 8.54	+ 3 27.9	1.786	2.589	16.5	22.0

50802 2000 FH_{27} 4 15.9 255.°01 0.°1/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.92	−12 40.1	2.231	3.056	12.2	19.3
3 22	13 54.49	−12 14.5	2.138	3.046	9.2	19.1
4 1	13 48.24	−11 38.0	2.069	3.036	5.8	18.9
4 11	13 40.76	−10 53.3	2.027	3.025	2.0	18.6
4 21	13 32.80	−10 4.4	2.014	3.015	2.0	18.6
5 1	13 25.20	− 9 16.4	2.029	3.005	5.8	18.8
5 11	13 18.73	− 8 34.3	2.071	2.994	9.4	19.0
5 21	13 13.97	− 8 2.0	2.136	2.983	12.6	19.2

73196 2002 JZ_{10} 4 15.9 69.°18 5.°9/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.18	+ 0 21.9	1.442	2.307	15.4	19.2
3 22	13 56.74	+ 1 38.6	1.384	2.313	11.6	18.9
4 1	13 49.81	+ 2 58.1	1.349	2.319	7.9	18.7
4 11	13 41.29	+ 4 11.0	1.339	2.325	5.9	18.6
4 21	13 32.32	+ 5 8.6	1.354	2.331	7.6	18.7
5 1	13 24.12	+ 5 44.1	1.394	2.337	11.3	19.0
5 11	13 17.72	+ 5 54.6	1.456	2.343	15.0	19.2
5 21	13 13.71	+ 5 40.7	1.536	2.349	18.3	19.4

410161 2007 KS_4 4 15.9 277.°66 0.°4/16.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.76	−14 22.2	1.438	2.279	16.8	22.1
3 22	13 56.94	−13 45.4	1.346	2.261	12.9	21.8
4 1	13 50.29	−12 48.7	1.274	2.243	8.2	21.5
4 11	13 41.57	−11 35.5	1.226	2.225	2.9	21.1
4 21	13 31.91	−10 12.7	1.204	2.206	2.8	21.0
5 1	13 22.71	− 8 49.7	1.208	2.187	8.4	21.3
5 11	13 15.25	− 7 36.7	1.236	2.169	13.6	21.5
5 21	13 10.43	− 6 41.1	1.283	2.150	18.1	21.7

380628 2004 TO_{349} 4 15.9 188.°45 0.°5/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.10	−11 16.6	2.465	3.286	11.3	22.0
3 22	13 55.12	−10 38.0	2.378	3.285	8.4	21.8
4 1	13 48.50	− 9 49.8	2.316	3.284	5.2	21.6
4 11	13 40.82	− 8 55.5	2.283	3.282	1.7	21.4
4 21	13 32.77	− 7 59.2	2.279	3.279	2.1	21.4
5 1	13 25.11	− 7 5.7	2.305	3.276	5.6	21.6
5 11	13 18.53	− 6 19.6	2.359	3.272	8.9	21.8
5 21	13 13.51	− 5 44.1	2.436	3.268	11.7	22.0

133981 2004 TZ_{263} 4 15.9 182.°41 0.°9/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.85	−14 27.4	1.840	2.659	14.6	21.3
3 22	13 59.25	−14 11.2	1.757	2.660	11.2	21.0
4 1	13 51.31	−13 41.0	1.697	2.661	7.2	20.8
4 11	13 41.81	−12 59.5	1.664	2.661	2.8	20.5
4 21	13 31.74	−12 10.9	1.658	2.660	2.2	20.5
5 1	13 22.23	−11 21.2	1.681	2.658	6.6	20.8
5 11	13 14.26	−10 36.7	1.729	2.656	10.8	21.0
5 21	13 8.51	−10 2.3	1.801	2.653	14.4	21.2

89307 2001 VO_{34} 4 15.9 193.°17 0.°1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.14	−12 58.9	2.293	3.111	12.1	19.6
3 22	13 56.04	−12 25.3	2.204	3.109	9.2	19.4
4 1	13 49.14	−11 40.3	2.141	3.106	5.7	19.2
4 11	13 41.05	−10 47.2	2.105	3.103	1.9	18.9
4 21	13 32.54	− 9 50.1	2.098	3.099	2.0	18.9
5 1	13 24.44	− 8 54.3	2.121	3.095	5.8	19.1
5 11	13 17.52	− 8 5.0	2.171	3.090	9.3	19.4
5 21	13 12.31	− 7 26.0	2.245	3.084	12.3	19.5

299285 2005 OL_{31} 4 15.9 206.°10 4.°8/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.41	+ 7 56.0	3.063	3.897	9.0	21.5
3 22	13 54.27	+ 8 42.0	2.987	3.891	7.0	21.3
4 1	13 47.84	+ 9 24.8	2.937	3.885	5.4	21.2
4 11	13 40.58	+10 0.0	2.917	3.878	4.8	21.2
4 21	13 33.04	+10 24.1	2.925	3.870	5.8	21.2
5 1	13 25.82	+10 34.7	2.961	3.862	7.6	21.3
5 11	13 19.46	+10 30.5	3.023	3.854	9.6	21.5
5 21	13 14.35	+10 11.9	3.107	3.845	11.5	21.6

470662 2008 SD_{175} 4 15.9 271.°82 1.°6/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.52	−17 11.5	1.967	2.783	13.9	21.9
3 22	13 55.30	−16 48.3	1.867	2.766	10.8	21.6
4 1	13 48.93	−16 8.8	1.789	2.749	7.2	21.4
4 11	13 41.05	−15 14.9	1.736	2.731	3.2	21.1
4 21	13 32.50	−14 10.7	1.712	2.713	2.3	21.0
5 1	13 24.31	−13 2.4	1.715	2.695	6.2	21.2
5 11	13 17.42	−11 57.1	1.745	2.677	10.3	21.4
5 21	13 12.51	−11 0.8	1.797	2.659	14.0	21.6

498076 2007 RY_{181} 4 15.9 71.°00 1.°3/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.01	−11 0.0	2.074	2.909	12.6	21.4
3 22	13 53.61	− 9 42.8	2.018	2.934	9.3	21.2
4 1	13 47.52	− 8 15.0	1.987	2.958	5.6	21.0
4 11	13 40.46	− 6 42.5	1.984	2.983	1.9	20.8
4 21	13 33.22	− 5 11.9	2.011	3.008	2.9	20.9
5 1	13 26.59	− 3 50.1	2.066	3.032	6.5	21.2
5 11	13 21.25	− 2 42.3	2.147	3.057	9.8	21.4
5 21	13 17.60	− 1 51.3	2.252	3.081	12.7	21.7

148096 1999 JF_{90} 4 15.9 5.°73 6.°1/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 52.38	− 3 19.0	1.219	2.103	16.3	18.9
3 22	13 50.54	− 1 11.6	1.162	2.103	12.1	18.7
4 1	13 46.16	+ 1 6.7	1.128	2.104	8.0	18.4
4 11	13 40.12	+ 3 22.5	1.118	2.107	6.1	18.3
4 21	13 33.57	+ 5 21.7	1.132	2.110	8.5	18.5
5 1	13 27.76	+ 6 52.7	1.169	2.115	12.6	18.7
5 11	13 23.72	+ 7 49.6	1.227	2.122	16.7	19.0
5 21	13 22.06	+ 8 12.2	1.302	2.129	20.2	19.2

451465 2011 UK_{16} 4 15.9 79.°07 0.°7/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.82	−14 22.1	1.449	2.285	17.0	21.6
3 22	13 58.70	−13 56.0	1.392	2.304	12.9	21.4
4 1	13 51.00	−13 13.3	1.356	2.324	8.1	21.2
4 11	13 41.69	−12 18.3	1.345	2.343	3.0	20.9
4 21	13 32.01	−11 17.5	1.360	2.362	2.5	20.9
5 1	13 23.23	−10 18.8	1.402	2.381	7.4	21.3
5 11	13 16.40	− 9 29.5	1.468	2.400	11.9	21.6
5 21	13 12.09	− 8 54.5	1.555	2.419	15.7	21.8

379726 2011 GV_{45} 4 15.9 255.°03 2.°3/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.02	− 6 51.1	1.895	2.742	13.1	21.1
3 22	13 54.76	− 5 59.2	1.816	2.738	9.8	20.9
4 1	13 48.49	− 4 58.6	1.761	2.733	6.0	20.7
4 11	13 40.88	− 3 54.5	1.732	2.729	2.6	20.5
4 21	13 32.79	− 2 53.3	1.731	2.725	3.9	20.5
5 1	13 25.19	− 2 1.2	1.757	2.721	7.7	20.7
5 11	13 18.92	− 1 23.2	1.808	2.716	11.5	21.0
5 21	13 14.57	− 1 2.0	1.881	2.712	14.7	21.2

125621 2001 XW_{56} 4 15.9 3.°76 2.°6/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.28	− 6 51.3	1.088	1.963	18.5	18.7
3 22	13 56.14	− 6 21.7	1.026	1.962	13.9	18.4
4 1	13 49.86	− 5 40.8	0.984	1.962	8.5	18.1
4 11	13 41.42	− 4 55.6	0.964	1.963	3.4	17.8
4 21	13 32.25	− 4 14.4	0.966	1.965	4.9	17.9
5 1	13 23.93	− 3 45.6	0.992	1.968	10.3	18.2
5 11	13 17.82	− 3 35.3	1.038	1.972	15.5	18.5
5 21	13 14.67	− 3 45.7	1.102	1.977	19.9	18.8

475747 2006 WR_{105} 4 15.9 198.°71 1.°4/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.38	− 6 57.8	2.807	3.636	9.8	22.7
3 22	13 53.66	− 6 25.7	2.720	3.633	7.3	22.5
4 1	13 47.54	− 5 48.1	2.660	3.630	4.4	22.3
4 11	13 40.52	− 5 8.3	2.628	3.626	1.7	22.1
4 21	13 33.18	− 4 29.7	2.626	3.622	2.6	22.2
5 1	13 26.15	− 3 56.0	2.654	3.617	5.5	22.4
5 11	13 20.04	− 3 30.3	2.709	3.612	8.3	22.5
5 21	13 15.26	− 3 14.5	2.788	3.607	10.8	22.7

456705 2007 RZ_{251} 4 15.9 153.°68 0.°4/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.26	−14 35.2	1.747	2.573	15.0	21.4
3 22	13 57.32	−13 52.2	1.671	2.579	11.4	21.2
4 1	13 50.11	−12 53.0	1.618	2.585	7.1	20.9
4 11	13 41.42	−11 41.9	1.592	2.590	2.5	20.7
4 21	13 32.27	−10 25.1	1.593	2.594	2.3	20.6
5 1	13 23.74	− 9 10.3	1.622	2.598	6.9	20.9
5 11	13 16.81	− 8 4.9	1.676	2.602	11.1	21.2
5 21	13 12.06	− 7 13.9	1.753	2.605	14.7	21.4

141785 2002 ND_{14} 4 15.9 260.°51 1.°5/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.74	− 8 59.4	1.769	2.609	14.2	20.7
3 22	13 57.13	− 8 19.1	1.674	2.592	10.7	20.5
4 1	13 50.16	− 7 27.1	1.602	2.574	6.6	20.2
4 11	13 41.50	− 6 27.9	1.557	2.556	2.3	19.9
4 21	13 32.11	− 5 27.7	1.539	2.537	3.4	19.9
5 1	13 23.10	− 4 33.3	1.548	2.518	8.0	20.1
5 11	13 15.53	− 3 51.2	1.582	2.498	12.3	20.3
5 21	13 10.12	− 3 25.3	1.638	2.478	16.1	20.5

471403 2011 SP_{181} 4 15.9 235.°29 1.°2/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.90	−17 37.1	2.587	3.392	11.3	21.7
3 22	13 52.76	−16 55.5	2.490	3.383	8.7	21.5
4 1	13 47.08	−16 0.2	2.417	3.375	5.7	21.3
4 11	13 40.38	−14 53.6	2.372	3.366	2.5	21.1
4 21	13 33.31	−13 39.7	2.356	3.357	1.7	21.0
5 1	13 26.58	−12 23.8	2.370	3.348	4.9	21.2
5 11	13 20.83	−11 11.3	2.412	3.339	8.1	21.4
5 21	13 16.54	−10 7.1	2.479	3.329	11.0	21.6

461424 2001 UQ_{199} 4 15.9 131.°93 1.°1/16.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.06	−12 43.5	1.870	2.689	14.4	21.4
3 22	14 0.85	−13 4.6	1.792	2.695	11.0	21.2
4 1	13 52.30	−13 15.8	1.737	2.700	7.1	21.0
4 11	13 42.17	−13 18.4	1.709	2.706	2.8	20.7
4 21	13 31.48	−13 14.6	1.709	2.711	2.3	20.7
5 1	13 21.37	−13 8.0	1.738	2.716	6.4	21.0
5 11	13 12.83	−13 2.9	1.793	2.720	10.4	21.2
5 21	13 6.52	−13 3.0	1.872	2.725	13.9	21.4

391674 2008 AP_{11} 4 15.9 58.°57 4.°1/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.98	−24 36.4	2.311	3.086	13.4	20.9
3 22	13 54.57	−24 40.2	2.222	3.087	10.8	20.8
4 1	13 48.31	−24 26.9	2.156	3.088	8.0	20.6
4 11	13 40.82	−23 56.7	2.114	3.088	5.3	20.4
4 21	13 32.87	−23 11.8	2.100	3.089	4.1	20.3
5 1	13 25.34	−22 16.5	2.114	3.090	5.7	20.4
5 11	13 19.02	−21 16.7	2.155	3.090	8.5	20.6
5 21	13 14.45	−20 18.3	2.221	3.091	11.3	20.8

206774 2004 CZ_{64} 4 15.9 33.°11 2.°0/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.11	− 6 4.2	1.838	2.685	13.4	20.0
3 22	13 55.53	− 5 41.8	1.771	2.692	10.0	19.8
4 1	13 48.92	− 5 13.4	1.727	2.699	6.1	19.6
4 11	13 41.01	− 4 43.2	1.709	2.707	2.4	19.4
4 21	13 32.71	− 4 16.0	1.719	2.715	3.5	19.5
5 1	13 24.99	− 3 56.4	1.755	2.723	7.3	19.7
5 11	13 18.69	− 3 47.9	1.817	2.732	11.0	20.0
5 21	13 14.37	− 3 52.3	1.901	2.741	14.2	20.2

133129 2003 PV_4 4 15.9 230.°86 0.°1/16.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.09	−12 41.0	2.044	2.863	13.3	21.5
3 22	13 58.62	−12 15.1	1.944	2.849	10.2	21.3
4 1	13 50.96	−11 36.8	1.868	2.833	6.4	21.0
4 11	13 41.76	−10 48.9	1.819	2.817	2.2	20.7
4 21	13 31.88	− 9 55.8	1.798	2.800	2.2	20.7
5 1	13 22.36	− 9 3.0	1.807	2.781	6.6	20.9
5 11	13 14.14	− 8 16.5	1.843	2.762	10.6	21.1
5 21	13 7.92	− 7 41.0	1.901	2.742	14.2	21.3

502110 2015 BR 4 15.9 157.°98 3.°2/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.74	−20 39.7	2.188	2.974	13.7	21.7
3 22	13 58.89	−20 49.3	2.104	2.981	10.8	21.5
4 1	13 50.98	−20 43.9	2.043	2.987	7.6	21.3
4 11	13 41.72	−20 23.8	2.009	2.993	4.4	21.1
4 21	13 31.97	−19 51.3	2.003	2.998	3.3	21.0
5 1	13 22.72	−19 10.5	2.026	3.003	5.8	21.2
5 11	13 14.83	−18 27.2	2.077	3.007	9.0	21.4
5 21	13 8.91	−17 46.7	2.152	3.010	12.1	21.6

129785 1999 JF_{64} 4 15.9 310.°05 8.°3/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.20	+ 5 56.0	1.271	2.137	17.0	19.1
3 22	14 0.77	+ 6 38.5	1.180	2.105	13.5	18.8
4 1	13 52.99	+ 7 17.8	1.110	2.073	10.1	18.5
4 11	13 42.62	+ 7 43.6	1.062	2.041	8.3	18.3
4 21	13 30.90	+ 7 46.7	1.038	2.010	10.1	18.2
5 1	13 19.50	+ 7 20.2	1.037	1.979	14.3	18.4
5 11	13 10.04	+ 6 22.4	1.056	1.949	18.9	18.5
5 21	13 3.61	+ 4 56.2	1.092	1.920	23.2	18.7

314663 2006 QH_{15} 4 15.9 207.°84 3.°1/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.98	−20 27.6	1.885	2.685	15.1	21.0
3 22	13 57.96	−20 22.1	1.795	2.681	11.9	20.7
4 1	13 50.60	−19 58.5	1.726	2.676	8.3	20.5
4 11	13 41.64	−19 17.6	1.684	2.671	4.6	20.3
4 21	13 32.04	−18 22.5	1.668	2.666	3.3	20.2
5 1	13 22.93	−17 19.3	1.680	2.660	6.4	20.3
5 11	13 15.32	−16 15.3	1.719	2.654	10.3	20.6
5 21	13 9.90	−15 17.3	1.781	2.647	13.9	20.8

61754 2000 QP_{159} 4 15.9 45.°76 1.°8/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 57.71	−10 20.1	1.546	2.398	15.3	18.4
3 22	13 54.04	− 9 8.0	1.484	2.408	11.3	18.2
4 1	13 48.10	− 7 41.9	1.445	2.419	6.8	17.9
4 11	13 40.75	− 6 9.0	1.431	2.430	2.4	17.7
4 21	13 33.02	− 4 38.1	1.444	2.441	3.8	17.8
5 1	13 25.99	− 3 17.9	1.483	2.453	8.2	18.1
5 11	13 20.58	− 2 15.5	1.546	2.465	12.4	18.3
5 21	13 17.34	− 1 34.1	1.631	2.477	15.9	18.6

297902 2002 CR_{267} 4 15.9 148.°50 2.°4/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.23	−19 47.1	2.745	3.531	11.2	21.6
3 22	13 55.14	−19 51.5	2.659	3.537	8.8	21.5
4 1	13 48.50	−19 44.2	2.597	3.543	6.1	21.3
4 11	13 40.86	−19 25.9	2.563	3.548	3.5	21.1
4 21	13 32.87	−18 58.7	2.557	3.553	2.5	21.1
5 1	13 25.25	−18 25.7	2.581	3.558	4.7	21.2
5 11	13 18.63	−17 51.1	2.633	3.563	7.4	21.4
5 21	13 13.50	−17 18.8	2.711	3.567	9.9	21.6

420933 2013 OQ_2 4 15.9 157.°86 11.°5/ 1.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.54	+26 49.4	2.283	3.077	12.9	21.4
3 22	13 58.51	+28 26.1	2.251	3.085	11.9	21.3
4 1	13 50.59	+29 44.2	2.242	3.091	11.5	21.3
4 11	13 41.54	+30 36.6	2.256	3.098	11.8	21.3
4 21	13 32.24	+30 58.8	2.294	3.103	12.8	21.4
5 1	13 23.62	+30 49.8	2.352	3.108	14.1	21.5
5 11	13 16.44	+30 11.9	2.428	3.113	15.5	21.6
5 21	13 11.18	+29 9.5	2.520	3.116	16.8	21.8

333429 2003 QJ_{29} 4 15.9 238.°98 1.°7/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.17	−17 26.9	2.420	3.220	12.1	21.4
3 22	13 56.16	−17 15.7	2.315	3.205	9.4	21.2
4 1	13 49.31	−16 51.7	2.234	3.189	6.3	21.0
4 11	13 41.19	−16 16.1	2.181	3.173	3.0	20.7
4 21	13 32.52	−15 31.6	2.156	3.157	2.1	20.6
5 1	13 24.14	−14 42.7	2.161	3.139	5.3	20.8
5 11	13 16.84	−13 54.5	2.194	3.122	8.7	21.0
5 21	13 11.21	−13 11.6	2.251	3.103	11.8	21.1

388989 2008 UR_{78} 4 15.9 184.°24 2.°3/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.45	− 5 49.0	2.182	3.022	11.8	21.6
3 22	13 54.80	− 5 0.9	2.104	3.023	8.8	21.4
4 1	13 48.40	− 4 6.4	2.051	3.022	5.4	21.2
4 11	13 40.85	− 3 10.0	2.026	3.022	2.5	21.0
4 21	13 32.92	− 2 17.1	2.029	3.021	3.7	21.1
5 1	13 25.43	− 1 32.7	2.061	3.020	7.0	21.3
5 11	13 19.13	− 1 0.8	2.118	3.019	10.4	21.5
5 21	13 14.53	− 0 43.5	2.198	3.018	13.2	21.7

341880 2008 GT_{87} 4 15.9 281.°99 0.°8/17.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 57.62	−13 47.2	4.352	5.147	7.2	20.4
3 22	13 52.71	−14 1.0	4.247	5.137	5.5	20.2
4 1	13 46.83	−14 10.0	4.169	5.126	3.6	20.1
4 11	13 40.29	−14 14.8	4.121	5.116	1.6	19.9
4 21	13 33.50	−14 16.4	4.105	5.105	1.2	19.9
5 1	13 26.85	−14 16.3	4.119	5.095	3.2	20.0
5 11	13 20.75	−14 16.2	4.163	5.084	5.2	20.2
5 21	13 15.53	−14 17.6	4.235	5.073	7.0	20.3

468473 2004 RV_{153} 4 15.9 278.°71 2.°2/17.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.05	−18 17.3	2.031	2.836	13.9	21.8
3 22	13 57.36	−18 6.5	1.913	2.805	11.0	21.5
4 1	13 50.36	−17 39.4	1.817	2.772	7.5	21.3
4 11	13 41.64	−16 56.7	1.748	2.739	3.7	21.0
4 21	13 32.03	−16 1.3	1.706	2.706	2.6	20.8
5 1	13 22.59	−14 58.4	1.692	2.671	6.4	21.0
5 11	13 14.37	−13 55.0	1.705	2.637	10.6	21.1
5 21	13 8.17	−12 57.8	1.741	2.601	14.4	21.3

102914 1999 XT_{22} 4 15.9 150.°38 1.°3/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.84	− 8 34.0	1.951	2.783	13.4	20.3
3 22	13 58.23	− 8 0.1	1.878	2.792	10.0	20.1
4 1	13 50.57	− 7 17.5	1.830	2.800	6.1	19.9
4 11	13 41.59	− 6 30.5	1.809	2.808	2.1	19.7
4 21	13 32.22	− 5 44.2	1.817	2.815	3.0	19.7
5 1	13 23.43	− 5 4.0	1.853	2.821	7.0	20.0
5 11	13 16.09	− 4 34.3	1.915	2.827	10.7	20.2
5 21	13 10.76	− 4 18.0	2.000	2.832	13.9	20.5

431447 2007 RE_{140} 4 15.9 270.°97 0.°6/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.83	−13 25.4	2.124	2.945	12.8	21.5
3 22	13 56.15	−13 14.1	2.022	2.927	9.8	21.3
4 1	13 49.43	−12 51.3	1.943	2.908	6.3	21.0
4 11	13 41.28	−12 19.3	1.892	2.889	2.4	20.8
4 21	13 32.48	−11 41.4	1.868	2.870	2.0	20.7
5 1	13 23.98	−11 2.3	1.873	2.850	6.1	20.9
5 11	13 16.67	−10 27.2	1.904	2.831	9.9	21.1
5 21	13 11.20	−10 0.4	1.959	2.811	13.4	21.3

269611 2010 CQ_{191} 4 15.9 93.°54 0.°5/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 55.90	−13 46.7	3.238	4.048	9.1	22.0
3 22	13 51.63	−13 28.7	3.163	4.062	6.9	21.9
4 1	13 46.22	−13 3.3	3.113	4.075	4.3	21.7
4 11	13 40.10	−12 32.2	3.092	4.089	1.7	21.5
4 21	13 33.77	−11 58.2	3.101	4.102	1.3	21.5
5 1	13 27.77	−11 24.1	3.139	4.116	4.0	21.7
5 11	13 22.56	−10 53.0	3.206	4.129	6.5	21.9
5 21	13 18.49	−10 27.3	3.298	4.142	8.7	22.1

457374 2008 TE_{24} 4 15.9 181.°62 0.°7/16.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.05	−14 27.3	1.749	2.570	15.1	22.7
3 22	13 59.53	−14 3.7	1.667	2.572	11.6	22.5
4 1	13 51.58	−13 25.1	1.608	2.572	7.4	22.2
4 11	13 41.99	−12 34.3	1.575	2.572	2.8	21.9
4 21	13 31.82	−11 36.5	1.570	2.571	2.3	21.9
5 1	13 22.23	−10 38.3	1.593	2.570	6.9	22.2
5 11	13 14.28	− 9 46.8	1.641	2.568	11.2	22.4
5 21	13 8.63	− 9 7.1	1.712	2.565	15.0	22.6

75449 1999 XH_{137} 4 15.9 18.°17 9.°4/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.87	+15 15.4	1.920	2.761	13.2	19.3
3 22	13 56.78	+16 25.8	1.867	2.761	11.1	19.2
4 1	13 49.67	+17 24.9	1.837	2.762	9.6	19.1
4 11	13 41.29	+18 4.8	1.832	2.763	9.5	19.0
4 21	13 32.57	+18 20.1	1.852	2.764	10.7	19.1
5 1	13 24.49	+18 8.2	1.895	2.765	12.8	19.3
5 11	13 17.87	+17 30.0	1.960	2.766	15.0	19.4
5 21	13 13.24	+16 28.8	2.043	2.767	17.1	19.6

125086 2001 UJ_{15} 4 15.9 251.°83 6.°6/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.76	+ 8 29.4	2.211	3.048	11.8	20.2
3 22	13 58.93	+ 9 26.8	2.121	3.026	9.5	20.0
4 1	13 51.08	+10 20.6	2.056	3.003	7.4	19.8
4 11	13 41.82	+11 4.2	2.018	2.979	6.7	19.7
4 21	13 31.97	+11 31.7	2.008	2.954	8.0	19.7
5 1	13 22.45	+11 39.0	2.025	2.929	10.5	19.8
5 11	13 14.15	+11 24.7	2.066	2.903	13.3	20.0
5 21	13 7.69	+10 49.6	2.128	2.876	15.9	20.1

155292 2005 XT_{64} 4 15.9 196.°03 1.°0/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.79	− 9 44.9	2.313	3.140	11.7	20.9
3 22	13 55.78	− 9 1.7	2.226	3.137	8.8	20.7
4 1	13 49.01	− 8 9.3	2.165	3.134	5.4	20.5
4 11	13 41.09	− 7 11.4	2.131	3.130	1.8	20.2
4 21	13 32.76	− 6 12.9	2.127	3.126	2.6	20.3
5 1	13 24.83	− 5 18.9	2.152	3.120	6.2	20.5
5 11	13 18.05	− 4 34.1	2.205	3.115	9.6	20.7
5 21	13 12.93	− 4 1.7	2.280	3.108	12.6	20.9

248345 2005 QF_{108} 4 15.9 275.°12 1.°9/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.51	− 7 18.4	2.303	3.144	11.3	20.2
3 22	13 52.60	− 6 22.5	2.217	3.136	8.4	20.0
4 1	13 47.06	− 5 18.6	2.156	3.129	5.1	19.8
4 11	13 40.43	− 4 11.2	2.123	3.121	2.2	19.6
4 21	13 33.42	− 3 5.7	2.119	3.113	3.3	19.6
5 1	13 26.76	− 2 7.5	2.143	3.105	6.7	19.8
5 11	13 21.17	− 1 21.1	2.193	3.097	9.9	20.0
5 21	13 17.12	− 0 49.4	2.267	3.090	12.8	20.2

399402 2001 SM_{345} 4 15.9 301.°01 6.°1/20.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.67	−24 33.8	1.300	2.115	19.7	20.6
3 22	13 56.84	−24 50.2	1.198	2.087	16.4	20.3
4 1	13 50.70	−24 39.1	1.113	2.058	12.3	19.9
4 11	13 41.93	−23 57.0	1.049	2.030	8.1	19.6
4 21	13 31.72	−22 44.7	1.008	2.001	6.1	19.4
5 1	13 21.78	−21 8.9	0.991	1.973	9.1	19.5
5 11	13 13.78	−19 22.6	0.995	1.946	14.1	19.6
5 21	13 8.91	−17 39.5	1.020	1.918	19.2	19.8

222342 2000 WX_9 4 15.9 64.°22 0.°1/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.72	−14 5.2	1.705	2.538	14.9	20.1
3 22	13 55.30	−13 14.9	1.647	2.559	11.2	19.9
4 1	13 48.78	−12 9.5	1.612	2.580	6.9	19.7
4 11	13 40.99	−10 54.4	1.603	2.602	2.3	19.5
4 21	13 32.92	− 9 36.3	1.622	2.623	2.3	19.5
5 1	13 25.60	− 8 22.8	1.668	2.645	6.7	19.8
5 11	13 19.84	− 7 20.6	1.739	2.666	10.7	20.1
5 21	13 16.16	− 6 33.9	1.833	2.687	14.0	20.4

66861 1999 VN_{31} 4 15.9 192.°27 0.°1/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.30	−12 37.2	2.734	3.546	10.5	21.0
3 22	13 55.17	−12 6.9	2.643	3.544	8.0	20.8
4 1	13 48.54	−11 27.4	2.577	3.541	5.0	20.6
4 11	13 40.92	−10 41.2	2.540	3.538	1.7	20.4
4 21	13 32.95	− 9 52.0	2.533	3.534	1.7	20.4
5 1	13 25.32	− 9 3.7	2.556	3.529	5.0	20.6
5 11	13 18.66	− 8 20.5	2.607	3.523	8.0	20.8
5 21	13 13.43	− 7 45.5	2.683	3.517	10.7	20.9

246940 1999 RK_{51} 4 15.9 239.°37 0.°4/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.95	−13 45.5	1.925	2.746	14.0	21.0
3 22	13 57.92	−13 17.7	1.826	2.732	10.7	20.8
4 1	13 50.62	−12 35.7	1.751	2.716	6.8	20.5
4 11	13 41.71	−11 42.4	1.702	2.700	2.4	20.2
4 21	13 32.10	−10 42.3	1.681	2.683	2.2	20.1
5 1	13 22.86	− 9 41.9	1.689	2.665	6.7	20.4
5 11	13 15.00	− 8 47.8	1.722	2.646	11.0	20.6
5 21	13 9.21	− 8 5.2	1.779	2.627	14.7	20.8

297647 2001 TK_{199} 4 15.9 208.°42 2.°7/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.08	− 2 36.4	2.878	3.714	9.4	22.4
3 22	13 53.43	− 1 44.2	2.792	3.708	7.0	22.2
4 1	13 47.43	− 0 48.6	2.732	3.700	4.5	22.0
4 11	13 40.54	+ 0 6.5	2.702	3.693	2.7	21.9
4 21	13 33.34	+ 0 56.9	2.701	3.685	3.8	21.9
5 1	13 26.44	+ 1 38.7	2.730	3.676	6.3	22.1
5 11	13 20.41	+ 2 9.1	2.786	3.667	8.9	22.2
5 21	13 15.66	+ 2 26.5	2.865	3.657	11.2	22.4

507340 2011 UF_{93} 4 15.9 278.°04 0.°3/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.39	−15 1.7	2.279	3.099	12.1	21.5
3 22	13 52.61	−14 8.4	2.182	3.088	9.2	21.3
4 1	13 47.12	−13 0.8	2.110	3.076	5.8	21.0
4 11	13 40.48	−11 42.3	2.066	3.064	2.1	20.7
4 21	13 33.40	−10 18.0	2.050	3.052	1.9	20.7
5 1	13 26.67	− 8 54.4	2.063	3.040	5.7	20.9
5 11	13 21.04	− 7 37.8	2.104	3.028	9.3	21.1
5 21	13 17.01	− 6 33.1	2.168	3.016	12.4	21.3

22937 Nataliavella 4 15.9 224.°43 2.°4/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.47	− 6 16.5	1.703	2.550	14.3	19.3
3 22	13 57.61	− 5 36.1	1.624	2.545	10.7	19.1
4 1	13 50.41	− 4 47.3	1.568	2.540	6.6	18.8
4 11	13 41.62	− 3 55.5	1.538	2.535	2.8	18.6
4 21	13 32.25	− 3 6.8	1.535	2.530	4.1	18.6
5 1	13 23.42	− 2 27.7	1.559	2.524	8.4	18.9
5 11	13 16.14	− 2 3.0	1.608	2.519	12.5	19.1
5 21	13 11.08	− 1 55.3	1.678	2.513	16.0	19.3

470220 2006 WD_{49} 4 15.9 219.°56 1.°6/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.56	−18 33.2	2.618	3.417	11.3	21.1
3 22	13 53.28	−18 4.9	2.523	3.411	8.8	20.9
4 1	13 47.43	−17 23.3	2.452	3.406	5.9	20.7
4 11	13 40.57	−16 30.4	2.408	3.400	2.9	20.5
4 21	13 33.34	−15 29.4	2.393	3.394	1.9	20.4
5 1	13 26.44	−14 25.0	2.408	3.387	4.8	20.6
5 11	13 20.53	−13 22.3	2.451	3.381	7.9	20.7
5 21	13 16.09	−12 26.0	2.519	3.374	10.7	20.9

142291 Dompfaff 4 15.9 246.°64 2.°3/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.83	−17 52.9	1.836	2.647	14.9	21.3
3 22	13 57.98	−17 48.3	1.740	2.635	11.7	21.0
4 1	13 50.74	−17 27.3	1.666	2.623	7.9	20.8
4 11	13 41.78	−16 51.0	1.617	2.610	3.9	20.5
4 21	13 32.07	−16 2.7	1.596	2.596	2.7	20.4
5 1	13 22.77	−15 8.0	1.602	2.583	6.6	20.6
5 11	13 14.94	−14 14.2	1.635	2.569	10.8	20.8
5 21	13 9.32	−13 27.6	1.690	2.554	14.6	21.0

173294 1999 TB_{223} 4 15.9 191.°66 3.°2/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.74	−20 53.6	1.941	2.736	14.9	21.0
3 22	13 58.47	−20 50.1	1.853	2.735	11.8	20.7
4 1	13 50.91	−20 28.7	1.786	2.733	8.2	20.5
4 11	13 41.80	−19 50.1	1.745	2.731	4.7	20.3
4 21	13 32.09	−18 57.5	1.731	2.728	3.3	20.2
5 1	13 22.87	−17 56.3	1.746	2.725	6.3	20.4
5 11	13 15.15	−16 53.9	1.787	2.721	10.0	20.6
5 21	13 9.57	−15 56.8	1.852	2.717	13.5	20.8

344263 2001 SZ_{323} 4 15.9 178.°21 2.°9/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.98	−22 46.1	2.659	3.435	11.8	21.4
3 22	13 54.32	−22 32.5	2.567	3.437	9.4	21.3
4 1	13 48.08	−22 4.1	2.499	3.437	6.7	21.1
4 11	13 40.79	−21 21.8	2.457	3.438	4.1	20.9
4 21	13 33.15	−20 28.3	2.444	3.438	3.0	20.8
5 1	13 25.88	−19 27.7	2.461	3.438	4.8	20.9
5 11	13 19.65	−18 25.2	2.505	3.437	7.6	21.1
5 21	13 14.94	−17 25.9	2.575	3.437	10.2	21.3

501031 2013 RP_{70} 4 15.9 255.°06 2.°8/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.70	−18 15.1	1.912	2.718	14.6	21.8
3 22	13 58.59	−18 28.5	1.814	2.705	11.6	21.6
4 1	13 51.11	−18 27.3	1.739	2.693	7.9	21.3
4 11	13 41.91	−18 11.8	1.690	2.679	4.2	21.1
4 21	13 31.95	−17 44.0	1.667	2.666	3.1	21.0
5 1	13 22.35	−17 8.2	1.673	2.652	6.5	21.1
5 11	13 14.16	−16 30.7	1.705	2.638	10.4	21.3
5 21	13 8.15	−15 57.1	1.759	2.624	14.1	21.5

499121 2009 HJ_{105} 4 15.9 337.°09 1.°0/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.58	− 9 25.0	1.281	2.141	17.3	21.5
3 22	13 56.94	− 9 12.1	1.206	2.133	13.1	21.2
4 1	13 50.36	− 8 47.0	1.150	2.125	8.1	20.9
4 11	13 41.70	− 8 13.8	1.118	2.118	2.7	20.6
4 21	13 32.20	− 7 38.9	1.110	2.111	3.4	20.6
5 1	13 23.32	− 7 9.2	1.127	2.105	8.9	20.9
5 11	13 16.39	− 6 51.6	1.165	2.100	14.0	21.1
5 21	13 12.23	− 6 49.8	1.223	2.096	18.4	21.4

282790 2006 ME_{12} 4 15.9 227.°98 1.°8/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.42	−15 44.7	2.025	2.832	13.9	21.7
3 22	14 0.49	−15 54.4	1.926	2.820	10.8	21.5
4 1	13 52.22	−15 51.9	1.850	2.807	7.2	21.2
4 11	13 42.28	−15 37.8	1.801	2.794	3.3	20.9
4 21	13 31.59	−15 14.5	1.780	2.781	2.4	20.8
5 1	13 21.25	−14 46.1	1.788	2.766	6.3	21.1
5 11	13 12.28	−14 17.8	1.823	2.751	10.3	21.3
5 21	13 5.43	−13 54.6	1.882	2.735	13.8	21.4

99743 2002 JP_{69} 4 15.9 292.°02 5.°5/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.33	− 0 25.8	1.457	2.321	15.4	19.5
3 22	13 57.26	+ 0 36.1	1.372	2.301	11.7	19.2
4 1	13 50.49	+ 1 43.7	1.310	2.280	7.9	18.9
4 11	13 41.75	+ 2 48.4	1.271	2.260	5.5	18.7
4 21	13 32.14	+ 3 41.6	1.258	2.240	7.4	18.8
5 1	13 22.98	+ 4 15.2	1.270	2.219	11.5	19.0
5 11	13 15.50	+ 4 24.4	1.303	2.199	15.8	19.1
5 21	13 10.54	+ 4 8.5	1.355	2.179	19.7	19.3

47915 2000 GG_{91} 4 15.9 125.°54 4.°2/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.49	+ 0 29.4	1.916	2.759	13.1	18.4
3 22	13 59.41	+ 1 4.3	1.854	2.771	9.9	18.2
4 1	13 51.27	+ 1 39.5	1.817	2.783	6.5	18.0
4 11	13 41.87	+ 2 9.8	1.807	2.795	4.3	17.9
4 21	13 32.15	+ 2 30.2	1.825	2.806	5.5	18.0
5 1	13 23.09	+ 2 37.0	1.871	2.817	8.6	18.2
5 11	13 15.55	+ 2 28.3	1.942	2.828	11.9	18.4
5 21	13 10.05	+ 2 4.2	2.034	2.837	14.7	18.6

375118 2007 TW_{410} 4 15.9 88.°09 6.°0/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.56	+ 7 8.5	2.211	3.057	11.5	20.6
3 22	13 55.45	+ 8 8.3	2.163	3.074	9.0	20.4
4 1	13 48.70	+ 9 3.6	2.140	3.091	6.8	20.3
4 11	13 40.98	+ 9 48.2	2.144	3.108	6.0	20.3
4 21	13 33.06	+10 17.6	2.175	3.125	7.2	20.4
5 1	13 25.72	+10 28.8	2.233	3.142	9.4	20.6
5 11	13 19.63	+10 21.1	2.314	3.159	11.8	20.7
5 21	13 15.22	+ 9 55.7	2.417	3.175	13.9	20.9

95038 2002 AN_{27} 4 15.9 47.°83 6.°4/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.13	−26 0.6	1.695	2.476	17.2	19.4
3 22	13 59.16	−26 46.6	1.620	2.484	14.2	19.2
4 1	13 51.53	−27 11.5	1.565	2.492	10.9	19.0
4 11	13 42.06	−27 13.2	1.534	2.500	7.8	18.9
4 21	13 31.91	−26 52.5	1.527	2.508	6.4	18.8
5 1	13 22.39	−26 13.8	1.546	2.517	7.9	18.9
5 11	13 14.65	−25 24.5	1.590	2.526	10.9	19.1
5 21	13 9.44	−24 33.1	1.657	2.535	14.1	19.3

25140 Schmedemann 4 15.9 245.°58 1.°6/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.51	− 7 29.4	1.956	2.791	13.2	19.6
3 22	13 58.28	− 7 0.9	1.860	2.775	10.0	19.3
4 1	13 50.83	− 6 24.1	1.788	2.759	6.1	19.0
4 11	13 41.83	− 5 42.8	1.744	2.742	2.3	18.8
4 21	13 32.15	− 5 2.0	1.727	2.724	3.3	18.8
5 1	13 22.83	− 4 27.1	1.739	2.706	7.4	19.0
5 11	13 14.84	− 4 2.8	1.777	2.688	11.4	19.2
5 21	13 8.86	− 3 52.3	1.837	2.669	15.0	19.4

36075 1999 RU_{59} 4 15.9 190.°73 1.°0/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.17	−15 12.0	2.984	3.786	10.0	19.5
3 22	13 54.27	−15 1.7	2.891	3.784	7.7	19.3
4 1	13 47.98	−14 42.4	2.824	3.782	5.0	19.2
4 11	13 40.78	−14 15.7	2.785	3.780	2.1	19.0
4 21	13 33.26	−13 44.1	2.776	3.777	1.5	18.9
5 1	13 26.03	−13 10.5	2.797	3.774	4.3	19.1
5 11	13 19.67	−12 38.7	2.847	3.771	7.1	19.3
5 21	13 14.63	−12 11.6	2.922	3.767	9.6	19.4

272887 2006 BH_{110} 4 15.9 50.°43 1.°0/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.87	− 9 20.6	1.838	2.678	13.8	20.5
3 22	13 56.24	− 8 55.8	1.762	2.679	10.3	20.2
4 1	13 49.49	− 8 21.5	1.709	2.680	6.3	20.0
4 11	13 41.34	− 7 41.6	1.683	2.682	2.1	19.7
4 21	13 32.71	− 7 1.1	1.683	2.683	2.8	19.8
5 1	13 24.62	− 6 25.5	1.712	2.685	7.0	20.0
5 11	13 17.95	− 5 59.5	1.765	2.686	10.9	20.3
5 21	13 13.31	− 5 46.1	1.841	2.687	14.3	20.5

310096 2010 PL_{64} 4 15.9 265.°92 3.°4/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.35	− 1 55.7	2.404	3.252	10.6	20.9
3 22	13 52.42	− 0 49.5	2.323	3.244	7.9	20.7
4 1	13 46.94	+ 0 20.8	2.268	3.237	5.2	20.6
4 11	13 40.45	+ 1 29.8	2.241	3.230	3.5	20.4
4 21	13 33.61	+ 2 32.2	2.242	3.222	4.8	20.5
5 1	13 27.11	+ 3 23.0	2.272	3.215	7.5	20.7
5 11	13 21.62	+ 3 58.6	2.327	3.207	10.4	20.8
5 21	13 17.59	+ 4 17.7	2.404	3.200	12.9	21.0

205560 2001 SC_{282} 4 15.9 88.°74 10.°5/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.89	+11 49.4	1.519	2.371	15.4	19.6
3 22	13 59.14	+14 13.9	1.497	2.403	12.6	19.5
4 1	13 51.10	+16 25.2	1.500	2.433	10.8	19.5
4 11	13 41.80	+18 11.0	1.528	2.463	10.7	19.6
4 21	13 32.39	+19 23.4	1.581	2.492	12.3	19.7
5 1	13 24.01	+19 59.2	1.657	2.521	14.6	19.9
5 11	13 17.52	+20 0.6	1.752	2.548	16.9	20.1
5 21	13 13.38	+19 32.5	1.863	2.575	18.9	20.4

522842 2016 NS_{84} 4 15.9 306.°91 4.°3/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.38	+ 0 7.2	2.029	2.882	12.1	21.0
3 22	13 54.24	+ 0 57.5	1.948	2.871	9.1	20.7
4 1	13 48.21	+ 1 50.2	1.892	2.860	6.1	20.5
4 11	13 40.92	+ 2 39.4	1.862	2.849	4.3	20.4
4 21	13 33.15	+ 3 19.5	1.859	2.838	5.7	20.5
5 1	13 25.78	+ 3 45.7	1.883	2.828	8.7	20.6
5 11	13 19.63	+ 3 54.7	1.932	2.817	12.0	20.8
5 21	13 15.25	+ 3 46.0	2.001	2.807	14.8	21.0

104108 2000 EH_{45} 4 15.9 303.°94 0.°5/16.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.99	−13 35.5	2.036	2.863	13.1	19.5
3 22	13 54.73	−13 12.8	1.952	2.860	10.0	19.3
4 1	13 48.53	−12 38.0	1.891	2.857	6.3	19.0
4 11	13 41.03	−11 53.7	1.856	2.854	2.3	18.8
4 21	13 33.06	−11 4.5	1.850	2.851	2.0	18.7
5 1	13 25.53	−10 15.6	1.871	2.849	6.0	19.0
5 11	13 19.27	− 9 32.5	1.918	2.846	9.8	19.2
5 21	13 14.84	− 8 59.4	1.988	2.844	13.1	19.4

502722 2015 DY_{30} 4 15.9 130.°59 4.°0/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.63	− 0 50.7	1.968	2.818	12.6	21.5
3 22	13 55.86	− 0 1.5	1.900	2.821	9.4	21.3
4 1	13 49.15	+ 0 50.2	1.855	2.824	6.1	21.1
4 11	13 41.22	+ 1 38.6	1.837	2.827	4.0	20.9
4 21	13 32.90	+ 2 18.2	1.847	2.829	5.4	21.0
5 1	13 25.11	+ 2 44.1	1.884	2.832	8.5	21.2
5 11	13 18.65	+ 2 53.6	1.946	2.834	11.7	21.4
5 21	13 14.06	+ 2 46.1	2.029	2.837	14.6	21.6

388004 2005 QD_{140} 4 15.9 191.°75 1.°6/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.19	−16 48.6	2.682	3.481	11.1	22.0
3 22	13 55.22	−16 49.4	2.591	3.480	8.6	21.9
4 1	13 48.66	−16 39.9	2.525	3.479	5.7	21.7
4 11	13 41.06	−16 21.2	2.486	3.478	2.8	21.5
4 21	13 33.07	−15 55.4	2.476	3.476	2.0	21.4
5 1	13 25.40	−15 26.0	2.496	3.474	4.7	21.6
5 11	13 18.73	−14 56.7	2.543	3.472	7.7	21.8
5 21	13 13.54	−14 31.1	2.616	3.469	10.4	22.0

476425 2008 DO_{62} 4 15.9 338.°42 9.°2/ 3.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 54.10	+12 1.2	1.929	2.788	12.4	20.4
3 22	13 51.14	+14 23.5	1.872	2.779	10.4	20.2
4 1	13 46.33	+16 40.0	1.840	2.770	9.3	20.2
4 11	13 40.30	+18 40.2	1.834	2.762	9.6	20.2
4 21	13 33.84	+20 15.4	1.854	2.755	11.3	20.2
5 1	13 27.81	+21 19.8	1.897	2.748	13.6	20.4
5 11	13 23.01	+21 51.9	1.960	2.741	15.9	20.5
5 21	13 19.97	+21 53.8	2.039	2.736	17.9	20.7

216105 2006 RX_{44} 4 15.9 82.°73 1.°2/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.86	− 8 56.7	2.240	3.077	11.7	20.5
3 22	13 53.58	− 8 12.5	2.170	3.086	8.7	20.3
4 1	13 47.66	− 7 20.1	2.124	3.095	5.3	20.1
4 11	13 40.71	− 6 23.8	2.105	3.104	1.9	19.9
4 21	13 33.46	− 5 28.4	2.116	3.113	2.7	20.0
5 1	13 26.67	− 4 39.0	2.154	3.122	6.2	20.2
5 11	13 21.04	− 3 59.8	2.219	3.132	9.4	20.4
5 21	13 17.01	− 3 33.3	2.307	3.141	12.3	20.6

456117 2006 CY_{56} 4 15.9 255.°14 5.°3/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.73	−40 14.9	4.681	5.312	8.8	21.1
3 22	13 52.30	−40 44.2	4.574	5.306	7.9	21.0
4 1	13 46.74	−41 0.9	4.488	5.300	6.9	20.9
4 11	13 40.40	−41 4.1	4.426	5.294	5.9	20.8
4 21	13 33.74	−40 53.6	4.389	5.288	5.4	20.8
5 1	13 27.26	−40 30.6	4.380	5.282	5.3	20.8
5 11	13 21.41	−39 57.3	4.396	5.276	5.9	20.8
5 21	13 16.59	−39 16.7	4.438	5.269	6.8	20.9

375017 2007 GO_{39} 4 15.9 199.°82 0.°1/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.53	−13 31.7	1.955	2.783	13.5	21.6
3 22	13 55.18	−12 52.6	1.872	2.782	10.2	21.3
4 1	13 48.83	−12 0.0	1.813	2.781	6.4	21.1
4 11	13 41.16	−10 57.4	1.781	2.779	2.2	20.8
4 21	13 33.01	− 9 50.2	1.776	2.778	2.1	20.8
5 1	13 25.36	− 8 44.9	1.800	2.776	6.4	21.1
5 11	13 19.03	− 7 47.9	1.849	2.775	10.3	21.3
5 21	13 14.61	− 7 3.4	1.922	2.773	13.6	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
390971	2005 QS_{132}		4 15.9	73.°75	1.°2/17.1	17
	h m	° ′			°	m
3 12	14 0.71	−14 27.8	2.317	3.131	12.2	21.0
3 22	13 55.79	−14 30.9	2.234	3.134	9.3	20.8
4 1	13 49.09	−14 24.0	2.175	3.136	6.0	20.6
4 11	13 41.23	−14 8.5	2.143	3.139	2.6	20.4
4 21	13 32.94	−13 47.2	2.140	3.141	1.9	20.4
5 1	13 25.06	−13 23.6	2.165	3.144	5.3	20.6
5 11	13 18.34	−13 1.8	2.218	3.147	8.6	20.8
5 21	13 13.31	−12 45.3	2.294	3.149	11.6	21.0
105819	2000 SN_{142}		4 15.9	159.°01	4.°5/20.6	18
3 12	14 2.06	−25 48.4	2.625	3.381	12.4	20.3
3 22	13 56.78	−26 14.9	2.535	3.384	10.2	20.1
4 1	13 49.71	−26 26.6	2.467	3.386	7.8	20.0
4 11	13 41.45	−26 22.8	2.425	3.389	5.5	19.8
4 21	13 32.71	−26 4.4	2.411	3.391	4.5	19.8
5 1	13 24.34	−25 34.3	2.426	3.393	5.6	19.8
5 11	13 17.07	−24 56.9	2.468	3.395	7.9	20.0
5 21	13 11.46	−24 17.3	2.535	3.397	10.4	20.1
467139	2016 EG_{79}		4 15.9	349.°76	7.°7/ 8.6	17
3 12	13 56.34	+ 3 5.5	1.423	2.298	15.0	20.5
3 22	13 53.31	+ 5 4.0	1.363	2.294	11.6	20.3
4 1	13 47.88	+ 7 4.9	1.326	2.290	8.6	20.1
4 11	13 40.87	+ 8 55.9	1.314	2.287	7.8	20.0
4 21	13 33.33	+10 25.9	1.326	2.285	9.9	20.1
5 1	13 26.43	+11 26.6	1.362	2.284	13.2	20.3
5 11	13 21.18	+11 54.5	1.418	2.283	16.7	20.5
5 21	13 18.21	+11 51.0	1.491	2.282	19.7	20.8
123722	2000 YX_{134}		4 15.9	38.°50	8.°2/22.6	17
3 12	14 3.03	−30 10.7	1.576	2.345	18.9	18.7
3 22	13 58.56	−31 3.1	1.509	2.357	15.9	18.5
4 1	13 51.26	−31 29.6	1.460	2.371	12.7	18.3
4 11	13 42.04	−31 27.4	1.433	2.384	9.8	18.2
4 21	13 32.15	−30 56.9	1.429	2.399	8.2	18.1
5 1	13 23.01	−30 3.2	1.450	2.414	9.0	18.2
5 11	13 15.84	−28 55.5	1.495	2.429	11.6	18.4
5 21	13 11.38	−27 43.7	1.561	2.445	14.5	18.6
434955	2006 US_{47}		4 15.9	218.°16	2.°9/19.3	17
3 12	13 59.55	−22 8.4	2.653	3.431	11.8	21.9
3 22	13 54.85	−22 1.6	2.554	3.425	9.4	21.7
4 1	13 48.50	−21 40.6	2.478	3.417	6.7	21.5
4 11	13 41.04	−21 6.0	2.428	3.410	4.0	21.4
4 21	13 33.15	−20 20.1	2.408	3.402	3.0	21.3
5 1	13 25.58	−19 26.8	2.416	3.393	4.9	21.4
5 11	13 19.02	−18 31.0	2.453	3.385	7.7	21.5
5 21	13 14.00	−17 37.6	2.515	3.376	10.5	21.7
37749	Umbertobonori		4 15.9	62.°81	2.°3/18.1	18
3 12	14 0.02	−19 16.1	1.720	2.536	15.6	19.2
3 22	13 55.74	−18 52.6	1.652	2.549	12.2	19.0
4 1	13 49.23	−18 10.1	1.605	2.562	8.2	18.7
4 11	13 41.30	−17 11.3	1.584	2.576	4.0	18.5
4 21	13 32.97	−16 1.6	1.589	2.589	2.7	18.5
5 1	13 25.31	−14 48.1	1.621	2.603	6.3	18.7
5 11	13 19.25	−13 38.7	1.679	2.616	10.3	19.0
5 21	13 15.34	−12 39.7	1.759	2.630	13.8	19.2
303732	2005 QF_{54}		4 15.9	87.°50	5.°3/21.3	18
3 12	14 2.32	−27 25.7	2.405	3.157	13.5	20.8
3 22	13 57.13	−27 58.9	2.322	3.165	11.2	20.6
4 1	13 50.00	−28 15.3	2.260	3.173	8.7	20.5
4 11	13 41.57	−28 13.9	2.223	3.181	6.4	20.3
4 21	13 32.66	−27 55.4	2.214	3.189	5.3	20.3
5 1	13 24.17	−27 22.9	2.232	3.196	6.3	20.4
5 11	13 16.94	−26 41.5	2.277	3.204	8.5	20.5
5 21	13 11.53	−25 57.0	2.347	3.212	11.0	20.7
189571	2000 SX_{317}		4 15.9	195.°07	10.°7/25.5	18
3 12	14 9.61	−40 33.9	2.198	2.861	17.0	20.2
3 22	14 3.48	−41 56.8	2.106	2.860	15.3	20.0
4 1	13 54.45	−42 56.8	2.033	2.858	13.4	19.9
4 11	13 43.21	−43 28.2	1.981	2.856	11.8	19.8
4 21	13 30.92	−43 28.1	1.952	2.854	10.8	19.7
5 1	13 19.00	−42 57.2	1.947	2.851	10.8	19.7
5 11	13 8.79	−42 1.7	1.967	2.849	11.9	19.8
5 21	13 1.24	−40 50.1	2.008	2.845	13.7	19.9
499087	2009 FR_{18}		4 15.9	6.°50	1.°0/15.3	17
3 12	13 56.83	−11 0.5	1.098	1.970	18.7	20.6
3 22	13 54.35	−10 25.1	1.037	1.970	14.1	20.4
4 1	13 48.84	− 9 32.1	0.994	1.971	8.7	20.1
4 11	13 41.27	− 8 28.1	0.973	1.973	2.8	19.7
4 21	13 33.00	− 7 22.1	0.976	1.977	3.6	19.8
5 1	13 25.56	− 6 24.1	1.001	1.982	9.4	20.1
5 11	13 20.23	− 5 42.8	1.047	1.988	14.7	20.4
5 21	13 17.76	− 5 22.7	1.112	1.995	19.1	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
222605	2001 XY_{28}		4 15.9	195.°46	6.°6/22.9	18
	h m	° ′			°	m
3 12	14 5.95	−33 8.5	2.595	3.301	13.7	20.6
3 22	13 59.92	−33 40.3	2.495	3.298	11.8	20.4
4 1	13 51.80	−33 53.2	2.415	3.295	9.6	20.2
4 11	13 42.22	−33 44.9	2.360	3.290	7.7	20.1
4 21	13 32.01	−33 15.3	2.332	3.285	6.6	20.0
5 1	13 22.17	−32 27.1	2.331	3.279	7.1	20.0
5 11	13 13.59	−31 25.8	2.358	3.272	8.9	20.1
5 21	13 6.93	−30 17.9	2.410	3.264	11.1	20.3
396663	2002 PH_{25}		4 15.9	182.°70	1.°0/15.2	18
3 12	14 5.11	−10 44.5	1.649	2.484	15.3	21.9
3 22	13 59.70	−10 1.4	1.571	2.485	11.5	21.7
4 1	13 51.79	− 9 5.0	1.516	2.486	7.1	21.4
4 11	13 42.22	− 8 0.0	1.486	2.485	2.3	21.1
4 21	13 32.05	− 6 53.1	1.485	2.484	3.1	21.1
5 1	13 22.51	− 5 51.9	1.511	2.483	7.9	21.4
5 11	13 14.66	− 5 3.1	1.562	2.480	12.3	21.7
5 21	13 9.18	− 4 30.9	1.634	2.477	16.0	21.9
518949	2010 HC_7		4 15.9	304.°01	1.°6/14.5	16
3 12	13 58.33	− 7 37.4	2.026	2.869	12.5	21.5
3 22	13 54.37	− 7 5.6	1.929	2.848	9.4	21.2
4 1	13 48.42	− 6 25.3	1.855	2.827	5.8	21.0
4 11	13 41.08	− 5 40.5	1.808	2.806	2.2	20.7
4 21	13 33.14	− 4 56.1	1.789	2.786	3.2	20.7
5 1	13 25.50	− 4 17.5	1.797	2.765	7.1	20.9
5 11	13 19.04	− 3 49.5	1.830	2.745	10.9	21.1
5 21	13 14.38	− 3 35.2	1.886	2.725	14.3	21.3
132062	2002 CR_{144}		4 15.9	311.°72	1.°8/14.6	18
3 12	13 59.75	− 9 28.1	1.370	2.227	16.5	19.9
3 22	13 56.16	− 8 39.8	1.292	2.219	12.4	19.6
4 1	13 49.84	− 7 36.6	1.236	2.211	7.6	19.3
4 11	13 41.61	− 6 24.7	1.204	2.203	2.7	19.0
4 21	13 32.63	− 5 12.4	1.197	2.195	4.0	19.1
5 1	13 24.26	− 4 9.0	1.215	2.188	9.2	19.3
5 11	13 17.69	− 3 22.2	1.256	2.181	14.0	19.6
5 21	13 13.69	− 2 56.3	1.316	2.175	18.2	19.8
267471	2002 FJ_{22}		4 15.9	9.°48	5.°7/12.6	18
3 12	14 3.95	+ 3 4.3	1.475	2.335	15.4	19.1
3 22	13 58.92	+ 3 24.8	1.412	2.336	11.8	18.9
4 1	13 51.33	+ 3 42.4	1.371	2.338	8.1	18.7
4 11	13 42.05	+ 3 50.6	1.355	2.341	5.7	18.6
4 21	13 32.25	+ 3 44.2	1.364	2.345	7.1	18.6
5 1	13 23.21	+ 3 19.9	1.398	2.349	10.6	18.9
5 11	13 15.98	+ 2 37.0	1.456	2.354	14.3	19.1
5 21	13 11.23	+ 1 37.3	1.533	2.360	17.6	19.3
246554	2008 SC_{99}		4 15.9	146.°13	1.°2/14.8	17
3 12	14 2.34	− 7 28.7	2.502	3.327	11.0	21.4
3 22	13 56.75	− 7 6.3	2.427	3.337	8.2	21.2
4 1	13 49.58	− 6 38.3	2.378	3.347	5.0	21.0
4 11	13 41.40	− 6 7.8	2.358	3.356	1.8	20.8
4 21	13 32.92	− 5 38.2	2.367	3.365	2.5	20.9
5 1	13 24.88	− 5 13.1	2.406	3.373	5.7	21.1
5 11	13 17.96	− 4 55.8	2.473	3.380	8.8	21.3
5 21	13 12.61	− 4 48.0	2.563	3.387	11.4	21.5
507517	2012 VM_{52}		4 15.9	225.°43	0.°2/15.9	17
3 12	13 59.93	−11 27.6	2.357	3.180	11.7	22.3
3 22	13 55.22	−11 5.7	2.266	3.174	8.8	22.1
4 1	13 48.77	−10 34.6	2.200	3.167	5.5	21.9
4 11	13 41.17	− 9 57.0	2.162	3.161	1.8	21.6
4 21	13 33.12	− 9 16.6	2.153	3.154	1.9	21.6
5 1	13 25.43	− 8 37.8	2.173	3.147	5.6	21.8
5 11	13 18.84	− 8 4.8	2.219	3.139	9.0	22.0
5 21	13 13.86	− 7 41.0	2.290	3.132	12.0	22.2
209960	2006 GC_{28}		4 16.0	208.°88	1.°2/14.7	18
3 12	13 59.45	− 8 58.1	2.257	3.090	11.8	21.0
3 22	13 54.87	− 8 17.0	2.172	3.086	8.8	20.8
4 1	13 48.56	− 7 27.3	2.112	3.082	5.4	20.6
4 11	13 41.09	− 6 32.8	2.080	3.078	1.9	20.4
4 21	13 33.21	− 5 38.4	2.076	3.074	2.7	20.4
5 1	13 25.73	− 4 49.2	2.101	3.069	6.3	20.6
5 11	13 19.38	− 4 9.6	2.152	3.064	9.7	20.8
5 21	13 14.68	− 3 42.7	2.227	3.058	12.7	21.0
362696	2011 UO_{151}		4 16.0	150.°09	2.°1/14.2	17
3 12	14 2.24	− 8 52.0	1.654	2.498	14.8	21.1
3 22	13 57.43	− 7 48.1	1.584	2.504	11.0	20.9
4 1	13 50.31	− 6 32.1	1.537	2.509	6.7	20.6
4 11	13 41.70	− 5 10.5	1.516	2.514	2.6	20.4
4 21	13 32.63	− 3 51.1	1.523	2.519	3.9	20.5
5 1	13 24.22	− 2 41.8	1.557	2.523	8.3	20.7
5 11	13 17.42	− 1 48.9	1.616	2.527	12.4	21.0
5 21	13 12.85	− 1 15.6	1.696	2.531	15.9	21.2