2020	α_{2000}	δ_{2000}	Δ	r	β	V
158480 2002 DN_8			3 26.9 109°.84	3°.5/23.5 18		
	h m	° ′			°	m
2 21	12 52.04	+ 6 50.6	2.190	3.022	11.9	20.4
3 2	12 45.76	+ 7 31.1	2.135	3.045	8.8	20.3
3 12	12 37.72	+ 8 13.3	2.106	3.067	5.7	20.1
3 22	12 28.59	+ 8 51.6	2.105	3.089	3.5	20.0
4 1	12 19.24	+ 9 21.1	2.134	3.110	4.8	20.1
4 11	12 10.55	+ 9 37.8	2.192	3.131	7.7	20.3
4 21	12 3.23	+ 9 39.9	2.276	3.150	10.6	20.5
5 1	11 57.77	+ 9 27.3	2.383	3.170	13.2	20.8
42296 2001 UJ_{31}			3 26.9 310°.69	6°.9/20.6 18		
2 21	12 46.45	+11 12.9	1.551	2.413	14.4	18.5
3 2	12 42.63	+12 34.2	1.478	2.400	11.1	18.2
3 12	12 36.33	+13 57.5	1.427	2.387	8.1	18.0
3 22	12 28.26	+15 12.6	1.402	2.374	7.0	17.9
4 1	12 19.48	+16 9.6	1.403	2.361	8.9	18.0
4 11	12 11.27	+16 41.1	1.428	2.349	12.3	18.2
4 21	12 4.67	+16 44.2	1.474	2.338	15.9	18.4
5 1	12 0.47	+16 19.8	1.539	2.326	19.1	18.5
269804 1999 VJ_{84}			3 26.9 273°.65	1°.0/27.9 17		
2 21	12 45.70	− 7 50.6	1.968	2.782	13.8	21.3
3 2	12 41.57	− 7 27.5	1.879	2.776	10.6	21.1
3 12	12 35.45	− 6 49.4	1.814	2.771	6.8	20.8
3 22	12 27.92	− 5 59.2	1.774	2.765	2.8	20.5
4 1	12 19.84	− 5 1.9	1.763	2.759	2.0	20.5
4 11	12 12.16	− 4 4.0	1.780	2.754	6.1	20.7
4 21	12 5.75	− 3 11.8	1.823	2.748	10.1	20.9
5 1	12 1.24	− 2 30.4	1.890	2.742	13.5	21.2
500769 2013 CX_{45}			3 26.9 341°.48	11°.1/ 1.0 17		
2 21	12 37.62	−16 44.5	0.866	1.714	24.1	19.8
3 2	12 37.78	−18 42.9	0.784	1.686	20.6	19.4
3 12	12 34.40	−20 19.3	0.718	1.660	16.6	19.1
3 22	12 27.92	−21 25.2	0.668	1.636	12.9	18.8
4 1	12 19.64	−21 54.0	0.636	1.616	11.1	18.6
4 11	12 11.62	−21 46.6	0.622	1.598	13.0	18.5
4 21	12 5.95	−21 11.3	0.624	1.584	17.3	18.7
5 1	12 4.25	−20 22.3	0.641	1.573	22.1	18.9
505180 2012 TQ_{87}			3 26.9 258°.79	0°.8/27.9 17		
2 21	12 44.40	− 8 20.7	2.218	3.026	12.6	21.8
3 2	12 40.43	− 7 44.7	2.121	3.014	9.7	21.6
3 12	12 34.67	− 6 53.7	2.047	3.002	6.3	21.3
3 22	12 27.65	− 5 50.7	2.000	2.990	2.5	21.1
4 1	12 20.11	− 4 40.8	1.982	2.978	1.8	21.0
4 11	12 12.89	− 3 30.3	1.993	2.966	5.7	21.2
4 21	12 6.75	− 2 25.3	2.031	2.953	9.4	21.4
5 1	12 2.29	− 1 31.2	2.094	2.940	12.6	21.6
218740 2005 UC_{444}			3 26.9 198°.82	0°.2/26.8 18		
2 21	12 49.26	− 3 59.4	2.441	3.249	11.6	21.2
3 2	12 43.83	− 3 35.8	2.348	3.245	8.8	21.0
3 12	12 36.66	− 3 2.6	2.281	3.241	5.4	20.8
3 22	12 28.30	− 2 22.7	2.243	3.235	1.8	20.5
4 1	12 19.48	− 1 40.4	2.234	3.229	2.0	20.5
4 11	12 11.01	− 1 0.4	2.256	3.222	5.6	20.8
4 21	12 3.62	− 0 27.0	2.305	3.215	9.0	21.0
5 1	11 57.86	− 0 3.4	2.380	3.207	12.0	21.1
36363 2000 OB_5			3 26.9 217°.64	1°.8/28.8 18		
2 21	12 48.27	−10 57.3	1.789	2.593	15.4	19.2
3 2	12 43.75	−10 26.7	1.697	2.586	12.0	18.9
3 12	12 36.94	− 9 35.8	1.628	2.579	8.0	18.7
3 22	12 28.47	− 8 27.4	1.584	2.571	3.7	18.4
4 1	12 19.31	− 7 7.1	1.568	2.563	2.4	18.3
4 11	12 10.59	− 5 43.4	1.580	2.555	6.6	18.5
4 21	12 3.32	− 4 24.8	1.618	2.545	11.0	18.8
5 1	11 58.23	− 3 18.3	1.680	2.536	14.8	19.0
352672 2008 RK_{99}			3 26.9 318°.01	0°.3/27.2 18		
2 21	12 50.57	− 4 47.2	1.332	2.170	17.7	21.2
3 2	12 46.07	− 4 37.7	1.257	2.168	13.5	21.0
3 12	12 38.63	− 4 11.7	1.202	2.166	8.6	20.7
3 22	12 29.08	− 3 33.4	1.171	2.164	3.0	20.3
4 1	12 18.70	− 2 49.4	1.166	2.163	2.8	20.3
4 11	12 9.01	− 2 8.1	1.187	2.161	8.4	20.6
4 21	12 1.28	− 1 36.7	1.231	2.159	13.5	20.9
5 1	11 56.38	− 1 20.5	1.295	2.158	17.9	21.2
51078 2000 GZ_{163}			3 26.9 114°.42	5°.4/20.7 18		
2 21	12 47.46	+13 9.0	2.317	3.159	11.0	18.2
3 2	12 42.41	+14 11.0	2.261	3.171	8.4	18.1
3 12	12 35.70	+15 10.6	2.231	3.182	6.2	17.9
3 22	12 27.94	+16 1.5	2.228	3.192	5.4	17.9
4 1	12 19.91	+16 38.4	2.254	3.203	6.7	18.0
4 11	12 12.40	+16 57.4	2.307	3.213	9.0	18.2
4 21	12 6.10	+16 57.6	2.384	3.223	11.5	18.3
5 1	12 1.48	+16 39.6	2.483	3.233	13.6	18.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
103167 1999 XS_{228}			3 27.0 155°.32	2°.7/29.3 18		
	h m	° ′			°	m
2 21	12 52.33	−11 44.3	1.707	2.503	16.3	20.0
3 2	12 46.78	−11 36.8	1.628	2.511	12.8	19.8
3 12	12 38.77	−11 9.8	1.571	2.518	8.7	19.6
3 22	12 29.06	−10 25.1	1.540	2.524	4.5	19.3
4 1	12 18.75	− 9 27.5	1.536	2.530	3.0	19.3
4 11	12 9.06	− 8 24.5	1.560	2.535	6.7	19.5
4 21	12 1.04	− 7 24.0	1.611	2.539	10.9	19.7
5 1	11 55.40	− 6 32.7	1.685	2.543	14.7	20.0
85656 1998 QX_{18}			3 27.0 207°.12	1°.7/28.5 18		
2 21	12 49.95	−10 7.9	1.761	2.566	15.5	20.0
3 2	12 45.04	− 9 40.1	1.671	2.561	12.1	19.8
3 12	12 37.75	− 8 52.8	1.602	2.555	8.0	19.5
3 22	12 28.75	− 7 48.8	1.560	2.549	3.6	19.2
4 1	12 19.04	− 6 33.8	1.546	2.541	2.4	19.1
4 11	12 9.79	− 5 16.1	1.559	2.534	6.8	19.4
4 21	12 2.05	− 4 3.9	1.599	2.525	11.2	19.6
5 1	11 56.57	− 3 4.1	1.663	2.516	15.1	19.8
66933 1999 VK_{229}			3 27.0 193°.62	1°.8/24.6 18		
2 21	12 45.72	+ 0 39.3	2.715	3.539	10.1	21.1
3 2	12 41.00	+ 1 37.2	2.628	3.536	7.5	20.9
3 12	12 34.83	+ 2 42.3	2.568	3.533	4.6	20.7
3 22	12 27.67	+ 3 50.0	2.538	3.529	2.0	20.5
4 1	12 20.15	+ 4 55.4	2.538	3.524	3.1	20.6
4 11	12 12.95	+ 5 53.2	2.568	3.519	6.0	20.8
4 21	12 6.67	+ 6 39.9	2.626	3.513	8.9	20.9
5 1	12 1.79	+ 7 12.8	2.708	3.507	11.5	21.1
225506 2000 QJ_{58}			3 27.0 187°.76	3°.9/22.2 17		
2 21	12 46.46	+ 6 17.5	2.268	3.108	11.3	20.7
3 2	12 41.81	+ 7 36.4	2.193	3.107	8.4	20.5
3 12	12 35.43	+ 8 59.9	2.144	3.106	5.5	20.4
3 22	12 27.89	+10 21.3	2.124	3.105	3.9	20.3
4 1	12 19.93	+11 33.6	2.133	3.103	5.4	20.3
4 11	12 12.40	+12 31.1	2.171	3.100	8.3	20.5
4 21	12 6.00	+13 10.2	2.234	3.097	11.3	20.7
5 1	12 1.28	+13 29.7	2.319	3.093	13.8	20.9
98844 2001 AP_{27}			3 27.0 54°.58	0°.5/27.4 18		
2 21	12 49.94	− 4 36.7	1.769	2.592	14.7	19.3
3 2	12 44.79	− 4 38.5	1.698	2.601	11.2	19.1
3 12	12 37.43	− 4 28.7	1.650	2.610	7.0	18.9
3 22	12 28.59	− 4 10.2	1.628	2.620	2.6	18.6
4 1	12 19.26	− 3 47.5	1.634	2.630	2.2	18.6
4 11	12 10.55	− 3 25.7	1.667	2.640	6.6	18.9
4 21	12 3.38	− 3 9.7	1.726	2.650	10.6	19.2
5 1	11 58.39	− 3 3.1	1.809	2.660	14.1	19.4
114135 2002 VM_{56}			3 27.0 122°.80	0°.4/27.4 18		
2 21	12 43.95	− 7 17.0	2.280	3.091	12.2	20.1
3 2	12 39.91	− 6 31.7	2.200	3.097	9.3	19.9
3 12	12 34.24	− 5 32.8	2.144	3.102	5.8	19.7
3 22	12 27.48	− 4 24.3	2.116	3.108	2.1	19.4
4 1	12 20.36	− 3 11.5	2.117	3.113	1.8	19.4
4 11	12 13.65	− 2 0.8	2.147	3.118	5.5	19.7
4 21	12 8.03	− 0 57.6	2.205	3.123	8.9	19.9
5 1	12 4.01	− 0 6.4	2.287	3.128	11.9	20.1
18041 1999 RX_{13}			3 27.0 20°.71	1°.6/25.4 18		
2 21	12 44.48	− 0 5.0	2.040	2.878	12.5	17.2
3 2	12 40.47	+ 0 29.3	1.968	2.881	9.2	17.0
3 12	12 34.65	+ 1 11.9	1.919	2.886	5.6	16.8
3 22	12 27.64	+ 1 57.9	1.898	2.890	2.1	16.5
4 1	12 20.23	+ 2 42.0	1.904	2.895	3.1	16.6
4 11	12 13.30	+ 3 18.5	1.939	2.901	6.8	16.9
4 21	12 7.58	+ 3 43.6	1.999	2.906	10.3	17.1
5 1	12 3.63	+ 3 54.8	2.082	2.912	13.3	17.3
348851 2006 SP_{79}			3 27.0 142°.66	3°.8/ 1.8 18		
2 21	12 44.49	−20 34.5	2.956	3.686	11.6	21.2
3 2	12 40.03	−20 19.6	2.867	3.696	9.6	21.1
3 12	12 34.19	−19 47.9	2.800	3.706	7.3	20.9
3 22	12 27.45	−19 0.3	2.760	3.716	5.0	20.8
4 1	12 20.41	−17 59.4	2.749	3.725	3.8	20.7
4 11	12 13.73	−16 49.4	2.767	3.733	4.8	20.8
4 21	12 7.94	−15 35.5	2.815	3.741	6.9	20.9
5 1	12 3.51	−14 23.0	2.889	3.749	9.1	21.1
40625 1999 RJ_{172}			3 27.0 145°.63	0°.9/26.1 18		
2 21	12 49.01	− 1 23.9	2.147	2.970	12.5	19.4
3 2	12 43.76	− 1 1.7	2.070	2.975	9.3	19.2
3 12	12 36.65	− 0 31.0	2.018	2.981	5.7	19.0
3 22	12 28.31	+ 0 4.1	1.993	2.986	1.9	18.7
4 1	12 19.56	+ 0 39.1	1.998	2.991	2.6	18.8
4 11	12 11.29	+ 1 9.0	2.032	2.996	6.3	19.0
4 21	12 4.28	+ 1 29.9	2.092	3.000	9.9	19.2
5 1	11 59.09	+ 1 39.2	2.176	3.004	12.9	19.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
105018 2000 KU_{15}			3 27.0	277°.74	1°.1/25.8	17
	h m	° ′			°	m
2 21	12 45.41	− 1 38.5	2.212	3.039	12.0	20.7
3 2	12 41.20	− 1 4.0	2.114	3.023	9.0	20.4
3 12	12 35.18	− 0 19.6	2.041	3.006	5.5	20.2
3 22	12 27.85	+ 0 30.6	1.995	2.989	1.9	19.9
4 1	12 19.97	+ 1 21.4	1.979	2.971	2.7	19.9
4 11	12 12.38	+ 2 7.2	1.991	2.954	6.5	20.1
4 21	12 5.87	+ 2 43.1	2.029	2.937	10.1	20.3
5 1	12 1.06	+ 3 5.9	2.091	2.919	13.3	20.5
300880 2008 AM_{92}			3 27.0	178°.30	3°.0/30.3	18
2 21	12 46.84	−13 34.2	2.459	3.234	12.5	20.7
3 2	12 42.07	−13 44.6	2.368	3.234	10.0	20.6
3 12	12 35.61	−13 40.8	2.300	3.234	7.1	20.4
3 22	12 27.97	−13 23.6	2.258	3.235	4.2	20.2
4 1	12 19.88	−12 55.3	2.246	3.235	3.1	20.1
4 11	12 12.13	−12 19.8	2.262	3.235	5.2	20.3
4 21	12 5.43	−11 42.0	2.307	3.234	8.1	20.4
5 1	12 0.34	−11 6.5	2.376	3.234	10.9	20.6
373031 2011 EF_{12}			3 27.0	84°.78	7°.2/19.2	18
2 21	12 47.38	+13 52.2	1.783	2.637	13.2	20.8
3 2	12 42.77	+15 35.1	1.739	2.653	10.2	20.7
3 12	12 36.09	+17 14.6	1.720	2.670	7.8	20.6
3 22	12 28.11	+18 40.9	1.728	2.686	7.3	20.6
4 1	12 19.82	+19 45.7	1.763	2.702	9.0	20.7
4 11	12 12.25	+20 24.2	1.822	2.718	11.6	20.9
4 21	12 6.21	+20 35.4	1.904	2.734	14.3	21.1
5 1	12 2.25	+20 21.3	2.005	2.749	16.6	21.3
368181 2000 RR_{14}			3 27.0	156°.82	4°.5/ 1.2	17
2 21	12 49.85	−19 26.5	2.543	3.279	13.1	22.3
3 2	12 44.28	−19 40.1	2.453	3.287	10.8	22.1
3 12	12 36.95	−19 36.4	2.387	3.295	8.2	22.0
3 22	12 28.43	−19 15.3	2.346	3.302	5.8	21.8
4 1	12 19.46	−18 38.4	2.334	3.309	4.5	21.7
4 11	12 10.88	−17 50.0	2.351	3.315	5.7	21.8
4 21	12 3.43	−16 55.4	2.397	3.320	8.1	22.0
5 1	11 57.66	−16 0.3	2.468	3.324	10.6	22.1
277656 2006 BV_{141}			3 27.0	54°.15	0°.4/26.6	17
2 21	12 46.46	− 3 49.8	1.911	2.738	13.6	21.2
3 2	12 42.12	− 3 20.0	1.832	2.739	10.2	21.0
3 12	12 35.77	− 2 38.1	1.777	2.740	6.3	20.7
3 22	12 28.05	− 1 48.3	1.748	2.741	2.1	20.4
4 1	12 19.84	− 0 56.3	1.747	2.742	2.4	20.5
4 11	12 12.11	− 0 8.5	1.775	2.744	6.7	20.7
4 21	12 5.72	+ 0 29.7	1.828	2.745	10.5	21.0
5 1	12 1.27	+ 0 54.7	1.904	2.746	13.9	21.2
399271 2014 HK_{73}			3 27.0	15°.30	0°.1/27.1	17
2 21	12 42.27	− 5 42.7	2.382	3.200	11.6	21.0
3 2	12 38.63	− 5 3.8	2.300	3.201	8.7	20.8
3 12	12 33.44	− 4 13.2	2.242	3.203	5.4	20.6
3 22	12 27.23	− 3 14.6	2.212	3.204	1.9	20.4
4 1	12 20.66	− 2 13.0	2.211	3.206	1.8	20.4
4 11	12 14.45	− 1 13.8	2.238	3.208	5.4	20.6
4 21	12 9.24	− 0 22.0	2.293	3.211	8.7	20.8
5 1	12 5.54	+ 0 18.7	2.373	3.213	11.5	21.0
167688 2004 LZ_{10}			3 27.0	54°.63	9°.2/ 9.0	18
2 21	12 45.56	−34 46.0	2.137	2.789	17.5	19.3
3 2	12 41.52	−35 5.6	2.064	2.810	15.6	19.2
3 12	12 35.40	−34 55.7	2.008	2.831	13.4	19.1
3 22	12 27.91	−34 14.2	1.972	2.853	11.3	18.9
4 1	12 20.01	−33 2.2	1.959	2.874	9.7	18.9
4 11	12 12.73	−31 25.0	1.971	2.896	9.3	18.9
4 21	12 6.93	−29 31.2	2.009	2.918	10.2	19.0
5 1	12 3.18	−27 30.5	2.072	2.940	11.9	19.1
26993 Littlewood			3 27.0	121°.31	1°.0/25.9	17
2 21	12 45.60	− 2 1.9	2.270	3.095	11.8	19.3
3 2	12 41.13	− 1 23.7	2.194	3.101	8.8	19.1
3 12	12 34.99	− 0 36.4	2.144	3.108	5.3	18.9
3 22	12 27.76	+ 0 15.7	2.121	3.114	1.8	18.6
4 1	12 20.16	+ 1 7.5	2.128	3.121	2.5	18.7
4 11	12 13.01	+ 1 53.8	2.163	3.127	6.1	18.9
4 21	12 6.98	+ 2 30.2	2.225	3.133	9.4	19.1
5 1	12 2.58	+ 2 54.0	2.311	3.138	12.3	19.3
26821 Baehr			3 27.0	131°.16	3°.0/30.3	18
2 21	12 47.61	−13 39.2	2.470	3.242	12.5	17.1
3 2	12 42.59	−13 47.4	2.384	3.250	10.0	16.9
3 12	12 35.90	−13 41.3	2.323	3.257	7.1	16.7
3 22	12 28.07	−13 21.8	2.288	3.264	4.2	16.5
4 1	12 19.84	−12 51.4	2.282	3.271	3.0	16.5
4 11	12 12.00	−12 14.1	2.306	3.278	5.1	16.6
4 21	12 5.24	−11 34.9	2.357	3.284	8.0	16.8
5 1	12 0.10	−10 58.3	2.434	3.290	10.8	17.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
179553 2002 DJ			3 27.0	274°.71	0°.7/26.1	17
	h m	° ′			°	m
2 21	12 43.97	− 2 36.0	2.448	3.271	11.1	20.6
3 2	12 39.94	− 2 1.0	2.352	3.258	8.3	20.4
3 12	12 34.31	− 1 16.5	2.281	3.245	5.1	20.2
3 22	12 27.55	− 0 26.1	2.238	3.231	1.7	19.9
4 1	12 20.34	+ 0 25.5	2.225	3.218	2.3	19.9
4 11	12 13.41	+ 1 13.1	2.240	3.205	5.8	20.1
4 21	12 7.45	+ 1 52.5	2.283	3.192	9.1	20.3
5 1	12 2.99	+ 2 20.3	2.349	3.178	12.0	20.5
327885 2007 BB_{34}			3 27.0	174°.44	0°.6/26.5	17
2 21	12 47.77	− 3 44.5	1.941	2.765	13.5	21.3
3 2	12 43.08	− 3 8.3	1.861	2.767	10.2	21.1
3 12	12 36.36	− 2 19.8	1.805	2.768	6.3	20.9
3 22	12 28.26	− 1 23.4	1.776	2.769	2.0	20.6
4 1	12 19.66	− 0 25.2	1.775	2.770	2.5	20.6
4 11	12 11.55	+ 0 28.3	1.803	2.770	6.7	20.9
4 21	12 4.77	+ 1 11.6	1.856	2.770	10.6	21.1
5 1	11 59.96	+ 1 40.8	1.933	2.769	14.0	21.3
301085 2008 UG_{313}			3 27.0	211°.97	1°.0/27.8	18
2 21	12 52.97	− 6 29.9	1.719	2.532	15.5	21.5
3 2	12 47.39	− 6 23.8	1.629	2.526	11.9	21.3
3 12	12 39.27	− 6 2.9	1.563	2.520	7.7	21.0
3 22	12 29.31	− 5 30.0	1.522	2.513	3.0	20.7
4 1	12 18.57	− 4 49.8	1.509	2.505	2.3	20.6
4 11	12 8.32	− 4 8.8	1.524	2.497	7.1	20.9
4 21	11 59.64	− 3 33.4	1.566	2.488	11.6	21.2
5 1	11 53.37	− 3 8.8	1.630	2.478	15.5	21.4
452693 2005 YB_{21}			3 27.0	58°.77	4°.0/29.9	18
2 21	12 50.19	−13 4.5	1.264	2.080	19.8	21.3
3 2	12 45.73	−13 13.5	1.204	2.096	15.7	21.1
3 12	12 38.34	−12 57.2	1.164	2.112	10.9	20.8
3 22	12 28.97	−12 17.4	1.146	2.129	6.1	20.6
4 1	12 19.01	−11 19.8	1.153	2.145	4.1	20.5
4 11	12 9.98	−10 14.1	1.184	2.162	7.8	20.8
4 21	12 3.08	− 9 10.2	1.240	2.180	12.4	21.1
5 1	11 59.05	− 8 16.9	1.316	2.197	16.5	21.4
212352 2005 YC_{33}			3 27.0	152°.89	15°.5/10.0	18
2 21	12 52.24	+27 49.6	1.264	2.115	17.7	20.0
3 2	12 47.61	+31 9.8	1.238	2.121	16.0	19.9
3 12	12 39.66	+34 7.9	1.234	2.126	15.5	19.8
3 22	12 29.44	+36 25.8	1.252	2.131	16.5	19.9
4 1	12 18.57	+37 51.4	1.291	2.135	18.5	20.1
4 11	12 8.80	+38 22.3	1.347	2.139	20.8	20.2
4 21	12 1.48	+38 3.6	1.418	2.142	23.1	20.4
5 1	11 57.38	+37 4.1	1.500	2.145	24.9	20.6
93066 2000 SU_{22}			3 27.0	184°.83	0°.1/27.1	17
2 21	12 46.93	− 5 45.2	2.173	2.987	12.7	20.6
3 2	12 42.27	− 5 10.1	2.088	2.987	9.6	20.4
3 12	12 35.80	− 4 22.2	2.027	2.987	6.0	20.2
3 22	12 28.07	− 3 25.4	1.993	2.986	2.1	19.9
4 1	12 19.89	− 2 24.7	1.989	2.985	2.0	19.9
4 11	12 12.13	− 1 26.4	2.014	2.983	5.9	20.2
4 21	12 5.54	− 0 35.7	2.066	2.981	9.6	20.4
5 1	12 0.71	+ 0 3.1	2.142	2.979	12.7	20.6
330432 2007 DN_{12}			3 27.0	35°.40	7°.4/19.8	18
2 21	12 44.43	+10 45.3	1.411	2.280	15.1	20.4
3 2	12 41.06	+12 38.2	1.366	2.292	11.5	20.2
3 12	12 35.26	+14 31.3	1.344	2.303	8.4	20.0
3 22	12 27.90	+16 12.6	1.347	2.316	7.5	20.0
4 1	12 20.13	+17 30.8	1.375	2.329	9.5	20.2
4 11	12 13.16	+18 19.1	1.427	2.342	12.8	20.4
4 21	12 7.94	+18 35.7	1.500	2.357	16.1	20.6
5 1	12 5.07	+18 22.7	1.590	2.371	18.9	20.8
162655 2000 SN_{235}			3 27.0	281°.95	0°.4/27.3	16
2 21	12 51.23	− 4 24.6	1.479	2.311	16.6	20.2
3 2	12 46.49	− 4 24.9	1.391	2.299	12.8	19.9
3 12	12 38.93	− 4 11.3	1.325	2.287	8.1	19.6
3 22	12 29.27	− 3 46.8	1.283	2.275	2.9	19.2
4 1	12 18.66	− 3 16.5	1.267	2.263	2.6	19.2
4 11	12 8.52	− 2 47.5	1.278	2.252	8.0	19.5
4 21	12 0.14	− 2 26.0	1.313	2.240	13.0	19.7
5 1	11 54.42	− 2 17.1	1.369	2.228	17.3	19.9
357101 2001 TK_{156}			3 27.0	119°.54	0°.5/26.6	18
2 21	12 52.52	− 3 35.6	1.607	2.434	15.8	21.9
3 2	12 46.88	− 3 8.5	1.542	2.448	11.8	21.7
3 12	12 38.80	− 2 28.1	1.498	2.462	7.3	21.5
3 22	12 29.11	− 1 39.5	1.481	2.475	2.4	21.2
4 1	12 18.94	− 0 49.3	1.492	2.487	2.8	21.2
4 11	12 9.53	− 0 4.7	1.531	2.499	7.5	21.6
4 21	12 1.87	+ 0 28.6	1.595	2.511	11.8	21.8
5 1	11 56.64	+ 0 47.1	1.680	2.522	15.5	22.1

132872 2002 RU_{109} 3 27.0 216°.88 0°.7/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 44.36	− 8 42.1	2.558	3.357	11.4	20.6
3 2	12 40.16	− 7 56.5	2.461	3.350	8.7	20.4
3 12	12 34.41	− 6 57.1	2.388	3.342	5.6	20.2
3 22	12 27.60	− 5 47.0	2.344	3.334	2.2	19.9
4 1	12 20.37	− 4 30.9	2.330	3.326	1.6	19.9
4 11	12 13.45	− 3 14.7	2.345	3.317	5.1	20.1
4 21	12 7.47	− 2 3.9	2.390	3.307	8.4	20.3
5 1	12 2.95	− 1 3.2	2.459	3.297	11.3	20.4

498663 2008 SL_{128} 3 27.0 229°.19 2°.3/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.58	−11 57.4	2.065	2.860	13.9	21.6
3 2	12 41.43	−11 40.5	1.976	2.858	10.9	21.3
3 12	12 35.36	−11 6.3	1.909	2.855	7.5	21.1
3 22	12 27.95	−10 16.8	1.869	2.853	3.9	20.9
4 1	12 20.03	− 9 16.4	1.856	2.851	2.5	20.8
4 11	12 12.51	− 8 11.3	1.873	2.848	5.7	21.0
4 21	12 6.21	− 7 8.1	1.915	2.845	9.4	21.2
5 1	12 1.75	− 6 12.8	1.982	2.843	12.7	21.4

237613 2001 QD_{249} 3 27.0 225°.35 1°.9/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.64	+ 0 19.9	1.837	2.665	14.0	21.0
3 2	12 47.01	+ 0 54.4	1.745	2.654	10.5	20.8
3 12	12 38.98	+ 1 38.6	1.677	2.642	6.5	20.5
3 22	12 29.23	+ 2 27.5	1.637	2.629	2.5	20.2
4 1	12 18.74	+ 3 14.5	1.625	2.615	3.7	20.3
4 11	12 8.67	+ 3 53.0	1.641	2.601	8.0	20.5
4 21	12 0.05	+ 4 18.1	1.684	2.585	12.2	20.7
5 1	11 53.67	+ 4 26.9	1.748	2.569	15.9	20.9

28260 1999 BK_{29} 3 27.0 5°.30 1°.4/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.01	− 8 26.3	2.083	2.891	13.3	18.9
3 2	12 41.69	− 8 16.2	1.999	2.891	10.3	18.7
3 12	12 35.49	− 7 52.3	1.938	2.891	6.7	18.4
3 22	12 27.99	− 7 17.0	1.903	2.892	3.0	18.2
4 1	12 20.01	− 6 34.4	1.896	2.892	2.0	18.1
4 11	12 12.45	− 5 50.0	1.918	2.892	5.7	18.4
4 21	12 6.10	− 5 9.1	1.966	2.893	9.4	18.6
5 1	12 1.56	− 4 36.4	2.039	2.893	12.6	18.8

371061 2005 UJ_{249} 3 27.0 221°.41 0°.3/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.96	− 4 24.1	2.303	3.116	12.1	22.8
3 2	12 43.04	− 3 48.5	2.206	3.105	9.1	22.6
3 12	12 36.30	− 3 1.5	2.134	3.094	5.7	22.4
3 22	12 28.28	− 2 6.5	2.090	3.083	1.9	22.1
4 1	12 19.73	− 1 8.4	2.076	3.071	2.1	22.1
4 11	12 11.50	− 0 13.2	2.091	3.058	6.0	22.3
4 21	12 4.35	+ 0 34.2	2.134	3.044	9.6	22.5
5 1	11 58.91	+ 1 9.7	2.201	3.030	12.7	22.7

422438 2014 SW_{300} 3 27.0 24°.37 2°.8/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.25	+ 4 18.2	1.563	2.403	15.5	20.4
3 2	12 49.13	+ 4 20.4	1.490	2.404	11.6	20.2
3 12	12 40.33	+ 4 26.4	1.439	2.405	7.3	19.9
3 22	12 29.68	+ 4 31.2	1.415	2.406	3.3	19.7
4 1	12 18.39	+ 4 29.6	1.418	2.407	4.5	19.8
4 11	12 7.83	+ 4 17.1	1.449	2.409	8.8	20.0
4 21	11 59.12	+ 3 51.6	1.504	2.410	13.1	20.3
5 1	11 53.03	+ 3 12.5	1.581	2.412	16.8	20.5

435299 2007 TX_{442} 3 27.0 141°.19 4°.1/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.02	+ 9 21.4	2.532	3.372	10.3	21.5
3 2	12 41.27	+10 23.1	2.468	3.380	7.7	21.4
3 12	12 35.01	+11 25.6	2.430	3.388	5.3	21.2
3 22	12 27.79	+12 23.3	2.421	3.396	4.1	21.1
4 1	12 20.28	+13 10.8	2.441	3.403	5.4	21.2
4 11	12 13.20	+13 44.1	2.489	3.410	7.8	21.4
4 21	12 7.16	+14 1.2	2.563	3.417	10.3	21.6
5 1	12 2.63	+14 1.7	2.659	3.423	12.5	21.7

368708 2005 SD_{281} 3 27.0 177°.90 4°.8/ 1.9 13 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.10	−21 15.5	2.583	3.308	13.2	22.8
3 2	12 43.77	−21 21.8	2.486	3.311	11.0	22.7
3 12	12 36.69	−21 9.4	2.412	3.312	8.5	22.5
3 22	12 28.40	−20 38.3	2.363	3.314	6.1	22.3
4 1	12 19.64	−19 50.1	2.343	3.314	4.8	22.3
4 11	12 11.23	−18 49.1	2.352	3.313	5.8	22.3
4 21	12 3.90	−17 41.1	2.389	3.312	8.1	22.5
5 1	11 58.24	−16 32.4	2.452	3.310	10.6	22.6

394793 2008 PR_{21} 3 27.0 216°.29 3°.0/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.19	+ 2 52.8	1.800	2.634	14.0	21.9
3 2	12 47.42	+ 3 38.0	1.713	2.625	10.5	21.6
3 12	12 39.24	+ 4 31.2	1.651	2.616	6.6	21.4
3 22	12 29.33	+ 5 26.2	1.615	2.605	3.2	21.1
4 1	12 18.70	+ 6 15.7	1.609	2.594	4.7	21.2
4 11	12 8.56	+ 6 52.9	1.630	2.582	8.8	21.4
4 21	11 59.93	+ 7 13.5	1.677	2.569	12.8	21.6
5 1	11 53.59	+ 7 15.4	1.745	2.555	16.3	21.8

491565 2012 QF_{49} 3 27.0 55°.43 13°.4/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 28.26	+28 23.6	1.148	1.949	22.3	20.2
3 2	13 12.53	+28 56.6	1.146	2.012	18.3	20.2
3 12	12 53.56	+28 58.5	1.165	2.073	14.9	20.1
3 22	12 33.62	+28 20.0	1.209	2.133	13.4	20.2
4 1	12 15.14	+27 0.8	1.280	2.191	14.1	20.4
4 11	11 59.95	+25 9.3	1.377	2.249	16.1	20.7
4 21	11 48.85	+22 57.6	1.496	2.305	18.5	21.0
5 1	11 41.88	+20 35.8	1.634	2.359	20.5	21.3

19654 1999 RW_{119} 3 27.0 281°.55 5°.2/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.25	−16 18.4	1.948	2.718	15.5	18.1
3 2	12 45.38	−16 57.4	1.841	2.699	12.8	17.8
3 12	12 38.12	−17 18.9	1.755	2.680	9.6	17.6
3 22	12 29.01	−17 21.5	1.694	2.661	6.5	17.4
4 1	12 18.97	−17 5.6	1.660	2.641	5.2	17.2
4 11	12 9.14	−16 35.1	1.654	2.622	7.1	17.3
4 21	12 0.61	−15 55.8	1.673	2.602	10.5	17.5
5 1	11 54.24	−15 14.8	1.716	2.583	14.0	17.6

386565 2009 DT_{98} 3 27.0 210°.81 2°.8/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 44.32	+ 4 16.0	2.536	3.373	10.3	21.2
3 2	12 40.10	+ 5 14.1	2.455	3.369	7.7	21.0
3 12	12 34.36	+ 6 17.1	2.401	3.365	4.8	20.8
3 22	12 27.60	+ 7 20.0	2.374	3.361	2.8	20.7
4 1	12 20.48	+ 8 17.4	2.378	3.357	4.1	20.8
4 11	12 13.70	+ 9 4.3	2.410	3.352	6.9	21.0
4 21	12 7.88	+ 9 37.5	2.469	3.347	9.8	21.1
5 1	12 3.53	+ 9 55.3	2.551	3.342	12.3	21.3

41502 Denchukun 3 27.0 155°.25 1°.5/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.27	−10 29.5	2.117	2.908	13.7	20.2
3 2	12 44.78	− 9 58.0	2.036	2.918	10.6	20.0
3 12	12 37.36	− 9 10.2	1.979	2.928	7.0	19.8
3 22	12 28.63	− 8 8.9	1.949	2.937	3.2	19.6
4 1	12 19.48	− 6 59.3	1.949	2.945	2.1	19.5
4 11	12 10.84	− 5 48.0	1.979	2.951	5.7	19.8
4 21	12 3.52	− 4 41.7	2.036	2.957	9.4	20.0
5 1	11 58.10	− 3 45.5	2.118	2.962	12.6	20.2

507786 2014 AF_{56} 3 27.0 357°.87 10°.9/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.04	−32 23.9	2.031	2.701	17.9	21.0
3 2	12 44.63	−33 51.5	1.942	2.699	16.1	20.9
3 12	12 37.71	−34 54.4	1.871	2.697	14.1	20.7
3 22	12 28.88	−35 27.8	1.821	2.696	12.3	20.6
4 1	12 19.15	−35 29.0	1.792	2.696	11.1	20.5
4 11	12 9.74	−34 59.9	1.787	2.696	11.0	20.5
4 21	12 1.80	−34 6.2	1.806	2.697	12.1	20.6
5 1	11 56.21	−32 56.5	1.846	2.698	13.8	20.7

213001 1981 EP_3 3 27.0 12°.04 3°.4/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 42.18	−15 5.9	1.845	2.639	15.3	20.0
3 2	12 39.08	−14 50.2	1.765	2.642	12.3	19.8
3 12	12 33.98	−14 13.1	1.706	2.646	8.7	19.6
3 22	12 27.53	−13 16.4	1.672	2.650	5.1	19.4
4 1	12 20.58	−12 4.8	1.664	2.655	3.5	19.3
4 11	12 14.12	−10 45.7	1.684	2.661	6.0	19.4
4 21	12 8.97	− 9 27.2	1.729	2.667	9.6	19.7
5 1	12 5.75	− 8 16.6	1.798	2.674	13.0	19.9

177042 2003 DV_{11} 3 27.0 144°.93 2°.0/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 43.46	+ 0 42.9	2.464	3.296	10.7	20.4
3 2	12 39.46	+ 1 45.6	2.387	3.300	7.9	20.2
3 12	12 33.97	+ 2 55.8	2.337	3.303	4.8	20.0
3 22	12 27.48	+ 4 8.5	2.316	3.307	2.2	19.9
4 1	12 20.66	+ 5 17.9	2.324	3.310	3.4	20.0
4 11	12 14.22	+ 6 18.5	2.361	3.313	6.4	20.2
4 21	12 8.77	+ 7 6.3	2.425	3.316	9.4	20.3
5 1	12 4.79	+ 7 39.0	2.513	3.319	12.0	20.5

212709 2007 RC_{39} 3 27.0 125°.50 0°.2/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.83	− 5 53.5	2.816	3.619	10.4	21.2
3 2	12 40.97	− 5 20.6	2.743	3.636	7.8	21.0
3 12	12 34.78	− 4 38.3	2.696	3.653	4.9	20.9
3 22	12 27.73	− 3 49.7	2.677	3.669	1.7	20.7
4 1	12 20.44	− 2 58.5	2.689	3.684	1.5	20.7
4 11	12 13.54	− 2 9.3	2.731	3.700	4.6	20.9
4 21	12 7.57	− 1 25.7	2.802	3.714	7.5	21.1
5 1	12 2.95	− 0 50.8	2.898	3.728	10.0	21.3

100653 1997 WD_{12} 3 27.0 125°.40 0°.7/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.03	− 7 42.6	2.074	2.881	13.4	20.7
3 2	12 43.09	− 7 7.3	2.001	2.895	10.2	20.5
3 12	12 36.30	− 6 17.7	1.952	2.908	6.5	20.3
3 22	12 28.28	− 5 17.6	1.930	2.921	2.5	20.0
4 1	12 19.90	− 4 12.5	1.937	2.933	1.9	20.0
4 11	12 12.05	− 3 8.8	1.974	2.945	5.8	20.3
4 21	12 5.49	− 2 12.5	2.037	2.957	9.5	20.5
5 1	12 0.78	− 1 27.8	2.125	2.968	12.6	20.7

276171 2002 PG_{17} 3 27.0 230°.25 2°.9/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 45.27	+ 3 31.0	2.371	3.207	11.0	21.5
3 2	12 40.96	+ 4 35.2	2.284	3.198	8.1	21.3
3 12	12 34.98	+ 5 46.0	2.223	3.188	5.1	21.1
3 22	12 27.86	+ 6 57.8	2.190	3.178	2.9	20.9
4 1	12 20.28	+ 8 4.3	2.188	3.167	4.3	21.0
4 11	12 13.04	+ 9 0.0	2.213	3.156	7.4	21.2
4 21	12 6.82	+ 9 40.8	2.265	3.145	10.5	21.3
5 1	12 2.18	+10 4.5	2.340	3.133	13.2	21.5

464671 2001 SD_{353} 3 27.0 238°.48 0°.7/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.89	− 1 50.3	2.025	2.846	13.2	22.4
3 2	12 45.51	− 1 34.5	1.931	2.835	10.0	22.1
3 12	12 37.99	− 1 9.4	1.860	2.823	6.2	21.9
3 22	12 28.93	− 0 38.4	1.817	2.810	2.1	21.6
4 1	12 19.21	− 0 6.3	1.803	2.797	2.6	21.6
4 11	12 9.86	+ 0 21.6	1.817	2.783	6.8	21.8
4 21	12 1.79	+ 0 40.9	1.859	2.769	10.8	22.0
5 1	11 55.72	+ 0 48.4	1.923	2.755	14.2	22.2

64848 2001 YP_{18} 3 27.0 84°.53 4°.0/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 44.75	+ 8 8.9	2.329	3.173	10.9	19.5
3 2	12 40.49	+ 9 8.8	2.261	3.177	8.1	19.3
3 12	12 34.63	+10 10.5	2.220	3.181	5.4	19.2
3 22	12 27.71	+11 8.3	2.206	3.185	4.0	19.1
4 1	12 20.46	+11 56.4	2.220	3.188	5.4	19.2
4 11	12 13.64	+12 30.3	2.263	3.192	8.0	19.4
4 21	12 7.92	+12 47.6	2.331	3.196	10.7	19.5
5 1	12 3.78	+12 47.6	2.420	3.200	13.2	19.7

474433 2003 GJ_{2} 3 27.0 2°.18 1°.3/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 40.98	−13 24.3	2.043	2.840	13.9	20.6
3 2	12 37.98	−11 56.0	1.954	2.840	10.8	20.4
3 12	12 33.22	−10 4.2	1.889	2.840	7.1	20.2
3 22	12 27.27	− 7 54.0	1.852	2.840	3.2	19.9
4 1	12 20.89	− 5 33.5	1.844	2.841	1.9	19.8
4 11	12 14.95	− 3 13.1	1.867	2.842	5.8	20.1
4 21	12 10.17	− 1 2.6	1.919	2.843	9.7	20.3
5 1	12 7.10	+ 0 50.5	1.995	2.845	13.0	20.5

435912 2009 BT_{64} 3 27.0 15°.92 10°.6/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 43.65	+21 16.3	1.507	2.371	14.6	20.1
3 2	12 40.47	+23 8.2	1.471	2.378	12.2	20.0
3 12	12 34.91	+24 48.0	1.457	2.387	10.8	19.9
3 22	12 27.84	+26 4.6	1.467	2.397	11.0	19.9
4 1	12 20.38	+26 49.3	1.500	2.407	12.6	20.0
4 11	12 13.74	+26 58.7	1.554	2.419	15.0	20.2
4 21	12 8.80	+26 34.4	1.627	2.432	17.4	20.4
5 1	12 6.15	+25 40.6	1.716	2.446	19.5	20.6

297264 1995 TH_{6} 3 27.0 215°.62 2°.5/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.34	+ 5 56.9	2.945	3.770	9.4	21.2
3 2	12 42.90	+ 6 24.3	2.855	3.762	7.0	21.1
3 12	12 36.03	+ 6 53.9	2.792	3.753	4.4	20.9
3 22	12 28.20	+ 7 22.0	2.758	3.744	2.6	20.7
4 1	12 19.99	+ 7 44.9	2.755	3.734	3.6	20.8
4 11	12 12.09	+ 7 59.5	2.782	3.724	6.1	21.0
4 21	12 5.07	+ 8 3.5	2.837	3.713	8.7	21.1
5 1	11 59.41	+ 7 56.1	2.916	3.702	11.0	21.3

94150 2001 AY_{4} 3 27.0 70°.18 4°.0/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.16	−15 51.0	1.849	2.629	15.9	19.2
3 2	12 43.44	−15 53.9	1.782	2.648	12.7	19.0
3 12	12 36.62	−15 36.0	1.735	2.668	9.1	18.8
3 22	12 28.42	−14 58.6	1.714	2.688	5.7	18.7
4 1	12 19.81	−14 5.8	1.720	2.707	4.1	18.6
4 11	12 11.85	−13 4.1	1.753	2.727	6.2	18.8
4 21	12 5.37	−12 0.9	1.813	2.747	9.6	19.0
5 1	12 0.98	−11 3.0	1.897	2.766	12.8	19.3

436009 2009 HN_{1} 3 27.0 316°.58 5°.7/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.21	+13 26.2	2.164	3.010	11.5	20.7
3 2	12 42.53	+14 16.9	2.092	3.003	8.9	20.5
3 12	12 35.99	+15 5.5	2.044	2.997	6.6	20.3
3 22	12 28.21	+15 45.4	2.024	2.990	5.7	20.3
4 1	12 20.01	+16 10.9	2.031	2.984	7.0	20.3
4 11	12 12.27	+16 18.1	2.065	2.978	9.6	20.5
4 21	12 5.75	+16 5.6	2.123	2.972	12.3	20.6
5 1	12 1.04	+15 34.1	2.201	2.966	14.8	20.8

463453 2013 OQ_{9} 3 27.0 263°.67 0°.3/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.83	− 5 8.1	1.830	2.649	14.4	21.5
3 2	12 45.04	− 4 52.7	1.729	2.631	11.1	21.3
3 12	12 37.88	− 4 23.6	1.651	2.612	7.1	21.0
3 22	12 28.96	− 3 43.9	1.600	2.592	2.5	20.7
4 1	12 19.20	− 2 58.6	1.576	2.572	2.3	20.6
4 11	12 9.76	− 2 14.1	1.581	2.552	7.0	20.8
4 21	12 1.67	− 1 36.7	1.611	2.531	11.5	21.1
5 1	11 55.75	− 1 11.3	1.664	2.510	15.4	21.3

4551 Cochran 3 27.0 261°.35 4°.1/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 47.25	+ 4 2.3	1.905	2.749	12.9	18.8
3 2	12 42.99	+ 5 30.1	1.809	2.726	9.7	18.5
3 12	12 36.55	+ 7 8.6	1.737	2.703	6.2	18.2
3 22	12 28.49	+ 8 49.7	1.694	2.678	4.1	18.1
4 1	12 19.68	+10 24.4	1.679	2.654	5.9	18.1
4 11	12 11.16	+11 43.5	1.691	2.628	9.7	18.3
4 21	12 3.89	+12 41.3	1.729	2.602	13.5	18.4
5 1	11 58.64	+13 14.7	1.787	2.575	16.8	18.6

467781 2009 WT_{114} 3 27.0 141°.48 1°.5/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.66	− 9 49.2	1.984	2.788	14.1	21.9
3 2	12 42.26	− 9 21.3	1.903	2.793	10.9	21.7
3 12	12 35.90	− 8 36.8	1.845	2.797	7.1	21.5
3 22	12 28.20	− 7 38.7	1.813	2.801	3.2	21.2
4 1	12 20.03	− 6 32.3	1.809	2.805	2.1	21.2
4 11	12 12.35	− 5 24.5	1.835	2.809	5.9	21.4
4 21	12 5.96	− 4 21.9	1.886	2.813	9.7	21.7
5 1	12 1.47	− 3 29.9	1.962	2.816	13.1	21.9

371068 2005 US_{277} 3 27.0 231°.60 0°.9/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.70	− 2 12.0	2.172	2.993	12.4	22.3
3 2	12 43.73	− 1 38.4	2.076	2.981	9.3	22.1
3 12	12 36.82	− 0 54.6	2.005	2.968	5.8	21.8
3 22	12 28.54	− 0 4.4	1.962	2.955	1.9	21.5
4 1	12 19.67	+ 0 46.9	1.948	2.942	2.6	21.6
4 11	12 11.14	+ 1 33.4	1.964	2.927	6.6	21.8
4 21	12 3.76	+ 2 10.2	2.006	2.913	10.3	22.0
5 1	11 58.19	+ 2 34.0	2.071	2.897	13.5	22.2

35666 1998 RZ_{47} 3 27.0 275°.31 2°.4/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.36	−10 27.8	2.104	2.899	13.7	18.9
3 2	12 43.69	−10 33.5	1.997	2.880	10.8	18.7
3 12	12 36.93	−10 24.7	1.913	2.860	7.4	18.4
3 22	12 28.62	−10 2.3	1.855	2.839	3.8	18.2
4 1	12 19.56	− 9 29.3	1.825	2.819	2.6	18.0
4 11	12 10.74	− 8 50.3	1.824	2.798	5.9	18.2
4 21	12 3.07	− 8 10.9	1.849	2.777	9.8	18.4
5 1	11 57.29	− 7 36.7	1.899	2.756	13.3	18.6

334726 2003 KT_{7} 3 27.0 286°.89 6°.6/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.04	+11 22.6	1.846	2.702	12.7	20.9
3 2	12 41.34	+13 3.8	1.765	2.684	9.8	20.7
3 12	12 35.50	+14 48.1	1.709	2.665	7.3	20.5
3 22	12 28.12	+16 26.2	1.680	2.646	6.7	20.4
4 1	12 20.08	+17 48.2	1.678	2.628	8.5	20.5
4 11	12 12.44	+18 46.5	1.702	2.609	11.6	20.6
4 21	12 6.11	+19 17.6	1.748	2.590	14.8	20.8
5 1	12 1.81	+19 21.0	1.813	2.571	17.7	21.0

402893 2007 SQ_{9} 3 27.1 209°.02 1°.8/25.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.81	− 0 42.2	1.930	2.758	13.4	22.4
3 2	12 44.74	+ 0 9.1	1.843	2.753	10.0	22.2
3 12	12 37.52	+ 1 11.4	1.781	2.746	6.1	21.9
3 22	12 28.80	+ 2 19.3	1.746	2.738	2.4	21.7
4 1	12 19.47	+ 3 25.7	1.740	2.730	3.6	21.7
4 11	12 10.58	+ 4 23.6	1.763	2.721	7.7	22.0
4 21	12 3.05	+ 5 7.4	1.812	2.712	11.6	22.2
5 1	11 57.55	+ 5 33.9	1.883	2.702	15.0	22.4

424179 2007 HX_{97} 3 27.1 307°.55 3°.9/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 43.16	+ 2 42.0	1.707	2.560	13.7	20.4
3 2	12 40.02	+ 4 10.2	1.623	2.546	10.2	20.1
3 12	12 34.72	+ 5 50.0	1.564	2.532	6.4	19.9
3 22	12 27.87	+ 7 33.1	1.531	2.519	3.9	19.7
4 1	12 20.37	+ 9 9.5	1.526	2.505	5.8	19.8
4 11	12 13.29	+10 29.7	1.547	2.492	9.7	20.0
4 21	12 7.57	+11 27.6	1.592	2.479	13.6	20.2
5 1	12 3.92	+12 0.1	1.657	2.467	17.1	20.4

294141 2007 TM_{302} 3 27.1 59°.28 0°.1/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.17	− 4 28.6	1.387	2.224	17.2	20.9
3 2	12 45.44	− 4 9.7	1.328	2.239	13.0	20.6
3 12	12 38.08	− 3 35.5	1.290	2.254	8.1	20.4
3 22	12 28.97	− 2 50.9	1.276	2.269	2.7	20.1
4 1	12 19.37	− 2 3.1	1.289	2.285	2.7	20.1
4 11	12 10.62	− 1 20.0	1.327	2.300	7.9	20.5
4 21	12 3.79	− 0 48.1	1.390	2.316	12.5	20.8
5 1	11 59.55	− 0 31.5	1.473	2.332	16.4	21.1

227488 2005 XN_{25} 3 27.1 178°.72 1°.8/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.72	+ 0 31.1	2.195	3.022	12.1	20.9
3 2	12 43.60	+ 1 9.6	2.115	3.024	9.0	20.7
3 12	12 36.65	+ 1 55.7	2.060	3.025	5.5	20.5
3 22	12 28.46	+ 2 44.9	2.033	3.025	2.2	20.3
4 1	12 19.83	+ 3 31.6	2.036	3.025	3.2	20.4
4 11	12 11.66	+ 4 10.6	2.067	3.025	6.8	20.6
4 21	12 4.68	+ 4 38.0	2.126	3.024	10.2	20.8
5 1	11 59.47	+ 4 51.4	2.207	3.023	13.2	21.0

434999 2006 UD_{256} 3 27.1 201°.45 2°.8/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 46.66	+ 5 56.0	2.664	3.496	10.0	21.7
3 2	12 41.77	+ 6 32.4	2.583	3.494	7.5	21.5
3 12	12 35.39	+ 7 11.4	2.528	3.491	4.8	21.3
3 22	12 28.01	+ 7 48.9	2.502	3.488	2.9	21.2
4 1	12 20.28	+ 8 20.3	2.506	3.484	4.0	21.3
4 11	12 12.90	+ 8 42.1	2.539	3.481	6.6	21.4
4 21	12 6.49	+ 8 51.8	2.599	3.477	9.3	21.6
5 1	12 1.52	+ 8 48.3	2.682	3.472	11.8	21.8

89481 2001 XH_{27} 3 27.1 136°.50 2°.8/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.76	+ 2 38.9	1.829	2.662	13.9	19.9
3 2	12 46.81	+ 3 26.4	1.764	2.676	10.3	19.7
3 12	12 38.69	+ 4 20.6	1.724	2.689	6.3	19.5
3 22	12 29.15	+ 5 15.4	1.712	2.701	3.0	19.3
4 1	12 19.21	+ 6 3.7	1.728	2.713	4.4	19.4
4 11	12 9.96	+ 6 39.8	1.772	2.724	8.2	19.7
4 21	12 2.29	+ 7 0.0	1.842	2.734	11.8	19.9
5 1	11 56.80	+ 7 2.8	1.934	2.744	15.0	20.2

159796 2003 QT_{109} 3 27.1 248°.51 3°.7/31.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.75	−16 18.6	2.270	3.036	13.7	20.1
3 2	12 42.33	−16 15.6	2.164	3.022	11.1	19.9
3 12	12 36.01	−15 54.2	2.079	3.008	8.1	19.6
3 22	12 28.30	−15 14.9	2.021	2.992	5.2	19.4
4 1	12 19.96	−14 20.2	1.991	2.977	3.7	19.3
4 11	12 11.89	−13 15.4	1.989	2.961	5.7	19.4
4 21	12 4.92	−12 6.7	2.015	2.945	8.9	19.6
5 1	11 59.71	−11 0.9	2.065	2.929	12.1	19.7

49901 1999 XK_{164} 3 27.1 165°.86 4°.8/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.46	+ 5 45.6	1.495	2.346	15.5	18.6
3 2	12 46.39	+ 6 52.3	1.429	2.349	11.6	18.3
3 12	12 38.70	+ 8 5.2	1.386	2.351	7.5	18.1
3 22	12 29.21	+ 9 15.4	1.368	2.353	4.8	18.0
4 1	12 19.13	+10 13.4	1.378	2.355	6.6	18.1
4 11	12 9.78	+10 51.6	1.413	2.356	10.6	18.3
4 21	12 2.24	+11 6.3	1.471	2.357	14.6	18.5
5 1	11 57.26	+10 57.2	1.549	2.357	18.1	18.8

29155 1988 XE 3 27.1 97°.64 5°.5/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.72	−22 35.6	2.147	2.876	15.4	18.2
3 2	12 44.37	−22 33.7	2.078	2.903	12.8	18.1
3 12	12 37.11	−22 8.6	2.030	2.930	9.9	17.9
3 22	12 28.61	−21 20.9	2.006	2.956	7.1	17.8
4 1	12 19.79	−20 13.8	2.010	2.981	5.5	17.7
4 11	12 11.60	−18 53.5	2.042	3.006	6.4	17.8
4 21	12 4.81	−17 27.7	2.102	3.030	8.8	18.0
5 1	11 59.96	−16 4.1	2.187	3.053	11.4	18.2

463193 2012 BD_{130} 3 27.1 351°.66 0°.7/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.29	− 5 50.9	1.327	2.170	17.5	21.2
3 2	12 42.91	− 5 41.9	1.252	2.165	13.4	20.9
3 12	12 36.77	− 5 15.3	1.197	2.162	8.6	20.7
3 22	12 28.63	− 4 34.8	1.166	2.158	3.2	20.3
4 1	12 19.70	− 3 47.1	1.159	2.156	2.6	20.3
4 11	12 11.40	− 3 0.6	1.178	2.155	8.1	20.6
4 21	12 4.93	− 2 23.2	1.219	2.154	13.1	20.9
5 1	12 1.13	− 2 0.7	1.281	2.154	17.4	21.1

373406 1996 RW_{14} 3 27.1 240°.25 0°.8/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.90	− 6 19.1	2.086	2.894	13.3	21.3
3 2	12 44.76	− 6 12.1	1.988	2.882	10.2	21.0
3 12	12 37.55	− 5 52.9	1.914	2.870	6.6	20.8
3 22	12 28.85	− 5 23.8	1.866	2.857	2.6	20.5
4 1	12 19.48	− 4 48.6	1.848	2.844	2.0	20.4
4 11	12 10.45	− 4 12.8	1.859	2.831	6.1	20.7
4 21	12 2.63	− 3 41.2	1.896	2.817	10.0	20.9
5 1	11 56.74	− 3 18.4	1.958	2.803	13.5	21.1

360371 2002 AS_{200} 3 27.1 15°.56 4°.5/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.32	+ 3 13.0	1.243	2.108	17.0	20.5
3 2	12 42.92	+ 4 25.7	1.182	2.110	12.6	20.2
3 12	12 36.72	+ 5 49.3	1.143	2.113	7.9	20.0
3 22	12 28.58	+ 7 13.4	1.127	2.116	4.6	19.8
4 1	12 19.80	+ 8 26.5	1.136	2.119	6.6	19.9
4 11	12 11.82	+ 9 18.8	1.169	2.123	11.2	20.2
4 21	12 5.79	+ 9 45.1	1.224	2.128	15.6	20.4
5 1	12 2.47	+ 9 44.3	1.297	2.133	19.5	20.7

164356 2005 CF_{73} 3 27.1 228°.03 0°.9/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.70	− 2 9.0	2.175	2.999	12.3	20.9
3 2	12 42.17	− 1 39.0	2.089	2.996	9.2	20.7
3 12	12 35.82	− 0 59.5	2.028	2.992	5.6	20.5
3 22	12 28.22	− 0 14.3	1.994	2.987	1.9	20.2
4 1	12 20.14	+ 0 31.5	1.989	2.983	2.5	20.2
4 11	12 12.46	+ 1 12.5	2.013	2.979	6.3	20.5
4 21	12 5.93	+ 1 44.2	2.064	2.974	9.9	20.7
5 1	12 1.14	+ 2 3.6	2.138	2.969	13.0	20.9

235363 2003 VU_2 3 27.1 132°.66 0°.7/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 54.69	− 0 0.6	2.504	3.312	11.4	20.1
3 2	12 47.75	− 0 5.9	2.427	3.324	8.5	19.9
3 12	12 39.08	− 0 6.0	2.376	3.336	5.2	19.7
3 22	12 29.29	− 0 3.6	2.354	3.347	1.8	19.5
4 1	12 19.16	− 0 1.6	2.365	3.358	2.2	19.5
4 11	12 9.53	− 0 2.9	2.406	3.369	5.6	19.8
4 21	12 1.10	− 0 9.8	2.476	3.379	8.7	20.0
5 1	11 54.41	− 0 23.9	2.571	3.388	11.5	20.2

77425 2001 GY 3 27.1 234°.49 0°.2/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.77	− 4 43.1	2.107	2.927	12.8	19.8
3 2	12 41.54	− 4 9.4	2.021	2.924	9.6	19.6
3 12	12 35.46	− 3 23.5	1.959	2.921	6.0	19.4
3 22	12 28.11	− 2 29.3	1.924	2.917	2.0	19.1
4 1	12 20.27	− 1 31.9	1.918	2.913	2.1	19.1
4 11	12 12.83	− 0 37.7	1.941	2.910	6.1	19.3
4 21	12 6.56	+ 0 8.1	1.990	2.906	9.8	19.6
5 1	12 2.07	+ 0 41.6	2.062	2.902	13.1	19.7

497773 2006 SO_{328} 3 27.1 88°.06 2°.0/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.73	+ 2 24.0	2.405	3.236	11.0	21.9
3 2	12 41.85	+ 2 59.3	2.342	3.252	8.1	21.8
3 12	12 35.43	+ 3 39.4	2.304	3.269	5.0	21.6
3 22	12 28.04	+ 4 20.0	2.295	3.285	2.3	21.4
4 1	12 20.38	+ 4 56.5	2.315	3.302	3.3	21.5
4 11	12 13.21	+ 5 24.7	2.364	3.318	6.3	21.8
4 21	12 7.15	+ 5 41.9	2.440	3.334	9.2	22.0
5 1	12 2.65	+ 5 46.5	2.540	3.350	11.8	22.2

160404 2004 RC_{196} 3 27.1 195°.18 0°.8/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.89	− 3 58.5	1.846	2.650	15.0	19.7
3 2	12 52.48	− 4 24.5	1.756	2.648	11.5	19.4
3 12	12 42.47	− 4 41.5	1.690	2.645	7.4	19.2
3 22	12 30.56	− 4 50.9	1.651	2.642	2.8	18.9
4 1	12 17.87	− 4 55.3	1.642	2.638	2.3	18.8
4 11	12 5.69	− 4 58.6	1.664	2.633	6.9	19.1
4 21	11 55.16	− 5 4.5	1.713	2.628	11.2	19.4
5 1	11 47.09	− 5 16.3	1.786	2.622	14.9	19.6

467758 2009 UH_{99} 3 27.1 286°.27 7°.4/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.37	+16 12.1	1.794	2.639	13.6	20.6
3 2	12 46.78	+17 4.2	1.725	2.633	10.7	20.4
3 12	12 38.83	+17 51.0	1.680	2.626	8.3	20.2
3 22	12 29.27	+18 24.3	1.661	2.620	7.4	20.1
4 1	12 19.17	+18 37.2	1.668	2.614	8.9	20.2
4 11	12 9.72	+18 25.8	1.701	2.607	11.6	20.3
4 21	12 1.89	+17 49.9	1.757	2.601	14.6	20.5
5 1	11 56.36	+16 52.1	1.832	2.595	17.4	20.7

37162 2000 WV_9 3 27.1 323°.52 1°.0/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 43.57	− 7 55.5	2.153	2.965	12.8	19.4
3 2	12 39.92	− 7 34.9	2.060	2.956	9.9	19.2
3 12	12 34.49	− 7 0.4	1.991	2.947	6.4	18.9
3 22	12 27.80	− 6 14.7	1.949	2.939	2.7	18.7
4 1	12 20.59	− 5 22.4	1.934	2.930	1.8	18.6
4 11	12 13.74	− 4 29.1	1.948	2.922	5.6	18.8
4 21	12 7.97	− 3 40.4	1.988	2.915	9.3	19.0
5 1	12 3.90	− 3 1.0	2.053	2.907	12.5	19.2

120714 1997 SQ_3 3 27.1 211°.42 0°.1/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.39	− 4 6.4	1.772	2.589	14.9	20.4
3 2	12 47.68	− 3 58.2	1.683	2.584	11.4	20.2
3 12	12 39.51	− 3 37.8	1.618	2.578	7.2	19.9
3 22	12 29.57	− 3 8.5	1.579	2.572	2.5	19.6
4 1	12 18.89	− 2 35.1	1.569	2.565	2.4	19.6
4 11	12 8.68	− 2 3.7	1.587	2.557	7.1	19.9
4 21	12 0.02	− 1 39.6	1.631	2.549	11.5	20.1
5 1	11 53.68	− 1 27.1	1.698	2.540	15.3	20.3

265585 2005 QL_{153} 3 27.1 127°.79 6°.9/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.83	−22 48.2	2.020	2.749	16.3	21.1
3 2	12 46.35	−23 31.1	1.937	2.758	13.8	20.9
3 12	12 38.60	−23 51.9	1.874	2.767	11.0	20.8
3 22	12 29.23	−23 48.7	1.835	2.776	8.4	20.6
4 1	12 19.23	−23 22.1	1.823	2.784	6.9	20.5
4 11	12 9.72	−22 36.3	1.837	2.792	7.7	20.6
4 21	12 1.68	−21 38.4	1.878	2.800	10.0	20.8
5 1	11 55.82	−20 36.1	1.943	2.807	12.7	20.9

499134 2009 QW_{30} 3 27.1 220°.99 6°.9/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.05	−26 38.8	2.369	3.066	15.0	22.4
3 2	12 44.15	−26 56.4	2.261	3.056	12.9	22.3
3 12	12 37.20	−26 51.2	2.173	3.045	10.6	22.1
3 22	12 28.77	−26 21.3	2.108	3.034	8.4	21.9
4 1	12 19.65	−25 27.2	2.070	3.022	7.0	21.8
4 11	12 10.83	−24 12.9	2.059	3.009	7.4	21.8
4 21	12 3.19	−22 45.2	2.076	2.995	9.3	21.9
5 1	11 57.43	−21 12.1	2.118	2.981	11.9	22.0

271086 2003 QD_4 3 27.1 211°.07 1°.2/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 45.36	− 2 24.0	2.270	3.095	11.8	21.4
3 2	12 41.11	− 1 26.6	2.183	3.090	8.8	21.1
3 12	12 35.15	− 0 18.3	2.120	3.085	5.4	20.9
3 22	12 28.01	+ 0 56.3	2.086	3.079	1.9	20.7
4 1	12 20.42	+ 2 10.9	2.082	3.074	2.8	20.7
4 11	12 13.20	+ 3 19.2	2.107	3.067	6.4	20.9
4 21	12 7.05	+ 4 15.9	2.158	3.061	9.9	21.1
5 1	12 2.54	+ 4 57.6	2.234	3.054	12.9	21.3

379361 2009 WV_{180} 3 27.1 270°.01 2°.2/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.27	+ 0 18.4	1.870	2.709	13.3	21.3
3 2	12 42.13	+ 1 8.8	1.790	2.705	9.9	21.1
3 12	12 35.93	+ 2 9.3	1.733	2.700	6.1	20.8
3 22	12 28.31	+ 3 14.0	1.703	2.695	2.5	20.6
4 1	12 20.15	+ 4 15.9	1.702	2.691	3.8	20.7
4 11	12 12.45	+ 5 8.0	1.727	2.686	7.8	20.9
4 21	12 6.07	+ 5 45.3	1.778	2.681	11.6	21.1
5 1	12 1.67	+ 6 5.0	1.851	2.676	14.9	21.3

435948 2009 CQ_{64} 3 27.1 316°.23 5°.2/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 41.84	+ 7 49.3	1.969	2.825	12.0	20.3
3 2	12 38.78	+ 9 35.2	1.890	2.812	9.0	20.0
3 12	12 33.85	+11 27.0	1.837	2.799	6.3	19.8
3 22	12 27.61	+13 16.2	1.811	2.786	5.3	19.7
4 1	12 20.83	+14 53.2	1.814	2.773	7.1	19.8
4 11	12 14.42	+16 10.5	1.843	2.761	10.2	20.0
4 21	12 9.19	+17 3.4	1.895	2.749	13.3	20.2
5 1	12 5.74	+17 30.6	1.968	2.738	16.1	20.3

175483 2006 RU_{26} 3 27.1 130°.42 4°.1/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.30	+10 18.5	2.783	3.621	9.5	20.8
3 2	12 40.65	+11 25.0	2.724	3.634	7.1	20.7
3 12	12 34.65	+12 31.4	2.692	3.647	5.0	20.6
3 22	12 27.79	+13 32.5	2.688	3.659	4.1	20.5
4 1	12 20.70	+14 23.3	2.715	3.671	5.3	20.6
4 11	12 14.00	+15 0.3	2.770	3.683	7.4	20.8
4 21	12 8.25	+15 21.5	2.850	3.694	9.7	20.9
5 1	12 3.87	+15 26.7	2.953	3.705	11.6	21.1

129078 Animoo 3 27.1 236°.88 1°.4/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.59	− 2 17.5	1.760	2.590	14.5	20.6
3 2	12 44.88	− 1 28.9	1.668	2.578	10.9	20.3
3 12	12 37.81	− 0 26.4	1.599	2.564	6.7	20.1
3 22	12 29.01	+ 0 44.6	1.557	2.551	2.3	19.8
4 1	12 19.45	+ 1 56.8	1.544	2.536	3.4	19.8
4 11	12 10.30	+ 3 1.8	1.558	2.521	8.0	20.0
4 21	12 2.58	+ 3 52.9	1.597	2.505	12.4	20.2
5 1	11 57.08	+ 4 25.8	1.658	2.489	16.1	20.5

423685 2005 YB_{252} 3 27.1 188°.50 6°.2/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.14	+14 50.4	2.319	3.159	11.0	21.1
3 2	12 43.14	+16 13.5	2.253	3.159	8.6	21.0
3 12	12 36.38	+17 34.2	2.213	3.158	6.7	20.8
3 22	12 28.43	+18 45.2	2.202	3.156	6.2	20.8
4 1	12 20.09	+19 40.1	2.218	3.153	7.6	20.9
4 11	12 12.20	+20 14.3	2.262	3.150	9.9	21.0
4 21	12 5.48	+20 26.4	2.329	3.147	12.4	21.2
5 1	12 0.49	+20 17.0	2.416	3.143	14.6	21.3

417934 2007 RU_{310} 3 27.1 243°.75 2°.9/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.84	+ 2 9.2	1.890	2.724	13.4	22.0
3 2	12 45.72	+ 3 4.0	1.794	2.706	10.1	21.8
3 12	12 38.31	+ 4 8.4	1.722	2.687	6.3	21.5
3 22	12 29.19	+ 5 16.3	1.677	2.667	3.1	21.3
4 1	12 19.30	+ 6 20.3	1.661	2.646	4.6	21.3
4 11	12 9.74	+ 7 12.8	1.673	2.624	8.6	21.5
4 21	12 1.53	+ 7 48.6	1.711	2.602	12.6	21.7
5 1	11 55.43	+ 8 4.9	1.770	2.579	16.2	21.9

421291 2013 TG_9 3 27.1 143°.74 2°.6/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.46	−12 24.0	2.054	2.844	14.1	20.8
3 2	12 42.88	−12 17.0	1.969	2.847	11.1	20.6
3 12	12 36.34	−11 52.9	1.908	2.851	7.7	20.4
3 22	12 28.45	−11 13.6	1.872	2.854	4.2	20.2
4 1	12 20.07	−10 22.9	1.864	2.857	2.8	20.1
4 11	12 12.13	− 9 26.6	1.885	2.860	5.7	20.3
4 21	12 5.46	− 8 31.0	1.933	2.863	9.3	20.5
5 1	12 0.68	− 7 42.0	2.005	2.866	12.5	20.7

385454 2003 SP_{168} 3 27.1 189°.96 3°.3/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.35	+ 6 12.4	2.666	3.500	10.0	21.9
3 2	12 41.58	+ 7 16.5	2.587	3.499	7.4	21.7
3 12	12 35.32	+ 8 24.2	2.535	3.497	4.8	21.5
3 22	12 28.07	+ 9 30.1	2.512	3.494	3.3	21.4
4 1	12 20.46	+10 29.0	2.519	3.491	4.5	21.5
4 11	12 13.19	+11 16.1	2.556	3.487	7.1	21.7
4 21	12 6.88	+11 48.7	2.619	3.483	9.7	21.8
5 1	12 2.00	+12 5.2	2.705	3.478	12.1	22.0

277748 2006 DC_{109} 3 27.1 288°.09 1°.5/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 46.92	− 8 26.3	1.956	2.766	14.0	20.9
3 2	12 42.74	− 8 18.4	1.854	2.748	10.9	20.6
3 12	12 36.44	− 7 55.5	1.775	2.730	7.2	20.4
3 22	12 28.55	− 7 19.6	1.722	2.711	3.2	20.1
4 1	12 19.94	− 6 34.8	1.697	2.693	2.2	20.0
4 11	12 11.62	− 5 46.9	1.699	2.674	6.2	20.2
4 21	12 4.51	− 5 2.1	1.728	2.656	10.3	20.4
5 1	11 59.38	− 4 25.9	1.780	2.638	14.0	20.6

208033 1999 QR 3 27.1 188°.97 2°.2/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.15	− 0 35.2	1.887	2.720	13.5	20.6
3 2	12 43.51	+ 0 31.2	1.807	2.719	10.0	20.4
3 12	12 36.79	+ 1 49.2	1.752	2.718	6.1	20.2
3 22	12 28.63	+ 3 12.4	1.725	2.717	2.5	19.9
4 1	12 19.94	+ 4 32.9	1.726	2.715	3.9	20.0
4 11	12 11.74	+ 5 42.9	1.756	2.712	7.9	20.2
4 21	12 4.91	+ 6 36.7	1.811	2.709	11.7	20.5
5 1	12 0.07	+ 7 11.2	1.889	2.705	15.0	20.7

4317 Garibaldi 3 27.1 36°.62 2°.2/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 44.53	+ 4 15.1	2.657	3.491	10.0	16.4
3 2	12 40.15	+ 4 40.5	2.589	3.501	7.4	16.2
3 12	12 34.39	+ 5 9.0	2.547	3.511	4.6	16.1
3 22	12 27.74	+ 5 36.7	2.533	3.522	2.3	15.9
4 1	12 20.84	+ 5 59.9	2.549	3.533	3.3	16.0
4 11	12 14.33	+ 6 15.2	2.593	3.544	6.0	16.2
4 21	12 8.77	+ 6 20.5	2.664	3.555	8.7	16.4
5 1	12 4.60	+ 6 14.7	2.759	3.567	11.0	16.6

109371 2001 QY_{159} 3 27.1 159°.75 0°.6/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.48	− 3 43.5	2.181	2.998	12.5	21.1
3 2	12 43.44	− 3 2.9	2.103	3.004	9.4	20.9
3 12	12 36.60	− 2 11.3	2.049	3.010	5.8	20.7
3 22	12 28.54	− 1 12.9	2.023	3.016	1.9	20.5
4 1	12 20.06	− 0 13.1	2.026	3.020	2.3	20.5
4 11	12 12.06	+ 0 42.0	2.059	3.024	6.2	20.8
4 21	12 5.26	+ 1 27.5	2.119	3.028	9.7	21.0
5 1	12 0.23	+ 2 0.0	2.203	3.031	12.7	21.2

469251 2016 JY_{23} 3 27.1 222°.65 6°.0/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.07	+15 6.7	2.395	3.233	10.8	21.6
3 2	12 43.85	+16 13.6	2.319	3.223	8.5	21.5
3 12	12 36.85	+17 17.8	2.269	3.213	6.6	21.3
3 22	12 28.63	+18 13.0	2.247	3.203	6.0	21.3
4 1	12 19.97	+18 53.0	2.253	3.192	7.3	21.3
4 11	12 11.71	+19 13.9	2.286	3.180	9.6	21.4
4 21	12 4.58	+19 14.0	2.344	3.168	12.1	21.6
5 1	11 59.16	+18 54.1	2.423	3.156	14.4	21.7

203544 2002 CH_{66} 3 27.1 269°.05 4°.2/23.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.79	+ 3 31.3	1.520	2.373	15.1	20.0
3 2	12 43.82	+ 4 45.3	1.439	2.361	11.3	19.8
3 12	12 37.28	+ 6 10.2	1.381	2.349	7.2	19.5
3 22	12 28.88	+ 7 37.2	1.349	2.337	4.3	19.3
4 1	12 19.70	+ 8 56.0	1.344	2.325	6.2	19.4
4 11	12 11.03	+ 9 57.2	1.364	2.312	10.5	19.6
4 21	12 3.98	+10 34.8	1.408	2.300	14.8	19.8
5 1	11 59.38	+10 46.7	1.470	2.287	18.5	20.0

146692 2001 VV_{67} 3 27.1 49°.59 6°.4/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.49	−20 15.7	1.728	2.490	17.5	19.7
3 2	12 44.15	−20 46.8	1.647	2.494	14.6	19.5
3 12	12 37.38	−20 53.8	1.585	2.499	11.3	19.3
3 22	12 28.89	−20 35.5	1.547	2.504	8.1	19.1
4 1	12 19.70	−19 53.5	1.534	2.509	6.4	19.0
4 11	12 11.06	−18 53.8	1.547	2.514	7.7	19.1
4 21	12 3.98	−17 44.6	1.585	2.519	10.7	19.3
5 1	11 59.25	−16 34.9	1.647	2.525	13.9	19.5

301043 2008 TG_{56} 3 27.1 288°.43 0°.7/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.94	− 7 6.2	1.350	2.186	17.7	21.8
3 2	12 44.46	− 6 42.4	1.254	2.163	13.8	21.5
3 12	12 38.02	− 5 57.0	1.178	2.141	8.9	21.1
3 22	12 29.24	− 4 53.1	1.126	2.118	3.4	20.7
4 1	12 19.27	− 3 37.8	1.099	2.095	2.7	20.6
4 11	12 9.63	− 2 21.6	1.097	2.073	8.7	20.9
4 21	12 1.72	− 1 14.8	1.118	2.050	14.3	21.1
5 1	11 56.63	− 0 25.7	1.159	2.027	19.2	21.3

312647 2010 GM_{101} 3 27.1 242°.75 4°.3/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.42	+ 5 9.1	1.708	2.553	14.1	21.1
3 2	12 45.57	+ 6 15.2	1.623	2.540	10.6	20.8
3 12	12 38.29	+ 7 28.9	1.561	2.526	6.9	20.6
3 22	12 29.22	+ 8 42.7	1.526	2.511	4.3	20.4
4 1	12 19.39	+ 9 47.5	1.518	2.496	6.1	20.5
4 11	12 10.01	+10 35.5	1.537	2.480	10.0	20.7
4 21	12 2.14	+11 1.9	1.580	2.463	14.0	20.8
5 1	11 56.57	+11 5.2	1.644	2.446	17.5	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
213682 2002 TX_{111}			3 27.1	246°.75	2°.2/25.1	17
	h m	° ′			°	m
2 21	12 49.81	+ 0 51.8	1.883	2.717	13.5	21.2
3 2	12 44.92	+ 1 33.5	1.790	2.702	10.1	21.0
3 12	12 37.79	+ 2 24.8	1.722	2.687	6.3	20.7
3 22	12 29.04	+ 3 20.4	1.680	2.672	2.6	20.4
4 1	12 19.57	+ 4 13.5	1.667	2.656	3.9	20.5
4 11	12 10.49	+ 4 57.4	1.682	2.639	8.0	20.7
4 21	12 2.75	+ 5 27.0	1.722	2.623	12.0	20.9
5 1	11 57.09	+ 5 39.5	1.784	2.605	15.6	21.1
5460 Tsénaat′a′í			3 27.1	51°.62	0°.4/27.4	18
2 21	12 47.88	− 7 27.2	1.147	1.992	19.6	17.2
3 2	12 44.16	− 6 45.2	1.095	2.009	14.8	16.9
3 12	12 37.51	− 5 40.2	1.062	2.027	9.3	16.7
3 22	12 28.91	− 4 19.1	1.052	2.045	3.3	16.4
4 1	12 19.80	− 2 52.4	1.066	2.063	2.8	16.4
4 11	12 11.70	− 1 32.1	1.106	2.082	8.6	16.8
4 21	12 5.76	− 0 27.8	1.168	2.101	13.7	17.1
5 1	12 2.66	+ 0 14.9	1.249	2.121	17.9	17.4
299291 2005 PK_{17}			3 27.1	137°.20	8°.2/ 6.6	17
2 21	12 51.52	−32 43.8	2.851	3.483	13.9	21.6
3 2	12 45.76	−33 44.5	2.760	3.491	12.4	21.5
3 12	12 38.12	−34 25.3	2.688	3.499	10.8	21.3
3 22	12 29.11	−34 43.6	2.640	3.506	9.3	21.2
4 1	12 19.51	−34 38.3	2.616	3.514	8.3	21.2
4 11	12 10.20	−34 11.3	2.619	3.520	8.3	21.2
4 21	12 2.00	−33 27.0	2.647	3.527	9.1	21.3
5 1	11 55.53	−32 31.3	2.700	3.534	10.5	21.4
161672 2006 DB_{107}			3 27.1	215°.58	0°.2/27.3	18
2 21	12 48.63	− 7 1.8	1.816	2.632	14.7	20.8
3 2	12 44.07	− 6 14.9	1.726	2.626	11.2	20.6
3 12	12 37.26	− 5 10.4	1.659	2.618	7.1	20.3
3 22	12 28.85	− 3 52.6	1.618	2.611	2.5	20.0
4 1	12 19.78	− 2 28.4	1.606	2.602	2.3	20.0
4 11	12 11.14	− 1 6.4	1.622	2.593	7.0	20.2
4 21	12 3.89	+ 0 5.6	1.665	2.583	11.3	20.5
5 1	11 58.78	+ 1 1.9	1.730	2.573	15.0	20.7
365932 2011 YV_{60}			3 27.1	181°.11	2°.1/24.9	18
2 21	12 48.25	− 0 52.3	1.866	2.699	13.6	21.3
3 2	12 43.60	+ 0 12.0	1.788	2.700	10.1	21.1
3 12	12 36.86	+ 1 28.1	1.735	2.701	6.2	20.8
3 22	12 28.68	+ 2 49.6	1.708	2.701	2.5	20.6
4 1	12 19.98	+ 4 8.6	1.711	2.700	3.8	20.7
4 11	12 11.79	+ 5 17.4	1.742	2.699	7.8	20.9
4 21	12 4.97	+ 6 10.3	1.798	2.698	11.7	21.1
5 1	12 0.19	+ 6 44.0	1.877	2.696	15.0	21.4
320934 2008 GS_{128}			3 27.1	11°.85	9°.4/17.6	18
2 21	12 41.13	+12 24.3	1.208	2.091	16.1	19.2
3 2	12 39.10	+14 51.0	1.163	2.094	12.5	19.0
3 12	12 34.39	+17 17.5	1.141	2.098	9.9	18.8
3 22	12 27.87	+19 27.8	1.142	2.103	9.7	18.8
4 1	12 20.79	+21 7.5	1.166	2.110	12.1	19.0
4 11	12 14.52	+22 8.0	1.212	2.117	15.5	19.2
4 21	12 10.12	+22 28.0	1.277	2.126	18.8	19.4
5 1	12 8.27	+22 10.8	1.358	2.136	21.7	19.7
111307 2001 XH_{63}			3 27.1	54°.89	0°.7/27.9	18
2 21	12 45.09	− 7 12.9	2.109	2.922	13.0	19.5
3 2	12 40.92	− 6 47.6	2.040	2.937	9.9	19.3
3 12	12 35.03	− 6 9.3	1.995	2.953	6.3	19.1
3 22	12 28.01	− 5 21.4	1.977	2.968	2.4	18.9
4 1	12 20.65	− 4 29.0	1.987	2.984	1.8	18.9
4 11	12 13.80	− 3 37.6	2.026	2.999	5.5	19.2
4 21	12 8.15	− 2 52.6	2.092	3.015	9.0	19.4
5 1	12 4.22	− 2 17.8	2.181	3.031	12.1	19.6
426394 2013 PJ_{32}			3 27.1	138°.24	0°.3/27.5	16
2 21	12 46.31	− 7 25.9	2.126	2.936	13.0	21.8
3 2	12 41.88	− 6 36.7	2.048	2.944	9.9	21.6
3 12	12 35.65	− 5 32.8	1.995	2.952	6.2	21.4
3 22	12 28.24	− 4 18.5	1.968	2.960	2.3	21.2
4 1	12 20.43	− 2 59.8	1.972	2.968	1.9	21.2
4 11	12 13.09	− 1 43.7	2.004	2.975	5.8	21.4
4 21	12 6.96	− 0 36.3	2.064	2.982	9.5	21.7
5 1	12 2.59	+ 0 17.8	2.148	2.988	12.6	21.9
66542 1999 RT_{118}			3 27.1	252°.56	1°.2/25.7	18
2 21	12 45.09	− 3 28.2	2.115	2.940	12.5	19.5
3 2	12 41.15	− 2 22.3	2.018	2.925	9.4	19.3
3 12	12 35.33	− 1 2.4	1.946	2.911	5.8	19.0
3 22	12 28.17	+ 0 26.3	1.902	2.896	2.0	18.7
4 1	12 20.45	+ 1 56.8	1.888	2.880	2.9	18.8
4 11	12 13.04	+ 3 21.4	1.903	2.864	6.9	19.0
4 21	12 6.75	+ 4 33.5	1.944	2.848	10.7	19.2
5 1	12 2.21	+ 5 28.5	2.008	2.832	14.0	19.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
459082 2012 BQ_{57}			3 27.1	45°.52	4°.0/30.3	16
	h m	° ′			°	m
2 21	12 48.65	−13 31.8	1.447	2.254	18.2	21.5
3 2	12 44.50	−13 42.1	1.376	2.261	14.5	21.3
3 12	12 37.69	−13 29.5	1.325	2.269	10.2	21.0
3 22	12 29.02	−12 55.0	1.296	2.277	5.9	20.8
4 1	12 19.67	−12 2.9	1.294	2.285	4.1	20.7
4 11	12 11.02	−11 1.6	1.316	2.294	7.3	20.9
4 21	12 4.19	− 9 59.9	1.364	2.303	11.6	21.2
5 1	11 59.93	− 9 6.2	1.433	2.312	15.6	21.5
33286 1998 KA			3 27.1	5°.94	1°.5/28.7	18
2 21	12 43.96	− 9 28.8	2.020	2.829	13.6	18.4
3 2	12 40.30	− 9 10.8	1.937	2.829	10.6	18.2
3 12	12 34.77	− 8 37.4	1.877	2.830	7.0	17.9
3 22	12 27.96	− 7 51.2	1.843	2.831	3.2	17.7
4 1	12 20.68	− 6 56.8	1.837	2.833	2.1	17.6
4 11	12 13.83	− 6 0.4	1.859	2.835	5.7	17.9
4 21	12 8.18	− 5 7.9	1.907	2.837	9.4	18.1
5 1	12 4.32	− 4 24.7	1.979	2.840	12.7	18.3
122257 2000 OW_{42}			3 27.1	142°.45	6°.6/ 2.9	18
2 21	12 51.12	−23 22.8	2.211	2.931	15.3	19.4
3 2	12 45.69	−23 59.8	2.124	2.939	13.0	19.2
3 12	12 38.15	−24 15.7	2.058	2.947	10.4	19.1
3 22	12 29.14	−24 9.1	2.017	2.954	8.0	18.9
4 1	12 19.54	−23 40.4	2.002	2.961	6.6	18.9
4 11	12 10.38	−22 53.9	2.014	2.967	7.3	18.9
4 21	12 2.54	−21 55.8	2.053	2.973	9.4	19.1
5 1	11 56.70	−20 53.3	2.117	2.979	11.9	19.2
83041 2001 QT_{193}			3 27.1	66°.32	5°.3/ 2.9	18
2 21	12 44.61	−22 47.2	2.176	2.913	15.1	18.8
3 2	12 40.68	−22 36.8	2.099	2.928	12.6	18.7
3 12	12 34.93	−22 2.9	2.042	2.944	9.7	18.5
3 22	12 28.00	−21 6.4	2.009	2.960	7.0	18.4
4 1	12 20.69	−19 50.4	2.003	2.976	5.4	18.3
4 11	12 13.88	−18 21.4	2.025	2.992	6.2	18.4
4 21	12 8.32	−16 47.1	2.075	3.008	8.6	18.6
5 1	12 4.54	−15 15.3	2.149	3.024	11.3	18.8
499315 2009 WH_{86}			3 27.1	50°.76	4°.1/30.8	17
2 21	12 47.74	−14 50.3	1.737	2.526	16.3	20.9
3 2	12 43.41	−15 1.2	1.663	2.537	13.1	20.7
3 12	12 36.82	−14 51.4	1.611	2.548	9.4	20.5
3 22	12 28.68	−14 21.9	1.583	2.559	5.7	20.3
4 1	12 20.02	−13 36.3	1.582	2.571	4.1	20.2
4 11	12 11.95	−12 41.0	1.607	2.582	6.5	20.4
4 21	12 5.41	−11 43.7	1.658	2.594	10.1	20.6
5 1	12 1.06	−10 51.4	1.732	2.606	13.6	20.9
138810 2000 TB_{50}			3 27.1	74°.88	2°.1/24.9	17
2 21	12 48.30	+ 3 1.9	2.262	3.093	11.6	19.4
3 2	12 43.19	+ 3 24.5	2.194	3.104	8.6	19.3
3 12	12 36.38	+ 3 51.5	2.151	3.115	5.3	19.1
3 22	12 28.47	+ 4 18.7	2.136	3.126	2.4	18.9
4 1	12 20.25	+ 4 41.8	2.150	3.137	3.4	19.0
4 11	12 12.52	+ 4 56.6	2.193	3.148	6.6	19.2
4 21	12 5.98	+ 5 0.7	2.262	3.159	9.7	19.4
5 1	12 1.14	+ 4 52.8	2.355	3.170	12.4	19.6
106064 2000 SA_{323}			3 27.1	293°.44	7°.5/ 5.9	18
2 21	12 43.91	−29 46.4	2.347	3.032	15.4	19.8
3 2	12 40.33	−29 53.1	2.243	3.023	13.5	19.6
3 12	12 34.85	−29 34.4	2.157	3.015	11.3	19.5
3 22	12 28.02	−28 48.6	2.094	3.006	9.2	19.3
4 1	12 20.63	−27 36.4	2.056	2.998	7.7	19.2
4 11	12 13.58	−26 2.5	2.044	2.989	7.7	19.2
4 21	12 7.70	−24 14.0	2.059	2.981	9.2	19.3
5 1	12 3.61	−22 19.9	2.099	2.973	11.5	19.4
100531 1997 CP_{12}			3 27.1	109°.30	1°.1/26.1	18
2 21	12 50.34	− 2 45.6	1.756	2.584	14.6	20.7
3 2	12 45.12	− 2 1.3	1.693	2.601	10.9	20.5
3 12	12 37.74	− 1 5.0	1.654	2.618	6.6	20.3
3 22	12 28.96	− 0 2.3	1.641	2.634	2.2	20.0
4 1	12 19.80	+ 0 59.7	1.656	2.650	3.0	20.1
4 11	12 11.32	+ 1 54.0	1.700	2.665	7.3	20.4
4 21	12 4.41	+ 2 35.3	1.769	2.680	11.2	20.7
5 1	11 59.65	+ 3 0.4	1.861	2.694	14.5	20.9
38914 2000 SQ_{186}			3 27.1	126°.66	2°.9/29.7	18
2 21	12 48.91	−12 58.0	1.643	2.443	16.7	19.2
3 2	12 44.40	−12 39.9	1.566	2.450	13.2	19.0
3 12	12 37.50	−11 59.7	1.511	2.457	9.0	18.8
3 22	12 28.93	−10 59.8	1.480	2.464	4.8	18.5
4 1	12 19.79	− 9 45.8	1.476	2.470	3.1	18.4
4 11	12 11.25	− 8 26.4	1.500	2.477	6.7	18.7
4 21	12 4.34	− 7 10.3	1.549	2.483	10.9	18.9
5 1	11 59.75	− 6 5.1	1.621	2.488	14.7	19.2

188652 2005 SZ_{43} 3 27.1 229°.13 1°.2/28.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 47.37	− 8 30.2	1.889	2.699	14.4	20.9
3 2	12 43.03	− 8 7.4	1.801	2.695	11.1	20.7
3 12	12 36.57	− 7 28.4	1.736	2.691	7.3	20.5
3 22	12 28.62	− 6 36.0	1.696	2.686	3.1	20.2
4 1	12 20.07	− 5 35.6	1.685	2.682	2.1	20.1
4 11	12 11.95	− 4 33.9	1.702	2.677	6.3	20.4
4 21	12 5.17	− 3 37.8	1.746	2.672	10.4	20.6
5 1	12 0.40	− 2 52.8	1.812	2.667	13.9	20.8

117382 2004 YE_{2} 3 27.1 58°.56 6°.7/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.57	+ 8 43.4	1.308	2.174	16.3	19.4
3 2	12 44.37	+10 18.4	1.263	2.188	12.2	19.2
3 12	12 37.50	+11 55.8	1.240	2.203	8.4	19.1
3 22	12 28.90	+13 23.5	1.241	2.218	6.7	19.0
4 1	12 19.89	+14 30.6	1.267	2.233	8.7	19.2
4 11	12 11.82	+15 9.7	1.318	2.249	12.4	19.4
4 21	12 5.72	+15 19.0	1.389	2.264	16.0	19.7
5 1	12 2.22	+15 0.4	1.479	2.280	19.2	19.9

501160 2013 TD_{79} 3 27.1 122°.35 1°.3/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.76	− 4 59.6	1.915	2.719	14.5	20.9
3 2	12 49.99	− 5 33.4	1.832	2.723	11.1	20.7
3 12	12 40.87	− 5 58.1	1.773	2.727	7.2	20.5
3 22	12 30.09	− 6 14.5	1.741	2.731	3.0	20.2
4 1	12 18.68	− 6 24.9	1.739	2.734	2.2	20.1
4 11	12 7.82	− 6 32.5	1.766	2.738	6.4	20.4
4 21	11 58.49	− 6 40.9	1.821	2.741	10.4	20.7
5 1	11 51.44	− 6 53.4	1.900	2.745	13.8	20.9

57621 2001 TN_{151} 3 27.1 138°.77 2°.6/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.17	+ 4 49.1	2.674	3.506	10.0	20.2
3 2	12 41.38	+ 5 35.9	2.605	3.516	7.4	20.0
3 12	12 35.18	+ 6 26.0	2.562	3.525	4.7	19.9
3 22	12 28.06	+ 7 14.9	2.548	3.534	2.7	19.8
4 1	12 20.66	+ 7 58.2	2.564	3.543	3.8	19.8
4 11	12 13.66	+ 8 31.7	2.609	3.551	6.4	20.0
4 21	12 7.63	+ 8 52.9	2.681	3.559	9.1	20.2
5 1	12 3.02	+ 9 0.6	2.776	3.566	11.4	20.4

411248 2010 RL_{80} 3 27.1 165°.62 0°.6/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.18	− 4 40.3	1.802	2.626	14.4	21.5
3 2	12 43.62	− 3 52.5	1.724	2.629	10.8	21.3
3 12	12 36.91	− 2 50.0	1.669	2.632	6.7	21.0
3 22	12 28.73	− 1 37.9	1.641	2.634	2.2	20.7
4 1	12 20.01	− 0 23.4	1.641	2.636	2.6	20.8
4 11	12 11.82	+ 0 45.6	1.670	2.638	7.1	21.0
4 21	12 5.07	+ 1 42.6	1.724	2.639	11.2	21.3
5 1	12 0.40	+ 2 23.2	1.801	2.640	14.7	21.5

69496 Zaoryuzan 3 27.1 84°.84 0°.6/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.08	− 3 59.9	1.558	2.390	15.9	19.7
3 2	12 45.16	− 3 22.4	1.498	2.407	11.9	19.5
3 12	12 37.87	− 2 30.7	1.460	2.424	7.3	19.3
3 22	12 29.03	− 1 30.4	1.447	2.441	2.4	19.0
4 1	12 19.77	− 0 29.0	1.463	2.457	2.8	19.1
4 11	12 11.28	+ 0 25.6	1.505	2.474	7.6	19.4
4 21	12 4.52	+ 1 7.4	1.572	2.490	11.8	19.7
5 1	12 0.11	+ 1 32.6	1.661	2.506	15.4	19.9

56496 2000 GE_{138} 3 27.1 333°.19 3°.4/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.17	+ 3 7.3	1.225	2.084	17.6	19.1
3 2	12 46.86	+ 3 30.5	1.153	2.077	13.3	18.8
3 12	12 39.42	+ 4 2.0	1.102	2.071	8.3	18.5
3 22	12 29.70	+ 4 34.8	1.074	2.065	3.8	18.2
4 1	12 19.07	+ 5 0.4	1.070	2.060	5.4	18.3
4 11	12 9.18	+ 5 11.3	1.092	2.055	10.5	18.5
4 21	12 1.39	+ 5 3.2	1.135	2.051	15.5	18.8
5 1	11 56.61	+ 4 34.8	1.196	2.048	19.8	19.0

419777 2010 VG_{165} 3 27.1 108°.68 2°.6/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.83	−12 51.5	1.977	2.763	14.7	22.0
3 2	12 44.60	−12 36.3	1.907	2.783	11.6	21.8
3 12	12 37.38	−12 2.9	1.859	2.802	7.9	21.6
3 22	12 28.85	−11 13.8	1.838	2.820	4.2	21.5
4 1	12 19.94	−10 13.6	1.845	2.838	2.8	21.4
4 11	12 11.64	− 9 8.9	1.881	2.856	5.8	21.6
4 21	12 4.76	− 8 6.5	1.944	2.873	9.3	21.9
5 1	11 59.87	− 7 12.1	2.031	2.889	12.5	22.1

426807 2013 TT_{137} 3 27.1 110°.78 3°.0/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.80	+ 3 38.7	1.973	2.814	12.7	21.3
3 2	12 43.11	+ 4 25.8	1.904	2.819	9.4	21.1
3 12	12 36.48	+ 5 18.6	1.858	2.824	5.9	20.9
3 22	12 28.56	+ 6 11.3	1.840	2.829	3.1	20.7
4 1	12 20.22	+ 6 57.6	1.851	2.834	4.5	20.8
4 11	12 12.41	+ 7 31.9	1.889	2.839	7.9	21.0
4 21	12 5.92	+ 7 50.8	1.952	2.844	11.3	21.2
5 1	12 1.34	+ 7 52.9	2.037	2.848	14.3	21.4

140558 2001 TO_{204} 3 27.1 191°.83 3°.2/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 47.85	+ 6 28.8	2.450	3.284	10.7	20.4
3 2	12 42.83	+ 7 5.7	2.372	3.283	8.0	20.2
3 12	12 36.18	+ 7 45.0	2.320	3.282	5.2	20.0
3 22	12 28.44	+ 8 22.0	2.296	3.281	3.2	19.9
4 1	12 20.32	+ 8 52.1	2.302	3.279	4.4	20.0
4 11	12 12.61	+ 9 11.2	2.337	3.277	7.1	20.1
4 21	12 5.96	+ 9 17.1	2.397	3.275	10.0	20.3
5 1	12 0.91	+ 9 8.7	2.481	3.273	12.6	20.5

379897 2012 JF_{2} 3 27.1 291°.68 2°.0/25.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 43.76	− 2 42.5	1.726	2.566	14.2	20.4
3 2	12 40.54	− 1 22.9	1.636	2.552	10.6	20.2
3 12	12 35.14	+ 0 13.7	1.570	2.537	6.5	19.9
3 22	12 28.18	+ 2 0.5	1.530	2.523	2.4	19.6
4 1	12 20.53	+ 3 47.9	1.519	2.509	3.9	19.7
4 11	12 13.29	+ 5 25.7	1.534	2.495	8.4	19.9
4 21	12 7.38	+ 6 45.8	1.575	2.481	12.7	20.1
5 1	12 3.53	+ 7 43.1	1.637	2.467	16.4	20.3

58554 1997 HX 3 27.1 19°.20 0°.4/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 44.60	− 3 37.8	2.151	2.976	12.4	19.7
3 2	12 40.62	− 3 10.1	2.073	2.979	9.3	19.5
3 12	12 34.91	− 2 32.1	2.019	2.981	5.7	19.3
3 22	12 28.02	− 1 47.3	1.991	2.984	1.9	19.0
4 1	12 20.73	− 1 0.9	1.993	2.988	2.1	19.0
4 11	12 13.85	− 0 18.1	2.022	2.991	6.0	19.3
4 21	12 8.12	+ 0 16.5	2.078	2.995	9.5	19.5
5 1	12 4.07	+ 0 39.5	2.158	2.999	12.5	19.7

130847 2000 UB_{64} 3 27.1 109°.57 2°.5/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.68	−12 3.8	2.236	3.016	13.4	21.6
3 2	12 45.03	−12 2.3	2.165	3.037	10.5	21.5
3 12	12 37.56	−11 45.8	2.117	3.058	7.2	21.3
3 22	12 28.92	−11 16.0	2.096	3.078	3.9	21.1
4 1	12 19.94	−10 36.3	2.105	3.097	2.6	21.1
4 11	12 11.50	− 9 51.9	2.143	3.116	5.3	21.3
4 21	12 4.34	− 9 8.0	2.209	3.135	8.5	21.5
5 1	11 59.00	− 8 29.5	2.300	3.152	11.4	21.7

206245 2002 XU_{17} 3 27.1 83°.51 1°.1/25.9 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.65	− 1 33.4	2.192	3.018	12.1	20.3
3 2	12 42.01	− 0 58.4	2.126	3.033	9.0	20.2
3 12	12 35.69	− 0 15.0	2.084	3.048	5.5	20.0
3 22	12 28.28	+ 0 32.7	2.070	3.063	1.9	19.7
4 1	12 20.55	+ 1 19.3	2.085	3.078	2.6	19.8
4 11	12 13.33	+ 1 59.9	2.129	3.092	6.1	20.1
4 21	12 7.29	+ 2 30.4	2.199	3.107	9.5	20.3
5 1	12 2.95	+ 2 48.4	2.293	3.121	12.3	20.5

498336 2007 VZ_{235} 3 27.1 118°.41 1°.7/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.19	−10 26.5	2.366	3.159	12.4	22.3
3 2	12 41.67	−10 11.2	2.285	3.167	9.6	22.1
3 12	12 35.50	− 9 42.0	2.228	3.175	6.5	21.9
3 22	12 28.23	− 9 1.3	2.198	3.184	3.1	21.7
4 1	12 20.58	− 8 12.8	2.197	3.191	2.0	21.7
4 11	12 13.34	− 7 21.6	2.225	3.199	5.0	21.9
4 21	12 7.19	− 6 32.8	2.280	3.207	8.3	22.1
5 1	12 2.65	− 5 51.0	2.361	3.214	11.2	22.3

48471 Orchiston 3 27.1 224°.83 0°.9/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.84	− 6 32.8	1.984	2.790	14.0	19.9
3 2	12 46.38	− 6 27.8	1.888	2.781	10.8	19.7
3 12	12 38.70	− 6 9.9	1.816	2.771	7.0	19.4
3 22	12 29.40	− 5 41.5	1.770	2.761	2.8	19.1
4 1	12 19.41	− 5 6.5	1.753	2.750	2.1	19.1
4 11	12 9.78	− 4 30.4	1.766	2.738	6.3	19.3
4 21	12 1.47	− 3 58.5	1.805	2.726	10.4	19.5
5 1	11 55.22	− 3 35.6	1.868	2.713	14.0	19.7

130983 2000 WM_{130} 3 27.1 126°.44 7°.3/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.16	+13 29.1	1.705	2.555	13.9	19.8
3 2	12 45.85	+15 3.0	1.655	2.567	10.8	19.6
3 12	12 38.25	+16 34.2	1.629	2.579	8.1	19.5
3 22	12 29.18	+17 52.7	1.629	2.590	7.3	19.5
4 1	12 19.72	+18 50.0	1.656	2.601	9.0	19.6
4 11	12 11.02	+19 20.7	1.709	2.611	11.8	19.8
4 21	12 3.99	+19 24.1	1.784	2.621	14.8	20.0
5 1	11 59.24	+19 2.2	1.877	2.630	17.3	20.2

211893 2004 JW_{27} 3 27.1 274°.85 4°.5/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.34	+10 38.8	2.332	3.171	11.0	20.0
3 2	12 43.35	+11 18.6	2.249	3.160	8.4	19.8
3 12	12 36.60	+11 58.2	2.192	3.149	5.8	19.7
3 22	12 28.63	+12 32.2	2.163	3.138	4.5	19.6
4 1	12 20.20	+12 55.4	2.163	3.127	5.8	19.6
4 11	12 12.15	+13 3.8	2.190	3.116	8.4	19.8
4 21	12 5.23	+12 55.8	2.242	3.105	11.2	19.9
5 1	12 0.00	+12 31.2	2.317	3.093	13.8	20.1

470927 2009 *FZ* 3 27.1 334°.46 1°.4/28.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 54.83	− 4 32.9	1.944	2.752	14.1	20.0
3 2	12 48.68	− 5 17.7	1.850	2.743	10.9	19.8
3 12	12 40.16	− 5 54.9	1.780	2.735	7.1	19.6
3 22	12 29.92	− 6 25.2	1.738	2.728	3.1	19.3
4 1	12 18.92	− 6 49.9	1.725	2.720	2.3	19.2
4 11	12 8.32	− 7 11.5	1.741	2.714	6.4	19.5
4 21	11 59.12	− 7 32.9	1.784	2.707	10.4	19.7
5 1	11 52.12	− 7 57.1	1.852	2.701	13.9	19.9

140024 2001 SC_{57} 3 27.1 164°.87 0°.5/26.5 18

2 21	12 43.96	− 4 36.2	2.501	3.317	11.1	20.0
3 2	12 39.93	− 3 44.1	2.418	3.319	8.3	19.8
3 12	12 34.39	− 2 41.1	2.360	3.322	5.1	19.6
3 22	12 27.85	− 1 31.1	2.330	3.324	1.7	19.4
4 1	12 20.96	− 0 19.5	2.331	3.325	2.0	19.4
4 11	12 14.42	+ 0 48.1	2.361	3.327	5.5	19.6
4 21	12 8.85	+ 1 46.8	2.419	3.328	8.6	19.8
5 1	12 4.73	+ 2 33.2	2.501	3.329	11.4	20.0

246181 2007 RP_{47} 3 27.1 331°.47 0°.2/27.1 18

2 21	12 46.23	− 5 40.2	1.341	2.184	17.4	20.4
3 2	12 42.92	− 5 6.1	1.264	2.178	13.3	20.2
3 12	12 36.87	− 4 12.4	1.207	2.172	8.4	19.9
3 22	12 28.84	− 3 4.2	1.173	2.167	2.9	19.5
4 1	12 19.99	− 1 49.9	1.166	2.162	2.8	19.5
4 11	12 11.74	− 0 39.8	1.183	2.157	8.4	19.8
4 21	12 5.28	+ 0 17.2	1.224	2.153	13.5	20.1
5 1	12 1.46	+ 0 55.0	1.284	2.150	17.9	20.3

258233 2001 TP_{110} 3 27.1 80°.86 2°.8/29.9 18

2 21	12 50.09	−13 11.9	1.847	2.636	15.5	20.4
3 2	12 44.83	−12 55.1	1.788	2.664	12.2	20.2
3 12	12 37.52	−12 19.0	1.750	2.693	8.3	20.0
3 22	12 28.92	−11 26.5	1.739	2.721	4.5	19.9
4 1	12 20.01	−10 22.7	1.755	2.748	2.9	19.8
4 11	12 11.83	− 9 14.9	1.800	2.775	5.9	20.1
4 21	12 5.18	− 8 10.2	1.872	2.802	9.5	20.3
5 1	12 0.62	− 7 14.6	1.968	2.828	12.7	20.6

319765 2006 UJ_{214} 3 27.1 61°.00 1°.3/28.1 18

2 21	12 49.16	− 7 34.8	1.583	2.404	16.2	20.6
3 2	12 44.60	− 7 25.2	1.513	2.414	12.4	20.4
3 12	12 37.63	− 6 59.0	1.466	2.423	8.0	20.1
3 22	12 29.02	− 6 19.4	1.443	2.433	3.3	19.9
4 1	12 19.87	− 5 32.2	1.447	2.443	2.3	19.8
4 11	12 11.39	− 4 44.7	1.478	2.453	6.9	20.1
4 21	12 4.57	− 4 3.5	1.534	2.464	11.3	20.4
5 1	12 0.10	− 3 33.8	1.612	2.474	15.0	20.6

505419 2013 RE_{22} 3 27.1 185°.34 2°.3/29.3 17

2 21	12 51.51	−10 33.7	2.337	3.119	12.9	22.0
3 2	12 45.77	−10 42.5	2.244	3.119	10.1	21.8
3 12	12 38.14	−10 38.4	2.176	3.119	6.9	21.6
3 22	12 29.18	−10 22.3	2.134	3.118	3.6	21.4
4 1	12 19.69	− 9 56.9	2.123	3.116	2.5	21.3
4 11	12 10.57	− 9 26.4	2.141	3.114	5.4	21.5
4 21	12 2.62	− 8 55.4	2.188	3.111	8.7	21.7
5 1	11 56.44	− 8 28.5	2.259	3.108	11.8	21.8

338360 2002 XO_{50} 3 27.1 167°.91 4°.8/21.1 17

2 21	12 47.34	+12 14.4	2.547	3.385	10.2	21.0
3 2	12 42.39	+13 12.5	2.480	3.388	7.8	20.9
3 12	12 35.88	+14 9.3	2.439	3.391	5.7	20.7
3 22	12 28.36	+14 59.3	2.426	3.393	4.8	20.7
4 1	12 20.52	+15 37.4	2.443	3.395	6.0	20.8
4 11	12 13.10	+15 59.8	2.487	3.397	8.3	20.9
4 21	12 6.73	+16 5.1	2.556	3.398	10.7	21.1
5 1	12 1.90	+15 53.3	2.648	3.399	12.8	21.2

315450 2007 XQ_5 3 27.1 104°.41 0°.8/26.4 18

2 21	12 50.40	− 3 54.9	1.750	2.574	14.8	21.8
3 2	12 45.16	− 3 6.1	1.689	2.595	11.0	21.6
3 12	12 37.78	− 2 4.2	1.652	2.615	6.7	21.4
3 22	12 29.03	− 0 54.8	1.641	2.635	2.2	21.1
4 1	12 19.92	+ 0 14.7	1.660	2.654	2.7	21.2
4 11	12 11.53	+ 1 16.8	1.706	2.672	7.1	21.5
4 21	12 4.71	+ 2 5.8	1.778	2.690	11.1	21.8
5 1	12 0.04	+ 2 38.3	1.873	2.708	14.4	22.0

210483 1996 RG_7 3 27.1 79°.70 0°.6/27.6 18

2 21	12 52.02	− 5 42.4	1.484	2.310	16.9	21.1
3 2	12 46.81	− 5 32.9	1.420	2.325	12.8	20.8
3 12	12 39.02	− 5 8.0	1.379	2.339	8.1	20.6
3 22	12 29.50	− 4 31.6	1.362	2.354	3.0	20.3
4 1	12 19.47	− 3 49.8	1.372	2.369	2.4	20.3
4 11	12 10.25	− 3 9.9	1.409	2.383	7.4	20.7
4 21	12 2.87	− 2 38.2	1.471	2.397	11.9	21.0
5 1	11 58.04	− 2 19.3	1.554	2.412	15.7	21.2

221861 2008 GR_{59} 3 27.1 326°.50 0°.8/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 45.59	− 3 57.0	1.543	2.383	15.6	20.6
3 2	12 42.11	− 3 17.6	1.462	2.376	11.8	20.3
3 12	12 36.22	− 2 22.2	1.403	2.369	7.3	20.0
3 22	12 28.60	− 1 16.0	1.368	2.362	2.4	19.7
4 1	12 20.27	− 0 6.9	1.361	2.356	3.0	19.7
4 11	12 12.46	+ 0 56.4	1.379	2.350	7.9	20.0
4 21	12 6.20	+ 1 46.5	1.422	2.344	12.5	20.3
5 1	12 2.25	+ 2 18.4	1.485	2.339	16.5	20.5

368625 2004 TC_{216} 3 27.1 184°.53 1°.9/25.3 18

2 21	12 50.17	+ 1 42.4	2.230	3.056	12.0	21.0
3 2	12 44.74	+ 2 7.8	2.148	3.056	8.9	20.8
3 12	12 37.47	+ 2 39.3	2.092	3.056	5.5	20.6
3 22	12 28.95	+ 3 12.5	2.063	3.055	2.3	20.4
4 1	12 19.98	+ 3 42.7	2.065	3.054	3.2	20.4
4 11	12 11.45	+ 4 5.4	2.095	3.053	6.7	20.6
4 21	12 4.11	+ 4 17.3	2.152	3.051	10.1	20.8
5 1	11 58.56	+ 4 16.6	2.233	3.049	13.0	21.0

137041 1998 UG_{43} 3 27.1 106°.99 1°.4/28.3 18 R

2 21	12 51.52	− 7 52.5	1.814	2.622	15.0	19.4
3 2	12 46.07	− 7 47.8	1.744	2.636	11.5	19.2
3 12	12 38.41	− 7 28.3	1.696	2.650	7.5	19.0
3 22	12 29.28	− 6 56.9	1.674	2.663	3.2	18.8
4 1	12 19.69	− 6 18.2	1.680	2.676	2.2	18.7
4 11	12 10.72	− 5 38.1	1.715	2.689	6.3	19.0
4 21	12 3.30	− 5 2.4	1.776	2.701	10.3	19.3
5 1	11 58.04	− 4 35.9	1.860	2.713	13.7	19.5

369675 2011 UY_{278} 3 27.1 124°.89 0°.3/27.4 18

2 21	12 51.92	− 5 51.3	1.793	2.607	14.9	21.9
3 2	12 46.35	− 5 24.9	1.724	2.623	11.3	21.7
3 12	12 38.57	− 4 44.4	1.678	2.637	7.1	21.5
3 22	12 29.33	− 3 53.9	1.659	2.651	2.5	21.2
4 1	12 19.65	− 2 59.3	1.669	2.665	2.2	21.2
4 11	12 10.64	− 2 7.6	1.707	2.678	6.7	21.5
4 21	12 3.19	− 1 24.6	1.771	2.690	10.7	21.8
5 1	11 57.93	− 0 54.4	1.858	2.701	14.1	22.0

455600 2004 TM_{49} 3 27.1 120°.02 0°.4/26.7 18

2 21	12 52.02	− 4 34.4	1.808	2.625	14.7	22.2
3 2	12 46.34	− 3 53.7	1.743	2.645	11.0	22.0
3 12	12 38.51	− 2 59.6	1.703	2.664	6.8	21.8
3 22	12 29.30	− 1 57.4	1.689	2.682	2.2	21.5
4 1	12 19.71	− 0 53.7	1.705	2.700	2.5	21.6
4 11	12 10.82	+ 0 4.4	1.749	2.716	6.9	21.9
4 21	12 3.49	+ 0 51.2	1.819	2.732	10.8	22.2
5 1	11 58.33	+ 1 23.1	1.912	2.747	14.1	22.4

144835 2004 JC_{26} 3 27.1 305°.60 6°.3/ 3.4 17

2 21	12 43.45	−24 4.7	2.155	2.886	15.3	20.2
3 2	12 40.16	−24 10.8	2.044	2.867	13.1	20.0
3 12	12 34.89	−23 52.9	1.953	2.847	10.5	19.8
3 22	12 28.14	−23 9.7	1.885	2.828	8.0	19.6
4 1	12 20.70	−22 2.2	1.842	2.809	6.4	19.5
4 11	12 13.53	−20 35.6	1.827	2.790	7.0	19.5
4 21	12 7.50	−18 57.4	1.838	2.771	9.5	19.6
5 1	12 3.33	−17 16.6	1.874	2.753	12.4	19.7

268396 2005 UR_{156} 3 27.1 143°.64 0°.4/26.7 16

2 21	12 48.10	− 4 31.8	2.386	3.197	11.8	22.1
3 2	12 43.02	− 3 47.3	2.311	3.209	8.8	21.9
3 12	12 36.31	− 2 52.2	2.261	3.221	5.4	21.8
3 22	12 28.53	− 1 50.4	2.240	3.233	1.8	21.5
4 1	12 20.43	− 0 47.1	2.248	3.243	2.0	21.6
4 11	12 12.77	+ 0 12.0	2.287	3.253	5.6	21.8
4 21	12 6.23	+ 1 2.4	2.354	3.262	8.9	22.0
5 1	12 1.31	+ 1 40.7	2.445	3.271	11.7	22.2

138587 2000 QF_{143} 3 27.1 200°.84 0°.1/27.0 17

2 21	12 45.28	− 4 31.8	2.947	3.752	9.9	21.5
3 2	12 40.74	− 4 3.5	2.853	3.748	7.4	21.3
3 12	12 34.84	− 3 26.6	2.786	3.744	4.6	21.1
3 22	12 28.04	− 2 43.9	2.747	3.739	1.6	20.9
4 1	12 20.88	− 1 58.9	2.739	3.734	1.6	20.9
4 11	12 13.99	− 1 15.7	2.761	3.728	4.7	21.1
4 21	12 7.93	− 0 37.9	2.811	3.722	7.5	21.2
5 1	12 3.14	− 0 8.3	2.887	3.716	10.0	21.4

272821 2006 AK_{71} 3 27.1 319°.55 5°.0/31.5 17

2 21	12 47.72	−16 36.9	1.818	2.596	16.1	19.9
3 2	12 43.55	−17 1.4	1.727	2.590	13.2	19.7
3 12	12 37.08	−17 5.7	1.656	2.584	9.9	19.5
3 22	12 28.91	−16 49.0	1.610	2.579	6.6	19.3
4 1	12 20.01	−16 13.3	1.590	2.574	5.0	19.2
4 11	12 11.50	−15 24.1	1.596	2.569	6.9	19.3
4 21	12 4.41	−14 28.4	1.629	2.564	10.3	19.5
5 1	11 59.49	−13 33.9	1.684	2.559	13.8	19.7

213020 1995 UK_{82} 3 27.1 194°.97 3°.9/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 46.39	+ 8 56.0	2.489	3.328	10.4	21.3
3 2	12 41.75	+ 9 45.9	2.415	3.327	7.8	21.1
3 12	12 35.54	+10 36.9	2.367	3.326	5.3	20.9
3 22	12 28.28	+11 23.9	2.347	3.325	3.9	20.8
4 1	12 20.67	+12 1.6	2.356	3.323	5.2	20.9
4 11	12 13.44	+12 26.0	2.394	3.322	7.7	21.1
4 21	12 7.25	+12 35.1	2.457	3.320	10.3	21.2
5 1	12 2.59	+12 28.2	2.542	3.318	12.7	21.4

427377 2014 XF_{15} 3 27.1 149°.73 5°.3/21.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.67	+10 32.1	1.972	2.815	12.6	21.3
3 2	12 45.27	+11 35.9	1.910	2.822	9.6	21.1
3 12	12 37.84	+12 39.7	1.872	2.828	6.7	20.9
3 22	12 29.09	+13 36.3	1.861	2.834	5.3	20.8
4 1	12 19.94	+14 18.7	1.878	2.840	6.8	20.9
4 11	12 11.39	+14 42.3	1.923	2.845	9.7	21.1
4 21	12 4.26	+14 45.2	1.992	2.849	12.6	21.3
5 1	11 59.14	+14 27.9	2.082	2.853	15.3	21.5

432335 2009 UO_{145} 3 27.1 111°.71 4°.0/30.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.79	−15 2.1	2.190	2.951	14.3	22.0
3 2	12 47.50	−15 30.0	2.114	2.970	11.5	21.8
3 12	12 39.20	−15 41.7	2.062	2.989	8.3	21.6
3 22	12 29.56	−15 37.2	2.036	3.006	5.3	21.5
4 1	12 19.49	−15 18.6	2.040	3.024	4.0	21.4
4 11	12 9.95	−14 49.9	2.072	3.041	5.9	21.6
4 21	12 1.79	−14 16.6	2.132	3.057	8.8	21.8
5 1	11 55.59	−13 44.0	2.218	3.073	11.7	22.0

433304 2013 NF_{8} 3 27.1 72°.35 7°.5/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.60	−23 49.0	1.794	2.531	17.8	20.7
3 2	12 44.94	−24 26.0	1.720	2.545	15.1	20.5
3 12	12 37.88	−24 37.3	1.664	2.558	12.1	20.4
3 22	12 29.17	−24 20.9	1.631	2.572	9.2	20.2
4 1	12 19.85	−23 38.2	1.623	2.586	7.5	20.2
4 11	12 11.13	−22 35.0	1.641	2.599	8.2	20.2
4 21	12 4.02	−21 19.5	1.685	2.613	10.5	20.4
5 1	11 59.23	−20 1.3	1.751	2.627	13.4	20.6

136022 2002 VV_{82} 3 27.1 148°.04 9°.0/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.47	+28 36.8	2.556	3.371	10.9	20.0
3 2	12 44.07	+29 59.6	2.516	3.378	9.6	19.9
3 12	12 36.96	+31 9.7	2.501	3.384	9.0	19.8
3 22	12 28.76	+32 0.6	2.511	3.390	9.2	19.9
4 1	12 20.28	+32 27.5	2.546	3.395	10.3	19.9
4 11	12 12.35	+32 28.7	2.605	3.400	11.8	20.1
4 21	12 5.67	+32 5.2	2.684	3.405	13.3	20.2
5 1	12 0.74	+31 19.8	2.781	3.410	14.7	20.3

281954 2011 GJ_{55} 3 27.1 259°.99 0°.5/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.25	− 3 55.5	2.149	2.970	12.5	21.4
3 2	12 42.04	− 3 17.6	2.051	2.955	9.5	21.1
3 12	12 35.94	− 2 27.6	1.978	2.940	5.9	20.9
3 22	12 28.49	− 1 29.2	1.932	2.925	2.0	20.6
4 1	12 20.46	− 0 28.0	1.915	2.910	2.3	20.6
4 11	12 12.73	+ 0 29.7	1.927	2.894	6.4	20.8
4 21	12 6.12	+ 1 18.5	1.966	2.879	10.1	21.0
5 1	12 1.26	+ 1 54.1	2.027	2.862	13.4	21.2

497619 2006 QL_{39} 3 27.1 46°.55 0°.8/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 42.68	− 1 25.3	3.646	4.459	8.0	20.2
3 2	12 38.35	− 0 37.0	3.609	4.510	5.8	20.1
3 12	12 33.12	+ 0 15.7	3.598	4.561	3.5	20.0
3 22	12 27.39	+ 1 9.9	3.618	4.611	1.2	19.9
4 1	12 21.59	+ 2 2.1	3.670	4.661	1.8	20.0
4 11	12 16.16	+ 2 49.2	3.752	4.710	4.0	20.2
4 21	12 11.44	+ 3 29.0	3.863	4.759	6.1	20.4
5 1	12 7.74	+ 3 59.9	4.000	4.808	7.9	20.6

429892 2012 TU_{69} 3 27.1 301°.71 1°.4/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 42.92	−11 27.8	1.961	2.766	14.2	21.2
3 2	12 39.70	−10 35.9	1.866	2.756	11.0	20.9
3 12	12 34.54	− 9 23.2	1.794	2.746	7.3	20.7
3 22	12 28.02	− 7 53.4	1.748	2.736	3.3	20.4
4 1	12 20.93	− 6 12.6	1.730	2.726	2.0	20.3
4 11	12 14.22	− 4 29.6	1.741	2.717	6.0	20.5
4 21	12 8.69	− 2 52.9	1.779	2.708	10.0	20.8
5 1	12 5.01	− 1 29.7	1.841	2.699	13.6	21.0

195508 2002 HJ 3 27.1 316°.50 1°.9/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 44.46	− 1 29.9	1.775	2.616	13.9	19.6
3 2	12 40.96	− 0 29.2	1.693	2.609	10.3	19.4
3 12	12 35.36	+ 0 44.6	1.636	2.603	6.3	19.1
3 22	12 28.30	+ 2 5.2	1.604	2.597	2.4	18.9
4 1	12 20.67	+ 3 24.7	1.600	2.591	3.7	18.9
4 11	12 13.49	+ 4 34.9	1.624	2.585	7.9	19.2
4 21	12 7.65	+ 5 29.3	1.672	2.580	11.9	19.4
5 1	12 3.80	+ 6 4.3	1.742	2.575	15.4	19.6

96097 2122 $T\text{-}_{2}$ 3 27.1 146°.57 0°.1/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 51.30	− 5 58.2	1.847	2.660	14.6	21.2
3 2	12 45.89	− 5 20.4	1.773	2.671	11.0	21.0
3 12	12 38.31	− 4 28.0	1.722	2.682	6.9	20.7
3 22	12 29.28	− 3 25.2	1.699	2.691	2.4	20.5
4 1	12 19.78	− 2 18.7	1.704	2.700	2.2	20.5
4 11	12 10.88	− 1 15.6	1.738	2.708	6.7	20.8
4 21	12 3.46	− 0 22.3	1.799	2.715	10.7	21.0
5 1	11 58.18	+ 0 16.8	1.883	2.722	14.2	21.3

60454 2000 CH_{105} 3 27.1 303°.25 0°.0/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 26.81	− 3 50.3	41.638	42.441	0.8	22.8
3 2	12 26.20	− 3 46.5	41.545	42.438	0.6	22.7
3 12	12 25.52	− 3 42.2	41.479	42.436	0.4	22.7
3 22	12 24.79	− 3 37.6	41.443	42.434	0.1	22.7
4 1	12 24.05	− 3 32.9	41.436	42.432	0.1	22.7
4 11	12 23.32	− 3 28.2	41.460	42.430	0.3	22.7
4 21	12 22.63	− 3 23.7	41.512	42.428	0.6	22.7
5 1	12 22.01	− 3 19.6	41.591	42.426	0.8	22.8

146208 2000 UW_{72} 3 27.1 162°.70 1°.6/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.40	−10 8.1	2.590	3.380	11.5	20.3
3 2	12 41.02	− 9 55.5	2.501	3.382	9.0	20.1
3 12	12 35.11	− 9 30.5	2.437	3.384	6.0	20.0
3 22	12 28.16	− 8 55.0	2.400	3.386	2.9	19.8
4 1	12 20.84	− 8 12.3	2.392	3.387	1.9	19.7
4 11	12 13.84	− 7 26.9	2.414	3.389	4.7	19.9
4 21	12 7.81	− 6 43.1	2.464	3.390	7.8	20.1
5 1	12 3.23	− 6 5.2	2.539	3.391	10.5	20.2

312082 2007 TT_{62} 3 27.1 213°.69 0°.1/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.08	− 5 8.5	1.934	2.748	14.0	21.6
3 2	12 45.84	− 4 42.3	1.842	2.740	10.7	21.4
3 12	12 38.40	− 4 2.6	1.773	2.733	6.7	21.1
3 22	12 29.37	− 3 13.0	1.732	2.724	2.4	20.8
4 1	12 19.68	− 2 18.9	1.719	2.715	2.2	20.8
4 11	12 10.39	− 1 26.9	1.735	2.705	6.7	21.1
4 21	12 2.45	− 0 43.0	1.778	2.694	10.8	21.3
5 1	11 56.59	− 0 11.6	1.844	2.683	14.4	21.5

495507 2014 UK_{180} 3 27.1 202°.60 2°.8/24.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.96	+ 2 7.6	1.745	2.585	14.1	21.7
3 2	12 45.10	+ 2 54.1	1.668	2.583	10.5	21.4
3 12	12 37.95	+ 3 49.0	1.615	2.581	6.5	21.2
3 22	12 29.21	+ 4 46.2	1.588	2.578	3.1	21.0
4 1	12 19.88	+ 5 38.2	1.589	2.576	4.5	21.1
4 11	12 11.09	+ 6 18.2	1.617	2.573	8.5	21.3
4 21	12 3.80	+ 6 41.9	1.670	2.569	12.5	21.5
5 1	11 58.71	+ 6 47.0	1.745	2.566	15.9	21.7

368069 2012 JB_{14} 3 27.1 283°.42 1°.5/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.74	− 2 34.8	1.815	2.649	13.9	20.8
3 2	12 42.05	− 1 36.9	1.715	2.627	10.5	20.5
3 12	12 36.17	− 0 23.8	1.639	2.605	6.5	20.2
3 22	12 28.64	+ 0 59.1	1.589	2.582	2.3	19.9
4 1	12 20.35	+ 2 24.0	1.568	2.560	3.4	19.9
4 11	12 12.36	+ 3 42.2	1.574	2.537	7.9	20.2
4 21	12 5.63	+ 4 46.3	1.605	2.514	12.2	20.4
5 1	12 0.95	+ 5 31.2	1.658	2.491	16.0	20.5

199561 2006 EO_{40} 3 27.1 144°.62 1°.8/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.76	− 9 20.5	2.089	2.888	13.6	20.5
3 2	12 43.88	− 9 18.2	2.005	2.891	10.6	20.3
3 12	12 37.04	− 9 1.8	1.944	2.894	7.1	20.1
3 22	12 28.87	− 8 33.4	1.910	2.897	3.4	19.8
4 1	12 20.20	− 7 56.5	1.905	2.900	2.2	19.8
4 11	12 11.96	− 7 16.5	1.928	2.903	5.6	20.0
4 21	12 4.98	− 6 38.6	1.978	2.905	9.3	20.2
5 1	11 59.87	− 6 7.5	2.053	2.908	12.5	20.4

405296 2003 TW_{39} 3 27.1 154°.06 2°.5/29.6 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.46	−12 32.9	1.873	2.665	15.2	22.4
3 2	12 44.60	−12 13.5	1.792	2.671	12.0	22.2
3 12	12 37.58	−11 34.7	1.733	2.677	8.2	22.0
3 22	12 29.07	−10 38.6	1.699	2.683	4.3	21.8
4 1	12 20.02	− 9 30.4	1.693	2.687	2.7	21.7
4 11	12 11.50	− 8 17.3	1.716	2.692	6.1	21.9
4 21	12 4.40	− 7 6.9	1.766	2.696	10.0	22.1
5 1	11 59.41	− 6 5.9	1.839	2.699	13.5	22.4

459963 2014 NQ_{65} 3 27.1 254°.72 2°.6/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.74	+ 0 26.6	1.596	2.435	15.2	21.8
3 2	12 46.11	+ 1 17.2	1.504	2.419	11.5	21.5
3 12	12 38.84	+ 2 20.3	1.435	2.401	7.1	21.2
3 22	12 29.60	+ 3 29.8	1.391	2.383	3.0	20.9
4 1	12 19.45	+ 4 37.0	1.375	2.365	4.5	21.0
4 11	12 9.70	+ 5 33.0	1.386	2.345	9.2	21.2
4 21	12 1.51	+ 6 11.5	1.422	2.326	13.9	21.4
5 1	11 55.78	+ 6 28.6	1.477	2.306	17.9	21.6

311157 2004 TQ_{44} 3 27.1 141°.04 0°.4/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 52.46	− 6 12.7	1.927	2.735	14.3	22.4
3 2	12 46.66	− 5 45.6	1.854	2.749	10.8	22.2
3 12	12 38.75	− 5 4.8	1.805	2.762	6.8	22.0
3 22	12 29.44	− 4 14.2	1.783	2.774	2.5	21.7
4 1	12 19.69	− 3 19.2	1.790	2.786	2.0	21.7
4 11	12 10.55	− 2 26.3	1.826	2.796	6.3	22.0
4 21	12 2.87	− 1 41.3	1.889	2.806	10.2	22.3
5 1	11 57.28	− 1 8.4	1.976	2.815	13.6	22.5

335662 2006 SZ_{128} 3 27.1 120°.08 3°.5/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.87	−18 50.8	2.966	3.703	11.4	21.2
3 2	12 41.16	−18 42.0	2.884	3.721	9.3	21.1
3 12	12 35.09	−18 17.7	2.826	3.738	6.9	20.9
3 22	12 28.14	−17 39.0	2.795	3.755	4.7	20.8
4 1	12 20.92	−16 48.4	2.793	3.772	3.5	20.7
4 11	12 14.07	−15 49.9	2.820	3.788	4.6	20.8
4 21	12 8.12	−14 48.3	2.877	3.804	6.7	21.0
5 1	12 3.53	−13 48.3	2.960	3.819	9.0	21.2

85227 1993 FT_{40} 3 27.1 214°.15 0°.4/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 44.77	− 3 53.9	2.525	3.341	11.0	20.5
3 2	12 40.59	− 3 15.6	2.436	3.337	8.3	20.3
3 12	12 34.87	− 2 27.3	2.372	3.333	5.1	20.1
3 22	12 28.10	− 1 32.6	2.336	3.329	1.7	19.9
4 1	12 20.93	− 0 36.0	2.329	3.324	2.0	19.9
4 11	12 14.09	+ 0 17.2	2.353	3.319	5.4	20.1
4 21	12 8.19	+ 1 2.7	2.403	3.314	8.6	20.3
5 1	12 3.76	+ 1 37.1	2.479	3.309	11.4	20.5

123298 2000 UB_{110} 3 27.1 110°.05 7°.2/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.36	+17 5.5	2.040	2.882	12.3	19.8
3 2	12 44.94	+18 20.9	1.993	2.896	9.7	19.6
3 12	12 37.58	+19 30.2	1.970	2.910	7.7	19.5
3 22	12 29.01	+20 25.8	1.974	2.923	7.3	19.5
4 1	12 20.14	+21 1.3	2.006	2.936	8.6	19.6
4 11	12 11.94	+21 13.3	2.063	2.949	10.9	19.8
4 21	12 5.18	+21 1.8	2.143	2.961	13.3	20.0
5 1	12 0.38	+20 28.8	2.242	2.973	15.4	20.2

291515 2006 DO_{209} 3 27.1 284°.30 0°.7/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.64	− 6 19.1	1.530	2.357	16.4	21.0
3 2	12 45.54	− 6 4.8	1.428	2.332	12.7	20.7
3 12	12 38.67	− 5 32.9	1.347	2.307	8.3	20.3
3 22	12 29.61	− 4 46.3	1.290	2.282	3.2	20.0
4 1	12 19.43	− 3 50.5	1.260	2.256	2.5	19.8
4 11	12 9.49	− 2 53.7	1.256	2.231	8.0	20.1
4 21	12 1.10	− 2 4.2	1.277	2.205	13.2	20.3
5 1	11 55.27	− 1 29.0	1.318	2.179	17.8	20.5

255205 2005 UU_{337} 3 27.1 305°.69 1°.8/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 43.10	−11 10.5	2.232	3.030	12.9	20.8
3 2	12 39.65	−10 45.0	2.131	3.016	10.1	20.6
3 12	12 34.45	−10 3.2	2.053	3.002	6.8	20.4
3 22	12 28.01	− 9 7.1	2.002	2.988	3.4	20.1
4 1	12 21.03	− 8 1.1	1.979	2.974	2.1	20.0
4 11	12 14.34	− 6 51.1	1.985	2.961	5.4	20.2
4 21	12 8.68	− 5 43.6	2.017	2.948	8.9	20.4
5 1	12 4.66	− 4 44.3	2.074	2.935	12.2	20.6

55653 4088 P–L 3 27.1 61°.51 1°.5/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.96	− 8 33.6	1.540	2.359	16.7	19.1
3 2	12 45.15	− 8 22.0	1.482	2.380	12.8	18.9
3 12	12 37.94	− 7 52.6	1.445	2.401	8.3	18.7
3 22	12 29.18	− 7 9.2	1.433	2.422	3.6	18.4
4 1	12 20.01	− 6 17.6	1.448	2.444	2.4	18.4
4 11	12 11.64	− 5 25.7	1.489	2.465	6.8	18.7
4 21	12 5.01	− 4 40.2	1.556	2.487	11.0	19.0
5 1	12 0.77	− 4 6.5	1.645	2.509	14.7	19.3

176041 2000 SM_{254} 3 27.1 112°.05 1°.7/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 43.88	− 0 9.6	2.638	3.465	10.3	20.6
3 2	12 39.75	+ 0 58.6	2.570	3.479	7.6	20.4
3 12	12 34.24	+ 2 14.0	2.528	3.493	4.6	20.2
3 22	12 27.86	+ 3 31.9	2.516	3.507	2.0	20.1
4 1	12 21.22	+ 4 46.5	2.534	3.521	3.0	20.2
4 11	12 14.97	+ 5 52.8	2.582	3.534	5.9	20.4
4 21	12 9.65	+ 6 46.9	2.657	3.547	8.7	20.6
5 1	12 5.71	+ 7 26.5	2.756	3.560	11.1	20.8

213014 1995 SS_{41} 3 27.1 60°.42 0°.8/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 43.26	− 4 42.9	2.102	2.927	12.6	20.7
3 2	12 39.63	− 3 34.0	2.034	2.941	9.4	20.5
3 12	12 34.31	− 2 12.2	1.991	2.955	5.7	20.3
3 22	12 27.91	− 0 43.0	1.975	2.968	1.9	20.1
4 1	12 21.18	+ 0 46.4	1.989	2.982	2.5	20.1
4 11	12 14.93	+ 2 8.7	2.031	2.996	6.3	20.4
4 21	12 9.84	+ 3 18.4	2.100	3.010	9.7	20.6
5 1	12 6.40	+ 4 11.5	2.193	3.025	12.7	20.9

270217 2001 TB_{149} 3 27.1 102°.73 3°.0/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 49.98	+ 3 26.1	1.908	2.745	13.2	21.1
3 2	12 44.73	+ 4 18.0	1.849	2.763	9.7	20.9
3 12	12 37.50	+ 5 15.6	1.815	2.780	6.1	20.7
3 22	12 29.01	+ 6 12.6	1.808	2.797	3.2	20.5
4 1	12 20.19	+ 7 2.3	1.830	2.813	4.5	20.7
4 11	12 12.03	+ 7 39.1	1.880	2.829	8.0	20.9
4 21	12 5.30	+ 7 59.9	1.955	2.845	11.4	21.1
5 1	12 0.57	+ 8 3.4	2.053	2.861	14.3	21.4

439772 2015 GH_{18} 3 27.1 224°.21 7°.7/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.99	+23 30.6	2.521	3.347	10.7	20.6
3 2	12 44.51	+24 32.7	2.460	3.342	9.0	20.5
3 12	12 37.29	+25 25.8	2.424	3.337	7.9	20.4
3 22	12 28.94	+26 3.7	2.414	3.331	7.9	20.4
4 1	12 20.24	+26 21.2	2.431	3.326	9.0	20.4
4 11	12 12.02	+26 16.1	2.474	3.320	10.8	20.5
4 21	12 4.99	+25 48.5	2.539	3.314	12.7	20.7
5 1	11 59.68	+25 0.5	2.624	3.308	14.4	20.8

163464 2002 RO_{169} 3 27.2 192°.23 0°.3/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.18	− 6 3.7	2.200	3.013	12.5	20.2
3 2	12 41.86	− 5 36.9	2.114	3.012	9.5	19.9
3 12	12 35.76	− 4 57.8	2.053	3.012	6.0	19.7
3 22	12 28.45	− 4 9.7	2.019	3.011	2.2	19.5
4 1	12 20.68	− 3 17.4	2.014	3.010	1.8	19.4
4 11	12 13.31	− 2 26.4	2.038	3.009	5.7	19.7
4 21	12 7.06	− 1 41.9	2.089	3.008	9.3	19.9
5 1	12 2.51	− 1 7.9	2.163	3.007	12.4	20.1

106261 2000 UD_{60} 3 27.2 253°.29 1°.7/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.24	−10 7.1	2.451	3.244	12.0	20.0
3 2	12 41.06	− 9 54.0	2.355	3.238	9.4	19.8
3 12	12 35.23	− 9 27.6	2.284	3.232	6.3	19.6
3 22	12 28.27	− 8 49.8	2.239	3.226	3.1	19.4
4 1	12 20.84	− 8 4.1	2.224	3.219	2.0	19.3
4 11	12 13.72	− 7 15.2	2.238	3.212	5.0	19.5
4 21	12 7.59	− 6 28.2	2.279	3.206	8.2	19.7
5 1	12 2.99	− 5 47.4	2.345	3.199	11.2	19.9

344351 2001 WV_{62} 3 27.2 60°.15 1°.9/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.22	−10 48.1	2.172	2.970	13.2	20.7
3 2	12 41.12	−10 31.3	2.095	2.979	10.3	20.5
3 12	12 35.27	− 9 59.4	2.041	2.990	6.9	20.3
3 22	12 28.27	− 9 14.8	2.014	3.000	3.4	20.1
4 1	12 20.88	− 8 21.7	2.015	3.010	2.2	20.1
4 11	12 13.94	− 7 25.8	2.045	3.021	5.3	20.3
4 21	12 8.16	− 6 32.8	2.102	3.031	8.7	20.5
5 1	12 4.08	− 5 47.5	2.183	3.042	11.7	20.7

167644 2004 DW_{18} 3 27.2 162°.38 3°.9/31.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.87	−15 56.3	2.279	3.045	13.6	20.2
3 2	12 43.17	−16 11.0	2.189	3.046	11.1	20.0
3 12	12 36.62	−16 9.1	2.121	3.047	8.1	19.8
3 22	12 28.76	−15 50.8	2.079	3.048	5.3	19.6
4 1	12 20.39	−15 18.3	2.065	3.049	3.9	19.6
4 11	12 12.38	−14 36.0	2.079	3.050	5.6	19.7
4 21	12 5.52	−13 49.3	2.121	3.051	8.6	19.8
5 1	12 0.41	−13 4.0	2.187	3.051	11.5	20.0

197029 2003 UA_{125} 3 27.2 307°.85 6°.4/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.05	+12 35.4	1.725	2.574	13.8	19.5
3 2	12 46.17	+13 18.8	1.638	2.552	10.7	19.3
3 12	12 38.79	+14 0.7	1.574	2.530	7.8	19.1
3 22	12 29.59	+14 33.5	1.536	2.508	6.4	18.9
4 1	12 19.59	+14 49.5	1.525	2.487	8.0	19.0
4 11	12 10.03	+14 43.5	1.539	2.466	11.2	19.1
4 21	12 2.00	+14 13.8	1.577	2.445	14.8	19.3
5 1	11 56.31	+13 21.6	1.634	2.425	18.0	19.4

160728 2000 QG_{192} 3 27.2 164°.20 3°.6/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.58	+ 4 36.7	1.780	2.618	14.0	19.9
3 2	12 46.96	+ 5 25.3	1.709	2.623	10.4	19.7
3 12	12 39.05	+ 6 19.5	1.663	2.627	6.6	19.5
3 22	12 29.61	+ 7 12.6	1.643	2.630	3.7	19.3
4 1	12 19.64	+ 7 57.3	1.652	2.633	5.2	19.4
4 11	12 10.31	+ 8 27.8	1.688	2.636	8.9	19.6
4 21	12 2.53	+ 8 40.5	1.750	2.638	12.6	19.9
5 1	11 56.99	+ 8 34.5	1.832	2.639	15.8	20.1

421290 2013 TX_{8} 3 27.2 194°.03 0°.8/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.35	− 5 38.0	1.919	2.731	14.1	20.8
3 2	12 46.02	− 5 41.6	1.834	2.730	10.8	20.6
3 12	12 38.49	− 5 33.5	1.773	2.730	7.0	20.3
3 22	12 29.43	− 5 16.1	1.738	2.729	2.7	20.1
4 1	12 19.77	− 4 53.1	1.732	2.728	2.0	20.0
4 11	12 10.58	− 4 29.6	1.754	2.727	6.3	20.3
4 21	12 2.78	− 4 10.3	1.803	2.726	10.3	20.5
5 1	11 57.06	− 3 59.3	1.875	2.724	13.8	20.7

483374 2016 SX_{45} 3 27.2 252.°70 1.°1/28.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 46.18	− 8 29.5	2.708	3.501	11.0	22.5
3 2	12 41.67	− 8 13.5	2.599	3.484	8.5	22.3
3 12	12 35.60	− 7 46.0	2.515	3.465	5.6	22.1
3 22	12 28.41	− 7 8.9	2.458	3.446	2.5	21.8
4 1	12 20.72	− 6 25.3	2.431	3.427	1.6	21.7
4 11	12 13.24	− 5 39.7	2.435	3.408	4.8	21.9
4 21	12 6.62	− 4 56.3	2.466	3.388	8.0	22.1
5 1	12 1.41	− 4 19.3	2.523	3.367	10.8	22.2

24223 1999 XR_{76} 3 27.2 164.°99 3.°4/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.40	+ 5 14.8	2.159	2.998	11.8	19.1
3 2	12 42.74	+ 6 8.4	2.086	3.001	8.8	18.9
3 12	12 36.29	+ 7 6.3	2.039	3.002	5.6	18.7
3 22	12 28.63	+ 8 2.8	2.019	3.004	3.4	18.5
4 1	12 20.57	+ 8 51.9	2.028	3.006	4.8	18.6
4 11	12 12.96	+ 9 28.2	2.064	3.007	7.8	18.8
4 21	12 6.55	+ 9 48.7	2.127	3.008	11.0	19.0
5 1	12 1.89	+ 9 52.2	2.212	3.009	13.7	19.2

141011 2001 WN_{38} 3 27.2 114.°20 0.°4/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.20	− 4 10.4	2.569	3.383	10.9	20.5
3 2	12 40.79	− 3 31.0	2.496	3.396	8.2	20.3
3 12	12 34.93	− 2 42.1	2.448	3.409	5.0	20.1
3 22	12 28.14	− 1 47.5	2.429	3.422	1.7	19.9
4 1	12 21.05	− 0 51.8	2.439	3.434	1.9	19.9
4 11	12 14.37	+ 0 0.3	2.479	3.446	5.2	20.2
4 21	12 8.66	+ 0 44.6	2.547	3.458	8.2	20.4
5 1	12 4.40	+ 1 18.1	2.639	3.469	10.8	20.6

345651 2006 TV_{20} 3 27.2 172.°73 2.°4/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.17	+ 4 27.7	2.682	3.511	10.1	21.3
3 2	12 42.24	+ 5 1.4	2.604	3.513	7.5	21.1
3 12	12 35.83	+ 5 38.5	2.552	3.515	4.7	21.0
3 22	12 28.46	+ 6 15.0	2.528	3.516	2.5	20.8
4 1	12 20.75	+ 6 46.6	2.535	3.517	3.5	20.9
4 11	12 13.40	+ 7 9.7	2.571	3.518	6.2	21.1
4 21	12 7.01	+ 7 21.8	2.634	3.518	9.0	21.2
5 1	12 2.06	+ 7 21.6	2.721	3.518	11.4	21.4

169162 2001 QJ_{204} 3 27.2 265.°73 4.°4/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.72	−17 39.6	2.247	3.007	14.0	20.3
3 2	12 42.41	−17 52.8	2.150	3.001	11.5	20.2
3 12	12 36.21	−17 47.8	2.075	2.996	8.6	20.0
3 22	12 28.65	−17 24.7	2.026	2.990	5.8	19.8
4 1	12 20.52	−16 45.3	2.004	2.985	4.4	19.7
4 11	12 12.72	−15 54.3	2.009	2.979	5.9	19.8
4 21	12 6.04	−14 57.5	2.042	2.974	8.8	19.9
5 1	12 1.13	−14 1.5	2.100	2.968	11.7	20.1

408709 2014 NW_{52} 3 27.2 265.°07 3.°9/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.65	+ 3 20.0	1.554	2.401	15.2	21.5
3 2	12 46.15	+ 4 20.6	1.463	2.381	11.5	21.2
3 12	12 38.95	+ 5 31.8	1.394	2.361	7.3	20.9
3 22	12 29.71	+ 6 46.2	1.351	2.340	4.0	20.7
4 1	12 19.49	+ 7 54.2	1.335	2.318	5.8	20.7
4 11	12 9.66	+ 8 46.5	1.345	2.296	10.3	20.9
4 21	12 1.43	+ 9 17.2	1.379	2.274	14.8	21.1
5 1	11 55.71	+ 9 23.7	1.432	2.251	18.8	21.3

500313 2012 RE_{14} 3 27.2 236.°33 2.°5/30.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.23	−15 30.0	2.510	3.278	12.5	21.8
3 2	12 41.09	−14 48.3	2.401	3.264	10.0	21.6
3 12	12 35.29	−13 47.6	2.316	3.250	7.1	21.4
3 22	12 28.32	−12 29.9	2.257	3.236	4.0	21.2
4 1	12 20.85	−10 59.2	2.229	3.221	2.6	21.1
4 11	12 13.65	− 9 21.9	2.230	3.205	5.0	21.2
4 21	12 7.43	− 7 44.9	2.261	3.189	8.2	21.4
5 1	12 2.73	− 6 14.9	2.318	3.173	11.3	21.5

373310 2012 JB_{3} 3 27.2 232.°97 1.°0/28.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.47	− 8 15.2	1.958	2.767	14.0	21.7
3 2	12 43.13	− 7 50.6	1.867	2.761	10.8	21.4
3 12	12 36.72	− 7 10.3	1.800	2.755	7.0	21.2
3 22	12 28.84	− 6 17.2	1.758	2.749	2.9	20.9
4 1	12 20.37	− 5 16.4	1.745	2.742	2.0	20.8
4 11	12 12.29	− 4 14.7	1.761	2.735	6.1	21.1
4 21	12 5.49	− 3 18.5	1.802	2.727	10.2	21.3
5 1	12 0.63	− 2 33.3	1.868	2.720	13.7	21.5

457584 2009 AY_{14} 3 27.2 18.°67 0.°6/27.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.44	− 5 55.0	1.204	2.051	18.7	21.1
3 2	12 44.01	− 5 41.0	1.140	2.055	14.3	20.9
3 12	12 37.65	− 5 7.8	1.094	2.059	9.1	20.6
3 22	12 29.22	− 4 20.0	1.072	2.065	3.3	20.3
4 1	12 20.05	− 3 25.3	1.074	2.071	2.7	20.2
4 11	12 11.68	− 2 33.4	1.100	2.078	8.4	20.6
4 21	12 5.34	− 1 52.7	1.149	2.085	13.6	20.9
5 1	12 1.83	− 1 28.8	1.218	2.094	17.9	21.2

204377 2004 TG_{108} 3 27.2 183.°74 3.°3/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 51.02	+ 3 3.8	1.867	2.703	13.5	21.4
3 2	12 45.76	+ 4 6.7	1.791	2.704	10.1	21.2
3 12	12 38.31	+ 5 17.5	1.740	2.704	6.3	20.9
3 22	12 29.38	+ 6 29.3	1.715	2.704	3.4	20.8
4 1	12 19.90	+ 7 34.5	1.720	2.702	4.9	20.9
4 11	12 10.95	+ 8 25.9	1.753	2.700	8.6	21.1
4 21	12 3.44	+ 8 59.3	1.811	2.697	12.3	21.3
5 1	11 58.03	+ 9 12.8	1.890	2.694	15.5	21.5

206935 2004 RZ_{68} 3 27.2 118.°66 0.°3/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.60	− 3 42.5	1.609	2.434	15.9	20.8
3 2	12 47.90	− 3 26.9	1.541	2.446	12.0	20.6
3 12	12 39.71	− 2 58.5	1.496	2.458	7.5	20.4
3 22	12 29.86	− 2 21.6	1.476	2.469	2.5	20.1
4 1	12 19.48	− 1 42.2	1.485	2.480	2.5	20.1
4 11	12 9.83	− 1 6.8	1.520	2.491	7.4	20.4
4 21	12 1.93	− 0 41.0	1.582	2.501	11.7	20.7
5 1	11 56.48	− 0 28.4	1.665	2.511	15.4	21.0

266350 2007 DN_{105} 3 27.2 18.°19 9.°6/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.42	+19 39.0	1.632	2.486	14.2	19.7
3 2	12 44.08	+21 17.4	1.583	2.488	11.7	19.6
3 12	12 37.35	+22 47.3	1.556	2.490	9.9	19.5
3 22	12 29.04	+23 58.0	1.554	2.492	9.8	19.5
4 1	12 20.25	+24 40.9	1.577	2.495	11.4	19.6
4 11	12 12.20	+24 51.6	1.622	2.497	13.9	19.7
4 21	12 5.84	+24 30.9	1.688	2.500	16.6	19.9
5 1	12 1.80	+23 42.2	1.771	2.504	18.9	20.1

458751 2011 QB_{92} 3 27.2 112.°12 3.°0/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.47	−12 23.5	1.637	2.433	16.9	22.4
3 2	12 47.06	−12 19.5	1.568	2.449	13.3	22.2
3 12	12 39.20	−11 55.1	1.520	2.465	9.1	22.0
3 22	12 29.68	−11 12.2	1.497	2.480	4.8	21.8
4 1	12 19.65	−10 15.9	1.502	2.495	3.2	21.7
4 11	12 10.33	− 9 13.8	1.534	2.509	6.7	21.9
4 21	12 2.74	− 8 13.9	1.591	2.523	10.8	22.2
5 1	11 57.57	− 7 23.1	1.672	2.536	14.5	22.5

224464 2005 VP_{43} 3 27.2 185.°14 0.°5/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.34	− 3 10.4	2.382	3.194	11.7	21.6
3 2	12 44.09	− 2 41.0	2.295	3.194	8.8	21.4
3 12	12 37.10	− 2 2.1	2.233	3.194	5.5	21.2
3 22	12 28.94	− 1 17.2	2.200	3.192	1.8	21.0
4 1	12 20.32	− 0 30.8	2.196	3.191	2.1	21.0
4 11	12 12.09	+ 0 11.9	2.223	3.188	5.8	21.2
4 21	12 4.96	+ 0 46.8	2.277	3.185	9.2	21.4
5 1	11 59.48	+ 1 10.8	2.355	3.182	12.1	21.6

494201 2016 HJ_{9} 3 27.2 189.°25 2.°8/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.96	+ 3 53.1	2.365	3.197	11.2	21.7
3 2	12 43.05	+ 4 44.8	2.285	3.196	8.3	21.5
3 12	12 36.45	+ 5 41.8	2.231	3.194	5.2	21.3
3 22	12 28.71	+ 6 38.8	2.205	3.192	2.9	21.1
4 1	12 20.55	+ 7 30.3	2.209	3.190	4.1	21.2
4 11	12 12.79	+ 8 11.3	2.242	3.187	7.1	21.4
4 21	12 6.11	+ 8 38.3	2.301	3.184	10.2	21.6
5 1	12 1.07	+ 8 49.8	2.384	3.180	12.9	21.8

502332 2015 BO_{173} 3 27.2 181.°74 6.°2/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.80	−22 5.9	2.272	2.996	14.8	22.7
3 2	12 46.28	−22 44.6	2.177	2.997	12.5	22.5
3 12	12 38.66	−23 3.9	2.104	2.998	9.9	22.3
3 22	12 29.53	−23 2.2	2.055	2.997	7.5	22.2
4 1	12 19.74	−22 39.8	2.034	2.997	6.2	22.1
4 11	12 10.30	−22 0.3	2.040	2.996	7.0	22.2
4 21	12 2.10	−21 9.4	2.074	2.994	9.3	22.3
5 1	11 55.85	−20 14.1	2.132	2.992	11.9	22.4

194094 2001 SG_{201} 3 27.2 127.°63 2.°9/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.49	+ 2 21.6	1.496	2.338	15.9	20.0
3 2	12 48.01	+ 2 56.5	1.430	2.345	11.9	19.7
3 12	12 39.87	+ 3 39.4	1.386	2.352	7.4	19.5
3 22	12 29.94	+ 4 23.8	1.367	2.358	3.3	19.3
4 1	12 19.43	+ 5 2.0	1.376	2.364	4.7	19.4
4 11	12 9.67	+ 5 27.4	1.411	2.370	9.1	19.6
4 21	12 1.78	+ 5 35.9	1.470	2.375	13.4	19.9
5 1	11 56.47	+ 5 26.1	1.550	2.381	17.1	20.1

378867 2008 TU_{101} 3 27.2 120.°69 0.°8/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.58	− 2 7.3	2.000	2.825	13.2	21.2
3 2	12 43.80	− 1 46.9	1.920	2.827	9.9	21.0
3 12	12 37.04	− 1 16.9	1.865	2.828	6.1	20.8
3 22	12 28.94	− 0 41.2	1.837	2.830	2.0	20.5
4 1	12 20.35	− 0 4.8	1.837	2.832	2.5	20.6
4 11	12 12.23	+ 0 27.0	1.866	2.833	6.5	20.8
4 21	12 5.40	+ 0 49.8	1.921	2.835	10.3	21.0
5 1	12 0.48	+ 1 0.6	1.999	2.836	13.5	21.2

136091 2003 BK_{31} 3 27.2 177°.08 4°.5/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 44.81	+11 17.8	2.774	3.613	9.5	20.4
3 2	12 40.48	+12 38.0	2.705	3.615	7.2	20.3
3 12	12 34.76	+13 58.5	2.664	3.616	5.2	20.2
3 22	12 28.11	+15 13.3	2.652	3.617	4.6	20.1
4 1	12 21.14	+16 17.1	2.669	3.618	5.8	20.2
4 11	12 14.51	+17 5.6	2.715	3.618	7.9	20.3
4 21	12 8.78	+17 36.6	2.786	3.617	10.2	20.5
5 1	12 4.42	+17 49.6	2.878	3.617	12.2	20.6

273663 2007 DJ_{98} 3 27.2 244°.64 1°.1/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.21	− 2 37.0	1.900	2.730	13.6	21.2
3 2	12 42.95	− 1 54.5	1.814	2.723	10.2	20.9
3 12	12 36.62	− 0 59.7	1.752	2.717	6.3	20.7
3 22	12 28.83	+ 0 2.6	1.717	2.710	2.1	20.4
4 1	12 20.45	+ 1 5.8	1.709	2.703	2.9	20.4
4 11	12 12.50	+ 2 2.9	1.730	2.696	7.1	20.7
4 21	12 5.84	+ 2 48.2	1.777	2.688	11.1	20.9
5 1	12 1.15	+ 3 17.8	1.845	2.681	14.6	21.1

70581 1999 TJ_{165} 3 27.2 229°.85 1°.9/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.22	− 9 0.2	1.952	2.750	14.5	19.9
3 2	12 46.82	− 9 2.0	1.853	2.739	11.3	19.6
3 12	12 39.13	− 8 49.0	1.778	2.727	7.6	19.4
3 22	12 29.74	− 8 22.9	1.728	2.715	3.6	19.1
4 1	12 19.57	− 7 47.0	1.707	2.702	2.4	19.0
4 11	12 9.75	− 7 7.0	1.715	2.689	6.3	19.2
4 21	12 1.26	− 6 28.6	1.750	2.675	10.4	19.4
5 1	11 54.88	− 5 57.4	1.808	2.660	14.1	19.6

389712 2011 RF_{17} 3 27.2 57°.78 3°.1/30.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.89	−13 42.0	2.318	3.096	13.1	21.3
3 2	12 42.37	−13 51.6	2.231	3.099	10.4	21.2
3 12	12 36.10	−13 46.1	2.167	3.102	7.4	21.0
3 22	12 28.62	−13 26.3	2.129	3.105	4.5	20.8
4 1	12 20.67	−12 54.9	2.119	3.109	3.2	20.7
4 11	12 13.09	−12 16.1	2.138	3.112	5.3	20.9
4 21	12 6.62	−11 35.1	2.185	3.115	8.3	21.0
5 1	12 1.82	−10 56.9	2.256	3.119	11.2	21.2

458980 2011 WT_{69} 3 27.2 184°.68 0°.4/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.82	− 6 8.7	1.938	2.748	14.1	22.4
3 2	12 46.36	− 5 44.1	1.853	2.748	10.8	22.2
3 12	12 38.72	− 5 5.5	1.791	2.748	6.9	22.0
3 22	12 29.55	− 4 16.5	1.756	2.747	2.5	21.7
4 1	12 19.80	− 3 22.2	1.749	2.746	2.1	21.7
4 11	12 10.52	− 2 29.3	1.772	2.743	6.5	21.9
4 21	12 2.63	− 1 43.7	1.822	2.740	10.5	22.2
5 1	11 56.82	− 1 10.0	1.895	2.736	14.0	22.4

16373 1981 ES_{5} 3 27.2 170°.31 4°.4/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.76	−18 28.8	2.386	3.132	13.6	19.7
3 2	12 44.54	−18 39.8	2.294	3.135	11.2	19.5
3 12	12 37.46	−18 32.9	2.224	3.139	8.4	19.3
3 22	12 29.10	−18 8.2	2.180	3.141	5.8	19.1
4 1	12 20.22	−17 27.5	2.164	3.143	4.4	19.1
4 11	12 11.72	−16 35.4	2.178	3.145	5.7	19.1
4 21	12 4.36	−15 37.6	2.219	3.146	8.4	19.3
5 1	11 58.76	−14 40.3	2.285	3.146	11.2	19.5

330401 2007 AG_{25} 3 27.2 104°.28 1°.1/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.85	− 9 0.5	1.999	2.800	14.1	21.4
3 2	12 44.60	− 8 30.0	1.933	2.822	10.8	21.3
3 12	12 37.43	− 7 44.3	1.891	2.844	7.0	21.1
3 22	12 29.04	− 6 46.8	1.876	2.865	2.9	20.9
4 1	12 20.32	− 5 43.2	1.890	2.886	1.9	20.8
4 11	12 12.22	− 4 40.0	1.933	2.906	5.8	21.1
4 21	12 5.50	− 3 43.2	2.003	2.926	9.4	21.4
5 1	12 0.72	− 2 57.7	2.098	2.945	12.6	21.6

234125 1999 XN_{219} 3 27.2 111°.55 1°.7/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.84	− 0 14.2	2.055	2.887	12.6	21.1
3 2	12 42.42	+ 0 27.3	1.980	2.891	9.4	20.9
3 12	12 36.15	+ 1 17.6	1.929	2.895	5.7	20.7
3 22	12 28.63	+ 2 11.7	1.906	2.898	2.2	20.5
4 1	12 20.68	+ 3 3.6	1.912	2.902	3.2	20.5
4 11	12 13.21	+ 3 47.7	1.945	2.906	6.9	20.8
4 21	12 6.96	+ 4 19.5	2.005	2.910	10.4	21.0
5 1	12 2.52	+ 4 36.5	2.088	2.913	13.5	21.2

11373 Carbonaro 3 27.2 223°.85 0°.6/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.66	− 3 37.6	1.616	2.443	15.6	19.0
3 2	12 46.71	− 3 7.8	1.529	2.436	11.9	18.8
3 12	12 39.18	− 2 23.4	1.465	2.429	7.4	18.5
3 22	12 29.77	− 1 29.1	1.427	2.420	2.5	18.2
4 1	12 19.57	− 0 31.7	1.416	2.411	2.9	18.2
4 11	12 9.85	+ 0 20.9	1.433	2.402	7.9	18.4
4 21	12 1.75	+ 1 1.9	1.475	2.392	12.5	18.7
5 1	11 56.08	+ 1 26.7	1.538	2.382	16.5	18.9

435369 2007 VB_{307} 3 27.2 109°.40 4°.2/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 46.72	−19 20.0	2.593	3.335	12.8	21.6
3 2	12 42.04	−19 22.6	2.512	3.349	10.5	21.5
3 12	12 35.78	−19 7.9	2.453	3.364	7.9	21.3
3 22	12 28.48	−18 36.5	2.420	3.378	5.5	21.2
4 1	12 20.82	−17 50.8	2.415	3.392	4.2	21.1
4 11	12 13.57	−16 55.1	2.439	3.406	5.2	21.2
4 21	12 7.36	−15 54.8	2.491	3.420	7.6	21.4
5 1	12 2.70	−14 55.4	2.569	3.433	10.0	21.6

370943 2005 SK_{1} 3 27.2 121°.94 5°.4/25.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 14.18	+10 39.1	1.214	2.043	19.7	21.2
3 2	13 4.10	+10 20.5	1.152	2.057	15.1	20.9
3 12	12 50.11	+ 9 56.1	1.111	2.069	10.0	20.7
3 22	12 33.49	+ 9 19.2	1.097	2.081	5.8	20.5
4 1	12 16.26	+ 8 25.2	1.110	2.093	6.8	20.5
4 11	12 0.55	+ 7 13.8	1.152	2.104	11.6	20.8
4 21	11 47.95	+ 5 47.9	1.219	2.114	16.4	21.1
5 1	11 39.28	+ 4 11.7	1.307	2.124	20.4	21.4

144155 2004 BP_{98} 3 27.2 16°.81 2°.1/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 43.52	− 0 19.6	1.977	2.817	12.7	20.1
3 2	12 40.02	+ 0 45.7	1.903	2.819	9.4	19.9
3 12	12 34.69	+ 2 1.4	1.854	2.821	5.7	19.6
3 22	12 28.14	+ 3 21.3	1.832	2.823	2.4	19.4
4 1	12 21.15	+ 4 38.1	1.838	2.826	3.7	19.5
4 11	12 14.61	+ 5 44.7	1.871	2.829	7.4	19.8
4 21	12 9.28	+ 6 35.9	1.931	2.832	10.9	20.0
5 1	12 5.71	+ 7 8.9	2.012	2.835	14.0	20.2

336473 2008 VB_{20} 3 27.2 82°.60 1°.5/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.31	− 0 52.8	2.019	2.851	12.8	21.4
3 2	12 42.07	− 0 10.3	1.943	2.854	9.5	21.1
3 12	12 35.96	+ 0 41.7	1.890	2.856	5.8	20.9
3 22	12 28.57	+ 1 38.3	1.865	2.858	2.1	20.7
4 1	12 20.74	+ 2 33.5	1.869	2.860	3.1	20.8
4 11	12 13.37	+ 3 21.1	1.900	2.863	6.9	21.0
4 21	12 7.23	+ 3 56.6	1.958	2.865	10.5	21.2
5 1	12 2.91	+ 4 17.0	2.038	2.867	13.6	21.4

191016 2002 AX_{63} 3 27.2 11°.43 5°.0/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 43.74	+ 5 14.9	1.607	2.467	14.1	19.7
3 2	12 40.57	+ 6 56.3	1.543	2.468	10.5	19.5
3 12	12 35.20	+ 8 45.7	1.503	2.469	6.9	19.3
3 22	12 28.34	+10 33.1	1.489	2.471	5.0	19.2
4 1	12 20.96	+12 7.6	1.502	2.474	7.0	19.3
4 11	12 14.17	+13 20.7	1.541	2.477	10.6	19.5
4 21	12 8.84	+14 7.5	1.603	2.480	14.2	19.7
5 1	12 5.64	+14 27.0	1.684	2.483	17.3	19.9

482229 2011 BG_{23} 3 27.2 10°.54 17°.1/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.46	−35 49.6	1.133	1.846	27.4	20.6
3 2	12 46.02	−37 45.9	1.065	1.847	25.1	20.4
3 12	12 39.67	−39 1.0	1.009	1.848	22.5	20.2
3 22	12 30.16	−39 23.9	0.966	1.849	19.9	20.1
4 1	12 19.14	−38 47.6	0.940	1.851	17.9	19.9
4 11	12 8.83	−37 15.0	0.932	1.854	17.1	19.9
4 21	12 1.19	−34 58.6	0.941	1.858	18.0	19.9
5 1	11 57.52	−32 18.0	0.970	1.862	20.1	20.1

155833 2000 YB 3 27.2 165°.99 1°.7/29.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.82	−10 31.1	2.228	3.020	13.1	20.9
3 2	12 43.10	−10 12.2	2.142	3.024	10.2	20.7
3 12	12 36.56	− 9 38.2	2.079	3.027	6.8	20.5
3 22	12 28.78	− 8 51.4	2.043	3.030	3.3	20.3
4 1	12 20.55	− 7 56.1	2.037	3.032	2.1	20.2
4 11	12 12.72	− 6 57.8	2.059	3.034	5.4	20.4
4 21	12 6.06	− 6 2.5	2.109	3.035	8.8	20.6
5 1	12 1.13	− 5 15.0	2.184	3.037	12.0	20.8

196790 2003 SY_{190} 3 27.2 222°.61 0°.6/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.99	− 4 5.5	2.122	2.944	12.6	20.9
3 2	12 41.81	− 3 23.4	2.036	2.940	9.5	20.7
3 12	12 35.81	− 2 29.1	1.974	2.936	5.9	20.5
3 22	12 28.53	− 1 27.0	1.939	2.932	2.0	20.2
4 1	12 20.77	− 0 22.6	1.934	2.928	2.3	20.2
4 11	12 13.40	+ 0 37.5	1.956	2.924	6.3	20.5
4 21	12 7.18	+ 1 28.0	2.006	2.919	9.9	20.7
5 1	12 2.70	+ 2 4.9	2.079	2.915	13.1	20.9

61282 2000 OE_{36} 3 27.2 160°.37 1°.9/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.37	−11 13.4	1.744	2.546	15.8	19.4
3 2	12 44.72	−10 43.2	1.664	2.551	12.3	19.2
3 12	12 37.77	− 9 52.8	1.605	2.555	8.2	18.9
3 22	12 29.24	− 8 45.1	1.572	2.559	3.9	18.7
4 1	12 20.12	− 7 26.3	1.566	2.562	2.4	18.6
4 11	12 11.55	− 6 4.8	1.589	2.565	6.5	18.8
4 21	12 4.50	− 4 48.8	1.638	2.567	10.7	19.1
5 1	11 59.66	− 3 45.3	1.710	2.569	14.5	19.3

387285 2012 UB_{153} 3 27.2 170°.41 1°.9/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 45.98	+ 1 36.8	2.569	3.397	10.5	21.7
3 2	12 41.44	+ 2 19.2	2.490	3.399	7.8	21.5
3 12	12 35.40	+ 3 7.4	2.437	3.401	4.8	21.3
3 22	12 28.35	+ 3 57.4	2.412	3.403	2.1	21.1
4 1	12 20.96	+ 4 44.2	2.417	3.404	3.1	21.2
4 11	12 13.93	+ 5 23.5	2.452	3.405	6.1	21.4
4 21	12 7.87	+ 5 52.0	2.513	3.406	9.0	21.6
5 1	12 3.27	+ 6 7.6	2.598	3.407	11.6	21.7

500310 2012 RD_{3} 3 27.2 120°.24 2°.9/31.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.35	−15 55.0	3.027	3.775	11.0	22.3
3 2	12 42.97	−15 56.0	2.949	3.796	8.8	22.1
3 12	12 36.23	−15 43.7	2.895	3.817	6.4	22.0
3 22	12 28.63	−15 19.0	2.868	3.837	4.0	21.9
4 1	12 20.75	−14 44.3	2.872	3.856	3.0	21.8
4 11	12 13.24	−14 3.1	2.906	3.875	4.3	21.9
4 21	12 6.66	−13 19.5	2.969	3.893	6.6	22.1
5 1	12 1.43	−12 37.4	3.059	3.911	8.9	22.3

173105 2007 VU_{5} 3 27.2 161°.02 0°.8/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.00	− 7 46.9	2.080	2.881	13.6	21.8
3 2	12 45.55	− 7 18.9	1.999	2.889	10.4	21.6
3 12	12 38.11	− 6 36.5	1.941	2.896	6.7	21.4
3 22	12 29.33	− 5 43.0	1.911	2.902	2.7	21.1
4 1	12 20.08	− 4 43.5	1.911	2.907	1.9	21.1
4 11	12 11.33	− 3 44.4	1.940	2.911	5.9	21.3
4 21	12 3.88	− 2 51.5	1.996	2.915	9.7	21.6
5 1	11 58.36	− 2 9.4	2.076	2.918	12.9	21.8

425230 2009 VT_{95} 3 27.2 125°.12 5°.4/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.80	+11 54.1	2.084	2.925	12.1	20.8
3 2	12 45.29	+12 48.1	2.024	2.934	9.2	20.6
3 12	12 37.87	+13 40.5	1.990	2.944	6.6	20.4
3 22	12 29.22	+14 24.6	1.983	2.953	5.4	20.4
4 1	12 20.23	+14 54.5	2.003	2.962	6.7	20.5
4 11	12 11.85	+15 6.4	2.052	2.970	9.3	20.6
4 21	12 4.82	+14 59.0	2.124	2.978	12.1	20.8
5 1	11 59.71	+14 33.2	2.218	2.986	14.6	21.0

495088 2011 SU_{5} 3 27.2 158°.85 3°.7/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.59	−20 7.9	1.996	2.746	15.8	21.6
3 2	12 44.64	−19 5.6	1.907	2.754	12.9	21.4
3 12	12 37.60	−17 35.5	1.839	2.762	9.4	21.2
3 22	12 29.17	−15 40.1	1.798	2.769	5.7	20.9
4 1	12 20.27	−13 25.8	1.786	2.775	3.7	20.8
4 11	12 11.93	−11 2.8	1.805	2.780	5.9	21.0
4 21	12 5.00	− 8 42.1	1.854	2.784	9.6	21.2
5 1	12 0.12	− 6 33.7	1.928	2.788	13.0	21.4

300179 2006 WY_{36} 3 27.2 103°.77 5°.5/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.68	+14 5.0	2.421	3.263	10.6	21.1
3 2	12 42.02	+15 5.9	2.361	3.269	8.2	20.9
3 12	12 35.77	+16 4.1	2.326	3.274	6.2	20.8
3 22	12 28.49	+16 53.5	2.320	3.280	5.5	20.8
4 1	12 20.90	+17 29.0	2.341	3.286	6.7	20.8
4 11	12 13.78	+17 46.9	2.389	3.292	8.9	21.0
4 21	12 7.75	+17 46.1	2.462	3.297	11.3	21.1
5 1	12 3.32	+17 27.2	2.556	3.303	13.4	21.3

120588 1995 SK_{34} 3 27.2 225°.96 1°.4/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.24	− 6 29.9	1.939	2.746	14.2	20.1
3 2	12 46.72	− 6 45.2	1.852	2.745	11.0	19.9
3 12	12 38.99	− 6 49.0	1.789	2.743	7.2	19.7
3 22	12 29.69	− 6 43.0	1.752	2.741	3.1	19.4
4 1	12 19.75	− 6 30.1	1.743	2.739	2.2	19.3
4 11	12 10.26	− 6 14.8	1.764	2.737	6.2	19.6
4 21	12 2.15	− 6 1.6	1.811	2.735	10.1	19.8
5 1	11 56.14	− 5 54.7	1.881	2.733	13.6	20.0

458836 2011 UK_{30} 3 27.2 124°.39 1°.6/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.41	−10 21.9	1.683	2.491	16.0	21.7
3 2	12 44.75	− 9 47.4	1.610	2.501	12.4	21.5
3 12	12 37.78	− 8 52.8	1.559	2.512	8.2	21.2
3 22	12 29.25	− 7 42.1	1.534	2.522	3.6	21.0
4 1	12 20.21	− 6 21.9	1.536	2.532	2.3	20.9
4 11	12 11.80	− 5 0.9	1.566	2.541	6.6	21.2
4 21	12 4.97	− 3 47.4	1.622	2.550	10.9	21.5
5 1	12 0.38	− 2 47.8	1.701	2.559	14.6	21.7

399660 2004 RU_{188} 3 27.2 177°.76 3°.2/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.11	−14 10.7	1.775	2.562	16.1	21.6
3 2	12 45.33	−13 56.2	1.689	2.564	12.9	21.3
3 12	12 38.21	−13 20.0	1.625	2.565	9.0	21.1
3 22	12 29.43	−12 23.7	1.586	2.566	5.1	20.9
4 1	12 20.00	−11 11.8	1.574	2.566	3.3	20.8
4 11	12 11.08	− 9 52.2	1.590	2.566	6.5	20.9
4 21	12 3.67	− 8 33.5	1.632	2.565	10.5	21.2
5 1	11 58.50	− 7 23.6	1.698	2.563	14.2	21.4

375240 2008 GL_{9} 3 27.2 224°.88 3°.3/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 51.65	+ 6 31.5	2.404	3.231	11.1	22.3
3 2	12 45.90	+ 7 11.3	2.311	3.219	8.4	22.1
3 12	12 38.31	+ 7 54.0	2.245	3.206	5.4	21.9
3 22	12 29.43	+ 8 34.9	2.208	3.191	3.4	21.8
4 1	12 20.01	+ 9 8.7	2.200	3.177	4.6	21.8
4 11	12 10.93	+ 9 30.8	2.222	3.161	7.6	22.0
4 21	12 2.96	+ 9 38.7	2.271	3.145	10.6	22.1
5 1	11 56.69	+ 9 31.3	2.343	3.128	13.4	22.3

143607 2003 FD_{94} 3 27.2 35°.93 7°.1/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.41	+20 18.2	2.325	3.155	11.4	19.5
3 2	12 46.37	+20 58.5	2.264	3.156	9.3	19.4
3 12	12 38.49	+21 30.6	2.228	3.158	7.6	19.3
3 22	12 29.44	+21 48.6	2.218	3.159	7.1	19.3
4 1	12 20.07	+21 47.8	2.237	3.161	8.2	19.3
4 11	12 11.29	+21 26.1	2.281	3.162	10.2	19.4
4 21	12 3.84	+20 44.1	2.350	3.164	12.4	19.6
5 1	11 58.24	+19 44.1	2.440	3.165	14.5	19.8

500249 2012 JY_{65} 3 27.2 274°.22 2°.8/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.92	+ 2 41.2	1.948	2.785	13.0	21.5
3 2	12 44.36	+ 3 26.7	1.848	2.762	9.8	21.3
3 12	12 37.62	+ 4 20.6	1.773	2.738	6.1	21.0
3 22	12 29.26	+ 5 17.2	1.724	2.714	3.1	20.8
4 1	12 20.14	+ 6 9.9	1.704	2.690	4.4	20.8
4 11	12 11.30	+ 6 51.9	1.712	2.665	8.3	21.0
4 21	12 3.69	+ 7 18.4	1.745	2.640	12.2	21.2
5 1	11 58.07	+ 7 26.7	1.800	2.615	15.7	21.3

277558 2005 YY_{125} 3 27.2 41°.69 5°.9/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.49	+ 9 38.4	1.541	2.399	14.7	20.6
3 2	12 44.08	+10 43.0	1.491	2.412	11.1	20.4
3 12	12 37.32	+11 48.0	1.464	2.425	7.6	20.2
3 22	12 29.07	+12 44.5	1.462	2.439	5.9	20.1
4 1	12 20.44	+13 24.5	1.486	2.453	7.5	20.3
4 11	12 12.59	+13 42.6	1.535	2.468	10.8	20.5
4 21	12 6.45	+13 37.2	1.607	2.483	14.2	20.7
5 1	12 2.62	+13 9.7	1.698	2.498	17.1	20.9

312088 2007 TQ_{97} 3 27.2 160°.68 0°.7/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.49	− 3 45.1	2.005	2.822	13.4	21.8
3 2	12 45.21	− 2 59.5	1.928	2.830	10.1	21.6
3 12	12 37.93	− 2 1.6	1.875	2.836	6.2	21.4
3 22	12 29.29	− 0 56.1	1.849	2.842	2.1	21.1
4 1	12 20.19	+ 0 10.5	1.853	2.847	2.5	21.2
4 11	12 11.61	+ 1 11.5	1.886	2.852	6.6	21.5
4 21	12 4.37	+ 2 1.4	1.946	2.855	10.4	21.7
5 1	11 59.08	+ 2 36.5	2.030	2.858	13.7	21.9

298974 2004 VV_{73} 3 27.2 98°.69 6°.2/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.02	+ 9 4.3	1.541	2.394	14.9	20.7
3 2	12 45.95	+10 34.8	1.492	2.411	11.2	20.5
3 12	12 38.48	+12 6.8	1.468	2.428	7.8	20.3
3 22	12 29.47	+13 30.1	1.469	2.444	6.2	20.3
4 1	12 20.09	+14 35.1	1.497	2.460	7.9	20.4
4 11	12 11.54	+15 15.4	1.551	2.476	11.3	20.6
4 21	12 4.78	+15 29.1	1.627	2.492	14.6	20.9
5 1	12 0.42	+15 17.5	1.723	2.506	17.5	21.1

163220 2002 EN_{85} 3 27.2 32°.33 1°.4/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.82	− 3 4.0	1.189	2.045	18.3	19.9
3 2	12 43.47	− 2 19.6	1.132	2.054	13.7	19.6
3 12	12 37.27	− 1 18.0	1.095	2.064	8.4	19.4
3 22	12 29.13	− 0 6.6	1.081	2.075	2.8	19.0
4 1	12 20.38	+ 1 4.4	1.092	2.087	3.7	19.1
4 11	12 12.51	+ 2 4.4	1.127	2.099	9.2	19.5
4 21	12 6.67	+ 2 46.1	1.185	2.112	14.1	19.8
5 1	12 3.57	+ 3 5.8	1.262	2.125	18.2	20.1

257238 2009 DN_{130} 3 27.2 292°.75 0°.4/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.81	− 6 2.0	1.507	2.339	16.4	21.2
3 2	12 44.13	− 5 39.4	1.412	2.320	12.6	20.9
3 12	12 37.78	− 4 58.8	1.339	2.301	8.1	20.6
3 22	12 29.40	− 4 3.7	1.289	2.282	3.0	20.2
4 1	12 20.04	− 3 0.6	1.267	2.263	2.5	20.2
4 11	12 11.04	− 1 58.3	1.270	2.244	7.9	20.4
4 21	12 3.61	− 1 5.1	1.297	2.226	13.0	20.7
5 1	11 58.68	− 0 27.7	1.345	2.207	17.4	20.9

345062 2005 GP_{166} 3 27.2 241°.61 2°.7/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.45	+ 4 35.2	2.325	3.158	11.3	21.7
3 2	12 43.52	+ 5 7.8	2.239	3.150	8.4	21.5
3 12	12 36.83	+ 5 44.4	2.179	3.142	5.3	21.3
3 22	12 28.93	+ 6 20.6	2.146	3.134	2.9	21.1
4 1	12 20.56	+ 6 51.4	2.143	3.126	4.0	21.2
4 11	12 12.55	+ 7 12.3	2.169	3.118	7.1	21.4
4 21	12 5.64	+ 7 20.6	2.221	3.109	10.3	21.6
5 1	12 0.40	+ 7 14.9	2.295	3.100	13.1	21.7

179858 2002 TZ_{266} 3 27.2 161°.70 2°.2/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 49.31	−12 25.7	2.292	3.071	13.2	20.1
3 2	12 44.17	−12 6.0	2.206	3.078	10.3	19.9
3 12	12 37.23	−11 30.2	2.143	3.085	7.1	19.7
3 22	12 29.06	−10 40.4	2.108	3.090	3.7	19.5
4 1	12 20.45	− 9 40.5	2.101	3.095	2.4	19.4
4 11	12 12.27	− 8 36.3	2.125	3.099	5.2	19.6
4 21	12 5.26	− 7 33.8	2.177	3.103	8.6	19.8
5 1	11 59.99	− 6 38.3	2.254	3.106	11.7	20.0

206023 2002 PO_{173} 3 27.2 210°.19 0°.4/26.8 17

2 21	12 47.26	− 3 34.4	2.245	3.063	12.2	21.3
3 2	12 42.69	− 3 7.7	2.158	3.060	9.2	21.1
3 12	12 36.34	− 2 30.7	2.096	3.057	5.7	20.9
3 22	12 28.77	− 1 47.0	2.061	3.054	1.9	20.6
4 1	12 20.72	− 1 1.4	2.055	3.050	2.1	20.6
4 11	12 13.05	− 0 19.0	2.078	3.046	5.9	20.9
4 21	12 6.49	+ 0 15.7	2.129	3.043	9.4	21.1
5 1	12 1.62	+ 0 39.2	2.203	3.039	12.5	21.3

145878 1999 SS_{14} 3 27.2 275°.51 7°.0/ 4.7 18

2 21	12 46.29	−27 43.3	2.586	3.273	14.0	20.2
3 2	12 42.13	−28 9.9	2.470	3.254	12.3	20.1
3 12	12 36.13	−28 16.0	2.373	3.234	10.3	19.9
3 22	12 28.74	−27 59.4	2.300	3.214	8.3	19.7
4 1	12 20.69	−27 20.0	2.252	3.194	7.1	19.6
4 11	12 12.83	−26 20.7	2.232	3.174	7.3	19.6
4 21	12 5.96	−25 6.9	2.237	3.154	8.9	19.6
5 1	12 0.75	−23 45.4	2.269	3.133	11.1	19.8

12303 1991 RB_{24} 3 27.2 283°.56 2°.0/25.4 18

2 21	12 47.75	− 1 20.8	1.617	2.458	15.0	18.2
3 2	12 43.93	− 0 29.3	1.520	2.435	11.4	17.9
3 12	12 37.59	+ 0 37.1	1.444	2.411	7.0	17.6
3 22	12 29.33	+ 1 52.8	1.395	2.388	2.7	17.3
4 1	12 20.13	+ 3 9.4	1.372	2.364	4.0	17.3
4 11	12 11.25	+ 4 17.5	1.376	2.340	8.8	17.5
4 21	12 3.81	+ 5 9.5	1.405	2.315	13.5	17.7
5 1	11 58.70	+ 5 40.6	1.454	2.291	17.7	17.9

253966 2004 DQ_{59} 3 27.2 47°.80 2°.4/23.9 17

2 21	12 43.34	+ 4 32.1	2.767	3.603	9.6	20.2
3 2	12 39.35	+ 5 11.9	2.701	3.614	7.1	20.1
3 12	12 34.06	+ 5 55.0	2.660	3.625	4.4	19.9
3 22	12 27.93	+ 6 37.1	2.648	3.636	2.5	19.8
4 1	12 21.55	+ 7 14.2	2.666	3.647	3.5	19.9
4 11	12 15.53	+ 7 42.5	2.712	3.658	6.0	20.1
4 21	12 10.40	+ 7 59.8	2.785	3.670	8.5	20.2
5 1	12 6.56	+ 8 4.8	2.881	3.681	10.8	20.4

228331 2000 RD_{86} 3 27.2 218°.84 2°.2/24.5 18

2 21	12 47.92	+ 1 38.1	2.405	3.232	11.2	21.1
3 2	12 43.11	+ 2 32.6	2.314	3.222	8.3	20.9
3 12	12 36.59	+ 3 34.6	2.248	3.212	5.1	20.7
3 22	12 28.86	+ 4 39.2	2.211	3.201	2.4	20.5
4 1	12 20.65	+ 5 40.7	2.203	3.189	3.6	20.6
4 11	12 12.76	+ 6 33.5	2.226	3.176	6.8	20.8
4 21	12 5.89	+ 7 13.5	2.275	3.163	10.0	20.9
5 1	12 0.62	+ 7 38.1	2.348	3.150	12.9	21.1

172069 2002 AA_{38} 3 27.2 0°.00 11°.1/12.1 18

2 21	12 47.14	+30 6.3	2.042	2.868	12.9	19.3
3 2	12 42.89	+31 50.4	2.003	2.867	11.6	19.2
3 12	12 36.55	+33 18.6	1.987	2.866	11.1	19.2
3 22	12 28.84	+34 22.2	1.995	2.866	11.6	19.2
4 1	12 20.73	+34 55.2	2.026	2.866	12.9	19.3
4 11	12 13.25	+34 55.3	2.078	2.867	14.5	19.4
4 21	12 7.24	+34 24.3	2.148	2.868	16.2	19.5
5 1	12 3.29	+33 26.1	2.233	2.869	17.8	19.7

294163 2007 TE_{364} 3 27.2 161°.15 7°.7/15.0 18

2 21	12 46.71	+24 40.3	2.713	3.539	10.0	20.8
3 2	12 42.02	+26 10.2	2.666	3.544	8.6	20.7
3 12	12 35.78	+27 31.0	2.645	3.547	7.8	20.6
3 22	12 28.54	+28 36.3	2.651	3.551	8.0	20.6
4 1	12 20.99	+29 21.0	2.683	3.554	9.1	20.7
4 11	12 13.87	+29 42.6	2.740	3.557	10.7	20.8
4 21	12 7.80	+29 41.2	2.818	3.559	12.3	20.9
5 1	12 3.27	+29 18.5	2.915	3.562	13.8	21.1

411390 2010 VQ_{87} 3 27.2 70°.07 2°.8/25.0 18

2 21	12 52.62	+ 2 53.8	1.594	2.436	15.2	20.8
3 2	12 47.04	+ 3 24.4	1.541	2.456	11.2	20.6
3 12	12 39.12	+ 4 1.0	1.511	2.477	6.9	20.4
3 22	12 29.71	+ 4 37.7	1.506	2.497	3.2	20.2
4 1	12 19.97	+ 5 7.8	1.530	2.517	4.4	20.3
4 11	12 11.06	+ 5 25.8	1.580	2.538	8.4	20.6
4 21	12 3.92	+ 5 28.8	1.655	2.558	12.3	20.9
5 1	11 59.13	+ 5 15.8	1.751	2.578	15.6	21.1

112906 2002 QP_{54} 3 27.2 334°.58 0°.6/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 47.65	− 3 12.0	1.341	2.188	17.1	19.6
3 2	12 44.12	− 2 56.8	1.262	2.178	13.0	19.4
3 12	12 37.80	− 2 26.5	1.203	2.170	8.2	19.1
3 22	12 29.41	− 1 45.9	1.169	2.162	2.8	18.7
4 1	12 20.14	− 1 1.8	1.159	2.155	3.0	18.7
4 11	12 11.44	− 0 22.8	1.174	2.148	8.5	19.0
4 21	12 4.53	+ 0 4.3	1.213	2.142	13.6	19.3
5 1	12 0.31	+ 0 14.8	1.271	2.137	18.0	19.5

442148 2010 VC_{62} 3 27.2 181°.52 3°.2/29.8 18

2 21	12 54.80	−13 26.5	1.589	2.379	17.6	22.5
3 2	12 49.17	−13 14.7	1.504	2.381	14.0	22.3
3 12	12 40.79	−12 39.6	1.440	2.382	9.7	22.0
3 22	12 30.42	−11 42.6	1.400	2.382	5.3	21.7
4 1	12 19.23	−10 28.8	1.388	2.381	3.4	21.6
4 11	12 8.62	− 9 7.0	1.404	2.379	7.2	21.8
4 21	11 59.80	− 7 46.9	1.445	2.376	11.8	22.1
5 1	11 53.61	− 6 37.4	1.510	2.371	15.9	22.3

64489 2001 VQ_{55} 3 27.2 260°.47 2°.8/30.3 18

2 21	12 46.16	−13 34.0	2.436	3.212	12.6	19.7
3 2	12 41.90	−13 29.4	2.330	3.198	10.0	19.5
3 12	12 35.90	−13 9.3	2.248	3.184	7.1	19.3
3 22	12 28.65	−12 34.9	2.191	3.170	4.1	19.1
4 1	12 20.85	−11 48.8	2.164	3.155	2.8	19.0
4 11	12 13.29	−10 55.8	2.166	3.140	5.1	19.1
4 21	12 6.72	−10 1.1	2.195	3.125	8.3	19.3
5 1	12 1.73	− 9 10.3	2.249	3.110	11.4	19.4

162119 1998 SV_{34} 3 27.2 255°.40 2°.1/25.2 18

2 21	12 53.23	+ 3 19.9	2.426	3.245	11.3	20.0
3 2	12 47.18	+ 3 34.0	2.320	3.223	8.5	19.8
3 12	12 39.20	+ 3 52.3	2.239	3.201	5.4	19.5
3 22	12 29.81	+ 4 11.1	2.188	3.178	2.4	19.3
4 1	12 19.78	+ 4 26.2	2.167	3.155	3.3	19.3
4 11	12 9.99	+ 4 33.9	2.177	3.131	6.7	19.5
4 21	12 1.27	+ 4 31.3	2.214	3.106	10.1	19.6
5 1	11 54.26	+ 4 17.0	2.275	3.081	13.1	19.8

339034 2004 HO_{53} 3 27.2 0°.71 12°.8/14.4 17

2 21	12 47.07	+27 34.0	1.494	2.343	15.6	19.2
3 2	12 43.40	+29 8.6	1.453	2.340	13.8	19.0
3 12	12 37.10	+30 25.1	1.433	2.338	12.8	19.0
3 22	12 29.07	+31 12.7	1.435	2.338	13.2	19.0
4 1	12 20.57	+31 23.4	1.458	2.339	14.6	19.1
4 11	12 12.95	+30 55.3	1.501	2.342	16.7	19.2
4 21	12 7.21	+29 51.5	1.562	2.346	18.9	19.4
5 1	12 4.00	+28 17.9	1.639	2.351	20.9	19.6

165324 2000 UK_{80} 3 27.2 77°.13 3°.0/29.8 18

2 21	12 48.60	−13 2.8	1.495	2.301	17.7	20.2
3 2	12 44.44	−12 46.1	1.425	2.312	14.0	20.0
3 12	12 37.75	−12 5.8	1.376	2.323	9.6	19.8
3 22	12 29.32	−11 4.4	1.350	2.334	5.1	19.5
4 1	12 20.30	− 9 48.3	1.351	2.345	3.2	19.4
4 11	12 11.99	− 8 26.7	1.378	2.356	6.9	19.7
4 21	12 5.43	− 7 9.4	1.430	2.367	11.3	19.9
5 1	12 1.32	− 6 4.2	1.505	2.378	15.3	20.2

52985 1998 UV_{19} 3 27.2 27°.51 3°.5/24.9 18

2 21	12 52.52	+ 3 27.1	1.267	2.123	17.4	17.8
3 2	12 47.75	+ 3 56.2	1.203	2.125	13.0	17.5
3 12	12 39.99	+ 4 33.0	1.160	2.128	8.2	17.2
3 22	12 30.13	+ 5 10.0	1.141	2.131	3.9	17.0
4 1	12 19.56	+ 5 38.9	1.147	2.135	5.4	17.1
4 11	12 9.84	+ 5 52.4	1.177	2.139	10.2	17.4
4 21	12 2.20	+ 5 47.0	1.231	2.143	14.9	17.6
5 1	11 57.47	+ 5 21.6	1.303	2.148	18.9	17.9

4314 Dervan 3 27.2 308°.07 1°.3/28.4 18

2 21	12 46.20	− 8 45.7	1.666	2.486	15.6	17.4
3 2	12 42.57	− 8 24.5	1.578	2.477	12.1	17.2
3 12	12 36.62	− 7 44.9	1.511	2.467	8.0	16.9
3 22	12 28.96	− 6 49.6	1.469	2.459	3.4	16.6
4 1	12 20.58	− 5 44.6	1.453	2.450	2.2	16.5
4 11	12 12.64	− 4 37.6	1.465	2.441	6.8	16.8
4 21	12 6.13	− 3 36.8	1.501	2.433	11.3	17.0
5 1	12 1.83	− 2 48.4	1.560	2.425	15.3	17.2

193222 2000 RS_{36} 3 27.2 139°.92 2°.7/24.5 18

2 21	12 49.24	− 6 59.0	1.217	2.057	19.0	20.2
3 2	12 45.33	− 4 20.3	1.151	2.067	14.1	19.9
3 12	12 38.48	− 1 10.1	1.108	2.076	8.5	19.6
3 22	12 29.61	+ 2 17.2	1.092	2.085	3.2	19.3
4 1	12 20.07	+ 5 40.9	1.104	2.092	5.5	19.5
4 11	12 11.40	+ 8 40.8	1.143	2.099	11.1	19.8
4 21	12 4.79	+11 3.5	1.207	2.106	16.2	20.1
5 1	12 1.01	+12 44.0	1.290	2.111	20.4	20.4

162467 2000 KJ_{20} 3 27.2 296°.15 2°.2/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 48.96	− 0 38.0	1.360	2.209	16.8	20.3
3 2	12 45.37	− 0 0.0	1.263	2.183	12.8	20.0
3 12	12 38.80	+ 0 53.2	1.188	2.157	8.0	19.6
3 22	12 29.86	+ 1 55.9	1.137	2.130	3.1	19.2
4 1	12 19.70	+ 2 59.2	1.111	2.103	4.4	19.2
4 11	12 9.83	+ 3 52.8	1.110	2.077	10.0	19.5
4 21	12 1.65	+ 4 28.7	1.132	2.051	15.4	19.7
5 1	11 56.27	+ 4 42.0	1.173	2.025	20.1	19.9

298901 2004 TU_{57} 3 27.2 39°.66 0°.3/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.98	− 5 7.0	1.191	2.036	18.9	20.0
3 2	12 45.89	− 4 56.5	1.133	2.048	14.4	19.7
3 12	12 38.82	− 4 28.2	1.095	2.060	9.1	19.5
3 22	12 29.72	− 3 47.0	1.080	2.073	3.3	19.2
4 1	12 20.01	− 3 0.6	1.090	2.087	2.7	19.2
4 11	12 11.22	− 2 18.0	1.124	2.101	8.4	19.5
4 21	12 4.56	− 1 46.5	1.181	2.116	13.5	19.9
5 1	12 0.79	− 1 31.0	1.258	2.131	17.7	20.2

147771 2005 QE_{63} 3 27.2 310°.41 1°.1/26.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.54	− 1 22.4	2.168	2.997	12.1	20.2
3 2	12 41.50	− 0 52.5	2.080	2.989	9.1	20.0
3 12	12 35.67	− 0 13.5	2.016	2.981	5.6	19.7
3 22	12 28.59	+ 0 30.6	1.980	2.973	2.0	19.5
4 1	12 21.01	+ 1 14.6	1.972	2.965	2.6	19.5
4 11	12 13.79	+ 1 53.4	1.993	2.958	6.4	19.7
4 21	12 7.67	+ 2 22.4	2.040	2.951	9.9	19.9
5 1	12 3.24	+ 2 38.7	2.110	2.944	13.0	20.1

212514 2006 RC_{33} 3 27.2 263°.97 2°.1/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.66	+ 1 17.1	1.857	2.687	13.8	20.6
3 2	12 47.36	+ 1 43.8	1.755	2.664	10.5	20.3
3 12	12 39.63	+ 2 19.1	1.677	2.641	6.5	20.0
3 22	12 30.06	+ 2 58.1	1.625	2.617	2.7	19.7
4 1	12 19.60	+ 3 34.9	1.602	2.592	3.8	19.7
4 11	12 9.41	+ 4 3.3	1.607	2.567	8.1	19.9
4 21	12 0.56	+ 4 18.4	1.638	2.541	12.4	20.1
5 1	11 53.91	+ 4 17.5	1.691	2.515	16.2	20.3

166303 2002 JX_{15} 3 27.2 286°.88 1°.8/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.66	−10 14.1	1.528	2.347	16.8	19.8
3 2	12 43.19	− 9 47.3	1.437	2.334	13.2	19.5
3 12	12 37.16	− 8 58.0	1.366	2.322	8.8	19.2
3 22	12 29.21	− 7 49.1	1.320	2.309	4.0	18.9
4 1	12 20.40	− 6 26.9	1.300	2.296	2.5	18.7
4 11	12 12.01	− 5 1.1	1.306	2.284	7.3	19.0
4 21	12 5.18	− 3 41.4	1.337	2.271	12.2	19.2
5 1	12 0.79	− 2 36.2	1.390	2.259	16.5	19.5

157934 1999 VM_{197} 3 27.2 213°.48 5°.5/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.64	+13 47.5	2.356	3.192	11.1	20.5
3 2	12 45.15	+14 42.8	2.280	3.185	8.6	20.3
3 12	12 37.86	+15 35.9	2.230	3.178	6.4	20.1
3 22	12 29.33	+16 20.6	2.208	3.171	5.6	20.1
4 1	12 20.36	+16 51.4	2.215	3.163	6.8	20.1
4 11	12 11.82	+17 4.2	2.249	3.155	9.2	20.3
4 21	12 4.45	+16 57.8	2.308	3.146	11.8	20.4
5 1	11 58.82	+16 32.8	2.388	3.137	14.2	20.6

458828 2011 UV_{17} 3 27.2 151°.53 3°.2/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.13	+ 3 33.2	1.839	2.673	13.8	21.6
3 2	12 47.32	+ 4 22.0	1.771	2.682	10.3	21.4
3 12	12 39.32	+ 5 17.0	1.726	2.690	6.4	21.2
3 22	12 29.85	+ 6 11.8	1.710	2.698	3.3	21.0
4 1	12 19.91	+ 6 59.4	1.722	2.705	4.7	21.1
4 11	12 10.61	+ 7 34.0	1.762	2.712	8.4	21.4
4 21	12 2.84	+ 7 52.0	1.827	2.717	12.0	21.6
5 1	11 57.25	+ 7 52.1	1.915	2.722	15.2	21.8

434866 2006 SW_{271} 3 27.2 23°.17 6°.4/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 41.75	−27 23.3	1.914	2.636	17.3	20.3
3 2	12 38.98	−26 47.5	1.830	2.645	14.7	20.1
3 12	12 34.20	−25 39.8	1.765	2.654	11.8	20.0
3 22	12 28.08	−24 0.8	1.722	2.664	8.8	19.8
4 1	12 21.53	−21 54.9	1.706	2.674	6.7	19.7
4 11	12 15.52	−19 31.1	1.718	2.685	7.0	19.7
4 21	12 10.88	−17 0.9	1.757	2.697	9.4	19.9
5 1	12 8.18	−14 35.8	1.822	2.709	12.3	20.1

459494 2013 CM_{161} 3 27.2 174°.60 0°.2/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.68	− 4 46.5	1.686	2.508	15.4	21.9
3 2	12 46.56	− 4 18.1	1.607	2.510	11.7	21.6
3 12	12 39.02	− 3 35.2	1.551	2.512	7.3	21.4
3 22	12 29.80	− 2 42.0	1.520	2.513	2.5	21.1
4 1	12 19.93	− 1 45.1	1.518	2.514	2.5	21.1
4 11	12 10.64	− 0 51.9	1.544	2.514	7.3	21.4
4 21	12 2.93	− 0 8.8	1.595	2.514	11.7	21.6
5 1	11 57.53	+ 0 19.6	1.668	2.513	15.4	21.9

221326 2005 VK_{106} 3 27.2 127°.31 1°.7/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 49.97	+ 0 7.5	2.142	2.967	12.4	21.2
3 2	12 44.65	+ 0 45.7	2.073	2.980	9.2	21.0
3 12	12 37.51	+ 1 31.6	2.030	2.993	5.6	20.8
3 22	12 29.20	+ 2 20.3	2.014	3.006	2.2	20.6
4 1	12 20.52	+ 3 6.4	2.028	3.018	3.1	20.6
4 11	12 12.38	+ 3 44.6	2.071	3.030	6.6	20.9
4 21	12 5.51	+ 4 11.3	2.140	3.041	10.0	21.1
5 1	12 0.45	+ 4 24.3	2.233	3.052	12.9	21.3

436938 2012 TK_{131} 3 27.2 107°.19 4°.0/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.57	+ 9 45.1	2.355	3.187	11.2	20.9
3 2	12 45.67	+10 12.3	2.290	3.198	8.4	20.7
3 12	12 38.06	+10 38.9	2.251	3.209	5.7	20.5
3 22	12 29.37	+10 59.9	2.241	3.219	4.0	20.5
4 1	12 20.38	+11 11.2	2.259	3.230	5.1	20.5
4 11	12 11.93	+11 9.6	2.307	3.240	7.7	20.7
4 21	12 4.70	+10 54.0	2.381	3.250	10.4	20.9
5 1	11 59.21	+10 24.6	2.477	3.260	12.8	21.1

173298 1999 TV_{289} 3 27.2 109°.36 1°.3/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.79	− 2 16.9	1.773	2.600	14.5	21.2
3 2	12 45.57	− 1 32.4	1.709	2.617	10.8	21.0
3 12	12 38.21	− 0 36.3	1.670	2.634	6.6	20.8
3 22	12 29.45	+ 0 25.5	1.657	2.650	2.3	20.6
4 1	12 20.31	+ 1 26.3	1.673	2.666	3.0	20.7
4 11	12 11.83	+ 2 18.9	1.717	2.681	7.3	20.9
4 21	12 4.90	+ 2 58.2	1.786	2.696	11.2	21.2
5 1	12 0.10	+ 3 21.4	1.878	2.711	14.5	21.4

222508 2001 TS_{25} 3 27.2 155°.96 1°.4/28.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.55	− 9 43.9	2.373	3.162	12.5	22.4
3 2	12 44.28	− 9 23.4	2.290	3.171	9.7	22.2
3 12	12 37.29	− 8 49.2	2.231	3.179	6.4	22.0
3 22	12 29.13	− 8 3.9	2.199	3.186	2.9	21.8
4 1	12 20.58	− 7 11.3	2.197	3.193	1.9	21.8
4 11	12 12.44	− 6 16.9	2.226	3.199	5.1	22.0
4 21	12 5.43	− 5 25.7	2.282	3.204	8.5	22.2
5 1	12 0.10	− 4 42.3	2.364	3.209	11.4	22.4

203470 2002 AU 3 27.2 171°.44 3°.3/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.16	+ 3 4.5	1.858	2.694	13.6	21.5
3 2	12 45.90	+ 4 10.1	1.785	2.698	10.1	21.3
3 12	12 38.47	+ 5 23.5	1.737	2.701	6.3	21.0
3 22	12 29.58	+ 6 37.6	1.716	2.704	3.4	20.9
4 1	12 20.17	+ 7 44.6	1.724	2.706	4.9	21.0
4 11	12 11.33	+ 8 37.6	1.760	2.707	8.6	21.2
4 21	12 3.93	+ 9 12.2	1.821	2.707	12.3	21.4
5 1	11 58.63	+ 9 26.6	1.904	2.707	15.4	21.6

148553 2001 QB_{161} 3 27.2 189°.28 0°.4/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.80	− 6 1.0	2.128	2.936	13.1	20.8
3 2	12 44.72	− 5 38.7	2.040	2.935	10.0	20.6
3 12	12 37.69	− 5 4.0	1.977	2.934	6.4	20.4
3 22	12 29.31	− 4 19.9	1.940	2.932	2.4	20.1
4 1	12 20.41	− 3 31.1	1.934	2.930	1.9	20.1
4 11	12 11.91	− 2 43.4	1.956	2.927	5.9	20.4
4 21	12 4.64	− 2 1.9	2.005	2.924	9.7	20.6
5 1	11 59.21	− 1 30.8	2.079	2.920	12.9	20.8

272997 2006 DS_{53} 3 27.2 248°.95 0°.2/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.88	− 5 54.8	2.004	2.821	13.4	21.1
3 2	12 42.67	− 5 26.0	1.916	2.816	10.2	20.9
3 12	12 36.48	− 4 43.7	1.851	2.811	6.5	20.7
3 22	12 28.90	− 3 51.3	1.814	2.806	2.4	20.4
4 1	12 20.78	− 2 54.1	1.804	2.801	2.0	20.4
4 11	12 13.05	− 1 58.7	1.823	2.795	6.2	20.6
4 21	12 6.54	− 1 10.7	1.869	2.790	10.1	20.8
5 1	12 1.91	− 0 34.8	1.937	2.784	13.5	21.0

63518 2001 OM_{105} 3 27.2 245°.26 4°.5/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.83	−19 3.0	2.485	3.231	13.2	19.7
3 2	12 42.43	−19 12.4	2.380	3.220	10.9	19.5
3 12	12 36.27	−19 4.2	2.297	3.209	8.3	19.3
3 22	12 28.83	−18 38.2	2.239	3.198	5.8	19.1
4 1	12 20.83	−17 56.0	2.209	3.187	4.5	19.0
4 11	12 13.08	−17 1.8	2.207	3.175	5.7	19.1
4 21	12 6.34	−16 1.2	2.234	3.163	8.3	19.2
5 1	12 1.21	−15 0.1	2.285	3.151	11.0	19.4

421053 2013 QQ_{2} 3 27.2 330°.20 2°.8/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.03	−11 47.2	1.686	2.491	16.1	20.8
3 2	12 43.92	−11 44.2	1.603	2.489	12.7	20.6
3 12	12 37.44	−11 21.5	1.540	2.487	8.8	20.3
3 22	12 29.28	−10 41.0	1.502	2.486	4.6	20.1
4 1	12 20.43	− 9 47.0	1.490	2.485	3.0	19.9
4 11	12 12.08	− 8 46.7	1.506	2.483	6.6	20.2
4 21	12 5.22	− 7 47.9	1.547	2.482	10.8	20.4
5 1	12 0.62	− 6 57.5	1.611	2.481	14.6	20.6

67296 2000 GA_{80} 3 27.2 267°.00 4°.0/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 45.79	+ 3 14.4	1.831	2.678	13.2	19.0
3 2	12 42.09	+ 4 47.6	1.743	2.662	9.9	18.8
3 12	12 36.25	+ 6 32.0	1.680	2.646	6.3	18.5
3 22	12 28.86	+ 8 19.4	1.644	2.630	4.0	18.3
4 1	12 20.80	+10 0.0	1.636	2.613	5.9	18.4
4 11	12 13.10	+11 24.6	1.656	2.596	9.6	18.6
4 21	12 6.68	+12 27.0	1.700	2.579	13.4	18.8
5 1	12 2.26	+13 4.4	1.765	2.562	16.7	19.0

437043 2012 TY_{317} 3 27.2 78°.69 8°.5/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.55	−35 28.3	2.465	3.096	15.8	20.9
3 2	12 42.28	−35 41.5	2.383	3.113	14.1	20.8
3 12	12 36.14	−35 28.1	2.319	3.130	12.2	20.6
3 22	12 28.75	−34 46.3	2.275	3.147	10.4	20.5
4 1	12 20.96	−33 37.0	2.255	3.164	8.9	20.5
4 11	12 13.69	−32 4.5	2.261	3.180	8.6	20.5
4 21	12 7.70	−30 15.9	2.294	3.197	9.3	20.5
5 1	12 3.55	−28 19.9	2.352	3.213	10.9	20.7

455457 2003 SE_{380} 3 27.2 51°.65 1°.1/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.98	− 2 27.7	1.343	2.188	17.2	21.6
3 2	12 45.57	− 1 58.3	1.285	2.201	12.9	21.3
3 12	12 38.48	− 1 14.9	1.248	2.215	7.9	21.1
3 22	12 29.61	− 0 23.7	1.236	2.229	2.7	20.8
4 1	12 20.21	+ 0 27.2	1.249	2.244	3.3	20.9
4 11	12 11.67	+ 1 9.8	1.288	2.259	8.4	21.2
4 21	12 5.05	+ 1 37.9	1.350	2.274	13.0	21.5
5 1	12 1.04	+ 1 48.5	1.433	2.289	16.9	21.8

139249 2001 HR_{33} 3 27.2 340°.07 1°.9/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.34	− 0 36.5	1.479	2.325	15.9	19.5
3 2	12 44.34	− 0 0.5	1.404	2.321	11.9	19.3
3 12	12 37.79	+ 0 47.7	1.351	2.318	7.3	19.0
3 22	12 29.42	+ 1 42.1	1.323	2.316	2.7	18.7
4 1	12 20.34	+ 2 34.7	1.321	2.313	3.9	18.8
4 11	12 11.86	+ 3 17.6	1.345	2.311	8.7	19.1
4 21	12 5.06	+ 3 44.9	1.393	2.309	13.2	19.3
5 1	12 0.72	+ 3 53.4	1.461	2.308	17.1	19.5

274928 2009 SU_{170} 3 27.2 126°.61 3°.3/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.56	+ 5 53.0	2.230	3.061	11.8	21.0
3 2	12 45.74	+ 6 34.0	2.167	3.076	8.8	20.8
3 12	12 38.15	+ 7 17.6	2.129	3.091	5.6	20.6
3 22	12 29.43	+ 7 58.7	2.120	3.106	3.3	20.5
4 1	12 20.41	+ 8 32.1	2.141	3.119	4.5	20.6
4 11	12 11.95	+ 8 53.5	2.190	3.133	7.5	20.8
4 21	12 4.76	+ 9 0.7	2.266	3.146	10.4	21.0
5 1	11 59.37	+ 8 53.1	2.365	3.158	13.1	21.2

344817 2004 DN_{30} 3 27.2 50°.31 0°.8/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.00	− 2 49.4	1.241	2.086	18.3	20.4
3 2	12 47.48	− 2 31.4	1.174	2.090	13.9	20.1
3 12	12 39.91	− 1 58.3	1.128	2.094	8.6	19.9
3 22	12 30.19	− 1 15.3	1.105	2.098	2.9	19.5
4 1	12 19.69	− 0 30.4	1.107	2.103	3.3	19.6
4 11	12 10.01	+ 0 7.7	1.135	2.107	8.9	19.9
4 21	12 2.42	+ 0 32.2	1.185	2.112	14.1	20.2
5 1	11 57.78	+ 0 39.1	1.255	2.117	18.4	20.5

102479 1999 TQ_{250} 3 27.2 64°.23 4°.2/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.84	−15 5.5	1.855	2.635	15.8	19.7
3 2	12 45.02	−15 27.6	1.779	2.646	12.7	19.5
3 12	12 37.99	−15 30.7	1.726	2.658	9.2	19.3
3 22	12 29.45	−15 15.1	1.697	2.669	5.8	19.1
4 1	12 20.37	−14 43.4	1.694	2.681	4.3	19.1
4 11	12 11.83	−14 1.1	1.720	2.693	6.4	19.2
4 21	12 4.77	−13 14.9	1.771	2.705	9.7	19.4
5 1	11 59.83	−12 31.4	1.846	2.717	13.0	19.7

469745 2005 OQ_{2} 3 27.2 195°.59 7°.0/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.52	−35 6.8	3.474	4.078	11.9	22.0
3 2	12 42.62	−35 29.5	3.366	4.075	10.7	21.9
3 12	12 36.23	−35 33.6	3.277	4.071	9.4	21.7
3 22	12 28.80	−35 17.4	3.210	4.066	8.1	21.6
4 1	12 20.94	−34 40.8	3.169	4.061	7.2	21.6
4 11	12 13.33	−33 45.8	3.154	4.056	7.0	21.6
4 21	12 6.57	−32 36.4	3.166	4.050	7.7	21.6
5 1	12 1.19	−31 17.8	3.205	4.043	8.9	21.7

285542 2000 GM_{139} 3 27.2 339°.70 6°.4/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.13	+ 6 28.8	1.148	2.022	17.4	19.8
3 2	12 43.30	+ 7 53.2	1.083	2.015	13.2	19.6
3 12	12 37.43	+ 9 26.4	1.039	2.008	8.8	19.3
3 22	12 29.37	+10 56.3	1.018	2.002	6.4	19.1
4 1	12 20.44	+12 9.6	1.021	1.996	8.7	19.2
4 11	12 12.26	+12 55.5	1.046	1.992	13.2	19.5
4 21	12 6.12	+13 9.3	1.091	1.988	17.7	19.7
5 1	12 2.89	+12 51.4	1.153	1.985	21.6	19.9

166590 2002 RV_{167} 3 27.2 136°.53 0°.2/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 46.72	− 5 55.9	2.354	3.163	12.0	21.0
3 2	12 42.18	− 5 26.3	2.274	3.170	9.1	20.8
3 12	12 36.00	− 4 45.2	2.219	3.177	5.7	20.6
3 22	12 28.72	− 3 56.2	2.192	3.183	2.1	20.4
4 1	12 21.07	− 3 3.7	2.194	3.190	1.7	20.3
4 11	12 13.82	− 2 13.0	2.225	3.196	5.3	20.6
4 21	12 7.65	− 1 28.7	2.284	3.202	8.7	20.8
5 1	12 3.07	− 0 54.6	2.367	3.208	11.6	21.0

389230 2009 EL_{10} 3 27.2 318°.18 1°.2/26.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 44.88	− 1 47.8	2.019	2.852	12.8	21.0
3 2	12 41.18	− 1 12.7	1.930	2.841	9.6	20.7
3 12	12 35.57	− 0 27.1	1.865	2.830	5.9	20.5
3 22	12 28.63	+ 0 24.6	1.826	2.819	2.1	20.2
4 1	12 21.12	+ 1 16.8	1.816	2.809	2.8	20.2
4 11	12 13.97	+ 2 3.3	1.833	2.799	6.8	20.5
4 21	12 7.99	+ 2 39.1	1.876	2.789	10.5	20.7
5 1	12 3.79	+ 3 0.7	1.942	2.780	13.8	20.9

109170 2001 QK_{64} 3 27.2 141°.05 0°.4/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.21	− 3 58.8	2.191	3.004	12.6	20.6
3 2	12 44.86	− 3 28.1	2.117	3.015	9.5	20.5
3 12	12 37.69	− 2 46.8	2.067	3.027	5.9	20.2
3 22	12 29.32	− 1 58.8	2.045	3.037	2.0	20.0
4 1	12 20.56	− 1 9.1	2.052	3.047	2.1	20.0
4 11	12 12.30	− 0 23.2	2.089	3.057	5.9	20.3
4 21	12 5.27	+ 0 14.3	2.153	3.065	9.4	20.5
5 1	12 0.03	+ 0 40.3	2.242	3.074	12.4	20.7

496002 2007 VF_{223} 3 27.2 227°.63 4°.7/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.70	−21 9.0	2.036	2.780	15.7	23.0
3 2	12 44.25	−20 35.1	1.927	2.767	13.1	22.8
3 12	12 37.61	−19 34.2	1.839	2.754	9.9	22.6
3 22	12 29.38	−18 6.3	1.777	2.740	6.6	22.3
4 1	12 20.44	−16 15.2	1.742	2.725	4.7	22.2
4 11	12 11.86	−14 9.1	1.737	2.710	6.3	22.3
4 21	12 4.56	−11 58.2	1.760	2.693	9.8	22.4
5 1	11 59.29	− 9 53.1	1.809	2.676	13.4	22.6

277299 2005 SN_{133} 3 27.2 188°.30 0°.7/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.22	− 2 29.0	2.438	3.250	11.5	22.2
3 2	12 44.80	− 2 0.6	2.350	3.249	8.7	22.0
3 12	12 37.65	− 1 23.5	2.287	3.247	5.4	21.8
3 22	12 29.32	− 0 41.0	2.253	3.245	1.8	21.5
4 1	12 20.55	+ 0 2.3	2.248	3.242	2.2	21.6
4 11	12 12.13	+ 0 41.7	2.274	3.239	5.7	21.8
4 21	12 4.80	+ 1 13.2	2.328	3.234	9.1	22.0
5 1	11 59.09	+ 1 33.9	2.406	3.229	12.0	22.2

33994 Regidufour 3 27.2 166°.23 2°.6/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.44	−10 27.1	1.559	2.368	17.0	19.1
3 2	12 46.66	−10 29.4	1.479	2.369	13.4	18.9
3 12	12 39.26	−10 12.6	1.420	2.370	9.1	18.6
3 22	12 29.97	− 9 38.3	1.385	2.371	4.5	18.4
4 1	12 19.94	− 8 51.1	1.377	2.372	2.9	18.3
4 11	12 10.47	− 7 58.4	1.396	2.373	7.0	18.5
4 21	12 2.71	− 7 8.1	1.440	2.373	11.6	18.8
5 1	11 57.46	− 6 27.0	1.506	2.374	15.6	19.0

435415 2008 AB_{133} 3 27.2 245°.85 3°.3/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.88	−14 56.9	2.503	3.270	12.5	21.1
3 2	12 42.41	−15 5.3	2.404	3.264	10.1	20.9
3 12	12 36.23	−14 58.9	2.328	3.257	7.3	20.7
3 22	12 28.85	−14 38.0	2.278	3.251	4.6	20.5
4 1	12 20.96	−14 4.8	2.257	3.244	3.3	20.4
4 11	12 13.35	−13 23.4	2.265	3.237	5.1	20.6
4 21	12 6.73	−12 38.7	2.300	3.230	8.0	20.7
5 1	12 1.68	−11 55.6	2.361	3.223	10.8	20.9

141923 2002 PS_{84} 3 27.2 236°.03 1°.7/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.63	− 0 57.9	2.019	2.845	13.0	20.6
3 2	12 44.81	− 0 10.6	1.924	2.831	9.8	20.3
3 12	12 37.90	+ 0 47.8	1.853	2.817	6.0	20.1
3 22	12 29.48	+ 1 52.3	1.809	2.802	2.3	19.8
4 1	12 20.39	+ 2 56.4	1.795	2.786	3.3	19.8
4 11	12 11.63	+ 3 53.2	1.809	2.769	7.3	20.0
4 21	12 4.09	+ 4 37.3	1.850	2.752	11.2	20.2
5 1	11 58.49	+ 5 5.0	1.913	2.734	14.7	20.4

477084 2009 BO_{104} 3 27.2 342°.88 7°.5/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.72	−20 25.2	1.803	2.559	17.1	20.3
3 2	12 45.39	−21 38.1	1.710	2.550	14.5	20.1
3 12	12 38.55	−22 31.5	1.637	2.541	11.6	19.9
3 22	12 29.78	−23 2.2	1.586	2.533	8.9	19.7
4 1	12 20.07	−23 8.9	1.561	2.526	7.5	19.6
4 11	12 10.65	−22 54.2	1.562	2.519	8.5	19.7
4 21	12 2.67	−22 24.0	1.587	2.514	11.2	19.8
5 1	11 57.02	−21 45.9	1.634	2.509	14.2	20.0

458938 2011 UG_{324} 3 27.2 108°.45 1°.3/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 51.68	− 2 19.3	1.646	2.476	15.3	22.4
3 2	12 46.41	− 1 33.7	1.584	2.493	11.4	22.2
3 12	12 38.83	− 0 35.9	1.545	2.510	7.0	22.0
3 22	12 29.75	+ 0 28.2	1.533	2.526	2.4	21.7
4 1	12 20.24	+ 1 31.0	1.549	2.542	3.2	21.8
4 11	12 11.47	+ 2 24.9	1.592	2.557	7.7	22.1
4 21	12 4.36	+ 3 4.6	1.661	2.572	11.8	22.4
5 1	11 59.54	+ 3 27.0	1.751	2.586	15.2	22.6

290802 2005 VA_{89} 3 27.2 130°.47 2°.1/24.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.21	+ 0 53.8	2.171	2.999	12.2	21.9
3 2	12 44.09	+ 1 43.5	2.103	3.012	9.0	21.7
3 12	12 37.20	+ 2 40.6	2.061	3.025	5.5	21.5
3 22	12 29.16	+ 3 39.8	2.047	3.038	2.4	21.3
4 1	12 20.77	+ 4 35.1	2.062	3.050	3.4	21.4
4 11	12 12.90	+ 5 21.2	2.106	3.061	6.8	21.7
4 21	12 6.26	+ 5 54.1	2.177	3.072	10.1	21.9
5 1	12 1.38	+ 6 11.9	2.271	3.083	13.0	22.1

87541 2000 QG_{208} 3 27.2 303°.89 1°.2/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.63	− 3 15.3	1.611	2.450	15.1	19.6
3 2	12 42.43	− 2 29.0	1.508	2.421	11.5	19.3
3 12	12 36.76	− 1 25.6	1.427	2.393	7.2	19.0
3 22	12 29.18	− 0 10.1	1.371	2.364	2.5	18.6
4 1	12 20.63	+ 1 9.7	1.341	2.335	3.3	18.6
4 11	12 12.31	+ 2 24.3	1.339	2.307	8.4	18.8
4 21	12 5.37	+ 3 25.2	1.360	2.279	13.3	19.0
5 1	12 0.73	+ 4 6.5	1.402	2.251	17.6	19.2

403822 2011 UX_{161} 3 27.2 196°.87 2°.1/25.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.89	+ 0 45.5	1.876	2.704	13.8	22.3
3 2	12 47.30	+ 1 23.0	1.793	2.702	10.3	22.1
3 12	12 39.45	+ 2 9.3	1.734	2.698	6.4	21.8
3 22	12 30.01	+ 2 59.3	1.703	2.694	2.6	21.6
4 1	12 19.96	+ 3 46.4	1.700	2.690	3.7	21.6
4 11	12 10.39	+ 4 24.4	1.725	2.684	7.8	21.9
4 21	12 2.26	+ 4 48.7	1.777	2.678	11.7	22.1
5 1	11 56.28	+ 4 56.9	1.851	2.671	15.1	22.3

379291 2009 VM_{38} 3 27.2 233°.49 4°.0/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.37	−17 21.6	2.140	2.904	14.5	21.6
3 2	12 43.10	−17 11.2	2.039	2.894	11.8	21.4
3 12	12 36.82	−16 40.1	1.958	2.884	8.7	21.2
3 22	12 29.11	−15 48.8	1.904	2.874	5.6	20.9
4 1	12 20.76	−14 40.5	1.877	2.863	4.0	20.8
4 11	12 12.73	−13 21.1	1.878	2.852	5.9	20.9
4 21	12 5.87	−11 58.2	1.907	2.840	9.2	21.1
5 1	12 0.87	−10 39.3	1.961	2.828	12.5	21.3

97936 2000 QS_{115} 3 27.2 191°.47 0°.5/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.38	− 7 10.6	1.936	2.745	14.2	20.9
3 2	12 45.37	− 6 34.8	1.849	2.744	10.9	20.7
3 12	12 38.23	− 5 43.4	1.785	2.742	6.9	20.5
3 22	12 29.58	− 4 40.0	1.748	2.739	2.6	20.2
4 1	12 20.34	− 3 30.5	1.739	2.736	2.0	20.1
4 11	12 11.55	− 2 22.2	1.760	2.732	6.4	20.4
4 21	12 4.10	− 1 21.9	1.808	2.727	10.5	20.6
5 1	11 58.68	− 0 34.7	1.879	2.721	14.0	20.8

93584 2000 UL_{51} 3 27.2 200°.53 2°.0/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.40	+ 0 56.2	2.299	3.125	11.6	21.0
3 2	12 43.54	+ 1 41.7	2.214	3.122	8.7	20.8
3 12	12 36.93	+ 2 34.8	2.154	3.118	5.3	20.6
3 22	12 29.10	+ 3 30.8	2.122	3.114	2.3	20.4
4 1	12 20.81	+ 4 24.1	2.120	3.109	3.3	20.4
4 11	12 12.89	+ 5 9.3	2.148	3.103	6.7	20.6
4 21	12 6.07	+ 5 42.5	2.201	3.097	10.0	20.8
5 1	12 0.92	+ 6 1.1	2.279	3.090	12.9	21.0

139457 2001 OJ_{74} 3 27.2 181°.44 3°.2/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.33	+ 5 7.2	2.513	3.349	10.4	20.4
3 2	12 41.08	+ 6 13.5	2.437	3.350	7.7	20.2
3 12	12 35.31	+ 7 24.3	2.387	3.350	5.0	20.0
3 22	12 28.51	+ 8 34.1	2.366	3.350	3.2	19.9
4 1	12 21.36	+ 9 37.2	2.374	3.349	4.4	20.0
4 11	12 14.56	+10 28.6	2.412	3.349	7.2	20.2
4 21	12 8.73	+11 4.9	2.475	3.348	9.9	20.3
5 1	12 4.38	+11 24.6	2.562	3.346	12.4	20.5

423720 2006 BO_{88} 3 27.2 106°.97 0°.6/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.60	− 6 19.1	1.945	2.759	13.9	21.5
3 2	12 43.96	− 6 2.6	1.866	2.764	10.6	21.3
3 12	12 37.29	− 5 32.9	1.811	2.769	6.8	21.1
3 22	12 29.24	− 4 53.3	1.782	2.774	2.6	20.9
4 1	12 20.70	− 4 8.4	1.782	2.778	1.9	20.8
4 11	12 12.64	− 3 24.4	1.810	2.783	6.1	21.1
4 21	12 5.91	− 2 46.6	1.864	2.787	10.0	21.3
5 1	12 1.13	− 2 19.2	1.941	2.792	13.3	21.5

408667 2014 MU_{30} 3 27.2 203°.11 3°.5/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 51.52	+ 3 49.3	1.821	2.658	13.7	22.3
3 2	12 46.34	+ 4 47.5	1.741	2.655	10.3	22.1
3 12	12 38.88	+ 5 53.2	1.686	2.650	6.5	21.8
3 22	12 29.83	+ 6 59.3	1.658	2.645	3.6	21.7
4 1	12 20.16	+ 7 58.3	1.658	2.639	5.1	21.7
4 11	12 10.99	+ 8 43.1	1.685	2.633	8.9	21.9
4 21	12 3.28	+ 9 9.5	1.738	2.626	12.7	22.1
5 1	11 57.73	+ 9 15.7	1.812	2.618	16.0	22.3

57513 2001 SS_{281} 3 27.2 170°.60 2°.6/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.66	−13 7.1	2.625	3.397	11.9	19.4
3 2	12 42.84	−13 9.9	2.533	3.399	9.4	19.2
3 12	12 36.43	−12 59.2	2.465	3.401	6.7	19.0
3 22	12 28.92	−12 36.1	2.425	3.402	3.9	18.8
4 1	12 20.99	−12 3.1	2.413	3.404	2.7	18.8
4 11	12 13.38	−11 24.1	2.431	3.405	4.8	18.9
4 21	12 6.74	−10 43.7	2.478	3.405	7.6	19.1
5 1	12 1.61	−10 6.2	2.550	3.406	10.3	19.3

522625 2016 FR_{66} 3 27.2 210°.28 5°.9/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.56	+13 48.0	2.398	3.240	10.7	21.4
3 2	12 42.14	+15 16.8	2.327	3.235	8.3	21.3
3 12	12 36.03	+16 44.6	2.283	3.230	6.4	21.1
3 22	12 28.79	+18 4.3	2.268	3.224	5.9	21.1
4 1	12 21.12	+19 9.1	2.280	3.218	7.3	21.2
4 11	12 13.82	+19 54.3	2.320	3.211	9.6	21.3
4 21	12 7.59	+20 17.9	2.383	3.204	12.0	21.4
5 1	12 2.96	+20 19.8	2.467	3.197	14.2	21.6

387346 2012 WX_{12} 3 27.2 174°.35 2°.3/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.52	+ 3 32.4	2.662	3.491	10.1	21.6
3 2	12 41.87	+ 4 16.4	2.584	3.493	7.5	21.4
3 12	12 35.76	+ 5 4.8	2.531	3.495	4.7	21.2
3 22	12 28.67	+ 5 53.4	2.508	3.496	2.5	21.1
4 1	12 21.24	+ 6 37.5	2.514	3.497	3.5	21.2
4 11	12 14.16	+ 7 12.9	2.550	3.497	6.3	21.3
4 21	12 8.03	+ 7 36.8	2.612	3.497	9.0	21.5
5 1	12 3.31	+ 7 47.5	2.699	3.497	11.5	21.7

468458 2003 WH_{14} 3 27.2 265°.49 4°.4/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.97	−19 35.9	2.391	3.136	13.6	21.7
3 2	12 42.74	−19 24.2	2.269	3.110	11.3	21.4
3 12	12 36.62	−18 51.9	2.169	3.084	8.6	21.2
3 22	12 29.07	−17 58.7	2.095	3.057	5.9	21.0
4 1	12 20.82	−16 46.7	2.049	3.030	4.4	20.9
4 11	12 12.75	−15 21.1	2.031	3.002	5.8	20.9
4 21	12 5.67	−13 49.0	2.042	2.974	8.8	21.0
5 1	12 0.28	−12 18.0	2.079	2.945	12.0	21.2

326366 2000 WV_{21} 3 27.2 193°.70 4°.9/21.3 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.99	+12 2.0	2.520	3.354	10.5	21.4
3 2	12 44.58	+13 3.1	2.445	3.351	8.1	21.2
3 12	12 37.49	+14 3.6	2.397	3.348	5.8	21.1
3 22	12 29.29	+14 57.5	2.377	3.344	4.9	21.0
4 1	12 20.69	+15 39.4	2.387	3.340	6.1	21.1
4 11	12 12.49	+16 5.2	2.425	3.335	8.5	21.2
4 21	12 5.36	+16 13.1	2.489	3.329	11.0	21.4
5 1	11 59.84	+16 3.2	2.574	3.322	13.2	21.5

500352 2012 TH_{11} 3 27.2 112°.35 3°.4/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.06	+ 7 49.1	2.382	3.213	11.1	21.6
3 2	12 45.33	+ 8 13.6	2.313	3.222	8.3	21.4
3 12	12 37.92	+ 8 38.7	2.271	3.231	5.4	21.3
3 22	12 29.42	+ 9 0.2	2.256	3.239	3.5	21.2
4 1	12 20.61	+ 9 13.5	2.272	3.248	4.5	21.2
4 11	12 12.29	+ 9 15.7	2.316	3.256	7.2	21.4
4 21	12 5.15	+ 9 5.1	2.387	3.265	10.1	21.6
5 1	11 59.70	+ 8 41.4	2.481	3.273	12.6	21.8

329361 2001 TG_{119} 3 27.2 271°.22 8°.1/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.04	−26 2.1	1.869	2.592	17.6	20.1
3 2	12 44.08	−26 35.6	1.771	2.583	15.3	19.9
3 12	12 37.70	−26 42.7	1.692	2.574	12.6	19.7
3 22	12 29.50	−26 20.6	1.634	2.566	9.9	19.6
4 1	12 20.45	−25 29.2	1.601	2.557	8.3	19.4
4 11	12 11.76	−24 13.1	1.594	2.548	8.7	19.4
4 21	12 4.51	−22 40.8	1.611	2.539	10.9	19.5
5 1	11 59.53	−21 2.6	1.652	2.530	13.9	19.7

71205 1999 XD_{244} 3 27.2 213°.51 0°.8/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.95	− 8 36.5	2.810	3.600	10.7	21.5
3 2	12 42.24	− 8 0.8	2.707	3.590	8.3	21.3
3 12	12 36.04	− 7 12.9	2.629	3.580	5.4	21.1
3 22	12 28.80	− 6 15.3	2.580	3.569	2.2	20.9
4 1	12 21.13	− 5 12.0	2.561	3.557	1.5	20.8
4 11	12 13.72	− 4 7.7	2.573	3.545	4.7	21.0
4 21	12 7.16	− 3 7.4	2.614	3.531	7.7	21.2
5 1	12 1.97	− 2 15.1	2.681	3.518	10.5	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
81998 2000 QX_{210}			3 27.2 263°.06		0°.2/27.5 18	
	h m	° ′			°	m
2 21	12 46.50	− 5 39.6	2.642	3.446	10.9	21.2
3 2	12 42.07	− 5 13.7	2.530	3.424	8.4	21.0
3 12	12 36.04	− 4 37.2	2.444	3.401	5.3	20.7
3 22	12 28.84	− 3 52.4	2.385	3.377	2.0	20.5
4 1	12 21.09	− 3 3.4	2.357	3.353	1.6	20.4
4 11	12 13.54	− 2 14.7	2.358	3.328	5.1	20.6
4 21	12 6.84	− 1 30.9	2.388	3.303	8.5	20.8
5 1	12 1.58	− 0 55.8	2.442	3.278	11.4	20.9
247852 2003 TY_{11}			3 27.2 57°.66		3°.7/24.8 18	
2 21	12 55.17	+ 4 41.9	1.335	2.185	17.0	19.1
3 2	12 49.31	+ 5 7.9	1.290	2.208	12.6	18.9
3 12	12 40.72	+ 5 38.4	1.266	2.232	7.9	18.7
3 22	12 30.42	+ 6 6.3	1.266	2.256	4.0	18.5
4 1	12 19.80	+ 6 24.5	1.293	2.280	5.3	18.7
4 11	12 10.27	+ 6 27.7	1.346	2.304	9.6	19.0
4 21	12 2.87	+ 6 13.9	1.422	2.328	13.7	19.3
5 1	11 58.20	+ 5 43.3	1.519	2.352	17.2	19.6
313778 2003 YG_{21}			3 27.2 24°.48		1°.3/28.2 18	
2 21	12 48.03	− 7 6.9	1.280	2.118	18.3	20.5
3 2	12 44.39	− 7 4.1	1.216	2.126	14.1	20.3
3 12	12 37.95	− 6 42.4	1.172	2.134	9.1	20.0
3 22	12 29.56	− 6 5.5	1.152	2.143	3.8	19.7
4 1	12 20.52	− 5 19.9	1.156	2.153	2.5	19.7
4 11	12 12.24	− 4 34.2	1.185	2.163	7.7	20.0
4 21	12 5.91	− 3 56.1	1.237	2.175	12.7	20.3
5 1	12 2.27	− 3 31.6	1.309	2.187	16.9	20.6
222352 2000 WP_{128}			3 27.2 113°.93		2°.2/25.1 18	
2 21	12 48.94	+ 1 18.7	1.956	2.791	13.1	20.5
3 2	12 44.14	+ 1 58.9	1.886	2.798	9.7	20.3
3 12	12 37.37	+ 2 46.5	1.840	2.805	6.0	20.1
3 22	12 29.29	+ 3 36.5	1.820	2.812	2.6	19.9
4 1	12 20.77	+ 4 22.5	1.830	2.818	3.7	20.0
4 11	12 12.79	+ 4 58.9	1.867	2.825	7.3	20.2
4 21	12 6.14	+ 5 21.9	1.930	2.831	10.9	20.5
5 1	12 1.41	+ 5 29.4	2.016	2.838	14.0	20.7
52473 1995 SE_{17}			3 27.2 63°.21		0°.1/27.1 18	
2 21	12 47.07	− 4 42.9	2.089	2.907	12.9	19.0
3 2	12 42.54	− 4 14.2	2.027	2.928	9.7	18.8
3 12	12 36.26	− 3 34.5	1.989	2.950	6.0	18.6
3 22	12 28.87	− 2 47.7	1.979	2.971	2.1	18.4
4 1	12 21.18	− 1 59.0	1.997	2.993	1.9	18.4
4 11	12 14.04	− 1 13.9	2.044	3.014	5.8	18.7
4 21	12 8.15	− 0 37.0	2.117	3.036	9.2	19.0
5 1	12 4.00	− 0 11.5	2.214	3.057	12.2	19.2
54913 2001 OY_{87}			3 27.3 65°.57		9°.1/19.1 18	
2 21	12 51.83	+18 23.1	1.578	2.430	14.8	18.7
3 2	12 46.54	+19 53.2	1.545	2.451	11.8	18.6
3 12	12 38.88	+21 13.6	1.535	2.473	9.6	18.5
3 22	12 29.78	+22 14.3	1.550	2.495	9.2	18.6
4 1	12 20.43	+22 47.8	1.589	2.517	10.7	18.7
4 11	12 12.03	+22 50.9	1.653	2.538	13.1	18.9
4 21	12 5.47	+22 25.3	1.737	2.560	15.7	19.1
5 1	12 1.30	+21 34.9	1.840	2.582	18.0	19.3
432994 2012 PJ_{38}			3 27.3 160°.64		2°.7/30.1 17	
2 21	12 47.68	−12 59.2	2.246	3.027	13.3	21.7
3 2	12 43.11	−12 53.0	2.158	3.030	10.6	21.5
3 12	12 36.73	−12 30.7	2.094	3.033	7.4	21.3
3 22	12 29.09	−11 53.9	2.055	3.035	4.1	21.1
4 1	12 20.97	−11 6.0	2.045	3.037	2.8	21.1
4 11	12 13.24	−10 12.2	2.064	3.039	5.3	21.2
4 21	12 6.65	− 9 18.2	2.111	3.041	8.6	21.4
5 1	12 1.79	− 8 29.5	2.182	3.042	11.7	21.6
128669 2004 RA_{61}			3 27.3 233°.29		2°.1/24.9 18	
2 21	12 48.47	+ 1 6.3	2.320	3.147	11.5	20.9
3 2	12 43.69	+ 1 54.1	2.225	3.133	8.6	20.7
3 12	12 37.10	+ 2 49.9	2.155	3.119	5.3	20.5
3 22	12 29.24	+ 3 49.0	2.114	3.105	2.4	20.2
4 1	12 20.83	+ 4 45.8	2.102	3.089	3.4	20.3
4 11	12 12.71	+ 5 34.5	2.119	3.074	6.9	20.5
4 21	12 5.65	+ 6 10.9	2.164	3.057	10.3	20.7
5 1	12 0.26	+ 6 32.2	2.231	3.040	13.2	20.8
292496 2006 TU_{4}			3 27.3 143°.70		1°.7/25.0 18	
2 21	12 44.24	− 0 31.7	2.385	3.214	11.2	20.6
3 2	12 40.36	+ 0 29.4	2.306	3.216	8.3	20.4
3 12	12 34.92	+ 1 39.3	2.254	3.219	5.0	20.2
3 22	12 28.43	+ 2 52.9	2.230	3.221	2.1	20.0
4 1	12 21.58	+ 4 4.2	2.235	3.224	3.1	20.1
4 11	12 15.10	+ 5 7.6	2.269	3.226	6.3	20.3
4 21	12 9.62	+ 5 58.7	2.330	3.228	9.5	20.5
5 1	12 5.65	+ 6 34.5	2.415	3.230	12.2	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
369332 2009 SQ_{257}			3 27.3 194°.38		5°.4/ 1.7 17	
	h m	° ′			°	m
2 21	12 51.63	−20 19.8	2.305	3.039	14.4	21.7
3 2	12 46.22	−20 46.6	2.207	3.037	12.0	21.6
3 12	12 38.77	−20 54.7	2.131	3.035	9.3	21.4
3 22	12 29.85	−20 43.0	2.080	3.031	6.7	21.2
4 1	12 20.28	−20 12.6	2.056	3.028	5.4	21.1
4 11	12 11.03	−19 27.2	2.061	3.023	6.5	21.2
4 21	12 2.97	−18 32.8	2.094	3.018	9.0	21.3
5 1	11 56.79	−17 36.1	2.151	3.013	11.8	21.5
263129 2007 VJ_{84}			3 27.3 126°.49		2°.5/24.9 18	
2 21	12 48.93	− 0 24.5	1.682	2.521	14.6	20.9
3 2	12 44.42	+ 0 44.5	1.615	2.529	10.9	20.6
3 12	12 37.68	+ 2 5.4	1.572	2.538	6.6	20.4
3 22	12 29.44	+ 3 30.7	1.555	2.546	2.8	20.2
4 1	12 20.71	+ 4 51.7	1.566	2.554	4.2	20.3
4 11	12 12.60	+ 6 0.0	1.604	2.562	8.4	20.5
4 21	12 6.02	+ 6 50.0	1.668	2.569	12.3	20.8
5 1	12 1.62	+ 7 19.0	1.752	2.576	15.7	21.0
203780 2002 SL_{71}			3 27.3 250°.64		0°.6/26.7 17	
2 21	12 47.10	− 3 7.5	2.158	2.980	12.5	20.9
3 2	12 42.73	− 2 40.3	2.071	2.975	9.4	20.7
3 12	12 36.52	− 2 2.8	2.009	2.971	5.8	20.4
3 22	12 29.03	− 1 18.6	1.973	2.966	2.0	20.2
4 1	12 21.04	− 0 32.8	1.966	2.961	2.2	20.2
4 11	12 13.42	+ 0 9.3	1.988	2.956	6.1	20.4
4 21	12 6.95	+ 0 42.9	2.036	2.951	9.7	20.6
5 1	12 2.20	+ 1 4.7	2.108	2.946	12.9	20.8
186122 2001 TH_{145}			3 27.3 239°.21		1°.8/25.3 17	
2 21	12 46.71	− 1 47.0	1.923	2.755	13.3	20.7
3 2	12 42.68	− 0 41.6	1.835	2.746	10.0	20.5
3 12	12 36.61	+ 0 36.9	1.772	2.737	6.1	20.2
3 22	12 29.09	+ 2 2.6	1.736	2.728	2.3	19.9
4 1	12 20.98	+ 3 27.8	1.728	2.718	3.5	20.0
4 11	12 13.25	+ 4 44.4	1.749	2.708	7.6	20.2
4 21	12 6.78	+ 5 46.0	1.795	2.698	11.5	20.4
5 1	12 2.23	+ 6 28.7	1.864	2.688	14.9	20.6
244553 2002 VN_{56}			3 27.3 142°.97		5°.0/23.0 18	
2 21	12 53.72	+ 6 52.8	1.580	2.425	15.1	20.8
3 2	12 48.13	+ 8 1.2	1.519	2.435	11.3	20.5
3 12	12 40.03	+ 9 13.9	1.481	2.444	7.4	20.3
3 22	12 30.26	+10 22.0	1.470	2.452	5.1	20.2
4 1	12 19.98	+11 16.5	1.486	2.460	6.7	20.3
4 11	12 10.47	+11 50.9	1.528	2.467	10.4	20.5
4 21	12 2.73	+12 2.3	1.594	2.473	14.1	20.8
5 1	11 57.46	+11 50.7	1.680	2.479	17.3	21.0
116874 2004 FZ_{109}			3 27.3 301°.03		2°.3/25.3 17	
2 21	12 51.35	+ 3 46.0	2.091	2.922	12.5	20.0
3 2	12 46.08	+ 3 53.2	1.994	2.904	9.4	19.7
3 12	12 38.72	+ 4 4.2	1.922	2.885	5.9	19.5
3 22	12 29.84	+ 4 15.1	1.877	2.867	2.7	19.2
4 1	12 20.29	+ 4 21.5	1.861	2.849	3.6	19.3
4 11	12 11.07	+ 4 19.4	1.873	2.832	7.3	19.5
4 21	12 3.05	+ 4 6.2	1.912	2.814	11.0	19.6
5 1	11 56.95	+ 3 40.5	1.974	2.796	14.2	19.8
376440 2012 HT_{37}			3 27.3 291°.64		0°.6/27.8 17	
2 21	12 46.37	− 7 26.7	1.718	2.540	15.1	20.9
3 2	12 42.79	− 6 55.9	1.620	2.522	11.7	20.7
3 12	12 36.90	− 6 7.0	1.544	2.503	7.6	20.4
3 22	12 29.26	− 5 3.3	1.493	2.484	2.9	20.0
4 1	12 20.81	− 3 50.9	1.469	2.466	2.2	19.9
4 11	12 12.67	− 2 38.1	1.473	2.447	7.0	20.2
4 21	12 5.89	− 1 32.9	1.501	2.429	11.6	20.4
5 1	12 1.27	− 0 41.9	1.552	2.411	15.7	20.6
278172 2007 DM_{72}			3 27.3 273°.10		0°.1/27.2 17	
2 21	12 49.34	− 4 6.8	1.822	2.646	14.3	20.8
3 2	12 44.73	− 3 51.0	1.739	2.643	10.9	20.6
3 12	12 37.92	− 3 23.0	1.680	2.641	6.8	20.3
3 22	12 29.56	− 2 46.4	1.646	2.639	2.4	20.1
4 1	12 20.59	− 2 6.5	1.640	2.636	2.2	20.0
4 11	12 12.10	− 1 29.3	1.662	2.634	6.7	20.3
4 21	12 4.99	− 1 0.2	1.710	2.632	10.9	20.5
5 1	11 59.98	− 0 43.0	1.781	2.629	14.4	20.8
77130 2001 DG_{99}			3 27.3 306°.57		5°.3/31.6 18	
2 21	12 47.99	−16 56.3	1.544	2.332	18.1	19.6
3 2	12 44.32	−17 14.8	1.454	2.324	14.9	19.4
3 12	12 37.99	−17 8.8	1.384	2.315	11.1	19.1
3 22	12 29.67	−16 37.5	1.336	2.308	7.3	18.9
4 1	12 20.44	−15 43.4	1.314	2.300	5.4	18.7
4 11	12 11.65	−14 33.5	1.317	2.293	7.6	18.8
4 21	12 4.48	−13 17.4	1.345	2.285	11.6	19.0
5 1	11 59.84	−12 5.0	1.395	2.279	15.6	19.3

502932 2015 EX_{34} 3 27.3 219°.43 0°.4/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 48.47	− 5 51.3	2.301	3.108	12.3	21.7
3 2	12 43.68	− 5 34.3	2.207	3.102	9.4	21.5
3 12	12 37.10	− 5 6.2	2.139	3.095	6.0	21.3
3 22	12 29.24	− 4 29.4	2.097	3.089	2.3	21.0
4 1	12 20.88	− 3 48.2	2.085	3.082	1.7	21.0
4 11	12 12.84	− 3 7.4	2.103	3.074	5.5	21.2
4 21	12 5.88	− 2 31.8	2.147	3.067	9.1	21.4
5 1	12 0.61	− 2 5.1	2.216	3.059	12.2	21.6

239664 2008 XE 3 27.3 128°.56 6°.1/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.02	+14 34.8	2.250	3.093	11.3	20.2
3 2	12 43.24	+15 47.1	2.193	3.100	8.8	20.1
3 12	12 36.72	+16 56.5	2.161	3.107	6.7	19.9
3 22	12 29.07	+17 55.8	2.156	3.113	6.1	19.9
4 1	12 21.08	+18 39.1	2.179	3.120	7.4	20.0
4 11	12 13.60	+19 2.5	2.229	3.126	9.7	20.1
4 21	12 7.32	+19 4.9	2.302	3.132	12.1	20.3
5 1	12 2.76	+18 47.0	2.396	3.137	14.3	20.5

229915 1990 SH 3 27.3 181°.97 5°.7/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.06	+15 30.4	2.616	3.450	10.1	20.9
3 2	12 43.84	+16 43.6	2.550	3.451	8.0	20.8
3 12	12 37.04	+17 53.8	2.510	3.451	6.2	20.7
3 22	12 29.18	+18 54.9	2.499	3.451	5.8	20.6
4 1	12 20.98	+19 41.3	2.517	3.450	7.0	20.7
4 11	12 13.17	+20 9.4	2.563	3.448	9.0	20.8
4 21	12 6.41	+20 18.0	2.632	3.446	11.2	21.0
5 1	12 1.20	+20 7.4	2.723	3.443	13.2	21.1

502264 2015 BD_{122} 3 27.3 236°.67 2°.1/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.89	+ 0 37.1	1.976	2.810	12.9	21.4
3 2	12 43.48	+ 1 22.1	1.893	2.805	9.7	21.2
3 12	12 37.07	+ 2 16.1	1.834	2.799	6.0	20.9
3 22	12 29.26	+ 3 13.8	1.802	2.794	2.5	20.7
4 1	12 20.91	+ 4 8.8	1.799	2.788	3.6	20.7
4 11	12 12.97	+ 4 54.8	1.824	2.782	7.4	21.0
4 21	12 6.30	+ 5 27.1	1.874	2.776	11.1	21.2
5 1	12 1.52	+ 5 43.1	1.947	2.770	14.4	21.4

284079 2005 JZ_{23} 3 27.3 246°.82 0°.5/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.06	− 3 31.5	2.372	3.189	11.6	21.7
3 2	12 41.83	− 2 57.0	2.278	3.180	8.7	21.5
3 12	12 35.93	− 2 12.2	2.209	3.170	5.4	21.3
3 22	12 28.85	− 1 20.5	2.167	3.160	1.8	21.0
4 1	12 21.28	− 0 26.9	2.155	3.150	2.1	21.0
4 11	12 14.02	+ 0 23.3	2.172	3.140	5.8	21.2
4 21	12 7.75	+ 1 5.5	2.217	3.129	9.2	21.4
5 1	12 3.06	+ 1 36.2	2.285	3.118	12.2	21.6

421408 2013 VG_{21} 3 27.3 5°.27 5°.3/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.89	−17 2.0	1.727	2.507	16.8	20.0
3 2	12 43.91	−17 30.7	1.644	2.507	13.8	19.8
3 12	12 37.55	−17 38.0	1.581	2.507	10.3	19.6
3 22	12 29.48	−17 23.2	1.541	2.508	7.0	19.4
4 1	12 20.71	−16 48.5	1.527	2.510	5.3	19.3
4 11	12 12.40	−15 59.4	1.539	2.511	7.1	19.4
4 21	12 5.58	−15 3.4	1.576	2.513	10.4	19.6
5 1	12 1.01	−14 8.7	1.636	2.516	13.9	19.8

195481 2002 GO_{132} 3 27.3 275°.65 0°.8/28.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.07	− 6 54.8	2.016	2.827	13.6	20.9
3 2	12 43.75	− 6 40.6	1.914	2.810	10.5	20.6
3 12	12 37.34	− 6 12.6	1.836	2.793	6.8	20.4
3 22	12 29.41	− 5 33.3	1.785	2.775	2.8	20.1
4 1	12 20.76	− 4 47.1	1.761	2.758	1.9	20.0
4 11	12 12.39	− 3 59.9	1.766	2.740	6.1	20.2
4 21	12 5.21	− 3 17.5	1.797	2.722	10.2	20.4
5 1	11 59.93	− 2 44.9	1.852	2.704	13.8	20.6

25044 1998 QE_{43} 3 27.3 111°.43 1°.2/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.94	− 1 37.2	2.294	3.115	11.8	18.9
3 2	12 43.08	− 0 53.3	2.227	3.132	8.8	18.7
3 12	12 36.59	− 0 0.9	2.186	3.149	5.3	18.5
3 22	12 29.03	+ 0 55.6	2.172	3.165	1.9	18.3
4 1	12 21.18	+ 1 50.7	2.189	3.181	2.6	18.4
4 11	12 13.81	+ 2 39.2	2.234	3.196	6.0	18.6
4 21	12 7.59	+ 3 17.2	2.307	3.211	9.2	18.9
5 1	12 3.00	+ 3 42.0	2.404	3.226	12.0	19.1

108175 2001 HD_{12} 3 27.3 343°.96 0°.7/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.50	− 4 14.9	1.321	2.169	17.3	19.3
3 2	12 42.57	− 3 40.6	1.245	2.162	13.1	19.0
3 12	12 36.93	− 2 48.2	1.189	2.156	8.2	18.7
3 22	12 29.31	− 1 43.4	1.157	2.151	2.8	18.4
4 1	12 20.88	− 0 34.6	1.151	2.146	3.1	18.4
4 11	12 13.03	+ 0 28.1	1.169	2.142	8.6	18.7
4 21	12 6.95	+ 1 16.4	1.209	2.139	13.6	18.9
5 1	12 3.47	+ 1 44.9	1.270	2.137	17.9	19.2

269111 2007 JR_{37} 3 27.3 210°.98 0°.8/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 47.54	− 3 9.1	2.075	2.897	12.8	21.4
3 2	12 43.13	− 2 27.6	1.989	2.894	9.7	21.1
3 12	12 36.82	− 1 34.5	1.927	2.890	6.0	20.9
3 22	12 29.18	− 0 34.2	1.893	2.886	2.0	20.6
4 1	12 21.02	+ 0 27.4	1.888	2.882	2.5	20.7
4 11	12 13.25	+ 1 23.8	1.911	2.877	6.5	20.9
4 21	12 6.68	+ 2 9.9	1.961	2.872	10.2	21.1
5 1	12 1.92	+ 2 41.9	2.034	2.867	13.5	21.3

277248 2005 RK_{30} 3 27.3 100°.16 0°.7/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.49	− 7 38.8	2.042	2.851	13.5	20.1
3 2	12 42.90	− 5 49.2	1.976	2.874	10.1	19.9
3 12	12 36.53	− 3 42.6	1.936	2.897	6.2	19.7
3 22	12 29.02	− 1 26.3	1.926	2.919	2.0	19.5
4 1	12 21.23	+ 0 50.1	1.947	2.941	2.5	19.6
4 11	12 14.01	+ 2 56.9	1.999	2.962	6.5	19.9
4 21	12 8.09	+ 4 46.5	2.079	2.982	10.1	20.1
5 1	12 3.95	+ 6 14.5	2.183	3.002	13.2	20.4

156723 2002 TQ_{238} 3 27.3 149°.27 0°.5/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.27	− 3 47.4	1.693	2.513	15.4	21.6
3 2	12 48.48	− 3 18.8	1.621	2.523	11.6	21.4
3 12	12 40.26	− 2 37.0	1.571	2.532	7.2	21.1
3 22	12 30.40	− 1 46.6	1.548	2.540	2.5	20.8
4 1	12 19.97	− 0 54.1	1.553	2.548	2.6	20.9
4 11	12 10.21	− 0 6.7	1.586	2.555	7.3	21.2
4 21	12 2.10	+ 0 29.9	1.645	2.561	11.6	21.4
5 1	11 56.36	+ 0 51.8	1.727	2.566	15.2	21.7

428686 2008 KT_{38} 3 27.3 243°.98 1°.1/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.58	− 2 20.8	2.074	2.897	12.8	21.9
3 2	12 44.02	− 1 41.2	1.979	2.884	9.7	21.6
3 12	12 37.45	− 0 50.2	1.907	2.870	6.0	21.4
3 22	12 29.44	+ 0 7.8	1.863	2.856	2.1	21.1
4 1	12 20.79	+ 1 7.0	1.847	2.841	2.7	21.1
4 11	12 12.47	+ 2 1.0	1.861	2.825	6.8	21.3
4 21	12 5.32	+ 2 44.4	1.901	2.810	10.6	21.5
5 1	12 0.01	+ 3 13.3	1.964	2.793	14.0	21.7

133921 2004 RJ_{315} 3 27.3 114°.25 0°.5/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.45	− 5 0.5	1.980	2.801	13.4	20.2
3 2	12 42.32	− 4 9.8	1.904	2.808	10.1	20.0
3 12	12 36.29	− 3 5.5	1.853	2.815	6.3	19.8
3 22	12 28.99	− 1 52.4	1.828	2.821	2.1	19.5
4 1	12 21.24	− 0 37.2	1.832	2.827	2.3	19.5
4 11	12 13.98	+ 0 33.0	1.865	2.834	6.4	19.8
4 21	12 7.98	+ 1 32.1	1.924	2.840	10.2	20.0
5 1	12 3.81	+ 2 16.1	2.006	2.846	13.4	20.3

155106 2005 SX_{231} 3 27.3 257°.34 0°.4/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.75	− 6 31.3	1.408	2.239	17.3	20.7
3 2	12 45.71	− 6 2.9	1.326	2.233	13.3	20.4
3 12	12 38.89	− 5 14.9	1.265	2.227	8.5	20.1
3 22	12 30.01	− 4 11.7	1.229	2.221	3.2	19.8
4 1	12 20.27	− 3 0.9	1.218	2.215	2.5	19.7
4 11	12 11.08	− 1 52.1	1.234	2.208	8.1	20.0
4 21	12 3.66	− 0 54.1	1.273	2.202	13.1	20.3
5 1	11 58.88	− 0 13.6	1.333	2.195	17.5	20.6

497304 2005 ST_{269} 3 27.3 209°.86 1°.2/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.67	− 9 3.7	2.482	3.270	12.0	24.4
3 2	12 44.51	− 8 42.9	2.381	3.262	9.3	24.2
3 12	12 37.60	− 8 9.1	2.305	3.254	6.2	24.0
3 22	12 29.46	− 7 24.3	2.256	3.244	2.8	23.7
4 1	12 20.79	− 6 32.3	2.238	3.234	1.8	23.6
4 11	12 12.41	− 5 38.2	2.250	3.223	5.1	23.8
4 21	12 5.04	− 4 47.0	2.290	3.211	8.5	24.0
5 1	11 59.28	− 4 3.4	2.356	3.198	11.6	24.2

465454 2008 SB_{83} 3 27.3 311°.54 4°.6/31.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 43.17	−17 54.5	1.616	2.404	17.4	20.7
3 2	12 40.67	−17 37.8	1.510	2.380	14.4	20.4
3 12	12 35.74	−16 52.6	1.424	2.357	10.7	20.1
3 22	12 28.93	−15 38.6	1.361	2.335	6.8	19.8
4 1	12 21.21	−13 59.4	1.323	2.313	4.6	19.6
4 11	12 13.77	−12 4.1	1.312	2.291	7.1	19.7
4 21	12 7.75	−10 4.4	1.326	2.269	11.4	19.9
5 1	12 4.04	− 8 12.1	1.362	2.249	15.7	20.1

206999 2004 TJ_{220} 3 27.3 143°.84 3°.6/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.71	+ 5 39.4	2.033	2.862	12.8	21.3
3 2	12 48.34	+ 6 30.9	1.969	2.877	9.6	21.1
3 12	12 39.94	+ 7 25.9	1.930	2.891	6.1	20.9
3 22	12 30.24	+ 8 18.4	1.919	2.904	3.7	20.8
4 1	12 20.17	+ 9 2.0	1.938	2.916	5.0	20.9
4 11	12 10.73	+ 9 31.5	1.986	2.927	8.2	21.1
4 21	12 2.74	+ 9 44.6	2.060	2.938	11.4	21.3
5 1	11 56.79	+ 9 40.5	2.157	2.947	14.3	21.5

413177 2002 QM_{112} 3 27.3 282°.61 2°.8/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 49.67	−10 54.1	1.634	2.441	16.5	21.4
3 2	12 45.51	−11 0.2	1.536	2.424	13.1	21.1
3 12	12 38.75	−10 47.6	1.458	2.407	9.0	20.8
3 22	12 29.99	−10 17.1	1.405	2.389	4.7	20.5
4 1	12 20.26	− 9 32.2	1.378	2.372	3.1	20.4
4 11	12 10.84	− 8 39.6	1.377	2.355	7.1	20.6
4 21	12 2.90	− 7 47.1	1.402	2.337	11.7	20.8
5 1	11 57.36	− 7 2.3	1.449	2.320	15.9	21.0

303336 2004 TK_{157} 3 27.3 264°.16 3°.7/30.4 16

2 21	12 48.50	−14 28.3	1.580	2.376	17.4	20.8
3 2	12 44.68	−14 19.3	1.484	2.363	14.0	20.5
3 12	12 38.24	−13 46.0	1.408	2.350	10.0	20.2
3 22	12 29.81	−12 48.7	1.356	2.337	5.7	20.0
4 1	12 20.45	−11 32.0	1.330	2.323	3.8	19.8
4 11	12 11.46	−10 4.4	1.331	2.309	7.2	20.0
4 21	12 4.04	− 8 36.0	1.357	2.295	11.7	20.2
5 1	11 59.08	− 7 16.7	1.405	2.281	16.0	20.4

488544 2001 SV_{355} 3 27.3 207°.52 2°.8/24.8 17

2 21	12 53.19	+ 2 13.7	1.875	2.705	13.7	22.9
3 2	12 47.62	+ 3 0.2	1.790	2.699	10.3	22.7
3 12	12 39.75	+ 3 55.0	1.729	2.692	6.4	22.4
3 22	12 30.26	+ 4 52.2	1.695	2.685	3.0	22.2
4 1	12 20.10	+ 5 44.7	1.690	2.676	4.3	22.3
4 11	12 10.40	+ 6 25.9	1.714	2.667	8.3	22.5
4 21	12 2.13	+ 6 51.4	1.763	2.657	12.2	22.7
5 1	11 56.02	+ 6 58.9	1.834	2.646	15.6	22.9

268063 2004 RP_{50} 3 27.3 249°.79 1°.0/26.3 17

2 21	12 49.02	− 2 8.1	2.130	2.951	12.6	21.3
3 2	12 44.32	− 1 35.4	2.031	2.935	9.5	21.1
3 12	12 37.63	− 0 52.3	1.957	2.919	5.9	20.9
3 22	12 29.51	− 0 2.6	1.910	2.903	2.0	20.6
4 1	12 20.75	+ 0 48.4	1.892	2.886	2.6	20.6
4 11	12 12.28	+ 1 34.6	1.903	2.868	6.6	20.8
4 21	12 4.95	+ 2 11.2	1.941	2.850	10.4	21.0
5 1	11 59.43	+ 2 34.4	2.002	2.832	13.8	21.2

312511 2009 CO_{20} 3 27.3 198°.87 0°.2/27.1 17

2 21	12 50.71	− 5 21.7	1.920	2.734	14.1	21.9
3 2	12 45.71	− 4 41.1	1.831	2.731	10.7	21.7
3 12	12 38.53	− 3 45.9	1.767	2.727	6.7	21.4
3 22	12 29.83	− 2 40.3	1.730	2.722	2.3	21.1
4 1	12 20.50	− 1 30.7	1.721	2.717	2.3	21.1
4 11	12 11.60	− 0 24.4	1.741	2.711	6.7	21.4
4 21	12 4.06	+ 0 32.1	1.788	2.704	10.8	21.6
5 1	11 58.55	+ 1 14.1	1.859	2.696	14.4	21.8

380908 2006 DO_{193} 3 27.3 51°.99 1°.9/26.7 17

2 21	13 10.11	+ 4 51.4	1.023	1.866	21.6	20.3
3 2	13 1.91	+ 3 48.3	0.960	1.873	16.5	20.0
3 12	12 49.38	+ 2 43.9	0.916	1.881	10.4	19.6
3 22	12 33.74	+ 1 35.7	0.896	1.889	3.9	19.3
4 1	12 17.08	+ 0 22.4	0.902	1.897	4.2	19.3
4 11	12 1.81	− 0 56.1	0.935	1.906	10.6	19.7
4 21	11 49.76	− 2 18.5	0.990	1.915	16.4	20.1
5 1	11 41.93	− 3 44.5	1.065	1.924	21.2	20.4

300064 2006 UJ_{194} 3 27.3 189°.15 0°.3/26.9 18

2 21	12 46.07	− 3 39.5	2.860	3.668	10.1	22.3
3 2	12 41.52	− 3 9.7	2.770	3.667	7.6	22.1
3 12	12 35.59	− 2 31.5	2.706	3.666	4.7	21.9
3 22	12 28.73	− 1 48.1	2.671	3.664	1.6	21.7
4 1	12 21.51	− 1 3.1	2.667	3.662	1.7	21.7
4 11	12 14.59	− 0 20.6	2.692	3.659	4.8	21.9
4 21	12 8.51	+ 0 15.6	2.746	3.656	7.7	22.1
5 1	12 3.74	+ 0 42.9	2.825	3.653	10.3	22.2

292419 2006 SU_{302} 3 27.3 283°.24 1°.5/28.5 17

2 21	12 48.36	− 8 43.7	1.621	2.439	16.1	21.5
3 2	12 44.50	− 8 27.6	1.522	2.420	12.6	21.2
3 12	12 38.11	− 7 52.6	1.445	2.401	8.3	20.9
3 22	12 29.78	− 7 0.9	1.393	2.382	3.7	20.6
4 1	12 20.50	− 5 57.7	1.367	2.363	2.4	20.4
4 11	12 11.54	− 4 51.3	1.367	2.344	7.2	20.7
4 21	12 4.03	− 3 50.0	1.393	2.325	12.0	20.9
5 1	11 58.89	− 3 1.0	1.441	2.306	16.3	21.1

246469 2007 VC_{317} 3 27.3 185°.55 4°.2/20.2 18

2 21	12 45.96	+13 25.3	3.321	4.152	8.3	21.7
3 2	12 41.26	+14 30.2	3.249	4.152	6.4	21.5
3 12	12 35.34	+15 33.7	3.205	4.151	4.8	21.4
3 22	12 28.62	+16 31.3	3.191	4.150	4.3	21.4
4 1	12 21.62	+17 18.9	3.206	4.148	5.3	21.5
4 11	12 14.90	+17 53.3	3.250	4.145	7.1	21.6
4 21	12 8.95	+18 12.9	3.321	4.141	9.0	21.7
5 1	12 4.16	+18 17.4	3.413	4.138	10.7	21.8

67589 2000 SL_{131} 3 27.3 39°.88 9°.1/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 48.57	−23 58.4	1.272	2.042	22.2	18.1
3 2	12 45.14	−24 46.2	1.209	2.054	18.9	17.9
3 12	12 38.63	−24 59.9	1.162	2.068	15.2	17.7
3 22	12 29.94	−24 36.6	1.135	2.082	11.5	17.6
4 1	12 20.46	−23 37.7	1.129	2.097	9.3	17.5
4 11	12 11.80	−22 11.8	1.147	2.112	9.9	17.6
4 21	12 5.27	−20 31.8	1.187	2.128	12.7	17.8
5 1	12 1.71	−18 51.3	1.249	2.145	16.2	18.0

498723 2008 TN_{113} 3 27.3 136°.24 1°.6/25.6 17

2 21	12 47.72	− 0 17.3	2.132	2.961	12.3	21.7
3 2	12 43.14	+ 0 23.0	2.057	2.965	9.2	21.5
3 12	12 36.76	+ 1 11.8	2.006	2.970	5.6	21.3
3 22	12 29.17	+ 2 4.2	1.982	2.975	2.2	21.1
4 1	12 21.16	+ 2 54.7	1.988	2.979	3.0	21.2
4 11	12 13.59	+ 3 37.7	2.022	2.983	6.6	21.4
4 21	12 7.22	+ 4 9.0	2.083	2.987	10.1	21.6
5 1	12 2.60	+ 4 26.2	2.166	2.991	13.1	21.8

472162 2014 DQ_{23} 3 27.3 322°.22 2°.6/29.8 17

2 21	12 46.73	−11 25.4	2.158	2.951	13.5	20.6
3 2	12 42.58	−11 33.6	2.064	2.943	10.6	20.4
3 12	12 36.54	−11 27.2	1.992	2.935	7.4	20.2
3 22	12 29.14	−11 7.4	1.946	2.928	4.1	19.9
4 1	12 21.15	−10 36.8	1.928	2.921	2.7	19.8
4 11	12 13.48	−10 0.2	1.938	2.914	5.5	20.0
4 21	12 6.93	− 9 22.7	1.975	2.907	9.0	20.2
5 1	12 2.15	− 8 49.5	2.036	2.901	12.2	20.4

55435 2001 TY_{67} 3 27.3 68°.01 0°.8/26.4 18

2 21	12 46.17	− 2 58.4	2.154	2.978	12.4	19.2
3 2	12 41.89	− 2 19.6	2.088	2.994	9.2	19.0
3 12	12 35.92	− 1 31.0	2.047	3.010	5.7	18.8
3 22	12 28.85	− 0 36.9	2.033	3.026	1.9	18.6
4 1	12 21.46	+ 0 17.3	2.048	3.042	2.3	18.6
4 11	12 14.57	+ 1 5.9	2.092	3.059	6.0	18.9
4 21	12 8.85	+ 1 44.6	2.162	3.075	9.4	19.1
5 1	12 4.81	+ 2 10.6	2.256	3.091	12.3	19.4

280146 2002 PC_{92} 3 27.3 244°.89 5°.3/ 2.7 18

2 21	12 46.63	−22 26.5	2.400	3.128	14.0	21.1
3 2	12 42.47	−22 28.7	2.292	3.116	11.8	20.9
3 12	12 36.46	−22 10.0	2.206	3.104	9.3	20.7
3 22	12 29.11	−21 29.7	2.143	3.091	6.8	20.5
4 1	12 21.16	−20 29.6	2.108	3.078	5.4	20.4
4 11	12 13.49	−19 14.2	2.101	3.065	6.2	20.4
4 21	12 6.86	−17 50.2	2.122	3.052	8.6	20.5
5 1	12 1.94	−16 24.8	2.168	3.038	11.4	20.7

508750 2017 UL_{36} 3 27.3 191°.67 4°.5/20.7 18

2 21	12 48.12	+14 28.1	3.106	3.935	8.8	21.9
3 2	12 42.93	+15 16.5	3.033	3.933	6.9	21.8
3 12	12 36.41	+16 2.5	2.987	3.931	5.2	21.7
3 22	12 29.01	+16 41.6	2.969	3.928	4.6	21.6
4 1	12 21.32	+17 9.8	2.982	3.925	5.5	21.7
4 11	12 13.95	+17 24.2	3.023	3.921	7.4	21.8
4 21	12 7.44	+17 23.7	3.089	3.916	9.4	21.9
5 1	12 2.22	+17 8.3	3.179	3.911	11.3	22.1

151118 2001 WZ_{47} 3 27.3 67°.81 9°.4/18.6 18

2 21	12 52.00	+20 0.4	1.647	2.494	14.4	19.4
3 2	12 46.70	+21 26.8	1.610	2.511	11.8	19.2
3 12	12 39.05	+22 42.7	1.596	2.528	9.8	19.2
3 22	12 29.95	+23 38.4	1.607	2.545	9.5	19.2
4 1	12 20.55	+24 6.5	1.643	2.562	10.9	19.3
4 11	12 12.05	+24 4.2	1.702	2.579	13.3	19.5
4 21	12 5.34	+23 33.3	1.783	2.597	15.7	19.7
5 1	12 0.99	+22 37.5	1.881	2.614	17.9	19.9

426793 2013 TR_{131} 3 27.3 240°.89 2°.2/24.9 17

2 21	12 48.65	+ 0 45.6	2.146	2.975	12.3	22.2
3 2	12 44.03	+ 1 40.9	2.050	2.959	9.2	21.9
3 12	12 37.45	+ 2 45.7	1.979	2.943	5.7	21.7
3 22	12 29.47	+ 3 54.8	1.936	2.927	2.5	21.4
4 1	12 20.87	+ 5 1.6	1.922	2.909	3.7	21.5
4 11	12 12.57	+ 5 59.6	1.937	2.891	7.4	21.7
4 21	12 5.40	+ 6 43.8	1.978	2.873	11.0	21.9
5 1	12 0.02	+ 7 10.9	2.043	2.854	14.2	22.0

248868 2006 UA_{58} 3 27.3 319°.03 4°.0/22.8 17

2 21	12 47.39	+ 8 36.0	2.295	3.136	11.1	20.4
3 2	12 42.81	+ 9 20.7	2.221	3.134	8.4	20.2
3 12	12 36.52	+10 6.7	2.173	3.133	5.6	20.0
3 22	12 29.09	+10 48.6	2.153	3.132	4.0	19.9
4 1	12 21.26	+11 20.9	2.160	3.131	5.3	20.0
4 11	12 13.85	+11 39.7	2.196	3.130	8.0	20.1
4 21	12 7.55	+11 42.6	2.257	3.129	10.8	20.3
5 1	12 2.91	+11 29.3	2.341	3.128	13.4	20.5

209566 2004 XC_{19} 3 27.3 137°.81 2°.3/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 51.07	−11 55.0	1.782	2.576	15.8	21.0
3 2	12 46.05	−11 35.6	1.705	2.587	12.4	20.8
3 12	12 38.76	−10 56.6	1.650	2.597	8.4	20.5
3 22	12 29.92	−10 0.5	1.621	2.606	4.2	20.3
4 1	12 20.53	− 8 52.7	1.620	2.615	2.6	20.2
4 11	12 11.74	− 7 40.8	1.647	2.623	6.3	20.5
4 21	12 4.47	− 6 32.7	1.701	2.631	10.3	20.7
5 1	11 59.39	− 5 34.9	1.778	2.638	13.9	21.0

123718 2000 YS_{128} 3 27.3 71°.01 1°.8/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.88	+ 0 7.2	1.841	2.676	13.7	20.2
3 2	12 44.22	+ 0 42.2	1.775	2.686	10.2	19.9
3 12	12 37.52	+ 1 25.8	1.732	2.697	6.2	19.7
3 22	12 29.46	+ 2 12.8	1.716	2.708	2.4	19.5
4 1	12 20.98	+ 2 56.9	1.728	2.719	3.4	19.6
4 11	12 13.09	+ 3 32.4	1.768	2.730	7.3	19.8
4 21	12 6.60	+ 3 55.1	1.833	2.742	11.0	20.1
5 1	12 2.13	+ 4 2.7	1.921	2.753	14.2	20.3

225867 2001 XM_{226} 3 27.3 146°.22 0°.4/26.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.35	− 3 39.2	2.303	3.113	12.1	21.6
3 2	12 44.96	− 3 9.6	2.226	3.124	9.1	21.4
3 12	12 37.83	− 2 30.1	2.175	3.135	5.7	21.2
3 22	12 29.55	− 1 44.5	2.152	3.144	1.9	21.0
4 1	12 20.89	− 0 57.5	2.158	3.153	2.0	21.0
4 11	12 12.69	− 0 14.1	2.195	3.162	5.7	21.3
4 21	12 5.66	+ 0 21.2	2.259	3.170	9.1	21.5
5 1	12 0.33	+ 0 45.6	2.347	3.177	12.0	21.7

383287 2006 DB_{199} 3 27.3 306°.48 8°.4/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.52	+17 2.4	1.765	2.619	13.3	20.1
3 2	12 43.58	+18 32.3	1.693	2.602	10.8	19.9
3 12	12 37.35	+19 58.8	1.645	2.586	8.8	19.7
3 22	12 29.47	+21 11.8	1.622	2.570	8.6	19.7
4 1	12 20.93	+22 2.3	1.624	2.555	10.3	19.7
4 11	12 12.86	+22 24.5	1.650	2.539	13.0	19.9
4 21	12 6.25	+22 17.0	1.698	2.524	15.9	20.0
5 1	12 1.82	+21 41.5	1.763	2.509	18.5	20.2

40857 1999 TP_{110} 3 27.3 52°.91 2°.5/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.86	−10 51.1	1.835	2.636	15.2	19.0
3 2	12 44.38	−10 54.7	1.757	2.642	11.9	18.8
3 12	12 37.72	−10 41.6	1.700	2.647	8.1	18.5
3 22	12 29.57	−10 13.5	1.669	2.653	4.2	18.3
4 1	12 20.86	− 9 34.2	1.665	2.659	2.7	18.2
4 11	12 12.65	− 8 49.7	1.689	2.665	6.1	18.4
4 21	12 5.85	− 8 6.4	1.739	2.672	9.9	18.7
5 1	12 1.14	− 7 29.9	1.812	2.678	13.4	18.9

217044 2001 QA_{136} 3 27.3 139°.94 1°.3/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.30	− 9 41.7	2.460	3.245	12.2	21.4
3 2	12 44.83	− 9 19.9	2.382	3.261	9.4	21.3
3 12	12 37.71	− 8 45.0	2.328	3.275	6.2	21.1
3 22	12 29.50	− 7 59.5	2.302	3.289	2.9	20.9
4 1	12 20.95	− 7 7.4	2.307	3.302	1.8	20.8
4 11	12 12.84	− 6 13.7	2.341	3.315	4.9	21.1
4 21	12 5.84	− 5 23.5	2.404	3.326	8.1	21.3
5 1	12 0.47	− 4 40.9	2.493	3.337	11.0	21.5

155439 1998 DF_{24} 3 27.3 349°.94 0°.9/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.95	− 1 54.8	1.486	2.330	15.9	19.2
3 2	12 44.15	− 1 42.2	1.409	2.324	12.1	18.9
3 12	12 37.82	− 1 17.7	1.354	2.320	7.5	18.6
3 22	12 29.66	− 0 45.8	1.323	2.316	2.6	18.3
4 1	12 20.77	− 0 12.7	1.318	2.313	3.0	18.3
4 11	12 12.43	+ 0 14.7	1.339	2.311	7.9	18.6
4 21	12 5.74	+ 0 30.9	1.383	2.309	12.6	18.9
5 1	12 1.48	+ 0 32.2	1.449	2.308	16.5	19.1

332549 2008 QH_{32} 3 27.3 272°.45 3°.2/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.04	−14 2.6	2.175	2.951	13.9	21.5
3 2	12 44.55	−13 58.9	2.055	2.922	11.2	21.3
3 12	12 37.95	−13 37.4	1.957	2.893	8.0	21.0
3 22	12 29.72	−12 58.5	1.886	2.864	4.7	20.8
4 1	12 20.65	−12 4.6	1.842	2.833	3.2	20.6
4 11	12 11.70	−11 1.1	1.828	2.802	5.9	20.7
4 21	12 3.82	− 9 54.5	1.841	2.771	9.7	20.9
5 1	11 57.77	− 8 51.9	1.878	2.739	13.3	21.0

174542 2003 FE 3 27.3 320°.30 9°.5/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 43.44	+22 20.7	2.042	2.891	12.0	18.5
3 2	12 40.29	+24 39.2	1.985	2.879	10.3	18.3
3 12	12 35.18	+26 50.6	1.954	2.867	9.5	18.3
3 22	12 28.68	+28 44.3	1.949	2.856	10.0	18.3
4 1	12 21.64	+30 11.7	1.969	2.845	11.6	18.4
4 11	12 15.00	+31 7.5	2.012	2.835	13.8	18.5
4 21	12 9.59	+31 30.8	2.074	2.824	15.9	18.6
5 1	12 6.04	+31 23.8	2.153	2.815	17.8	18.7

216116 2006 SE_{28} 3 27.3 353°.87 4°.6/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 44.89	−12 56.7	1.159	1.990	20.3	19.5
3 2	12 42.57	−13 23.3	1.084	1.983	16.4	19.2
3 12	12 37.20	−13 24.5	1.028	1.978	11.7	19.0
3 22	12 29.53	−13 0.0	0.992	1.974	6.9	18.7
4 1	12 20.86	−12 13.8	0.979	1.972	4.7	18.5
4 11	12 12.80	−11 14.7	0.989	1.971	8.3	18.7
4 21	12 6.74	−10 13.7	1.021	1.971	13.3	19.0
5 1	12 3.64	− 9 20.9	1.073	1.973	17.9	19.3

465682 2009 SC_{208} 3 27.3 102°.65 1°.5/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.03	−11 4.4	1.844	2.649	14.9	21.2
3 2	12 42.23	−10 21.2	1.764	2.653	11.6	21.0
3 12	12 36.37	− 9 18.0	1.705	2.657	7.7	20.7
3 22	12 29.09	− 7 58.7	1.673	2.661	3.5	20.5
4 1	12 21.31	− 6 29.6	1.669	2.665	2.1	20.4
4 11	12 14.02	− 4 59.3	1.693	2.669	6.1	20.7
4 21	12 8.06	− 3 35.9	1.743	2.673	10.1	20.9
5 1	12 4.09	− 2 26.0	1.817	2.677	13.7	21.1

87156 2000 NM_{21} 3 27.3 260°.85 0°.2/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.59	− 5 42.4	1.998	2.813	13.6	20.1
3 2	12 44.19	− 5 13.7	1.896	2.795	10.4	19.9
3 12	12 37.68	− 4 31.0	1.817	2.776	6.6	19.6
3 22	12 29.60	− 3 37.5	1.765	2.758	2.4	19.3
4 1	12 20.80	− 2 38.3	1.742	2.738	2.1	19.2
4 11	12 12.27	− 1 40.2	1.747	2.719	6.5	19.5
4 21	12 4.94	− 0 49.4	1.779	2.699	10.6	19.7
5 1	11 59.53	− 0 11.0	1.834	2.678	14.2	19.9

51129 2000 HJ_{39} 3 27.3 198°.41 4°.0/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.70	+ 8 56.2	2.462	3.300	10.6	19.0
3 2	12 42.96	+ 9 49.0	2.387	3.298	8.0	18.8
3 12	12 36.59	+10 43.2	2.337	3.295	5.4	18.7
3 22	12 29.14	+11 33.2	2.315	3.293	4.0	18.6
4 1	12 21.30	+12 13.8	2.323	3.290	5.3	18.6
4 11	12 13.84	+12 40.9	2.359	3.287	7.8	18.8
4 21	12 7.42	+12 52.0	2.420	3.283	10.5	19.0
5 1	12 2.56	+12 46.7	2.504	3.279	12.9	19.1

354778 2005 UA_{155} 3 27.3 103°.86 0°.7/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.03	− 7 23.4	1.465	2.287	17.3	22.0
3 2	12 47.10	− 6 55.7	1.400	2.301	13.2	21.8
3 12	12 39.55	− 6 9.5	1.356	2.315	8.4	21.6
3 22	12 30.23	− 5 9.3	1.337	2.328	3.3	21.3
4 1	12 20.36	− 4 2.4	1.344	2.341	2.3	21.3
4 11	12 11.26	− 2 57.9	1.379	2.354	7.4	21.6
4 21	12 3.99	− 2 3.5	1.438	2.366	12.0	21.9
5 1	11 59.28	− 1 24.6	1.519	2.378	16.0	22.2

519958 2013 SY_{101} 3 27.3 177°.77 2°.5/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.99	+ 2 51.6	2.223	3.054	11.8	22.2
3 2	12 44.07	+ 3 37.1	2.145	3.055	8.8	22.0
3 12	12 37.35	+ 4 28.6	2.092	3.056	5.5	21.8
3 22	12 29.42	+ 5 21.0	2.068	3.057	2.7	21.6
4 1	12 21.06	+ 6 8.6	2.072	3.057	3.9	21.7
4 11	12 13.12	+ 6 46.2	2.106	3.057	7.1	21.9
4 21	12 6.34	+ 7 10.3	2.165	3.056	10.4	22.1
5 1	12 1.29	+ 7 19.2	2.248	3.055	13.2	22.3

370712 2004 QK_{5} 3 27.3 192°.53 0°.6/27.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.91	− 5 44.1	2.570	3.365	11.5	21.7
3 2	12 46.09	− 5 38.3	2.476	3.363	8.8	21.5
3 12	12 38.57	− 5 23.1	2.407	3.360	5.6	21.3
3 22	12 29.86	− 5 0.5	2.366	3.357	2.2	21.1
4 1	12 20.67	− 4 33.8	2.357	3.353	1.6	21.0
4 11	12 11.80	− 4 6.7	2.377	3.348	5.1	21.2
4 21	12 3.96	− 3 43.2	2.427	3.342	8.3	21.4
5 1	11 57.71	− 3 26.4	2.502	3.336	11.2	21.6

286402 2001 YW_{71} 3 27.3 90°.10 4°.2/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.95	−13 45.6	1.491	2.289	18.2	20.4
3 2	12 47.23	−14 3.4	1.416	2.296	14.6	20.2
3 12	12 39.77	−13 59.1	1.362	2.303	10.4	19.9
3 22	12 30.37	−13 33.1	1.331	2.309	6.1	19.7
4 1	12 20.23	−12 49.0	1.325	2.316	4.3	19.6
4 11	12 10.73	−11 54.3	1.346	2.323	7.3	19.8
4 21	12 3.05	−10 57.5	1.392	2.329	11.5	20.1
5 1	11 57.99	−10 7.0	1.460	2.336	15.5	20.3

318162 2004 QU_{4} 3 27.3 213°.89 2°.5/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.69	−12 47.1	2.077	2.864	14.1	20.8
3 2	12 43.37	−12 31.8	1.984	2.860	11.2	20.6
3 12	12 37.08	−11 58.5	1.914	2.856	7.7	20.3
3 22	12 29.38	−11 9.1	1.870	2.852	4.2	20.1
4 1	12 21.11	−10 7.7	1.854	2.847	2.7	20.0
4 11	12 13.21	− 9 0.4	1.866	2.842	5.6	20.2
4 21	12 6.52	− 7 54.1	1.906	2.837	9.3	20.4
5 1	12 1.68	− 6 55.0	1.970	2.832	12.7	20.6

453810 2011 SD_{78} 3 27.3 47°.94 1°.2/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 50.49	− 7 28.6	1.200	2.038	19.3	21.1
3 2	12 46.33	− 7 17.4	1.145	2.054	14.8	20.9
3 12	12 39.23	− 6 45.8	1.110	2.072	9.5	20.6
3 22	12 30.16	− 5 58.1	1.098	2.089	3.9	20.4
4 1	12 20.52	− 5 2.2	1.111	2.108	2.6	20.3
4 11	12 11.84	− 4 7.7	1.148	2.126	8.0	20.7
4 21	12 5.28	− 3 22.9	1.209	2.145	13.0	21.0
5 1	12 1.58	− 2 53.6	1.289	2.165	17.2	21.3

353440 2011 QS_{70} 3 27.3 284°.62 3°.4/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.99	−10 38.6	1.369	2.185	18.6	20.6
3 2	12 47.79	−11 1.4	1.277	2.170	14.8	20.3
3 12	12 40.50	−11 4.4	1.204	2.155	10.3	20.0
3 22	12 30.77	−10 47.7	1.155	2.139	5.5	19.7
4 1	12 19.82	−10 14.1	1.130	2.124	3.7	19.6
4 11	12 9.23	− 9 30.7	1.131	2.109	8.1	19.8
4 21	12 0.45	− 8 46.1	1.156	2.094	13.2	20.0
5 1	11 54.59	− 8 8.8	1.201	2.079	17.9	20.2

497804 2006 TP_{26} 3 27.3 73°.72 4°.7/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.61	+11 47.6	2.290	3.124	11.4	20.9
3 2	12 45.91	+12 15.6	2.223	3.130	8.7	20.7
3 12	12 38.43	+12 41.4	2.181	3.135	6.1	20.5
3 22	12 29.80	+13 0.1	2.167	3.140	4.7	20.5
4 1	12 20.82	+13 7.0	2.182	3.146	5.8	20.5
4 11	12 12.37	+12 59.2	2.225	3.151	8.3	20.7
4 21	12 5.17	+12 35.9	2.294	3.157	11.0	20.9
5 1	11 59.73	+11 57.8	2.385	3.163	13.4	21.1

271830 2004 TO_{169} 3 27.3 191°.51 3°.3/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.20	+ 5 58.6	2.196	3.028	11.9	20.6
3 2	12 45.76	+ 6 34.5	2.117	3.027	8.9	20.4
3 12	12 38.44	+ 7 13.4	2.064	3.026	5.7	20.2
3 22	12 29.84	+ 7 50.4	2.038	3.024	3.4	20.1
4 1	12 20.77	+ 8 20.0	2.042	3.022	4.6	20.1
4 11	12 12.15	+ 8 37.8	2.075	3.019	7.7	20.3
4 21	12 4.75	+ 8 41.3	2.133	3.016	10.8	20.5
5 1	11 59.16	+ 8 29.6	2.214	3.013	13.7	20.7

430024 2013 RR_{33} 3 27.3 137°.64 4°.3/31.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.59	−17 22.8	2.310	3.060	13.9	22.0
3 2	12 46.07	−17 41.4	2.226	3.071	11.3	21.9
3 12	12 38.64	−17 42.7	2.164	3.082	8.5	21.7
3 22	12 29.91	−17 26.7	2.128	3.092	5.7	21.5
4 1	12 20.70	−16 55.4	2.121	3.102	4.3	21.5
4 11	12 11.91	−16 13.1	2.143	3.111	5.7	21.6
4 21	12 4.33	−15 25.4	2.192	3.120	8.5	21.8
5 1	11 58.58	−14 38.1	2.267	3.128	11.3	22.0

415959 2001 XP_{110} 3 27.3 87°.39 3°.2/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.52	+ 3 18.9	1.817	2.656	13.7	21.2
3 2	12 45.36	+ 4 15.3	1.763	2.677	10.1	21.0
3 12	12 38.18	+ 5 17.5	1.734	2.699	6.3	20.8
3 22	12 29.72	+ 6 18.9	1.732	2.720	3.3	20.7
4 1	12 20.94	+ 7 12.3	1.758	2.741	4.7	20.8
4 11	12 12.86	+ 7 51.9	1.811	2.761	8.2	21.1
4 21	12 6.28	+ 8 14.4	1.890	2.782	11.6	21.3
5 1	12 1.75	+ 8 18.8	1.990	2.801	14.5	21.5

369368 2009 UU_{53} 3 27.3 166°.60 1°.2/28.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.83	− 9 38.0	2.473	3.261	12.1	23.5
3 2	12 43.82	− 9 8.7	2.386	3.267	9.3	23.3
3 12	12 37.15	− 8 25.8	2.323	3.272	6.1	23.1
3 22	12 29.38	− 7 32.0	2.289	3.276	2.8	22.9
4 1	12 21.19	− 6 31.4	2.284	3.280	1.7	22.8
4 11	12 13.39	− 5 29.6	2.310	3.283	5.0	23.0
4 21	12 6.63	− 4 31.6	2.364	3.285	8.2	23.2
5 1	12 1.46	− 3 42.0	2.443	3.287	11.2	23.4

437080 2012 UO_{69} 3 27.3 29°.95 2°.2/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 44.04	−12 28.9	1.984	2.782	14.3	20.8
3 2	12 40.61	−12 1.2	1.905	2.788	11.2	20.6
3 12	12 35.31	−11 15.0	1.849	2.795	7.6	20.4
3 22	12 28.75	−10 12.9	1.818	2.802	4.0	20.2
4 1	12 21.74	− 9 0.1	1.815	2.810	2.4	20.1
4 11	12 15.19	− 7 43.8	1.840	2.817	5.5	20.3
4 21	12 9.85	− 6 30.9	1.891	2.826	9.2	20.6
5 1	12 6.31	− 5 27.7	1.967	2.834	12.5	20.8

489354 2006 UO_{81} 3 27.3 124°.44 3°.1/31.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.54	−16 12.0	2.562	3.324	12.4	21.9
3 2	12 41.36	−15 59.9	2.475	3.331	10.0	21.7
3 12	12 35.62	−15 31.5	2.411	3.338	7.2	21.6
3 22	12 28.84	−14 48.1	2.373	3.344	4.5	21.4
4 1	12 21.67	−13 52.7	2.364	3.351	3.2	21.3
4 11	12 14.86	−12 50.1	2.384	3.357	4.8	21.4
4 21	12 9.04	−11 45.9	2.432	3.364	7.6	21.6
5 1	12 4.71	−10 45.3	2.506	3.370	10.2	21.8

404447 2013 GL_{103} 3 27.3 31°.47 0°.9/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 51.32	− 5 39.1	1.282	2.119	18.4	20.7
3 2	12 47.00	− 5 41.5	1.215	2.125	14.1	20.5
3 12	12 39.74	− 5 27.3	1.168	2.130	9.0	20.2
3 22	12 30.39	− 4 59.8	1.145	2.137	3.5	19.9
4 1	12 20.30	− 4 25.1	1.147	2.143	2.5	19.8
4 11	12 10.98	− 3 51.1	1.173	2.151	8.0	20.2
4 21	12 3.67	− 3 24.7	1.224	2.158	13.0	20.5
5 1	11 59.19	− 3 11.4	1.294	2.166	17.3	20.8

11358 1997 YY_{5} 3 27.3 230°.82 3°.7/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.01	−15 53.4	2.440	3.202	13.0	17.2
3 2	12 43.40	−16 5.5	2.342	3.196	10.5	17.0
3 12	12 37.01	−16 1.8	2.266	3.191	7.7	16.8
3 22	12 29.37	−15 42.8	2.216	3.185	5.0	16.7
4 1	12 21.18	−15 10.2	2.194	3.179	3.7	16.6
4 11	12 13.27	−14 28.3	2.201	3.173	5.4	16.7
4 21	12 6.39	−13 41.9	2.236	3.166	8.2	16.8
5 1	12 1.14	−12 56.6	2.296	3.160	11.1	17.0

212128 2005 EL_{218} 3 27.3 56°.97 0°.6/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.01	− 8 27.0	1.483	2.309	16.9	20.2
3 2	12 43.40	− 7 40.4	1.410	2.314	12.9	19.9
3 12	12 37.32	− 6 32.3	1.359	2.319	8.3	19.7
3 22	12 29.51	− 5 8.1	1.332	2.323	3.2	19.4
4 1	12 21.08	− 3 36.1	1.331	2.328	2.3	19.3
4 11	12 13.28	− 2 6.9	1.358	2.333	7.4	19.6
4 21	12 7.13	− 0 49.6	1.409	2.338	12.1	19.9
5 1	12 3.36	+ 0 9.3	1.481	2.344	16.1	20.2

415493 2014 OG_{299} 3 27.3 123°.33 0°.8/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.03	− 4 20.4	1.707	2.534	15.0	21.6
3 2	12 44.56	− 3 28.0	1.636	2.543	11.2	21.4
3 12	12 37.87	− 2 20.8	1.588	2.551	6.9	21.2
3 22	12 29.67	− 1 4.4	1.566	2.559	2.3	20.9
4 1	12 20.96	+ 0 13.4	1.572	2.567	2.8	20.9
4 11	12 12.85	+ 1 24.2	1.607	2.575	7.3	21.2
4 21	12 6.25	+ 2 21.4	1.666	2.582	11.5	21.5
5 1	12 1.80	+ 3 0.9	1.748	2.589	15.0	21.7

402185 2004 TC_{98} 3 27.3 187°.83 0°.4/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.13	− 7 33.2	1.866	2.676	14.6	22.0
3 2	12 45.35	− 6 47.8	1.781	2.676	11.2	21.8
3 12	12 38.38	− 5 45.2	1.718	2.675	7.1	21.5
3 22	12 29.87	− 4 29.7	1.682	2.674	2.7	21.2
4 1	12 20.76	− 3 7.9	1.675	2.671	2.1	21.2
4 11	12 12.12	− 1 48.0	1.696	2.668	6.6	21.5
4 21	12 4.86	− 0 37.3	1.745	2.665	10.8	21.7
5 1	11 59.67	+ 0 18.4	1.816	2.660	14.4	21.9

226045 2002 GA_{72} 3 27.3 21°.83 3°.7/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.18	+ 6 24.6	1.515	2.361	15.5	19.4
3 2	12 48.65	+ 6 29.4	1.450	2.367	11.7	19.2
3 12	12 40.51	+ 6 35.9	1.408	2.373	7.5	19.0
3 22	12 30.61	+ 6 38.5	1.391	2.380	4.0	18.8
4 1	12 20.16	+ 6 32.0	1.402	2.387	5.1	18.9
4 11	12 10.50	+ 6 12.3	1.438	2.396	9.2	19.1
4 21	12 2.68	+ 5 38.1	1.499	2.404	13.2	19.4
5 1	11 57.41	+ 4 49.7	1.581	2.414	16.7	19.6

451721 2013 CO_{186} 3 27.3 48°.42 3°.0/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.17	−12 33.8	1.273	2.094	19.5	21.4
3 2	12 44.64	−12 18.5	1.208	2.103	15.3	21.2
3 12	12 38.25	−11 36.8	1.161	2.112	10.5	20.9
3 22	12 29.87	−10 31.6	1.137	2.122	5.4	20.7
4 1	12 20.80	− 9 10.3	1.137	2.133	3.3	20.5
4 11	12 12.51	− 7 43.8	1.163	2.143	7.6	20.8
4 21	12 6.18	− 6 23.4	1.212	2.154	12.5	21.1
5 1	12 2.60	− 5 17.7	1.283	2.165	16.8	21.4

124876 2001 TK_{36} 3 27.3 126°.25 2°.6/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.33	−11 15.3	1.686	2.483	16.5	20.0
3 2	12 47.88	−11 11.6	1.613	2.496	12.9	19.8
3 12	12 39.99	−10 48.9	1.561	2.508	8.8	19.6
3 22	12 30.44	−10 9.3	1.535	2.520	4.5	19.3
4 1	12 20.32	− 9 17.7	1.537	2.531	2.8	19.2
4 11	12 10.85	− 8 21.1	1.566	2.542	6.5	19.5
4 21	12 3.04	− 7 27.1	1.622	2.552	10.7	19.8
5 1	11 57.60	− 6 42.1	1.700	2.562	14.4	20.0

403924 2012 AG_{13} 3 27.3 132°.58 7°.3/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.27	+15 12.9	1.924	2.766	12.9	21.3
3 2	12 46.69	+16 46.9	1.875	2.781	10.1	21.1
3 12	12 39.03	+18 16.7	1.852	2.795	7.9	21.0
3 22	12 30.04	+19 33.3	1.856	2.809	7.3	21.0
4 1	12 20.70	+20 28.9	1.887	2.821	8.8	21.1
4 11	12 12.04	+20 59.3	1.944	2.834	11.3	21.3
4 21	12 4.89	+21 3.7	2.024	2.845	13.9	21.5
5 1	11 59.83	+20 44.1	2.123	2.856	16.1	21.7

271177 2003 SJ_{275} 3 27.3 231°.39 1°.3/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 48.70	− 0 51.3	2.166	2.991	12.3	20.7
3 2	12 43.99	− 0 22.6	2.079	2.985	9.2	20.5
3 12	12 37.41	+ 0 14.6	2.015	2.979	5.7	20.2
3 22	12 29.52	+ 0 56.4	1.980	2.972	2.1	20.0
4 1	12 21.11	+ 1 37.7	1.973	2.966	2.7	20.0
4 11	12 13.06	+ 2 13.2	1.995	2.959	6.5	20.2
4 21	12 6.16	+ 2 38.9	2.044	2.952	10.1	20.5
5 1	12 1.03	+ 2 51.7	2.116	2.944	13.2	20.6

271775 2004 TZ_{12} 3 27.3 194°.19 2°.8/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.55	+ 3 38.8	2.366	3.197	11.2	21.1
3 2	12 43.69	+ 4 31.5	2.285	3.194	8.3	20.9
3 12	12 37.12	+ 5 29.7	2.229	3.192	5.2	20.7
3 22	12 29.40	+ 6 28.4	2.201	3.189	2.9	20.5
4 1	12 21.24	+ 7 21.7	2.203	3.185	4.0	20.6
4 11	12 13.45	+ 8 4.7	2.235	3.181	7.1	20.8
4 21	12 6.73	+ 8 33.7	2.292	3.176	10.2	21.0
5 1	12 1.64	+ 8 47.1	2.373	3.171	12.9	21.1

176658 2002 OZ_{6} 3 27.3 130°.15 1°.5/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.17	−10 53.3	1.954	2.751	14.5	20.8
3 2	12 44.43	−10 14.6	1.879	2.763	11.3	20.6
3 12	12 37.69	− 9 17.7	1.826	2.776	7.5	20.4
3 22	12 29.61	− 8 6.2	1.800	2.788	3.4	20.1
4 1	12 21.09	− 6 46.0	1.803	2.799	2.0	20.1
4 11	12 13.11	− 5 24.9	1.834	2.809	5.8	20.3
4 21	12 6.49	− 4 10.0	1.893	2.820	9.7	20.6
5 1	12 1.81	− 3 7.3	1.976	2.829	13.0	20.8

196582 2003 QS_{46} 3 27.3 180°.51 3°.9/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.08	+ 8 39.6	2.636	3.469	10.1	21.3
3 2	12 43.15	+ 9 42.9	2.561	3.470	7.6	21.1
3 12	12 36.70	+10 47.9	2.514	3.471	5.2	20.9
3 22	12 29.24	+11 49.1	2.495	3.471	3.9	20.8
4 1	12 21.41	+12 41.3	2.507	3.471	5.1	20.9
4 11	12 13.95	+13 20.0	2.547	3.470	7.5	21.1
4 21	12 7.47	+13 43.0	2.613	3.468	10.1	21.2
5 1	12 2.46	+13 49.4	2.702	3.466	12.3	21.4

301130 2008 WJ_{110} 3 27.3 213°.28 3°.1/24.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.38	+ 2 48.1	1.859	2.690	13.7	22.5
3 2	12 47.86	+ 3 38.7	1.772	2.682	10.3	22.2
3 12	12 40.01	+ 4 37.4	1.710	2.674	6.5	22.0
3 22	12 30.49	+ 5 38.1	1.675	2.664	3.3	21.8
4 1	12 20.28	+ 6 33.4	1.669	2.654	4.6	21.8
4 11	12 10.51	+ 7 16.5	1.691	2.642	8.5	22.0
4 21	12 2.16	+ 7 42.8	1.739	2.630	12.5	22.2
5 1	11 55.99	+ 7 50.2	1.808	2.617	15.9	22.4

160095 2000 QU_{101} 3 27.3 212°.82 2°.5/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.75	+ 0 47.3	1.922	2.753	13.4	20.7
3 2	12 45.80	+ 1 46.6	1.836	2.746	10.0	20.5
3 12	12 38.68	+ 2 56.1	1.773	2.738	6.2	20.2
3 22	12 30.01	+ 4 9.9	1.739	2.729	2.8	20.0
4 1	12 20.71	+ 5 20.5	1.733	2.720	4.1	20.0
4 11	12 11.82	+ 6 20.3	1.755	2.710	8.0	20.3
4 21	12 4.26	+ 7 4.2	1.804	2.699	11.9	20.5
5 1	11 58.73	+ 7 29.2	1.874	2.687	15.2	20.7

498350 2007 VZ_{303} 3 27.3 119°.83 4°.0/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.41	+ 8 41.9	2.612	3.449	10.1	22.1
3 2	12 41.84	+ 9 55.8	2.555	3.465	7.5	22.0
3 12	12 35.83	+11 10.9	2.524	3.481	5.1	21.8
3 22	12 28.91	+12 21.3	2.522	3.496	4.0	21.8
4 1	12 21.73	+13 21.6	2.550	3.511	5.2	21.9
4 11	12 14.97	+14 7.6	2.606	3.526	7.5	22.1
4 21	12 9.21	+14 37.0	2.688	3.540	9.9	22.2
5 1	12 4.88	+14 49.2	2.793	3.553	12.0	22.4

118450 1999 VV_{116} 3 27.3 239°.05 1°.0/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.85	− 0 39.7	2.765	3.582	10.1	20.9
3 2	12 42.26	− 0 14.5	2.669	3.572	7.6	20.7
3 12	12 36.18	+ 0 17.4	2.598	3.560	4.7	20.5
3 22	12 29.08	+ 0 52.7	2.556	3.549	1.7	20.3
4 1	12 21.55	+ 1 27.8	2.545	3.537	2.2	20.3
4 11	12 14.28	+ 1 58.6	2.563	3.525	5.3	20.5
4 21	12 7.87	+ 2 21.8	2.609	3.513	8.3	20.7
5 1	12 2.82	+ 2 35.2	2.679	3.500	10.9	20.8

490307 2009 BH_{33} 3 27.3 124°.21 3°.2/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.62	−14 3.8	2.318	3.091	13.2	21.9
3 2	12 43.85	−14 12.7	2.232	3.096	10.6	21.8
3 12	12 37.28	−14 6.2	2.169	3.101	7.6	21.6
3 22	12 29.48	−13 45.1	2.132	3.107	4.6	21.4
4 1	12 21.21	−13 12.0	2.123	3.112	3.2	21.3
4 11	12 13.32	−12 31.4	2.143	3.117	5.3	21.5
4 21	12 6.55	−11 48.3	2.191	3.121	8.3	21.7
5 1	12 1.48	−11 8.0	2.264	3.126	11.2	21.8

308128 2004 XK_{133} 3 27.3 190°.41 2°.8/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 54.04	+ 3 21.4	2.092	2.917	12.7	21.3
3 2	12 48.04	+ 4 4.2	2.009	2.915	9.5	21.1
3 12	12 39.96	+ 4 53.1	1.951	2.913	6.0	20.8
3 22	12 30.44	+ 5 42.6	1.922	2.910	3.0	20.6
4 1	12 20.38	+ 6 26.7	1.922	2.906	4.2	20.7
4 11	12 10.77	+ 6 59.8	1.952	2.902	7.7	20.9
4 21	12 2.49	+ 7 18.5	2.008	2.896	11.2	21.1
5 1	11 56.18	+ 7 21.1	2.087	2.889	14.3	21.3

371687 2007 DF_{53} 3 27.3 92°.23 2°.8/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.96	−11 41.2	1.879	2.670	15.2	21.1
3 2	12 46.60	−11 50.1	1.808	2.686	12.0	21.0
3 12	12 39.08	−11 42.3	1.760	2.702	8.3	20.8
3 22	12 30.12	−11 19.2	1.737	2.718	4.5	20.6
4 1	12 20.68	−10 44.4	1.741	2.734	3.0	20.5
4 11	12 11.84	−10 3.6	1.775	2.750	6.0	20.7
4 21	12 4.48	− 9 22.9	1.834	2.765	9.6	21.0
5 1	11 59.23	− 8 47.8	1.918	2.780	13.0	21.2

435361 2007 VN_{250} 3 27.3 136°.82 0°.1/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.55	− 3 28.6	2.399	3.210	11.7	21.6
3 2	12 44.39	− 3 19.1	2.319	3.216	8.8	21.5
3 12	12 37.54	− 3 1.0	2.263	3.221	5.5	21.3
3 22	12 29.55	− 2 37.3	2.235	3.227	1.9	21.0
4 1	12 21.17	− 2 11.5	2.237	3.232	1.8	21.0
4 11	12 13.19	− 1 47.7	2.268	3.237	5.4	21.3
4 21	12 6.30	− 1 29.6	2.327	3.242	8.7	21.5
5 1	12 1.03	− 1 19.8	2.410	3.247	11.5	21.7

154297 2002 TW_{288} 3 27.3 170°.09 2°.5/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.90	−11 24.8	1.772	2.564	16.0	20.5
3 2	12 48.34	−11 18.1	1.689	2.569	12.6	20.2
3 12	12 40.34	−10 52.8	1.627	2.573	8.6	20.0
3 22	12 30.62	−10 10.6	1.591	2.576	4.4	19.8
4 1	12 20.22	− 9 15.9	1.584	2.578	2.8	19.6
4 11	12 10.36	− 8 15.7	1.604	2.579	6.5	19.9
4 21	12 2.07	− 7 17.7	1.651	2.580	10.7	20.1
5 1	11 56.09	− 6 28.3	1.722	2.580	14.4	20.4

84407 2002 TU_{181} 3 27.3 112°.33 0°.2/27.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.34	− 4 35.6	2.470	3.280	11.4	19.9
3 2	12 42.62	− 4 1.7	2.399	3.296	8.6	19.8
3 12	12 36.37	− 3 18.0	2.353	3.312	5.3	19.6
3 22	12 29.12	− 2 28.1	2.335	3.328	1.8	19.4
4 1	12 21.58	− 1 36.5	2.347	3.343	1.8	19.4
4 11	12 14.46	− 0 48.2	2.389	3.358	5.2	19.7
4 21	12 8.39	− 0 7.2	2.458	3.372	8.3	19.9
5 1	12 3.84	+ 0 23.4	2.552	3.386	11.0	20.1

505836 2015 CO_{5} 3 27.3 184°.93 5°.7/ 2.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.86	−20 51.8	2.238	2.971	14.8	21.9
3 2	12 46.53	−21 21.2	2.143	2.971	12.4	21.8
3 12	12 39.11	−21 31.2	2.070	2.971	9.7	21.6
3 22	12 30.18	−21 20.6	2.021	2.970	7.1	21.4
4 1	12 20.60	−20 50.2	1.999	2.969	5.7	21.3
4 11	12 11.36	−20 4.2	2.006	2.967	6.7	21.4
4 21	12 3.36	−19 8.4	2.040	2.965	9.2	21.5
5 1	11 57.28	−18 10.0	2.098	2.962	12.0	21.7

32801 1990 RF_{5} 3 27.3 216°.11 1°.3/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.58	− 9 31.6	1.890	2.691	14.8	19.1
3 2	12 45.79	− 9 1.3	1.795	2.683	11.5	18.8
3 12	12 38.75	− 8 13.0	1.722	2.674	7.6	18.6
3 22	12 30.08	− 7 9.3	1.676	2.665	3.3	18.3
4 1	12 20.69	− 5 55.9	1.659	2.655	2.1	18.2
4 11	12 11.68	− 4 40.3	1.670	2.644	6.4	18.4
4 21	12 4.01	− 3 30.1	1.708	2.633	10.6	18.6
5 1	11 58.44	− 2 31.9	1.769	2.621	14.4	18.8

518722 2009 DH_{145} 3 27.3 48°.43 2°.9/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 44.25	+ 1 54.8	2.099	2.940	12.0	21.1
3 2	12 40.64	+ 3 10.9	2.027	2.943	8.9	20.9
3 12	12 35.29	+ 4 35.3	1.981	2.947	5.5	20.7
3 22	12 28.78	+ 6 1.4	1.962	2.951	3.0	20.5
4 1	12 21.87	+ 7 21.8	1.972	2.955	4.3	20.6
4 11	12 15.38	+ 8 29.9	2.010	2.959	7.6	20.8
4 21	12 10.02	+ 9 21.1	2.074	2.963	10.9	21.0
5 1	12 6.34	+ 9 53.1	2.160	2.967	13.7	21.2

142339 2002 RX_{201} 3 27.3 277°.96 4°.9/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.21	+ 6 41.6	1.622	2.472	14.5	19.9
3 2	12 45.80	+ 7 39.5	1.540	2.458	11.0	19.7
3 12	12 38.89	+ 8 43.0	1.481	2.445	7.3	19.4
3 22	12 30.15	+ 9 44.3	1.448	2.432	4.9	19.2
4 1	12 20.64	+10 34.5	1.442	2.418	6.5	19.3
4 11	12 11.60	+11 6.4	1.462	2.405	10.4	19.5
4 21	12 4.11	+11 16.0	1.505	2.391	14.3	19.7
5 1	11 58.97	+11 2.5	1.567	2.378	17.9	19.9

373595 2002 CL_{123} 3 27.3 156°.17 5°.7/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 52.61	−23 59.5	2.702	3.400	13.3	21.8
3 2	12 46.71	−24 26.1	2.610	3.410	11.3	21.6
3 12	12 39.03	−24 34.5	2.540	3.419	9.0	21.5
3 22	12 30.11	−24 23.5	2.495	3.427	6.9	21.4
4 1	12 20.71	−23 54.0	2.479	3.435	5.7	21.3
4 11	12 11.66	−23 9.2	2.492	3.442	6.2	21.3
4 21	12 3.70	−22 14.4	2.532	3.448	8.0	21.5
5 1	11 57.41	−21 15.5	2.599	3.453	10.2	21.6

366438 2001 XE_{14} 3 27.3 110°.20 5°.5/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.32	−21 29.9	2.221	2.950	15.0	21.2
3 2	12 46.67	−21 49.3	2.146	2.971	12.5	21.1
3 12	12 39.05	−21 47.9	2.093	2.993	9.7	20.9
3 22	12 30.11	−21 25.3	2.065	3.013	7.0	20.8
4 1	12 20.75	−20 43.6	2.064	3.033	5.5	20.7
4 11	12 11.91	−19 47.8	2.091	3.053	6.4	20.8
4 21	12 4.42	−18 44.3	2.146	3.071	8.7	21.0
5 1	11 58.87	−17 40.0	2.226	3.090	11.4	21.2

268992 2007 EZ_{98} 3 27.3 291°.00 2°.3/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.62	− 0 56.0	1.780	2.620	13.9	20.8
3 2	12 42.20	+ 0 10.2	1.685	2.600	10.4	20.6
3 12	12 36.58	+ 1 30.6	1.613	2.580	6.4	20.3
3 22	12 29.34	+ 2 59.0	1.567	2.559	2.7	20.0
4 1	12 21.35	+ 4 27.0	1.550	2.539	4.1	20.0
4 11	12 13.67	+ 5 45.5	1.559	2.519	8.4	20.2
4 21	12 7.26	+ 6 47.4	1.594	2.499	12.6	20.4
5 1	12 2.89	+ 7 28.2	1.650	2.479	16.3	20.6

99618 2002 GO_{82} 3 27.3 172°.01 2°.9/24.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.65	+ 3 16.6	2.190	3.025	11.8	20.1
3 2	12 43.13	+ 4 15.6	2.115	3.027	8.8	19.9
3 12	12 36.83	+ 5 20.9	2.064	3.029	5.5	19.7
3 22	12 29.34	+ 6 26.8	2.042	3.030	3.0	19.6
4 1	12 21.41	+ 7 26.8	2.049	3.031	4.3	19.6
4 11	12 13.91	+ 8 15.3	2.085	3.032	7.5	19.8
4 21	12 7.57	+ 8 48.6	2.146	3.032	10.7	20.0
5 1	12 2.92	+ 9 4.8	2.230	3.032	13.5	20.2

94648 2001 WA_{47} 3 27.3 250°.99 0°.3/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.04	− 6 32.0	1.722	2.539	15.3	20.8
3 2	12 46.45	− 6 1.6	1.622	2.521	11.8	20.6
3 12	12 39.36	− 5 13.9	1.544	2.502	7.6	20.3
3 22	12 30.36	− 4 12.3	1.491	2.483	2.9	19.9
4 1	12 20.44	− 3 2.9	1.467	2.463	2.3	19.8
4 11	12 10.81	− 1 53.9	1.470	2.443	7.3	20.1
4 21	12 2.60	− 0 53.3	1.499	2.421	12.0	20.3
5 1	11 56.68	− 0 7.3	1.550	2.399	16.2	20.5

32587 2001 QO_{117} 3 27.3 247°.94 3°.1/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.31	−13 18.8	2.074	2.854	14.4	19.7
3 2	12 45.54	−13 21.6	1.968	2.838	11.5	19.4
3 12	12 38.60	−13 7.2	1.884	2.822	8.2	19.2
3 22	12 30.05	−12 36.2	1.826	2.805	4.7	19.0
4 1	12 20.72	−11 51.1	1.797	2.788	3.2	18.8
4 11	12 11.65	−10 57.4	1.795	2.770	6.0	19.0
4 21	12 3.76	−10 1.5	1.821	2.752	9.7	19.1
5 1	11 57.82	− 9 10.0	1.871	2.733	13.3	19.3

300953 2008 CS_{203} 3 27.3 300°.12 0°.5/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 44.42	− 4 7.5	2.287	3.108	11.9	20.8
3 2	12 40.74	− 3 29.0	2.196	3.099	9.0	20.6
3 12	12 35.38	− 2 39.2	2.129	3.090	5.6	20.3
3 22	12 28.85	− 1 41.9	2.089	3.082	1.9	20.1
4 1	12 21.84	− 0 42.1	2.078	3.073	2.1	20.1
4 11	12 15.14	+ 0 14.3	2.096	3.065	5.8	20.3
4 21	12 9.45	+ 1 2.3	2.141	3.057	9.3	20.5
5 1	12 5.33	+ 1 38.1	2.209	3.048	12.3	20.7

283614 2002 CQ_{50} 3 27.3 112°.63 2°.1/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.10	− 0 0.1	1.967	2.799	13.1	21.2
3 2	12 43.58	+ 0 55.8	1.899	2.810	9.7	21.0
3 12	12 37.15	+ 2 1.0	1.855	2.820	5.9	20.8
3 22	12 29.45	+ 3 9.5	1.839	2.831	2.5	20.6
4 1	12 21.35	+ 4 14.4	1.852	2.841	3.6	20.6
4 11	12 13.78	+ 5 9.4	1.892	2.850	7.3	20.9
4 21	12 7.51	+ 5 49.9	1.959	2.860	10.8	21.1
5 1	12 3.11	+ 6 13.3	2.048	2.869	13.8	21.3

84431 2002 TD_{225} 3 27.3 128°.14 0°.7/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.00	− 7 18.9	2.359	3.162	12.1	20.7
3 2	12 42.52	− 6 52.9	2.279	3.170	9.2	20.5
3 12	12 36.40	− 6 14.8	2.223	3.178	5.9	20.3
3 22	12 29.18	− 5 27.5	2.195	3.186	2.4	20.1
4 1	12 21.58	− 4 35.5	2.196	3.193	1.6	20.0
4 11	12 14.38	− 3 44.0	2.227	3.200	5.1	20.3
4 21	12 8.24	− 2 57.7	2.285	3.207	8.5	20.5
5 1	12 3.69	− 2 20.7	2.367	3.213	11.4	20.7

399845 2005 UW_{100} 3 27.3 337°.94 8°.2/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 50.80	+11 24.4	1.131	2.003	17.9	20.4
3 2	12 47.07	+12 30.8	1.068	1.995	13.8	20.1
3 12	12 40.04	+13 37.7	1.025	1.987	10.0	19.9
3 22	12 30.63	+14 32.9	1.005	1.981	8.2	19.8
4 1	12 20.31	+15 4.4	1.007	1.975	10.1	19.8
4 11	12 10.82	+15 4.8	1.032	1.970	14.2	20.0
4 21	12 3.56	+14 32.8	1.076	1.966	18.5	20.3
5 1	11 59.43	+13 31.3	1.137	1.963	22.3	20.5

181119 2005 QO_{106} 3 27.3 162°.89 0°.2/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.61	− 4 25.8	2.879	3.680	10.2	20.7
3 2	12 43.44	− 4 18.5	2.793	3.684	7.7	20.5
3 12	12 36.86	− 4 3.5	2.732	3.688	4.9	20.3
3 22	12 29.33	− 3 43.2	2.700	3.691	1.8	20.1
4 1	12 21.46	− 3 20.3	2.698	3.694	1.4	20.1
4 11	12 13.89	− 2 58.2	2.727	3.697	4.5	20.3
4 21	12 7.21	− 2 40.0	2.785	3.700	7.4	20.5
5 1	12 1.89	− 2 28.1	2.868	3.702	10.0	20.7

284398 2006 TN_{111} 3 27.3 240°.50 2°.2/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 44.47	+ 0 52.6	2.440	3.271	10.9	21.2
3 2	12 40.65	+ 1 59.3	2.353	3.264	8.1	21.0
3 12	12 35.27	+ 3 14.4	2.291	3.256	5.0	20.8
3 22	12 28.81	+ 4 32.7	2.259	3.249	2.4	20.6
4 1	12 21.91	+ 5 48.1	2.256	3.241	3.5	20.7
4 11	12 15.32	+ 6 54.6	2.282	3.233	6.6	20.8
4 21	12 9.68	+ 7 47.9	2.334	3.225	9.7	21.0
5 1	12 5.52	+ 8 25.0	2.410	3.216	12.5	21.2

495366 2014 OF_{185} 3 27.3 199°.96 4°.9/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.59	+ 7 45.2	1.819	2.660	13.6	21.7
3 2	12 47.25	+ 8 49.5	1.744	2.657	10.3	21.5
3 12	12 39.61	+ 9 57.6	1.693	2.654	6.9	21.3
3 22	12 30.38	+11 1.6	1.670	2.650	4.9	21.1
4 1	12 20.55	+11 53.7	1.674	2.645	6.4	21.2
4 11	12 11.24	+12 27.6	1.705	2.639	9.8	21.4
4 21	12 3.42	+12 40.1	1.761	2.633	13.3	21.6
5 1	11 57.79	+12 31.0	1.837	2.626	16.4	21.8

61197 2000 OG_{3} 3 27.3 116°.49 5°.1/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.60	−22 30.5	2.807	3.518	12.6	18.5
3 2	12 44.33	−22 55.4	2.724	3.534	10.6	18.4
3 12	12 37.49	−23 3.3	2.662	3.550	8.3	18.3
3 22	12 29.57	−22 54.0	2.626	3.565	6.3	18.1
4 1	12 21.26	−22 28.5	2.619	3.580	5.1	18.1
4 11	12 13.31	−21 50.1	2.639	3.594	5.7	18.1
4 21	12 6.37	−21 3.3	2.688	3.608	7.5	18.3
5 1	12 0.95	−20 13.5	2.763	3.622	9.6	18.4

146155 2000 SH_{151} 3 27.3 208°.79 1°.2/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 44.52	−11 4.0	3.028	3.808	10.3	21.2
3 2	12 40.42	−10 22.9	2.926	3.801	8.0	21.0
3 12	12 35.00	− 9 28.8	2.850	3.795	5.3	20.8
3 22	12 28.69	− 8 24.2	2.802	3.788	2.5	20.6
4 1	12 22.02	− 7 12.8	2.784	3.780	1.5	20.5
4 11	12 15.60	− 5 59.4	2.798	3.772	4.2	20.7
4 21	12 9.95	− 4 48.6	2.841	3.763	7.0	20.9
5 1	12 5.52	− 3 44.9	2.910	3.754	9.5	21.0

7358 Oze 3 27.3 206°.92 2°.0/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.49	−12 15.0	2.512	3.278	12.5	19.9
3 2	12 47.48	−11 52.7	2.404	3.270	9.9	19.7
3 12	12 39.60	−11 14.9	2.321	3.259	6.8	19.5
3 22	12 30.37	−10 23.1	2.265	3.248	3.5	19.3
4 1	12 20.54	− 9 21.0	2.241	3.235	2.2	19.2
4 11	12 10.99	− 8 13.7	2.248	3.221	5.1	19.3
4 21	12 2.49	− 7 7.3	2.285	3.205	8.6	19.5
5 1	11 55.68	− 6 7.2	2.347	3.188	11.7	19.7

5555 Wimberly 3 27.3 117°.08 0°.4/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.76	− 4 56.9	2.352	3.158	12.1	17.5
3 2	12 44.57	− 4 50.5	2.274	3.167	9.1	17.3
3 12	12 37.68	− 4 34.5	2.220	3.176	5.8	17.1
3 22	12 29.65	− 4 11.6	2.194	3.185	2.2	16.9
4 1	12 21.22	− 3 45.2	2.197	3.194	1.6	16.8
4 11	12 13.21	− 3 19.7	2.230	3.202	5.3	17.1
4 21	12 6.33	− 2 58.8	2.291	3.210	8.6	17.3
5 1	12 1.10	− 2 45.5	2.376	3.218	11.5	17.5

62160 2000 ST_{25} 3 27.3 234°.23 0°.6/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.55	− 8 55.8	2.139	2.943	13.2	20.0
3 2	12 42.51	− 8 0.6	2.040	2.932	10.2	19.7
3 12	12 36.59	− 6 47.9	1.966	2.921	6.6	19.5
3 22	12 29.32	− 5 21.4	1.918	2.909	2.6	19.2
4 1	12 21.47	− 3 47.2	1.900	2.897	1.8	19.1
4 11	12 13.95	− 2 13.3	1.912	2.884	5.9	19.4
4 21	12 7.53	− 0 46.9	1.951	2.871	9.8	19.6
5 1	12 2.87	+ 0 25.9	2.014	2.858	13.2	19.8

357130 2001 YL_{66} 3 27.3 85°.91 3°.2/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.38	+ 2 13.7	1.447	2.292	16.2	20.8
3 2	12 48.01	+ 3 5.8	1.395	2.312	12.1	20.6
3 12	12 40.08	+ 4 6.2	1.366	2.332	7.4	20.4
3 22	12 30.51	+ 5 7.0	1.362	2.352	3.6	20.2
4 1	12 20.54	+ 5 59.8	1.385	2.372	5.0	20.3
4 11	12 11.47	+ 6 37.3	1.434	2.391	9.2	20.6
4 21	12 4.31	+ 6 55.6	1.507	2.410	13.3	20.9
5 1	11 59.68	+ 6 53.8	1.601	2.428	16.8	21.1

65191 2002 CR_{257} 3 27.3 214°.28 0°.1/27.3 18 R

2 21	12 45.76	− 4 45.3	2.883	3.688	10.1	20.5
3 2	12 41.39	− 4 16.6	2.787	3.682	7.6	20.3
3 12	12 35.64	− 3 39.0	2.717	3.675	4.8	20.1
3 22	12 28.93	− 2 55.2	2.676	3.668	1.7	19.9
4 1	12 21.84	− 2 8.8	2.665	3.660	1.5	19.8
4 11	12 15.00	− 1 24.0	2.683	3.652	4.7	20.1
4 21	12 8.98	− 0 44.6	2.731	3.644	7.6	20.2
5 1	12 4.25	− 0 13.6	2.803	3.635	10.2	20.4

6164 Gerhardmüller 3 27.3 253°.61 0°.9/27.9 18

2 21	12 52.92	− 6 29.7	1.675	2.490	15.8	17.5
3 2	12 47.98	− 6 21.5	1.576	2.473	12.2	17.2
3 12	12 40.38	− 5 57.8	1.499	2.456	8.0	16.9
3 22	12 30.77	− 5 21.1	1.447	2.438	3.2	16.6
4 1	12 20.16	− 4 36.3	1.423	2.419	2.3	16.4
4 11	12 9.86	− 3 50.2	1.426	2.400	7.3	16.7
4 21	12 1.05	− 3 9.9	1.455	2.380	12.1	16.9
5 1	11 54.65	− 2 41.2	1.506	2.360	16.3	17.1

523787 2015 DV_{224} 3 27.3 13°.99 0°.4/31.8 18

2 21	12 28.65	−14 24.2	26.722	27.466	1.4	22.3
3 2	12 27.77	−14 18.8	26.637	27.482	1.1	22.3
3 12	12 26.79	−14 12.0	26.577	27.497	0.8	22.3
3 22	12 25.73	−14 4.0	26.546	27.512	0.5	22.2
4 1	12 24.66	−13 55.1	26.544	27.528	0.4	22.2
4 11	12 23.60	−13 45.5	26.572	27.543	0.5	22.2
4 21	12 22.61	−13 35.7	26.629	27.559	0.8	22.3
5 1	12 21.73	−13 25.8	26.714	27.574	1.1	22.3

322774 2001 FL_{191} 3 27.3 319°.41 1°.3/26.3 17

2 21	12 45.38	− 3 30.3	1.363	2.212	16.8	21.1
3 2	12 42.60	− 2 44.8	1.278	2.196	12.8	20.8
3 12	12 37.13	− 1 40.9	1.214	2.181	8.0	20.5
3 22	12 29.62	− 0 24.4	1.173	2.167	2.7	20.1
4 1	12 21.20	+ 0 55.7	1.158	2.153	3.5	20.1
4 11	12 13.23	+ 2 8.4	1.169	2.140	8.9	20.4
4 21	12 6.92	+ 3 4.9	1.202	2.127	14.0	20.6
5 1	12 3.17	+ 3 39.5	1.254	2.116	18.5	20.9

508712 2017 UP_{23} 3 27.3 233°.69 0°.9/26.5 17

2 21	12 49.63	− 2 9.6	2.226	3.044	12.3	22.6
3 2	12 44.74	− 1 41.6	2.130	3.032	9.3	22.4
3 12	12 37.95	− 1 3.9	2.059	3.021	5.8	22.1
3 22	12 29.80	− 0 20.4	2.016	3.008	2.0	21.9
4 1	12 21.08	+ 0 24.3	2.002	2.996	2.4	21.9
4 11	12 12.66	+ 1 4.7	2.017	2.983	6.3	22.1
4 21	12 5.35	+ 1 36.2	2.059	2.969	9.9	22.3
5 1	11 59.79	+ 1 55.7	2.125	2.955	13.1	22.5

430860 2005 NY_{44} 3 27.3 258°.05 6°.9/15.3 18

2 21	12 45.92	+19 1.1	2.746	3.582	9.7	20.9
3 2	12 41.77	+21 5.4	2.667	3.560	8.0	20.7
3 12	12 36.02	+23 7.5	2.616	3.538	7.0	20.6
3 22	12 29.12	+24 59.7	2.594	3.516	7.2	20.6
4 1	12 21.68	+26 34.6	2.602	3.493	8.6	20.7
4 11	12 14.44	+27 47.3	2.636	3.470	10.5	20.8
4 21	12 8.07	+28 35.4	2.692	3.446	12.5	20.9
5 1	12 3.13	+28 59.2	2.768	3.421	14.3	21.0

9100 Tomohisa 3 27.3 344°.55 7°.4/21.6 18

2 21	12 46.49	+ 9 41.3	1.196	2.070	16.9	16.5
3 2	12 43.64	+10 58.0	1.132	2.061	13.0	16.2
3 12	12 37.82	+12 18.2	1.089	2.053	9.2	16.0
3 22	12 29.86	+13 30.2	1.068	2.046	7.4	15.8
4 1	12 21.08	+14 21.9	1.071	2.040	9.5	15.9
4 11	12 13.01	+14 44.6	1.096	2.035	13.5	16.1
4 21	12 6.92	+14 35.6	1.141	2.031	17.6	16.3
5 1	12 3.64	+13 56.3	1.203	2.028	21.3	16.6

184115 2004 HJ_{49} 3 27.3 331°.15 6°.3/22.4 17

2 21	12 49.63	+10 0.2	1.443	2.302	15.4	19.5
3 2	12 45.59	+10 54.7	1.371	2.292	11.8	19.2
3 12	12 38.86	+11 50.7	1.321	2.283	8.2	19.0
3 22	12 30.20	+12 39.2	1.296	2.274	6.3	18.8
4 1	12 20.79	+13 11.0	1.296	2.266	8.0	18.9
4 11	12 11.99	+13 19.6	1.320	2.258	11.7	19.1
4 21	12 4.94	+13 2.7	1.366	2.251	15.6	19.3
5 1	12 0.45	+12 21.3	1.431	2.244	19.1	19.5

246409 2007 UN_{114} 3 27.3 266°.92 0°.5/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 47.50	− 6 6.2	2.250	3.059	12.4	21.0
3 2	12 43.17	− 5 48.3	2.150	3.045	9.5	20.8
3 12	12 36.99	− 5 18.4	2.074	3.031	6.1	20.6
3 22	12 29.49	− 4 39.3	2.026	3.017	2.4	20.3
4 1	12 21.40	− 3 55.1	2.006	3.002	1.7	20.2
4 11	12 13.58	− 3 10.9	2.015	2.988	5.6	20.5
4 21	12 6.81	− 2 31.7	2.051	2.973	9.3	20.6
5 1	12 1.73	− 2 1.9	2.111	2.958	12.6	20.8

144956 2005 EM_{47} 3 27.4 234°.98 1°.1/28.3 17

2 21	12 51.67	− 7 36.3	1.952	2.756	14.3	21.3
3 2	12 46.62	− 7 24.4	1.853	2.744	11.1	21.0
3 12	12 39.32	− 6 57.8	1.777	2.731	7.3	20.8
3 22	12 30.35	− 6 19.0	1.727	2.717	3.1	20.5
4 1	12 20.63	− 5 32.3	1.706	2.703	2.0	20.4
4 11	12 11.22	− 4 43.7	1.714	2.688	6.3	20.6
4 21	12 3.09	− 3 59.4	1.748	2.672	10.5	20.8
5 1	11 57.02	− 3 24.8	1.806	2.656	14.2	21.0

165149 2000 QC_{22} 3 27.4 81°.51 2°.1/28.9 18

2 21	12 54.50	− 9 17.1	1.481	2.292	17.7	19.5
3 2	12 48.92	− 9 19.5	1.421	2.314	13.7	19.3
3 12	12 40.72	− 9 3.5	1.383	2.335	9.1	19.1
3 22	12 30.79	− 8 31.6	1.369	2.356	4.2	18.8
4 1	12 20.36	− 7 49.2	1.381	2.377	2.7	18.8
4 11	12 10.79	− 7 3.9	1.421	2.398	7.0	19.1
4 21	12 3.13	− 6 22.9	1.486	2.418	11.4	19.4
5 1	11 58.06	− 5 51.9	1.573	2.438	15.2	19.7

228701 2002 QR_{57} 3 27.4 154°.77 1°.4/26.2 18

2 21	12 52.09	− 3 0.6	1.523	2.355	16.2	21.2
3 2	12 47.20	− 2 11.1	1.451	2.361	12.2	21.0
3 12	12 39.74	− 1 6.5	1.402	2.366	7.5	20.7
3 22	12 30.48	+ 0 7.0	1.378	2.371	2.6	20.5
4 1	12 20.59	+ 1 20.7	1.382	2.375	3.3	20.5
4 11	12 11.35	+ 2 25.6	1.412	2.379	8.3	20.8
4 21	12 3.85	+ 3 14.9	1.467	2.382	12.8	21.1
5 1	11 58.83	+ 3 44.6	1.544	2.385	16.6	21.3

189389 2008 GN_{109} 3 27.4 28°.34 3°.7/31.2 18

2 21	12 44.41	−16 57.9	1.554	2.347	17.8	19.6
3 2	12 41.47	−16 21.7	1.476	2.352	14.3	19.4
3 12	12 36.17	−15 16.9	1.419	2.357	10.2	19.2
3 22	12 29.23	−13 46.1	1.384	2.363	6.0	18.9
4 1	12 21.68	−11 56.0	1.376	2.369	3.8	18.8
4 11	12 14.72	− 9 57.5	1.395	2.375	6.6	19.0
4 21	12 9.31	− 8 2.4	1.440	2.382	10.8	19.3
5 1	12 6.17	− 6 20.5	1.507	2.389	14.8	19.5

242140 2003 AP_{66} 3 27.4 96°.20 5°.7/21.1 17

2 21	12 49.48	+14 6.6	2.258	3.098	11.3	20.0
3 2	12 44.41	+14 59.7	2.198	3.104	8.8	19.9
3 12	12 37.59	+15 49.6	2.163	3.111	6.6	19.7
3 22	12 29.64	+16 30.1	2.156	3.118	5.7	19.7
4 1	12 21.35	+16 55.9	2.176	3.125	6.9	19.8
4 11	12 13.59	+17 3.7	2.224	3.132	9.2	19.9
4 21	12 7.04	+16 52.4	2.296	3.138	11.7	20.1
5 1	12 2.23	+16 23.0	2.389	3.145	14.0	20.3

386576 2009 DJ_{142} 3 27.4 331°.11 1°.2/26.1 15

2 21	12 44.93	− 1 48.9	1.950	2.784	13.1	21.1
3 2	12 41.41	− 1 11.3	1.864	2.775	9.8	20.9
3 12	12 35.96	− 0 22.7	1.801	2.767	6.1	20.7
3 22	12 29.13	+ 0 32.2	1.765	2.758	2.2	20.4
4 1	12 21.75	+ 1 27.4	1.757	2.751	2.8	20.4
4 11	12 14.74	+ 2 16.4	1.777	2.743	6.9	20.7
4 21	12 8.92	+ 2 54.0	1.822	2.737	10.7	20.9
5 1	12 4.93	+ 3 16.7	1.889	2.730	14.0	21.1

126969 2002 FX_{20} 3 27.4 93°.91 8°.2/19.1 18

2 21	12 52.26	+19 7.1	1.899	2.740	13.1	19.7
3 2	12 46.73	+20 26.0	1.857	2.756	10.6	19.6
3 12	12 39.10	+21 36.5	1.839	2.772	8.7	19.5
3 22	12 30.16	+22 30.1	1.847	2.788	8.3	19.5
4 1	12 20.94	+23 0.3	1.882	2.803	9.6	19.6
4 11	12 12.46	+23 4.2	1.941	2.819	11.9	19.8
4 21	12 5.56	+22 42.5	2.022	2.834	14.2	20.0
5 1	12 0.77	+21 58.1	2.122	2.849	16.3	20.2

19128 1987 YR_1 3 27.4 56°.20 5°.2/ 2.0 18

2 21	12 46.30	−20 47.9	1.686	2.451	17.7	18.4
3 2	12 42.65	−20 27.6	1.618	2.470	14.6	18.2
3 12	12 36.76	−19 39.2	1.569	2.489	10.9	18.0
3 22	12 29.39	−18 24.2	1.544	2.508	7.3	17.9
4 1	12 21.57	−16 47.8	1.545	2.528	5.2	17.8
4 11	12 14.42	−14 59.5	1.573	2.548	6.6	17.9
4 21	12 8.83	−13 9.8	1.627	2.568	9.9	18.1
5 1	12 5.40	−11 28.3	1.705	2.588	13.3	18.4

65485 2003 CK_9 3 27.4 15°.83 2°.0/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 45.45	−10 15.0	1.399	2.225	17.7	19.8
3 2	12 42.43	− 9 57.4	1.328	2.229	13.8	19.5
3 12	12 36.86	− 9 17.7	1.277	2.233	9.2	19.3
3 22	12 29.49	− 8 19.2	1.250	2.239	4.3	19.0
4 1	12 21.46	− 7 8.7	1.248	2.245	2.6	18.9
4 11	12 14.07	− 5 55.7	1.272	2.251	7.1	19.2
4 21	12 8.37	− 4 49.5	1.319	2.259	11.8	19.5
5 1	12 5.12	− 3 57.4	1.388	2.267	15.9	19.8

459142 2012 CY_{26} 3 27.4 305°.86 1°.3/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.56	− 7 47.3	1.479	2.307	16.8	21.0
3 2	12 44.23	− 7 37.2	1.382	2.285	13.2	20.7
3 12	12 38.20	− 7 8.2	1.305	2.264	8.7	20.3
3 22	12 30.06	− 6 22.5	1.253	2.244	3.7	20.0
4 1	12 20.88	− 5 25.6	1.226	2.223	2.4	19.8
4 11	12 11.99	− 4 25.9	1.225	2.203	7.6	20.1
4 21	12 4.66	− 3 31.9	1.248	2.183	12.8	20.3
5 1	11 59.86	− 2 51.3	1.291	2.164	17.3	20.5

140047 2001 SR_{83} 3 27.4 96°.03 0°.8/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.90	− 7 19.0	1.868	2.677	14.6	20.6
3 2	12 45.76	− 6 55.8	1.803	2.697	11.1	20.4
3 12	12 38.55	− 6 18.1	1.761	2.716	7.1	20.2
3 22	12 30.00	− 5 29.6	1.745	2.735	2.8	20.0
4 1	12 21.07	− 4 35.8	1.757	2.754	1.9	20.0
4 11	12 12.76	− 3 43.3	1.798	2.772	6.1	20.3
4 21	12 5.90	− 2 57.8	1.866	2.790	9.9	20.5
5 1	12 1.09	− 2 23.6	1.957	2.808	13.2	20.8

351517 2005 ST_{74} 3 27.4 77°.06 0°.3/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.04	− 5 2.7	2.407	3.217	11.7	21.0
3 2	12 42.57	− 4 49.0	2.323	3.219	8.9	20.8
3 12	12 36.48	− 4 25.6	2.264	3.222	5.6	20.6
3 22	12 29.28	− 3 55.1	2.233	3.225	2.1	20.3
4 1	12 21.67	− 3 21.3	2.231	3.227	1.6	20.3
4 11	12 14.42	− 2 48.6	2.258	3.230	5.2	20.5
4 21	12 8.20	− 2 21.0	2.312	3.232	8.5	20.8
5 1	12 3.53	− 2 1.8	2.391	3.235	11.4	20.9

345718 2006 XB_6 3 27.4 178°.08 6°.5/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.92	+24 37.9	3.325	4.141	8.6	21.9
3 2	12 42.84	+25 50.1	3.271	4.143	7.3	21.8
3 12	12 36.46	+26 54.7	3.244	4.144	6.6	21.7
3 22	12 29.23	+27 46.7	3.245	4.145	6.7	21.7
4 1	12 21.73	+28 22.2	3.274	4.146	7.6	21.8
4 11	12 14.56	+28 39.0	3.328	4.145	9.0	21.9
4 21	12 8.26	+28 37.0	3.405	4.145	10.4	22.0
5 1	12 3.24	+28 17.2	3.502	4.143	11.7	22.1

519288 2011 BP_{167} 3 27.4 359°.70 0°.5/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.61	− 7 41.3	1.688	2.511	15.3	21.3
3 2	12 42.18	− 7 0.4	1.608	2.511	11.7	21.0
3 12	12 36.54	− 6 1.3	1.551	2.510	7.5	20.8
3 22	12 29.36	− 4 48.4	1.518	2.510	2.9	20.5
4 1	12 21.59	− 3 28.7	1.513	2.510	2.1	20.4
4 11	12 14.30	− 2 10.9	1.536	2.511	6.8	20.7
4 21	12 8.43	− 1 2.8	1.583	2.511	11.1	21.0
5 1	12 4.66	− 0 10.3	1.653	2.512	14.8	21.2

241501 2009 CL_{33} 3 27.4 202°.42 3°.5/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.01	+ 6 1.2	2.558	3.395	10.2	21.2
3 2	12 40.99	+ 7 17.6	2.480	3.393	7.6	21.0
3 12	12 35.46	+ 8 38.3	2.428	3.390	5.0	20.8
3 22	12 28.92	+ 9 57.7	2.405	3.386	3.5	20.7
4 1	12 21.99	+11 9.5	2.412	3.383	4.8	20.8
4 11	12 15.38	+12 8.5	2.448	3.379	7.4	20.9
4 21	12 9.71	+12 51.5	2.510	3.374	10.1	21.1
5 1	12 5.46	+13 16.7	2.594	3.370	12.5	21.3

58312 1994 PO_{23} 3 27.4 164°.25 0°.5/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.27	− 6 30.4	1.668	2.484	15.8	20.0
3 2	12 47.21	− 6 6.3	1.590	2.488	12.1	19.8
3 12	12 39.71	− 5 26.2	1.534	2.492	7.7	19.6
3 22	12 30.50	− 4 33.9	1.503	2.495	2.9	19.3
4 1	12 20.64	− 3 35.5	1.501	2.497	2.2	19.2
4 11	12 11.35	− 2 38.8	1.526	2.499	7.0	19.5
4 21	12 3.65	− 1 50.5	1.577	2.501	11.4	19.8
5 1	11 58.29	− 1 15.9	1.650	2.502	15.2	20.0

338914 2004 DU_{56} 3 27.4 120°.50 3°.1/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.69	−13 34.1	2.282	3.058	13.3	21.1
3 2	12 43.98	−13 43.3	2.196	3.062	10.6	20.9
3 12	12 37.44	−13 37.2	2.132	3.066	7.6	20.7
3 22	12 29.65	−13 16.8	2.094	3.070	4.5	20.5
4 1	12 21.36	−12 44.5	2.085	3.074	3.1	20.4
4 11	12 13.45	−12 4.9	2.104	3.078	5.3	20.6
4 21	12 6.67	−11 23.1	2.151	3.082	8.4	20.8
5 1	12 1.61	−10 44.4	2.222	3.085	11.4	21.0

459545 2013 GR_{25} 3 27.4 332°.16 2°.8/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 50.42	− 7 35.0	1.189	2.027	19.4	20.7
3 2	12 46.96	− 8 14.2	1.106	2.013	15.4	20.4
3 12	12 40.20	− 8 37.0	1.042	2.000	10.4	20.1
3 22	12 30.85	− 8 43.6	0.999	1.988	5.1	19.7
4 1	12 20.23	− 8 36.6	0.980	1.976	3.4	19.6
4 11	12 10.07	− 8 22.3	0.985	1.966	8.6	19.8
4 21	12 1.92	− 8 8.1	1.012	1.956	14.1	20.1
5 1	11 56.93	− 8 1.0	1.059	1.948	19.0	20.3

144778 2004 HA_{28} 3 27.4 264°.43 6°.4/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.66	+17 37.5	2.431	3.264	10.9	20.1
3 2	12 45.36	+18 28.3	2.353	3.250	8.7	19.9
3 12	12 38.26	+19 14.2	2.300	3.237	6.9	19.8
3 22	12 29.93	+19 49.2	2.275	3.224	6.4	19.7
4 1	12 21.13	+20 7.8	2.277	3.210	7.6	19.8
4 11	12 12.73	+20 6.9	2.307	3.196	9.8	19.9
4 21	12 5.46	+19 45.6	2.360	3.182	12.1	20.0
5 1	11 59.90	+19 5.1	2.435	3.168	14.3	20.1

411667 2011 WZ_{68} 3 27.4 192°.76 4°.6/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.36	+ 7 19.0	1.817	2.656	13.7	21.5
3 2	12 47.84	+ 8 15.0	1.742	2.655	10.3	21.3
3 12	12 40.01	+ 9 14.6	1.692	2.653	6.9	21.1
3 22	12 30.59	+10 10.6	1.669	2.650	4.6	20.9
4 1	12 20.58	+10 55.3	1.674	2.647	6.1	21.0
4 11	12 11.11	+11 22.9	1.706	2.644	9.5	21.2
4 21	12 3.16	+11 30.4	1.762	2.639	13.1	21.4
5 1	11 57.41	+11 17.5	1.840	2.634	16.2	21.6

245509 2005 RM_{32} 3 27.4 266°.20 9°.5/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.08	−38 5.5	2.708	3.305	15.1	20.4
3 2	12 43.83	−38 41.7	2.590	3.287	13.9	20.2
3 12	12 37.55	−38 53.9	2.489	3.267	12.4	20.1
3 22	12 29.76	−38 38.9	2.408	3.248	11.0	20.0
4 1	12 21.23	−37 54.7	2.349	3.228	9.9	19.8
4 11	12 12.92	−36 43.2	2.315	3.208	9.6	19.8
4 21	12 5.71	−35 9.2	2.306	3.188	10.2	19.8
5 1	12 0.33	−33 20.3	2.321	3.168	11.6	19.8

278752 2008 SU_{107} 3 27.4 199°.67 1°.8/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.15	−11 55.8	2.414	3.197	12.5	21.9
3 2	12 42.74	−11 27.3	2.319	3.194	9.8	21.7
3 12	12 36.65	−10 43.1	2.247	3.190	6.7	21.5
3 22	12 29.37	− 9 45.3	2.202	3.186	3.4	21.3
4 1	12 21.62	− 8 38.1	2.187	3.182	2.0	21.2
4 11	12 14.19	− 7 27.2	2.201	3.177	5.0	21.3
4 21	12 7.79	− 6 18.6	2.244	3.171	8.3	21.5
5 1	12 2.96	− 5 17.5	2.312	3.165	11.4	21.7

195573 2002 JW_{92} 3 27.4 236°.00 1°.8/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.54	−10 23.3	2.094	2.891	13.7	20.4
3 2	12 43.30	−10 7.9	2.002	2.887	10.7	20.2
3 12	12 37.12	− 9 36.7	1.933	2.882	7.2	20.0
3 22	12 29.57	− 8 51.8	1.891	2.877	3.5	19.7
4 1	12 21.45	− 7 57.5	1.876	2.872	2.1	19.6
4 11	12 13.69	− 6 59.5	1.890	2.867	5.6	19.8
4 21	12 7.10	− 6 4.2	1.932	2.861	9.3	20.0
5 1	12 2.32	− 5 17.0	1.997	2.856	12.7	20.2

381443 2008 QJ_{31} 3 27.4 185°.36 4°.5/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.23	−19 23.7	2.692	3.422	12.6	22.1
3 2	12 45.72	−19 43.8	2.593	3.422	10.5	21.9
3 12	12 38.49	−19 47.9	2.517	3.421	8.0	21.7
3 22	12 30.03	−19 35.5	2.466	3.420	5.7	21.6
4 1	12 21.05	−19 8.0	2.445	3.418	4.5	21.5
4 11	12 12.35	−18 28.6	2.453	3.416	5.5	21.6
4 21	12 4.65	−17 42.2	2.489	3.413	7.8	21.7
5 1	11 58.53	−16 54.0	2.552	3.409	10.3	21.9

338853 2003 YH_{21} 3 27.4 121°.24 1°.6/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.48	− 1 56.4	1.314	2.157	17.6	20.4
3 2	12 47.89	− 1 22.2	1.245	2.160	13.3	20.1
3 12	12 40.38	− 0 33.4	1.197	2.163	8.3	19.8
3 22	12 30.78	+ 0 23.9	1.173	2.166	2.9	19.5
4 1	12 20.43	+ 1 20.8	1.175	2.169	3.7	19.6
4 11	12 10.81	+ 2 8.4	1.202	2.172	9.0	19.9
4 21	12 3.18	+ 2 39.8	1.253	2.174	14.0	20.2
5 1	11 58.35	+ 2 51.5	1.324	2.177	18.2	20.4

127258 2002 JC_{45} 3 27.4 25°.34 0°.2/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.75	− 3 26.0	1.791	2.616	14.4	19.6
3 2	12 45.14	− 3 15.0	1.713	2.618	10.9	19.3
3 12	12 38.34	− 2 52.8	1.659	2.621	6.9	19.1
3 22	12 30.01	− 2 22.8	1.630	2.623	2.4	18.8
4 1	12 21.10	− 1 50.3	1.630	2.626	2.2	18.8
4 11	12 12.71	− 1 21.0	1.657	2.628	6.7	19.1
4 21	12 5.75	− 0 59.6	1.709	2.631	10.8	19.3
5 1	12 0.89	− 0 49.9	1.784	2.635	14.3	19.6

518784 2010 BK_5 3 27.4 128°.88 2°.3/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 48.24	+ 1 18.4	2.088	2.920	12.4	21.8
3 2	12 43.65	+ 2 8.4	2.017	2.928	9.2	21.6
3 12	12 37.22	+ 3 5.8	1.970	2.935	5.7	21.4
3 22	12 29.56	+ 4 5.4	1.951	2.942	2.6	21.2
4 1	12 21.50	+ 5 0.9	1.961	2.948	3.7	21.3
4 11	12 13.92	+ 5 46.6	1.999	2.955	7.1	21.5
4 21	12 7.56	+ 6 18.5	2.064	2.961	10.5	21.7
5 1	12 2.98	+ 6 34.5	2.151	2.967	13.4	21.9

505142 2012 LA_8 3 27.4 308°.96 10°.9/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.29	+23 20.7	1.646	2.490	14.6	20.3
3 2	12 46.67	+24 52.9	1.586	2.479	12.4	20.1
3 12	12 39.46	+26 14.0	1.548	2.468	11.1	20.0
3 22	12 30.43	+27 13.0	1.535	2.457	11.1	20.0
4 1	12 20.75	+27 41.2	1.545	2.447	12.7	20.0
4 11	12 11.74	+27 34.4	1.577	2.436	15.1	20.2
4 21	12 4.47	+26 53.6	1.629	2.427	17.7	20.3
5 1	11 59.68	+25 43.0	1.698	2.417	20.1	20.5

466740 2015 AN_{11} 3 27.4 148°.60 4°.3/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.65	+ 9 14.3	2.204	3.037	11.8	21.7
3 2	12 46.82	+ 9 59.7	2.137	3.045	8.9	21.6
3 12	12 39.13	+10 45.4	2.097	3.054	6.0	21.4
3 22	12 30.23	+11 25.8	2.084	3.061	4.4	21.3
4 1	12 20.95	+11 55.3	2.100	3.069	5.5	21.4
4 11	12 12.21	+12 10.0	2.145	3.075	8.3	21.6
4 21	12 4.77	+12 8.1	2.215	3.081	11.2	21.8
5 1	11 59.16	+11 49.6	2.308	3.087	13.8	22.0

177111 2003 GN_7 3 27.4 277°.56 0°.1/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 44.87	− 5 16.5	2.412	3.226	11.6	20.4
3 2	12 41.07	− 4 40.3	2.313	3.211	8.8	20.2
3 12	12 35.63	− 3 52.5	2.238	3.197	5.5	19.9
3 22	12 29.03	− 2 56.2	2.190	3.183	2.0	19.7
4 1	12 21.93	− 1 56.1	2.172	3.168	1.8	19.6
4 11	12 15.08	− 0 57.9	2.184	3.154	5.5	19.8
4 21	12 9.18	− 0 6.5	2.222	3.139	8.9	20.0
5 1	12 4.79	+ 0 33.9	2.285	3.125	11.9	20.2

27830 1994 CK_{14} 3 27.4 195°.27 1°.5/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.53	+ 0 55.0	2.487	3.308	11.0	19.0
3 2	12 44.39	+ 1 16.5	2.402	3.306	8.3	18.8
3 12	12 37.61	+ 1 43.7	2.342	3.304	5.1	18.6
3 22	12 29.70	+ 2 13.3	2.310	3.302	2.0	18.3
4 1	12 21.37	+ 2 41.0	2.308	3.299	2.7	18.4
4 11	12 13.39	+ 3 2.8	2.336	3.296	5.9	18.6
4 21	12 6.44	+ 3 15.7	2.391	3.293	9.1	18.8
5 1	12 1.05	+ 3 17.8	2.471	3.290	11.8	19.0

341146 2007 PV_{16} 3 27.4 242°.14 0°.4/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.50	− 4 17.1	2.462	3.262	11.8	21.0
3 2	12 46.79	− 4 20.3	2.357	3.248	9.0	20.8
3 12	12 39.23	− 4 15.1	2.278	3.233	5.8	20.6
3 22	12 30.32	− 4 3.5	2.227	3.218	2.2	20.3
4 1	12 20.80	− 3 48.4	2.206	3.202	1.7	20.3
4 11	12 11.53	− 3 33.5	2.216	3.186	5.4	20.5
4 21	12 3.27	− 3 22.2	2.254	3.170	8.9	20.7
5 1	11 56.67	− 3 17.7	2.317	3.153	11.9	20.8

379898 2012 JG_4 3 27.4 229°.83 0°.9/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.61	− 3 32.2	2.199	3.017	12.4	22.2
3 2	12 43.26	− 2 39.8	2.104	3.007	9.3	22.0
3 12	12 37.06	− 1 34.9	2.034	2.996	5.8	21.8
3 22	12 29.55	− 0 22.1	1.991	2.984	2.0	21.5
4 1	12 21.48	+ 0 52.7	1.978	2.972	2.5	21.5
4 11	12 13.73	+ 2 2.6	1.994	2.959	6.4	21.7
4 21	12 7.06	+ 3 1.9	2.038	2.946	10.1	21.9
5 1	12 2.10	+ 3 46.4	2.105	2.932	13.3	22.1

39943 1998 FO_{109} 3 27.4 154°.68 3°.0/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.30	−12 53.9	1.881	2.665	15.5	19.0
3 2	12 47.04	−12 54.6	1.798	2.672	12.3	18.8
3 12	12 39.54	−12 36.9	1.738	2.678	8.6	18.6
3 22	12 30.45	−12 2.1	1.703	2.683	4.8	18.4
4 1	12 20.76	−11 14.0	1.696	2.688	3.2	18.3
4 11	12 11.58	−10 18.7	1.717	2.693	6.1	18.5
4 21	12 3.84	− 9 23.2	1.765	2.696	9.9	18.7
5 1	11 58.25	− 8 34.0	1.837	2.700	13.4	19.0

232547 2003 SW_{178} 3 27.4 166°.07 1°.0/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.75	− 7 55.3	2.324	3.123	12.4	21.1
3 2	12 43.94	− 7 39.2	2.238	3.126	9.6	21.0
3 12	12 37.39	− 7 10.6	2.176	3.129	6.2	20.7
3 22	12 29.65	− 6 32.2	2.142	3.131	2.7	20.5
4 1	12 21.46	− 5 47.7	2.137	3.133	1.7	20.4
4 11	12 13.64	− 5 2.3	2.161	3.135	5.2	20.7
4 21	12 6.92	− 4 20.8	2.213	3.137	8.6	20.9
5 1	12 1.86	− 3 47.3	2.290	3.138	11.7	21.1

413693 2005 XX_{83} 3 27.4 72°.48 3°.3/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 50.05	−16 25.3	1.877	2.650	15.9	21.1
3 2	12 45.05	−15 53.0	1.821	2.685	12.6	21.0
3 12	12 38.05	−14 58.7	1.787	2.720	8.9	20.8
3 22	12 29.84	−13 45.6	1.778	2.754	5.2	20.7
4 1	12 21.37	−12 19.5	1.797	2.788	3.3	20.6
4 11	12 13.63	−10 48.6	1.845	2.821	5.7	20.8
4 21	12 7.39	− 9 21.1	1.921	2.854	9.1	21.1
5 1	12 3.17	− 8 3.9	2.021	2.887	12.3	21.4

253274 2003 AF_{92} 3 27.4 97°.30 7°.0/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.61	+14 40.5	1.802	2.645	13.6	20.1
3 2	12 47.81	+15 47.0	1.755	2.662	10.6	19.9
3 12	12 39.83	+16 48.7	1.732	2.679	8.0	19.8
3 22	12 30.48	+17 37.5	1.735	2.696	7.0	19.8
4 1	12 20.82	+18 6.5	1.765	2.712	8.4	19.9
4 11	12 11.94	+18 12.2	1.821	2.728	11.0	20.1
4 21	12 4.70	+17 54.5	1.901	2.744	13.7	20.3
5 1	11 59.67	+17 15.5	2.000	2.759	16.2	20.5

53086 1998 XK_{95} 3 27.4 160°.58 4°.0/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.72	+ 5 39.6	2.185	3.021	11.8	18.6
3 2	12 43.95	+ 7 6.1	2.116	3.028	8.8	18.4
3 12	12 37.40	+ 8 37.8	2.073	3.035	5.7	18.3
3 22	12 29.65	+10 7.3	2.059	3.040	4.0	18.1
4 1	12 21.49	+11 27.3	2.075	3.045	5.4	18.2
4 11	12 13.79	+12 31.5	2.119	3.049	8.4	18.4
4 21	12 7.27	+13 16.3	2.188	3.053	11.4	18.6
5 1	12 2.48	+13 40.5	2.280	3.056	14.0	18.8

169342 2001 TA_{204} 3 27.4 93°.73 2°.6/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.20	+ 1 51.1	2.248	3.084	11.5	20.0
3 2	12 41.26	+ 3 0.0	2.180	3.093	8.5	19.8
3 12	12 35.68	+ 4 16.1	2.137	3.102	5.3	19.6
3 22	12 29.03	+ 5 33.4	2.122	3.111	2.7	19.5
4 1	12 22.03	+ 6 45.6	2.136	3.120	3.9	19.6
4 11	12 15.46	+ 7 46.7	2.179	3.129	7.0	19.8
4 21	12 9.97	+ 8 32.6	2.248	3.137	10.1	20.0
5 1	12 6.06	+ 9 1.3	2.340	3.146	12.8	20.2

227523 2005 YZ_{54} 3 27.4 205°.26 3°.1/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.40	+ 3 31.0	1.941	2.778	13.0	20.7
3 2	12 44.74	+ 4 18.6	1.863	2.777	9.7	20.5
3 12	12 38.03	+ 5 12.7	1.810	2.775	6.1	20.3
3 22	12 29.91	+ 6 7.2	1.784	2.773	3.2	20.1
4 1	12 21.26	+ 6 55.7	1.787	2.770	4.5	20.2
4 11	12 13.08	+ 7 32.1	1.817	2.768	8.1	20.4
4 21	12 6.20	+ 7 52.7	1.872	2.765	11.6	20.6
5 1	12 1.28	+ 7 55.7	1.949	2.763	14.7	20.8

128360 2004 HK_{18} 3 27.4 242°.88 2°.0/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.54	+ 0 58.7	2.212	3.036	12.1	20.7
3 2	12 45.51	+ 1 37.6	2.112	3.019	9.1	20.4
3 12	12 38.52	+ 2 24.7	2.038	3.001	5.7	20.2
3 22	12 30.11	+ 3 15.3	1.992	2.983	2.4	19.9
4 1	12 21.05	+ 4 3.9	1.975	2.964	3.4	20.0
4 11	12 12.27	+ 4 44.8	1.988	2.945	7.0	20.2
4 21	12 4.60	+ 5 13.8	2.027	2.925	10.6	20.3
5 1	11 58.70	+ 5 28.0	2.089	2.904	13.8	20.5

427576 2003 OK_{15} 3 27.4 296°.59 7°.6/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.18	−24 8.8	1.885	2.620	17.1	20.8
3 2	12 43.68	−24 39.5	1.772	2.596	14.8	20.5
3 12	12 37.77	−24 45.5	1.679	2.572	12.0	20.3
3 22	12 29.95	−24 23.7	1.607	2.548	9.3	20.1
4 1	12 21.14	−23 33.6	1.560	2.524	7.7	19.9
4 11	12 12.50	−22 19.4	1.539	2.500	8.3	19.9
4 21	12 5.15	−20 49.0	1.543	2.476	11.0	20.0
5 1	12 0.01	−19 12.5	1.570	2.452	14.3	20.1

211108 2002 EG_{152} 3 27.4 302°.61 1°.5/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.90	− 6 17.1	1.422	2.249	17.4	20.5
3 2	12 47.65	− 6 32.6	1.330	2.233	13.6	20.2
3 12	12 40.44	− 6 33.1	1.259	2.217	9.0	19.9
3 22	12 30.95	− 6 20.3	1.211	2.202	3.8	19.6
4 1	12 20.33	− 5 58.1	1.190	2.186	2.6	19.5
4 11	12 10.07	− 5 33.2	1.194	2.171	7.9	19.7
4 21	12 1.54	− 5 12.1	1.222	2.157	13.1	20.0
5 1	11 55.76	− 5 1.0	1.271	2.142	17.6	20.2

423835 2006 PT_2 3 27.4 230°.46 4°.6/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.01	−16 56.2	2.121	2.876	14.8	22.0
3 2	12 47.65	−17 15.6	2.013	2.863	12.2	21.7
3 12	12 40.03	−17 16.7	1.928	2.849	9.1	21.5
3 22	12 30.71	−16 58.7	1.868	2.834	6.1	21.3
4 1	12 20.56	−16 23.1	1.836	2.819	4.6	21.2
4 11	12 10.64	−15 34.2	1.833	2.802	6.4	21.2
4 21	12 1.94	−14 38.5	1.857	2.785	9.7	21.4
5 1	11 55.26	−13 42.9	1.905	2.768	13.0	21.6

281769 2009 HD_{23} 3 27.4 284°.59 1°.9/25.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 45.01	+ 0 34.1	2.336	3.167	11.3	20.8
3 2	12 41.23	+ 1 24.1	2.241	3.152	8.4	20.6
3 12	12 35.78	+ 2 22.4	2.172	3.137	5.2	20.4
3 22	12 29.13	+ 3 24.6	2.131	3.122	2.3	20.2
4 1	12 21.98	+ 4 25.0	2.118	3.107	3.3	20.2
4 11	12 15.10	+ 5 17.8	2.135	3.092	6.6	20.4
4 21	12 9.20	+ 5 58.6	2.177	3.076	9.9	20.6
5 1	12 4.85	+ 6 24.5	2.243	3.061	12.9	20.7

121632 1999 VS_{196} 3 27.4 147°.80 0°.9/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.51	− 3 46.7	2.319	3.136	11.9	19.8
3 2	12 42.22	− 2 44.2	2.241	3.143	8.9	19.6
3 12	12 36.30	− 1 30.2	2.188	3.150	5.4	19.4
3 22	12 29.29	− 0 9.7	2.164	3.157	1.9	19.2
4 1	12 21.89	+ 1 11.2	2.170	3.163	2.4	19.2
4 11	12 14.90	+ 2 26.0	2.205	3.169	6.0	19.5
4 21	12 8.98	+ 3 29.5	2.268	3.174	9.3	19.7
5 1	12 4.64	+ 4 18.2	2.355	3.179	12.2	19.9

246461 2007 VU_{268} 3 27.4 149°.26 6°.8/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.97	+19 0.0	2.439	3.273	10.8	20.7
3 2	12 44.74	+20 2.8	2.382	3.277	8.7	20.6
3 12	12 37.82	+20 59.3	2.350	3.281	7.2	20.5
3 22	12 29.81	+21 43.3	2.346	3.286	6.8	20.4
4 1	12 21.47	+22 9.6	2.369	3.289	8.0	20.5
4 11	12 13.62	+22 15.2	2.418	3.293	9.9	20.6
4 21	12 6.95	+22 0.1	2.490	3.297	12.0	20.8
5 1	12 1.95	+21 25.6	2.584	3.300	13.9	20.9

429998 2013 QM_{26} 3 27.4 88°.29 4°.4/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.35	+ 5 4.3	1.862	2.708	13.1	20.8
3 2	12 43.11	+ 6 43.0	1.808	2.726	9.7	20.6
3 12	12 36.93	+ 8 27.2	1.780	2.744	6.3	20.4
3 22	12 29.51	+10 8.1	1.780	2.761	4.4	20.3
4 1	12 21.74	+11 36.8	1.808	2.779	6.0	20.5
4 11	12 14.57	+12 46.3	1.863	2.796	9.2	20.7
4 21	12 8.78	+13 33.2	1.943	2.813	12.3	20.9
5 1	12 4.88	+13 56.5	2.043	2.830	15.1	21.1

83487 2001 SY_{97} 3 27.4 44°.21 0°.1/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 44.74	− 6 24.4	2.134	2.951	12.8	19.5
3 2	12 41.08	− 5 36.4	2.053	2.953	9.7	19.3
3 12	12 35.68	− 4 34.4	1.996	2.955	6.1	19.1
3 22	12 29.09	− 3 22.8	1.965	2.958	2.2	18.9
4 1	12 22.07	− 2 7.3	1.964	2.960	1.9	18.9
4 11	12 15.44	− 0 54.8	1.991	2.963	5.8	19.1
4 21	12 9.92	+ 0 8.7	2.045	2.965	9.4	19.3
5 1	12 6.07	+ 0 58.9	2.123	2.968	12.6	19.5

303772 2005 QS_{173} 3 27.4 232°.88 0°.5/28.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.03	− 7 52.4	2.906	3.701	10.3	21.8
3 2	12 40.94	− 7 15.3	2.802	3.689	7.9	21.6
3 12	12 35.45	− 6 26.7	2.723	3.676	5.1	21.4
3 22	12 29.00	− 5 29.2	2.673	3.663	2.1	21.2
4 1	12 22.13	− 4 26.7	2.653	3.649	1.4	21.1
4 11	12 15.49	− 3 23.9	2.663	3.635	4.5	21.3
4 21	12 9.63	− 2 25.3	2.702	3.621	7.5	21.5
5 1	12 5.04	− 1 34.7	2.767	3.606	10.1	21.6

505464 2013 TA_{93} 3 27.4 132°.21 1°.9/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.86	−12 32.8	2.262	3.047	13.2	21.5
3 2	12 42.56	−11 54.8	2.181	3.057	10.3	21.3
3 12	12 36.55	−10 59.7	2.122	3.066	7.0	21.1
3 22	12 29.39	− 9 50.3	2.091	3.075	3.5	20.9
4 1	12 21.83	− 8 31.6	2.089	3.084	2.1	20.8
4 11	12 14.70	− 7 10.2	2.116	3.092	5.1	21.0
4 21	12 8.69	− 5 52.6	2.171	3.100	8.5	21.2
5 1	12 4.34	− 4 44.4	2.252	3.108	11.5	21.4

65533 6592 *P–L* 3 27.4 145°.00 0°.4/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.32	− 3 27.0	2.865	3.673	10.1	20.3
3 2	12 41.78	− 2 54.7	2.785	3.682	7.5	20.1
3 12	12 35.90	− 2 14.5	2.731	3.690	4.7	19.9
3 22	12 29.13	− 1 29.5	2.706	3.698	1.6	19.7
4 1	12 22.07	− 0 43.4	2.711	3.706	1.7	19.7
4 11	12 15.33	− 0 0.5	2.747	3.713	4.7	19.9
4 21	12 9.46	+ 0 35.9	2.810	3.720	7.6	20.1
5 1	12 4.88	+ 1 3.1	2.899	3.727	10.0	20.3

498440 2008 AO_{110} 3 27.4 128°.61 4°.5/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.36	−22 41.8	3.216	3.917	11.3	22.7
3 2	12 44.00	−22 55.8	3.131	3.936	9.5	22.6
3 12	12 37.26	−22 54.4	3.069	3.954	7.4	22.5
3 22	12 29.62	−22 37.6	3.033	3.971	5.6	22.4
4 1	12 21.66	−22 6.8	3.026	3.988	4.5	22.3
4 11	12 14.02	−21 24.8	3.049	4.004	5.0	22.4
4 21	12 7.26	−20 35.9	3.101	4.019	6.6	22.5
5 1	12 1.84	−19 44.7	3.179	4.034	8.5	22.6

518598 2007 VC_{339} 3 27.4 269°.32 3°.7/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 45.71	−17 2.4	2.260	3.024	13.8	21.5
3 2	12 41.88	−16 53.9	2.163	3.019	11.2	21.3
3 12	12 36.24	−16 26.3	2.088	3.014	8.2	21.1
3 22	12 29.33	−15 40.5	2.039	3.009	5.3	20.9
4 1	12 21.88	−14 39.5	2.018	3.004	3.7	20.8
4 11	12 14.75	−13 28.8	2.024	2.999	5.5	20.9
4 21	12 8.70	−12 15.0	2.059	2.993	8.5	21.0
5 1	12 4.34	−11 4.7	2.118	2.988	11.6	21.2

140897 2001 VC_{36} 3 27.4 197°.93 3°.0/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.47	+ 7 35.9	3.131	3.958	8.8	20.4
3 2	12 42.58	+ 8 20.9	3.048	3.954	6.6	20.2
3 12	12 36.38	+ 9 7.6	2.991	3.950	4.4	20.0
3 22	12 29.32	+ 9 52.0	2.964	3.944	3.0	19.9
4 1	12 21.93	+10 30.0	2.968	3.939	4.0	20.0
4 11	12 14.81	+10 58.3	3.001	3.932	6.2	20.1
4 21	12 8.48	+11 14.7	3.062	3.926	8.5	20.3
5 1	12 3.38	+11 18.3	3.146	3.918	10.6	20.4

124959 2001 TA_{96} 3 27.4 263°.02 1°.7/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.98	− 9 5.3	1.558	2.372	16.8	20.3
3 2	12 46.73	− 8 54.0	1.461	2.356	13.2	20.1
3 12	12 39.77	− 8 23.1	1.386	2.340	8.8	19.8
3 22	12 30.72	− 7 34.8	1.335	2.323	4.0	19.4
4 1	12 20.65	− 6 34.1	1.310	2.307	2.5	19.3
4 11	12 10.91	− 5 29.2	1.312	2.289	7.4	19.5
4 21	12 2.74	− 4 28.9	1.339	2.272	12.3	19.8
5 1	11 57.08	− 3 40.7	1.388	2.254	16.8	20.0

38841 2000 SH_{43} 3 27.4 217°.89 1°.0/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.65	− 8 56.5	1.803	2.611	15.1	19.6
3 2	12 45.23	− 8 18.8	1.712	2.605	11.7	19.4
3 12	12 38.54	− 7 22.2	1.643	2.597	7.6	19.1
3 22	12 30.20	− 6 10.4	1.600	2.590	3.2	18.8
4 1	12 21.15	− 4 49.4	1.585	2.582	2.0	18.7
4 11	12 12.51	− 3 27.8	1.598	2.573	6.6	19.0
4 21	12 5.25	− 2 13.5	1.638	2.564	11.0	19.2
5 1	12 0.12	− 1 13.1	1.701	2.554	14.8	19.4

244680 2003 OG_{16} 3 27.4 267°.81 0°.8/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.28	− 4 3.3	1.699	2.525	15.1	21.6
3 2	12 46.02	− 3 23.7	1.596	2.502	11.5	21.3
3 12	12 39.24	− 2 27.9	1.516	2.479	7.3	21.0
3 22	12 30.53	− 1 20.3	1.462	2.455	2.5	20.6
4 1	12 20.84	− 0 7.8	1.435	2.430	2.8	20.6
4 11	12 11.40	+ 1 0.8	1.436	2.405	7.9	20.8
4 21	12 3.34	+ 1 57.9	1.462	2.380	12.6	21.1
5 1	11 57.57	+ 2 37.6	1.510	2.354	16.8	21.2

504347 2007 TQ_{308} 3 27.4 188°.35 2°.2/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.35	+ 2 28.3	2.326	3.155	11.4	22.2
3 2	12 43.64	+ 3 4.4	2.246	3.155	8.5	22.0
3 12	12 37.23	+ 3 46.2	2.191	3.154	5.3	21.8
3 22	12 29.66	+ 4 29.1	2.163	3.153	2.5	21.6
4 1	12 21.67	+ 5 8.3	2.166	3.152	3.4	21.7
4 11	12 14.05	+ 5 38.9	2.197	3.151	6.6	21.9
4 21	12 7.52	+ 5 57.8	2.254	3.150	9.8	22.1
5 1	12 2.62	+ 6 3.0	2.335	3.148	12.6	22.3

458863 2011 UX_{115} 3 27.4 154°.25 0°.5/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.57	− 5 27.2	1.753	2.566	15.3	22.3
3 2	12 48.85	− 5 17.5	1.676	2.572	11.7	22.1
3 12	12 40.74	− 4 54.5	1.621	2.579	7.5	21.8
3 22	12 30.96	− 4 21.3	1.593	2.584	2.8	21.6
4 1	12 20.57	− 3 43.1	1.593	2.589	2.1	21.5
4 11	12 10.75	− 3 6.0	1.621	2.594	6.7	21.8
4 21	12 2.52	− 2 35.7	1.676	2.598	11.0	22.1
5 1	11 56.59	− 2 16.5	1.753	2.601	14.6	22.3

502903 2015 EB_{9} 3 27.4 265°.36 1°.6/25.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.17	− 0 35.3	2.051	2.882	12.7	20.9
3 2	12 43.00	+ 0 6.3	1.970	2.880	9.5	20.7
3 12	12 36.95	+ 0 57.3	1.913	2.877	5.8	20.5
3 22	12 29.59	+ 1 52.8	1.883	2.875	2.2	20.2
4 1	12 21.73	+ 2 46.9	1.881	2.873	3.1	20.3
4 11	12 14.28	+ 3 33.5	1.908	2.870	6.8	20.5
4 21	12 8.02	+ 4 8.1	1.961	2.868	10.5	20.7
5 1	12 3.54	+ 4 27.8	2.036	2.866	13.6	20.9

291375 2006 BG_{281} 3 27.4 185°.68 2°.8/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.60	+ 3 39.7	2.602	3.430	10.4	21.7
3 2	12 42.92	+ 4 44.7	2.521	3.430	7.7	21.5
3 12	12 36.71	+ 5 55.2	2.467	3.429	4.9	21.4
3 22	12 29.47	+ 7 6.1	2.441	3.428	2.8	21.2
4 1	12 21.84	+ 8 11.7	2.447	3.426	4.0	21.3
4 11	12 14.55	+ 9 6.8	2.481	3.423	6.7	21.5
4 21	12 8.21	+ 9 48.1	2.543	3.420	9.6	21.6
5 1	12 3.32	+10 13.7	2.628	3.416	12.0	21.8

429019 2009 BS_{127} 3 27.4 287.°63 3.°8/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 45.04	+ 5 18.0	2.158	3.002	11.6	21.2
3 2	12 41.33	+ 6 32.3	2.080	2.996	8.7	21.0
3 12	12 35.88	+ 7 52.3	2.027	2.991	5.6	20.8
3 22	12 29.21	+ 9 11.5	2.002	2.986	3.8	20.6
4 1	12 22.08	+10 22.7	2.006	2.980	5.2	20.7
4 11	12 15.31	+11 19.8	2.037	2.975	8.2	20.9
4 21	12 9.64	+11 58.8	2.094	2.970	11.3	21.1
5 1	12 5.63	+12 18.1	2.172	2.964	14.1	21.2

33744 1999 NS_{55} 3 27.4 9.°10 1.°2/25.8 18

2 21	12 43.27	− 3 42.8	2.260	3.084	11.9	18.1
3 2	12 39.91	− 2 27.6	2.178	3.085	8.8	17.9
3 12	12 34.93	− 0 59.8	2.121	3.085	5.4	17.7
3 22	12 28.86	+ 0 35.1	2.093	3.085	1.9	17.5
4 1	12 22.38	+ 2 10.4	2.094	3.086	2.7	17.5
4 11	12 16.26	+ 3 38.6	2.124	3.087	6.3	17.8
4 21	12 11.16	+ 4 54.1	2.182	3.088	9.6	18.0
5 1	12 7.59	+ 5 52.8	2.263	3.088	12.6	18.2

222360 2000 XR_{11} 3 27.4 99.°99 0.°6/26.6 18

2 21	12 47.92	− 5 41.1	2.130	2.943	12.9	20.7
3 2	12 43.30	− 4 28.0	2.067	2.966	9.6	20.6
3 12	12 36.97	− 3 1.7	2.029	2.989	5.9	20.4
3 22	12 29.55	− 1 27.9	2.019	3.012	2.0	20.2
4 1	12 21.84	+ 0 6.2	2.040	3.034	2.3	20.2
4 11	12 14.67	+ 1 33.3	2.090	3.056	6.1	20.5
4 21	12 8.73	+ 2 47.6	2.168	3.077	9.5	20.7
5 1	12 4.51	+ 3 45.4	2.270	3.098	12.4	21.0

163607 2002 TD_{258} 3 27.4 90.°09 0.°8/26.5 18

2 21	12 46.70	− 3 15.3	2.203	3.024	12.3	20.0
3 2	12 42.41	− 2 30.7	2.134	3.038	9.2	19.8
3 12	12 36.45	− 1 35.7	2.089	3.051	5.6	19.6
3 22	12 29.38	− 0 35.0	2.072	3.065	1.9	19.3
4 1	12 21.97	+ 0 25.9	2.084	3.078	2.3	19.4
4 11	12 15.02	+ 1 21.2	2.125	3.091	5.9	19.7
4 21	12 9.20	+ 2 6.4	2.193	3.104	9.3	19.9
5 1	12 5.04	+ 2 38.2	2.284	3.117	12.2	20.1

359685 2011 SN_{163} 3 27.4 204.°57 2.°1/29.0 16

2 21	12 54.23	− 9 11.4	1.708	2.510	16.1	22.3
3 2	12 48.85	− 9 17.3	1.620	2.507	12.6	22.1
3 12	12 40.91	− 9 6.9	1.553	2.503	8.5	21.8
3 22	12 31.09	− 8 41.7	1.512	2.499	4.1	21.6
4 1	12 20.46	− 8 5.6	1.499	2.494	2.6	21.4
4 11	12 10.28	− 7 24.7	1.513	2.489	6.7	21.7
4 21	12 1.66	− 6 45.7	1.553	2.483	11.2	21.9
5 1	11 55.44	− 6 14.8	1.617	2.477	15.1	22.1

32543 2001 QL_{11} 3 27.4 202.°30 0.°6/26.7 17

2 21	12 49.72	− 3 34.9	2.308	3.120	12.1	20.5
3 2	12 44.76	− 2 55.8	2.216	3.115	9.1	20.3
3 12	12 38.00	− 2 5.8	2.150	3.110	5.7	20.1
3 22	12 29.97	− 1 8.8	2.111	3.104	2.0	19.8
4 1	12 21.43	− 0 10.0	2.102	3.097	2.2	19.8
4 11	12 13.23	+ 0 45.0	2.123	3.089	6.0	20.1
4 21	12 6.12	+ 1 31.1	2.172	3.081	9.5	20.3
5 1	12 0.69	+ 2 4.8	2.244	3.072	12.6	20.4

25940 Mikeschottland 3 27.4 322.°45 2.°6/24.9 18

2 21	12 47.76	+ 2 3.9	1.861	2.701	13.4	18.9
3 2	12 43.64	+ 2 46.3	1.782	2.696	10.0	18.7
3 12	12 37.45	+ 3 36.6	1.726	2.692	6.2	18.4
3 22	12 29.80	+ 4 29.0	1.698	2.688	2.9	18.2
4 1	12 21.59	+ 5 17.1	1.697	2.684	4.1	18.3
4 11	12 13.83	+ 5 54.5	1.723	2.680	7.9	18.5
4 21	12 7.38	+ 6 16.9	1.774	2.677	11.6	18.7
5 1	12 2.91	+ 6 22.2	1.847	2.673	14.9	18.9

469739 2005 NK_{72} 3 27.4 221.°90 1.°2/25.7 17

2 21	12 45.54	− 0 53.5	2.893	3.710	9.7	22.6
3 2	12 41.30	− 0 7.7	2.798	3.701	7.3	22.4
3 12	12 35.69	+ 0 45.6	2.729	3.691	4.5	22.2
3 22	12 29.12	+ 1 42.7	2.689	3.681	1.7	22.0
4 1	12 22.17	+ 2 39.3	2.679	3.670	2.4	22.0
4 11	12 15.46	+ 3 30.9	2.700	3.659	5.3	22.2
4 21	12 9.56	+ 4 13.7	2.749	3.648	8.1	22.4
5 1	12 4.91	+ 4 45.2	2.822	3.636	10.6	22.5

423760 2006 DK_{61} 3 27.4 352.°69 0.°1/27.5 17

2 21	12 43.46	− 7 11.0	1.608	2.439	15.5	20.8
3 2	12 40.73	− 6 19.8	1.528	2.435	11.8	20.6
3 12	12 35.77	− 5 9.1	1.470	2.432	7.5	20.3
3 22	12 29.24	− 3 44.2	1.437	2.430	2.7	20.0
4 1	12 22.09	− 2 13.1	1.431	2.428	2.3	20.0
4 11	12 15.41	− 0 45.5	1.452	2.426	7.1	20.3
4 21	12 10.16	+ 0 30.1	1.497	2.426	11.6	20.5
5 1	12 7.01	+ 1 27.5	1.564	2.426	15.4	20.7

106028 2000 SB_{299} 3 27.4 257.°61 4.°2/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 46.91	−18 17.3	2.532	3.281	12.9	20.4
3 2	12 42.69	−18 25.3	2.426	3.269	10.6	20.2
3 12	12 36.74	−18 16.4	2.342	3.257	8.0	20.0
3 22	12 29.55	−17 50.6	2.284	3.245	5.5	19.8
4 1	12 21.80	−17 9.6	2.253	3.233	4.2	19.7
4 11	12 14.28	−16 17.6	2.251	3.221	5.4	19.7
4 21	12 7.71	−15 19.6	2.277	3.208	8.0	19.9
5 1	12 2.71	−14 21.6	2.328	3.195	10.8	20.0

118000 1128 $T\text{-}_2$ 3 27.4 151.°99 1.°1/28.3 18

2 21	12 55.24	− 7 33.5	1.731	2.536	15.8	21.4
3 2	12 49.38	− 7 19.6	1.654	2.545	12.1	21.2
3 12	12 41.09	− 6 50.0	1.600	2.554	7.9	20.9
3 22	12 31.11	− 6 7.6	1.572	2.562	3.3	20.6
4 1	12 20.52	− 5 17.9	1.573	2.570	2.1	20.6
4 11	12 10.55	− 4 27.8	1.602	2.576	6.7	20.9
4 21	12 2.20	− 3 43.8	1.658	2.582	11.0	21.1
5 1	11 56.21	− 3 11.0	1.736	2.586	14.7	21.4

11427 Willemkolff 3 27.4 245.°48 0.°3/27.0 18

2 21	12 45.12	− 4 31.7	2.519	3.333	11.1	18.3
3 2	12 41.19	− 3 52.7	2.426	3.325	8.4	18.1
3 12	12 35.71	− 3 3.0	2.358	3.318	5.3	17.9
3 22	12 29.16	− 2 6.2	2.318	3.310	1.8	17.6
4 1	12 22.17	− 1 6.8	2.307	3.302	1.8	17.6
4 11	12 15.46	− 0 10.2	2.326	3.294	5.3	17.9
4 21	12 9.67	+ 0 39.0	2.372	3.286	8.6	18.0
5 1	12 5.33	+ 1 17.3	2.443	3.278	11.4	18.2

268956 2007 DU_{78} 3 27.4 135.°64 3.°7/22.9 18

2 21	12 48.98	+ 5 16.6	2.251	3.085	11.6	21.6
3 2	12 44.08	+ 6 37.7	2.188	3.100	8.6	21.4
3 12	12 37.47	+ 8 3.2	2.152	3.113	5.5	21.3
3 22	12 29.75	+ 9 26.5	2.144	3.127	3.7	21.2
4 1	12 21.70	+10 40.7	2.166	3.139	5.0	21.3
4 11	12 14.14	+11 40.1	2.217	3.151	7.9	21.5
4 21	12 7.74	+12 21.4	2.294	3.162	10.8	21.7
5 1	12 3.03	+12 43.5	2.393	3.173	13.3	21.9

194304 2001 UV_{71} 3 27.4 342.°88 1.°1/28.1 18

2 21	12 51.78	− 5 35.9	1.244	2.083	18.7	19.9
3 2	12 47.73	− 5 47.0	1.168	2.078	14.5	19.6
3 12	12 40.55	− 5 41.6	1.112	2.074	9.4	19.3
3 22	12 31.05	− 5 22.5	1.079	2.071	3.8	19.0
4 1	12 20.55	− 4 54.9	1.071	2.068	2.6	18.9
4 11	12 10.67	− 4 26.5	1.087	2.065	8.3	19.2
4 21	12 2.82	− 4 4.7	1.126	2.063	13.7	19.5
5 1	11 57.94	− 3 55.2	1.185	2.062	18.3	19.8

460081 2014 OO_{323} 3 27.4 125.°23 0.°1/27.4 18

2 21	12 51.79	− 5 37.4	1.687	2.506	15.5	22.4
3 2	12 46.77	− 5 2.2	1.617	2.518	11.7	22.2
3 12	12 39.42	− 4 11.8	1.570	2.530	7.4	21.9
3 22	12 30.51	− 3 10.8	1.548	2.541	2.6	21.7
4 1	12 21.07	− 2 6.1	1.555	2.551	2.3	21.6
4 11	12 12.27	− 1 5.6	1.590	2.561	7.0	22.0
4 21	12 5.06	− 0 15.6	1.650	2.571	11.2	22.2
5 1	12 0.10	+ 0 19.2	1.733	2.580	14.8	22.5

209628 2005 AL_{46} 3 27.4 85.°40 1.°4/26.2 18

2 21	12 51.52	− 2 27.2	1.511	2.346	16.2	20.7
3 2	12 46.67	− 1 40.9	1.453	2.364	12.1	20.5
3 12	12 39.38	− 0 41.3	1.417	2.382	7.4	20.3
3 22	12 30.48	+ 0 25.1	1.407	2.400	2.6	20.0
4 1	12 21.13	+ 1 29.9	1.424	2.417	3.3	20.1
4 11	12 12.56	+ 2 25.2	1.467	2.434	8.0	20.4
4 21	12 5.74	+ 3 5.0	1.535	2.451	12.2	20.7
5 1	12 1.33	+ 3 26.4	1.625	2.468	15.8	21.0

244181 2001 XE_{180} 3 27.4 185.°68 5.°7/ 5.2 18

2 21	12 47.71	−28 14.2	3.270	3.934	11.7	21.1
3 2	12 42.94	−28 29.0	3.166	3.934	10.2	20.9
3 12	12 36.73	−28 26.3	3.083	3.933	8.5	20.8
3 22	12 29.51	−28 5.4	3.024	3.932	6.8	20.7
4 1	12 21.88	−27 26.8	2.993	3.930	5.8	20.6
4 11	12 14.49	−26 33.3	2.990	3.927	5.9	20.6
4 21	12 7.94	−25 29.2	3.014	3.925	7.1	20.7
5 1	12 2.71	−24 19.6	3.066	3.921	8.8	20.8

82535 2001 OF_{64} 3 27.4 156.°36 4.°9/ 1.3 18

2 21	12 49.69	−18 39.7	1.928	2.688	16.0	19.4
3 2	12 45.18	−18 46.3	1.841	2.692	13.1	19.2
3 12	12 38.47	−18 30.7	1.775	2.695	9.9	19.0
3 22	12 30.20	−17 52.9	1.733	2.698	6.7	18.9
4 1	12 21.31	−16 55.7	1.718	2.700	4.9	18.7
4 11	12 12.86	−15 45.2	1.731	2.703	6.5	18.8
4 21	12 5.79	−14 29.2	1.770	2.705	9.7	19.0
5 1	12 0.80	−13 16.0	1.833	2.707	13.0	19.2

270569 2002 JH_{41} 3 27.4 351°.99 0°.9/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 48.12	− 2 8.7	1.570	2.409	15.4	19.8
3 2	12 44.29	− 1 52.2	1.492	2.405	11.7	19.6
3 12	12 38.05	− 1 23.9	1.437	2.402	7.3	19.3
3 22	12 30.08	− 0 48.2	1.406	2.399	2.5	19.0
4 1	12 21.42	− 0 11.3	1.402	2.397	2.8	19.0
4 11	12 13.29	+ 0 20.0	1.424	2.396	7.6	19.3
4 21	12 6.70	+ 0 40.5	1.470	2.395	12.0	19.6
5 1	12 2.42	+ 0 46.3	1.538	2.395	15.9	19.8

52265 1985 RM_{3} 3 27.4 134°.05 1°.2/26.3 18

2 21	12 52.43	− 3 26.5	1.640	2.466	15.5	19.3
3 2	12 47.28	− 2 32.9	1.573	2.479	11.7	19.1
3 12	12 39.76	− 1 24.8	1.528	2.491	7.2	18.8
3 22	12 30.64	− 0 8.5	1.510	2.502	2.5	18.6
4 1	12 21.00	+ 1 7.7	1.519	2.513	3.1	18.6
4 11	12 12.04	+ 2 15.4	1.557	2.523	7.7	18.9
4 21	12 4.72	+ 3 8.1	1.620	2.533	11.9	19.2
5 1	11 59.71	+ 3 42.2	1.705	2.541	15.5	19.4

23563 1994 UP_{8} 3 27.4 209°.99 0°.8/28.2 18

2 21	12 48.39	− 7 14.1	2.197	3.002	12.8	19.7
3 2	12 43.87	− 6 54.6	2.107	2.999	9.9	19.4
3 12	12 37.50	− 6 22.3	2.041	2.996	6.4	19.2
3 22	12 29.84	− 5 39.8	2.002	2.992	2.6	19.0
4 1	12 21.65	− 4 51.5	1.991	2.988	1.7	18.9
4 11	12 13.81	− 4 2.8	2.010	2.984	5.5	19.1
4 21	12 7.10	− 3 19.0	2.056	2.980	9.2	19.3
5 1	12 2.12	− 2 44.5	2.126	2.975	12.4	19.5

162411 2000 DM_{111} 3 27.4 25°.65 0°.2/27.6 17

2 21	12 46.99	− 5 48.8	2.044	2.860	13.3	20.1
3 2	12 42.90	− 5 20.6	1.961	2.860	10.1	19.9
3 12	12 36.92	− 4 39.4	1.902	2.861	6.4	19.7
3 22	12 29.63	− 3 48.9	1.869	2.861	2.4	19.4
4 1	12 21.84	− 2 54.1	1.865	2.862	1.9	19.4
4 11	12 14.46	− 2 1.3	1.890	2.862	5.9	19.6
4 21	12 8.27	− 1 15.8	1.941	2.863	9.7	19.9
5 1	12 3.88	− 0 42.0	2.015	2.864	13.0	20.1

81375 2000 GZ_{68} 3 27.4 76°.75 0°.2/27.3 18

2 21	12 49.16	− 5 30.8	1.641	2.467	15.5	19.3
3 2	12 44.82	− 4 53.3	1.575	2.480	11.7	19.1
3 12	12 38.22	− 4 0.3	1.531	2.492	7.4	18.8
3 22	12 30.10	− 2 56.9	1.513	2.505	2.6	18.6
4 1	12 21.49	− 1 50.3	1.522	2.518	2.3	18.6
4 11	12 13.52	− 0 48.5	1.558	2.531	7.0	18.9
4 21	12 7.11	+ 0 2.1	1.620	2.543	11.2	19.2
5 1	12 2.89	+ 0 36.9	1.704	2.556	14.8	19.4

245039 2004 EM_{77} 3 27.4 7°.68 1°.8/25.7 17

2 21	12 46.13	− 0 20.3	1.839	2.677	13.6	20.1
3 2	12 42.41	+ 0 17.0	1.764	2.678	10.1	19.9
3 12	12 36.67	+ 1 3.9	1.713	2.679	6.2	19.7
3 22	12 29.56	+ 1 55.1	1.689	2.681	2.4	19.4
4 1	12 21.93	+ 2 44.5	1.692	2.683	3.3	19.5
4 11	12 14.79	+ 3 25.5	1.722	2.686	7.3	19.8
4 21	12 8.95	+ 3 53.7	1.777	2.689	11.1	20.0
5 1	12 5.03	+ 4 6.2	1.854	2.693	14.3	20.2

283517 2001 TQ_{30} 3 27.4 81°.32 3°.0/24.0 18

2 21	12 47.14	+ 4 12.0	2.243	3.080	11.5	20.3
3 2	12 42.71	+ 5 4.6	2.181	3.094	8.5	20.1
3 12	12 36.63	+ 6 1.6	2.145	3.108	5.4	20.0
3 22	12 29.49	+ 6 57.5	2.136	3.123	3.1	19.8
4 1	12 22.04	+ 7 46.7	2.156	3.137	4.2	19.9
4 11	12 15.06	+ 8 24.4	2.205	3.151	7.1	20.1
4 21	12 9.22	+ 8 47.7	2.279	3.165	10.1	20.3
5 1	12 5.01	+ 8 55.2	2.376	3.179	12.7	20.5

221373 2005 XV_{6} 3 27.4 139°.76 0°.7/28.1 18

2 21	12 49.20	− 7 26.6	2.063	2.869	13.5	21.0
3 2	12 44.51	− 7 0.0	1.984	2.877	10.3	20.8
3 12	12 37.90	− 6 19.5	1.929	2.884	6.7	20.6
3 22	12 29.98	− 5 28.3	1.900	2.890	2.7	20.4
4 1	12 21.60	− 4 31.5	1.900	2.897	1.8	20.3
4 11	12 13.68	− 3 35.3	1.929	2.902	5.7	20.6
4 21	12 7.00	− 2 45.4	1.985	2.908	9.5	20.8
5 1	12 2.17	− 2 6.3	2.065	2.913	12.7	21.0

9641 Demazière 3 27.4 278°.98 1°.8/29.1 18 R

2 21	12 47.88	−10 21.6	1.678	2.488	15.9	18.5
3 2	12 44.19	− 9 59.9	1.581	2.474	12.5	18.2
3 12	12 38.08	− 9 17.7	1.507	2.459	8.4	17.9
3 22	12 30.16	− 8 17.6	1.457	2.444	4.0	17.6
4 1	12 21.39	− 7 4.7	1.434	2.430	2.4	17.5
4 11	12 12.97	− 5 47.5	1.437	2.415	6.8	17.7
4 21	12 5.96	− 4 34.6	1.467	2.400	11.4	17.9
5 1	12 1.19	− 3 33.8	1.518	2.386	15.5	18.1

54222 2000 JF 3 27.4 194°.66 4°.8/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 47.47	+11 11.0	2.469	3.308	10.5	18.9
3 2	12 42.94	+12 17.4	2.398	3.307	8.0	18.8
3 12	12 36.80	+13 24.0	2.352	3.305	5.8	18.6
3 22	12 29.57	+14 24.7	2.334	3.303	4.8	18.5
4 1	12 21.95	+15 13.7	2.345	3.301	6.1	18.6
4 11	12 14.71	+15 46.8	2.384	3.298	8.4	18.8
4 21	12 8.50	+16 1.9	2.448	3.295	10.9	18.9
5 1	12 3.82	+15 58.7	2.534	3.291	13.2	19.1

218697 2005 TT_{99} 3 27.4 141°.64 0°.8/28.3 15

2 21	12 50.22	− 7 41.3	2.279	3.077	12.7	22.2
3 2	12 45.06	− 7 15.3	2.201	3.089	9.7	22.0
3 12	12 38.14	− 6 36.6	2.147	3.100	6.3	21.8
3 22	12 30.05	− 5 48.1	2.121	3.111	2.6	21.6
4 1	12 21.56	− 4 54.4	2.124	3.121	1.6	21.5
4 11	12 13.52	− 4 1.0	2.157	3.130	5.3	21.8
4 21	12 6.64	− 3 13.0	2.218	3.139	8.7	22.0
5 1	12 1.47	− 2 34.5	2.304	3.147	11.8	22.2

285933 2001 QZ_{278} 3 27.4 204°.14 0°.5/26.9 17

2 21	12 51.99	− 3 1.1	2.283	3.093	12.3	22.1
3 2	12 46.52	− 2 40.5	2.190	3.088	9.3	21.9
3 12	12 39.15	− 2 10.5	2.123	3.082	5.8	21.6
3 22	12 30.45	− 1 34.2	2.083	3.075	2.0	21.4
4 1	12 21.19	− 0 56.0	2.073	3.068	2.1	21.4
4 11	12 12.28	− 0 21.0	2.093	3.060	5.9	21.6
4 21	12 4.50	+ 0 6.7	2.140	3.052	9.5	21.8
5 1	11 58.47	+ 0 23.8	2.212	3.043	12.6	22.0

55572 2002 CN_{140} 3 27.4 235°.17 5°.7/ 2.3 18

2 21	12 50.73	−21 42.9	2.366	3.092	14.3	19.4
3 2	12 45.80	−22 7.5	2.257	3.079	12.1	19.2
3 12	12 38.85	−22 13.1	2.169	3.065	9.5	19.0
3 22	12 30.39	−21 58.2	2.105	3.051	7.1	18.9
4 1	12 21.20	−21 23.4	2.069	3.037	5.7	18.7
4 11	12 12.22	−20 32.4	2.061	3.022	6.6	18.8
4 21	12 4.33	−19 30.9	2.081	3.006	9.0	18.9
5 1	11 58.24	−18 25.8	2.126	2.990	11.8	19.0

63920 2001 SC_{40} 3 27.4 86°.18 3°.6/24.8 18

2 21	12 55.03	+ 3 17.8	1.419	2.263	16.5	19.7
3 2	12 49.40	+ 4 3.2	1.367	2.283	12.3	19.5
3 12	12 41.11	+ 4 55.5	1.337	2.303	7.7	19.3
3 22	12 31.12	+ 5 47.1	1.333	2.322	3.9	19.1
4 1	12 20.72	+ 6 29.7	1.355	2.342	5.2	19.2
4 11	12 11.25	+ 6 56.5	1.404	2.361	9.4	19.5
4 21	12 3.75	+ 7 4.5	1.477	2.379	13.5	19.8
5 1	11 58.87	+ 6 52.9	1.570	2.397	17.0	20.1

522746 2016 MC_{4} 3 27.4 202°.28 5°.1/ 3.7 17

2 21	12 46.38	−24 28.0	2.938	3.639	12.2	22.7
3 2	12 42.08	−24 29.8	2.834	3.636	10.4	22.5
3 12	12 36.26	−24 13.5	2.751	3.631	8.3	22.4
3 22	12 29.39	−23 38.7	2.693	3.627	6.3	22.2
4 1	12 22.09	−22 46.8	2.662	3.622	5.1	22.1
4 11	12 15.04	−21 41.4	2.660	3.617	5.5	22.2
4 21	12 8.87	−20 27.7	2.687	3.611	7.3	22.3
5 1	12 4.10	−19 11.3	2.740	3.605	9.4	22.4

201009 2002 CA_{211} 3 27.4 76°.28 2°.0/25.8 18

2 21	12 51.56	− 1 33.3	1.405	2.246	16.8	20.4
3 2	12 46.83	− 0 39.6	1.351	2.266	12.5	20.2
3 12	12 39.54	+ 0 27.2	1.319	2.286	7.6	19.9
3 22	12 30.58	+ 1 39.6	1.312	2.305	2.9	19.7
4 1	12 21.17	+ 2 48.4	1.332	2.325	3.9	19.8
4 11	12 12.63	+ 3 44.9	1.378	2.344	8.6	20.1
4 21	12 5.95	+ 4 23.5	1.448	2.363	12.9	20.4
5 1	12 1.79	+ 4 41.5	1.539	2.382	16.6	20.7

136629 1994 PB_{29} 3 27.4 214°.13 1°.6/25.7 17

2 21	12 50.43	− 0 45.9	2.132	2.954	12.6	21.3
3 2	12 45.48	− 0 0.1	2.041	2.946	9.4	21.1
3 12	12 38.56	+ 0 55.7	1.975	2.938	5.8	20.9
3 22	12 30.26	+ 1 56.6	1.937	2.929	2.3	20.6
4 1	12 21.36	+ 2 56.5	1.928	2.919	3.1	20.7
4 11	12 12.82	+ 3 49.3	1.948	2.909	6.9	20.9
4 21	12 5.46	+ 4 30.1	1.995	2.898	10.6	21.1
5 1	11 59.92	+ 4 55.6	2.066	2.886	13.8	21.3

170945 2005 AG_{68} 3 27.4 352°.05 4°.7/30.8 18

2 21	12 46.87	−13 47.4	1.246	2.066	19.9	19.8
3 2	12 44.08	−14 11.9	1.169	2.061	16.0	19.6
3 12	12 38.31	−14 11.2	1.110	2.056	11.6	19.3
3 22	12 30.30	−13 45.2	1.073	2.053	7.0	19.0
4 1	12 21.30	−12 57.2	1.059	2.050	4.8	18.9
4 11	12 12.87	−11 55.9	1.068	2.049	8.0	19.1
4 21	12 6.34	−10 51.7	1.101	2.048	12.8	19.3
5 1	12 2.68	− 9 54.7	1.153	2.049	17.3	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
322399 2011 QM_{95}			3 27.4 211°.44		5°.0/20.0 18	
	h m	° ′			°	m
2 21	12 45.32	+11 36.2	2.595	3.437	10.0	20.6
3 2	12 41.31	+13 6.3	2.523	3.432	7.7	20.4
3 12	12 35.78	+14 37.0	2.477	3.428	5.7	20.3
3 22	12 29.22	+16 2.0	2.460	3.422	5.1	20.2
4 1	12 22.27	+17 14.9	2.472	3.417	6.4	20.3
4 11	12 15.63	+18 10.8	2.511	3.412	8.6	20.5
4 21	12 9.92	+18 47.2	2.576	3.406	11.0	20.6
5 1	12 5.64	+19 3.4	2.662	3.399	13.1	20.7
425938 2011 GC_{65}			3 27.4 27°.25		6°.7/21.5 18	
2 21	12 52.79	+14 43.1	1.850	2.692	13.3	20.5
3 2	12 47.39	+15 32.0	1.786	2.694	10.4	20.3
3 12	12 39.76	+16 16.5	1.747	2.695	7.8	20.1
3 22	12 30.66	+16 49.4	1.733	2.697	6.7	20.1
4 1	12 21.09	+17 4.2	1.747	2.698	8.0	20.1
4 11	12 12.16	+16 57.1	1.786	2.700	10.7	20.3
4 21	12 4.76	+16 27.8	1.849	2.702	13.7	20.5
5 1	11 59.52	+15 38.1	1.932	2.704	16.3	20.7
17051 Oflynn			3 27.4 237°.66		1°.2/26.5 18	
2 21	12 53.59	− 1 22.8	1.691	2.518	15.1	18.0
3 2	12 48.41	− 1 2.2	1.601	2.508	11.5	17.7
3 12	12 40.69	− 0 30.5	1.535	2.498	7.2	17.4
3 22	12 31.10	+ 0 7.7	1.495	2.487	2.6	17.1
4 1	12 20.68	+ 0 46.6	1.482	2.476	3.0	17.1
4 11	12 10.68	+ 1 19.3	1.497	2.465	7.8	17.4
4 21	12 2.21	+ 1 40.6	1.538	2.453	12.3	17.6
5 1	11 56.10	+ 1 47.0	1.600	2.440	16.2	17.8
249303 2008 UG_{39}			3 27.4 352°.59		1°.9/28.8 18	
2 21	12 48.59	− 9 2.1	1.262	2.094	18.9	21.1
3 2	12 45.25	− 8 53.2	1.187	2.092	14.7	20.8
3 12	12 38.97	− 8 22.1	1.132	2.090	9.8	20.5
3 22	12 30.52	− 7 31.6	1.099	2.088	4.4	20.2
4 1	12 21.17	− 6 28.4	1.091	2.087	2.7	20.1
4 11	12 12.45	− 5 22.4	1.107	2.087	7.9	20.4
4 21	12 5.64	− 4 23.6	1.147	2.087	13.2	20.7
5 1	12 1.65	− 3 39.6	1.206	2.087	17.7	20.9
148384 Dalcanton			3 27.4 129°.83		3°.0/23.5 17	
2 21	12 45.62	+ 4 34.1	2.519	3.354	10.5	20.6
3 2	12 41.48	+ 5 36.5	2.448	3.360	7.8	20.4
3 12	12 35.85	+ 6 43.3	2.404	3.367	4.9	20.3
3 22	12 29.24	+ 7 49.3	2.388	3.373	3.0	20.1
4 1	12 22.30	+ 8 48.9	2.402	3.379	4.2	20.2
4 11	12 15.73	+ 9 37.3	2.444	3.385	6.9	20.4
4 21	12 10.14	+10 11.4	2.513	3.391	9.6	20.6
5 1	12 5.98	+10 29.7	2.605	3.397	12.0	20.8
210721 2000 SQ_{303}			3 27.4 136°.82		2°.6/29.6 18	
2 21	12 55.96	−10 33.7	1.832	2.621	15.6	20.7
3 2	12 49.87	−10 48.7	1.754	2.632	12.3	20.5
3 12	12 41.41	−10 47.7	1.699	2.643	8.4	20.2
3 22	12 31.30	−10 32.0	1.670	2.653	4.4	20.0
4 1	12 20.58	−10 4.7	1.669	2.663	2.9	19.9
4 11	12 10.44	− 9 31.3	1.697	2.672	6.3	20.2
4 21	12 1.87	− 8 57.7	1.752	2.681	10.2	20.4
5 1	11 55.59	− 8 29.5	1.831	2.688	13.7	20.6
72195 2000 YD_{128}			3 27.4 152°.48		0°.7/26.8 18	
2 21	12 52.65	− 3 14.9	1.994	2.809	13.6	20.3
3 2	12 47.13	− 2 41.7	1.919	2.819	10.2	20.1
3 12	12 39.56	− 1 57.4	1.867	2.827	6.4	19.9
3 22	12 30.60	− 1 6.3	1.843	2.835	2.2	19.6
4 1	12 21.17	− 0 14.0	1.848	2.842	2.4	19.7
4 11	12 12.26	+ 0 33.3	1.882	2.849	6.5	19.9
4 21	12 4.72	+ 1 10.6	1.943	2.854	10.3	20.2
5 1	11 59.15	+ 1 34.7	2.027	2.859	13.5	20.4
174735 2003 UV_{195}			3 27.4 115°.76		1°.3/26.2 18	
2 21	12 51.84	− 2 12.6	1.813	2.637	14.3	21.1
3 2	12 46.60	− 1 27.6	1.748	2.654	10.7	20.9
3 12	12 39.24	− 0 31.3	1.707	2.670	6.6	20.7
3 22	12 30.48	+ 0 30.8	1.693	2.686	2.3	20.5
4 1	12 21.30	+ 1 31.7	1.708	2.701	2.9	20.5
4 11	12 12.77	+ 2 24.5	1.751	2.715	7.1	20.8
4 21	12 5.73	+ 3 4.4	1.819	2.729	11.0	21.1
5 1	12 0.78	+ 3 28.2	1.911	2.743	14.3	21.3
9620 Ericidle			3 27.4 89°.16		3°.0/25.1 18	R
2 21	12 53.84	+ 1 29.9	1.402	2.246	16.7	18.0
3 2	12 48.58	+ 2 19.7	1.347	2.264	12.4	17.8
3 12	12 40.66	+ 3 19.1	1.315	2.281	7.7	17.5
3 22	12 31.01	+ 4 20.2	1.308	2.299	3.5	17.3
4 1	12 20.88	+ 5 14.2	1.327	2.316	4.8	17.4
4 11	12 11.65	+ 5 53.6	1.373	2.333	9.2	17.7
4 21	12 4.37	+ 6 13.9	1.442	2.349	13.5	18.0
5 1	11 59.69	+ 6 13.8	1.532	2.365	17.1	18.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
502021 2015 AW_{81}			3 27.4 106°.04		0°.2/27.6 17	
	h m	° ′			°	m
2 21	12 48.20	− 5 57.0	1.844	2.664	14.3	21.9
3 2	12 44.03	− 5 28.5	1.763	2.664	10.9	21.6
3 12	12 37.75	− 4 45.6	1.705	2.664	7.0	21.4
3 22	12 30.00	− 3 52.1	1.672	2.664	2.6	21.1
4 1	12 21.67	− 2 53.8	1.668	2.665	2.0	21.1
4 11	12 13.80	− 1 57.7	1.691	2.665	6.4	21.4
4 21	12 7.27	− 1 9.8	1.741	2.665	10.5	21.6
5 1	12 2.74	− 0 35.0	1.813	2.665	14.0	21.8
292683 2006 UB_{93}			3 27.4 156°.14		0°.9/26.2 18	
2 21	12 46.58	− 1 28.5	3.060	3.871	9.4	22.0
3 2	12 41.94	− 0 53.2	2.979	3.879	7.0	21.8
3 12	12 36.03	− 0 11.6	2.925	3.886	4.3	21.7
3 22	12 29.30	+ 0 33.4	2.900	3.893	1.5	21.5
4 1	12 22.28	+ 1 17.9	2.906	3.899	2.0	21.5
4 11	12 15.55	+ 1 58.2	2.943	3.905	4.7	21.7
4 21	12 9.64	+ 2 31.3	3.008	3.910	7.4	21.9
5 1	12 4.95	+ 2 54.9	3.098	3.915	9.7	22.1
93993 2000 XX_{17}			3 27.4 107°.16		1°.2/28.5 18	
2 21	12 53.01	− 7 10.0	2.087	2.886	13.6	20.3
3 2	12 47.29	− 7 11.7	2.014	2.902	10.5	20.1
3 12	12 39.60	− 7 1.4	1.966	2.917	6.8	19.9
3 22	12 30.62	− 6 41.3	1.944	2.933	2.9	19.7
4 1	12 21.21	− 6 15.1	1.952	2.948	1.9	19.6
4 11	12 12.33	− 5 47.6	1.989	2.963	5.6	19.9
4 21	12 4.80	− 5 23.1	2.053	2.977	9.2	20.1
5 1	11 59.19	− 5 5.7	2.142	2.991	12.3	20.4
210924 2001 ST_{353}			3 27.4 83°.25		3°.8/24.0 18	
2 21	12 56.43	+10 0.0	2.333	3.156	11.6	19.9
3 2	12 49.48	+10 11.6	2.274	3.176	8.7	19.8
3 12	12 40.78	+10 21.7	2.240	3.196	5.8	19.6
3 22	12 30.98	+10 25.8	2.236	3.215	3.9	19.5
4 1	12 20.95	+10 20.5	2.262	3.235	4.8	19.6
4 11	12 11.55	+10 3.3	2.317	3.254	7.4	19.8
4 21	12 3.50	+ 9 33.8	2.400	3.273	10.2	20.0
5 1	11 57.29	+ 8 52.5	2.506	3.292	12.6	20.2
501484 2014 CR_{4}			3 27.4 93°.50		0°.7/26.6 17	
2 21	12 47.15	− 3 6.2	2.380	3.197	11.6	22.1
3 2	12 42.64	− 2 25.3	2.313	3.215	8.7	21.9
3 12	12 36.58	− 1 35.1	2.272	3.233	5.3	21.8
3 22	12 29.52	− 0 40.0	2.258	3.251	1.8	21.6
4 1	12 22.16	+ 0 15.3	2.275	3.269	2.1	21.6
4 11	12 15.24	+ 1 5.4	2.320	3.286	5.5	21.9
4 21	12 9.40	+ 1 46.4	2.393	3.303	8.7	22.1
5 1	12 5.11	+ 2 15.4	2.490	3.320	11.4	22.3
443854 2001 RM_{51}			3 27.4 100°.02		1°.0/28.3 16	
2 21	12 58.43	− 7 39.8	1.841	2.636	15.4	22.4
3 2	12 51.34	− 7 21.0	1.786	2.671	11.7	22.2
3 12	12 42.07	− 6 47.6	1.754	2.706	7.5	22.0
3 22	12 31.46	− 6 3.3	1.750	2.740	3.1	21.8
4 1	12 20.59	− 5 13.5	1.776	2.772	1.9	21.8
4 11	12 10.57	− 4 24.7	1.831	2.803	6.1	22.1
4 21	12 2.25	− 3 42.5	1.913	2.833	10.0	22.4
5 1	11 56.21	− 3 11.2	2.020	2.862	13.2	22.7
505210 2012 TO_{254}			3 27.4 45°.11		4°.5/ 1.1 17	
2 21	12 48.35	−17 21.5	2.158	2.919	14.4	21.2
3 2	12 43.98	−17 40.2	2.070	2.922	11.8	21.0
3 12	12 37.66	−17 40.7	2.005	2.925	8.9	20.8
3 22	12 29.98	−17 23.0	1.964	2.928	6.0	20.7
4 1	12 21.73	−16 49.0	1.950	2.931	4.5	20.6
4 11	12 13.87	−16 3.4	1.964	2.935	5.9	20.7
4 21	12 7.19	−15 12.2	2.005	2.938	8.8	20.8
5 1	12 2.34	−14 21.5	2.070	2.942	11.8	21.0
344374 2001 XO_{154}			3 27.4 120°.71		4°.4/21.9 18	
2 21	12 47.53	+10 21.8	2.454	3.293	10.6	20.7
3 2	12 42.94	+11 18.4	2.390	3.300	8.0	20.5
3 12	12 36.78	+12 15.1	2.351	3.306	5.6	20.4
3 22	12 29.60	+13 6.1	2.340	3.313	4.4	20.3
4 1	12 22.09	+13 46.2	2.359	3.320	5.6	20.4
4 11	12 15.00	+14 11.5	2.405	3.326	8.0	20.6
4 21	12 8.96	+14 20.3	2.476	3.332	10.5	20.7
5 1	12 4.46	+14 12.2	2.569	3.338	12.8	20.9
131795 2002 AU_{50}			3 27.4 118°.75		0°.9/28.2 18	
2 21	12 53.43	− 7 46.3	1.727	2.535	15.7	21.3
3 2	12 47.95	− 7 21.3	1.659	2.552	12.0	21.1
3 12	12 40.17	− 6 40.0	1.614	2.569	7.7	20.8
3 22	12 30.86	− 5 46.3	1.595	2.585	3.1	20.6
4 1	12 21.07	− 4 46.2	1.604	2.601	2.0	20.5
4 11	12 11.95	− 3 47.2	1.642	2.616	6.5	20.9
4 21	12 4.45	− 2 55.9	1.705	2.630	10.7	21.1
5 1	11 59.20	− 2 17.3	1.792	2.644	14.2	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
514379 2016 RP_{27}			3 27.4 244°.07	9°.6/ 7.4 18		
	h m	° ′			°	m
2 21	12 53.09	−34 25.7	2.584	3.208	15.3	21.1
3 2	12 47.74	−35 43.7	2.487	3.206	13.9	21.0
3 12	12 40.19	−36 40.7	2.408	3.205	12.3	20.9
3 22	12 30.95	−37 12.7	2.351	3.203	10.8	20.8
4 1	12 20.88	−37 17.5	2.317	3.201	9.8	20.7
4 11	12 10.99	−36 56.3	2.308	3.199	9.7	20.7
4 21	12 2.27	−36 13.4	2.324	3.197	10.5	20.7
5 1	11 55.49	−35 15.3	2.363	3.195	11.9	20.8
292859 2006 UK_{361}			3 27.4 67°.09	7°.9/20.5 18		
2 21	12 51.54	+14 13.2	1.539	2.393	14.9	20.1
3 2	12 46.67	+15 39.3	1.496	2.410	11.6	19.9
3 12	12 39.38	+17 0.8	1.477	2.427	8.8	19.8
3 22	12 30.55	+18 7.5	1.483	2.444	7.9	19.8
4 1	12 21.37	+18 50.9	1.515	2.462	9.5	19.9
4 11	12 13.04	+19 6.5	1.570	2.479	12.3	20.1
4 21	12 6.50	+18 54.2	1.648	2.496	15.3	20.3
5 1	12 2.34	+18 16.9	1.744	2.513	17.9	20.5
190422 1999 VG_{92}			3 27.4 201°.36	1°.6/29.5 17		
2 21	12 47.34	−11 50.2	2.556	3.336	12.0	21.6
3 2	12 42.90	−11 14.8	2.458	3.332	9.4	21.4
3 12	12 36.84	−10 24.2	2.383	3.327	6.4	21.2
3 22	12 29.66	− 9 20.5	2.337	3.321	3.2	21.0
4 1	12 22.03	− 8 8.1	2.320	3.315	1.9	20.9
4 11	12 14.69	− 6 52.4	2.333	3.308	4.8	21.0
4 21	12 8.31	− 5 39.3	2.375	3.301	8.0	21.2
5 1	12 3.42	− 4 34.0	2.443	3.293	10.9	21.4
289282 2004 XB_{167}			3 27.4 121°.78	4°.6/22.8 18		
2 21	12 53.90	+ 7 13.8	1.942	2.776	13.1	21.3
3 2	12 47.94	+ 8 30.7	1.889	2.799	9.8	21.2
3 12	12 39.98	+ 9 50.0	1.862	2.821	6.5	21.0
3 22	12 30.75	+11 4.2	1.863	2.842	4.6	20.9
4 1	12 21.20	+12 5.7	1.893	2.862	6.0	21.0
4 11	12 12.35	+12 49.0	1.951	2.881	9.0	21.3
4 21	12 4.99	+13 11.7	2.034	2.899	12.1	21.5
5 1	11 59.67	+13 14.0	2.139	2.916	14.7	21.7
395282 2010 VR_{103}			3 27.4 230°.84	4°.5/ 3.2 17		
2 21	12 44.10	−22 53.7	3.022	3.737	11.7	21.0
3 2	12 40.33	−22 48.9	2.919	3.733	9.8	20.8
3 12	12 35.17	−22 27.0	2.837	3.729	7.8	20.7
3 22	12 29.06	−21 48.0	2.781	3.724	5.7	20.5
4 1	12 22.55	−20 53.8	2.753	3.720	4.5	20.4
4 11	12 16.29	−19 48.0	2.754	3.716	5.0	20.5
4 21	12 10.85	−18 35.6	2.783	3.711	6.9	20.6
5 1	12 6.69	−17 21.9	2.838	3.707	9.0	20.7
138664 2000 RK_{93}			3 27.4 164°.19	0°.6/28.1 18		
2 21	12 49.20	− 5 48.6	2.595	3.395	11.2	20.2
3 2	12 44.19	− 5 44.3	2.508	3.397	8.6	20.0
3 12	12 37.60	− 5 30.7	2.446	3.400	5.5	19.8
3 22	12 29.92	− 5 10.1	2.411	3.402	2.2	19.6
4 1	12 21.84	− 4 45.5	2.407	3.403	1.5	19.6
4 11	12 14.08	− 4 20.6	2.432	3.405	4.8	19.8
4 21	12 7.30	− 3 59.2	2.486	3.407	7.9	20.0
5 1	12 2.02	− 3 44.1	2.565	3.408	10.7	20.2
375318 2008 RO_{79}			3 27.4 168°.97	0°.9/26.4 17		
2 21	12 50.03	− 1 42.2	2.413	3.228	11.5	21.5
3 2	12 44.88	− 1 14.0	2.331	3.232	8.7	21.3
3 12	12 38.06	− 0 37.7	2.274	3.235	5.4	21.1
3 22	12 30.09	+ 0 3.1	2.245	3.238	1.9	20.8
4 1	12 21.71	+ 0 44.0	2.246	3.240	2.3	20.9
4 11	12 13.71	+ 1 20.1	2.277	3.242	5.7	21.1
4 21	12 6.78	+ 1 47.9	2.336	3.243	9.0	21.3
5 1	12 1.46	+ 2 4.6	2.419	3.244	11.8	21.5
192843 1999 VM_{148}			3 27.4 182°.71	2°.0/29.6 17		
2 21	12 47.74	−11 15.6	2.138	2.930	13.6	20.4
3 2	12 43.48	−10 57.2	2.049	2.930	10.7	20.2
3 12	12 37.33	−10 22.5	1.984	2.930	7.2	20.0
3 22	12 29.87	− 9 33.8	1.945	2.930	3.6	19.7
4 1	12 21.90	− 8 35.2	1.934	2.929	2.2	19.6
4 11	12 14.30	− 7 32.9	1.952	2.929	5.4	19.8
4 21	12 7.86	− 6 33.0	1.998	2.928	9.0	20.0
5 1	12 3.19	− 5 41.0	2.067	2.927	12.3	20.2
171977 2001 TO_{134}			3 27.4 98°.71	4°.1/ 1.8 18		
2 21	12 48.97	−19 36.2	2.675	3.408	12.6	21.0
3 2	12 43.94	−19 37.8	2.601	3.433	10.3	20.9
3 12	12 37.38	−19 22.3	2.550	3.457	7.8	20.8
3 22	12 29.83	−18 50.7	2.524	3.481	5.4	20.7
4 1	12 21.97	−18 5.2	2.528	3.504	4.1	20.6
4 11	12 14.55	−17 10.3	2.560	3.527	5.0	20.7
4 21	12 8.17	−16 11.0	2.621	3.550	7.2	20.9
5 1	12 3.30	−15 12.7	2.709	3.571	9.6	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
210913 2001 SU_{250}			3 27.5 48°.08	1°.8/29.7 18		
	h m	° ′			°	m
2 21	12 44.77	−15 2.3	1.881	2.670	15.3	19.8
3 2	12 41.22	−13 35.2	1.819	2.698	11.9	19.7
3 12	12 35.83	−11 44.8	1.781	2.726	8.0	19.5
3 22	12 29.29	− 9 36.8	1.769	2.754	3.9	19.3
4 1	12 22.47	− 7 20.3	1.787	2.783	2.0	19.2
4 11	12 16.27	− 5 5.8	1.834	2.812	5.6	19.5
4 21	12 11.40	− 3 2.8	1.910	2.841	9.3	19.8
5 1	12 8.34	− 1 18.0	2.011	2.870	12.6	20.1
351534 2005 SM_{194}			3 27.5 179°.45	0°.4/28.1 17		
2 21	12 45.75	− 6 53.0	2.975	3.771	10.0	21.8
3 2	12 41.44	− 6 24.3	2.885	3.772	7.7	21.6
3 12	12 35.80	− 5 45.9	2.820	3.773	4.9	21.5
3 22	12 29.28	− 5 0.2	2.783	3.773	1.9	21.2
4 1	12 22.42	− 4 10.8	2.777	3.773	1.3	21.2
4 11	12 15.83	− 3 21.8	2.801	3.773	4.3	21.4
4 21	12 10.04	− 2 37.0	2.854	3.772	7.1	21.6
5 1	12 5.50	− 1 59.7	2.932	3.771	9.6	21.8
209176 2003 UJ_{140}			3 27.5 254°.72	2°.4/24.9 16		
2 21	12 48.60	− 1 16.9	1.776	2.610	14.2	21.0
3 2	12 44.61	− 0 0.1	1.681	2.593	10.7	20.8
3 12	12 38.32	+ 1 32.3	1.609	2.574	6.6	20.5
3 22	12 30.31	+ 3 13.5	1.564	2.555	2.8	20.2
4 1	12 21.51	+ 4 54.4	1.547	2.536	4.2	20.2
4 11	12 13.01	+ 6 25.0	1.559	2.516	8.6	20.5
4 21	12 5.84	+ 7 37.8	1.596	2.496	12.9	20.7
5 1	12 0.77	+ 8 27.9	1.654	2.475	16.6	20.8
453357 2009 AV_{13}			3 27.5 89°.70	1°.5/28.7 18		
2 21	12 52.79	− 9 26.2	1.518	2.330	17.3	22.2
3 2	12 47.71	− 9 3.0	1.457	2.351	13.3	21.9
3 12	12 40.12	− 8 20.3	1.418	2.372	8.7	21.7
3 22	12 30.87	− 7 22.0	1.403	2.392	3.8	21.5
4 1	12 21.16	− 6 14.9	1.416	2.412	2.3	21.4
4 11	12 12.24	− 5 7.9	1.456	2.432	6.8	21.8
4 21	12 5.12	− 4 8.6	1.521	2.452	11.3	22.1
5 1	12 0.45	− 3 23.1	1.608	2.470	15.0	22.3
84470 2002 TB_{260}			3 27.5 51°.64	7°.2/22.6 18		
2 21	12 56.44	+13 40.6	1.462	2.311	15.9	19.2
3 2	12 50.48	+14 20.0	1.412	2.324	12.3	19.0
3 12	12 41.84	+14 54.2	1.384	2.337	8.9	18.8
3 22	12 31.48	+15 15.0	1.380	2.351	7.2	18.8
4 1	12 20.70	+15 15.3	1.402	2.365	8.5	18.9
4 11	12 10.90	+14 52.0	1.450	2.379	11.6	19.1
4 21	12 3.11	+14 5.8	1.520	2.393	15.0	19.3
5 1	11 57.98	+12 59.9	1.610	2.407	18.0	19.6
522349 2016 CT_{297}			3 27.5 29°.94	5°.7/31.4 18		
2 21	12 53.39	−15 10.3	1.520	2.308	18.3	20.1
3 2	12 48.55	−16 6.0	1.444	2.314	15.0	19.9
3 12	12 40.92	−16 41.6	1.389	2.320	11.1	19.6
3 22	12 31.27	−16 55.2	1.357	2.327	7.4	19.4
4 1	12 20.77	−16 47.8	1.350	2.334	5.7	19.3
4 11	12 10.86	−16 24.2	1.369	2.341	7.8	19.5
4 21	12 2.73	−15 51.7	1.413	2.349	11.5	19.7
5 1	11 57.26	−15 18.3	1.478	2.358	15.1	19.9
461347 1995 UL_{40}			3 27.5 124°.73	0°.1/27.5 18		
2 21	12 53.31	− 4 22.8	1.752	2.570	15.0	21.1
3 2	12 47.92	− 4 9.9	1.679	2.579	11.4	20.9
3 12	12 40.22	− 3 44.7	1.629	2.588	7.2	20.7
3 22	12 30.93	− 3 10.6	1.605	2.597	2.6	20.4
4 1	12 21.09	− 2 33.1	1.609	2.605	2.1	20.4
4 11	12 11.85	− 1 58.3	1.641	2.613	6.7	20.7
4 21	12 4.16	− 1 31.3	1.699	2.621	10.9	20.9
5 1	11 58.69	− 1 16.1	1.780	2.628	14.5	21.2
454107 2013 CE_{12}			3 27.5 93°.10	2°.3/25.7 18		
2 21	12 53.54	− 0 9.2	1.415	2.256	16.8	21.4
3 2	12 48.42	+ 0 34.5	1.357	2.271	12.5	21.2
3 12	12 40.64	+ 1 29.6	1.320	2.286	7.7	20.9
3 22	12 31.08	+ 2 29.0	1.309	2.301	3.1	20.7
4 1	12 21.01	+ 3 24.2	1.324	2.316	4.1	20.8
4 11	12 11.78	+ 4 7.3	1.366	2.330	8.8	21.1
4 21	12 4.45	+ 4 33.1	1.431	2.344	13.2	21.4
5 1	11 59.72	+ 4 39.4	1.518	2.358	16.9	21.7
221211 2005 UC_{80}			3 27.5 164°.03	1°.4/29.1 16		
2 21	12 48.65	−10 50.5	2.419	3.203	12.4	21.1
3 2	12 43.90	−10 13.5	2.331	3.209	9.6	20.9
3 12	12 37.47	− 9 21.3	2.269	3.215	6.4	20.7
3 22	12 29.92	− 8 16.9	2.233	3.220	3.0	20.5
4 1	12 21.95	− 7 4.8	2.228	3.224	1.7	20.4
4 11	12 14.36	− 5 51.0	2.253	3.228	5.0	20.6
4 21	12 7.83	− 4 41.3	2.306	3.231	8.3	20.8
5 1	12 2.89	− 3 40.7	2.385	3.233	11.3	21.0

186025 2001 QU_{215} 3 27.5 195°.55 1°.3/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 49.56	− 1 53.8	2.278	3.096	12.0	21.9
3 2	12 44.70	− 1 6.5	2.191	3.093	9.0	21.7
3 12	12 38.05	− 0 9.1	2.128	3.090	5.6	21.4
3 22	12 30.15	+ 0 53.8	2.094	3.086	2.0	21.2
4 1	12 21.76	+ 1 56.6	2.089	3.081	2.7	21.2
4 11	12 13.72	+ 2 53.4	2.114	3.076	6.3	21.5
4 21	12 6.78	+ 3 39.4	2.166	3.070	9.8	21.7
5 1	12 1.52	+ 4 11.3	2.242	3.064	12.8	21.8

491851 2013 AL_{98} 3 27.5 138°.40 3°.9/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.06	+ 4 16.0	1.600	2.439	15.2	21.8
3 2	12 49.36	+ 5 10.3	1.536	2.450	11.4	21.6
3 12	12 41.16	+ 6 11.1	1.496	2.460	7.2	21.4
3 22	12 31.28	+ 7 10.7	1.483	2.470	4.0	21.2
4 1	12 20.87	+ 8 0.8	1.496	2.479	5.4	21.3
4 11	12 11.19	+ 8 34.8	1.537	2.487	9.4	21.5
4 21	12 3.27	+ 8 49.2	1.603	2.495	13.3	21.8
5 1	11 57.79	+ 8 43.2	1.689	2.502	16.6	22.0

363868 2005 RB_{52} 3 27.5 182°.75 4°.5/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.94	−22 49.9	3.003	3.714	11.8	21.1
3 2	12 41.71	−22 46.2	2.902	3.715	9.9	20.9
3 12	12 36.05	−22 25.3	2.824	3.715	7.8	20.8
3 22	12 29.41	−21 47.3	2.771	3.714	5.8	20.6
4 1	12 22.38	−20 54.1	2.747	3.714	4.5	20.5
4 11	12 15.62	−19 49.2	2.751	3.713	5.1	20.6
4 21	12 9.72	−18 37.8	2.784	3.711	6.9	20.7
5 1	12 5.14	−17 25.1	2.844	3.709	9.1	20.8

136059 2002 XV_{55} 3 27.5 126°.67 5°.3/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.52	−22 49.3	2.500	3.221	13.7	19.6
3 2	12 43.15	−23 0.2	2.410	3.228	11.5	19.5
3 12	12 37.07	−22 51.5	2.342	3.234	9.1	19.3
3 22	12 29.80	−22 22.8	2.298	3.241	6.8	19.2
4 1	12 22.07	−21 36.0	2.281	3.247	5.4	19.1
4 11	12 14.69	−20 35.3	2.292	3.253	6.0	19.1
4 21	12 8.37	−19 26.4	2.331	3.259	8.0	19.3
5 1	12 3.68	−18 15.9	2.395	3.264	10.4	19.4

293794 2007 RO_{140} 3 27.5 290°.73 0°.7/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.63	− 7 25.6	1.444	2.273	17.1	21.0
3 2	12 45.30	− 6 58.1	1.343	2.248	13.4	20.7
3 12	12 39.15	− 6 9.2	1.262	2.222	8.7	20.3
3 22	12 30.75	− 5 1.9	1.205	2.196	3.5	19.9
4 1	12 21.17	− 3 42.9	1.173	2.170	2.4	19.8
4 11	12 11.80	− 2 22.2	1.168	2.144	8.2	20.1
4 21	12 3.99	− 1 10.2	1.186	2.118	13.6	20.3
5 1	11 58.79	− 0 15.2	1.225	2.093	18.4	20.5

330025 2005 UT_{125} 3 27.5 299°.64 2°.3/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.10	+ 1 2.4	1.633	2.474	14.9	20.5
3 2	12 45.99	+ 1 30.2	1.537	2.452	11.3	20.2
3 12	12 39.34	+ 2 7.9	1.464	2.430	7.1	19.9
3 22	12 30.75	+ 2 50.3	1.415	2.407	3.0	19.6
4 1	12 21.21	+ 3 30.5	1.394	2.385	4.0	19.6
4 11	12 11.97	+ 4 1.3	1.399	2.363	8.6	19.8
4 21	12 4.17	+ 4 17.4	1.428	2.342	13.2	20.0
5 1	11 58.71	+ 4 15.6	1.479	2.320	17.2	20.2

141294 2001 YK_{90} 3 27.5 134°.49 5°.9/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.85	+18 5.8	2.802	3.634	9.6	20.4
3 2	12 43.03	+19 16.5	2.750	3.645	7.7	20.3
3 12	12 36.79	+20 22.1	2.724	3.656	6.3	20.2
3 22	12 29.64	+21 17.0	2.727	3.666	6.0	20.2
4 1	12 22.23	+21 56.7	2.757	3.676	7.1	20.3
4 11	12 15.23	+22 18.2	2.815	3.686	8.8	20.4
4 21	12 9.20	+22 20.8	2.896	3.695	10.7	20.5
5 1	12 4.59	+22 5.5	2.999	3.704	12.4	20.7

502383 2015 BA_{244} 3 27.5 198°.34 3°.5/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.27	+ 3 45.6	2.083	2.922	12.2	21.7
3 2	12 43.12	+ 5 3.5	2.006	2.920	9.1	21.4
3 12	12 37.11	+ 6 28.6	1.954	2.918	5.8	21.2
3 22	12 29.83	+ 7 54.3	1.930	2.916	3.5	21.1
4 1	12 22.05	+ 9 12.8	1.935	2.913	5.0	21.2
4 11	12 14.68	+10 17.5	1.968	2.910	8.2	21.4
4 21	12 8.48	+11 3.8	2.027	2.907	11.5	21.6
5 1	12 4.04	+11 29.8	2.107	2.903	14.3	21.7

281561 Taitung 3 27.5 129°.08 4°.9/22.4 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.76	+10 33.4	2.168	3.006	11.8	21.2
3 2	12 45.57	+11 24.2	2.104	3.013	9.0	21.0
3 12	12 38.54	+12 14.6	2.065	3.020	6.3	20.9
3 22	12 30.30	+12 58.4	2.053	3.027	4.9	20.8
4 1	12 21.69	+13 30.1	2.070	3.033	6.1	20.9
4 11	12 13.60	+13 45.4	2.115	3.040	8.7	21.0
4 21	12 6.76	+13 42.9	2.184	3.046	11.5	21.2
5 1	12 1.72	+13 22.7	2.275	3.052	14.0	21.4

264588 2001 TY_{190} 3 27.5 87°.21 0°.1/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 52.85	− 4 48.5	1.870	2.683	14.4	21.2
3 2	12 47.27	− 4 29.1	1.810	2.708	10.9	21.0
3 12	12 39.64	− 3 57.8	1.773	2.732	6.8	20.8
3 22	12 30.69	− 3 18.5	1.764	2.756	2.5	20.6
4 1	12 21.40	− 2 36.5	1.783	2.779	2.0	20.6
4 11	12 12.79	− 1 57.7	1.830	2.802	6.2	20.9
4 21	12 5.67	− 1 26.8	1.905	2.825	10.0	21.2
5 1	12 0.61	− 1 7.3	2.002	2.847	13.2	21.4

231455 2007 JY_{8} 3 27.5 150°.30 2°.6/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.93	+ 2 39.4	2.043	2.876	12.6	20.7
3 2	12 45.10	+ 3 19.6	1.968	2.879	9.4	20.5
3 12	12 38.34	+ 4 6.1	1.918	2.882	5.9	20.3
3 22	12 30.27	+ 4 53.7	1.896	2.885	2.8	20.1
4 1	12 21.73	+ 5 36.4	1.902	2.888	3.9	20.2
4 11	12 13.66	+ 6 8.9	1.936	2.891	7.4	20.4
4 21	12 6.85	+ 6 27.6	1.996	2.893	10.8	20.6
5 1	12 1.90	+ 6 30.8	2.079	2.896	13.8	20.8

78760 2002 UP_{6} 3 27.5 121°.05 4°.7/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.69	+10 52.3	2.331	3.168	11.1	19.8
3 2	12 44.64	+11 45.1	2.269	3.177	8.4	19.7
3 12	12 37.90	+12 37.1	2.232	3.187	5.9	19.5
3 22	12 30.07	+13 22.8	2.224	3.196	4.7	19.5
4 1	12 21.91	+13 56.6	2.244	3.205	5.9	19.5
4 11	12 14.24	+14 14.9	2.292	3.214	8.3	19.7
4 21	12 7.72	+14 16.0	2.366	3.222	10.9	19.9
5 1	12 2.87	+14 0.2	2.461	3.230	13.2	20.1

379107 2008 YL_{25} 3 27.5 43°.08 6°.7/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.52	+ 9 51.6	1.588	2.448	14.2	19.6
3 2	12 42.72	+11 56.0	1.560	2.481	10.7	19.4
3 12	12 36.82	+13 58.8	1.557	2.514	7.7	19.3
3 22	12 29.67	+15 48.8	1.580	2.548	6.7	19.3
4 1	12 22.30	+17 16.5	1.630	2.582	8.5	19.5
4 11	12 15.72	+18 15.9	1.705	2.617	11.3	19.7
4 21	12 10.71	+18 46.1	1.802	2.651	14.1	20.0
5 1	12 7.76	+18 49.0	1.919	2.686	16.5	20.2

127207 2002 HC_{10} 3 27.5 318°.44 1°.2/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.25	−10 22.3	1.836	2.645	14.8	19.8
3 2	12 41.92	− 9 38.0	1.748	2.641	11.5	19.5
3 12	12 36.53	− 8 33.7	1.683	2.636	7.6	19.3
3 22	12 29.68	− 7 13.1	1.643	2.632	3.4	19.0
4 1	12 22.23	− 5 42.8	1.632	2.628	1.9	18.9
4 11	12 15.19	− 4 11.2	1.648	2.625	6.2	19.2
4 21	12 9.42	− 2 46.8	1.690	2.621	10.3	19.4
5 1	12 5.60	− 1 36.2	1.756	2.618	14.0	19.6

240059 2001 XT_{13} 3 27.5 168°.91 1°.1/26.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.45	− 0 25.6	3.103	3.915	9.3	21.8
3 2	12 42.63	+ 0 5.6	3.019	3.919	6.9	21.7
3 12	12 36.53	+ 0 42.5	2.962	3.923	4.3	21.5
3 22	12 29.58	+ 1 22.0	2.934	3.926	1.6	21.3
4 1	12 22.33	+ 2 0.7	2.938	3.929	2.1	21.4
4 11	12 15.37	+ 2 34.8	2.971	3.932	4.8	21.5
4 21	12 9.21	+ 3 1.7	3.034	3.934	7.4	21.7
5 1	12 4.26	+ 3 19.3	3.121	3.935	9.7	21.9

74053 1998 JV_{3} 3 27.5 242°.94 4°.7/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.43	+ 6 15.2	1.740	2.586	13.9	19.8
3 2	12 45.94	+ 7 23.7	1.660	2.576	10.5	19.5
3 12	12 39.12	+ 8 38.4	1.604	2.567	6.9	19.3
3 22	12 30.63	+ 9 51.4	1.574	2.557	4.7	19.1
4 1	12 21.44	+10 54.0	1.572	2.547	6.3	19.2
4 11	12 12.71	+11 38.8	1.597	2.537	9.9	19.4
4 21	12 5.42	+12 1.7	1.645	2.526	13.6	19.6
5 1	12 0.32	+12 1.5	1.714	2.515	16.9	19.8

503419 2016 DZ_{24} 3 27.5 7°.14 2°.5/25.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.76	− 0 22.3	1.289	2.146	17.1	20.9
3 2	12 43.70	+ 0 26.3	1.223	2.146	12.8	20.6
3 12	12 37.92	+ 1 28.7	1.178	2.147	7.9	20.4
3 22	12 30.22	+ 2 37.3	1.157	2.149	3.2	20.1
4 1	12 21.81	+ 3 42.4	1.160	2.152	4.5	20.2
4 11	12 14.07	+ 4 34.4	1.188	2.155	9.4	20.5
4 21	12 8.15	+ 5 6.9	1.239	2.160	14.1	20.7
5 1	12 4.82	+ 5 16.7	1.309	2.165	18.2	21.0

30549 2001 OE_{46} 3 27.5 138°.42 1°.3/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.18	− 1 50.8	2.223	3.041	12.3	19.9
3 2	12 45.08	− 0 59.8	2.152	3.055	9.2	19.7
3 12	12 38.23	+ 0 0.7	2.106	3.068	5.6	19.5
3 22	12 30.21	+ 1 5.8	2.088	3.080	2.1	19.3
4 1	12 21.83	+ 2 9.7	2.100	3.092	2.7	19.3
4 11	12 13.93	+ 3 6.5	2.141	3.103	6.3	19.6
4 21	12 7.22	+ 3 51.6	2.210	3.113	9.6	19.8
5 1	12 2.22	+ 4 22.3	2.302	3.123	12.5	20.0

123324 2000 VA_{20} 3 27.5 139°.18 0°.4/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 48.52	− 6 34.0	2.002	2.814	13.7	20.4
3 2	12 44.13	− 6 3.1	1.922	2.819	10.4	20.2
3 12	12 37.78	− 5 18.3	1.865	2.823	6.6	20.0
3 22	12 30.09	− 4 23.3	1.835	2.827	2.5	19.7
4 1	12 21.91	− 3 23.5	1.834	2.831	1.8	19.7
4 11	12 14.18	− 2 25.4	1.861	2.834	6.0	20.0
4 21	12 7.69	− 1 34.8	1.915	2.838	9.8	20.2
5 1	12 3.07	− 0 56.2	1.992	2.841	13.1	20.4

501089 2013 SK_{71} 3 27.5 192°.36 1°.4/26.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.57	− 0 1.0	2.420	3.236	11.5	22.1
3 2	12 46.11	+ 0 27.1	2.332	3.234	8.6	21.9
3 12	12 38.90	+ 1 2.3	2.270	3.231	5.3	21.7
3 22	12 30.49	+ 1 40.7	2.236	3.228	2.0	21.4
4 1	12 21.60	+ 2 18.0	2.233	3.224	2.6	21.5
4 11	12 13.06	+ 2 49.3	2.259	3.220	6.0	21.7
4 21	12 5.59	+ 3 11.4	2.313	3.215	9.3	21.9
5 1	11 59.77	+ 3 21.8	2.391	3.209	12.2	22.1

383763 2007 VL_{232} 3 27.5 63°.93 3°.5/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.04	−16 21.3	2.181	2.951	14.0	20.7
3 2	12 42.19	−16 9.3	2.097	2.958	11.3	20.6
3 12	12 36.54	−15 38.3	2.035	2.964	8.2	20.4
3 22	12 29.66	−14 49.5	1.998	2.970	5.1	20.2
4 1	12 22.31	−13 46.7	1.988	2.977	3.5	20.1
4 11	12 15.36	−12 35.6	2.007	2.983	5.4	20.2
4 21	12 9.56	−11 23.0	2.054	2.990	8.5	20.4
5 1	12 5.48	−10 15.5	2.125	2.996	11.5	20.6

204620 2005 LD_{38} 3 27.5 80°.06 6°.0/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.65	+13 30.6	2.150	2.995	11.6	20.0
3 2	12 43.31	+14 44.8	2.090	3.000	9.0	19.8
3 12	12 37.18	+15 57.0	2.056	3.005	6.8	19.7
3 22	12 29.86	+16 59.9	2.049	3.010	6.1	19.6
4 1	12 22.16	+17 47.1	2.069	3.015	7.4	19.7
4 11	12 14.94	+18 14.1	2.115	3.020	9.8	19.9
4 21	12 8.93	+18 19.6	2.185	3.024	12.3	20.0
5 1	12 4.66	+18 4.2	2.276	3.029	14.6	20.2

238357 2004 CK_{5} 3 27.5 350°.52 5°.6/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.32	+10 31.6	1.988	2.838	12.2	19.9
3 2	12 42.50	+11 49.5	1.921	2.836	9.3	19.7
3 12	12 36.77	+13 8.5	1.878	2.835	6.7	19.5
3 22	12 29.74	+14 20.9	1.863	2.834	5.6	19.5
4 1	12 22.25	+15 19.2	1.875	2.833	7.1	19.5
4 11	12 15.21	+15 57.9	1.913	2.832	9.8	19.7
4 21	12 9.41	+16 14.4	1.975	2.832	12.8	19.9
5 1	12 5.43	+16 8.6	2.057	2.831	15.4	20.1

402999 2007 VJ_{264} 3 27.5 191°.89 0°.3/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.20	− 4 21.8	2.016	2.828	13.6	22.4
3 2	12 46.95	− 3 50.6	1.929	2.826	10.3	22.1
3 12	12 39.61	− 3 6.9	1.865	2.824	6.5	21.9
3 22	12 30.79	− 2 14.8	1.829	2.822	2.3	21.6
4 1	12 21.37	− 1 19.6	1.822	2.818	2.2	21.6
4 11	12 12.37	− 0 27.8	1.844	2.814	6.4	21.9
4 21	12 4.66	+ 0 15.2	1.894	2.809	10.3	22.1
5 1	11 58.90	+ 0 45.4	1.966	2.803	13.7	22.3

165242 2000 SS_{140} 3 27.5 278°.66 2°.1/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.59	−10 55.9	1.548	2.360	17.0	19.8
3 2	12 45.05	−10 34.2	1.449	2.342	13.4	19.5
3 12	12 38.87	− 9 49.7	1.371	2.323	9.1	19.2
3 22	12 30.65	− 8 44.3	1.318	2.305	4.4	18.9
4 1	12 21.43	− 7 23.7	1.290	2.286	2.6	18.7
4 11	12 12.51	− 5 57.2	1.289	2.268	7.2	19.0
4 21	12 5.10	− 4 34.8	1.313	2.249	12.2	19.2
5 1	12 0.14	− 3 25.5	1.358	2.230	16.7	19.4

258986 2002 TP_{28} 3 27.5 268°.75 3°.4/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.22	+ 4 58.4	1.785	2.618	14.1	20.7
3 2	12 49.69	+ 5 22.6	1.688	2.598	10.8	20.4
3 12	12 41.61	+ 5 51.6	1.614	2.577	6.9	20.1
3 22	12 31.60	+ 6 19.9	1.568	2.556	3.7	19.9
4 1	12 20.68	+ 6 41.2	1.549	2.534	4.9	19.9
4 11	12 10.07	+ 6 49.7	1.558	2.512	8.9	20.1
4 21	12 0.91	+ 6 42.2	1.593	2.490	13.1	20.3
5 1	11 54.05	+ 6 17.3	1.649	2.467	16.8	20.4

143021 2002 VG_{110} 3 27.5 167°.68 4°.0/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.02	+ 8 3.3	2.384	3.214	11.2	20.4
3 2	12 46.40	+ 9 0.7	2.313	3.220	8.4	20.2
3 12	12 39.05	+ 9 59.9	2.267	3.225	5.6	20.1
3 22	12 30.55	+10 55.4	2.251	3.229	4.0	20.0
4 1	12 21.65	+11 41.2	2.264	3.233	5.2	20.1
4 11	12 13.20	+12 13.1	2.306	3.236	7.9	20.2
4 21	12 5.89	+12 28.6	2.374	3.238	10.6	20.4
5 1	12 0.27	+12 27.2	2.465	3.239	13.1	20.6

378707 2008 PP_{6} 3 27.5 193°.72 4°.0/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 49.81	+ 8 35.9	2.538	3.369	10.5	21.8
3 2	12 44.72	+ 9 33.9	2.459	3.367	7.9	21.7
3 12	12 38.00	+10 33.8	2.407	3.364	5.4	21.5
3 22	12 30.18	+11 30.1	2.384	3.361	4.0	21.4
4 1	12 21.94	+12 17.2	2.390	3.356	5.2	21.4
4 11	12 14.06	+12 50.8	2.425	3.351	7.7	21.6
4 21	12 7.19	+13 8.6	2.486	3.346	10.3	21.8
5 1	12 1.87	+13 9.6	2.570	3.340	12.7	21.9

498102 2007 RL_{294} 3 27.5 149°.22 0°.1/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.13	− 4 41.8	2.486	3.294	11.4	22.3
3 2	12 43.46	− 4 15.3	2.405	3.300	8.7	22.1
3 12	12 37.21	− 3 39.0	2.348	3.306	5.4	21.9
3 22	12 29.89	− 2 56.0	2.320	3.312	1.9	21.7
4 1	12 22.19	− 2 10.5	2.321	3.317	1.7	21.6
4 11	12 14.85	− 1 27.4	2.352	3.322	5.1	21.9
4 21	12 8.52	− 0 50.6	2.410	3.326	8.4	22.1
5 1	12 3.71	− 0 23.4	2.494	3.331	11.2	22.3

519496 2012 DT_{104} 3 27.5 279°.69 0°.1/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.99	− 5 0.7	1.700	2.523	15.2	21.8
3 2	12 45.69	− 4 42.5	1.614	2.517	11.6	21.6
3 12	12 39.02	− 4 10.2	1.551	2.511	7.4	21.3
3 22	12 30.64	− 3 27.3	1.513	2.506	2.7	21.0
4 1	12 21.54	− 2 39.5	1.503	2.500	2.2	20.9
4 11	12 12.87	− 1 53.9	1.520	2.494	7.0	21.2
4 21	12 5.65	− 1 16.6	1.562	2.488	11.4	21.4
5 1	12 0.66	− 0 52.4	1.627	2.482	15.2	21.7

457740 2009 HR_{15} 3 27.5 319°.97 1°.7/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.00	− 1 5.3	1.333	2.183	17.0	21.0
3 2	12 45.58	− 0 41.0	1.250	2.169	13.0	20.7
3 12	12 39.30	− 0 3.0	1.187	2.155	8.1	20.4
3 22	12 30.83	+ 0 43.1	1.148	2.142	3.0	20.1
4 1	12 21.36	+ 1 29.4	1.135	2.129	3.7	20.1
4 11	12 12.35	+ 2 7.3	1.146	2.117	9.1	20.3
4 21	12 5.11	+ 2 30.0	1.179	2.105	14.2	20.6
5 1	12 0.58	+ 2 33.3	1.232	2.094	18.7	20.8

222694 2002 AY_{9} 3 27.5 66°.43 5°.5/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.21	−18 3.4	1.735	2.500	17.3	20.0
3 2	12 47.93	−18 35.6	1.671	2.523	14.1	19.8
3 12	12 40.28	−18 45.4	1.628	2.547	10.6	19.7
3 22	12 31.03	−18 32.5	1.608	2.571	7.2	19.5
4 1	12 21.28	−17 59.4	1.615	2.594	5.5	19.5
4 11	12 12.22	−17 12.1	1.648	2.618	7.0	19.6
4 21	12 4.82	−16 18.1	1.708	2.641	10.0	19.8
5 1	11 59.74	−15 25.2	1.790	2.665	13.2	20.1

213861 2003 SX_{133} 3 27.5 122°.99 1°.1/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.71	− 2 30.7	1.805	2.628	14.5	21.2
3 2	12 47.36	− 1 53.8	1.738	2.642	10.9	21.0
3 12	12 39.84	− 1 5.5	1.694	2.656	6.7	20.8
3 22	12 30.86	− 0 10.9	1.677	2.669	2.3	20.5
4 1	12 21.42	+ 0 43.5	1.688	2.682	2.7	20.6
4 11	12 12.61	+ 1 31.0	1.728	2.695	7.0	20.9
4 21	12 5.31	+ 2 6.6	1.794	2.706	11.0	21.1
5 1	12 0.13	+ 2 27.2	1.882	2.717	14.3	21.4

35414 1998 AC_{3} 3 27.5 152°.91 4°.8/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.23	+ 6 37.9	1.731	2.574	14.1	19.5
3 2	12 47.15	+ 7 48.6	1.665	2.580	10.6	19.3
3 12	12 39.78	+ 9 3.9	1.624	2.586	7.0	19.1
3 22	12 30.86	+10 15.5	1.609	2.591	4.8	19.0
4 1	12 21.42	+11 15.2	1.623	2.596	6.3	19.1
4 11	12 12.59	+11 56.3	1.662	2.600	9.8	19.3
4 21	12 5.31	+12 15.4	1.727	2.604	13.3	19.5
5 1	12 0.24	+12 12.4	1.811	2.607	16.3	19.8

292867 2006 VU_{4} 3 27.5 114°.06 2°.7/31.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.41	−14 53.4	2.647	3.412	12.0	20.9
3 2	12 42.13	−14 39.5	2.564	3.424	9.5	20.7
3 12	12 36.35	−14 10.5	2.504	3.435	6.8	20.6
3 22	12 29.58	−13 28.1	2.471	3.446	4.1	20.4
4 1	12 22.47	−12 35.3	2.467	3.457	2.7	20.3
4 11	12 15.71	−11 36.7	2.493	3.468	4.5	20.5
4 21	12 9.90	−10 37.6	2.547	3.478	7.3	20.7
5 1	12 5.52	− 9 42.6	2.626	3.488	9.9	20.9

164298 2004 XY_{181} 3 27.5 62°.03 1°.1/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.62	− 2 32.1	1.363	2.202	17.4	19.6
3 2	12 47.81	− 2 5.0	1.308	2.221	13.0	19.4
3 12	12 40.31	− 1 24.4	1.275	2.239	8.1	19.1
3 22	12 31.06	− 0 36.2	1.265	2.258	2.8	18.9
4 1	12 21.31	+ 0 11.8	1.283	2.278	3.1	18.9
4 11	12 12.45	+ 0 51.7	1.326	2.297	8.1	19.3
4 21	12 5.53	+ 1 17.9	1.393	2.316	12.7	19.6
5 1	12 1.21	+ 1 27.3	1.481	2.336	16.5	19.9

115213 2003 SR_{126} 3 27.5 162°.47 1°.1/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 48.82	− 1 36.8	2.260	3.080	12.0	20.3
3 2	12 44.15	− 1 3.5	2.179	3.083	9.0	20.1
3 12	12 37.72	− 0 21.3	2.124	3.086	5.6	19.9
3 22	12 30.11	+ 0 25.6	2.096	3.088	2.0	19.7
4 1	12 22.06	+ 1 12.3	2.097	3.090	2.5	19.7
4 11	12 14.41	+ 1 53.5	2.128	3.092	6.1	20.0
4 21	12 7.86	+ 2 25.1	2.185	3.094	9.5	20.2
5 1	12 2.99	+ 2 44.4	2.266	3.095	12.4	20.4

244803 2003 SJ_{269} 3 27.5 240°.61 0°.7/28.2 17

2 21	12 48.87	− 6 46.8	2.164	2.971	13.0	21.3
3 2	12 44.38	− 6 31.1	2.071	2.964	10.0	21.1
3 12	12 37.99	− 6 2.9	2.001	2.956	6.5	20.9
3 22	12 30.25	− 5 24.7	1.959	2.949	2.6	20.6
4 1	12 21.93	− 4 40.8	1.945	2.942	1.7	20.5
4 11	12 13.93	− 3 56.5	1.960	2.934	5.6	20.8
4 21	12 7.05	− 3 16.9	2.002	2.926	9.4	21.0
5 1	12 1.94	− 2 46.5	2.068	2.918	12.6	21.2

431268 2006 UF_{77} 3 27.5 265°.73 1°.6/25.9 16

2 21	12 51.19	+ 1 39.7	2.410	3.230	11.4	21.2
3 2	12 45.97	+ 1 53.3	2.309	3.213	8.6	20.9
3 12	12 38.93	+ 2 12.2	2.234	3.196	5.4	20.7
3 22	12 30.59	+ 2 32.9	2.188	3.179	2.2	20.5
4 1	12 21.65	+ 2 51.6	2.171	3.162	2.8	20.5
4 11	12 12.98	+ 3 4.2	2.183	3.144	6.2	20.7
4 21	12 5.31	+ 3 7.7	2.223	3.126	9.6	20.8
5 1	11 59.29	+ 3 0.3	2.287	3.108	12.6	21.0

288611 2004 MS_{7} 3 27.5 276°.10 5°.2/23.1 18

2 21	12 53.65	+ 9 51.8	1.852	2.692	13.4	20.3
3 2	12 48.37	+10 32.0	1.762	2.673	10.3	20.0
3 12	12 40.70	+11 13.2	1.697	2.655	7.1	19.8
3 22	12 31.28	+11 48.6	1.658	2.636	5.2	19.6
4 1	12 21.08	+12 11.2	1.647	2.617	6.6	19.7
4 11	12 11.27	+12 15.8	1.663	2.598	9.9	19.8
4 21	12 2.87	+12 0.1	1.703	2.579	13.5	20.0
5 1	11 56.66	+11 24.2	1.764	2.560	16.7	20.2

87728 2000 SU_{47} 3 27.5 70°.73 6°.9/ 2.9 18

2 21	12 51.70	−22 0.3	1.807	2.551	17.5	19.3
3 2	12 46.93	−22 41.1	1.732	2.564	14.7	19.2
3 12	12 39.77	−22 58.0	1.676	2.577	11.6	19.0
3 22	12 30.92	−22 49.3	1.644	2.590	8.7	18.8
4 1	12 21.42	−22 16.1	1.636	2.603	7.0	18.8
4 11	12 12.46	−21 23.7	1.655	2.617	7.8	18.8
4 21	12 5.07	−20 20.0	1.699	2.630	10.3	19.0
5 1	11 59.96	−19 13.5	1.767	2.643	13.2	19.2

48448 1990 WR_{2} 3 27.5 84°.46 5°.4/22.6 18

2 21	12 53.12	+ 8 47.7	1.715	2.559	14.1	18.0
3 2	12 47.58	+10 0.6	1.672	2.586	10.6	17.8
3 12	12 39.88	+11 14.2	1.653	2.612	7.2	17.7
3 22	12 30.85	+12 19.8	1.661	2.638	5.4	17.6
4 1	12 21.56	+13 10.0	1.697	2.664	6.8	17.8
4 11	12 13.08	+13 39.6	1.759	2.689	9.9	18.0
4 21	12 6.25	+13 47.2	1.845	2.713	13.0	18.3
5 1	12 1.60	+13 33.6	1.952	2.738	15.7	18.5

88881 2001 SW_{278} 3 27.5 109°.38 1°.4/28.8 18

2 21	12 53.47	− 9 52.9	1.686	2.488	16.2	19.7
3 2	12 48.06	− 9 22.3	1.622	2.510	12.5	19.5
3 12	12 40.32	− 8 32.9	1.579	2.531	8.2	19.3
3 22	12 31.06	− 7 28.6	1.563	2.551	3.6	19.0
4 1	12 21.36	− 6 16.1	1.575	2.571	2.1	19.0
4 11	12 12.38	− 5 3.6	1.615	2.590	6.4	19.3
4 21	12 5.06	− 3 58.7	1.681	2.609	10.6	19.6
5 1	12 0.03	− 3 7.1	1.771	2.626	14.2	19.8

415270 2013 CT_{170} 3 27.5 264°.99 1°.0/26.6 17

2 21	12 48.94	− 4 39.6	1.556	2.388	15.9	21.6
3 2	12 45.22	− 3 43.4	1.463	2.372	12.2	21.3
3 12	12 38.94	− 2 27.9	1.392	2.356	7.6	21.0
3 22	12 30.70	− 0 58.8	1.346	2.339	2.7	20.7
4 1	12 21.55	+ 0 35.3	1.328	2.322	3.1	20.7
4 11	12 12.75	+ 2 3.8	1.336	2.305	8.3	20.9
4 21	12 5.46	+ 3 17.4	1.369	2.287	13.2	21.1
5 1	12 0.56	+ 4 10.0	1.422	2.270	17.4	21.4

497743 2006 SJ_{219} 3 27.5 170°.80 0°.6/28.2 17

2 21	12 47.26	− 6 56.1	2.468	3.270	11.7	21.8
3 2	12 42.88	− 6 34.0	2.381	3.272	8.9	21.7
3 12	12 36.90	− 6 0.7	2.319	3.273	5.8	21.5
3 22	12 29.83	− 5 18.7	2.284	3.274	2.3	21.2
4 1	12 22.33	− 4 32.0	2.278	3.275	1.5	21.2
4 11	12 15.17	− 3 45.5	2.302	3.276	5.0	21.4
4 21	12 8.99	− 3 3.7	2.354	3.276	8.2	21.6
5 1	12 4.32	− 2 30.3	2.430	3.277	11.1	21.8

430831 2005 JP_{63} 3 27.5 281°.28 10°.7/10.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 49.32	+30 32.8	2.306	3.121	12.0	20.6
3 2	12 44.96	+32 33.2	2.241	3.095	11.0	20.5
3 12	12 38.49	+34 21.9	2.201	3.069	10.7	20.4
3 22	12 30.47	+35 49.5	2.186	3.042	11.3	20.4
4 1	12 21.77	+36 48.6	2.194	3.015	12.7	20.5
4 11	12 13.39	+37 15.5	2.223	2.988	14.4	20.5
4 21	12 6.25	+37 10.1	2.271	2.960	16.2	20.6
5 1	12 1.05	+36 35.2	2.333	2.932	17.8	20.7

188013 2001 TQ_{124} 3 27.5 137°.36 4°.2/ 1.4 18

2 21	12 49.16	−19 4.2	2.153	2.904	14.8	20.4
3 2	12 44.58	−18 46.8	2.069	2.914	12.1	20.2
3 12	12 38.08	−18 7.7	2.006	2.925	9.0	20.0
3 22	12 30.27	−17 7.9	1.969	2.934	5.9	19.9
4 1	12 21.99	−15 51.3	1.960	2.944	4.2	19.8
4 11	12 14.18	−14 24.3	1.979	2.952	5.7	19.9
4 21	12 7.61	−12 54.8	2.027	2.960	8.7	20.1
5 1	12 2.88	−11 30.2	2.099	2.968	11.7	20.3

111704 2002 CQ_{24} 3 27.5 57°.25 1°.7/29.6 18

2 21	12 45.17	−11 21.6	2.380	3.170	12.4	19.5
3 2	12 41.40	−10 57.2	2.293	3.173	9.7	19.3
3 12	12 36.01	−10 17.9	2.231	3.176	6.6	19.2
3 22	12 29.52	− 9 26.0	2.195	3.179	3.3	18.9
4 1	12 22.61	− 8 25.7	2.187	3.182	1.9	18.8
4 11	12 16.05	− 7 22.4	2.209	3.186	4.8	19.0
4 21	12 10.49	− 6 21.7	2.258	3.189	8.1	19.3
5 1	12 6.47	− 5 28.4	2.333	3.193	11.0	19.4

138693 2000 ST_{59} 3 27.5 244°.35 0°.5/28.1 17

2 21	12 46.14	− 7 5.2	2.614	3.415	11.1	21.0
3 2	12 42.05	− 6 34.0	2.513	3.403	8.5	20.8
3 12	12 36.41	− 5 51.0	2.436	3.391	5.5	20.6
3 22	12 29.68	− 4 59.1	2.388	3.378	2.2	20.4
4 1	12 22.48	− 4 2.1	2.369	3.365	1.5	20.3
4 11	12 15.51	− 3 5.1	2.379	3.352	4.9	20.5
4 21	12 9.42	− 2 12.9	2.418	3.339	8.1	20.7
5 1	12 4.74	− 1 29.5	2.482	3.325	11.0	20.9

42791 1999 AD_{6} 3 27.5 100°.72 3°.5/23.9 18

2 21	12 50.58	+ 3 34.7	1.883	2.721	13.3	19.1
3 2	12 45.61	+ 4 47.5	1.829	2.742	9.9	18.9
3 12	12 38.66	+ 6 6.4	1.799	2.762	6.2	18.8
3 22	12 30.46	+ 7 23.9	1.796	2.782	3.6	18.6
4 1	12 21.92	+ 8 32.5	1.822	2.802	5.0	18.8
4 11	12 14.02	+ 9 25.7	1.876	2.821	8.3	19.0
4 21	12 7.54	+10 0.2	1.955	2.840	11.6	19.2
5 1	12 3.03	+10 14.8	2.056	2.858	14.5	19.5

109546 2001 QP_{256} 3 27.5 165°.44 2°.1/25.2 16

2 21	12 50.62	+ 1 3.4	2.240	3.064	12.0	20.5
3 2	12 45.50	+ 1 50.8	2.163	3.069	8.9	20.3
3 12	12 38.58	+ 2 45.7	2.111	3.074	5.5	20.1
3 22	12 30.46	+ 3 42.9	2.088	3.078	2.4	19.9
4 1	12 21.90	+ 4 36.8	2.094	3.082	3.4	20.0
4 11	12 13.77	+ 5 21.9	2.129	3.085	6.7	20.2
4 21	12 6.80	+ 5 54.4	2.191	3.087	10.0	20.4
5 1	12 1.55	+ 6 12.0	2.276	3.089	12.9	20.6

219772 2001 YX_{137} 3 27.5 72°.83 2°.0/25.9 18

2 21	12 54.85	+ 1 54.3	1.728	2.559	14.6	19.8
3 2	12 49.01	+ 2 6.4	1.667	2.576	10.9	19.6
3 12	12 40.89	+ 2 24.5	1.630	2.593	6.8	19.4
3 22	12 31.29	+ 2 44.2	1.619	2.611	2.7	19.2
4 1	12 21.28	+ 3 0.0	1.637	2.628	3.5	19.3
4 11	12 11.99	+ 3 7.4	1.682	2.645	7.5	19.6
4 21	12 4.35	+ 3 3.5	1.753	2.662	11.4	19.8
5 1	11 58.96	+ 2 46.8	1.846	2.679	14.6	20.1

406410 2007 TT_{129} 3 27.5 250°.67 2°.1/25.7 16

2 21	12 53.64	+ 0 37.8	1.807	2.635	14.2	21.4
3 2	12 48.49	+ 1 11.6	1.709	2.617	10.8	21.1
3 12	12 40.88	+ 1 55.3	1.635	2.598	6.8	20.8
3 22	12 31.42	+ 2 43.9	1.587	2.579	2.8	20.6
4 1	12 21.06	+ 3 30.7	1.568	2.558	3.7	20.6
4 11	12 11.01	+ 4 8.8	1.576	2.537	8.1	20.8
4 21	12 2.33	+ 4 33.1	1.610	2.516	12.4	21.0
5 1	11 55.87	+ 4 40.4	1.666	2.493	16.2	21.2

508455 2016 NY_{12} 3 27.5 213°.71 6°.1/ 4.5 18

2 21	12 48.36	−26 27.8	2.823	3.509	13.0	21.4
3 2	12 43.80	−26 48.9	2.717	3.503	11.2	21.3
3 12	12 37.57	−26 51.3	2.632	3.497	9.2	21.1
3 22	12 30.13	−26 33.8	2.571	3.490	7.3	21.0
4 1	12 22.16	−25 56.8	2.536	3.483	6.2	20.9
4 11	12 14.43	−25 3.4	2.530	3.476	6.4	20.9
4 21	12 7.62	−23 58.5	2.551	3.468	7.9	21.0
5 1	12 2.32	−22 48.0	2.597	3.460	10.0	21.1

299969 2006 TL_{93} 3 27.5 279°.42 1°.5/26.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 49.80	+ 1 1.1	2.290	3.114	11.7	20.9
3 2	12 44.93	+ 1 16.7	2.204	3.110	8.8	20.7
3 12	12 38.27	+ 1 38.2	2.143	3.106	5.5	20.5
3 22	12 30.37	+ 2 2.1	2.110	3.102	2.2	20.2
4 1	12 21.99	+ 2 24.1	2.106	3.098	2.8	20.3
4 11	12 13.97	+ 2 40.0	2.131	3.094	6.2	20.5
4 21	12 7.04	+ 2 46.9	2.183	3.090	9.6	20.7
5 1	12 1.78	+ 2 42.7	2.258	3.086	12.5	20.9

411618 2011 SB_{188} 3 27.5 277°.20 2°.0/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.93	− 8 19.5	1.463	2.280	17.5	21.5
3 2	12 48.62	− 8 26.2	1.364	2.261	13.8	21.2
3 12	12 41.33	− 8 15.1	1.286	2.241	9.3	20.9
3 22	12 31.69	− 7 47.3	1.232	2.220	4.3	20.6
4 1	12 20.81	− 7 6.9	1.203	2.200	2.7	20.4
4 11	12 10.19	− 6 21.3	1.201	2.179	7.8	20.6
4 21	12 1.20	− 5 38.5	1.223	2.158	13.0	20.9
5 1	11 54.94	− 5 6.1	1.266	2.137	17.7	21.1

138730 2000 SP_{187} 3 27.5 203°.69 3°.4/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.43	−15 26.5	2.536	3.297	12.5	20.3
3 2	12 43.85	−15 38.0	2.441	3.295	10.2	20.1
3 12	12 37.59	−15 34.7	2.368	3.294	7.4	19.9
3 22	12 30.14	−15 17.0	2.322	3.292	4.7	19.7
4 1	12 22.19	−14 46.9	2.304	3.290	3.4	19.6
4 11	12 14.52	−14 8.2	2.316	3.288	5.0	19.7
4 21	12 7.83	−13 25.7	2.355	3.286	7.8	19.9
5 1	12 2.69	−12 44.4	2.419	3.283	10.6	20.1

354078 2001 UQ_{226} 3 27.5 243°.07 1°.5/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.75	− 3 0.8	1.695	2.523	15.0	21.9
3 2	12 46.40	− 2 3.0	1.601	2.509	11.4	21.6
3 12	12 39.61	− 0 48.9	1.530	2.493	7.1	21.3
3 22	12 30.97	+ 0 35.7	1.485	2.477	2.6	21.0
4 1	12 21.48	+ 2 2.5	1.468	2.461	3.4	21.0
4 11	12 12.33	+ 3 22.0	1.479	2.444	8.2	21.3
4 21	12 4.60	+ 4 26.5	1.515	2.426	12.7	21.5
5 1	11 59.13	+ 5 10.7	1.572	2.407	16.7	21.7

183353 2002 VQ_{119} 3 27.5 140°.49 0°.1/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.36	− 4 55.2	2.095	2.902	13.3	20.2
3 2	12 46.91	− 4 32.8	2.019	2.914	10.1	20.0
3 12	12 39.52	− 3 59.0	1.967	2.924	6.4	19.8
3 22	12 30.82	− 3 17.2	1.943	2.935	2.3	19.5
4 1	12 21.67	− 2 32.4	1.948	2.944	1.9	19.5
4 11	12 13.02	− 1 50.0	1.983	2.953	5.9	19.8
4 21	12 5.66	− 1 14.9	2.044	2.962	9.6	20.0
5 1	12 0.18	− 0 50.5	2.130	2.970	12.7	20.3

132119 2002 CY_{229} 3 27.5 252°.22 0°.1/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.60	− 5 15.7	1.857	2.670	14.5	20.2
3 2	12 47.70	− 4 53.8	1.754	2.651	11.2	19.9
3 12	12 40.39	− 4 17.8	1.673	2.631	7.2	19.6
3 22	12 31.26	− 3 30.6	1.618	2.610	2.7	19.3
4 1	12 21.22	− 2 37.5	1.592	2.588	2.1	19.2
4 11	12 11.43	− 1 45.4	1.594	2.566	6.9	19.5
4 21	12 2.93	− 1 0.8	1.623	2.543	11.4	19.7
5 1	11 56.58	− 0 29.0	1.674	2.519	15.3	19.9

333678 2008 TT_{129} 3 27.5 189°.61 0°.5/28.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.41	− 5 45.9	2.181	2.987	12.9	21.3
3 2	12 45.50	− 5 35.9	2.093	2.987	9.9	21.1
3 12	12 38.68	− 5 14.8	2.030	2.986	6.3	20.9
3 22	12 30.55	− 4 45.1	1.994	2.985	2.5	20.6
4 1	12 21.88	− 4 10.7	1.987	2.984	1.7	20.6
4 11	12 13.58	− 3 36.6	2.009	2.982	5.6	20.8
4 21	12 6.45	− 3 7.4	2.058	2.981	9.2	21.1
5 1	12 1.10	− 2 46.8	2.132	2.979	12.4	21.3

316859 2000 QN_4 3 27.5 221°.76 1°.0/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.08	− 7 57.2	2.514	3.304	11.9	21.8
3 2	12 45.86	− 7 43.1	2.410	3.292	9.2	21.6
3 12	12 38.88	− 7 17.1	2.330	3.280	6.1	21.4
3 22	12 30.63	− 6 41.3	2.278	3.266	2.6	21.1
4 1	12 21.80	− 5 59.1	2.256	3.252	1.6	21.0
4 11	12 13.21	− 5 15.1	2.265	3.238	5.1	21.2
4 21	12 5.59	− 4 33.9	2.301	3.222	8.5	21.4
5 1	11 59.56	− 3 59.8	2.364	3.206	11.5	21.6

109097 Hamuy 3 27.5 135°.49 6°.1/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.69	−22 42.0	2.110	2.836	15.8	19.7
3 2	12 46.65	−23 2.0	2.026	2.847	13.3	19.6
3 12	12 39.49	−22 59.7	1.962	2.857	10.4	19.4
3 22	12 30.85	−22 34.0	1.922	2.867	7.7	19.3
4 1	12 21.64	−21 46.5	1.909	2.876	6.1	19.2
4 11	12 12.88	−20 42.3	1.923	2.884	6.9	19.2
4 21	12 5.47	−19 28.7	1.964	2.893	9.3	19.4
5 1	12 0.06	−18 13.6	2.030	2.900	12.0	19.6

432051 2008 XG_{49} 3 27.5 50°.05 6°.7/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 48.48	−23 36.6	2.007	2.738	16.3	21.0
3 2	12 44.34	−24 6.2	1.927	2.748	13.9	20.8
3 12	12 38.09	−24 12.3	1.867	2.759	11.1	20.6
3 22	12 30.35	−23 53.9	1.830	2.770	8.4	20.5
4 1	12 22.05	−23 12.2	1.819	2.782	6.8	20.4
4 11	12 14.20	−22 12.3	1.834	2.793	7.3	20.5
4 21	12 7.71	−21 1.4	1.874	2.805	9.5	20.6
5 1	12 3.22	−19 47.6	1.939	2.816	12.2	20.8

204928 2008 TZ_{68} 3 27.5 119°.52 1°.4/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.08	− 0 41.4	2.242	3.065	12.0	21.3
3 2	12 44.30	− 0 1.5	2.171	3.077	9.0	21.1
3 12	12 37.81	+ 0 46.4	2.126	3.088	5.5	20.9
3 22	12 30.19	+ 1 37.9	2.108	3.100	2.1	20.7
4 1	12 22.21	+ 2 27.7	2.119	3.111	2.7	20.8
4 11	12 14.67	+ 3 10.5	2.160	3.121	6.2	21.0
4 21	12 8.29	+ 3 42.5	2.227	3.132	9.5	21.2
5 1	12 3.58	+ 4 1.3	2.318	3.142	12.3	21.4

141231 2001 XF_{235} 3 27.5 214°.39 5°.5/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.77	+14 11.3	2.474	3.311	10.5	19.9
3 2	12 44.02	+15 8.7	2.403	3.308	8.2	19.8
3 12	12 37.63	+16 3.8	2.359	3.305	6.2	19.6
3 22	12 30.13	+16 50.6	2.341	3.302	5.5	19.6
4 1	12 22.25	+17 23.9	2.353	3.298	6.6	19.7
4 11	12 14.75	+17 39.9	2.391	3.295	8.9	19.8
4 21	12 8.30	+17 37.5	2.454	3.291	11.2	19.9
5 1	12 3.44	+17 16.8	2.538	3.287	13.4	20.1

286120 2001 TF_{143} 3 27.5 129°.26 2°.2/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.36	+ 2 56.8	2.584	3.409	10.5	21.1
3 2	12 43.55	+ 3 36.2	2.513	3.420	7.8	20.9
3 12	12 37.25	+ 4 20.1	2.468	3.431	4.9	20.8
3 22	12 29.98	+ 5 4.4	2.452	3.441	2.4	20.6
4 1	12 22.39	+ 5 44.4	2.465	3.451	3.3	20.7
4 11	12 15.19	+ 6 16.0	2.508	3.460	6.1	20.9
4 21	12 8.98	+ 6 36.6	2.578	3.469	8.9	21.1
5 1	12 4.23	+ 6 44.5	2.672	3.478	11.4	21.2

58873 1998 HK_{118} 3 27.5 301°.49 7°.7/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.37	+19 36.0	2.201	3.041	11.6	18.7
3 2	12 44.00	+20 51.4	2.135	3.032	9.5	18.6
3 12	12 37.74	+22 0.6	2.094	3.024	8.0	18.5
3 22	12 30.20	+22 56.2	2.079	3.015	7.8	18.4
4 1	12 22.19	+23 31.8	2.091	3.007	9.1	18.5
4 11	12 14.61	+23 43.4	2.127	2.999	11.2	18.6
4 21	12 8.24	+23 30.6	2.186	2.991	13.5	18.8
5 1	12 3.66	+22 54.9	2.263	2.983	15.6	18.9

39815 1997 XU_9 3 27.5 229°.21 2°.1/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.60	+ 0 33.0	1.947	2.771	13.5	19.7
3 2	12 48.24	+ 1 14.0	1.851	2.757	10.2	19.5
3 12	12 40.61	+ 2 4.7	1.780	2.743	6.4	19.2
3 22	12 31.31	+ 2 59.8	1.737	2.728	2.7	19.0
4 1	12 21.25	+ 3 53.0	1.722	2.712	3.6	19.0
4 11	12 11.52	+ 4 37.6	1.736	2.695	7.7	19.2
4 21	12 3.09	+ 5 8.6	1.777	2.678	11.7	19.4
5 1	11 56.73	+ 5 23.0	1.840	2.659	15.2	19.6

281303 2007 RQ_{310} 3 27.5 189°.91 1°.3/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.54	− 1 8.2	2.560	3.378	10.8	21.8
3 2	12 43.06	− 0 24.8	2.473	3.377	8.1	21.6
3 12	12 37.02	+ 0 26.6	2.413	3.375	5.0	21.4
3 22	12 29.92	+ 1 22.2	2.381	3.373	1.9	21.2
4 1	12 22.42	+ 2 17.0	2.379	3.371	2.5	21.2
4 11	12 15.23	+ 3 6.2	2.407	3.368	5.7	21.4
4 21	12 9.00	+ 3 45.9	2.462	3.365	8.8	21.6
5 1	12 4.21	+ 4 13.2	2.542	3.361	11.5	21.8

512449 2016 QS_{23} 3 27.5 239°.32 3°.2/31.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.20	−15 49.0	2.872	3.624	11.4	22.2
3 2	12 43.57	−15 55.0	2.761	3.610	9.3	22.0
3 12	12 37.38	−15 47.3	2.674	3.596	6.8	21.8
3 22	12 30.09	−15 26.2	2.614	3.582	4.4	21.6
4 1	12 22.27	−14 53.5	2.582	3.567	3.2	21.5
4 11	12 14.64	−14 12.5	2.581	3.552	4.7	21.6
4 21	12 7.83	−13 27.6	2.608	3.537	7.2	21.8
5 1	12 2.39	−12 43.3	2.661	3.521	9.9	21.9

212706 2007 RU_{16} 3 27.5 178°.19 0°.2/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.27	− 6 15.0	2.008	2.813	13.8	22.2
3 2	12 47.04	− 5 43.2	1.923	2.816	10.6	21.9
3 12	12 39.72	− 4 57.5	1.861	2.818	6.8	21.7
3 22	12 30.95	− 4 1.4	1.827	2.818	2.5	21.4
4 1	12 21.61	− 3 0.6	1.822	2.819	1.9	21.4
4 11	12 12.71	− 2 1.6	1.846	2.818	6.2	21.7
4 21	12 5.12	− 1 10.3	1.898	2.816	10.1	21.9
5 1	11 59.49	− 0 31.4	1.973	2.814	13.5	22.1

22559 1998 HQ_{12} 3 27.5 25°.55 6°.4/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 45.16	+ 5 41.5	1.276	2.146	16.4	17.9
3 2	12 42.50	+ 7 45.2	1.222	2.151	12.2	17.6
3 12	12 37.20	+ 9 58.1	1.190	2.157	8.3	17.4
3 22	12 30.08	+12 6.5	1.183	2.163	6.4	17.3
4 1	12 22.35	+13 56.2	1.201	2.170	8.7	17.5
4 11	12 15.35	+15 16.4	1.243	2.178	12.6	17.7
4 21	12 10.14	+16 2.4	1.306	2.186	16.5	18.0
5 1	12 7.42	+16 14.6	1.387	2.195	19.9	18.2

419341 2009 WH_{177} 3 27.5 32°.11 5°.4/ 1.0 18

2 21	12 48.86	−16 26.7	1.406	2.202	19.2	20.5
3 2	12 45.14	−16 54.7	1.347	2.221	15.5	20.3
3 12	12 38.78	−16 57.5	1.308	2.241	11.4	20.1
3 22	12 30.63	−16 35.2	1.290	2.262	7.4	20.0
4 1	12 21.91	−15 51.6	1.298	2.284	5.4	19.9
4 11	12 13.96	−14 54.5	1.330	2.306	7.4	20.1
4 21	12 7.84	−13 53.3	1.386	2.330	11.0	20.3
5 1	12 4.25	−12 56.6	1.464	2.354	14.7	20.6

471288 2011 GM_{27} 3 27.5 88°.70 0°.3/ 1.8 15

2 21	12 28.26	−16 12.0	42.931	43.662	0.9	21.6
3 2	12 27.64	−16 9.8	42.830	43.662	0.7	21.6
3 12	12 26.96	−16 6.6	42.754	43.663	0.5	21.6
3 22	12 26.23	−16 2.7	42.706	43.664	0.4	21.5
4 1	12 25.48	−15 58.1	42.687	43.664	0.3	21.5
4 11	12 24.75	−15 53.0	42.697	43.665	0.3	21.5
4 21	12 24.05	−15 47.7	42.736	43.666	0.5	21.6
5 1	12 23.43	−15 42.2	42.803	43.666	0.7	21.6

505721 2015 AP_{234} 3 27.5 312°.59 5°.3/ 1.3 17

2 21	12 47.23	−17 52.4	1.779	2.554	16.6	20.9
3 2	12 43.81	−18 13.2	1.679	2.538	13.8	20.6
3 12	12 38.03	−18 12.0	1.598	2.522	10.5	20.4
3 22	12 30.45	−17 47.8	1.541	2.507	7.1	20.2
4 1	12 21.98	−17 2.1	1.509	2.492	5.3	20.0
4 11	12 13.78	−16 0.4	1.504	2.477	7.0	20.1
4 21	12 6.92	−14 50.7	1.523	2.463	10.5	20.2
5 1	12 2.23	−13 41.7	1.566	2.449	14.2	20.4

257246 2009 FA_{4} 3 27.5 315°.24 2°.3/26.3 17

2 21	12 54.83	+ 2 33.1	1.290	2.139	17.5	20.0
3 2	12 50.46	+ 2 23.3	1.195	2.112	13.5	19.7
3 12	12 42.74	+ 2 19.1	1.120	2.087	8.6	19.3
3 22	12 32.31	+ 2 16.0	1.069	2.061	3.5	19.0
4 1	12 20.42	+ 2 8.0	1.043	2.036	4.2	18.9
4 11	12 8.79	+ 1 49.5	1.042	2.012	9.9	19.1
4 21	11 59.01	+ 1 16.6	1.063	1.989	15.5	19.4
5 1	11 52.32	+ 0 27.7	1.104	1.967	20.4	19.6

149451 2003 CF_{14} 3 27.5 292°.25 4°.3/22.8 17

2 21	12 45.70	+ 3 25.3	1.723	2.574	13.8	19.9
3 2	12 42.44	+ 5 4.1	1.645	2.565	10.3	19.7
3 12	12 37.00	+ 6 53.9	1.590	2.556	6.6	19.4
3 22	12 30.02	+ 8 45.7	1.563	2.548	4.3	19.3
4 1	12 22.40	+10 29.0	1.563	2.539	6.1	19.4
4 11	12 15.19	+11 54.2	1.590	2.531	9.9	19.6
4 21	12 9.32	+12 55.5	1.641	2.523	13.6	19.8
5 1	12 5.49	+13 30.2	1.712	2.515	16.9	20.0

55485 2001 UM_{25} 3 27.5 188°.40 2°.4/30.1 18

2 21	12 49.20	−11 46.8	2.423	3.203	12.5	20.0
3 2	12 44.47	−11 53.5	2.332	3.203	9.9	19.8
3 12	12 38.01	−11 46.9	2.263	3.202	6.9	19.6
3 22	12 30.33	−11 28.1	2.221	3.202	3.8	19.4
4 1	12 22.15	−10 59.5	2.209	3.201	2.5	19.3
4 11	12 14.29	−10 25.2	2.225	3.200	5.0	19.5
4 21	12 7.45	− 9 50.0	2.269	3.199	8.1	19.7
5 1	12 2.22	− 9 18.2	2.339	3.198	11.0	19.9

158975 2004 RT_{290} 3 27.5 98°.10 3°.9/23.2 18

2 21	12 48.59	+ 4 57.3	1.946	2.788	12.8	20.3
3 2	12 44.15	+ 6 14.9	1.888	2.802	9.5	20.1
3 12	12 37.81	+ 7 37.7	1.854	2.817	6.1	20.0
3 22	12 30.23	+ 8 58.1	1.848	2.832	4.0	19.9
4 1	12 22.28	+10 8.6	1.870	2.846	5.4	20.0
4 11	12 14.89	+11 3.0	1.920	2.860	8.5	20.2
4 21	12 8.82	+11 37.8	1.995	2.874	11.7	20.4
5 1	12 4.60	+11 52.0	2.091	2.887	14.5	20.6

61517 2000 QC_{58} 3 27.5 138°.84 0°.3/27.2 18

2 21	12 51.09	− 3 36.1	1.885	2.705	14.1	19.6
3 2	12 46.25	− 3 18.6	1.806	2.708	10.7	19.4
3 12	12 39.27	− 2 49.8	1.750	2.711	6.7	19.2
3 22	12 30.81	− 2 13.5	1.721	2.713	2.4	18.9
4 1	12 21.79	− 1 34.6	1.720	2.716	2.2	18.9
4 11	12 13.25	− 0 59.1	1.747	2.718	6.5	19.2
4 21	12 6.07	− 0 31.9	1.800	2.720	10.5	19.4
5 1	12 0.92	− 0 16.6	1.877	2.723	13.9	19.6

147175 2002 VV_{36} 3 27.5 49°.85 4°.1/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 51.16	+ 4 35.3	1.451	2.302	15.8	18.9
3 2	12 46.61	+ 5 24.1	1.399	2.318	11.8	18.7
3 12	12 39.56	+ 6 18.6	1.369	2.335	7.5	18.5
3 22	12 30.89	+ 7 10.7	1.364	2.352	4.2	18.3
4 1	12 21.79	+ 7 52.5	1.385	2.369	5.6	18.4
4 11	12 13.50	+ 8 17.5	1.432	2.386	9.5	18.7
4 21	12 7.00	+ 8 22.7	1.503	2.404	13.4	19.0
5 1	12 2.92	+ 8 7.8	1.593	2.422	16.8	19.2

353714 2011 VQ_{8} 3 27.5 191°.80 1°.4/29.4 17

2 21	12 49.43	− 9 37.7	3.316	4.088	9.6	21.8
3 2	12 44.17	− 9 36.2	3.215	4.085	7.5	21.6
3 12	12 37.61	− 9 25.4	3.141	4.083	5.1	21.5
3 22	12 30.15	− 9 6.7	3.095	4.079	2.5	21.3
4 1	12 22.33	− 8 42.2	3.081	4.075	1.6	21.2
4 11	12 14.72	− 8 14.9	3.097	4.071	3.9	21.4
4 21	12 7.85	− 7 47.8	3.144	4.065	6.4	21.5
5 1	12 2.17	− 7 23.9	3.217	4.060	8.8	21.7

319492 2006 QT_{44} 3 27.5 248°.86 3°.5/30.3 17

2 21	12 53.71	−12 46.7	1.874	2.656	15.6	21.6
3 2	12 48.61	−13 6.5	1.770	2.642	12.5	21.4
3 12	12 41.03	−13 9.4	1.689	2.626	9.0	21.1
3 22	12 31.56	−12 55.2	1.632	2.611	5.3	20.9
4 1	12 21.13	−12 25.9	1.603	2.594	3.6	20.7
4 11	12 10.95	−11 46.6	1.603	2.578	6.5	20.9
4 21	12 2.11	−11 3.6	1.628	2.560	10.6	21.1
5 1	11 55.47	−10 23.8	1.678	2.543	14.4	21.3

428893 2008 UN_{342} 3 27.5 36°.68 2°.2/25.4 17

2 21	12 49.15	+ 1 20.6	1.935	2.769	13.2	21.4
3 2	12 44.71	+ 1 55.8	1.859	2.771	9.8	21.2
3 12	12 38.27	+ 2 38.6	1.808	2.772	6.1	21.0
3 22	12 30.44	+ 3 23.9	1.783	2.774	2.6	20.8
4 1	12 22.11	+ 4 5.7	1.786	2.776	3.6	20.8
4 11	12 14.25	+ 4 38.4	1.817	2.777	7.3	21.0
4 21	12 7.68	+ 4 58.0	1.874	2.779	11.0	21.3
5 1	12 3.02	+ 5 2.3	1.953	2.781	14.1	21.5

379401 2010 AH_{8} 3 27.5 119°.40 3°.1/24.3 17

2 21	12 50.24	+ 4 23.1	2.070	2.904	12.4	21.1
3 2	12 45.34	+ 5 8.8	2.002	2.913	9.3	20.9
3 12	12 38.55	+ 5 59.1	1.958	2.921	5.9	20.8
3 22	12 30.52	+ 6 48.6	1.943	2.930	3.3	20.6
4 1	12 22.08	+ 7 31.1	1.956	2.938	4.4	20.7
4 11	12 14.14	+ 8 1.8	1.997	2.946	7.6	20.9
4 21	12 7.46	+ 8 17.4	2.063	2.953	10.9	21.1
5 1	12 2.61	+ 8 16.8	2.153	2.961	13.7	21.3

436673 2011 SF_{97} 3 27.5 183°.59 4°.4/ 2.1 18

2 21	12 47.59	−19 57.8	2.692	3.425	12.5	21.2
3 2	12 43.18	−20 7.4	2.595	3.425	10.4	21.0
3 12	12 37.17	−20 0.2	2.520	3.425	8.0	20.8
3 22	12 30.04	−19 36.3	2.471	3.425	5.7	20.7
4 1	12 22.44	−18 57.4	2.450	3.424	4.4	20.6
4 11	12 15.11	−18 7.2	2.457	3.423	5.3	20.7
4 21	12 8.73	−17 10.6	2.493	3.422	7.5	20.8
5 1	12 3.82	−16 13.2	2.554	3.421	10.0	21.0

363320 2002 OV_{33} 3 27.5 193°.28 4°.5/22.4 17

2 21	12 49.89	+ 6 26.2	2.045	2.883	12.4	21.7
3 2	12 45.23	+ 7 52.0	1.969	2.882	9.3	21.5
3 12	12 38.59	+ 9 23.2	1.919	2.879	6.2	21.3
3 22	12 30.58	+10 52.3	1.897	2.876	4.5	21.2
4 1	12 22.04	+12 11.1	1.904	2.873	6.0	21.3
4 11	12 13.93	+13 12.9	1.938	2.868	9.1	21.4
4 21	12 7.05	+13 53.6	1.998	2.864	12.3	21.6
5 1	12 2.04	+14 12.2	2.079	2.858	15.1	21.8

218000 2001 XD_{71} 3 27.5 132°.07 0°.1/27.5 18

2 21	12 49.84	− 6 14.1	2.287	3.091	12.4	21.6
3 2	12 44.87	− 5 29.2	2.214	3.107	9.4	21.4
3 12	12 38.18	− 4 32.0	2.165	3.122	5.9	21.2
3 22	12 30.38	− 3 26.4	2.145	3.136	2.2	21.0
4 1	12 22.22	− 2 18.0	2.154	3.150	1.7	21.0
4 11	12 14.53	− 1 12.7	2.193	3.163	5.5	21.2
4 21	12 7.98	− 0 15.7	2.260	3.176	8.9	21.5
5 1	12 3.10	+ 0 29.1	2.352	3.187	11.8	21.7

379229 2009 SV_{240} 3 27.5 97°.21 5°.3/ 2.9 18

2 21	12 49.12	−22 38.8	2.056	2.790	15.9	20.8
3 2	12 44.65	−22 25.2	1.981	2.809	13.2	20.6
3 12	12 38.19	−21 46.9	1.925	2.828	10.2	20.4
3 22	12 30.41	−20 44.6	1.894	2.847	7.2	20.3
4 1	12 22.21	−19 21.9	1.890	2.865	5.4	20.2
4 11	12 14.57	−17 46.0	1.914	2.883	6.2	20.3
4 21	12 8.27	−16 5.3	1.966	2.901	8.9	20.5
5 1	12 3.91	−14 28.2	2.043	2.918	11.7	20.7

240741 2005 JK_{90} 3 27.5 150°.64 0°.9/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 47.41	− 2 23.9	2.488	3.304	11.2	21.0
3 2	12 42.98	− 1 45.5	2.408	3.309	8.4	20.8
3 12	12 37.00	− 0 58.4	2.353	3.314	5.2	20.6
3 22	12 29.97	− 0 6.4	2.326	3.319	1.8	20.4
4 1	12 22.56	+ 0 45.8	2.330	3.323	2.2	20.4
4 11	12 15.51	+ 1 33.3	2.362	3.328	5.5	20.6
4 21	12 9.45	+ 2 12.0	2.422	3.331	8.7	20.8
5 1	12 4.87	+ 2 39.0	2.507	3.335	11.4	21.0

76575 2000 GB_{115} 3 27.5 127°.66 1°.3/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.63	− 0 56.8	2.245	3.068	12.0	19.3
3 2	12 44.04	− 0 21.3	2.170	3.075	9.0	19.1
3 12	12 37.72	+ 0 22.4	2.119	3.081	5.5	18.9
3 22	12 30.25	+ 1 10.1	2.096	3.088	2.1	18.7
4 1	12 22.36	+ 1 56.8	2.102	3.094	2.6	18.7
4 11	12 14.89	+ 2 37.1	2.136	3.100	6.1	19.0
4 21	12 8.54	+ 3 7.3	2.198	3.106	9.5	19.2
5 1	12 3.85	+ 3 24.7	2.283	3.111	12.4	19.4

426456 2013 QE_{68} 3 27.5 127°.37 7°.2/ 1.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.41	−20 32.8	1.947	2.680	16.7	21.1
3 2	12 52.11	−21 48.6	1.859	2.685	14.1	20.9
3 12	12 43.20	−22 45.7	1.793	2.689	11.2	20.7
3 22	12 32.36	−23 20.7	1.751	2.694	8.5	20.6
4 1	12 20.61	−23 32.1	1.736	2.698	7.2	20.5
4 11	12 9.23	−23 22.5	1.749	2.702	8.1	20.5
4 21	11 59.36	−22 57.6	1.788	2.706	10.6	20.7
5 1	11 51.87	−22 24.7	1.851	2.710	13.5	20.9

162058 1997 AE_{12} 3 27.5 188°.32 1°.6/29.6 15 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.85	−11 27.9	2.914	3.677	11.0	23.7
3 2	12 46.92	−11 6.7	2.813	3.677	8.7	23.6
3 12	12 39.43	−10 32.9	2.736	3.675	5.9	23.4
3 22	12 30.86	− 9 48.1	2.689	3.672	3.0	23.2
4 1	12 21.85	− 8 55.3	2.673	3.667	1.8	23.1
4 11	12 13.12	− 7 59.1	2.689	3.662	4.4	23.3
4 21	12 5.29	− 7 3.8	2.735	3.655	7.3	23.4
5 1	11 58.89	− 6 13.9	2.808	3.647	10.0	23.6

108781 2001 OU_{58} 3 27.5 21°.80 2°.7/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.23	− 8 35.0	1.543	2.354	17.1	18.3
3 2	12 49.17	− 9 10.6	1.466	2.357	13.4	18.1
3 12	12 41.41	− 9 31.4	1.410	2.360	9.1	17.8
3 22	12 31.69	− 9 37.9	1.378	2.364	4.7	17.6
4 1	12 21.18	− 9 32.6	1.374	2.368	3.0	17.5
4 11	12 11.24	− 9 20.5	1.395	2.373	7.0	17.7
4 21	12 3.02	− 9 7.4	1.442	2.378	11.4	18.0
5 1	11 57.37	− 8 58.8	1.512	2.383	15.3	18.2

376962 2002 GB_{132} 3 27.5 195°.70 1°.1/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.97	− 1 11.2	1.972	2.797	13.4	21.0
3 2	12 46.10	− 0 52.6	1.891	2.796	10.1	20.8
3 12	12 39.18	− 0 25.1	1.833	2.796	6.3	20.5
3 22	12 30.82	+ 0 7.4	1.803	2.795	2.3	20.3
4 1	12 21.90	+ 0 39.8	1.801	2.795	2.6	20.3
4 11	12 13.43	+ 1 6.8	1.827	2.794	6.6	20.5
4 21	12 6.24	+ 1 24.3	1.879	2.793	10.4	20.8
5 1	12 1.00	+ 1 29.6	1.954	2.792	13.7	21.0

407688 2011 UE_{84} 3 27.5 107°.25 0°.3/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.28	− 4 21.3	1.666	2.486	15.6	22.0
3 2	12 48.76	− 3 58.2	1.602	2.503	11.8	21.8
3 12	12 40.87	− 3 21.8	1.560	2.519	7.4	21.6
3 22	12 31.41	− 2 36.7	1.544	2.536	2.6	21.3
4 1	12 21.47	− 1 49.0	1.556	2.552	2.3	21.4
4 11	12 12.23	− 1 5.5	1.596	2.567	6.9	21.7
4 21	12 4.65	− 0 31.9	1.661	2.582	11.2	22.0
5 1	11 59.39	− 0 11.9	1.750	2.597	14.7	22.2

40903 1999 TB_{144} 3 27.5 12°.70 2°.5/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.68	−13 10.1	1.734	2.535	15.9	18.2
3 2	12 42.43	−12 42.4	1.652	2.536	12.6	18.0
3 12	12 37.01	−11 52.7	1.592	2.537	8.7	17.7
3 22	12 30.06	−10 43.7	1.556	2.539	4.6	17.5
4 1	12 22.52	− 9 21.1	1.547	2.542	2.7	17.4
4 11	12 15.44	− 7 53.4	1.565	2.544	6.1	17.6
4 21	12 9.74	− 6 29.4	1.609	2.547	10.2	17.8
5 1	12 6.09	− 5 16.7	1.676	2.550	13.9	18.1

18833 1999 NT_{53} 3 27.5 314°.46 2°.7/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 44.61	−13 58.1	1.679	2.481	16.3	17.6
3 2	12 41.83	−13 25.8	1.584	2.467	13.0	17.3
3 12	12 36.78	−12 28.8	1.509	2.454	9.1	17.1
3 22	12 30.03	−11 9.1	1.458	2.441	4.9	16.8
4 1	12 22.51	− 9 32.4	1.434	2.429	2.9	16.6
4 11	12 15.35	− 7 48.0	1.437	2.417	6.4	16.8
4 21	12 9.54	− 6 6.3	1.465	2.405	10.9	17.0
5 1	12 5.87	− 4 36.7	1.516	2.394	14.9	17.2

357316 2003 FX_{123} 3 27.5 252°.52 1°.0/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 50.05	− 4 25.0	1.638	2.466	15.5	21.3
3 2	12 46.01	− 3 31.1	1.544	2.450	11.8	21.0
3 12	12 39.46	− 2 19.4	1.472	2.435	7.4	20.7
3 22	12 31.02	− 0 55.1	1.426	2.419	2.6	20.4
4 1	12 21.71	+ 0 33.6	1.408	2.402	3.0	20.4
4 11	12 12.73	+ 1 56.8	1.417	2.385	8.0	20.6
4 21	12 5.20	+ 3 6.1	1.451	2.368	12.7	20.8
5 1	11 59.98	+ 3 55.6	1.506	2.350	16.8	21.0

500562 2012 UD_{58} 3 27.5 181°.23 3°.1/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.72	−17 56.5	2.881	3.624	11.6	22.6
3 2	12 42.38	−17 33.9	2.782	3.625	9.4	22.4
3 12	12 36.61	−16 55.0	2.707	3.625	7.0	22.3
3 22	12 29.85	−16 0.9	2.659	3.625	4.5	22.1
4 1	12 22.71	−14 54.5	2.640	3.624	3.1	22.0
4 11	12 15.84	−13 40.5	2.651	3.623	4.5	22.1
4 21	12 9.85	−12 24.1	2.691	3.622	7.0	22.3
5 1	12 5.20	−11 10.7	2.758	3.620	9.5	22.4

259451 2003 SP_{68} 3 27.5 313°.55 3°.3/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.71	−11 23.4	1.445	2.257	18.0	20.3
3 2	12 46.81	−11 38.3	1.360	2.249	14.3	20.0
3 12	12 40.11	−11 32.9	1.294	2.242	10.0	19.8
3 22	12 31.29	−11 7.6	1.252	2.235	5.4	19.5
4 1	12 21.50	−10 26.3	1.235	2.229	3.5	19.3
4 11	12 12.15	− 9 36.1	1.243	2.223	7.3	19.5
4 21	12 4.52	− 8 45.6	1.276	2.216	12.1	19.8
5 1	11 59.52	− 8 2.8	1.330	2.211	16.4	20.0

203417 2001 XK_{194} 3 27.5 76°.93 4°.4/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.95	−15 13.5	1.468	2.263	18.6	20.0
3 2	12 46.80	−15 19.6	1.394	2.270	15.0	19.7
3 12	12 39.95	−15 0.8	1.340	2.278	10.8	19.5
3 22	12 31.17	−14 18.1	1.308	2.285	6.5	19.3
4 1	12 21.65	−13 15.7	1.302	2.292	4.4	19.2
4 11	12 12.76	−12 2.3	1.322	2.300	7.2	19.3
4 21	12 5.64	−10 47.5	1.366	2.307	11.4	19.6
5 1	12 1.10	− 9 40.7	1.433	2.315	15.4	19.9

498952 2009 BG_{84} 3 27.5 50°.75 0°.2/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.96	− 5 33.3	1.960	2.777	13.7	21.6
3 2	12 43.77	− 5 11.6	1.888	2.788	10.4	21.4
3 12	12 37.65	− 4 37.5	1.840	2.799	6.6	21.2
3 22	12 30.25	− 3 54.5	1.819	2.810	2.5	20.9
4 1	12 22.41	− 3 7.8	1.825	2.822	1.8	20.9
4 11	12 15.07	− 2 23.3	1.860	2.834	5.9	21.2
4 21	12 8.99	− 1 46.0	1.921	2.846	9.6	21.4
5 1	12 4.77	− 1 20.0	2.005	2.858	12.9	21.6

387493 1995 SU_{42} 3 27.5 147°.65 1°.2/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.71	− 0 12.0	2.324	3.145	11.7	21.0
3 2	12 44.84	+ 0 4.5	2.242	3.146	8.8	20.8
3 12	12 38.24	+ 0 27.7	2.185	3.147	5.4	20.6
3 22	12 30.46	+ 0 54.1	2.156	3.148	2.0	20.4
4 1	12 22.23	+ 1 19.7	2.156	3.149	2.4	20.4
4 11	12 14.38	+ 1 40.2	2.185	3.150	5.9	20.7
4 21	12 7.62	+ 1 52.3	2.241	3.151	9.2	20.9
5 1	12 2.49	+ 1 53.9	2.321	3.151	12.1	21.1

264648 2001 XU_{44} 3 27.5 39°.73 7°.4/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.39	+14 40.3	1.548	2.397	15.1	19.7
3 2	12 49.00	+15 28.2	1.496	2.407	11.8	19.5
3 12	12 41.07	+16 10.7	1.466	2.416	8.8	19.3
3 22	12 31.49	+16 39.2	1.461	2.427	7.4	19.3
4 1	12 21.47	+16 46.8	1.481	2.437	8.8	19.4
4 11	12 12.30	+16 29.9	1.527	2.448	11.7	19.6
4 21	12 4.97	+15 49.1	1.595	2.460	14.9	19.8
5 1	12 0.12	+14 47.2	1.683	2.471	17.7	20.0

31775 1999 JN_{122} 3 27.5 281°.12 5°.8/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.60	−17 39.1	1.599	2.376	18.0	17.5
3 2	12 46.77	−18 5.0	1.496	2.357	15.0	17.3
3 12	12 40.16	−18 7.4	1.412	2.338	11.4	17.0
3 22	12 31.36	−17 44.2	1.351	2.319	7.7	16.7
4 1	12 21.41	−16 56.5	1.315	2.299	5.8	16.6
4 11	12 11.67	−15 50.2	1.305	2.279	7.8	16.6
4 21	12 3.44	−14 34.2	1.320	2.260	11.8	16.8
5 1	11 57.74	−13 19.1	1.357	2.240	16.0	17.0

192086 2006 BL_{166} 3 27.5 153°.09 2°.1/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.11	−10 15.8	2.011	2.807	14.2	20.3
3 2	12 45.49	−10 14.8	1.926	2.808	11.1	20.1
3 12	12 38.82	− 9 58.6	1.863	2.809	7.6	19.8
3 22	12 30.72	− 9 29.0	1.826	2.811	3.8	19.6
4 1	12 22.03	− 8 49.6	1.817	2.812	2.3	19.5
4 11	12 13.75	− 8 5.8	1.837	2.813	5.7	19.7
4 21	12 6.73	− 7 23.4	1.883	2.814	9.4	19.9
5 1	12 1.63	− 6 47.8	1.953	2.815	12.8	20.2

170069 2002 VR_{110} 3 27.6 109°.16 4°.1/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 48.12	−17 41.8	2.293	3.049	13.8	20.1
3 2	12 43.80	−17 48.0	2.206	3.055	11.3	19.9
3 12	12 37.67	−17 35.9	2.140	3.060	8.4	19.8
3 22	12 30.28	−17 6.2	2.100	3.065	5.6	19.6
4 1	12 22.40	−16 21.2	2.088	3.070	4.1	19.5
4 11	12 14.88	−15 25.8	2.103	3.075	5.5	19.6
4 21	12 8.48	−14 25.9	2.146	3.080	8.3	19.8
5 1	12 3.78	−13 27.7	2.215	3.085	11.1	20.0

75164 1999 VN_{119} 3 27.6 238°.90 1°.0/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.53	− 7 55.8	1.913	2.718	14.5	20.1
3 2	12 46.81	− 7 36.7	1.814	2.704	11.3	19.9
3 12	12 39.82	− 7 1.9	1.737	2.691	7.4	19.6
3 22	12 31.14	− 6 14.0	1.687	2.677	3.1	19.3
4 1	12 21.68	− 5 17.6	1.665	2.662	1.9	19.2
4 11	12 12.51	− 4 19.5	1.671	2.646	6.3	19.4
4 21	12 4.62	− 3 26.4	1.704	2.630	10.6	19.6
5 1	11 58.79	− 2 44.0	1.761	2.614	14.4	19.8

413126 2001 XU_{88} 3 27.6 136°.27 4°.7/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.33	+10 29.5	2.461	3.292	10.8	21.4
3 2	12 45.84	+11 40.4	2.404	3.309	8.2	21.3
3 12	12 38.74	+12 51.1	2.373	3.325	5.8	21.1
3 22	12 30.61	+13 55.5	2.371	3.341	4.7	21.1
4 1	12 22.18	+14 47.7	2.399	3.355	5.8	21.2
4 11	12 14.24	+15 23.8	2.455	3.369	8.2	21.4
4 21	12 7.43	+15 41.9	2.537	3.382	10.6	21.5
5 1	12 2.23	+15 42.0	2.641	3.394	12.8	21.7

370088 2001 SN_{224} 3 27.6 251°.09 1°.3/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.80	− 1 11.2	2.009	2.831	13.2	21.9
3 2	12 46.88	− 0 43.7	1.911	2.815	10.1	21.7
3 12	12 39.80	− 0 6.3	1.836	2.798	6.3	21.4
3 22	12 31.12	+ 0 37.0	1.788	2.780	2.3	21.1
4 1	12 21.70	+ 1 20.7	1.769	2.763	2.8	21.1
4 11	12 12.55	+ 1 58.9	1.779	2.744	7.0	21.4
4 21	12 4.62	+ 2 26.7	1.815	2.726	11.0	21.6
5 1	11 58.64	+ 2 40.5	1.874	2.706	14.5	21.7

380051 2013 RC_{72} 3 27.6 219°.47 1°.0/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.10	− 8 22.5	1.997	2.802	14.0	21.9
3 2	12 44.78	− 7 56.2	1.907	2.797	10.8	21.7
3 12	12 38.41	− 7 14.3	1.839	2.792	7.1	21.5
3 22	12 30.59	− 6 19.8	1.797	2.787	3.0	21.2
4 1	12 22.15	− 5 17.6	1.785	2.781	1.8	21.1
4 11	12 14.09	− 4 14.5	1.800	2.775	5.9	21.4
4 21	12 7.24	− 3 16.9	1.842	2.769	9.9	21.6
5 1	12 2.29	− 2 30.2	1.909	2.763	13.4	21.8

436811 2012 RJ_{8} 3 27.6 189°.02 3°.7/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.35	−18 40.7	2.559	3.303	12.8	21.3
3 2	12 43.07	−18 22.9	2.460	3.303	10.5	21.1
3 12	12 37.15	−17 46.5	2.385	3.301	7.8	20.9
3 22	12 30.10	−16 52.6	2.335	3.300	5.2	20.8
4 1	12 22.58	−15 44.0	2.314	3.298	3.7	20.7
4 11	12 15.36	−14 26.0	2.322	3.295	5.0	20.7
4 21	12 9.13	−13 4.6	2.359	3.292	7.7	20.9
5 1	12 4.43	−11 46.3	2.423	3.289	10.5	21.1

419891 2011 AW_{52} 3 27.6 59°.32 5°.8/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.64	−17 31.4	1.728	2.495	17.3	20.6
3 2	12 48.55	−18 19.9	1.652	2.505	14.2	20.4
3 12	12 40.95	−18 47.8	1.596	2.515	10.8	20.2
3 22	12 31.55	−18 53.6	1.563	2.525	7.5	20.0
4 1	12 21.42	−18 38.3	1.557	2.535	5.8	19.9
4 11	12 11.83	−18 6.6	1.577	2.546	7.4	20.1
4 21	12 3.84	−17 25.5	1.623	2.556	10.5	20.3
5 1	11 58.24	−16 42.8	1.692	2.567	13.8	20.5

433961 1999 RL_{41} 3 27.6 285°.21 0°.7/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.85	− 1 24.0	2.871	3.672	10.2	22.8
3 2	12 47.22	− 1 7.6	2.736	3.629	7.8	22.5
3 12	12 39.86	− 0 44.1	2.627	3.585	4.9	22.3
3 22	12 31.15	− 0 16.0	2.548	3.540	1.8	22.0
4 1	12 21.69	+ 0 13.3	2.500	3.494	2.0	21.9
4 11	12 12.24	+ 0 40.1	2.483	3.447	5.4	22.1
4 21	12 3.50	+ 1 0.7	2.496	3.399	8.7	22.2
5 1	11 56.13	+ 1 12.3	2.534	3.350	11.7	22.4

461111 2015 BZ_{516} 3 27.6 188°.69 3°.3/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.21	+ 4 56.8	2.074	2.909	12.4	20.5
3 2	12 45.42	+ 5 41.8	1.997	2.909	9.3	20.3
3 12	12 38.71	+ 6 31.4	1.946	2.908	5.9	20.1
3 22	12 30.68	+ 7 20.0	1.921	2.907	3.4	20.0
4 1	12 22.15	+ 8 1.6	1.926	2.907	4.6	20.0
4 11	12 14.06	+ 8 30.9	1.958	2.905	7.8	20.2
4 21	12 7.21	+ 8 44.8	2.016	2.904	11.1	20.4
5 1	12 2.18	+ 8 42.0	2.096	2.903	14.1	20.6

253135 2002 VG_{40} 3 27.6 83°.57 1°.5/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.78	− 8 39.8	1.809	2.606	15.5	21.2
3 2	12 49.60	− 8 33.8	1.753	2.638	11.9	21.0
3 12	12 41.25	− 8 12.5	1.720	2.670	7.8	20.9
3 22	12 31.55	− 7 39.0	1.713	2.701	3.5	20.7
4 1	12 21.52	− 6 58.1	1.735	2.732	2.1	20.6
4 11	12 12.27	− 6 15.9	1.786	2.762	5.9	20.9
4 21	12 4.65	− 5 38.2	1.864	2.791	9.8	21.2
5 1	11 59.23	− 5 9.4	1.966	2.819	13.0	21.5

308104 2004 VS_{70} 3 27.6 167°.92 2°.0/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.02	−11 34.6	1.910	2.699	15.1	21.9
3 2	12 47.02	−11 10.8	1.825	2.704	11.8	21.7
3 12	12 39.83	−10 28.4	1.763	2.708	8.0	21.5
3 22	12 31.11	− 9 29.8	1.727	2.712	4.0	21.2
4 1	12 21.80	− 8 20.1	1.719	2.715	2.3	21.1
4 11	12 12.95	− 7 6.6	1.740	2.717	6.0	21.3
4 21	12 5.48	− 5 56.7	1.789	2.718	9.9	21.6
5 1	12 0.09	− 4 56.9	1.861	2.718	13.5	21.8

286557 2002 CR_{183} 3 27.6 83°.97 1°.8/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.79	− 2 2.1	1.458	2.294	16.6	21.2
3 2	12 47.84	− 1 10.1	1.404	2.315	12.4	21.0
3 12	12 40.38	− 0 4.9	1.371	2.336	7.6	20.8
3 22	12 31.28	+ 1 6.4	1.364	2.357	2.8	20.5
4 1	12 21.74	+ 2 14.9	1.385	2.378	3.6	20.6
4 11	12 13.04	+ 3 12.1	1.432	2.398	8.2	21.0
4 21	12 6.17	+ 3 52.4	1.503	2.418	12.5	21.2
5 1	12 1.75	+ 4 13.0	1.595	2.437	16.1	21.5

292993 2006 WS_{6} 3 27.6 280°.15 8°.0/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.57	+21 52.5	2.336	3.168	11.3	20.3
3 2	12 44.88	+23 5.4	2.268	3.157	9.4	20.2
3 12	12 38.35	+24 11.0	2.225	3.145	8.2	20.1
3 22	12 30.55	+25 1.9	2.208	3.133	8.1	20.1
4 1	12 22.27	+25 32.1	2.218	3.121	9.3	20.1
4 11	12 14.40	+25 38.2	2.252	3.108	11.3	20.2
4 21	12 7.70	+25 20.0	2.308	3.096	13.4	20.3
5 1	12 2.74	+24 39.1	2.384	3.084	15.4	20.5

205817 2002 CS_{215} 3 27.6 339°.13 0°.2/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.44	− 4 17.5	1.272	2.117	18.0	20.2
3 2	12 46.07	− 4 6.5	1.195	2.109	13.8	19.9
3 12	12 39.74	− 3 38.8	1.138	2.103	8.8	19.6
3 22	12 31.21	− 2 58.8	1.104	2.097	3.2	19.2
4 1	12 21.73	− 2 13.3	1.095	2.092	2.7	19.2
4 11	12 12.80	− 1 31.4	1.110	2.087	8.4	19.5
4 21	12 5.75	− 1 0.5	1.149	2.084	13.7	19.8
5 1	12 1.49	− 0 46.0	1.206	2.080	18.2	20.0

368609 2004 RT_{222} 3 27.6 141°.99 8°.9/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.19	−32 24.8	2.511	3.148	15.5	21.2
3 2	12 50.10	−33 30.9	2.423	3.159	13.8	21.1
3 12	12 41.79	−34 15.1	2.354	3.169	11.9	21.0
3 22	12 31.87	−34 33.9	2.307	3.178	10.2	20.9
4 1	12 21.21	−34 25.9	2.284	3.187	9.1	20.8
4 11	12 10.88	−33 53.0	2.288	3.196	9.0	20.8
4 21	12 1.83	−33 0.6	2.318	3.204	10.0	20.9
5 1	11 54.79	−31 55.9	2.372	3.211	11.6	21.0

34604 2000 TW_{60} 3 27.6 30°.76 8°.5/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.76	+17 16.3	1.677	2.527	14.1	18.2
3 2	12 46.24	+18 38.4	1.623	2.531	11.3	18.1
3 12	12 39.38	+19 54.4	1.593	2.534	9.1	17.9
3 22	12 30.94	+20 54.5	1.588	2.538	8.6	17.9
4 1	12 22.02	+21 30.6	1.609	2.542	10.1	18.0
4 11	12 13.78	+21 38.3	1.653	2.547	12.7	18.2
4 21	12 7.16	+21 17.7	1.718	2.551	15.4	18.4
5 1	12 2.80	+20 31.5	1.802	2.556	17.9	18.5

381500 2008 SF_{123} 3 27.6 198°.90 1°.7/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.21	−12 13.4	2.425	3.206	12.5	21.3
3 2	12 43.02	−11 33.7	2.329	3.203	9.8	21.1
3 12	12 37.16	−10 37.6	2.256	3.200	6.7	20.9
3 22	12 30.14	− 9 27.4	2.212	3.196	3.3	20.7
4 1	12 22.64	− 8 7.9	2.196	3.192	1.9	20.6
4 11	12 15.46	− 6 45.0	2.211	3.187	4.9	20.8
4 21	12 9.28	− 5 25.3	2.254	3.182	8.3	21.0
5 1	12 4.64	− 4 14.3	2.322	3.176	11.3	21.1

176449 2001 XD_{21} 3 27.6 173°.89 6°.2/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.05	+20 53.2	3.047	3.871	9.1	20.4
3 2	12 44.00	+21 59.2	2.988	3.873	7.5	20.3
3 12	12 37.57	+22 59.1	2.956	3.876	6.4	20.2
3 22	12 30.23	+23 47.7	2.952	3.878	6.3	20.2
4 1	12 22.60	+24 20.8	2.976	3.879	7.2	20.2
4 11	12 15.32	+24 35.7	3.027	3.880	8.8	20.3
4 21	12 8.96	+24 32.2	3.102	3.880	10.5	20.5
5 1	12 3.94	+24 10.9	3.197	3.880	12.1	20.6

176290 2001 SL_{57} 3 27.6 74°.99 0°.4/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 46.02	− 6 41.7	2.255	3.065	12.4	19.8
3 2	12 42.00	− 5 26.3	2.192	3.089	9.3	19.7
3 12	12 36.41	− 3 57.7	2.155	3.114	5.8	19.5
3 22	12 29.82	− 2 21.2	2.145	3.138	2.0	19.3
4 1	12 22.95	− 0 43.7	2.166	3.162	1.9	19.3
4 11	12 16.57	+ 0 47.7	2.217	3.185	5.6	19.6
4 21	12 11.28	+ 2 7.2	2.296	3.209	8.9	19.8
5 1	12 7.56	+ 3 11.0	2.399	3.232	11.7	20.1

336821 2011 EP_{35} 3 27.6 296°.29 1°.2/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.17	− 7 10.7	1.808	2.621	14.9	21.0
3 2	12 45.89	− 7 10.8	1.714	2.609	11.6	20.8
3 12	12 39.30	− 6 56.7	1.643	2.598	7.6	20.5
3 22	12 31.01	− 6 30.6	1.596	2.586	3.3	20.2
4 1	12 21.93	− 5 56.6	1.578	2.574	2.0	20.1
4 11	12 13.17	− 5 20.4	1.586	2.563	6.4	20.3
4 21	12 5.75	− 4 48.1	1.621	2.552	10.7	20.6
5 1	12 0.45	− 4 24.6	1.678	2.541	14.5	20.8

31475 Robbacchus 3 27.6 300°.13 1°.9/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.49	− 7 34.4	1.390	2.214	17.9	18.1
3 2	12 48.38	− 7 50.1	1.300	2.201	14.1	17.8
3 12	12 41.26	− 7 49.1	1.231	2.187	9.4	17.5
3 22	12 31.82	− 7 32.7	1.185	2.174	4.3	17.1
4 1	12 21.24	− 7 4.9	1.164	2.161	2.7	17.0
4 11	12 11.04	− 6 32.5	1.169	2.148	7.8	17.3
4 21	12 2.59	− 6 3.0	1.198	2.136	13.0	17.5
5 1	11 56.92	− 5 43.1	1.248	2.124	17.6	17.7

96375 1997 YS_{17} 3 27.6 71°.36 1°.6/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.02	− 8 20.0	1.460	2.279	17.5	19.5
3 2	12 47.54	− 8 13.5	1.389	2.287	13.5	19.3
3 12	12 40.40	− 7 48.6	1.339	2.295	8.9	19.0
3 22	12 31.39	− 7 8.2	1.313	2.303	3.9	18.8
4 1	12 21.69	− 6 18.2	1.314	2.311	2.3	18.7
4 11	12 12.65	− 5 26.5	1.341	2.319	7.1	19.0
4 21	12 5.38	− 4 40.9	1.392	2.327	11.8	19.3
5 1	12 0.65	− 4 7.4	1.466	2.335	15.8	19.5

455611 2004 TM_{174} 3 27.6 129°.76 0°.6/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.28	− 4 33.7	1.810	2.626	14.7	22.4
3 2	12 47.89	− 3 50.6	1.742	2.641	11.1	22.2
3 12	12 40.32	− 2 54.0	1.697	2.656	6.9	22.0
3 22	12 31.29	− 1 48.8	1.678	2.671	2.4	21.7
4 1	12 21.80	− 0 41.9	1.689	2.684	2.4	21.7
4 11	12 12.92	+ 0 19.3	1.728	2.697	6.8	22.1
4 21	12 5.56	+ 1 9.0	1.794	2.710	10.8	22.3
5 1	12 0.32	+ 1 43.3	1.883	2.721	14.2	22.6

425748 2011 BH_{109} 3 27.6 180°.45 1°.8/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.38	−10 30.6	2.046	2.841	14.0	22.3
3 2	12 44.93	−10 12.8	1.959	2.842	11.0	22.1
3 12	12 38.50	− 9 38.7	1.894	2.842	7.4	21.9
3 22	12 30.67	− 8 50.6	1.856	2.842	3.6	21.7
4 1	12 22.27	− 7 53.1	1.846	2.842	2.1	21.5
4 11	12 14.27	− 6 52.2	1.865	2.841	5.6	21.8
4 21	12 7.49	− 5 54.5	1.910	2.841	9.4	22.0
5 1	12 2.57	− 5 5.4	1.980	2.840	12.7	22.2

391678 2008 AF_{26} 3 27.6 16°.67 12°.1/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.86	−36 7.9	2.150	2.773	18.1	20.7
3 2	12 50.56	−38 1.9	2.065	2.777	16.6	20.6
3 12	12 42.50	−39 32.0	1.998	2.781	14.9	20.5
3 22	12 32.27	−40 32.0	1.951	2.786	13.4	20.4
4 1	12 20.90	−40 58.0	1.925	2.791	12.4	20.3
4 11	12 9.74	−40 50.6	1.923	2.796	12.1	20.3
4 21	12 0.05	−40 14.4	1.943	2.803	12.8	20.3
5 1	11 52.84	−39 17.7	1.984	2.809	14.1	20.4

336308 2008 TO_{24} 3 27.6 105°.65 0°.3/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.97	− 5 17.4	2.009	2.823	13.6	21.0
3 2	12 45.33	− 5 2.2	1.930	2.827	10.3	20.7
3 12	12 38.72	− 4 35.2	1.873	2.831	6.6	20.5
3 22	12 30.73	− 3 59.4	1.844	2.835	2.5	20.3
4 1	12 22.24	− 3 19.6	1.843	2.839	1.8	20.2
4 11	12 14.18	− 2 41.2	1.870	2.843	5.9	20.5
4 21	12 7.38	− 2 9.2	1.924	2.847	9.7	20.7
5 1	12 2.46	− 1 47.6	2.001	2.851	13.0	20.9

39090 2000 VM_{54} 3 27.6 121°.81 2°.0/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.77	+ 0 30.5	1.650	2.481	15.2	18.8
3 2	12 49.25	+ 0 57.4	1.581	2.490	11.4	18.6
3 12	12 41.30	+ 1 33.1	1.536	2.500	7.1	18.3
3 22	12 31.69	+ 2 12.3	1.517	2.509	2.8	18.1
4 1	12 21.52	+ 2 48.4	1.526	2.518	3.5	18.2
4 11	12 12.01	+ 3 15.4	1.562	2.526	7.9	18.4
4 21	12 4.17	+ 3 29.0	1.623	2.534	12.0	18.7
5 1	11 58.68	+ 3 27.1	1.707	2.542	15.6	18.9

258104 2001 QX_{185} 3 27.6 156°.84 3°.3/30.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.09	−14 8.9	2.221	2.987	13.9	21.2
3 2	12 47.59	−14 18.3	2.134	2.995	11.2	21.0
3 12	12 40.11	−14 11.5	2.070	3.001	8.0	20.8
3 22	12 31.25	−13 49.2	2.033	3.007	4.8	20.6
4 1	12 21.85	−13 14.1	2.024	3.013	3.3	20.6
4 11	12 12.84	−12 30.7	2.044	3.018	5.5	20.7
4 21	12 5.06	−11 44.8	2.092	3.022	8.7	20.9
5 1	11 59.14	−11 1.9	2.166	3.026	11.8	21.1

228780 2002 XS_{84} 3 27.6 355°.69 10°.3/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 41.09	−23 54.6	1.165	1.954	22.8	18.2
3 2	12 40.21	−25 0.7	1.089	1.945	19.8	17.9
3 12	12 36.31	−25 33.0	1.029	1.938	16.3	17.7
3 22	12 30.07	−25 26.2	0.986	1.934	12.8	17.5
4 1	12 22.72	−24 39.3	0.964	1.931	10.5	17.3
4 11	12 15.90	−23 18.9	0.962	1.930	10.8	17.3
4 21	12 11.02	−21 37.5	0.981	1.932	13.6	17.5
5 1	12 9.13	−19 50.1	1.020	1.935	17.2	17.7

105648 2000 SA_{23} 3 27.6 158°.12 0°.4/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.23	− 7 8.9	1.926	2.732	14.4	21.3
3 2	12 47.12	− 6 34.7	1.847	2.739	11.0	21.1
3 12	12 39.87	− 5 45.4	1.790	2.746	7.1	20.9
3 22	12 31.17	− 4 44.6	1.761	2.752	2.7	20.6
4 1	12 21.93	− 3 38.5	1.760	2.757	1.9	20.6
4 11	12 13.19	− 2 33.9	1.789	2.762	6.2	20.8
4 21	12 5.81	− 1 37.3	1.844	2.766	10.2	21.1
5 1	12 0.46	− 0 53.6	1.923	2.769	13.6	21.3

289433 2005 EA_{26} 3 27.6 2°.12 1°.8/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.53	− 3 8.8	1.356	2.204	16.9	20.0
3 2	12 43.58	− 2 5.9	1.285	2.204	12.7	19.7
3 12	12 38.00	− 0 44.9	1.236	2.203	7.9	19.4
3 22	12 30.57	+ 0 46.7	1.210	2.203	2.9	19.1
4 1	12 22.40	+ 2 18.3	1.211	2.204	3.8	19.2
4 11	12 14.84	+ 3 38.8	1.236	2.205	8.9	19.5
4 21	12 8.98	+ 4 40.0	1.285	2.207	13.7	19.8
5 1	12 5.60	+ 5 17.2	1.354	2.209	17.7	20.0

513960 2014 ES_{188} 3 27.6 141°.17 1°.9/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.15	−12 38.6	2.600	3.378	11.8	21.6
3 2	12 42.08	−12 9.8	2.513	3.384	9.3	21.5
3 12	12 36.50	−11 26.2	2.450	3.390	6.4	21.3
3 22	12 29.91	−10 30.1	2.414	3.396	3.4	21.1
4 1	12 22.94	− 9 25.4	2.407	3.402	2.0	21.0
4 11	12 16.31	− 8 17.3	2.431	3.407	4.5	21.2
4 21	12 10.61	− 7 11.0	2.482	3.412	7.5	21.4
5 1	12 6.33	− 6 11.4	2.560	3.417	10.3	21.6

333383 2002 PX_{200} 3 27.6 197°.48 0°.4/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.27	− 6 34.8	2.278	3.083	12.4	21.6
3 2	12 43.89	− 6 9.1	2.189	3.081	9.5	21.4
3 12	12 37.76	− 5 31.0	2.124	3.080	6.1	21.2
3 22	12 30.40	− 4 43.6	2.087	3.078	2.4	20.9
4 1	12 22.55	− 3 51.5	2.079	3.076	1.6	20.8
4 11	12 15.03	− 3 0.0	2.100	3.073	5.4	21.1
4 21	12 8.59	− 2 14.3	2.148	3.070	8.9	21.3
5 1	12 3.78	− 1 38.5	2.221	3.068	12.0	21.5

74472 1999 CX_{55} 3 27.6 326°.21 3°.9/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.88	+ 7 24.0	2.010	2.849	12.6	18.6
3 2	12 46.04	+ 7 54.8	1.932	2.845	9.5	18.4
3 12	12 39.18	+ 8 27.7	1.879	2.840	6.3	18.2
3 22	12 30.93	+ 8 57.0	1.852	2.836	4.0	18.1
4 1	12 22.14	+ 9 17.4	1.854	2.832	5.1	18.1
4 11	12 13.80	+ 9 24.2	1.883	2.828	8.3	18.3
4 21	12 6.74	+ 9 15.5	1.937	2.824	11.6	18.5
5 1	12 1.59	+ 8 50.5	2.013	2.821	14.5	18.7

90334 2003 FC_{94} 3 27.6 250°.76 4°.6/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.34	−20 24.2	1.735	2.496	17.4	19.1
3 2	12 44.76	−19 44.2	1.629	2.482	14.4	18.8
3 12	12 38.73	−18 33.0	1.544	2.467	10.8	18.6
3 22	12 30.87	−16 50.5	1.483	2.452	7.0	18.3
4 1	12 22.14	−14 41.6	1.448	2.436	4.6	18.1
4 11	12 13.75	−12 16.4	1.442	2.420	6.7	18.2
4 21	12 6.79	− 9 47.9	1.463	2.403	10.9	18.4
5 1	12 2.09	− 7 29.0	1.509	2.386	15.0	18.6

441815 2009 KU_{23} 3 27.6 53°.24 7°.0/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.82	−32 1.8	2.554	3.211	14.8	20.8
3 2	12 42.11	−31 46.6	2.453	3.212	13.0	20.6
3 12	12 36.65	−31 5.3	2.370	3.212	11.0	20.5
3 22	12 30.00	−29 57.1	2.310	3.213	8.9	20.4
4 1	12 22.89	−28 23.3	2.276	3.213	7.3	20.3
4 11	12 16.18	−26 29.1	2.270	3.214	7.1	20.2
4 21	12 10.56	−24 22.0	2.292	3.215	8.4	20.3
5 1	12 6.59	−22 10.9	2.341	3.215	10.5	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
461739 2005 UY_{30}			3 27.6	98°.58	3°.5/31.5	17
	h m	° ′			°	m
2 21	12 47.52	−16 51.7	1.881	2.656	15.8	21.2
3 2	12 43.68	−16 20.6	1.801	2.665	12.7	21.0
3 12	12 37.76	−15 25.9	1.741	2.673	9.1	20.8
3 22	12 30.42	−14 9.7	1.706	2.682	5.5	20.5
4 1	12 22.57	−12 37.4	1.699	2.690	3.5	20.4
4 11	12 15.21	−10 57.3	1.720	2.698	5.8	20.6
4 21	12 9.20	− 9 18.4	1.769	2.706	9.5	20.8
5 1	12 5.16	− 7 48.8	1.841	2.714	12.9	21.1
94584 2001 VL_{47}			3 27.6	183°.37	4°.0/24.5	18
2 21	12 54.30	+ 4 42.8	1.582	2.424	15.2	19.5
3 2	12 49.12	+ 5 28.5	1.510	2.424	11.5	19.2
3 12	12 41.35	+ 6 20.4	1.460	2.424	7.4	19.0
3 22	12 31.77	+ 7 11.3	1.437	2.424	4.2	18.8
4 1	12 21.50	+ 7 53.3	1.440	2.423	5.5	18.9
4 11	12 11.85	+ 8 19.5	1.471	2.423	9.5	19.1
4 21	12 3.89	+ 8 26.5	1.525	2.421	13.6	19.3
5 1	11 58.38	+ 8 13.2	1.600	2.420	17.1	19.5
170252 2003 QS_{50}			3 27.6	240°.00	1°.3/26.4	16
2 21	12 51.63	− 2 17.0	1.854	2.677	14.1	21.6
3 2	12 46.96	− 1 34.4	1.758	2.663	10.7	21.3
3 12	12 39.98	− 0 38.9	1.687	2.649	6.7	21.1
3 22	12 31.31	+ 0 24.7	1.641	2.634	2.4	20.7
4 1	12 21.85	+ 1 29.6	1.625	2.618	3.0	20.7
4 11	12 12.71	+ 2 28.4	1.636	2.602	7.4	21.0
4 21	12 4.88	+ 3 14.9	1.673	2.585	11.7	21.2
5 1	11 59.14	+ 3 44.6	1.733	2.567	15.4	21.4
289679 2005 GN_{150}			3 27.6	7°.77	2°.2/25.5	17
2 21	12 46.12	+ 0 8.8	1.687	2.531	14.3	20.7
3 2	12 42.77	+ 0 54.2	1.616	2.532	10.7	20.4
3 12	12 37.26	+ 1 50.0	1.568	2.534	6.6	20.2
3 22	12 30.26	+ 2 50.0	1.545	2.537	2.8	20.0
4 1	12 22.72	+ 3 46.8	1.549	2.540	3.8	20.0
4 11	12 15.69	+ 4 33.4	1.580	2.543	7.9	20.3
4 21	12 10.04	+ 5 4.7	1.635	2.548	11.8	20.5
5 1	12 6.43	+ 5 17.9	1.711	2.553	15.2	20.7
39521 1988 PQ			3 27.6	264°.74	2°.5/29.6	18
2 21	12 51.37	−10 49.0	1.708	2.509	16.1	19.6
3 2	12 47.07	−10 47.3	1.608	2.493	12.8	19.4
3 12	12 40.23	−10 27.0	1.529	2.476	8.8	19.1
3 22	12 31.45	− 9 49.2	1.475	2.460	4.5	18.8
4 1	12 21.71	− 8 57.7	1.448	2.443	2.7	18.6
4 11	12 12.24	− 7 59.4	1.448	2.425	6.7	18.8
4 21	12 4.18	− 7 2.1	1.473	2.408	11.3	19.0
5 1	11 58.43	− 6 13.1	1.522	2.390	15.4	19.3
191329 2003 OB_{18}			3 27.6	208°.45	1°.1/28.9	18
2 21	12 48.09	− 9 39.7	2.590	3.377	11.6	21.3
3 2	12 43.61	− 9 5.4	2.491	3.371	9.0	21.1
3 12	12 37.53	− 8 17.5	2.416	3.364	6.0	20.9
3 22	12 30.33	− 7 18.5	2.368	3.356	2.7	20.7
4 1	12 22.66	− 6 12.4	2.351	3.348	1.5	20.6
4 11	12 15.25	− 5 4.6	2.364	3.339	4.8	20.8
4 21	12 8.76	− 4 0.6	2.406	3.329	8.0	21.0
5 1	12 3.74	− 3 4.8	2.474	3.319	11.0	21.2
60029 1999 TM_{88}			3 27.6	258°.18	1°.0/28.8	18
2 21	12 47.71	− 7 58.9	2.595	3.389	11.4	19.4
3 2	12 43.37	− 7 48.1	2.492	3.376	8.8	19.2
3 12	12 37.41	− 7 26.0	2.413	3.363	5.8	19.0
3 22	12 30.30	− 6 54.6	2.362	3.350	2.6	18.8
4 1	12 22.68	− 6 17.2	2.340	3.336	1.5	18.7
4 11	12 15.27	− 5 37.9	2.348	3.323	4.8	18.9
4 21	12 8.76	− 5 1.1	2.383	3.309	8.0	19.0
5 1	12 3.69	− 4 30.6	2.444	3.295	10.9	19.2
129417 2613 T-3			3 27.6	96°.98	2°.5/30.1	17
2 21	12 49.04	−12 6.1	1.934	2.726	14.8	20.0
3 2	12 44.80	−11 58.6	1.851	2.729	11.7	19.8
3 12	12 38.49	−11 33.3	1.789	2.733	8.1	19.6
3 22	12 30.72	−10 52.3	1.754	2.736	4.3	19.4
4 1	12 22.37	− 9 59.4	1.745	2.739	2.7	19.3
4 11	12 14.46	− 9 1.1	1.765	2.743	5.7	19.5
4 21	12 7.84	− 8 4.0	1.812	2.746	9.5	19.7
5 1	12 3.18	− 7 14.2	1.882	2.749	12.9	19.9
436720 2011 UN_{115}			3 27.6	249°.74	1°.1/29.0	17
2 21	12 45.79	− 9 43.8	2.469	3.263	11.9	21.8
3 2	12 41.98	− 9 12.0	2.371	3.254	9.3	21.6
3 12	12 36.55	− 8 25.9	2.297	3.246	6.2	21.3
3 22	12 29.99	− 7 28.3	2.250	3.237	2.8	21.1
4 1	12 22.95	− 6 23.3	2.232	3.229	1.6	21.0
4 11	12 16.17	− 5 16.5	2.244	3.220	4.9	21.2
4 21	12 10.33	− 4 13.3	2.284	3.211	8.2	21.4
5 1	12 5.97	− 3 18.5	2.348	3.201	11.2	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
221196 2005 UR_{54}			3 27.6	181°.41	3°.7/ 1.3	16
	h m	° ′			°	m
2 21	12 50.13	−18 31.3	2.583	3.322	12.9	21.7
3 2	12 45.18	−18 19.9	2.485	3.324	10.5	21.6
3 12	12 38.54	−17 50.5	2.410	3.325	7.9	21.4
3 22	12 30.71	−17 3.9	2.361	3.325	5.2	21.2
4 1	12 22.40	−16 2.7	2.341	3.324	3.7	21.1
4 11	12 14.41	−14 51.7	2.351	3.322	5.1	21.2
4 21	12 7.43	−13 37.0	2.390	3.320	7.8	21.3
5 1	12 2.02	−12 24.7	2.455	3.317	10.5	21.5
203785 2002 TE_{7}			3 27.6	203°.52	0°.4/27.1	17
2 21	12 48.76	− 3 34.6	2.484	3.294	11.4	21.2
3 2	12 44.14	− 3 7.6	2.394	3.291	8.6	21.0
3 12	12 37.87	− 2 31.3	2.328	3.287	5.4	20.8
3 22	12 30.47	− 1 48.9	2.290	3.283	1.9	20.5
4 1	12 22.61	− 1 4.5	2.283	3.278	1.8	20.5
4 11	12 15.05	− 0 23.0	2.305	3.273	5.3	20.7
4 21	12 8.47	+ 0 11.5	2.354	3.268	8.6	20.9
5 1	12 3.40	+ 0 36.0	2.428	3.263	11.5	21.1
199029 2005 WX_{118}			3 27.6	324°.94	4°.5/24.5	18
2 21	12 51.81	+ 4 18.3	1.255	2.114	17.3	19.9
3 2	12 47.89	+ 5 5.3	1.184	2.107	13.1	19.7
3 12	12 40.92	+ 6 0.9	1.134	2.102	8.4	19.4
3 22	12 31.73	+ 6 56.5	1.107	2.096	4.7	19.1
4 1	12 21.62	+ 7 42.1	1.106	2.091	6.3	19.2
4 11	12 12.16	+ 8 9.0	1.128	2.086	11.0	19.4
4 21	12 4.68	+ 8 12.5	1.172	2.082	15.7	19.7
5 1	12 0.07	+ 7 51.8	1.235	2.078	19.8	19.9
502035 2015 AM_{128}			3 27.6	255°.04	3°.6/30.9	17
2 21	12 50.69	−14 33.8	2.032	2.806	14.8	21.6
3 2	12 46.19	−14 42.5	1.928	2.792	12.0	21.4
3 12	12 39.50	−14 33.3	1.845	2.778	8.7	21.1
3 22	12 31.16	−14 6.2	1.788	2.763	5.3	20.9
4 1	12 22.03	−13 23.7	1.759	2.748	3.7	20.8
4 11	12 13.14	−12 30.8	1.758	2.733	6.0	20.9
4 21	12 5.45	−11 34.2	1.783	2.717	9.7	21.1
5 1	11 59.72	−10 40.7	1.833	2.701	13.2	21.2
253272 2003 AC_{78}			3 27.6	14°.61	11°.9/19.9	18
2 21	12 51.04	+20 27.4	1.095	1.966	18.4	18.8
3 2	12 47.36	+21 37.5	1.058	1.973	15.1	18.6
3 12	12 40.45	+22 32.9	1.040	1.982	12.6	18.5
3 22	12 31.45	+23 1.1	1.043	1.993	11.9	18.5
4 1	12 21.96	+22 53.1	1.067	2.005	13.5	18.6
4 11	12 13.64	+22 6.9	1.111	2.019	16.3	18.8
4 21	12 7.67	+20 46.9	1.174	2.035	19.3	19.1
5 1	12 4.69	+19 0.1	1.253	2.052	22.1	19.3
137576 1999 VZ_{123}			3 27.6	247°.70	0°.5/27.2	17
2 21	12 50.84	− 4 36.7	1.895	2.712	14.1	21.3
3 2	12 46.35	− 3 59.1	1.796	2.696	10.8	21.0
3 12	12 39.62	− 3 6.8	1.720	2.680	6.8	20.7
3 22	12 31.21	− 2 4.1	1.670	2.663	2.4	20.4
4 1	12 22.01	− 0 56.9	1.649	2.645	2.3	20.4
4 11	12 13.08	+ 0 7.3	1.657	2.627	6.9	20.6
4 21	12 5.42	+ 1 1.6	1.690	2.608	11.2	20.8
5 1	11 59.79	+ 1 41.2	1.747	2.588	15.0	21.0
366450 2002 AU_{11}			3 27.6	157°.19	9°.3/10.6	15
2 21	12 57.12	−40 26.1	3.054	3.604	14.2	21.9
3 2	12 50.63	−41 20.0	2.961	3.615	13.1	21.8
3 12	12 42.09	−41 51.9	2.885	3.625	11.8	21.7
3 22	12 32.06	−41 58.4	2.830	3.634	10.5	21.6
4 1	12 21.37	−41 38.0	2.797	3.642	9.6	21.6
4 11	12 11.01	−40 52.2	2.790	3.650	9.3	21.6
4 21	12 1.85	−39 45.6	2.808	3.656	9.6	21.6
5 1	11 54.56	−38 24.6	2.850	3.662	10.6	21.7
407752 2011 WB_{27}			3 27.6	82°.70	3°.4/24.7	18
2 21	12 52.64	+ 2 9.5	1.485	2.329	15.9	21.7
3 2	12 47.74	+ 3 10.8	1.432	2.348	11.8	21.5
3 12	12 40.38	+ 4 20.7	1.402	2.367	7.4	21.2
3 22	12 31.40	+ 5 31.2	1.397	2.386	3.7	21.1
4 1	12 21.98	+ 6 33.3	1.419	2.405	5.0	21.2
4 11	12 13.38	+ 7 19.3	1.467	2.423	9.1	21.5
4 21	12 6.56	+ 7 45.3	1.539	2.441	13.1	21.7
5 1	12 2.16	+ 7 49.9	1.632	2.459	16.5	22.0
170877 2004 JM_{17}			3 27.6	27°.78	3°.5/24.8	18
2 21	12 50.31	+ 5 2.8	1.574	2.423	14.9	19.0
3 2	12 45.87	+ 5 28.1	1.521	2.440	11.1	18.8
3 12	12 39.14	+ 5 57.2	1.491	2.457	7.0	18.6
3 22	12 30.94	+ 6 24.0	1.486	2.475	3.8	18.5
4 1	12 22.34	+ 6 42.4	1.508	2.494	4.9	18.6
4 11	12 14.48	+ 6 47.4	1.556	2.513	8.6	18.8
4 21	12 8.26	+ 6 37.0	1.628	2.534	12.3	19.1
5 1	12 4.27	+ 6 10.7	1.721	2.555	15.5	19.4

67989 2000 XV_{20} 3 27.6 358°.61 11°.9/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 46.88	−31 14.2	1.553	2.261	21.2	17.6
3 2	12 44.20	−32 31.8	1.470	2.258	19.0	17.4
3 12	12 38.68	−33 18.2	1.404	2.256	16.5	17.2
3 22	12 30.96	−33 27.6	1.355	2.255	14.1	17.0
4 1	12 22.20	−32 57.3	1.327	2.255	12.3	16.9
4 11	12 13.88	−31 50.9	1.321	2.256	12.0	16.9
4 21	12 7.30	−30 17.2	1.337	2.257	13.3	17.0
5 1	12 3.44	−28 28.7	1.374	2.260	15.6	17.1

297907 2002 CM_{294} 3 27.6 51°.66 4°.5/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.49	−16 17.5	2.286	3.041	13.9	20.2
3 2	12 47.18	−17 0.3	2.200	3.048	11.4	20.0
3 12	12 39.92	−17 27.9	2.136	3.054	8.5	19.9
3 22	12 31.26	−17 39.5	2.098	3.061	5.8	19.7
4 1	12 22.03	−17 36.0	2.089	3.068	4.5	19.6
4 11	12 13.15	−17 20.6	2.108	3.075	5.9	19.7
4 21	12 5.44	−16 57.8	2.154	3.082	8.6	19.9
5 1	11 59.54	−16 32.8	2.225	3.089	11.3	20.1

185130 2006 SH_{96} 3 27.6 47°.40 1°.1/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.46	−10 51.8	1.382	2.206	18.0	20.0
3 2	12 43.32	− 9 49.1	1.324	2.225	13.9	19.7
3 12	12 37.71	− 8 21.5	1.287	2.244	9.0	19.5
3 22	12 30.46	− 6 35.7	1.274	2.264	3.8	19.3
4 1	12 22.73	− 4 41.8	1.287	2.284	2.1	19.2
4 11	12 15.75	− 2 52.0	1.326	2.305	7.1	19.6
4 21	12 10.50	− 1 16.7	1.391	2.326	11.8	19.9
5 1	12 7.60	− 0 2.7	1.477	2.347	15.7	20.2

333668 2008 SK_{291} 3 27.6 303°.43 6°.7/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.49	−17 56.6	1.730	2.497	17.3	20.0
3 2	12 48.26	−18 55.9	1.617	2.469	14.6	19.7
3 12	12 41.26	−19 37.3	1.524	2.441	11.4	19.5
3 22	12 31.97	−19 57.2	1.454	2.413	8.3	19.2
4 1	12 21.35	−19 54.3	1.409	2.385	6.7	19.0
4 11	12 10.73	−19 31.1	1.390	2.357	8.3	19.1
4 21	12 1.42	−18 53.6	1.396	2.330	11.8	19.2
5 1	11 54.54	−18 10.1	1.425	2.303	15.7	19.3

168366 1996 TC_{42} 3 27.6 219°.91 2°.0/25.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.81	− 0 28.1	1.875	2.702	13.8	20.7
3 2	12 47.01	+ 0 21.4	1.787	2.694	10.4	20.5
3 12	12 39.98	+ 1 22.1	1.722	2.685	6.5	20.2
3 22	12 31.34	+ 2 28.5	1.684	2.676	2.6	20.0
4 1	12 22.00	+ 3 33.4	1.675	2.666	3.6	20.0
4 11	12 13.04	+ 4 29.5	1.695	2.656	7.7	20.2
4 21	12 5.41	+ 5 11.3	1.740	2.644	11.7	20.4
5 1	11 59.84	+ 5 35.4	1.807	2.633	15.2	20.6

501443 2014 AB_{27} 3 27.6 90°.17 8°.2/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.63	+21 35.3	2.313	3.150	11.2	20.9
3 2	12 43.36	+23 39.0	2.280	3.168	9.4	20.8
3 12	12 37.37	+25 33.8	2.272	3.186	8.3	20.8
3 22	12 30.29	+27 11.4	2.292	3.204	8.5	20.8
4 1	12 22.88	+28 25.0	2.339	3.222	9.8	20.9
4 11	12 15.97	+29 11.5	2.410	3.239	11.6	21.1
4 21	12 10.24	+29 30.8	2.503	3.256	13.4	21.2
5 1	12 6.19	+29 25.1	2.613	3.273	15.0	21.4

16337 5087 $T\text{-}_2$ 3 27.6 130°.28 3°.4/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.85	−17 15.3	2.530	3.284	12.7	18.0
3 2	12 42.73	−17 4.2	2.441	3.290	10.3	17.9
3 12	12 37.00	−16 35.8	2.375	3.297	7.6	17.7
3 22	12 30.18	−15 51.4	2.335	3.303	4.9	17.6
4 1	12 22.95	−14 53.9	2.323	3.309	3.4	17.5
4 11	12 16.05	−13 48.3	2.341	3.314	4.9	17.6
4 21	12 10.15	−12 40.1	2.386	3.320	7.6	17.7
5 1	12 5.75	−11 35.1	2.458	3.325	10.3	17.9

346832 2009 DS_{12} 3 27.6 21°.72 5°.7/31.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.38	−15 47.7	1.716	2.492	17.0	19.9
3 2	12 48.43	−16 54.6	1.641	2.501	14.0	19.7
3 12	12 40.97	−17 43.4	1.588	2.511	10.5	19.5
3 22	12 31.72	−18 12.2	1.558	2.522	7.3	19.3
4 1	12 21.73	−18 21.2	1.554	2.534	5.7	19.2
4 11	12 12.26	−18 14.0	1.577	2.546	7.3	19.4
4 21	12 4.37	−17 56.3	1.626	2.559	10.5	19.6
5 1	11 58.84	−17 34.9	1.697	2.573	13.7	19.8

416913 2005 RB_{48} 3 27.6 169°.16 4°.0/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.05	+ 7 37.3	2.020	2.851	12.8	21.4
3 2	12 49.15	+ 8 8.9	1.946	2.853	9.7	21.2
3 12	12 41.14	+ 8 42.0	1.897	2.856	6.4	21.0
3 22	12 31.71	+ 9 11.2	1.875	2.858	4.1	20.8
4 1	12 21.78	+ 9 30.9	1.882	2.859	5.2	20.9
4 11	12 12.37	+ 9 36.8	1.917	2.860	8.3	21.1
4 21	12 4.34	+ 9 27.0	1.979	2.861	11.6	21.3
5 1	11 58.33	+ 9 1.3	2.062	2.862	14.5	21.5

400303 2007 TT_{148} 3 27.6 107°.00 0°.6/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 49.94	− 9 37.4	1.683	2.492	15.9	21.1
3 2	12 45.59	− 8 31.8	1.615	2.509	12.2	20.9
3 12	12 39.00	− 7 5.5	1.570	2.525	7.8	20.6
3 22	12 30.93	− 5 24.2	1.551	2.541	3.1	20.4
4 1	12 22.40	− 3 36.8	1.560	2.557	2.0	20.3
4 11	12 14.51	− 1 53.2	1.598	2.572	6.6	20.7
4 21	12 8.14	− 0 22.3	1.662	2.587	10.9	20.9
5 1	12 3.93	+ 0 49.9	1.749	2.601	14.5	21.2

448073 2008 GA_{91} 3 27.6 213°.66 2°.2/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.85	+ 0 1.7	1.668	2.495	15.3	21.5
3 2	12 50.37	+ 0 41.5	1.581	2.488	11.6	21.3
3 12	12 42.26	+ 1 32.4	1.517	2.480	7.2	21.0
3 22	12 32.22	+ 2 28.8	1.479	2.471	2.9	20.7
4 1	12 21.33	+ 3 23.3	1.470	2.461	3.8	20.7
4 11	12 10.89	+ 4 8.2	1.488	2.450	8.4	21.0
4 21	12 2.02	+ 4 37.9	1.531	2.438	12.9	21.2
5 1	11 55.58	+ 4 49.3	1.597	2.425	16.7	21.4

502389 2015 BD_{246} 3 27.6 87°.06 0°.2/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.61	− 5 7.4	1.893	2.712	14.0	21.9
3 2	12 44.47	− 4 34.3	1.814	2.716	10.6	21.6
3 12	12 38.29	− 3 47.7	1.759	2.719	6.7	21.4
3 22	12 30.70	− 2 51.8	1.730	2.722	2.4	21.1
4 1	12 22.58	− 1 52.5	1.729	2.726	2.0	21.1
4 11	12 14.91	− 0 56.6	1.757	2.729	6.3	21.4
4 21	12 8.53	− 0 9.9	1.810	2.732	10.3	21.6
5 1	12 4.09	+ 0 23.3	1.886	2.736	13.7	21.9

68015 2000 YR_{10} 3 27.6 156°.13 2°.0/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.00	− 0 36.0	1.916	2.741	13.7	20.4
3 2	12 46.95	+ 0 20.1	1.842	2.749	10.2	20.2
3 12	12 39.80	+ 1 26.5	1.793	2.756	6.3	20.0
3 22	12 31.24	+ 2 37.5	1.771	2.762	2.6	19.7
4 1	12 22.17	+ 3 45.8	1.778	2.768	3.5	19.8
4 11	12 13.62	+ 4 44.5	1.813	2.773	7.4	20.0
4 21	12 6.43	+ 5 28.4	1.875	2.777	11.1	20.3
5 1	12 1.24	+ 5 54.7	1.959	2.781	14.4	20.5

241548 2010 FF_{15} 3 27.6 42°.98 1°.7/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.43	+ 0 0.7	2.061	2.890	12.7	20.7
3 2	12 44.16	+ 0 35.0	1.984	2.893	9.5	20.5
3 12	12 38.01	+ 1 17.5	1.931	2.895	5.9	20.3
3 22	12 30.58	+ 2 3.5	1.906	2.898	2.3	20.1
4 1	12 22.68	+ 2 47.6	1.909	2.900	3.0	20.1
4 11	12 15.20	+ 3 24.3	1.940	2.903	6.7	20.4
4 21	12 8.92	+ 3 49.6	1.997	2.906	10.2	20.6
5 1	12 4.41	+ 4 0.8	2.077	2.908	13.3	20.8

7088 Ishtar 3 27.6 41°.54 12°.8/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.19	+14 19.2	0.559	1.456	26.6	17.6
3 2	12 56.50	+16 29.0	0.569	1.505	20.3	17.5
3 12	12 45.65	+18 14.3	0.594	1.556	15.0	17.5
3 22	12 33.03	+19 17.5	0.636	1.607	12.8	17.6
4 1	12 21.23	+19 30.8	0.697	1.659	14.5	17.9
4 11	12 12.25	+18 58.0	0.775	1.711	18.0	18.3
4 21	12 6.95	+17 49.7	0.870	1.762	21.5	18.8
5 1	12 5.41	+16 16.7	0.979	1.814	24.4	19.2

314655 2006 OZ_{12} 3 27.6 209°.68 3°.1/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.30	−13 48.6	2.098	2.871	14.4	21.3
3 2	12 47.27	−13 46.0	1.999	2.865	11.6	21.1
3 12	12 40.12	−13 25.7	1.923	2.858	8.2	20.9
3 22	12 31.41	−12 48.5	1.872	2.850	4.8	20.6
4 1	12 22.00	−11 57.5	1.850	2.842	3.1	20.5
4 11	12 12.91	−10 58.3	1.857	2.833	5.7	20.7
4 21	12 5.03	− 9 57.5	1.892	2.823	9.4	20.9
5 1	11 59.08	− 9 1.6	1.951	2.813	12.8	21.1

357109 2001 UN_{86} 3 27.6 93°.39 1°.0/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.74	− 8 16.7	1.468	2.286	17.4	21.4
3 2	12 48.02	− 7 50.3	1.404	2.302	13.4	21.2
3 12	12 40.69	− 7 4.7	1.361	2.317	8.7	21.0
3 22	12 31.60	− 6 4.1	1.342	2.332	3.6	20.7
4 1	12 21.93	− 4 55.7	1.350	2.347	2.1	20.7
4 11	12 13.01	− 3 48.5	1.385	2.362	7.1	21.0
4 21	12 5.88	− 2 50.7	1.445	2.376	11.7	21.3
5 1	12 1.26	− 2 8.0	1.526	2.390	15.6	21.6

171061 2005 ER_{126} 3 27.6 67°.56 0°.7/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.24	− 3 42.4	1.456	2.289	16.8	21.3
3 2	12 47.60	− 3 14.6	1.396	2.305	12.7	21.1
3 12	12 40.40	− 2 32.5	1.357	2.320	7.9	20.9
3 22	12 31.48	− 1 41.5	1.344	2.336	2.8	20.6
4 1	12 22.04	− 0 48.9	1.357	2.352	2.6	20.6
4 11	12 13.37	− 0 2.7	1.396	2.368	7.6	20.9
4 21	12 6.48	+ 0 31.1	1.460	2.385	12.1	21.2
5 1	12 2.05	+ 0 48.9	1.545	2.401	15.9	21.5

60058 1999 TE_{118} 3 27.6 102°.15 1°.9/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 48.98	−10 37.5	1.976	2.773	14.4	19.7
3 2	12 44.72	−10 25.1	1.893	2.776	11.2	19.5
3 12	12 38.45	− 9 56.2	1.833	2.780	7.6	19.3
3 22	12 30.78	− 9 13.1	1.798	2.784	3.8	19.1
4 1	12 22.55	− 8 20.3	1.792	2.787	2.2	18.9
4 11	12 14.75	− 7 23.8	1.813	2.791	5.6	19.2
4 21	12 8.21	− 6 30.1	1.862	2.794	9.4	19.4
5 1	12 3.57	− 5 44.7	1.934	2.798	12.8	19.6

391386 2006 WK_{149} 3 27.6 214°.86 3°.0/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.89	−15 35.8	2.662	3.422	12.0	21.1
3 2	12 42.75	−15 29.7	2.563	3.418	9.7	20.9
3 12	12 37.04	−15 8.2	2.488	3.414	7.1	20.8
3 22	12 30.23	−14 32.5	2.438	3.410	4.4	20.6
4 1	12 22.97	−13 45.0	2.418	3.406	3.0	20.5
4 11	12 15.96	−12 50.1	2.427	3.401	4.7	20.6
4 21	12 9.86	−11 52.8	2.464	3.396	7.4	20.8
5 1	12 5.18	−10 58.0	2.526	3.391	10.1	20.9

373852 2003 JD_5 3 27.6 318°.02 2°.4/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 44.31	−13 47.7	1.634	2.439	16.6	20.2
3 2	12 41.74	−13 4.6	1.540	2.426	13.2	19.9
3 12	12 36.86	−11 55.3	1.467	2.414	9.1	19.7
3 22	12 30.27	−10 22.4	1.417	2.402	4.7	19.4
4 1	12 22.91	− 8 32.5	1.395	2.390	2.6	19.2
4 11	12 15.93	− 6 36.2	1.399	2.379	6.5	19.4
4 21	12 10.32	− 4 44.5	1.429	2.369	11.1	19.6
5 1	12 6.87	− 3 7.2	1.482	2.359	15.3	19.9

126368 2002 AB_{187} 3 27.6 103°.70 3°.6/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.69	−13 53.4	2.013	2.786	15.0	20.3
3 2	12 48.20	−14 12.1	1.937	2.801	12.0	20.1
3 12	12 40.60	−14 13.9	1.884	2.816	8.6	19.9
3 22	12 31.55	−13 59.4	1.856	2.831	5.2	19.7
4 1	12 21.99	−13 31.1	1.857	2.846	3.6	19.7
4 11	12 12.93	−12 54.0	1.886	2.860	5.8	19.8
4 21	12 5.27	−12 14.0	1.942	2.874	9.1	20.0
5 1	11 59.62	−11 36.9	2.023	2.888	12.3	20.3

141258 2001 YL_{20} 3 27.6 190°.19 0°.1/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.88	− 4 47.9	2.499	3.307	11.4	20.3
3 2	12 43.48	− 4 24.3	2.411	3.306	8.7	20.1
3 12	12 37.49	− 3 50.7	2.348	3.305	5.5	19.9
3 22	12 30.40	− 3 10.3	2.312	3.304	2.0	19.7
4 1	12 22.88	− 2 27.0	2.307	3.303	1.6	19.6
4 11	12 15.66	− 1 45.5	2.330	3.302	5.1	19.9
4 21	12 9.42	− 1 9.8	2.381	3.300	8.3	20.1
5 1	12 4.65	− 0 43.5	2.457	3.298	11.2	20.2

417448 2006 PM_6 3 27.6 216°.12 1°.3/28.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.72	− 7 55.7	2.218	3.008	13.2	22.0
3 2	12 48.98	− 7 52.9	2.117	2.998	10.3	21.8
3 12	12 41.15	− 7 37.7	2.039	2.988	6.9	21.5
3 22	12 31.80	− 7 11.6	1.989	2.976	3.1	21.3
4 1	12 21.75	− 6 38.1	1.968	2.964	1.8	21.2
4 11	12 11.97	− 6 2.0	1.978	2.952	5.6	21.4
4 21	12 3.34	− 5 28.1	2.015	2.938	9.4	21.6
5 1	11 56.58	− 5 1.2	2.078	2.923	12.8	21.8

388364 2006 UK_{36} 3 27.6 124°.64 2°.1/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.93	+ 3 15.6	2.544	3.368	10.7	21.5
3 2	12 44.89	+ 3 41.2	2.470	3.375	8.0	21.4
3 12	12 38.29	+ 4 10.7	2.421	3.383	5.0	21.2
3 22	12 30.67	+ 4 40.5	2.401	3.391	2.4	21.0
4 1	12 22.69	+ 5 6.2	2.411	3.398	3.2	21.1
4 11	12 15.11	+ 5 24.3	2.450	3.405	6.0	21.3
4 21	12 8.53	+ 5 32.2	2.517	3.412	8.9	21.5
5 1	12 3.47	+ 5 28.7	2.607	3.419	11.5	21.7

288738 2004 RY_{52} 3 27.6 236°.65 1°.0/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.18	− 3 29.5	1.745	2.568	14.9	21.5
3 2	12 47.55	− 2 47.0	1.651	2.555	11.4	21.2
3 12	12 40.49	− 1 49.7	1.580	2.542	7.1	20.9
3 22	12 31.62	− 0 42.3	1.535	2.528	2.5	20.6
4 1	12 21.90	+ 0 28.0	1.519	2.513	2.8	20.6
4 11	12 12.53	+ 1 33.0	1.530	2.498	7.6	20.9
4 21	12 4.55	+ 2 25.7	1.566	2.482	12.1	21.1
5 1	11 58.80	+ 3 1.3	1.625	2.465	16.0	21.3

430316 2013 YD_7 3 27.6 112°.78 0°.5/28.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.60	− 6 43.6	2.106	2.915	13.2	21.5
3 2	12 44.28	− 6 19.9	2.025	2.919	10.1	21.3
3 12	12 38.10	− 5 43.3	1.968	2.924	6.5	21.1
3 22	12 30.65	− 4 56.9	1.938	2.929	2.6	20.8
4 1	12 22.71	− 4 5.6	1.936	2.933	1.7	20.8
4 11	12 15.18	− 3 15.0	1.963	2.937	5.6	21.1
4 21	12 8.82	− 2 30.6	2.017	2.942	9.3	21.3
5 1	12 4.23	− 1 56.6	2.094	2.946	12.5	21.5

208475 2001 UX_{126} 3 27.6 128°.51 2°.4/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 48.52	+ 3 33.9	2.583	3.409	10.5	20.8
3 2	12 43.81	+ 4 15.7	2.512	3.419	7.8	20.6
3 12	12 37.60	+ 5 1.7	2.467	3.429	4.9	20.5
3 22	12 30.42	+ 5 47.5	2.451	3.439	2.6	20.3
4 1	12 22.91	+ 6 28.6	2.465	3.448	3.5	20.4
4 11	12 15.78	+ 7 0.8	2.508	3.457	6.2	20.6
4 21	12 9.64	+ 7 21.3	2.577	3.466	9.0	20.8
5 1	12 4.94	+ 7 28.8	2.671	3.475	11.4	20.9

230648 Zikmund 3 27.6 200°.43 0°.6/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.30	− 3 47.7	2.274	3.088	12.1	21.2
3 2	12 43.97	− 3 6.9	2.186	3.086	9.2	21.0
3 12	12 37.88	− 2 15.0	2.123	3.083	5.7	20.7
3 22	12 30.57	− 1 16.0	2.087	3.080	2.0	20.5
4 1	12 22.77	− 0 15.1	2.081	3.076	2.1	20.5
4 11	12 15.31	+ 0 41.7	2.105	3.073	5.8	20.7
4 21	12 8.90	+ 1 29.6	2.155	3.068	9.3	20.9
5 1	12 4.13	+ 2 4.8	2.229	3.064	12.4	21.1

505239 2012 UX_{60} 3 27.6 151°.62 0°.9/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.82	− 1 52.6	2.789	3.600	10.2	22.4
3 2	12 43.22	− 1 17.0	2.709	3.608	7.7	22.2
3 12	12 37.21	− 0 34.0	2.655	3.615	4.7	22.0
3 22	12 30.28	+ 0 12.9	2.630	3.622	1.7	21.8
4 1	12 23.02	+ 0 59.6	2.635	3.628	2.0	21.8
4 11	12 16.08	+ 1 41.9	2.670	3.634	5.0	22.1
4 21	12 10.02	+ 2 16.3	2.734	3.640	7.9	22.2
5 1	12 5.30	+ 2 40.5	2.822	3.645	10.4	22.4

132608 2002 KV_{10} 3 27.6 287°.05 2°.2/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.11	−11 26.4	1.552	2.363	17.0	20.1
3 2	12 44.77	−11 2.5	1.460	2.351	13.4	19.9
3 12	12 38.88	−10 15.6	1.388	2.339	9.2	19.6
3 22	12 31.06	− 9 7.9	1.341	2.327	4.5	19.3
4 1	12 22.35	− 7 45.3	1.319	2.315	2.5	19.1
4 11	12 14.01	− 6 17.3	1.324	2.304	7.0	19.3
4 21	12 7.18	− 4 53.7	1.354	2.292	11.8	19.6
5 1	12 2.73	− 3 43.3	1.406	2.280	16.1	19.8

151052 2001 VN_1 3 27.6 95°.26 1°.0/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.75	− 8 22.2	1.934	2.735	14.5	21.2
3 2	12 46.66	− 7 59.1	1.868	2.757	11.1	21.0
3 12	12 39.56	− 7 21.1	1.826	2.778	7.2	20.9
3 22	12 31.16	− 6 31.7	1.810	2.799	3.1	20.6
4 1	12 22.37	− 5 36.0	1.822	2.819	1.8	20.6
4 11	12 14.17	− 4 40.7	1.864	2.839	5.7	20.9
4 21	12 7.36	− 3 51.4	1.932	2.858	9.5	21.1
5 1	12 2.52	− 3 12.9	2.024	2.878	12.7	21.4

285950 2001 RS_{21} 3 27.6 164°.80 0°.8/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.44	− 4 35.5	1.767	2.585	14.9	21.7
3 2	12 47.50	− 3 45.1	1.689	2.590	11.3	21.5
3 12	12 40.29	− 2 39.8	1.634	2.595	7.1	21.3
3 22	12 31.49	− 1 24.7	1.607	2.599	2.5	21.0
4 1	12 22.09	− 0 7.3	1.607	2.602	2.6	21.0
4 11	12 13.21	+ 1 4.1	1.636	2.605	7.1	21.3
4 21	12 5.81	+ 2 2.9	1.692	2.607	11.3	21.5
5 1	12 0.57	+ 2 44.4	1.769	2.608	14.9	21.8

64892 2001 YW_{76} 3 27.6 243°.04 2°.6/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.16	+ 0 56.7	1.742	2.574	14.5	19.7
3 2	12 48.31	+ 1 42.3	1.650	2.559	11.0	19.4
3 12	12 40.98	+ 2 38.5	1.580	2.544	6.9	19.1
3 22	12 31.81	+ 3 39.5	1.538	2.529	3.1	18.9
4 1	12 21.79	+ 4 37.9	1.523	2.512	4.1	18.9
4 11	12 12.11	+ 5 25.8	1.536	2.495	8.5	19.1
4 21	12 3.85	+ 5 57.8	1.574	2.478	12.8	19.3
5 1	11 57.85	+ 6 10.7	1.633	2.460	16.5	19.5

87048 2000 KT_{20} 3 27.6 252°.86 2°.3/25.4 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.56	+ 0 53.1	1.958	2.788	13.2	19.8
3 2	12 46.05	+ 1 36.9	1.865	2.774	10.0	19.5
3 12	12 39.41	+ 2 30.1	1.796	2.760	6.2	19.3
3 22	12 31.20	+ 3 27.4	1.754	2.745	2.7	19.0
4 1	12 22.30	+ 4 22.4	1.741	2.730	3.7	19.0
4 11	12 13.71	+ 5 8.3	1.755	2.714	7.6	19.2
4 21	12 6.34	+ 5 40.4	1.796	2.699	11.5	19.4
5 1	12 0.93	+ 5 55.5	1.858	2.682	14.9	19.6

508693 2017 UK_{18} 3 27.6 247°.42 1°.3/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.99	− 0 48.4	2.061	2.884	12.9	21.4
3 2	12 46.24	− 0 22.9	1.969	2.874	9.8	21.2
3 12	12 39.46	+ 0 11.6	1.901	2.863	6.1	21.0
3 22	12 31.21	+ 0 51.0	1.860	2.853	2.3	20.7
4 1	12 22.32	+ 1 30.2	1.848	2.842	2.7	20.7
4 11	12 13.75	+ 2 3.6	1.865	2.830	6.7	20.9
4 21	12 6.38	+ 2 26.9	1.908	2.819	10.5	21.1
5 1	12 0.86	+ 2 36.9	1.974	2.807	13.8	21.3

429617 2011 FT_{30} 3 27.6 295°.82 3°.3/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 48.51	+ 3 21.8	1.838	2.680	13.4	21.1
3 2	12 44.65	+ 4 12.2	1.747	2.662	10.1	20.9
3 12	12 38.59	+ 5 10.7	1.680	2.645	6.5	20.6
3 22	12 30.92	+ 6 11.1	1.639	2.628	3.5	20.4
4 1	12 22.53	+ 7 6.1	1.626	2.610	4.8	20.4
4 11	12 14.45	+ 7 48.7	1.640	2.593	8.6	20.6
4 21	12 7.64	+ 8 14.1	1.678	2.576	12.4	20.8
5 1	12 2.84	+ 8 19.9	1.738	2.560	15.9	21.0

480454 2015 KX_{159} 3 27.6 289°.06 7°.5/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.35	+19 7.2	2.311	3.150	11.2	21.1
3 2	12 44.15	+20 28.2	2.232	3.128	9.2	20.9
3 12	12 38.09	+21 44.9	2.177	3.107	7.7	20.8
3 22	12 30.70	+22 49.8	2.149	3.085	7.6	20.8
4 1	12 22.73	+23 35.9	2.148	3.064	9.0	20.8
4 11	12 15.07	+23 58.8	2.173	3.042	11.1	20.9
4 21	12 8.49	+23 57.0	2.219	3.020	13.5	21.0
5 1	12 3.62	+23 31.6	2.285	2.999	15.6	21.1

315373 2007 VS_{38} 3 27.6 148°.41 0°.6/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.22	− 4 41.2	2.174	2.981	12.9	22.1
3 2	12 46.87	− 3 51.2	2.099	2.994	9.7	21.9
3 12	12 39.67	− 2 49.0	2.048	3.006	6.1	21.7
3 22	12 31.22	− 1 39.3	2.025	3.017	2.1	21.5
4 1	12 22.36	− 0 27.9	2.033	3.028	2.1	21.5
4 11	12 13.98	+ 0 38.5	2.070	3.037	6.0	21.8
4 21	12 6.82	+ 1 34.7	2.135	3.046	9.6	22.0
5 1	12 1.46	+ 2 16.9	2.224	3.053	12.6	22.2

37349 2001 SV_{291} 3 27.6 59°.43 6°.4/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.26	+ 9 20.8	1.588	2.445	14.4	18.3
3 2	12 44.42	+11 4.6	1.539	2.459	10.9	18.1
3 12	12 38.33	+12 50.2	1.514	2.473	7.7	17.9
3 22	12 30.76	+14 27.0	1.515	2.487	6.5	17.9
4 1	12 22.75	+15 45.1	1.543	2.502	8.2	18.0
4 11	12 15.42	+16 37.6	1.595	2.517	11.3	18.2
4 21	12 9.67	+17 2.1	1.670	2.531	14.5	18.4
5 1	12 6.08	+16 59.7	1.764	2.546	17.2	18.7

406853 2009 BQ_{63} 3 27.6 338°.35 3°.4/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.26	−10 24.2	1.351	2.169	18.7	21.4
3 2	12 48.25	−10 52.4	1.271	2.164	14.9	21.1
3 12	12 41.25	−11 1.5	1.209	2.159	10.3	20.8
3 22	12 31.99	−10 51.6	1.171	2.155	5.6	20.6
4 1	12 21.70	−10 25.9	1.157	2.151	3.6	20.4
4 11	12 11.92	− 9 51.1	1.169	2.148	7.6	20.6
4 21	12 3.97	− 9 15.3	1.204	2.145	12.5	20.9
5 1	11 58.84	− 8 46.0	1.260	2.143	16.9	21.2

2979 Murmansk 3 27.6 205°.42 2°.6/24.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.13	+ 3 26.7	2.764	3.592	9.8	18.1
3 2	12 42.05	+ 4 28.1	2.679	3.588	7.3	17.9
3 12	12 36.55	+ 5 35.0	2.621	3.583	4.6	17.8
3 22	12 30.08	+ 6 42.4	2.592	3.578	2.6	17.6
4 1	12 23.24	+ 7 45.5	2.593	3.573	3.7	17.7
4 11	12 16.66	+ 8 39.2	2.623	3.568	6.3	17.8
4 21	12 10.92	+ 9 20.4	2.681	3.562	9.0	18.0
5 1	12 6.50	+ 9 46.9	2.762	3.555	11.4	18.2

157439 2004 VW_{6} 3 27.6 273°.36 1°.3/29.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.42	− 9 49.2	1.967	2.770	14.2	20.3
3 2	12 43.71	− 9 19.1	1.869	2.757	11.1	20.1
3 12	12 37.95	− 8 31.3	1.793	2.745	7.4	19.8
3 22	12 30.69	− 7 28.5	1.744	2.732	3.4	19.5
4 1	12 22.75	− 6 15.9	1.722	2.719	1.9	19.4
4 11	12 15.11	− 5 0.6	1.729	2.706	5.9	19.6
4 21	12 8.64	− 3 50.0	1.763	2.693	10.0	19.8
5 1	12 4.05	− 2 50.5	1.820	2.680	13.6	20.0

154560 2003 HV_{11} 3 27.6 296°.35 8°.9/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.28	+17 49.8	1.730	2.580	13.8	19.7
3 2	12 46.19	+19 21.0	1.656	2.561	11.2	19.5
3 12	12 39.65	+20 48.3	1.605	2.542	9.3	19.4
3 22	12 31.34	+22 1.4	1.579	2.524	9.1	19.3
4 1	12 22.27	+22 50.7	1.578	2.506	10.7	19.4
4 11	12 13.63	+23 10.2	1.601	2.487	13.5	19.5
4 21	12 6.47	+22 58.4	1.645	2.469	16.4	19.6
5 1	12 1.58	+22 17.5	1.706	2.451	19.1	19.8

404336 2013 FW_{20} 3 27.6 55°.59 1°.3/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.92	− 0 54.0	1.397	2.235	17.1	21.3
3 2	12 49.92	− 0 45.0	1.328	2.239	13.0	21.0
3 12	12 42.07	− 0 25.1	1.280	2.244	8.1	20.8
3 22	12 32.22	+ 0 0.9	1.256	2.249	2.9	20.5
4 1	12 21.63	+ 0 26.5	1.259	2.254	3.2	20.5
4 11	12 11.74	+ 0 45.1	1.288	2.259	8.3	20.8
4 21	12 3.74	+ 0 51.8	1.341	2.265	13.0	21.1
5 1	11 58.45	+ 0 43.7	1.415	2.270	17.1	21.3

182651 2001 UD_{178} 3 27.6 223°.62 1°.6/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 51.49	− 0 1.2	2.493	3.307	11.2	21.7
3 2	12 46.30	+ 0 39.6	2.393	3.294	8.4	21.5
3 12	12 39.36	+ 1 28.3	2.319	3.280	5.3	21.2
3 22	12 31.17	+ 2 21.0	2.273	3.265	2.1	21.0
4 1	12 22.41	+ 3 12.7	2.258	3.249	2.8	21.0
4 11	12 13.90	+ 3 58.3	2.274	3.232	6.2	21.2
4 21	12 6.36	+ 4 33.5	2.316	3.215	9.5	21.4
5 1	12 0.39	+ 4 55.7	2.384	3.196	12.4	21.5

380556 2004 PN_{48} 3 27.6 216°.15 1°.2/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.30	− 9 20.9	2.566	3.351	11.8	22.5
3 2	12 45.39	− 8 59.5	2.463	3.341	9.2	22.3
3 12	12 38.77	− 8 25.3	2.383	3.330	6.1	22.1
3 22	12 30.95	− 7 40.1	2.332	3.319	2.8	21.8
4 1	12 22.59	− 6 47.7	2.311	3.307	1.6	21.7
4 11	12 14.46	− 5 52.8	2.320	3.294	4.8	21.9
4 21	12 7.27	− 5 0.5	2.357	3.281	8.2	22.1
5 1	12 1.61	− 4 15.4	2.420	3.266	11.2	22.3

506637 2006 RD_{6} 3 27.6 176°.18 0°.1/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.60	− 3 24.5	3.028	3.826	9.9	22.2
3 2	12 45.23	− 3 14.9	2.938	3.828	7.5	22.0
3 12	12 38.48	− 2 58.5	2.874	3.830	4.7	21.8
3 22	12 30.79	− 2 37.5	2.840	3.831	1.7	21.6
4 1	12 22.74	− 2 14.8	2.836	3.832	1.4	21.6
4 11	12 14.96	− 1 53.6	2.863	3.832	4.4	21.8
4 21	12 8.02	− 1 36.6	2.919	3.832	7.2	22.0
5 1	12 2.37	− 1 26.3	3.002	3.831	9.7	22.1

359046 2008 XL_{36} 3 27.6 5°.20 7°.2/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.84	−17 57.9	1.085	1.900	22.5	20.1
3 2	12 43.92	−18 41.1	1.017	1.899	18.7	19.9
3 12	12 38.75	−18 52.7	0.965	1.900	14.2	19.6
3 22	12 31.13	−18 30.2	0.932	1.902	9.8	19.4
4 1	12 22.44	−17 36.1	0.920	1.905	7.3	19.2
4 11	12 14.42	−16 19.7	0.930	1.910	9.1	19.4
4 21	12 8.54	−14 54.2	0.962	1.916	13.4	19.6
5 1	12 5.77	−13 33.0	1.013	1.923	17.8	19.9

134448 1998 SX_{80} 3 27.6 177°.33 0°.9/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.57	− 7 58.4	2.113	2.911	13.5	20.7
3 2	12 46.58	− 7 34.3	2.026	2.913	10.4	20.5
3 12	12 39.62	− 6 56.0	1.962	2.915	6.8	20.3
3 22	12 31.27	− 6 6.3	1.926	2.915	2.9	20.0
4 1	12 22.37	− 5 10.1	1.919	2.916	1.7	20.0
4 11	12 13.87	− 4 13.4	1.941	2.916	5.6	20.2
4 21	12 6.59	− 3 22.1	1.991	2.915	9.4	20.4
5 1	12 1.15	− 2 40.8	2.065	2.913	12.7	20.6

199549 2006 EQ_{11} 3 27.6 303°.76 1°.1/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.96	− 2 46.4	1.944	2.770	13.4	21.3
3 2	12 43.99	− 2 3.5	1.863	2.769	10.1	21.1
3 12	12 38.03	− 1 8.8	1.806	2.769	6.3	20.9
3 22	12 30.70	− 0 7.1	1.775	2.768	2.3	20.6
4 1	12 22.82	+ 0 55.4	1.773	2.767	2.6	20.6
4 11	12 15.36	+ 1 51.8	1.799	2.767	6.7	20.9
4 21	12 9.12	+ 2 36.6	1.851	2.766	10.5	21.1
5 1	12 4.75	+ 3 6.3	1.926	2.766	13.8	21.3

287608 2003 GW_{39} 3 27.6 296°.16 3°.5/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.80	+ 6 48.0	2.344	3.178	11.1	21.1
3 2	12 44.27	+ 7 26.8	2.266	3.176	8.4	20.9
3 12	12 38.04	+ 8 7.9	2.213	3.174	5.5	20.7
3 22	12 30.67	+ 8 46.6	2.189	3.172	3.5	20.5
4 1	12 22.86	+ 9 17.8	2.193	3.170	4.6	20.6
4 11	12 15.42	+ 9 37.3	2.225	3.168	7.4	20.8
4 21	12 9.04	+ 9 42.7	2.283	3.166	10.3	21.0
5 1	12 4.26	+ 9 32.9	2.364	3.163	12.9	21.1

55570 2002 CV_{78} 3 27.6 267°.16 1°.2/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.11	− 2 53.4	1.585	2.417	15.7	19.8
3 2	12 46.99	− 2 17.6	1.494	2.403	12.0	19.5
3 12	12 40.28	− 1 27.1	1.425	2.389	7.5	19.2
3 22	12 31.63	− 0 26.6	1.382	2.375	2.7	18.9
4 1	12 22.06	+ 0 36.4	1.365	2.360	3.0	18.8
4 11	12 12.86	+ 1 33.5	1.375	2.345	8.1	19.1
4 21	12 5.16	+ 2 17.5	1.410	2.330	12.8	19.3
5 1	11 59.85	+ 2 43.5	1.466	2.315	16.9	19.6

323443 2004 HP_{9} 3 27.6 351°.45 3°.4/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.37	+ 4 36.7	1.568	2.410	15.3	20.1
3 2	12 49.27	+ 4 54.3	1.494	2.408	11.6	19.9
3 12	12 41.58	+ 5 16.5	1.443	2.407	7.4	19.6
3 22	12 32.04	+ 5 37.4	1.416	2.406	3.7	19.4
4 1	12 21.80	+ 5 51.0	1.417	2.405	4.8	19.5
4 11	12 12.16	+ 5 51.8	1.445	2.404	8.9	19.7
4 21	12 4.21	+ 5 37.1	1.497	2.404	13.1	19.9
5 1	11 58.72	+ 5 6.1	1.569	2.404	16.7	20.2

114013 2002 UJ_{40} 3 27.6 57°.15 4°.3/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 47.08	+ 6 58.1	2.065	2.909	12.1	19.6
3 2	12 43.15	+ 8 9.2	1.998	2.913	9.0	19.4
3 12	12 37.41	+ 9 24.0	1.956	2.917	6.0	19.3
3 22	12 30.45	+10 35.6	1.942	2.922	4.3	19.2
4 1	12 23.05	+11 36.9	1.955	2.926	5.7	19.2
4 11	12 16.10	+12 22.3	1.996	2.931	8.6	19.4
4 21	12 10.33	+12 48.6	2.062	2.935	11.6	19.6
5 1	12 6.29	+12 54.9	2.149	2.940	14.3	19.8

214970 2008 AT 3 27.6 278°.62 7°.1/19.1 17

2 21	12 50.05	+19 13.9	2.360	3.195	11.1	20.5
3 2	12 45.24	+20 16.2	2.296	3.191	9.0	20.3
3 12	12 38.66	+21 12.4	2.256	3.187	7.5	20.2
3 22	12 30.89	+21 55.9	2.243	3.183	7.1	20.2
4 1	12 22.72	+22 21.2	2.258	3.179	8.3	20.3
4 11	12 14.98	+22 25.1	2.297	3.175	10.3	20.4
4 21	12 8.39	+22 7.2	2.361	3.171	12.5	20.5
5 1	12 3.49	+21 28.9	2.444	3.167	14.5	20.7

240058 2001 WM_{81} 3 27.7 215°.12 4°.4/21.8 18

2 21	12 49.03	+11 26.3	2.705	3.538	9.9	21.3
3 2	12 44.26	+12 19.8	2.626	3.531	7.6	21.2
3 12	12 37.97	+13 13.0	2.573	3.525	5.4	21.0
3 22	12 30.64	+14 0.8	2.548	3.517	4.4	21.0
4 1	12 22.91	+14 38.3	2.553	3.510	5.5	21.0
4 11	12 15.49	+15 1.7	2.586	3.502	7.7	21.1
4 21	12 8.99	+15 9.2	2.645	3.494	10.2	21.3
5 1	12 3.92	+15 0.4	2.726	3.485	12.3	21.4

386784 2010 EY_{18} 3 27.7 270°.20 6°.5/19.3 17

2 21	12 47.27	+15 8.8	2.259	3.103	11.2	20.6
3 2	12 43.25	+16 32.5	2.192	3.098	8.8	20.5
3 12	12 37.47	+17 53.9	2.150	3.093	7.0	20.3
3 22	12 30.49	+19 5.6	2.135	3.088	6.5	20.3
4 1	12 23.05	+20 1.0	2.148	3.083	7.9	20.4
4 11	12 15.99	+20 35.3	2.187	3.078	10.1	20.5
4 21	12 10.03	+20 46.8	2.249	3.073	12.6	20.6
5 1	12 5.74	+20 36.1	2.331	3.068	14.8	20.8

239522 2008 OG_{24} 3 27.7 139°.85 1°.6/29.3 17

2 21	12 50.60	− 9 43.7	2.231	3.021	13.1	21.3
3 2	12 45.72	− 9 32.1	2.149	3.030	10.2	21.1
3 12	12 39.01	− 9 6.5	2.091	3.038	6.9	20.9
3 22	12 31.05	− 8 29.2	2.059	3.045	3.3	20.7
4 1	12 22.62	− 7 44.1	2.057	3.052	1.9	20.6
4 11	12 14.60	− 6 56.4	2.083	3.059	5.2	20.9
4 21	12 7.73	− 6 11.3	2.138	3.066	8.6	21.1
5 1	12 2.59	− 5 33.4	2.217	3.072	11.7	21.3

427851 2005 MD_{37} 3 27.7 251°.90 5°.7/19.9 17

2 21	12 46.20	+12 42.5	2.329	3.173	10.9	20.6
3 2	12 42.39	+14 11.6	2.260	3.169	8.4	20.5
3 12	12 36.90	+15 40.6	2.217	3.166	6.4	20.3
3 22	12 30.27	+17 2.1	2.202	3.162	5.8	20.3
4 1	12 23.21	+18 9.5	2.215	3.158	7.1	20.3
4 11	12 16.49	+18 57.5	2.254	3.154	9.5	20.5
4 21	12 10.81	+19 23.8	2.318	3.150	12.0	20.6
5 1	12 6.70	+19 28.4	2.402	3.146	14.2	20.8

371069 2005 UT_{280} 3 27.7 61°.77 3°.3/25.1 18

2 21	12 54.20	+ 4 30.3	1.633	2.473	14.9	20.6
3 2	12 48.79	+ 4 57.9	1.578	2.491	11.2	20.4
3 12	12 41.04	+ 5 29.9	1.545	2.509	7.0	20.2
3 22	12 31.78	+ 6 0.2	1.539	2.527	3.6	20.0
4 1	12 22.11	+ 6 22.6	1.560	2.546	4.7	20.1
4 11	12 13.21	+ 6 32.1	1.608	2.564	8.4	20.4
4 21	12 6.00	+ 6 26.4	1.681	2.583	12.2	20.6
5 1	12 1.08	+ 6 4.9	1.775	2.602	15.4	20.9

501486 2014 CK_5 3 27.7 95°.51 0°.1/27.7 17

2 21	12 49.56	− 4 47.9	2.336	3.144	12.1	21.8
3 2	12 44.77	− 4 29.2	2.264	3.158	9.2	21.6
3 12	12 38.32	− 4 0.7	2.216	3.173	5.8	21.4
3 22	12 30.77	− 3 25.4	2.195	3.187	2.1	21.2
4 1	12 22.86	− 2 47.4	2.204	3.201	1.6	21.1
4 11	12 15.38	− 2 11.4	2.243	3.215	5.2	21.4
4 21	12 9.00	− 1 41.5	2.309	3.228	8.5	21.6
5 1	12 4.22	− 1 20.8	2.399	3.242	11.4	21.9

228316 2000 QE_{32} 3 27.7 255°.29 0°.3/27.4 17

2 21	12 52.50	− 3 29.5	2.098	2.909	13.1	20.7
3 2	12 47.49	− 3 14.9	1.994	2.891	10.1	20.5
3 12	12 40.35	− 2 49.6	1.914	2.872	6.4	20.2
3 22	12 31.63	− 2 16.8	1.861	2.853	2.3	19.9
4 1	12 22.14	− 1 40.8	1.838	2.834	2.0	19.8
4 11	12 12.88	− 1 7.0	1.843	2.813	6.3	20.1
4 21	12 4.76	− 0 40.2	1.875	2.793	10.3	20.3
5 1	11 58.53	− 0 24.2	1.931	2.772	13.8	20.4

177048 2003 EX_7 3 27.7 301°.48 4°.4/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 48.83	−17 14.8	2.264	3.021	14.0	19.9
3 2	12 44.61	−17 37.5	2.164	3.013	11.5	19.7
3 12	12 38.46	−17 43.1	2.086	3.005	8.7	19.5
3 22	12 30.91	−17 31.5	2.034	2.997	5.9	19.3
4 1	12 22.71	−17 3.9	2.008	2.989	4.4	19.2
4 11	12 14.76	−16 24.4	2.011	2.982	5.8	19.3
4 21	12 7.88	−15 38.3	2.040	2.974	8.7	19.4
5 1	12 2.74	−14 51.6	2.094	2.966	11.6	19.6

153916 2001 XA_{257} 3 27.7 142°.80 5°.1/21.5 18

2 21	12 49.74	+ 9 11.6	2.145	2.985	11.8	20.7
3 2	12 45.07	+10 41.5	2.084	2.995	9.0	20.5
3 12	12 38.58	+12 13.3	2.049	3.004	6.3	20.3
3 22	12 30.89	+13 39.4	2.041	3.013	5.1	20.3
4 1	12 22.79	+14 52.2	2.063	3.022	6.5	20.4
4 11	12 15.18	+15 46.2	2.112	3.029	9.2	20.5
4 21	12 8.76	+16 18.7	2.186	3.037	11.9	20.7
5 1	12 4.11	+16 29.4	2.281	3.044	14.4	20.9

57808 2001 VF_{122} 3 27.7 118°.71 6°.1/19.2 18

2 21	12 46.62	+14 14.4	2.358	3.201	10.8	19.5
3 2	12 42.64	+15 50.4	2.301	3.207	8.4	19.3
3 12	12 37.03	+17 24.5	2.269	3.213	6.6	19.2
3 22	12 30.33	+18 49.2	2.266	3.219	6.2	19.2
4 1	12 23.25	+19 57.8	2.291	3.225	7.5	19.3
4 11	12 16.58	+20 45.8	2.342	3.230	9.7	19.4
4 21	12 10.97	+21 11.3	2.417	3.236	12.0	19.6
5 1	12 6.91	+21 14.8	2.512	3.241	14.0	19.8

89726 2001 YA_{134} 3 27.7 251°.22 0°.8/26.9 18 R

2 21	12 51.98	− 2 28.8	2.073	2.889	13.1	19.8
3 2	12 47.10	− 2 5.7	1.972	2.872	10.0	19.5
3 12	12 40.11	− 1 32.1	1.895	2.855	6.3	19.3
3 22	12 31.55	− 0 51.7	1.846	2.838	2.3	19.0
4 1	12 22.26	− 0 9.4	1.825	2.820	2.3	18.9
4 11	12 13.23	+ 0 29.1	1.833	2.801	6.5	19.1
4 21	12 5.35	+ 0 58.9	1.868	2.783	10.5	19.3
5 1	11 59.36	+ 1 16.2	1.926	2.763	14.0	19.5

383706 2007 TA_{445} 3 27.7 261°.46 2°.9/30.5 18

2 21	12 47.10	−18 34.4	1.246	2.046	21.0	20.6
3 2	12 44.67	−17 5.2	1.152	2.033	17.0	20.3
3 12	12 39.19	−14 49.7	1.077	2.021	12.0	19.9
3 22	12 31.35	−11 50.0	1.024	2.008	6.4	19.6
4 1	12 22.40	− 8 17.6	0.998	1.994	3.1	19.3
4 11	12 13.93	− 4 33.7	1.000	1.981	8.3	19.6
4 21	12 7.33	− 1 1.5	1.027	1.967	14.3	19.8
5 1	12 3.63	+ 2 0.3	1.076	1.953	19.7	20.1

387419 2013 UD_{12} 3 27.7 225°.40 0°.8/28.6 17

2 21	12 51.53	− 7 33.9	2.574	3.363	11.6	21.6
3 2	12 46.35	− 7 15.2	2.467	3.349	9.0	21.4
3 12	12 39.44	− 6 44.9	2.384	3.334	5.9	21.2
3 22	12 31.26	− 6 5.1	2.330	3.319	2.5	20.9
4 1	12 22.51	− 5 19.3	2.306	3.302	1.5	20.8
4 11	12 13.96	− 4 32.2	2.312	3.285	5.0	21.0
4 21	12 6.34	− 3 48.4	2.347	3.267	8.4	21.2
5 1	12 0.25	− 3 12.1	2.408	3.249	11.4	21.4

2654 Ristenpart 3 27.7 309°.49 1°.2/29.0 18

2 21	12 45.62	− 9 43.3	2.108	2.911	13.4	17.5
3 2	12 42.20	− 9 12.0	2.014	2.903	10.4	17.3
3 12	12 36.94	− 8 24.3	1.943	2.895	6.9	17.1
3 22	12 30.36	− 7 23.2	1.899	2.887	3.1	16.8
4 1	12 23.21	− 6 13.5	1.882	2.879	1.7	16.7
4 11	12 16.38	− 5 1.8	1.894	2.871	5.5	16.9
4 21	12 10.62	− 3 54.8	1.933	2.864	9.2	17.1
5 1	12 6.57	− 2 58.1	1.996	2.857	12.6	17.3

184490 2005 OE_{21} 3 27.7 202°.52 1°.3/29.2 17

2 21	12 48.56	− 8 54.5	2.814	3.599	10.8	21.4
3 2	12 43.91	− 8 46.7	2.718	3.596	8.4	21.2
3 12	12 37.78	− 8 28.3	2.646	3.592	5.6	21.0
3 22	12 30.62	− 8 0.9	2.602	3.588	2.7	20.8
4 1	12 23.03	− 7 27.4	2.588	3.584	1.6	20.7
4 11	12 15.68	− 6 51.6	2.604	3.579	4.3	20.9
4 21	12 9.19	− 6 17.4	2.649	3.574	7.3	21.1
5 1	12 4.05	− 5 48.2	2.719	3.569	10.0	21.3

260646 2005 GD_{138} 3 27.7 163°.75 1°.6/26.2 16

2 21	12 51.64	− 1 20.5	1.732	2.561	14.7	21.6
3 2	12 47.00	− 0 40.9	1.655	2.564	11.1	21.3
3 12	12 40.06	+ 0 10.0	1.602	2.566	6.9	21.1
3 22	12 31.51	+ 1 7.0	1.575	2.567	2.6	20.8
4 1	12 22.36	+ 2 3.1	1.576	2.569	3.2	20.9
4 11	12 13.71	+ 2 51.1	1.604	2.570	7.5	21.1
4 21	12 6.53	+ 3 25.6	1.658	2.571	11.7	21.4
5 1	12 1.52	+ 3 43.3	1.734	2.572	15.2	21.6

344294 2001 UQ_{37} 3 27.7 166°.08 1°.9/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 50.32	−10 53.5	2.749	3.524	11.3	21.5
3 2	12 45.24	−10 55.9	2.658	3.527	8.9	21.4
3 12	12 38.61	−10 46.7	2.591	3.531	6.1	21.2
3 22	12 30.92	−10 27.3	2.552	3.534	3.3	21.0
4 1	12 22.81	−10 0.0	2.543	3.537	2.0	20.9
4 11	12 14.99	− 9 28.6	2.564	3.539	4.4	21.1
4 21	12 8.09	− 8 56.8	2.614	3.541	7.3	21.3
5 1	12 2.62	− 8 28.6	2.689	3.543	10.0	21.4

51482 2001 FY_{70} 3 27.7 223°.07 2°.6/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.11	− 0 2.2	1.701	2.532	14.8	19.7
3 2	12 48.31	+ 0 58.4	1.612	2.522	11.2	19.4
3 12	12 41.04	+ 2 11.8	1.548	2.512	7.0	19.2
3 22	12 31.93	+ 3 31.4	1.509	2.500	3.1	18.9
4 1	12 22.01	+ 4 48.8	1.499	2.488	4.2	18.9
4 11	12 12.48	+ 5 55.0	1.517	2.475	8.6	19.2
4 21	12 4.42	+ 6 43.6	1.559	2.462	13.0	19.4
5 1	11 58.64	+ 7 11.1	1.623	2.447	16.7	19.6

428264 2007 CO_{65} 3 27.7 128°.40 3°.7/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.50	+ 3 55.0	2.050	2.886	12.5	21.4
3 2	12 44.94	+ 5 22.0	1.987	2.899	9.3	21.2
3 12	12 38.53	+ 6 55.4	1.949	2.912	5.9	21.0
3 22	12 30.90	+ 8 27.8	1.940	2.924	3.7	20.9
4 1	12 22.87	+ 9 51.3	1.960	2.936	5.1	21.0
4 11	12 15.34	+10 59.1	2.008	2.947	8.2	21.2
4 21	12 9.05	+11 47.5	2.082	2.958	11.4	21.4
5 1	12 4.56	+12 14.8	2.177	2.968	14.1	21.7

329669 2003 UD_{8} 3 27.7 236°.27 1°.0/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.07	− 9 34.3	3.166	3.939	10.0	22.6
3 2	12 44.98	− 9 7.9	3.045	3.917	7.8	22.4
3 12	12 38.45	− 8 30.2	2.951	3.895	5.2	22.2
3 22	12 30.89	− 7 43.0	2.885	3.872	2.4	22.0
4 1	12 22.83	− 6 49.2	2.851	3.847	1.4	21.9
4 11	12 14.89	− 5 52.9	2.848	3.822	4.1	22.1
4 21	12 7.68	− 4 58.2	2.876	3.795	7.0	22.2
5 1	12 1.68	− 4 9.2	2.930	3.768	9.7	22.3

407717 2011 US_{269} 3 27.7 120°.77 1°.5/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.38	− 1 31.8	1.676	2.502	15.2	21.9
3 2	12 49.01	− 0 56.9	1.609	2.515	11.5	21.6
3 12	12 41.28	− 0 11.0	1.566	2.528	7.1	21.4
3 22	12 31.95	+ 0 40.7	1.548	2.541	2.6	21.2
4 1	12 22.09	+ 1 31.1	1.559	2.552	3.1	21.2
4 11	12 12.90	+ 2 13.5	1.597	2.564	7.5	21.5
4 21	12 5.32	+ 2 42.8	1.661	2.575	11.6	21.8
5 1	12 0.03	+ 2 56.2	1.747	2.585	15.1	22.0

245069 2004 GG_{53} 3 27.7 82°.70 1°.1/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.70	−11 1.1	1.714	2.518	16.0	21.0
3 2	12 45.37	− 9 59.2	1.653	2.542	12.3	20.9
3 12	12 38.90	− 8 36.5	1.614	2.566	8.0	20.6
3 22	12 31.04	− 6 58.5	1.601	2.590	3.4	20.4
4 1	12 22.81	− 5 13.6	1.616	2.613	1.9	20.4
4 11	12 15.25	− 3 31.3	1.660	2.636	6.2	20.7
4 21	12 9.20	− 2 0.4	1.730	2.659	10.3	21.0
5 1	12 5.23	− 0 46.6	1.824	2.681	13.8	21.2

115312 Whither 3 27.7 156°.37 0°.3/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.46	− 6 56.5	1.877	2.686	14.5	20.4
3 2	12 46.71	− 6 20.5	1.797	2.692	11.1	20.2
3 12	12 39.81	− 5 29.0	1.741	2.697	7.1	20.0
3 22	12 31.43	− 4 26.1	1.711	2.702	2.7	19.7
4 1	12 22.48	− 3 17.8	1.710	2.707	1.9	19.7
4 11	12 14.02	− 2 11.5	1.737	2.711	6.3	19.9
4 21	12 6.92	− 1 13.8	1.791	2.714	10.3	20.2
5 1	12 1.86	− 0 29.6	1.868	2.717	13.8	20.4

139962 2001 SG_{4} 3 27.7 208°.31 0°.3/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.38	− 7 24.8	2.532	3.332	11.5	20.4
3 2	12 42.43	− 6 40.0	2.438	3.328	8.8	20.2
3 12	12 36.92	− 5 42.4	2.370	3.324	5.6	20.0
3 22	12 30.33	− 4 35.3	2.329	3.320	2.2	19.8
4 1	12 23.31	− 3 23.4	2.319	3.315	1.5	19.7
4 11	12 16.57	− 2 12.6	2.338	3.310	5.0	20.0
4 21	12 10.74	− 1 8.0	2.385	3.305	8.3	20.2
5 1	12 6.35	− 0 14.0	2.457	3.300	11.1	20.3

129558 1996 XQ_{8} 3 27.7 243°.65 4°.6/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.91	+ 8 41.5	2.099	2.926	12.6	21.8
3 2	12 50.85	+ 9 29.1	2.000	2.904	9.7	21.6
3 12	12 42.51	+10 19.4	1.927	2.882	6.6	21.3
3 22	12 32.48	+11 6.0	1.881	2.859	4.7	21.2
4 1	12 21.63	+11 42.2	1.864	2.835	5.9	21.2
4 11	12 11.05	+12 2.5	1.877	2.810	9.1	21.3
4 21	12 1.72	+12 3.9	1.915	2.784	12.6	21.5
5 1	11 54.40	+11 45.9	1.976	2.757	15.7	21.6

331044 2009 VQ_{72} 3 27.7 149°.93 5°.6/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 52.29	+12 43.4	2.216	3.051	11.7	21.2
3 2	12 46.95	+13 47.7	2.154	3.059	9.0	21.0
3 12	12 39.76	+14 50.4	2.118	3.067	6.6	20.9
3 22	12 31.35	+15 44.6	2.109	3.074	5.6	20.8
4 1	12 22.56	+16 24.3	2.129	3.080	6.8	20.9
4 11	12 14.28	+16 45.4	2.175	3.086	9.3	21.1
4 21	12 7.23	+16 46.6	2.247	3.092	11.9	21.2
5 1	12 1.98	+16 28.3	2.340	3.097	14.2	21.4

30412 2000 KJ_{58} 3 27.7 230°.69 2°.6/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.54	+ 1 42.5	2.299	3.131	11.4	19.6
3 2	12 42.67	+ 2 48.4	2.215	3.126	8.5	19.4
3 12	12 37.13	+ 4 2.3	2.157	3.121	5.3	19.2
3 22	12 30.42	+ 5 18.7	2.127	3.116	2.7	19.0
4 1	12 23.25	+ 6 31.2	2.126	3.110	3.8	19.1
4 11	12 16.39	+ 7 33.7	2.154	3.105	7.0	19.2
4 21	12 10.54	+ 8 21.6	2.208	3.099	10.2	19.4
5 1	12 6.25	+ 8 52.6	2.285	3.093	13.0	19.6

7467 1989 WQ_{1} 3 27.7 53°.46 24°.4/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 11.02	+36 2.9	0.646	1.505	28.8	16.9
3 2	13 4.26	+37 56.8	0.634	1.519	26.4	16.8
3 12	12 51.67	+39 0.7	0.634	1.533	24.8	16.8
3 22	12 35.67	+38 54.4	0.647	1.548	24.5	16.8
4 1	12 19.67	+37 30.1	0.674	1.564	25.5	17.0
4 11	12 6.78	+34 57.1	0.714	1.581	27.4	17.2
4 21	11 58.55	+31 35.0	0.766	1.597	29.6	17.4
5 1	11 55.28	+27 43.8	0.831	1.614	31.7	17.7

172061 2001 XH_{223} 3 27.7 58°.70 4°.0/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.51	−17 30.9	2.281	3.039	13.8	20.3
3 2	12 43.50	−17 34.5	2.193	3.043	11.3	20.1
3 12	12 37.70	−17 19.8	2.127	3.047	8.4	19.9
3 22	12 30.65	−16 47.4	2.086	3.051	5.6	19.8
4 1	12 23.10	−16 0.0	2.072	3.056	4.0	19.7
4 11	12 15.89	−15 2.4	2.087	3.060	5.4	19.8
4 21	12 9.78	−14 0.6	2.129	3.064	8.2	19.9
5 1	12 5.34	−13 0.9	2.196	3.069	11.1	20.1

373841 2003 ED_{43} 3 27.7 288°.21 3°.3/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.92	+ 0 27.5	1.761	2.604	13.9	20.6
3 2	12 42.75	+ 2 3.6	1.678	2.595	10.3	20.4
3 12	12 37.44	+ 3 53.5	1.619	2.585	6.5	20.1
3 22	12 30.61	+ 5 49.3	1.587	2.576	3.5	19.9
4 1	12 23.12	+ 7 40.6	1.583	2.567	5.1	20.0
4 11	12 16.01	+ 9 17.4	1.607	2.557	9.0	20.2
4 21	12 10.18	+10 32.6	1.655	2.548	12.9	20.4
5 1	12 6.33	+11 22.6	1.725	2.539	16.3	20.6

305377 2008 CT_{13} 3 27.7 299°.93 0°.1/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.95	− 4 3.1	2.289	3.103	12.1	20.7
3 2	12 43.81	− 3 47.5	2.195	3.093	9.2	20.5
3 12	12 37.90	− 3 22.0	2.125	3.083	5.9	20.2
3 22	12 30.74	− 2 49.4	2.082	3.074	2.1	20.0
4 1	12 23.03	− 2 14.0	2.068	3.064	1.7	19.9
4 11	12 15.60	− 1 40.3	2.083	3.055	5.5	20.2
4 21	12 9.18	− 1 12.7	2.124	3.046	9.1	20.4
5 1	12 4.38	− 0 54.8	2.190	3.036	12.2	20.5

318441 2005 CY_{45} 3 27.7 103°.98 1°.5/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.87	− 8 18.1	1.632	2.441	16.4	21.0
3 2	12 48.78	− 8 12.6	1.561	2.452	12.7	20.8
3 12	12 41.23	− 7 50.5	1.511	2.464	8.4	20.5
3 22	12 31.98	− 7 14.6	1.487	2.476	3.7	20.3
4 1	12 22.12	− 6 29.9	1.490	2.487	2.1	20.2
4 11	12 12.88	− 5 43.6	1.521	2.498	6.6	20.5
4 21	12 5.29	− 5 2.3	1.577	2.508	10.9	20.8
5 1	12 0.06	− 4 31.4	1.656	2.519	14.6	21.0

288676 2004 PJ_{76} 3 27.7 274°.23 0°.2/27.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.77	− 4 38.1	1.495	2.323	16.7	21.6
3 2	12 48.57	− 4 20.3	1.399	2.304	12.9	21.3
3 12	12 41.52	− 3 46.4	1.323	2.284	8.3	21.0
3 22	12 32.24	− 2 59.9	1.272	2.264	3.1	20.6
4 1	12 21.82	− 2 7.0	1.247	2.244	2.5	20.5
4 11	12 11.67	− 1 16.2	1.249	2.224	8.1	20.8
4 21	12 3.11	− 0 35.1	1.275	2.203	13.2	21.0
5 1	11 57.14	− 0 9.8	1.322	2.182	17.8	21.2

6040 1990 DK_{3} 3 27.7 359°.49 0°.9/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.34	− 4 14.9	1.208	2.061	18.3	17.6
3 2	12 43.86	− 3 39.1	1.139	2.058	13.9	17.3
3 12	12 38.50	− 2 44.1	1.089	2.056	8.8	17.0
3 22	12 31.07	− 1 36.1	1.062	2.055	3.1	16.7
4 1	12 22.79	− 0 24.6	1.060	2.056	3.1	16.7
4 11	12 15.14	+ 0 39.6	1.081	2.057	8.8	17.0
4 21	12 9.35	+ 1 27.8	1.125	2.059	13.9	17.3
5 1	12 6.27	+ 1 54.7	1.188	2.063	18.4	17.6

312683 2010 NH_5 3 27.7 285°.08 5°.4/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 50.55	−16 49.7	1.544	2.328	18.3	20.5
3 2	12 46.93	−17 11.1	1.444	2.311	15.1	20.3
3 12	12 40.51	−17 8.7	1.363	2.293	11.3	20.0
3 22	12 31.88	−16 40.6	1.304	2.275	7.5	19.7
4 1	12 22.09	−15 48.6	1.271	2.257	5.4	19.5
4 11	12 12.54	−14 39.0	1.263	2.239	7.7	19.6
4 21	12 4.53	−13 21.4	1.280	2.222	11.9	19.8
5 1	11 59.10	−12 6.3	1.318	2.204	16.2	20.0

491982 2013 ER_{32} 3 27.7 306°.23 4°.7/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.72	+ 9 38.9	1.324	2.158	18.1	19.9
3 2	13 0.45	+ 9 11.1	1.232	2.139	14.1	19.6
3 12	12 49.34	+ 8 37.5	1.161	2.120	9.5	19.3
3 22	12 35.20	+ 7 51.9	1.115	2.102	5.3	19.0
4 1	12 19.57	+ 6 49.6	1.097	2.084	6.0	19.0
4 11	12 4.44	+ 5 28.8	1.106	2.066	11.0	19.2
4 21	11 51.60	+ 3 51.6	1.141	2.049	16.2	19.4
5 1	11 42.27	+ 2 1.9	1.196	2.032	20.8	19.7

94061 2000 YF_{18} 3 27.7 123°.81 2°.9/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.76	−13 15.0	2.193	2.966	13.9	19.9
3 2	12 46.67	−13 18.0	2.112	2.978	11.0	19.7
3 12	12 39.67	−13 5.1	2.055	2.990	7.8	19.5
3 22	12 31.37	−12 37.5	2.023	3.001	4.5	19.3
4 1	12 22.59	−11 58.3	2.021	3.012	2.9	19.2
4 11	12 14.24	−11 12.4	2.047	3.022	5.3	19.4
4 21	12 7.10	−10 25.5	2.101	3.032	8.6	19.6
5 1	12 1.78	− 9 43.0	2.180	3.042	11.6	19.8

184445 2005 NF_{46} 3 27.7 193°.39 0°.5/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.89	− 4 16.5	2.149	2.960	12.9	22.0
3 2	12 46.08	− 3 41.0	2.061	2.958	9.8	21.8
3 12	12 39.35	− 2 53.6	1.997	2.956	6.2	21.5
3 22	12 31.28	− 1 58.2	1.961	2.953	2.2	21.3
4 1	12 22.65	− 1 0.3	1.954	2.950	2.0	21.2
4 11	12 14.38	− 0 5.8	1.976	2.946	6.0	21.5
4 21	12 7.28	+ 0 40.0	2.026	2.941	9.7	21.7
5 1	12 1.96	+ 1 13.1	2.099	2.936	13.0	21.9

351821 2006 PR_{19} 3 27.7 197°.62 6°.2/ 4.4 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.05	−26 46.8	3.040	3.710	12.4	22.1
3 2	12 47.45	−27 29.0	2.934	3.706	10.8	22.0
3 12	12 40.13	−27 54.6	2.849	3.702	9.0	21.8
3 22	12 31.57	−28 1.9	2.789	3.698	7.3	21.7
4 1	12 22.40	−27 50.6	2.756	3.693	6.3	21.6
4 11	12 13.41	−27 22.6	2.752	3.687	6.5	21.6
4 21	12 5.31	−26 41.9	2.775	3.681	7.8	21.7
5 1	11 58.69	−25 53.6	2.825	3.674	9.7	21.8

204396 2004 TE_{281} 3 27.7 55°.92 2°.8/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.20	+ 0 50.5	1.370	2.217	16.8	20.4
3 2	12 47.88	+ 1 32.3	1.306	2.223	12.6	20.2
3 12	12 40.82	+ 2 25.0	1.264	2.231	7.9	19.9
3 22	12 31.86	+ 3 21.5	1.246	2.238	3.4	19.7
4 1	12 22.24	+ 4 12.9	1.255	2.245	4.5	19.7
4 11	12 13.35	+ 4 51.3	1.288	2.253	9.1	20.0
4 21	12 6.32	+ 5 11.5	1.346	2.261	13.7	20.3
5 1	12 1.88	+ 5 11.4	1.423	2.269	17.5	20.6

384425 2009 XY_8 3 27.7 198°.97 2°.2/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.87	−11 59.0	2.023	2.813	14.3	21.3
3 2	12 44.73	−11 40.7	1.933	2.812	11.3	21.1
3 12	12 38.58	−11 4.7	1.866	2.810	7.8	20.9
3 22	12 31.01	−10 13.1	1.825	2.809	4.0	20.6
4 1	12 22.85	− 9 10.2	1.812	2.807	2.4	20.5
4 11	12 15.07	− 8 2.5	1.827	2.805	5.6	20.7
4 21	12 8.49	− 6 57.0	1.870	2.803	9.3	20.9
5 1	12 3.78	− 5 59.6	1.936	2.801	12.8	21.1

522974 2016 PU_{116} 3 27.7 268°.27 1°.5/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.65	− 0 32.9	2.345	3.169	11.5	22.1
3 2	12 43.56	+ 0 5.1	2.250	3.155	8.7	21.8
3 12	12 37.74	+ 0 51.7	2.179	3.142	5.4	21.6
3 22	12 30.69	+ 1 42.7	2.136	3.128	2.1	21.4
4 1	12 23.09	+ 2 33.2	2.122	3.114	2.7	21.4
4 11	12 15.76	+ 3 17.8	2.137	3.100	6.2	21.6
4 21	12 9.41	+ 3 52.1	2.179	3.086	9.6	21.8
5 1	12 4.61	+ 4 13.3	2.245	3.072	12.6	21.9

366831 2005 LU_6 3 27.7 268°.70 0°.3/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.32	− 4 52.9	1.768	2.590	14.8	21.5
3 2	12 46.23	− 4 20.7	1.670	2.572	11.4	21.3
3 12	12 39.78	− 3 33.3	1.594	2.554	7.3	21.0
3 22	12 31.54	− 2 34.4	1.544	2.536	2.6	20.6
4 1	12 22.44	− 1 30.3	1.522	2.518	2.3	20.6
4 11	12 13.62	− 0 28.7	1.527	2.500	7.1	20.8
4 21	12 6.12	+ 0 23.3	1.558	2.481	11.6	21.0
5 1	12 0.76	+ 1 0.2	1.611	2.462	15.6	21.2

426162 2012 HK_{73} 3 27.7 240°.61 0°.1/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 49.27	− 6 23.3	2.277	3.081	12.5	22.2
3 2	12 44.90	− 5 41.2	2.173	3.066	9.6	21.9
3 12	12 38.66	− 4 45.0	2.093	3.049	6.1	21.7
3 22	12 31.06	− 3 38.4	2.041	3.032	2.3	21.4
4 1	12 22.83	− 2 26.3	2.018	3.014	1.7	21.3
4 11	12 14.84	− 1 15.3	2.025	2.996	5.7	21.6
4 21	12 7.86	− 0 11.5	2.059	2.977	9.5	21.8
5 1	12 2.53	+ 0 40.3	2.118	2.957	12.8	21.9

187049 2005 LK_{41} 3 27.7 135°.22 1°.0/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.10	− 3 1.1	1.925	2.745	13.8	20.5
3 2	12 46.34	− 2 20.1	1.851	2.754	10.4	20.3
3 12	12 39.55	− 1 27.4	1.801	2.763	6.5	20.1
3 22	12 31.36	− 0 28.0	1.778	2.770	2.3	19.8
4 1	12 22.68	+ 0 32.1	1.784	2.778	2.5	19.8
4 11	12 14.50	+ 1 26.0	1.818	2.785	6.6	20.1
4 21	12 7.65	+ 2 8.5	1.878	2.792	10.5	20.4
5 1	12 2.75	+ 2 36.2	1.961	2.798	13.7	20.6

429035 2009 CU_{25} 3 27.7 349°.62 4°.1/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.08	+ 5 41.1	2.013	2.858	12.3	20.6
3 2	12 42.55	+ 6 53.9	1.940	2.856	9.2	20.4
3 12	12 37.16	+ 8 12.0	1.891	2.854	6.0	20.2
3 22	12 30.49	+ 9 28.6	1.870	2.853	4.1	20.1
4 1	12 23.33	+10 36.2	1.877	2.852	5.5	20.2
4 11	12 16.58	+11 28.5	1.911	2.851	8.6	20.4
4 21	12 10.99	+12 1.7	1.970	2.850	11.8	20.6
5 1	12 7.14	+12 14.3	2.050	2.849	14.6	20.8

24543 2001 DH_{19} 3 27.7 259°.31 4°.1/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.18	+ 5 29.9	1.812	2.649	13.8	18.7
3 2	12 48.32	+ 6 19.3	1.719	2.631	10.5	18.4
3 12	12 41.07	+ 7 14.8	1.651	2.613	6.9	18.2
3 22	12 32.02	+ 8 9.9	1.609	2.594	4.2	18.0
4 1	12 22.13	+ 8 57.0	1.595	2.575	5.5	18.0
4 11	12 12.57	+ 9 29.2	1.608	2.555	9.3	18.2
4 21	12 4.37	+ 9 42.4	1.646	2.535	13.2	18.4
5 1	11 58.34	+ 9 35.1	1.705	2.514	16.7	18.6

273856 2007 GR_{50} 3 27.7 209°.55 2°.7/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.38	−15 5.0	2.396	3.162	13.0	21.7
3 2	12 44.12	−14 38.7	2.296	3.157	10.5	21.5
3 12	12 38.10	−13 54.4	2.218	3.151	7.5	21.3
3 22	12 30.84	−12 53.6	2.168	3.144	4.3	21.1
4 1	12 23.05	−11 40.2	2.146	3.137	2.7	20.9
4 11	12 15.55	−10 20.0	2.153	3.130	5.0	21.1
4 21	12 9.06	− 8 59.4	2.189	3.122	8.2	21.2
5 1	12 4.18	− 7 44.9	2.251	3.113	11.3	21.4

55963 1998 HV_{152} 3 27.7 292°.51 1°.0/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.99	− 2 39.9	2.262	3.085	11.9	19.4
3 2	12 42.36	− 1 56.2	2.170	3.074	9.0	19.2
3 12	12 37.02	− 1 1.7	2.102	3.064	5.6	19.0
3 22	12 30.45	− 0 0.6	2.061	3.054	2.0	18.7
4 1	12 23.36	+ 1 1.6	2.049	3.043	2.4	18.7
4 11	12 16.55	+ 1 58.8	2.066	3.033	6.0	19.0
4 21	12 10.74	+ 2 46.3	2.110	3.023	9.5	19.2
5 1	12 6.51	+ 3 20.2	2.177	3.012	12.6	19.3

456533 2007 AS_{28} 3 27.7 15°.56 6°.4/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.19	+ 8 15.0	1.372	2.237	15.7	20.1
3 2	12 44.09	+ 9 39.0	1.316	2.241	11.9	19.9
3 12	12 38.42	+11 6.8	1.282	2.245	8.2	19.7
3 22	12 31.00	+12 27.8	1.272	2.251	6.4	19.6
4 1	12 22.99	+13 31.4	1.288	2.257	8.1	19.7
4 11	12 15.66	+14 9.8	1.327	2.264	11.7	19.9
4 21	12 10.06	+14 20.1	1.388	2.272	15.4	20.1
5 1	12 6.87	+14 3.1	1.467	2.280	18.7	20.4

461647 2005 EC_{305} 3 27.7 279°.20 0°.4/28.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.41	− 5 32.6	1.705	2.522	15.4	21.8
3 2	12 48.04	− 5 21.7	1.599	2.498	12.0	21.5
3 12	12 41.08	− 4 56.1	1.516	2.474	7.8	21.2
3 22	12 32.10	− 4 18.5	1.458	2.450	3.1	20.9
4 1	12 22.05	− 3 33.7	1.428	2.425	2.1	20.7
4 11	12 12.19	− 2 48.7	1.425	2.399	7.2	21.0
4 21	12 3.67	− 2 10.3	1.447	2.374	12.0	21.2
5 1	11 57.46	− 1 44.2	1.491	2.348	16.3	21.4

219359 2000 RG_{80} 3 27.7 163°.60 6°.9/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.47	−22 46.4	2.045	2.770	16.2	20.3
3 2	12 48.43	−23 33.8	1.954	2.772	13.8	20.2
3 12	12 41.07	−24 0.1	1.884	2.774	11.1	20.0
3 22	12 32.01	−24 3.0	1.837	2.776	8.5	19.8
4 1	12 22.17	−23 42.4	1.816	2.777	7.0	19.7
4 11	12 12.68	−23 2.1	1.822	2.778	7.6	19.8
4 21	12 4.53	−22 8.5	1.854	2.779	9.9	19.9
5 1	11 58.49	−21 9.2	1.910	2.780	12.7	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
386579 2009 EA_{14}			3 27.7 324°33		5°3/21.6 18	
	h m	° ′			°	m
2 21	12 48.07	+11 9.7	2.152	2.996	11.7	20.5
3 2	12 43.94	+12 14.4	2.081	2.993	8.9	20.3
3 12	12 37.99	+13 19.3	2.036	2.990	6.4	20.1
3 22	12 30.79	+14 17.6	2.018	2.988	5.3	20.0
4 1	12 23.14	+15 2.9	2.027	2.985	6.6	20.1
4 11	12 15.89	+15 30.4	2.063	2.983	9.2	20.3
4 21	12 9.80	+15 38.0	2.124	2.981	12.0	20.4
5 1	12 5.42	+15 25.6	2.205	2.979	14.5	20.6
461709 2005 SG_{67}			3 27.7 149°41		0°1/27.8 17	
2 21	12 49.76	− 6 11.8	1.964	2.776	13.9	21.8
3 2	12 45.36	− 5 34.0	1.884	2.781	10.6	21.6
3 12	12 38.96	− 4 41.9	1.828	2.785	6.7	21.3
3 22	12 31.17	− 3 39.6	1.798	2.790	2.5	21.1
4 1	12 22.85	− 2 33.0	1.797	2.794	1.9	21.0
4 11	12 14.98	− 1 29.1	1.824	2.797	6.1	21.3
4 21	12 8.38	− 0 34.0	1.879	2.801	10.0	21.6
5 1	12 3.67	+ 0 7.8	1.956	2.804	13.4	21.8
215931 2005 KF_{4}			3 27.7 35°38		0°6/27.2 18	
2 21	12 49.34	− 4 46.6	1.468	2.302	16.6	20.6
3 2	12 45.64	− 4 8.6	1.397	2.306	12.6	20.4
3 12	12 39.40	− 3 13.9	1.347	2.310	7.9	20.1
3 22	12 31.38	− 2 7.9	1.322	2.315	2.8	19.8
4 1	12 22.69	− 0 58.6	1.323	2.319	2.6	19.8
4 11	12 14.60	+ 0 5.0	1.351	2.324	7.7	20.1
4 21	12 8.15	+ 0 55.3	1.402	2.330	12.3	20.4
5 1	12 4.10	+ 1 27.7	1.475	2.335	16.3	20.7
115886 2003 VQ_{1}			3 27.7 138°05		2°5/30.4 18	
2 21	12 49.31	−12 32.6	2.196	2.977	13.6	20.1
3 2	12 44.88	−12 25.0	2.110	2.982	10.8	19.9
3 12	12 38.60	−12 1.3	2.047	2.986	7.5	19.7
3 22	12 31.04	−11 23.2	2.010	2.991	4.1	19.5
4 1	12 22.96	−10 34.3	2.002	2.995	2.6	19.4
4 11	12 15.26	− 9 40.0	2.022	2.999	5.2	19.5
4 21	12 8.69	− 8 46.0	2.069	3.002	8.6	19.8
5 1	12 3.87	− 7 57.9	2.142	3.006	11.7	20.0
500686 2012 VO_{85}			3 27.7 136°65		1°3/26.0 17	
2 21	12 48.04	− 0 29.6	2.624	3.442	10.6	22.1
3 2	12 43.53	+ 0 8.9	2.548	3.450	7.9	21.9
3 12	12 37.56	+ 0 54.3	2.497	3.459	4.9	21.7
3 22	12 30.60	+ 1 42.8	2.475	3.467	1.9	21.5
4 1	12 23.31	+ 2 29.8	2.483	3.475	2.4	21.5
4 11	12 16.36	+ 3 10.9	2.521	3.482	5.5	21.8
4 21	12 10.35	+ 3 42.9	2.586	3.490	8.4	22.0
5 1	12 5.75	+ 4 3.2	2.676	3.497	11.0	22.1
17616 1995 UE_{15}			3 27.7 357°91		1°7/29.5 18	
2 21	12 46.47	−10 16.4	2.094	2.893	13.6	18.8
3 2	12 42.85	− 9 59.9	2.007	2.892	10.6	18.6
3 12	12 37.37	− 9 27.7	1.943	2.891	7.2	18.4
3 22	12 30.60	− 8 42.3	1.905	2.891	3.5	18.1
4 1	12 23.29	− 7 48.0	1.895	2.891	2.0	18.0
4 11	12 16.34	− 6 50.6	1.913	2.891	5.3	18.3
4 21	12 10.52	− 5 56.2	1.958	2.891	9.0	18.5
5 1	12 6.41	− 5 10.1	2.027	2.892	12.2	18.7
68768 2002 EC_{106}			3 27.7 284°31		5°4/22.3 18	
2 21	12 49.93	+ 9 30.2	1.868	2.714	13.1	19.5
3 2	12 45.69	+10 34.1	1.790	2.704	10.0	19.3
3 12	12 39.27	+11 40.4	1.736	2.694	7.0	19.1
3 22	12 31.32	+12 41.5	1.708	2.684	5.4	18.9
4 1	12 22.74	+13 29.7	1.707	2.673	6.9	19.0
4 11	12 14.58	+13 58.8	1.733	2.663	10.0	19.2
4 21	12 7.73	+14 6.2	1.783	2.653	13.3	19.3
5 1	12 2.90	+13 51.4	1.853	2.643	16.2	19.5
14321 1978 VT_{9}			3 27.7 209°30		1°8/26.1 18	
2 21	12 54.43	− 0 45.9	1.833	2.656	14.3	19.8
3 2	12 49.15	− 0 5.5	1.745	2.649	10.8	19.6
3 12	12 41.51	+ 0 45.9	1.681	2.643	6.8	19.3
3 22	12 32.17	+ 1 43.1	1.643	2.635	2.6	19.1
4 1	12 22.10	+ 2 39.4	1.634	2.626	3.3	19.1
4 11	12 12.42	+ 3 27.7	1.654	2.617	7.6	19.3
4 21	12 4.15	+ 4 2.6	1.700	2.607	11.8	19.5
5 1	11 58.05	+ 4 20.7	1.768	2.596	15.4	19.8
234929 2002 UP_{14}			3 27.7 228°53		2°4/24.8 17	
2 21	12 49.82	+ 3 22.9	2.564	3.388	10.6	21.0
3 2	12 45.03	+ 4 2.3	2.472	3.377	8.0	20.8
3 12	12 38.60	+ 4 46.7	2.405	3.366	5.1	20.6
3 22	12 31.03	+ 5 32.0	2.366	3.354	2.6	20.4
4 1	12 22.97	+ 6 13.4	2.358	3.342	3.5	20.4
4 11	12 15.18	+ 6 46.2	2.379	3.330	6.4	20.6
4 21	12 8.32	+ 7 7.5	2.427	3.317	9.4	20.8
5 1	12 2.95	+ 7 15.2	2.499	3.303	12.1	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
422703 2000 SG_{24}			3 27.7 128°34		11°5/16.8 18	
	h m	° ′			°	m
2 21	13 8.90	+35 48.3	2.278	3.043	13.7	20.4
3 2	12 59.34	+36 41.6	2.241	3.057	12.4	20.3
3 12	12 47.43	+37 14.4	2.228	3.069	11.6	20.3
3 22	12 34.15	+37 19.0	2.239	3.082	11.6	20.3
4 1	12 20.77	+36 51.5	2.275	3.094	12.4	20.4
4 11	12 8.50	+35 52.3	2.335	3.105	13.7	20.5
4 21	11 58.28	+34 25.8	2.418	3.116	15.1	20.6
5 1	11 50.62	+32 38.0	2.518	3.126	16.5	20.8
374139 2004 TQ_{137}			3 27.7 188°69		1°1/26.3 17	
2 21	12 50.68	− 1 4.4	2.729	3.538	10.5	22.7
3 2	12 45.53	− 0 28.9	2.639	3.537	7.9	22.5
3 12	12 38.84	+ 0 14.0	2.575	3.535	4.9	22.3
3 22	12 31.10	+ 1 0.7	2.541	3.533	1.8	22.1
4 1	12 22.94	+ 1 46.9	2.537	3.529	2.2	22.1
4 11	12 15.07	+ 2 28.3	2.563	3.525	5.4	22.3
4 21	12 8.12	+ 3 1.3	2.618	3.521	8.4	22.5
5 1	12 2.58	+ 3 23.4	2.698	3.515	11.0	22.7
88598 2001 QM_{271}			3 27.7 186°85		0°1/27.7 18	
2 21	12 52.78	− 4 19.0	1.920	2.733	14.1	20.4
3 2	12 47.75	− 4 4.4	1.836	2.733	10.8	20.2
3 12	12 40.54	− 3 38.2	1.775	2.733	6.9	19.9
3 22	12 31.79	− 3 3.5	1.740	2.732	2.5	19.7
4 1	12 22.41	− 2 25.4	1.735	2.731	2.0	19.6
4 11	12 13.46	− 1 49.5	1.757	2.730	6.3	19.9
4 21	12 5.85	− 1 20.9	1.807	2.728	10.4	20.1
5 1	12 0.26	− 1 3.4	1.879	2.726	13.8	20.3
55528 2001 VF_{77}			3 27.7 144°92		6°7/20.6 18	
2 21	12 53.78	+15 43.2	2.105	2.940	12.2	18.9
3 2	12 48.18	+16 52.1	2.048	2.949	9.7	18.7
3 12	12 40.61	+17 56.7	2.016	2.957	7.5	18.6
3 22	12 31.75	+18 49.6	2.011	2.965	6.7	18.6
4 1	12 22.49	+19 24.4	2.034	2.972	8.0	18.7
4 11	12 13.81	+19 37.3	2.083	2.979	10.3	18.8
4 21	12 6.48	+19 27.8	2.156	2.986	12.8	19.0
5 1	12 1.09	+18 57.3	2.250	2.992	15.1	19.2
219329 2000 JR_{25}			3 27.7 332°46		6°0/ 1.3 17	
2 21	12 47.58	−17 9.7	1.427	2.221	19.1	19.7
3 2	12 44.79	−17 43.5	1.337	2.209	15.8	19.4
3 12	12 39.20	−17 52.7	1.266	2.197	12.0	19.1
3 22	12 31.44	−17 35.3	1.216	2.185	8.2	18.9
4 1	12 22.61	−16 52.8	1.190	2.175	6.0	18.7
4 11	12 14.13	−15 51.6	1.188	2.165	8.0	18.8
4 21	12 7.29	−14 41.2	1.210	2.156	12.0	19.0
5 1	12 3.07	−13 32.3	1.253	2.148	16.2	19.2
388695 2007 UY_{136}			3 27.7 110°03		1°1/29.2 17	
2 21	12 47.00	−10 29.3	2.512	3.300	11.9	21.4
3 2	12 42.83	− 9 46.6	2.435	3.315	9.2	21.3
3 12	12 37.14	− 8 49.8	2.383	3.330	6.1	21.1
3 22	12 30.46	− 7 42.1	2.358	3.345	2.8	20.9
4 1	12 23.46	− 6 28.2	2.363	3.359	1.5	20.8
4 11	12 16.83	− 5 13.9	2.398	3.374	4.6	21.0
4 21	12 11.20	− 4 4.5	2.461	3.387	7.7	21.3
5 1	12 7.02	− 3 4.6	2.550	3.401	10.5	21.5
352679 2008 RR_{111}			3 27.7 42°01		2°7/29.9 18	
2 21	12 48.86	−12 16.0	1.222	2.045	19.9	20.8
3 2	12 45.74	−11 54.4	1.156	2.054	15.7	20.5
3 12	12 39.68	−11 5.3	1.110	2.062	10.7	20.3
3 22	12 31.54	− 9 52.2	1.085	2.071	5.4	20.0
4 1	12 22.64	− 8 23.1	1.085	2.081	3.0	19.9
4 11	12 14.48	− 6 50.0	1.110	2.091	7.6	20.2
4 21	12 8.29	− 5 24.6	1.158	2.102	12.7	20.5
5 1	12 4.88	− 4 16.1	1.226	2.113	17.1	20.8
78105 2002 LM_{47}			3 27.7 280°76		3°1/24.0 18	
2 21	12 46.48	+ 1 30.5	1.987	2.825	12.7	19.8
3 2	12 43.04	+ 2 51.9	1.893	2.808	9.5	19.6
3 12	12 37.62	+ 4 24.9	1.824	2.789	6.0	19.3
3 22	12 30.75	+ 6 2.6	1.783	2.771	3.3	19.1
4 1	12 23.21	+ 7 36.7	1.770	2.753	4.7	19.1
4 11	12 15.95	+ 8 58.7	1.785	2.734	8.3	19.3
4 21	12 9.80	+10 2.5	1.826	2.716	12.0	19.5
5 1	12 5.45	+10 44.6	1.888	2.697	15.3	19.7
241307 2007 UE_{136}			3 27.7 61°22		4°8/22.3 17	
2 21	12 47.95	+ 8 53.3	2.050	2.894	12.1	20.1
3 2	12 43.84	+10 2.9	1.990	2.904	9.1	19.9
3 12	12 37.91	+11 14.1	1.955	2.913	6.3	19.8
3 22	12 30.78	+12 19.8	1.948	2.923	4.9	19.7
4 1	12 23.26	+13 13.2	1.968	2.933	6.2	19.8
4 11	12 16.23	+13 49.3	2.015	2.943	8.9	20.0
4 21	12 10.42	+14 5.6	2.087	2.953	11.8	20.2
5 1	12 6.36	+14 2.1	2.179	2.963	14.3	20.4

144807 2004 HV_{63} 3 27.7 243°.43 5°.6/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 50.13	+ 9 45.4	1.945	2.789	12.7	20.3
3 2	12 45.78	+11 5.4	1.866	2.779	9.7	20.1
3 12	12 39.33	+12 28.5	1.812	2.768	6.9	19.9
3 22	12 31.36	+13 46.4	1.785	2.757	5.6	19.8
4 1	12 22.77	+14 51.0	1.785	2.746	7.1	19.9
4 11	12 14.57	+15 35.8	1.813	2.734	10.1	20.0
4 21	12 7.63	+15 57.4	1.864	2.722	13.3	20.2
5 1	12 2.64	+15 55.5	1.935	2.710	16.2	20.4

109889 2001 SB_{10} 3 27.7 216°.51 1°.2/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.39	− 9 29.3	2.258	3.049	13.0	21.2
3 2	12 45.74	− 9 4.1	2.159	3.041	10.1	20.9
3 12	12 39.20	− 8 23.9	2.084	3.032	6.8	20.7
3 22	12 31.31	− 7 31.2	2.036	3.023	3.1	20.5
4 1	12 22.81	− 6 30.3	2.017	3.013	1.7	20.3
4 11	12 14.59	− 5 27.0	2.027	3.003	5.3	20.6
4 21	12 7.45	− 4 27.3	2.065	2.991	9.0	20.8
5 1	12 2.02	− 3 36.4	2.128	2.980	12.3	20.9

36163 1999 RQ_{222} 3 27.7 227°.16 1°.6/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.27	−13 21.8	2.773	3.545	11.3	18.8
3 2	12 41.54	−12 32.3	2.670	3.538	8.9	18.6
3 12	12 36.38	−11 26.7	2.591	3.531	6.1	18.4
3 22	12 30.22	−10 7.6	2.540	3.523	3.2	18.2
4 1	12 23.65	− 8 39.3	2.519	3.515	1.8	18.1
4 11	12 17.32	− 7 7.4	2.529	3.506	4.3	18.2
4 21	12 11.82	− 5 37.9	2.569	3.497	7.3	18.4
5 1	12 7.63	− 4 16.2	2.635	3.489	10.1	18.6

268596 2006 BG_{223} 3 27.7 188°.68 2°.1/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.70	+ 0 7.9	2.142	2.970	12.3	20.9
3 2	12 44.44	+ 1 3.6	2.061	2.969	9.2	20.6
3 12	12 38.33	+ 2 8.5	2.005	2.969	5.7	20.4
3 22	12 30.97	+ 3 17.2	1.977	2.968	2.5	20.2
4 1	12 23.11	+ 4 23.4	1.977	2.966	3.4	20.3
4 11	12 15.62	+ 5 20.7	2.006	2.965	6.9	20.5
4 21	12 9.26	+ 6 4.4	2.062	2.963	10.3	20.7
5 1	12 4.62	+ 6 31.8	2.141	2.961	13.4	20.9

337609 2001 TG_{14} 3 27.7 155°.50 3°.3/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.19	−18 28.4	3.143	3.875	10.9	21.4
3 2	12 43.53	−18 19.9	3.050	3.884	8.9	21.3
3 12	12 37.53	−17 56.9	2.981	3.892	6.7	21.1
3 22	12 30.63	−17 20.2	2.939	3.900	4.5	21.0
4 1	12 23.39	−16 32.0	2.926	3.907	3.3	20.9
4 11	12 16.42	−15 36.0	2.943	3.913	4.3	21.0
4 21	12 10.27	−14 36.5	2.990	3.919	6.4	21.1
5 1	12 5.37	−13 38.1	3.064	3.925	8.7	21.3

492300 2014 AV_{10} 3 27.7 281°.65 4°.1/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.62	−17 39.1	2.230	2.989	14.1	21.3
3 2	12 43.74	−17 41.4	2.134	2.984	11.6	21.1
3 12	12 37.98	−17 24.8	2.059	2.980	8.7	20.9
3 22	12 30.87	−16 49.7	2.009	2.975	5.7	20.7
4 1	12 23.18	−15 58.4	1.987	2.971	4.1	20.6
4 11	12 15.78	−14 56.1	1.992	2.966	5.6	20.7
4 21	12 9.47	−13 49.1	2.025	2.962	8.5	20.9
5 1	12 4.88	−12 44.0	2.083	2.957	11.6	21.1

109340 2001 QF_{148} 3 27.7 55°.80 8°.0/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.48	+15 46.3	1.601	2.450	14.7	18.6
3 2	12 48.46	+16 55.4	1.552	2.461	11.6	18.4
3 12	12 40.99	+17 58.7	1.526	2.472	9.0	18.3
3 22	12 31.94	+18 46.9	1.525	2.483	8.1	18.3
4 1	12 22.45	+19 12.3	1.549	2.494	9.5	18.4
4 11	12 13.75	+19 10.9	1.598	2.506	12.2	18.5
4 21	12 6.79	+18 43.2	1.669	2.517	15.1	18.8
5 1	12 2.19	+17 51.9	1.759	2.529	17.7	19.0

252705 2002 CL_{101} 3 27.7 307°.51 2°.5/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.03	−10 24.3	2.350	3.132	12.8	20.0
3 2	12 46.94	−10 51.8	2.253	3.125	10.2	19.8
3 12	12 39.96	−11 7.9	2.179	3.119	7.1	19.6
3 22	12 31.61	−11 12.9	2.131	3.112	3.9	19.4
4 1	12 22.63	−11 8.5	2.113	3.106	2.6	19.3
4 11	12 13.90	−10 57.9	2.124	3.099	5.2	19.4
4 21	12 6.22	−10 44.9	2.163	3.093	8.4	19.6
5 1	12 0.24	−10 33.7	2.227	3.087	11.5	19.8

417814 2007 EN_{216} 3 27.7 347°.59 8°.9/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.50	+15 8.0	1.472	2.336	14.9	19.9
3 2	12 44.34	+16 49.7	1.413	2.330	11.9	19.7
3 12	12 38.64	+18 28.7	1.377	2.325	9.5	19.6
3 22	12 31.15	+19 53.4	1.364	2.321	9.0	19.5
4 1	12 23.00	+20 52.9	1.376	2.317	10.8	19.6
4 11	12 15.45	+21 20.8	1.411	2.314	13.8	19.8
4 21	12 9.56	+21 15.6	1.466	2.312	17.0	20.0
5 1	12 6.04	+20 39.8	1.538	2.310	19.8	20.1

76627 2000 GT_{182} 3 27.7 80°.65 4°.2/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 47.54	+ 6 4.5	2.047	2.890	12.2	19.1
3 2	12 43.53	+ 7 23.9	1.987	2.902	9.1	18.9
3 12	12 37.72	+ 8 47.5	1.952	2.914	6.0	18.7
3 22	12 30.73	+10 8.1	1.945	2.925	4.2	18.7
4 1	12 23.34	+11 18.3	1.965	2.937	5.5	18.8
4 11	12 16.45	+12 12.2	2.014	2.949	8.5	19.0
4 21	12 10.75	+12 46.5	2.087	2.961	11.5	19.2
5 1	12 6.79	+13 0.4	2.182	2.973	14.1	19.4

371670 2007 CS_{57} 3 27.7 356°.77 8°.9/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.96	+16 0.9	1.605	2.463	14.2	20.0
3 2	12 44.48	+17 59.7	1.550	2.462	11.4	19.8
3 12	12 38.63	+19 55.1	1.518	2.461	9.3	19.7
3 22	12 31.13	+21 35.3	1.512	2.460	9.1	19.7
4 1	12 23.03	+22 50.0	1.531	2.460	10.9	19.8
4 11	12 15.52	+23 32.6	1.574	2.460	13.6	19.9
4 21	12 9.56	+23 42.1	1.637	2.460	16.5	20.1
5 1	12 5.83	+23 20.6	1.717	2.461	19.0	20.3

83778 2001 TD_{195} 3 27.7 116°.45 5°.1/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.16	+11 40.7	2.258	3.096	11.4	18.9
3 2	12 45.40	+12 32.3	2.190	3.098	8.7	18.8
3 12	12 38.86	+13 23.0	2.148	3.101	6.3	18.6
3 22	12 31.14	+14 6.6	2.133	3.103	5.1	18.5
4 1	12 23.02	+14 37.7	2.147	3.106	6.2	18.6
4 11	12 15.34	+14 52.3	2.187	3.108	8.7	18.8
4 21	12 8.82	+14 48.8	2.253	3.110	11.4	18.9
5 1	12 3.99	+14 27.5	2.340	3.113	13.8	19.1

501830 2014 WG_{109} 3 27.7 212°.52 3°.5/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.38	+ 4 9.0	2.010	2.841	12.9	22.0
3 2	12 47.40	+ 5 10.2	1.925	2.834	9.7	21.8
3 12	12 40.32	+ 6 18.3	1.865	2.826	6.2	21.6
3 22	12 31.75	+ 7 26.9	1.832	2.818	3.6	21.4
4 1	12 22.54	+ 8 28.8	1.828	2.809	4.9	21.5
4 11	12 13.71	+ 9 17.4	1.853	2.799	8.3	21.7
4 21	12 6.14	+ 9 48.5	1.903	2.788	11.9	21.8
5 1	12 0.50	+10 0.2	1.976	2.777	15.0	22.0

195571 2002 JT_{84} 3 27.7 258°.48 2°.4/25.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.21	+ 2 41.5	2.055	2.883	12.7	20.2
3 2	12 47.25	+ 3 6.0	1.966	2.873	9.6	20.0
3 12	12 40.22	+ 3 36.3	1.901	2.863	6.1	19.8
3 22	12 31.71	+ 4 7.9	1.863	2.853	2.8	19.5
4 1	12 22.57	+ 4 35.7	1.854	2.842	3.6	19.6
4 11	12 13.78	+ 4 54.7	1.873	2.832	7.3	19.8
4 21	12 6.19	+ 5 1.3	1.918	2.821	10.9	19.9
5 1	12 0.50	+ 4 53.8	1.987	2.810	14.1	20.1

312087 2007 TS_{95} 3 27.7 42°.63 2°.7/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.23	−12 3.8	1.373	2.188	18.6	20.7
3 2	12 45.75	−11 50.7	1.305	2.198	14.6	20.5
3 12	12 39.57	−11 13.6	1.257	2.207	10.0	20.3
3 22	12 31.51	−10 15.3	1.232	2.217	5.2	20.0
4 1	12 22.76	− 9 2.4	1.232	2.228	3.0	19.9
4 11	12 14.67	− 7 44.6	1.258	2.239	7.0	20.2
4 21	12 8.38	− 6 31.8	1.308	2.250	11.7	20.5
5 1	12 4.63	− 5 32.2	1.380	2.262	15.8	20.7

472731 2015 FL_{75} 3 27.7 339°.76 0°.3/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.84	− 6 33.6	1.897	2.717	14.0	21.2
3 2	12 42.57	− 6 0.1	1.811	2.711	10.7	20.9
3 12	12 37.32	− 5 11.5	1.747	2.706	6.9	20.7
3 22	12 30.64	− 4 11.4	1.709	2.701	2.6	20.4
4 1	12 23.38	− 3 5.9	1.699	2.696	1.8	20.3
4 11	12 16.47	− 2 1.9	1.716	2.692	6.1	20.6
4 21	12 10.77	− 1 6.0	1.760	2.688	10.2	20.8
5 1	12 6.91	− 0 23.3	1.826	2.685	13.7	21.0

443759 2015 MU_{23} 3 27.7 275°.98 1°.2/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.30	− 9 9.7	2.412	3.207	12.2	21.9
3 2	12 43.36	− 8 51.0	2.305	3.189	9.5	21.7
3 12	12 37.70	− 8 18.8	2.222	3.171	6.4	21.4
3 22	12 30.78	− 7 35.2	2.166	3.153	2.9	21.2
4 1	12 23.27	− 6 43.8	2.139	3.135	1.6	21.0
4 11	12 15.95	− 5 49.6	2.141	3.117	5.0	21.2
4 21	12 9.57	− 4 58.1	2.170	3.099	8.5	21.4
5 1	12 4.72	− 4 13.9	2.225	3.081	11.7	21.6

31931 Sipiera 3 27.7 238°.45 0°.6/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.11	− 3 46.4	2.222	3.033	12.5	20.5
3 2	12 46.35	− 3 12.2	2.120	3.017	9.6	20.3
3 12	12 39.65	− 2 26.3	2.042	3.001	6.0	20.0
3 22	12 31.51	− 1 32.5	1.992	2.984	2.2	19.7
4 1	12 22.71	− 0 35.7	1.971	2.967	2.1	19.7
4 11	12 14.15	+ 0 18.0	1.980	2.949	6.1	19.9
4 21	12 6.65	+ 1 3.4	2.016	2.930	9.9	20.1
5 1	12 0.89	+ 1 36.3	2.076	2.910	13.2	20.3

270137 2001 RH_{133} 3 27.7 108°.43 2°.0/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 52.79	+ 0 25.4	2.004	2.828	13.2	21.3
3 2	12 47.43	+ 1 8.0	1.942	2.848	9.8	21.2
3 12	12 40.15	+ 1 58.5	1.904	2.867	6.1	21.0
3 22	12 31.61	+ 2 51.4	1.894	2.885	2.5	20.8
4 1	12 22.71	+ 3 40.7	1.914	2.904	3.3	20.8
4 11	12 14.39	+ 4 20.9	1.961	2.921	6.9	21.1
4 21	12 7.42	+ 4 48.2	2.036	2.939	10.3	21.3
5 1	12 2.36	+ 5 0.6	2.133	2.955	13.3	21.6

237053 2008 SD_{149} 3 27.7 74°.34 3°.6/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.35	+10 2.6	3.071	3.905	8.8	20.5
3 2	12 41.36	+10 49.2	3.001	3.909	6.7	20.3
3 12	12 36.14	+11 35.7	2.958	3.913	4.6	20.2
3 22	12 30.12	+12 18.2	2.944	3.917	3.6	20.2
4 1	12 23.81	+12 52.6	2.959	3.921	4.5	20.2
4 11	12 17.79	+13 15.8	3.002	3.926	6.5	20.4
4 21	12 12.55	+13 26.1	3.072	3.930	8.6	20.5
5 1	12 8.49	+13 22.9	3.165	3.934	10.6	20.6

208526 2001 XD_{245} 3 27.7 92°.66 2°.4/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.44	+ 3 31.9	2.272	3.100	11.7	20.4
3 2	12 45.59	+ 3 58.3	2.196	3.104	8.7	20.2
3 12	12 38.99	+ 4 29.2	2.145	3.107	5.5	20.0
3 22	12 31.21	+ 5 0.0	2.122	3.111	2.7	19.8
4 1	12 23.00	+ 5 26.3	2.128	3.115	3.5	19.8
4 11	12 15.20	+ 5 43.8	2.163	3.118	6.7	20.0
4 21	12 8.51	+ 5 49.8	2.224	3.122	9.8	20.2
5 1	12 3.50	+ 5 42.9	2.308	3.125	12.6	20.4

386209 2007 VB_{327} 3 27.7 114°.85 3°.8/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.61	−17 30.7	2.336	3.093	13.6	21.0
3 2	12 43.58	−17 26.9	2.247	3.097	11.1	20.8
3 12	12 37.80	−17 4.9	2.179	3.100	8.2	20.6
3 22	12 30.79	−16 25.3	2.137	3.104	5.4	20.4
4 1	12 23.30	−15 31.1	2.123	3.107	3.8	20.4
4 11	12 16.14	−14 27.3	2.137	3.111	5.3	20.4
4 21	12 10.05	−13 20.0	2.179	3.114	8.1	20.6
5 1	12 5.59	−12 15.5	2.246	3.118	11.0	20.8

385141 2013 TG_{3} 3 27.7 138°.49 0°.4/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.70	− 3 46.1	2.331	3.139	12.1	22.0
3 2	12 45.73	− 3 17.7	2.253	3.150	9.1	21.9
3 12	12 39.05	− 2 39.6	2.201	3.159	5.7	21.7
3 22	12 31.23	− 1 55.2	2.177	3.169	2.0	21.4
4 1	12 23.00	− 1 9.3	2.182	3.178	1.8	21.4
4 11	12 15.17	− 0 26.8	2.217	3.186	5.5	21.7
4 21	12 8.45	+ 0 8.1	2.279	3.194	8.8	21.9
5 1	12 3.37	+ 0 32.3	2.366	3.202	11.7	22.1

69703 1998 HQ_{63} 3 27.7 273°.76 2°.4/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.11	+ 1 29.8	1.980	2.812	13.0	19.4
3 2	12 45.82	+ 2 11.2	1.884	2.794	9.8	19.1
3 12	12 39.42	+ 3 1.3	1.812	2.776	6.2	18.9
3 22	12 31.46	+ 3 55.0	1.767	2.758	2.8	18.6
4 1	12 22.78	+ 4 46.0	1.750	2.739	3.8	18.7
4 11	12 14.37	+ 5 27.8	1.761	2.720	7.6	18.8
4 21	12 7.13	+ 5 55.7	1.798	2.701	11.5	19.0
5 1	12 1.81	+ 6 6.8	1.857	2.682	14.9	19.2

465082 2006 TE_{105} 3 27.7 79°.83 3°.5/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.52	+ 4 36.1	1.660	2.497	14.9	21.4
3 2	12 49.77	+ 5 14.3	1.609	2.520	11.1	21.2
3 12	12 41.72	+ 5 56.9	1.580	2.543	7.0	21.0
3 22	12 32.21	+ 6 37.4	1.578	2.565	3.8	20.9
4 1	12 22.34	+ 7 9.2	1.604	2.588	4.9	21.0
4 11	12 13.28	+ 7 26.9	1.657	2.610	8.5	21.3
4 21	12 5.91	+ 7 28.2	1.735	2.632	12.2	21.5
5 1	12 0.82	+ 7 12.7	1.834	2.654	15.3	21.8

495008 2010 MQ_{77} 3 27.7 246°.94 2°.6/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.75	−12 10.1	1.967	2.751	14.9	22.1
3 2	12 47.99	−12 5.2	1.859	2.733	11.9	21.9
3 12	12 40.91	−11 42.4	1.773	2.714	8.3	21.6
3 22	12 32.07	−11 2.7	1.713	2.695	4.5	21.3
4 1	12 22.32	−10 9.1	1.681	2.675	2.8	21.2
4 11	12 12.78	− 9 7.9	1.677	2.654	6.1	21.3
4 21	12 4.45	− 8 6.0	1.700	2.632	10.2	21.5
5 1	11 58.17	− 7 10.6	1.748	2.610	14.0	21.7

145367 2005 MS_{41} 3 27.7 177°.90 0°.8/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.32	− 2 38.2	2.681	3.493	10.6	21.3
3 2	12 43.06	− 2 2.3	2.595	3.494	8.0	21.1
3 12	12 37.33	− 1 18.1	2.535	3.495	4.9	21.0
3 22	12 30.61	− 0 29.0	2.503	3.495	1.8	20.7
4 1	12 23.50	+ 0 20.7	2.501	3.495	1.9	20.7
4 11	12 16.69	+ 1 6.6	2.529	3.495	5.1	21.0
4 21	12 10.76	+ 1 44.7	2.584	3.495	8.1	21.1
5 1	12 6.19	+ 2 12.3	2.665	3.494	10.8	21.3

116784 2004 EC_{34} 3 27.7 18°.71 0°.5/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 44.79	− 6 30.3	2.750	3.553	10.6	19.8
3 2	12 41.14	− 6 11.0	2.665	3.556	8.1	19.7
3 12	12 36.11	− 5 42.0	2.605	3.559	5.2	19.5
3 22	12 30.15	− 5 5.8	2.573	3.563	2.1	19.3
4 1	12 23.85	− 4 25.9	2.570	3.567	1.3	19.2
4 11	12 17.82	− 3 46.2	2.596	3.571	4.4	19.4
4 21	12 12.63	− 3 10.6	2.650	3.575	7.3	19.6
5 1	12 8.71	− 2 42.3	2.729	3.580	9.9	19.8

201937 2004 EA_{16} 3 27.7 51°.93 0°.6/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 43.74	− 3 27.1	2.890	3.703	9.9	20.0
3 2	12 40.25	− 2 45.2	2.811	3.711	7.4	19.8
3 12	12 35.50	− 1 55.1	2.758	3.718	4.6	19.7
3 22	12 29.92	− 1 0.2	2.733	3.726	1.6	19.4
4 1	12 24.03	− 0 4.5	2.739	3.733	1.7	19.5
4 11	12 18.43	+ 0 47.5	2.774	3.741	4.6	19.7
4 21	12 13.62	+ 1 32.2	2.836	3.749	7.4	19.9
5 1	12 9.99	+ 2 6.8	2.924	3.757	9.8	20.0

401858 2000 QJ_{54} 3 27.7 214°.02 1°.4/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.51	− 8 26.5	2.137	2.925	13.7	22.2
3 2	12 49.79	− 8 19.8	2.035	2.915	10.7	21.9
3 12	12 41.89	− 7 59.4	1.957	2.905	7.2	21.7
3 22	12 32.40	− 7 27.1	1.907	2.894	3.3	21.4
4 1	12 22.15	− 6 46.6	1.885	2.882	1.9	21.3
4 11	12 12.18	− 6 3.1	1.894	2.869	5.7	21.5
4 21	12 3.41	− 5 22.1	1.931	2.855	9.7	21.7
5 1	11 56.57	− 4 48.8	1.992	2.840	13.2	21.9

143576 2003 FS_{1} 3 27.7 330°.43 17°.0/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.69	+37 35.6	1.457	2.278	17.4	18.8
3 2	12 45.19	+40 34.4	1.426	2.264	17.0	18.7
3 12	12 39.55	+43 6.1	1.416	2.249	17.4	18.7
3 22	12 31.61	+44 56.4	1.425	2.236	18.7	18.8
4 1	12 22.77	+45 56.2	1.451	2.223	20.3	18.9
4 11	12 14.67	+46 3.3	1.491	2.211	22.1	19.0
4 21	12 8.65	+45 21.9	1.543	2.200	23.8	19.1
5 1	12 5.57	+43 59.1	1.604	2.190	25.3	19.2

291256 2006 BR_{56} 3 27.7 309°.39 1°.7/26.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.08	− 2 30.1	1.312	2.160	17.4	21.2
3 2	12 45.96	− 1 46.7	1.231	2.148	13.3	20.9
3 12	12 39.96	− 0 45.9	1.169	2.136	8.3	20.6
3 22	12 31.78	+ 0 26.1	1.132	2.125	3.1	20.2
4 1	12 22.61	+ 1 39.8	1.119	2.114	3.7	20.2
4 11	12 13.89	+ 2 44.6	1.132	2.103	9.2	20.5
4 21	12 6.93	+ 3 32.0	1.167	2.093	14.4	20.8
5 1	12 2.66	+ 3 56.9	1.222	2.083	18.9	21.0

276535 2003 SB_{61} 3 27.7 180°.27 2°.6/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.83	+ 2 19.4	2.313	3.141	11.5	20.7
3 2	12 44.41	+ 3 16.8	2.234	3.142	8.6	20.5
3 12	12 38.29	+ 4 21.0	2.180	3.143	5.4	20.3
3 22	12 31.00	+ 5 26.7	2.154	3.143	2.8	20.1
4 1	12 23.26	+ 6 27.9	2.158	3.143	3.8	20.2
4 11	12 15.89	+ 7 19.1	2.191	3.142	6.9	20.4
4 21	12 9.56	+ 7 56.4	2.250	3.141	10.0	20.6
5 1	12 4.84	+ 8 17.6	2.332	3.140	12.8	20.8

11902 1991 PZ_{12} 3 27.7 135°.50 2°.4/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.74	−11 12.0	1.862	2.652	15.4	18.7
3 2	12 48.55	−11 10.9	1.783	2.661	12.1	18.5
3 12	12 41.10	−10 52.7	1.727	2.670	8.3	18.3
3 22	12 32.09	−10 19.2	1.696	2.679	4.3	18.1
4 1	12 22.47	− 9 34.3	1.693	2.687	2.6	18.0
4 11	12 13.37	− 8 44.3	1.718	2.695	5.9	18.2
4 21	12 5.70	− 7 55.6	1.770	2.702	9.8	18.4
5 1	12 0.16	− 7 14.2	1.846	2.709	13.3	18.7

213777 2003 EN_{10} 3 27.7 12°.67 1°.7/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.42	−10 4.7	1.960	2.764	14.2	19.7
3 2	12 42.94	− 9 49.4	1.878	2.766	11.1	19.5
3 12	12 37.52	− 9 17.9	1.819	2.769	7.5	19.3
3 22	12 30.76	− 8 32.9	1.786	2.772	3.6	19.0
4 1	12 23.46	− 7 38.7	1.780	2.776	2.0	18.9
4 11	12 16.56	− 6 41.8	1.801	2.780	5.5	19.1
4 21	12 10.86	− 5 48.3	1.849	2.785	9.3	19.4
5 1	12 6.98	− 5 3.8	1.921	2.790	12.7	19.6

111586 2002 AR_{42} 3 27.7 137°.13 4°.7/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.49	+11 0.8	2.637	3.475	9.9	20.2
3 2	12 42.44	+12 22.8	2.573	3.482	7.6	20.0
3 12	12 36.94	+13 45.0	2.537	3.488	5.5	19.9
3 22	12 30.48	+15 1.4	2.529	3.495	4.7	19.8
4 1	12 23.69	+16 6.2	2.550	3.501	5.9	19.9
4 11	12 17.23	+16 55.0	2.600	3.507	8.1	20.1
4 21	12 11.71	+17 25.6	2.674	3.513	10.4	20.2
5 1	12 7.56	+17 37.6	2.770	3.518	12.4	20.4

468546 2006 SU_{99} 3 27.7 227°.08 1°.4/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 50.54	+ 0 30.3	2.527	3.344	11.0	21.7
3 2	12 45.61	+ 0 49.2	2.436	3.337	8.3	21.5
3 12	12 39.03	+ 1 14.2	2.370	3.331	5.2	21.3
3 22	12 31.29	+ 1 41.7	2.332	3.324	2.0	21.1
4 1	12 23.07	+ 2 8.1	2.325	3.317	2.5	21.1
4 11	12 15.14	+ 2 29.1	2.347	3.310	5.7	21.3
4 21	12 8.18	+ 2 41.9	2.396	3.302	8.9	21.5
5 1	12 2.73	+ 2 44.1	2.470	3.294	11.7	21.7

284857 2009 BP_{158} 3 27.7 42°.17 2°.2/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.05	+ 0 13.2	2.135	2.967	12.2	20.1
3 2	12 42.45	+ 1 17.9	2.059	2.970	9.1	19.9
3 12	12 37.11	+ 2 31.9	2.008	2.973	5.6	19.7
3 22	12 30.58	+ 3 49.3	1.985	2.975	2.6	19.5
4 1	12 23.61	+ 5 3.5	1.991	2.978	3.6	19.6
4 11	12 17.03	+ 6 7.8	2.024	2.981	6.9	19.8
4 21	12 11.53	+ 6 57.6	2.084	2.984	10.3	20.0
5 1	12 7.67	+ 7 30.1	2.167	2.988	13.2	20.2

121350 1999 TU_{34} 3 27.7 144°.45 0°.9/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.04	+ 0 45.0	1.250	2.075	19.5	19.3
3 2	13 0.46	+ 0 11.5	1.178	2.081	14.9	19.0
3 12	12 49.19	− 0 15.8	1.126	2.087	9.5	18.7
3 22	12 35.21	− 0 39.8	1.100	2.092	3.5	18.3
4 1	12 20.19	− 1 3.9	1.101	2.097	3.1	18.3
4 11	12 6.07	− 1 32.2	1.129	2.101	9.1	18.7
4 21	11 54.48	− 2 7.3	1.182	2.105	14.5	19.0
5 1	11 46.39	− 2 50.9	1.256	2.108	19.0	19.3

171539 1999 RJ_{86} 3 27.7 147°.90 1°.9/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.53	− 0 6.8	1.945	2.768	13.6	20.7
3 2	12 48.20	+ 0 35.4	1.873	2.777	10.2	20.5
3 12	12 40.78	+ 1 26.6	1.824	2.786	6.3	20.3
3 22	12 31.95	+ 2 21.5	1.803	2.794	2.6	20.1
4 1	12 22.63	+ 3 13.9	1.811	2.802	3.3	20.1
4 11	12 13.83	+ 3 57.6	1.847	2.809	7.1	20.4
4 21	12 6.39	+ 4 28.2	1.910	2.815	10.8	20.6
5 1	12 0.95	+ 4 43.3	1.996	2.821	14.0	20.9

369674 2011 UZ_{181} 3 27.7 271°.78 1°.6/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.45	− 9 9.0	1.539	2.353	17.0	21.4
3 2	12 47.57	− 8 54.2	1.441	2.335	13.4	21.1
3 12	12 40.95	− 8 19.2	1.363	2.317	9.0	20.8
3 22	12 32.20	− 7 26.0	1.310	2.299	4.1	20.5
4 1	12 22.37	− 6 20.1	1.283	2.280	2.3	20.3
4 11	12 12.81	− 5 9.9	1.283	2.261	7.3	20.5
4 21	12 4.76	− 4 4.6	1.307	2.242	12.4	20.8
5 1	11 59.20	− 3 12.1	1.353	2.222	16.9	21.0

145855 1999 CV_{105} 3 27.7 96°.24 0°.2/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.40	− 6 54.9	1.855	2.665	14.7	19.9
3 2	12 46.60	− 6 13.4	1.791	2.686	11.1	19.7
3 12	12 39.75	− 5 17.0	1.750	2.707	7.1	19.5
3 22	12 31.56	− 4 10.2	1.736	2.727	2.7	19.3
4 1	12 22.97	− 2 59.6	1.750	2.747	1.8	19.2
4 11	12 14.98	− 1 52.5	1.792	2.766	6.1	19.6
4 21	12 8.41	− 0 55.2	1.862	2.785	10.0	19.8
5 1	12 3.83	− 0 11.9	1.954	2.803	13.3	20.1

119599 2001 WB_{12} 3 27.7 263°.17 0°.7/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.82	− 4 26.6	1.898	2.719	13.9	19.8
3 2	12 44.95	− 3 39.6	1.802	2.705	10.6	19.5
3 12	12 38.95	− 2 37.6	1.729	2.690	6.7	19.2
3 22	12 31.37	− 1 25.1	1.683	2.676	2.4	18.9
4 1	12 23.06	− 0 9.0	1.665	2.661	2.4	18.9
4 11	12 15.04	+ 1 3.1	1.675	2.645	6.9	19.1
4 21	12 8.24	+ 2 4.2	1.712	2.630	11.1	19.4
5 1	12 3.38	+ 2 49.3	1.771	2.614	14.7	19.6

389543 2010 LY_{36} 3 27.7 281°.35 0°.8/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.09	− 3 24.9	2.422	3.239	11.4	21.6
3 2	12 42.42	− 2 42.8	2.322	3.223	8.6	21.4
3 12	12 37.11	− 1 50.0	2.248	3.208	5.4	21.1
3 22	12 30.63	− 0 50.2	2.201	3.193	1.9	20.9
4 1	12 23.62	+ 0 11.6	2.183	3.178	2.1	20.8
4 11	12 16.85	+ 1 9.8	2.195	3.163	5.6	21.1
4 21	12 10.98	+ 1 59.6	2.233	3.147	9.0	21.2
5 1	12 6.60	+ 2 37.1	2.296	3.132	12.0	21.4

34488 2000 SO_{135} 3 27.7 302°.11 2°.9/31.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.45	−14 34.7	2.236	3.013	13.5	19.2
3 2	12 42.86	−14 22.9	2.138	3.005	10.9	19.0
3 12	12 37.47	−13 53.4	2.063	2.998	7.8	18.8
3 22	12 30.77	−13 7.5	2.014	2.990	4.6	18.6
4 1	12 23.52	−12 8.5	1.992	2.983	3.0	18.5
4 11	12 16.54	−11 1.9	1.998	2.976	5.2	18.6
4 21	12 10.60	− 9 54.3	2.032	2.969	8.5	18.8
5 1	12 6.31	− 8 51.6	2.091	2.962	11.7	19.0

371113 2005 VR_{88} 3 27.7 163°.34 1°.0/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 49.93	− 3 6.2	2.091	2.909	12.9	22.3
3 2	12 45.42	− 2 20.2	2.011	2.913	9.7	22.1
3 12	12 39.03	− 1 22.8	1.955	2.916	6.1	21.9
3 22	12 31.33	− 0 18.6	1.927	2.919	2.2	21.6
4 1	12 23.13	+ 0 46.3	1.928	2.922	2.4	21.6
4 11	12 15.35	+ 1 45.4	1.957	2.924	6.3	21.9
4 21	12 8.75	+ 2 33.6	2.014	2.926	10.0	22.1
5 1	12 3.93	+ 3 7.3	2.094	2.928	13.1	22.3

357539 2004 RJ_{256} 3 27.7 143°.38 0°.1/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.20	− 5 12.8	1.784	2.595	15.1	21.9
3 2	12 49.68	− 4 50.1	1.709	2.605	11.5	21.7
3 12	12 41.83	− 4 13.8	1.658	2.615	7.3	21.4
3 22	12 32.39	− 3 27.9	1.633	2.624	2.7	21.1
4 1	12 22.37	− 2 37.9	1.636	2.633	2.0	21.1
4 11	12 12.92	− 1 50.8	1.668	2.641	6.6	21.4
4 21	12 4.99	− 1 12.2	1.727	2.648	10.8	21.7
5 1	11 59.27	− 0 46.3	1.808	2.655	14.3	21.9

77896 2001 TQ_5 3 27.7 359°.94 3°.9/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.57	+ 5 12.7	2.095	2.938	12.0	19.1
3 2	12 42.90	+ 6 26.1	2.022	2.937	9.0	18.9
3 12	12 37.43	+ 7 45.1	1.975	2.937	5.9	18.7
3 22	12 30.74	+ 9 3.0	1.954	2.937	3.9	18.6
4 1	12 23.58	+10 12.5	1.962	2.937	5.2	18.6
4 11	12 16.80	+11 7.6	1.997	2.937	8.2	18.8
4 21	12 11.15	+11 44.3	2.058	2.938	11.3	19.0
5 1	12 7.18	+12 1.1	2.140	2.938	14.1	19.2

464681 2001 UA_{62} 3 27.7 186°.80 1°.3/26.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.96	− 0 38.8	2.357	3.169	11.8	22.5
3 2	12 47.53	− 0 9.8	2.270	3.169	8.9	22.3
3 12	12 40.29	+ 0 26.8	2.208	3.168	5.6	22.1
3 22	12 31.79	+ 1 7.4	2.174	3.166	2.1	21.8
4 1	12 22.80	+ 1 47.2	2.171	3.164	2.5	21.9
4 11	12 14.16	+ 2 21.5	2.198	3.161	6.0	22.1
4 21	12 6.60	+ 2 46.4	2.252	3.157	9.4	22.3
5 1	12 0.73	+ 2 59.5	2.330	3.153	12.3	22.5

300232 2006 YL_5 3 27.7 151°.81 1°.2/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.86	− 9 25.9	2.873	3.657	10.7	21.8
3 2	12 43.40	− 9 9.0	2.786	3.663	8.3	21.6
3 12	12 37.54	− 8 41.2	2.724	3.669	5.5	21.4
3 22	12 30.74	− 8 4.4	2.689	3.675	2.6	21.3
4 1	12 23.59	− 7 21.8	2.685	3.681	1.5	21.2
4 11	12 16.73	− 6 37.3	2.710	3.686	4.2	21.4
4 21	12 10.70	− 5 55.0	2.764	3.691	7.0	21.6
5 1	12 5.99	− 5 18.4	2.845	3.695	9.6	21.7

271827 2004 TG_{160} 3 27.8 227°.13 1°.7/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.04	−10 20.0	2.025	2.821	14.1	20.4
3 2	12 44.94	−10 1.2	1.935	2.818	11.0	20.2
3 12	12 38.83	− 9 25.9	1.867	2.815	7.4	19.9
3 22	12 31.30	− 8 36.5	1.825	2.812	3.6	19.7
4 1	12 23.16	− 7 37.5	1.812	2.808	2.0	19.6
4 11	12 15.38	− 6 35.2	1.827	2.804	5.6	19.8
4 21	12 8.78	− 5 36.2	1.869	2.801	9.4	20.0
5 1	12 4.03	− 4 46.1	1.934	2.797	12.9	20.2

2670 Chuvashia 3 27.8 89°.63 4°.4/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.58	−19 4.4	2.420	3.163	13.5	16.2
3 2	12 44.30	−19 15.8	2.332	3.170	11.2	16.0
3 12	12 38.28	−19 9.5	2.267	3.177	8.5	15.9
3 22	12 31.06	−18 45.6	2.226	3.184	5.9	15.7
4 1	12 23.36	−18 6.0	2.214	3.191	4.4	15.6
4 11	12 15.99	−17 15.1	2.229	3.198	5.5	15.7
4 21	12 9.67	−16 18.4	2.272	3.205	7.9	15.9
5 1	12 4.97	−15 21.7	2.341	3.212	10.6	16.1

192561 1998 VA_9 3 27.8 130°.78 1°.3/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.29	− 9 17.7	1.798	2.594	15.6	21.5
3 2	12 49.69	− 8 53.3	1.726	2.611	12.1	21.3
3 12	12 41.80	− 8 11.6	1.677	2.627	8.0	21.1
3 22	12 32.37	− 7 16.2	1.654	2.643	3.5	20.8
4 1	12 22.42	− 6 12.6	1.660	2.657	1.9	20.8
4 11	12 13.09	− 5 8.4	1.695	2.671	6.2	21.1
4 21	12 5.30	− 4 10.3	1.756	2.683	10.3	21.3
5 1	11 59.72	− 3 24.0	1.841	2.695	13.8	21.6

154779 2004 PQ_{33} 3 27.8 226°.48 0°.8/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.11	− 7 35.9	2.015	2.820	13.8	20.9
3 2	12 45.75	− 7 15.2	1.924	2.815	10.7	20.6
3 12	12 39.36	− 6 40.0	1.856	2.810	7.0	20.4
3 22	12 31.51	− 5 53.3	1.815	2.805	2.9	20.1
4 1	12 23.02	− 4 59.7	1.802	2.799	1.7	20.0
4 11	12 14.88	− 4 5.4	1.817	2.793	5.8	20.3
4 21	12 7.94	− 3 16.4	1.860	2.787	9.8	20.5
5 1	12 2.87	− 2 37.7	1.926	2.781	13.2	20.7

165464 2001 AY_{19} 3 27.8 128°.67 3°.1/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 54.56	+ 3 26.2	2.084	2.908	12.7	21.0
3 2	12 48.73	+ 4 27.8	2.023	2.929	9.5	20.8
3 12	12 40.99	+ 5 34.9	1.987	2.948	6.0	20.6
3 22	12 32.02	+ 6 41.4	1.980	2.967	3.3	20.5
4 1	12 22.70	+ 7 40.5	2.003	2.985	4.4	20.6
4 11	12 13.96	+ 8 26.8	2.055	3.002	7.6	20.8
4 21	12 6.57	+ 8 56.7	2.133	3.018	10.8	21.0
5 1	12 1.07	+ 9 9.2	2.234	3.033	13.6	21.2

308483 2005 TR_{77} 3 27.8 86°.16 2°.5/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.25	+ 3 19.1	1.892	2.716	13.9	21.0
3 2	12 50.83	+ 3 38.9	1.837	2.742	10.3	20.9
3 12	12 42.33	+ 4 3.3	1.806	2.767	6.5	20.7
3 22	12 32.51	+ 4 27.3	1.803	2.792	3.0	20.5
4 1	12 22.38	+ 4 45.8	1.828	2.817	3.7	20.6
4 11	12 12.99	+ 4 54.6	1.883	2.841	7.3	20.9
4 21	12 5.15	+ 4 51.4	1.964	2.865	10.8	21.1
5 1	11 59.43	+ 4 35.4	2.068	2.888	13.7	21.4

37581 1990 SU_{15} 3 27.8 243°.52 0°.8/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.10	− 4 29.5	2.294	3.107	12.1	19.2
3 2	12 44.05	− 3 29.4	2.193	3.092	9.2	19.0
3 12	12 38.21	− 2 15.7	2.116	3.076	5.8	18.7
3 22	12 31.08	− 0 52.9	2.067	3.060	2.1	18.4
4 1	12 23.35	+ 0 33.0	2.049	3.043	2.3	18.4
4 11	12 15.86	+ 1 54.9	2.059	3.026	6.1	18.6
4 21	12 9.36	+ 3 6.7	2.098	3.008	9.7	18.8
5 1	12 4.46	+ 4 3.7	2.160	2.990	12.9	19.0

85587 1998 FE_{14} 3 27.8 338°.29 2°.4/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 42.67	− 1 49.2	1.758	2.602	13.9	18.7
3 2	12 40.38	− 0 26.8	1.673	2.590	10.4	18.4
3 12	12 36.08	+ 1 11.1	1.611	2.578	6.4	18.2
3 22	12 30.32	+ 2 57.5	1.575	2.567	2.8	17.9
4 1	12 23.93	+ 4 42.9	1.567	2.557	4.0	18.0
4 11	12 17.89	+ 6 17.6	1.587	2.547	8.1	18.2
4 21	12 13.05	+ 7 34.0	1.631	2.539	12.1	18.4
5 1	12 10.09	+ 8 27.6	1.696	2.531	15.6	18.6

362745 2011 UP_{325} 3 27.8 116°.93 1°.1/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.91	− 9 36.7	1.611	2.422	16.5	21.0
3 2	12 46.69	− 8 58.7	1.537	2.430	12.8	20.8
3 12	12 40.08	− 8 0.2	1.485	2.439	8.4	20.6
3 22	12 31.79	− 6 45.6	1.458	2.447	3.6	20.3
4 1	12 22.89	− 5 22.0	1.458	2.455	2.0	20.2
4 11	12 14.56	− 3 58.7	1.486	2.463	6.6	20.5
4 21	12 7.81	− 2 44.3	1.539	2.471	11.1	20.8
5 1	12 3.32	− 1 45.1	1.615	2.478	14.9	21.0

210897 2001 SB_{166} 3 27.8 128°.98 0°.1/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.02	− 4 52.2	2.819	3.618	10.5	21.3
3 2	12 44.21	− 4 24.4	2.743	3.633	7.9	21.2
3 12	12 38.03	− 3 48.0	2.692	3.648	5.0	21.0
3 22	12 30.93	− 3 5.8	2.670	3.662	1.8	20.8
4 1	12 23.54	− 2 21.6	2.679	3.675	1.4	20.8
4 11	12 16.48	− 1 39.4	2.718	3.689	4.5	21.0
4 21	12 10.32	− 1 2.9	2.786	3.701	7.4	21.2
5 1	12 5.50	− 0 34.9	2.879	3.714	9.9	21.4

287158 2002 RN_{235} 3 27.8 145°.71 0°.9/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.52	− 7 50.0	2.278	3.077	12.6	21.0
3 2	12 45.01	− 7 33.1	2.194	3.081	9.8	20.8
3 12	12 38.74	− 7 3.5	2.134	3.085	6.4	20.6
3 22	12 31.25	− 6 24.1	2.100	3.089	2.8	20.4
4 1	12 23.29	− 5 38.6	2.096	3.093	1.6	20.3
4 11	12 15.69	− 4 52.5	2.121	3.096	5.1	20.5
4 21	12 9.18	− 4 10.4	2.173	3.100	8.6	20.7
5 1	12 4.31	− 3 36.7	2.250	3.103	11.7	20.9

291178 2006 AD_{43} 3 27.8 245°.96 3°.7/31.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.09	−15 4.3	1.988	2.763	15.1	20.6
3 2	12 45.86	−15 10.9	1.896	2.760	12.2	20.4
3 12	12 39.50	−14 58.7	1.825	2.756	8.9	20.2
3 22	12 31.60	−14 28.3	1.779	2.753	5.5	20.0
4 1	12 23.01	−13 42.4	1.760	2.749	3.7	19.9
4 11	12 14.76	−12 46.6	1.769	2.745	5.9	20.0
4 21	12 7.75	−11 47.6	1.804	2.741	9.4	20.2
5 1	12 2.69	−10 52.2	1.864	2.737	12.8	20.4

511572 2014 WT_{479} 3 27.8 286°.73 6°.6/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.58	−22 3.0	1.945	2.686	16.5	20.8
3 2	12 45.75	−22 32.0	1.842	2.673	14.0	20.6
3 12	12 39.61	−22 38.4	1.759	2.659	11.1	20.3
3 22	12 31.69	−22 20.1	1.698	2.646	8.3	20.1
4 1	12 22.91	−21 37.6	1.663	2.632	6.6	20.0
4 11	12 14.35	−20 35.3	1.654	2.619	7.5	20.0
4 21	12 7.05	−19 20.5	1.671	2.606	10.2	20.1
5 1	12 1.85	−18 2.2	1.712	2.592	13.3	20.3

416833 2005 JT_{101} 3 27.8 9°.07 10°.5/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 51.88	+19 59.6	1.502	2.355	15.3	20.6
3 2	12 47.66	+21 45.1	1.452	2.355	12.7	20.4
3 12	12 40.77	+23 21.8	1.424	2.355	10.8	20.3
3 22	12 32.07	+24 37.7	1.420	2.356	10.7	20.3
4 1	12 22.75	+25 22.9	1.440	2.357	12.3	20.4
4 11	12 14.16	+25 32.7	1.482	2.358	14.9	20.5
4 21	12 7.38	+25 7.8	1.543	2.360	17.7	20.7
5 1	12 3.11	+24 12.4	1.621	2.361	20.1	20.9

73621 3381 $T\text{-}_{3}$ 3 27.8 99°.65 1°.2/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.10	− 2 17.7	1.638	2.464	15.5	19.6
3 2	12 48.94	− 1 46.6	1.574	2.479	11.7	19.4
3 12	12 41.40	− 1 3.7	1.532	2.494	7.3	19.1
3 22	12 32.26	− 0 14.3	1.517	2.509	2.6	18.9
4 1	12 22.62	+ 0 34.8	1.529	2.524	2.8	18.9
4 11	12 13.64	+ 1 16.8	1.569	2.538	7.3	19.2
4 21	12 6.31	+ 1 46.5	1.634	2.552	11.5	19.5
5 1	12 1.26	+ 2 0.7	1.722	2.566	15.0	19.8

496672 2016 CF_{54} 3 27.8 318°.24 3°.7/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.14	+ 2 32.3	1.450	2.300	15.9	21.2
3 2	12 46.45	+ 3 26.9	1.374	2.294	12.0	20.9
3 12	12 40.13	+ 4 31.9	1.321	2.287	7.6	20.6
3 22	12 31.89	+ 5 39.5	1.292	2.281	3.9	20.4
4 1	12 22.85	+ 6 40.5	1.289	2.275	5.3	20.5
4 11	12 14.32	+ 7 26.1	1.311	2.270	9.7	20.7
4 21	12 7.44	+ 7 50.9	1.357	2.265	14.1	20.9
5 1	12 3.03	+ 7 52.7	1.422	2.260	18.0	21.2

374064 2004 RF_{33} 3 27.8 151°.13 1°.5/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.07	− 8 39.7	2.410	3.193	12.5	21.7
3 2	12 48.33	− 8 42.0	2.325	3.202	9.7	21.5
3 12	12 40.79	− 8 32.7	2.265	3.210	6.5	21.3
3 22	12 32.02	− 8 13.5	2.232	3.218	3.1	21.1
4 1	12 22.78	− 7 47.4	2.230	3.226	1.8	21.0
4 11	12 13.92	− 7 18.4	2.257	3.232	4.9	21.2
4 21	12 6.17	− 6 50.9	2.314	3.238	8.2	21.4
5 1	12 0.12	− 6 28.6	2.395	3.244	11.2	21.6

432797 2011 GZ 3 27.8 287°.03 1°.5/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.11	− 9 37.7	1.913	2.717	14.5	21.7
3 2	12 44.44	− 9 16.2	1.816	2.705	11.3	21.5
3 12	12 38.66	− 8 37.4	1.742	2.693	7.6	21.2
3 22	12 31.32	− 7 43.9	1.693	2.680	3.5	20.9
4 1	12 23.26	− 6 40.4	1.672	2.668	1.9	20.8
4 11	12 15.49	− 5 33.8	1.678	2.656	5.9	21.0
4 21	12 8.93	− 4 31.2	1.711	2.644	10.1	21.2
5 1	12 4.29	− 3 38.9	1.767	2.632	13.8	21.4

384089 2008 VZ_{74} 3 27.8 182°.72 4°.1/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.38	+ 9 45.5	2.855	3.684	9.5	22.3
3 2	12 44.56	+10 55.0	2.780	3.685	7.3	22.2
3 12	12 38.30	+12 5.5	2.732	3.685	5.1	22.0
3 22	12 31.07	+13 11.9	2.713	3.684	4.1	22.0
4 1	12 23.48	+14 9.0	2.725	3.683	5.1	22.0
4 11	12 16.19	+14 52.6	2.765	3.681	7.3	22.2
4 21	12 9.77	+15 20.4	2.832	3.678	9.6	22.3
5 1	12 4.70	+15 31.7	2.922	3.675	11.7	22.5

55317 2001 SF_{67} 3 27.8 292°.86 6°.1/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.35	+11 39.4	1.673	2.515	14.6	18.4
3 2	12 50.98	+12 14.2	1.588	2.498	11.3	18.2
3 12	12 42.94	+12 47.9	1.526	2.482	8.1	18.0
3 22	12 32.94	+13 12.7	1.490	2.465	6.2	17.8
4 1	12 22.07	+13 21.4	1.481	2.449	7.5	17.8
4 11	12 11.64	+13 9.0	1.497	2.432	10.8	18.0
4 21	12 2.82	+12 34.0	1.538	2.416	14.6	18.2
5 1	11 56.44	+11 37.8	1.599	2.400	17.9	18.4

55871 1997 UE_{1} 3 27.8 150°.07 1°.1/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.96	− 1 13.3	2.505	3.313	11.4	20.2
3 2	12 47.34	− 0 39.3	2.428	3.325	8.5	20.0
3 12	12 40.08	+ 0 2.3	2.378	3.337	5.3	19.8
3 22	12 31.73	+ 0 47.7	2.356	3.347	2.0	19.6
4 1	12 23.01	+ 1 32.2	2.364	3.357	2.3	19.7
4 11	12 14.70	+ 2 11.3	2.404	3.366	5.6	19.9
4 21	12 7.45	+ 2 41.5	2.471	3.375	8.7	20.1
5 1	12 1.78	+ 3 0.2	2.563	3.382	11.4	20.3

523672 2013 FJ_{28} 3 27.8 328°.09 0°.0/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.43	− 2 30.6	24.776	25.578	1.3	22.3
3 2	12 29.51	− 2 22.5	24.670	25.564	1.0	22.3
3 12	12 28.48	− 2 13.7	24.592	25.550	0.6	22.2
3 22	12 27.36	− 2 4.4	24.544	25.536	0.2	22.1
4 1	12 26.22	− 1 55.0	24.526	25.522	0.2	22.1
4 11	12 25.10	− 1 45.8	24.538	25.508	0.6	22.2
4 21	12 24.04	− 1 37.0	24.579	25.494	1.0	22.2
5 1	12 23.09	− 1 29.1	24.647	25.480	1.3	22.3

146474 2001 RC_{83} 3 27.8 12°.78 1°.0/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 45.94	− 9 56.7	1.468	2.292	17.2	19.2
3 2	12 43.20	− 9 9.7	1.393	2.293	13.3	19.0
3 12	12 38.01	− 7 59.4	1.338	2.295	8.7	18.7
3 22	12 31.08	− 6 30.6	1.308	2.298	3.7	18.4
4 1	12 23.47	− 4 51.5	1.304	2.301	2.0	18.3
4 11	12 16.40	− 3 13.2	1.326	2.305	7.0	18.6
4 21	12 10.89	− 1 45.8	1.373	2.310	11.7	18.9
5 1	12 7.67	− 0 36.7	1.442	2.315	15.8	19.2

123034 2000 SG_{288} 3 27.8 170°.74 5°.7/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.31	−24 30.3	2.547	3.249	13.9	20.2
3 2	12 46.39	−24 43.4	2.451	3.253	11.8	20.0
3 12	12 39.65	−24 36.4	2.376	3.256	9.5	19.9
3 22	12 31.63	−24 8.4	2.325	3.259	7.2	19.7
4 1	12 23.07	−23 20.6	2.301	3.261	5.8	19.6
4 11	12 14.82	−22 17.0	2.306	3.262	6.3	19.7
4 21	12 7.64	−21 3.5	2.339	3.263	8.2	19.8
5 1	12 2.13	−19 47.0	2.397	3.264	10.5	19.9

170272 2003 QC_{84} 3 27.8 143°.19 0°.9/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.71	− 7 52.9	1.916	2.716	14.6	21.4
3 2	12 48.45	− 7 30.6	1.839	2.727	11.3	21.2
3 12	12 41.03	− 6 53.2	1.785	2.737	7.4	21.0
3 22	12 32.14	− 6 3.9	1.757	2.747	3.1	20.7
4 1	12 22.72	− 5 8.1	1.759	2.756	1.8	20.6
4 11	12 13.80	− 4 12.2	1.789	2.764	6.0	20.9
4 21	12 6.27	− 3 22.6	1.846	2.771	9.9	21.2
5 1	12 0.79	− 2 43.9	1.927	2.778	13.4	21.4

320229 2007 JB_{8} 3 27.8 117°.16 4°.3/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.37	+ 5 6.0	1.477	2.319	16.1	20.8
3 2	12 50.93	+ 5 51.7	1.415	2.329	12.1	20.6
3 12	12 42.80	+ 6 43.0	1.375	2.338	7.8	20.4
3 22	12 32.83	+ 7 32.0	1.360	2.347	4.5	20.2
4 1	12 22.25	+ 8 10.6	1.373	2.356	5.7	20.3
4 11	12 12.43	+ 8 32.2	1.411	2.364	9.8	20.6
4 21	12 4.46	+ 8 33.7	1.474	2.372	13.8	20.8
5 1	11 59.08	+ 8 14.8	1.556	2.380	17.4	21.1

1613 Smiley 3 27.8 70°.93 3°.6/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.31	−13 59.0	1.820	2.599	16.1	15.9
3 2	12 48.88	−14 11.1	1.760	2.627	12.8	15.8
3 12	12 41.26	−14 4.4	1.720	2.655	9.1	15.6
3 22	12 32.20	−13 40.0	1.706	2.682	5.4	15.4
4 1	12 22.72	−13 1.6	1.720	2.710	3.6	15.4
4 11	12 13.92	−12 15.2	1.761	2.737	5.9	15.6
4 21	12 6.67	−11 27.5	1.830	2.764	9.4	15.8
5 1	12 1.58	−10 44.7	1.922	2.791	12.6	16.1

427900 2005 UB_{101} 3 27.8 146°.06 1°.9/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.58	− 0 25.7	2.024	2.850	13.0	22.1
3 2	12 45.96	+ 0 22.3	1.949	2.856	9.7	21.9
3 12	12 39.41	+ 1 19.7	1.899	2.862	6.0	21.6
3 22	12 31.53	+ 2 21.2	1.876	2.867	2.5	21.4
4 1	12 23.18	+ 3 20.4	1.881	2.872	3.2	21.5
4 11	12 15.27	+ 4 11.1	1.915	2.877	6.9	21.7
4 21	12 8.60	+ 4 48.8	1.976	2.881	10.5	21.9
5 1	12 3.77	+ 5 10.7	2.059	2.886	13.6	22.2

140070 2001 SY_{111} 3 27.8 129°.35 0°.5/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.51	− 2 26.2	2.809	3.613	10.4	20.3
3 2	12 45.34	− 2 8.5	2.733	3.627	7.8	20.1
3 12	12 38.76	− 1 43.9	2.682	3.640	4.9	20.0
3 22	12 31.24	− 1 15.3	2.661	3.653	1.7	19.8
4 1	12 23.40	− 0 46.0	2.670	3.665	1.6	19.8
4 11	12 15.92	− 0 19.6	2.709	3.677	4.7	20.0
4 21	12 9.35	+ 0 0.9	2.777	3.689	7.6	20.2
5 1	12 4.16	+ 0 13.1	2.870	3.700	10.1	20.4

496489 2014 TN_{22} 3 27.8 300°.37 0°.5/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.07	− 5 16.6	1.533	2.364	16.2	21.2
3 2	12 45.54	− 4 33.4	1.452	2.359	12.4	20.9
3 12	12 39.52	− 3 32.3	1.392	2.354	7.9	20.6
3 22	12 31.67	− 2 18.6	1.356	2.349	2.8	20.3
4 1	12 23.04	− 1 0.2	1.348	2.344	2.5	20.3
4 11	12 14.87	+ 0 13.5	1.366	2.339	7.6	20.6
4 21	12 8.24	+ 1 14.2	1.408	2.335	12.3	20.8
5 1	12 3.94	+ 1 56.5	1.472	2.330	16.4	21.1

500872 2013 JJ_{53} 3 27.8 254°.51 0°.2/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.48	− 5 39.4	1.788	2.602	14.9	22.2
3 2	12 47.97	− 5 16.7	1.689	2.586	11.5	21.9
3 12	12 41.03	− 4 39.0	1.612	2.569	7.5	21.6
3 22	12 32.25	− 3 49.5	1.561	2.552	2.9	21.3
4 1	12 22.58	− 2 53.7	1.537	2.534	2.0	21.2
4 11	12 13.17	− 1 58.8	1.542	2.516	6.9	21.5
4 21	12 5.09	− 1 11.5	1.573	2.497	11.4	21.7
5 1	11 59.19	− 0 37.5	1.626	2.478	15.4	21.9

48857 1998 FU_{133} 3 27.8 284°.18 0°.5/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 46.59	− 6 17.8	1.885	2.705	14.1	19.3
3 2	12 43.33	− 5 14.5	1.784	2.686	10.8	19.1
3 12	12 37.99	− 3 52.8	1.708	2.668	6.8	18.8
3 22	12 31.09	− 2 17.5	1.657	2.650	2.5	18.5
4 1	12 23.45	− 0 36.1	1.635	2.631	2.3	18.4
4 11	12 16.08	+ 1 2.3	1.642	2.612	6.9	18.7
4 21	12 9.88	+ 2 29.2	1.674	2.594	11.2	18.9
5 1	12 5.57	+ 3 38.2	1.730	2.575	14.9	19.1

334643 2002 WF_{1} 3 27.8 71°.45 0°.2/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.49	− 8 25.6	2.183	2.983	13.1	20.7
3 2	12 44.07	− 7 16.0	2.126	3.016	9.9	20.6
3 12	12 38.02	− 5 52.1	2.095	3.049	6.2	20.4
3 22	12 30.96	− 4 19.1	2.091	3.082	2.4	20.2
4 1	12 23.65	− 2 43.8	2.117	3.114	1.6	20.2
4 11	12 16.89	− 1 13.5	2.174	3.146	5.3	20.5
4 21	12 11.31	+ 0 5.9	2.258	3.177	8.7	20.8
5 1	12 7.37	+ 1 10.3	2.367	3.209	11.6	21.0

241075 2006 TT_{55} 3 27.8 179°.42 5°.3/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.24	+17 12.9	3.073	3.898	9.0	21.0
3 2	12 45.10	+18 8.3	3.007	3.899	7.2	20.9
3 12	12 38.59	+18 59.7	2.967	3.900	5.7	20.8
3 22	12 31.18	+19 42.4	2.955	3.901	5.3	20.7
4 1	12 23.46	+20 12.2	2.973	3.901	6.3	20.8
4 11	12 16.06	+20 26.2	3.018	3.900	8.0	20.9
4 21	12 9.54	+20 23.8	3.089	3.899	9.8	21.0
5 1	12 4.33	+20 5.2	3.182	3.897	11.6	21.2

437276 2012 XZ_{154} 3 27.8 120°.69 5°.7/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.80	+16 47.3	2.719	3.550	9.9	21.5
3 2	12 44.86	+17 51.6	2.667	3.564	7.9	21.3
3 12	12 38.46	+18 51.5	2.642	3.577	6.2	21.3
3 22	12 31.13	+19 41.3	2.644	3.591	5.8	21.2
4 1	12 23.53	+20 16.5	2.674	3.604	6.8	21.3
4 11	12 16.35	+20 34.1	2.732	3.616	8.6	21.5
4 21	12 10.17	+20 33.4	2.815	3.629	10.6	21.6
5 1	12 5.44	+20 15.3	2.918	3.641	12.4	21.8

78482 2002 RR_{54} 3 27.8 133°.91 0°.3/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.62	− 3 46.1	2.255	3.066	12.4	20.0
3 2	12 45.84	− 3 28.2	2.175	3.071	9.4	19.8
3 12	12 39.28	− 3 0.6	2.118	3.076	5.9	19.6
3 22	12 31.50	− 2 26.6	2.090	3.082	2.2	19.4
4 1	12 23.26	− 1 50.4	2.090	3.086	1.8	19.4
4 11	12 15.40	− 1 16.8	2.120	3.091	5.5	19.6
4 21	12 8.66	− 0 49.9	2.177	3.096	9.0	19.8
5 1	12 3.60	− 0 32.9	2.258	3.100	12.0	20.1

335611 2006 EW_{71} 3 27.8 231°.08 0°.7/27.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.44	− 2 49.5	2.170	2.986	12.6	21.2
3 2	12 45.87	− 2 25.1	2.080	2.980	9.6	21.0
3 12	12 39.40	− 1 50.8	2.014	2.974	6.0	20.8
3 22	12 31.58	− 1 10.0	1.975	2.967	2.2	20.5
4 1	12 23.18	− 0 27.7	1.965	2.960	2.1	20.5
4 11	12 15.11	+ 0 11.0	1.984	2.954	6.0	20.7
4 21	12 8.15	+ 0 41.4	2.030	2.946	9.7	20.9
5 1	12 2.93	+ 1 0.1	2.100	2.939	12.9	21.1

465708 2009 UW_{5} 3 27.8 167°.04 3°.4/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.54	+ 6 11.7	2.378	3.204	11.3	22.0
3 2	12 47.16	+ 6 59.4	2.304	3.210	8.5	21.8
3 12	12 40.05	+ 7 50.2	2.255	3.214	5.5	21.6
3 22	12 31.77	+ 8 38.8	2.235	3.218	3.5	21.5
4 1	12 23.08	+ 9 19.9	2.244	3.221	4.5	21.6
4 11	12 14.79	+ 9 49.0	2.283	3.224	7.3	21.8
4 21	12 7.61	+10 3.6	2.348	3.226	10.2	22.0
5 1	12 2.09	+10 2.5	2.436	3.227	12.8	22.1

207655 2007 OE_{8} 3 27.8 243°.23 2°.5/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.42	+ 0 32.9	1.781	2.610	14.4	21.0
3 2	12 48.64	+ 1 20.6	1.687	2.595	10.9	20.8
3 12	12 41.44	+ 2 19.3	1.616	2.579	6.9	20.5
3 22	12 32.42	+ 3 23.4	1.572	2.562	3.0	20.2
4 1	12 22.54	+ 4 25.4	1.555	2.545	4.0	20.3
4 11	12 12.97	+ 5 17.6	1.567	2.527	8.3	20.5
4 21	12 4.76	+ 5 54.1	1.604	2.509	12.5	20.7
5 1	11 58.75	+ 6 11.6	1.663	2.489	16.3	20.9

48034 2001 DM_{53} 3 27.8 319°.92 0°.4/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.24	− 4 45.4	1.376	2.216	17.2	19.0
3 2	12 45.29	− 4 17.8	1.290	2.202	13.2	18.7
3 12	12 39.59	− 3 32.2	1.225	2.189	8.5	18.4
3 22	12 31.79	− 2 33.0	1.183	2.175	3.1	18.1
4 1	12 23.01	− 1 27.9	1.166	2.163	2.6	18.0
4 11	12 14.62	− 0 26.6	1.175	2.151	8.2	18.3
4 21	12 7.86	+ 0 22.5	1.207	2.140	13.3	18.5
5 1	12 3.68	+ 0 53.2	1.259	2.129	17.8	18.8

242490 2004 VU_{57} 3 27.8 117°.73 3°.7/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.09	+ 4 31.2	1.805	2.636	14.1	20.8
3 2	12 50.17	+ 5 27.0	1.748	2.656	10.5	20.6
3 12	12 42.05	+ 6 27.8	1.715	2.676	6.7	20.4
3 22	12 32.52	+ 7 26.7	1.709	2.695	3.9	20.3
4 1	12 22.59	+ 8 16.3	1.733	2.714	5.0	20.4
4 11	12 13.37	+ 8 51.1	1.784	2.731	8.5	20.6
4 21	12 5.72	+ 9 7.9	1.860	2.748	11.9	20.9
5 1	12 0.24	+ 9 6.2	1.958	2.764	14.9	21.1

480660 2015 OV_{35} 3 27.8 314°.73 10°.1/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.57	−32 19.9	2.089	2.758	17.4	20.2
3 2	12 44.39	−33 12.7	1.978	2.738	15.7	20.0
3 12	12 38.88	−33 40.1	1.884	2.717	13.7	19.8
3 22	12 31.52	−33 37.6	1.810	2.697	11.8	19.7
4 1	12 23.20	−33 3.1	1.758	2.677	10.4	19.5
4 11	12 15.02	−31 58.4	1.731	2.658	10.2	19.5
4 21	12 8.08	−30 29.8	1.727	2.639	11.4	19.5
5 1	12 3.25	−28 46.3	1.746	2.620	13.5	19.6

369279 2009 QN_{38} 3 27.8 146°.90 1°.8/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.83	− 0 58.9	1.987	2.813	13.2	21.3
3 2	12 45.47	− 0 6.1	1.911	2.818	9.9	21.1
3 12	12 39.15	+ 0 56.9	1.859	2.822	6.1	20.9
3 22	12 31.49	+ 2 4.9	1.835	2.827	2.5	20.6
4 1	12 23.33	+ 3 10.9	1.839	2.831	3.2	20.7
4 11	12 15.61	+ 4 8.4	1.872	2.835	7.0	20.9
4 21	12 9.13	+ 4 52.4	1.931	2.838	10.6	21.2
5 1	12 4.49	+ 5 19.8	2.013	2.841	13.8	21.4

350298 2012 TM_{312} 3 27.8 140°.30 6°.2/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.51	+19 41.7	2.811	3.635	9.8	21.2
3 2	12 46.12	+20 42.3	2.758	3.646	8.0	21.1
3 12	12 39.26	+21 36.7	2.732	3.657	6.6	21.0
3 22	12 31.46	+22 19.5	2.733	3.667	6.3	21.0
4 1	12 23.38	+22 46.4	2.762	3.676	7.3	21.1
4 11	12 15.72	+22 54.8	2.818	3.686	8.9	21.2
4 21	12 9.09	+22 44.5	2.899	3.695	10.8	21.3
5 1	12 3.92	+22 16.7	3.000	3.703	12.4	21.5

284631 2007 VF_{217} 3 27.8 228°.94 0°.5/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.50	− 6 47.3	2.386	3.188	12.0	21.7
3 2	12 44.27	− 6 25.1	2.293	3.183	9.3	21.5
3 12	12 38.32	− 5 51.0	2.223	3.177	6.0	21.3
3 22	12 31.18	− 5 7.9	2.181	3.171	2.4	21.1
4 1	12 23.53	− 4 19.7	2.168	3.165	1.5	21.0
4 11	12 16.16	− 3 31.5	2.185	3.159	5.1	21.2
4 21	12 9.78	− 2 48.2	2.229	3.153	8.5	21.4
5 1	12 4.95	− 2 13.7	2.298	3.147	11.6	21.6

135427 2001 UZ_{111} 3 27.8 68°.13 0°.5/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.18	− 3 21.7	1.679	2.504	15.3	19.9
3 2	12 47.51	− 3 1.5	1.611	2.516	11.6	19.6
3 12	12 40.55	− 2 29.1	1.566	2.528	7.3	19.4
3 22	12 32.03	− 1 49.1	1.547	2.540	2.6	19.2
4 1	12 22.97	− 1 7.2	1.556	2.552	2.3	19.2
4 11	12 14.51	− 0 30.0	1.591	2.564	6.9	19.5
4 21	12 7.58	− 0 2.8	1.652	2.576	11.0	19.7
5 1	12 2.85	+ 0 11.1	1.736	2.588	14.6	20.0

388363 2006 UW_{34} 3 27.8 132°.40 2°.1/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.16	+ 3 2.0	2.524	3.347	10.8	20.8
3 2	12 45.29	+ 3 30.2	2.449	3.354	8.1	20.6
3 12	12 38.84	+ 4 2.6	2.398	3.360	5.1	20.5
3 22	12 31.34	+ 4 35.5	2.376	3.365	2.4	20.3
4 1	12 23.47	+ 5 4.5	2.384	3.371	3.1	20.3
4 11	12 15.96	+ 5 25.8	2.421	3.376	6.1	20.5
4 21	12 9.45	+ 5 36.7	2.485	3.382	9.0	20.7
5 1	12 4.45	+ 5 35.7	2.573	3.387	11.6	20.9

197953 2004 RN_{85} 3 27.8 290°.75 8°.6/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.05	−25 27.8	1.887	2.607	17.6	20.3
3 2	12 47.23	−26 18.4	1.773	2.582	15.4	20.0
3 12	12 40.82	−26 45.8	1.677	2.557	12.8	19.8
3 22	12 32.32	−26 45.6	1.603	2.532	10.3	19.6
4 1	12 22.63	−26 15.9	1.553	2.506	8.7	19.4
4 11	12 12.99	−25 19.5	1.528	2.481	9.1	19.4
4 21	12 4.62	−24 3.0	1.528	2.455	11.5	19.5
5 1	11 58.53	−22 36.2	1.551	2.430	14.6	19.6

473237 2015 LM_{4} 3 27.8 259°.60 3°.7/31.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.88	−16 2.4	2.372	3.133	13.3	21.0
3 2	12 44.66	−16 11.9	2.275	3.129	10.8	20.8
3 12	12 38.63	−16 5.2	2.201	3.125	8.0	20.6
3 22	12 31.32	−15 42.5	2.152	3.121	5.2	20.5
4 1	12 23.45	−15 6.0	2.131	3.116	3.7	20.4
4 11	12 15.84	−14 20.0	2.138	3.112	5.3	20.4
4 21	12 9.24	−13 29.7	2.173	3.108	8.2	20.6
5 1	12 4.28	−12 40.9	2.233	3.104	11.1	20.8

241074 2006 TG_{45} 3 27.8 244°.32 1°.3/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 48.68	− 0 28.1	2.728	3.543	10.3	21.7
3 2	12 44.23	+ 0 7.4	2.626	3.527	7.8	21.5
3 12	12 38.24	+ 0 50.3	2.550	3.510	4.9	21.3
3 22	12 31.16	+ 1 37.1	2.502	3.494	1.9	21.0
4 1	12 23.59	+ 2 23.5	2.485	3.477	2.4	21.0
4 11	12 16.21	+ 3 4.9	2.497	3.459	5.5	21.2
4 21	12 9.66	+ 3 37.8	2.538	3.441	8.5	21.4
5 1	12 4.47	+ 3 59.5	2.602	3.422	11.3	21.5

129312 Drouetdaubigny 3 27.8 244°.37 1°.7/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.68	+ 2 20.5	2.779	3.593	10.2	20.6
3 2	12 46.42	+ 2 35.2	2.680	3.580	7.7	20.4
3 12	12 39.60	+ 2 54.1	2.607	3.566	4.8	20.2
3 22	12 31.66	+ 3 14.1	2.562	3.553	2.1	19.9
4 1	12 23.24	+ 3 31.7	2.549	3.538	2.6	20.0
4 11	12 15.04	+ 3 43.6	2.565	3.524	5.6	20.1
4 21	12 7.71	+ 3 47.1	2.610	3.509	8.5	20.3
5 1	12 1.78	+ 3 40.7	2.680	3.494	11.1	20.4

506721 2006 UE_{237} 3 27.8 208°.17 0°.9/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.62	− 9 18.6	2.630	3.420	11.4	22.8
3 2	12 42.70	− 8 41.3	2.534	3.417	8.8	22.6
3 12	12 37.27	− 7 50.8	2.464	3.413	5.8	22.4
3 22	12 30.79	− 6 49.8	2.420	3.409	2.6	22.2
4 1	12 23.88	− 5 42.5	2.407	3.404	1.4	22.1
4 11	12 17.23	− 4 34.3	2.424	3.399	4.6	22.3
4 21	12 11.46	− 3 30.2	2.469	3.394	7.8	22.5
5 1	12 7.07	− 2 34.7	2.539	3.389	10.6	22.6

168060 2006 BM_{254} 3 27.8 298°.77 1°.3/26.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.75	− 3 32.5	1.382	2.222	17.1	21.0
3 2	12 46.40	− 2 49.6	1.299	2.212	13.0	20.8
3 12	12 40.28	− 1 49.0	1.237	2.202	8.2	20.5
3 22	12 32.07	− 0 36.3	1.200	2.193	3.0	20.1
4 1	12 22.92	+ 0 39.5	1.188	2.183	3.2	20.1
4 11	12 14.21	+ 1 48.2	1.201	2.174	8.6	20.4
4 21	12 7.19	+ 2 41.2	1.238	2.165	13.7	20.6
5 1	12 2.75	+ 3 13.1	1.295	2.156	18.1	20.9

427482 2001 XH_{134} 3 27.8 92°.18 6°.8/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.96	−25 7.2	1.947	2.666	17.1	21.4
3 2	12 46.56	−25 19.4	1.870	2.683	14.5	21.2
3 12	12 39.96	−25 5.3	1.812	2.699	11.6	21.1
3 22	12 31.83	−24 24.2	1.777	2.714	8.8	20.9
4 1	12 23.15	−23 18.0	1.767	2.730	7.0	20.8
4 11	12 15.00	−21 53.2	1.784	2.745	7.3	20.9
4 21	12 8.29	−20 18.4	1.828	2.761	9.6	21.0
5 1	12 3.68	−18 42.8	1.896	2.775	12.3	21.2

18562 Ellenkey 3 27.8 272°.50 0°.4/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.72	− 3 48.3	2.432	3.244	11.5	18.6
3 2	12 43.66	− 3 23.1	2.337	3.235	8.8	18.4
3 12	12 37.94	− 2 48.2	2.268	3.226	5.5	18.2
3 22	12 31.06	− 2 6.7	2.225	3.217	2.0	17.9
4 1	12 23.68	− 1 22.9	2.212	3.208	1.7	17.9
4 11	12 16.56	− 0 41.5	2.228	3.199	5.3	18.1
4 21	12 10.38	− 0 6.8	2.272	3.190	8.7	18.3
5 1	12 5.70	+ 0 17.8	2.339	3.181	11.7	18.5

247489 2002 NA_{30} 3 27.8 264°.20 5°.9/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.85	−21 33.4	2.240	2.970	14.8	21.1
3 2	12 46.47	−22 2.9	2.131	2.955	12.6	20.9
3 12	12 39.99	−22 12.9	2.043	2.940	10.0	20.7
3 22	12 31.91	−22 1.9	1.979	2.925	7.4	20.6
4 1	12 23.03	−21 30.2	1.941	2.910	6.0	20.4
4 11	12 14.33	−20 41.3	1.931	2.894	6.8	20.4
4 21	12 6.72	−19 41.2	1.948	2.878	9.2	20.6
5 1	12 0.95	−18 37.0	1.990	2.862	12.1	20.7

37246 2000 WH_{180} 3 27.8 226°.24 3°.0/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.74	+ 5 38.3	2.726	3.555	9.9	19.9
3 2	12 43.47	+ 6 28.3	2.640	3.548	7.4	19.7
3 12	12 37.72	+ 7 21.8	2.580	3.540	4.9	19.5
3 22	12 30.96	+ 8 14.5	2.548	3.532	3.0	19.4
4 1	12 23.78	+ 9 1.3	2.546	3.523	4.0	19.4
4 11	12 16.86	+ 9 38.2	2.574	3.515	6.6	19.6
4 21	12 10.80	+10 2.1	2.628	3.506	9.2	19.7
5 1	12 6.09	+10 11.7	2.705	3.496	11.6	19.9

374987 2007 EX_{81} 3 27.8 231°.95 1°.5/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.19	− 0 42.8	2.014	2.838	13.1	21.2
3 2	12 46.59	− 0 10.6	1.927	2.832	9.9	20.9
3 12	12 39.95	+ 0 30.9	1.864	2.826	6.2	20.7
3 22	12 31.85	+ 1 17.4	1.827	2.819	2.4	20.4
4 1	12 23.13	+ 2 3.2	1.819	2.812	2.9	20.4
4 11	12 14.76	+ 2 42.4	1.840	2.805	6.8	20.7
4 21	12 7.61	+ 3 10.4	1.886	2.797	10.6	20.9
5 1	12 2.34	+ 3 24.1	1.956	2.790	13.9	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
100680 1997 XW_{10}			3 27.8 134°.06		1°.1/28.9 18	
	h m	° ′			°	m
2 21	12 51.44	− 9 2.8	2.126	2.920	13.6	20.0
3 2	12 46.57	− 8 37.1	2.048	2.932	10.5	19.9
3 12	12 39.80	− 7 56.8	1.994	2.943	6.9	19.7
3 22	12 31.75	− 7 4.8	1.966	2.954	3.1	19.4
4 1	12 23.23	− 6 5.8	1.968	2.964	1.7	19.3
4 11	12 15.17	− 5 6.2	1.998	2.974	5.4	19.6
4 21	12 8.32	− 4 11.5	2.057	2.984	9.0	19.8
5 1	12 3.28	− 3 26.6	2.140	2.992	12.2	20.1
41150 1999 VE_{146}			3 27.8 61°.26		1°.0/26.8 18	
2 21	12 49.52	− 2 30.9	1.925	2.750	13.6	20.1
3 2	12 45.35	− 1 56.8	1.846	2.751	10.3	19.9
3 12	12 39.15	− 1 11.6	1.790	2.752	6.4	19.7
3 22	12 31.54	− 0 19.8	1.762	2.754	2.3	19.4
4 1	12 23.38	+ 0 32.7	1.761	2.755	2.5	19.4
4 11	12 15.65	+ 1 19.4	1.788	2.757	6.6	19.7
4 21	12 9.17	+ 1 55.5	1.841	2.759	10.4	19.9
5 1	12 4.59	+ 2 17.3	1.917	2.760	13.8	20.1
264612 2001 UR_{195}			3 27.8 186°.34		0°.6/27.2 17	
2 21	12 50.58	− 4 6.9	2.006	2.822	13.5	21.7
3 2	12 46.10	− 3 28.9	1.922	2.822	10.2	21.5
3 12	12 39.61	− 2 38.4	1.862	2.822	6.4	21.3
3 22	12 31.71	− 1 39.7	1.829	2.821	2.3	21.0
4 1	12 23.25	− 0 38.7	1.824	2.820	2.2	21.0
4 11	12 15.18	+ 0 18.2	1.848	2.818	6.3	21.3
4 21	12 8.33	+ 1 5.3	1.899	2.817	10.2	21.5
5 1	12 3.34	+ 1 38.5	1.973	2.814	13.5	21.7
140890 2001 VK_{30}			3 27.8 169°.13		0°.3/27.4 18	
2 21	12 48.41	− 3 48.3	2.913	3.716	10.1	21.0
3 2	12 43.83	− 3 19.5	2.827	3.719	7.6	20.9
3 12	12 37.88	− 2 42.6	2.766	3.723	4.8	20.7
3 22	12 31.01	− 2 0.5	2.734	3.726	1.7	20.5
4 1	12 23.78	− 1 16.9	2.732	3.728	1.5	20.4
4 11	12 16.83	− 0 35.7	2.761	3.730	4.6	20.7
4 21	12 10.70	− 0 0.4	2.818	3.732	7.4	20.8
5 1	12 5.85	+ 0 26.2	2.901	3.733	9.9	21.0
347348 2012 QM_{20}			3 27.8 188°.65		0°.5/28.5 18	
2 21	12 47.39	− 8 54.7	2.496	3.289	11.8	21.2
3 2	12 43.34	− 8 3.0	2.403	3.288	9.1	21.0
3 12	12 37.71	− 6 56.9	2.336	3.287	5.9	20.8
3 22	12 30.98	− 5 39.8	2.296	3.286	2.4	20.6
4 1	12 23.81	− 4 17.0	2.287	3.284	1.4	20.5
4 11	12 16.94	− 2 54.6	2.307	3.281	4.9	20.7
4 21	12 11.01	− 1 38.4	2.357	3.279	8.2	20.9
5 1	12 6.55	− 0 33.3	2.431	3.276	11.2	21.1
426523 2013 RO_{49}			3 27.8 235°.38		2°.1/29.9 17	
2 21	12 50.67	−11 54.5	2.162	2.945	13.7	22.1
3 2	12 46.22	−11 35.6	2.058	2.932	10.9	21.9
3 12	12 39.75	−10 59.5	1.977	2.919	7.5	21.6
3 22	12 31.81	−10 8.0	1.922	2.905	3.9	21.4
4 1	12 23.17	− 9 4.9	1.895	2.890	2.3	21.2
4 11	12 14.77	− 7 56.3	1.898	2.875	5.5	21.4
4 21	12 7.46	− 6 48.9	1.928	2.859	9.2	21.6
5 1	12 1.95	− 5 48.9	1.983	2.843	12.7	21.8
380448 2003 SA_{330}			3 27.8 165°.09		0°.9/28.8 17	
2 21	12 50.35	− 7 46.2	2.295	3.091	12.6	22.2
3 2	12 45.69	− 7 28.8	2.208	3.094	9.7	22.0
3 12	12 39.24	− 6 59.0	2.146	3.097	6.4	21.8
3 22	12 31.56	− 6 19.2	2.111	3.100	2.8	21.6
4 1	12 23.39	− 5 33.4	2.105	3.102	1.5	21.5
4 11	12 15.57	− 4 46.9	2.128	3.104	5.1	21.7
4 21	12 8.84	− 4 4.5	2.179	3.105	8.6	21.9
5 1	12 3.75	− 3 30.5	2.255	3.106	11.7	22.1
422734 2001 RY_{7}			3 27.8 138°.55		1°.9/30.1 15	
2 21	12 52.64	−11 49.6	2.446	3.218	12.6	22.9
3 2	12 47.23	−11 33.3	2.366	3.234	9.9	22.8
3 12	12 40.11	−11 2.8	2.310	3.249	6.8	22.6
3 22	12 31.86	−10 19.8	2.281	3.263	3.5	22.4
4 1	12 23.20	− 9 28.2	2.282	3.277	2.1	22.3
4 11	12 14.96	− 8 33.0	2.314	3.289	4.7	22.5
4 21	12 7.82	− 7 39.3	2.374	3.301	7.9	22.7
5 1	12 2.31	− 6 51.9	2.459	3.312	10.8	22.9
259503 2003 SG_{286}			3 27.8 188°.55		1°.4/29.1 16	
2 21	12 51.86	− 9 44.4	1.856	2.655	15.1	22.1
3 2	12 47.29	− 9 18.1	1.769	2.655	11.8	21.9
3 12	12 40.49	− 8 33.9	1.704	2.654	7.9	21.6
3 22	12 32.09	− 7 34.7	1.665	2.653	3.6	21.4
4 1	12 23.01	− 6 26.0	1.654	2.651	1.9	21.2
4 11	12 14.35	− 5 15.1	1.671	2.648	6.1	21.5
4 21	12 7.03	− 4 9.6	1.716	2.645	10.3	21.7
5 1	12 1.79	− 3 15.4	1.783	2.642	13.9	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
12754 1993 LF_{2}			3 27.8 219°.17		4°.7/22.2 18	
	h m	° ′			°	m
2 21	12 50.38	+ 9 45.3	2.325	3.160	11.2	17.7
3 2	12 45.72	+10 49.6	2.245	3.153	8.6	17.5
3 12	12 39.27	+11 55.4	2.191	3.145	6.0	17.4
3 22	12 31.58	+12 56.7	2.164	3.137	4.7	17.3
4 1	12 23.39	+13 47.1	2.167	3.129	5.9	17.3
4 11	12 15.54	+14 21.7	2.197	3.120	8.5	17.5
4 21	12 8.75	+14 37.9	2.253	3.111	11.3	17.6
5 1	12 3.61	+14 35.1	2.330	3.102	13.8	17.8
36509 2000 QD_{69}			3 27.8 200°.27		1°.5/26.2 18	
2 21	12 50.24	− 1 26.6	2.171	2.991	12.5	19.4
3 2	12 45.72	− 0 39.4	2.084	2.988	9.4	19.2
3 12	12 39.32	+ 0 18.0	2.023	2.984	5.8	19.0
3 22	12 31.62	+ 1 20.8	1.989	2.980	2.3	18.7
4 1	12 23.38	+ 2 23.0	1.984	2.976	2.8	18.7
4 11	12 15.48	+ 3 18.6	2.008	2.971	6.5	19.0
4 21	12 8.70	+ 4 2.5	2.059	2.966	10.0	19.2
5 1	12 3.64	+ 4 31.7	2.134	2.960	13.2	19.4
388355 2006 TX_{117}			3 27.8 338°.28		3°.6/23.4 17	R
2 21	12 45.29	+ 3 43.4	2.093	2.936	12.0	21.0
3 2	12 42.04	+ 5 3.5	2.016	2.932	9.0	20.8
3 12	12 37.01	+ 6 31.0	1.964	2.928	5.8	20.6
3 22	12 30.76	+ 7 59.3	1.940	2.925	3.6	20.4
4 1	12 24.02	+ 9 20.6	1.944	2.922	4.9	20.5
4 11	12 17.63	+10 28.0	1.976	2.919	8.1	20.7
4 21	12 12.31	+11 17.2	2.033	2.917	11.3	20.9
5 1	12 8.64	+11 45.9	2.112	2.914	14.1	21.0
365597 2010 TM_{168}			3 27.8 233°.75		4°.9/ 1.7 17	
2 21	12 52.19	−19 17.0	2.064	2.811	15.5	21.8
3 2	12 47.61	−19 20.6	1.957	2.798	12.9	21.5
3 12	12 40.78	−19 2.5	1.870	2.784	9.8	21.3
3 22	12 32.25	−18 21.8	1.807	2.769	6.7	21.1
4 1	12 22.89	−17 20.6	1.772	2.754	4.9	21.0
4 11	12 13.76	−16 4.3	1.765	2.737	6.4	21.0
4 21	12 5.83	−14 40.6	1.786	2.720	9.6	21.2
5 1	11 59.89	−13 17.9	1.831	2.703	13.0	21.3
27736 Ekaterinburg			3 27.8 46°.08		2°.0/26.2 18	
2 21	12 55.27	+ 2 1.4	1.739	2.569	14.6	17.2
3 2	12 49.48	+ 2 13.0	1.694	2.602	10.9	17.0
3 12	12 41.57	+ 2 30.2	1.673	2.635	6.7	16.8
3 22	12 32.38	+ 2 48.4	1.678	2.669	2.8	16.6
4 1	12 22.94	+ 3 2.6	1.711	2.703	3.3	16.7
4 11	12 14.32	+ 3 8.5	1.772	2.737	7.1	17.1
4 21	12 7.32	+ 3 3.6	1.859	2.771	10.7	17.3
5 1	12 2.48	+ 2 46.9	1.969	2.805	13.8	17.6
424671 2008 RB_{71}			3 27.8 223°.49		2°.0/25.7 17	
2 21	12 48.64	− 0 39.7	1.927	2.758	13.4	21.0
3 2	12 44.72	+ 0 17.0	1.847	2.756	10.0	20.8
3 12	12 38.78	+ 1 24.7	1.790	2.754	6.2	20.5
3 22	12 31.44	+ 2 37.5	1.761	2.752	2.6	20.3
4 1	12 23.53	+ 3 48.4	1.760	2.750	3.5	20.4
4 11	12 16.03	+ 4 50.0	1.787	2.748	7.3	20.6
4 21	12 9.75	+ 5 37.1	1.839	2.746	11.1	20.8
5 1	12 5.34	+ 6 6.4	1.914	2.744	14.3	21.0
246185 2007 RH_{58}			3 27.8 152°.00		6°.4/19.9 17	
2 21	12 52.10	+18 21.5	2.527	3.355	10.6	20.5
3 2	12 46.78	+19 19.2	2.467	3.360	8.6	20.4
3 12	12 39.81	+20 11.3	2.434	3.365	6.9	20.3
3 22	12 31.75	+20 51.7	2.427	3.370	6.5	20.3
4 1	12 23.35	+21 15.7	2.448	3.374	7.5	20.3
4 11	12 15.40	+21 20.3	2.496	3.378	9.4	20.5
4 21	12 8.56	+21 5.1	2.569	3.382	11.5	20.6
5 1	12 3.34	+20 31.4	2.662	3.385	13.4	20.8
372964 2011 BT_{112}			3 27.8 166°.26		3°.0/31.1 17	
2 21	12 51.47	−14 38.7	2.296	3.061	13.6	22.0
3 2	12 46.60	−14 33.9	2.207	3.066	10.9	21.8
3 12	12 39.87	−14 12.3	2.139	3.070	7.8	21.6
3 22	12 31.83	−13 35.1	2.098	3.073	4.7	21.4
4 1	12 23.26	−12 45.2	2.086	3.076	3.1	21.3
4 11	12 15.04	−11 47.9	2.103	3.078	5.2	21.5
4 21	12 7.94	−10 49.0	2.148	3.080	8.4	21.7
5 1	12 2.57	− 9 54.4	2.218	3.082	11.4	21.9
234290 2000 XS_{50}			3 27.8 140°.98		3°.5/31.4 17	
2 21	12 53.09	−15 1.7	2.266	3.027	13.9	20.4
3 2	12 47.83	−15 14.6	2.181	3.036	11.2	20.2
3 12	12 40.65	−15 11.3	2.118	3.044	8.1	20.0
3 22	12 32.12	−14 52.3	2.081	3.053	5.1	19.8
4 1	12 23.06	−14 19.9	2.073	3.060	3.5	19.8
4 11	12 14.38	−13 38.7	2.094	3.068	5.4	19.9
4 21	12 6.88	−12 53.9	2.143	3.075	8.4	20.1
5 1	12 1.17	−12 11.2	2.217	3.081	11.4	20.3

247316 2001 TH_{180} 3 27.8 166°.70 2°.9/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 48.17	−15 39.0	2.648	3.406	12.1	20.5
3 2	12 43.90	−15 29.1	2.555	3.409	9.8	20.3
3 12	12 38.05	−15 3.6	2.485	3.411	7.1	20.2
3 22	12 31.13	−14 23.9	2.442	3.414	4.4	20.0
4 1	12 23.78	−13 32.6	2.427	3.416	2.9	19.9
4 11	12 16.71	−12 34.2	2.442	3.417	4.6	20.0
4 21	12 10.56	−11 34.0	2.486	3.419	7.3	20.2
5 1	12 5.86	−10 37.0	2.555	3.420	10.0	20.4

88826 2001 SM_{160} 3 27.8 171°.57 1°.3/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.45	− 9 50.8	1.709	2.511	16.0	20.6
3 2	12 47.89	− 9 18.2	1.626	2.514	12.5	20.4
3 12	12 40.94	− 8 25.9	1.566	2.517	8.3	20.2
3 22	12 32.29	− 7 17.3	1.530	2.519	3.7	19.9
4 1	12 22.94	− 5 58.9	1.523	2.520	2.0	19.8
4 11	12 14.08	− 4 39.1	1.544	2.521	6.5	20.0
4 21	12 6.71	− 3 26.2	1.591	2.521	10.9	20.3
5 1	12 1.57	− 2 27.0	1.661	2.521	14.7	20.5

431491 2007 TV_{63} 3 27.8 77°.36 2°.5/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.98	+ 3 9.3	2.162	2.991	12.2	21.1
3 2	12 46.09	+ 3 42.9	2.099	3.007	9.1	20.9
3 12	12 39.43	+ 4 21.3	2.061	3.023	5.7	20.7
3 22	12 31.63	+ 4 59.6	2.050	3.039	2.8	20.6
4 1	12 23.47	+ 5 32.9	2.069	3.055	3.6	20.6
4 11	12 15.81	+ 5 56.6	2.116	3.071	6.8	20.9
4 21	12 9.35	+ 6 7.9	2.189	3.087	9.9	21.1
5 1	12 4.62	+ 6 5.5	2.285	3.103	12.7	21.3

242756 2005 WN_{70} 3 27.8 354°.89 1°.6/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.30	− 8 45.2	1.251	2.083	19.1	20.8
3 2	12 47.05	− 8 33.8	1.177	2.081	14.9	20.5
3 12	12 40.80	− 8 0.1	1.122	2.079	9.9	20.2
3 22	12 32.33	− 7 7.2	1.089	2.078	4.4	19.9
4 1	12 22.91	− 6 2.1	1.081	2.078	2.4	19.7
4 11	12 14.08	− 4 54.9	1.097	2.078	7.8	20.0
4 21	12 7.14	− 3 55.5	1.137	2.078	13.1	20.3
5 1	12 3.02	− 3 11.6	1.196	2.079	17.7	20.6

406453 2007 TE_{430} 3 27.8 176°.99 3°.6/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.65	+ 4 2.3	1.813	2.648	13.9	21.5
3 2	12 48.59	+ 4 57.0	1.739	2.649	10.5	21.3
3 12	12 41.28	+ 5 58.4	1.688	2.651	6.7	21.1
3 22	12 32.39	+ 6 59.7	1.665	2.652	3.8	20.9
4 1	12 22.90	+ 7 53.5	1.669	2.652	5.0	21.0
4 11	12 13.92	+ 8 33.1	1.702	2.652	8.6	21.2
4 21	12 6.37	+ 8 54.7	1.759	2.651	12.3	21.4
5 1	12 0.94	+ 8 56.8	1.838	2.650	15.5	21.6

122344 2000 QR_{38} 3 27.8 187°.24 1°.4/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.65	− 8 51.2	2.027	2.824	14.0	20.2
3 2	12 46.96	− 8 41.8	1.939	2.824	10.9	20.0
3 12	12 40.21	− 8 17.9	1.874	2.824	7.3	19.8
3 22	12 32.00	− 7 41.7	1.836	2.823	3.4	19.5
4 1	12 23.17	− 6 57.3	1.826	2.822	1.9	19.4
4 11	12 14.72	− 6 10.3	1.844	2.821	5.6	19.6
4 21	12 7.49	− 5 26.6	1.889	2.819	9.5	19.9
5 1	12 2.17	− 4 51.1	1.959	2.817	12.9	20.1

501036 2013 RA_{71} 3 27.8 136°.74 0°.7/27.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.46	− 3 41.5	2.282	3.093	12.2	22.2
3 2	12 45.70	− 3 1.3	2.207	3.104	9.2	22.0
3 12	12 39.21	− 2 10.8	2.156	3.115	5.8	21.8
3 22	12 31.56	− 1 13.9	2.133	3.125	2.1	21.6
4 1	12 23.51	− 0 16.0	2.140	3.135	2.0	21.6
4 11	12 15.88	+ 0 37.3	2.176	3.144	5.7	21.8
4 21	12 9.35	+ 1 21.6	2.239	3.153	9.0	22.1
5 1	12 4.47	+ 1 53.4	2.327	3.161	12.0	22.3

169378 2001 UR_{182} 3 27.8 86°.06 2°.9/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.53	+ 4 54.6	2.237	3.067	11.8	20.0
3 2	12 46.50	+ 5 23.4	2.168	3.076	8.8	19.8
3 12	12 39.71	+ 5 55.4	2.124	3.086	5.6	19.6
3 22	12 31.75	+ 6 26.2	2.108	3.095	3.1	19.5
4 1	12 23.40	+ 6 50.8	2.121	3.105	3.9	19.6
4 11	12 15.50	+ 7 5.4	2.162	3.114	6.9	19.8
4 21	12 8.77	+ 7 7.4	2.230	3.123	10.0	20.0
5 1	12 3.75	+ 6 56.0	2.321	3.133	12.7	20.2

33733 1999 NU_{32} 3 27.8 232°.82 4°.6/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.68	+10 32.0	2.595	3.431	10.1	18.5
3 2	12 43.53	+11 38.8	2.516	3.424	7.8	18.3
3 12	12 37.83	+12 46.5	2.463	3.416	5.6	18.2
3 22	12 31.06	+13 49.5	2.438	3.408	4.6	18.1
4 1	12 23.87	+14 42.2	2.443	3.400	5.7	18.2
4 11	12 16.96	+15 20.1	2.475	3.392	8.0	18.3
4 21	12 10.96	+15 40.8	2.533	3.383	10.5	18.4
5 1	12 6.39	+15 43.6	2.612	3.374	12.7	18.6

100537 1997 EL_4 3 27.8 160°.37 0°.2/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 47.84	− 4 22.9	2.991	3.792	9.9	20.9
3 2	12 43.39	− 3 54.3	2.906	3.797	7.5	20.8
3 12	12 37.61	− 3 17.6	2.846	3.802	4.7	20.6
3 22	12 30.95	− 2 35.5	2.816	3.807	1.7	20.4
4 1	12 23.96	− 1 51.5	2.815	3.811	1.4	20.3
4 11	12 17.24	− 1 9.5	2.845	3.815	4.4	20.6
4 21	12 11.32	− 0 33.1	2.904	3.819	7.2	20.8
5 1	12 6.63	− 0 4.8	2.988	3.822	9.6	20.9

106148 2000 TH_{51} 3 27.8 192°.02 4°.7/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.23	+ 6 35.9	1.850	2.688	13.5	20.4
3 2	12 48.27	+ 7 47.7	1.775	2.686	10.2	20.1
3 12	12 41.09	+ 9 4.7	1.725	2.685	6.8	19.9
3 22	12 32.33	+10 19.1	1.701	2.682	4.7	19.8
4 1	12 22.97	+11 22.7	1.706	2.679	6.1	19.9
4 11	12 14.07	+12 8.7	1.739	2.676	9.5	20.1
4 21	12 6.56	+12 33.4	1.795	2.671	12.9	20.3
5 1	12 1.14	+12 35.9	1.873	2.666	16.0	20.5

339238 2004 VG_1 3 27.8 268°.65 5°.4/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.05	+10 59.3	2.033	2.868	12.6	20.6
3 2	12 48.89	+11 47.0	1.942	2.849	9.8	20.4
3 12	12 41.51	+12 35.2	1.875	2.829	7.0	20.1
3 22	12 32.53	+13 17.3	1.835	2.808	5.4	20.0
4 1	12 22.80	+13 46.5	1.823	2.788	6.7	20.0
4 11	12 13.38	+13 57.7	1.839	2.767	9.6	20.2
4 21	12 5.21	+13 48.6	1.879	2.745	12.9	20.3
5 1	11 59.02	+13 19.1	1.941	2.724	15.9	20.5

81425 2000 GH_{102} 3 27.8 297°.27 1°.5/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.34	− 9 35.0	1.634	2.448	16.1	19.7
3 2	12 45.08	− 9 11.9	1.537	2.432	12.7	19.4
3 12	12 39.36	− 8 28.5	1.462	2.415	8.5	19.1
3 22	12 31.79	− 7 27.4	1.411	2.399	3.9	18.8
4 1	12 23.31	− 6 14.3	1.386	2.383	2.1	18.6
4 11	12 15.12	− 4 57.5	1.388	2.367	6.8	18.9
4 21	12 8.31	− 3 46.0	1.416	2.352	11.5	19.1
5 1	12 3.75	− 2 47.5	1.465	2.337	15.7	19.3

16826 Daisuke 3 27.8 296°.83 2°.7/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.07	− 0 22.7	1.383	2.231	16.7	17.8
3 2	12 46.72	+ 0 28.3	1.299	2.217	12.7	17.5
3 12	12 40.56	+ 1 34.3	1.236	2.203	8.0	17.2
3 22	12 32.27	+ 2 48.4	1.197	2.189	3.4	16.9
4 1	12 22.98	+ 4 0.9	1.184	2.175	4.5	16.9
4 11	12 14.10	+ 5 1.6	1.196	2.162	9.5	17.2
4 21	12 6.89	+ 5 42.9	1.231	2.149	14.5	17.4
5 1	12 2.27	+ 6 0.7	1.285	2.136	18.8	17.7

84432 2002 TR_{226} 3 27.8 144°.07 0°.5/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.48	− 4 43.3	2.401	3.212	11.7	20.1
3 2	12 43.43	− 3 54.1	2.320	3.217	8.8	20.0
3 12	12 37.78	− 2 53.6	2.264	3.223	5.5	19.8
3 22	12 31.05	− 1 45.9	2.236	3.228	2.0	19.5
4 1	12 23.91	− 0 36.4	2.237	3.233	1.9	19.5
4 11	12 17.12	+ 0 29.1	2.268	3.237	5.4	19.8
4 21	12 11.32	+ 1 25.7	2.327	3.241	8.7	20.0
5 1	12 7.01	+ 2 9.7	2.410	3.246	11.5	20.2

195183 2002 CP_{266} 3 27.8 159°.29 2°.2/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.19	− 0 9.2	1.939	2.770	13.3	20.5
3 2	12 45.10	+ 0 47.2	1.862	2.772	9.9	20.3
3 12	12 39.02	+ 1 53.8	1.809	2.773	6.2	20.1
3 22	12 31.55	+ 3 4.7	1.783	2.775	2.7	19.9
4 1	12 23.56	+ 4 12.9	1.786	2.776	3.5	19.9
4 11	12 15.98	+ 5 11.3	1.817	2.777	7.3	20.1
4 21	12 9.66	+ 5 55.0	1.873	2.778	11.0	20.4
5 1	12 5.19	+ 6 21.1	1.951	2.779	14.2	20.6

434923 2006 TN_{99} 3 27.8 12°.39 7°.0/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.14	+19 42.6	2.298	3.118	11.9	20.7
3 2	12 51.48	+20 12.6	2.231	3.118	9.6	20.5
3 12	12 42.85	+20 34.4	2.188	3.118	7.7	20.4
3 22	12 32.93	+20 42.4	2.173	3.118	7.0	20.4
4 1	12 22.62	+20 31.7	2.187	3.118	7.9	20.4
4 11	12 12.88	+20 0.5	2.227	3.119	10.0	20.6
4 21	12 4.50	+19 9.6	2.293	3.119	12.3	20.7
5 1	11 58.07	+18 1.2	2.381	3.119	14.5	20.9

243596 1998 ST_{79} 3 27.8 252°.67 1°.1/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.55	− 5 44.0	2.202	2.996	13.2	20.3
3 2	12 50.65	− 6 5.6	2.100	2.984	10.3	20.0
3 12	12 42.59	− 6 18.2	2.022	2.972	6.8	19.8
3 22	12 32.95	− 6 22.9	1.971	2.960	3.0	19.5
4 1	12 22.54	− 6 21.9	1.951	2.947	1.8	19.4
4 11	12 12.37	− 6 18.7	1.960	2.934	5.6	19.6
4 21	12 3.35	− 6 16.7	1.997	2.921	9.4	19.9
5 1	11 56.22	− 6 19.5	2.060	2.908	12.7	20.0

72059 Heojun 3 27.8 261°.88 1°.4/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.38	− 0 9.8	1.658	2.484	15.4	19.5
3 2	12 51.13	− 0 2.3	1.565	2.471	11.8	19.3
3 12	12 43.20	+ 0 14.1	1.496	2.457	7.5	19.0
3 22	12 33.24	+ 0 35.4	1.452	2.444	2.8	18.6
4 1	12 22.33	+ 0 56.2	1.435	2.430	3.0	18.6
4 11	12 11.76	+ 1 10.6	1.446	2.415	7.8	18.9
4 21	12 2.72	+ 1 14.1	1.483	2.401	12.4	19.1
5 1	11 56.11	+ 1 3.9	1.542	2.386	16.5	19.3

58534 Logos 3 27.8 64°.54 0°.1/26.8 12 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.31	− 0 34.6	42.615	43.424	0.8	23.1
3 2	12 28.72	− 0 30.4	42.528	43.427	0.6	23.0
3 12	12 28.05	− 0 25.8	42.470	43.430	0.3	23.0
3 22	12 27.35	− 0 21.0	42.440	43.432	0.1	23.0
4 1	12 26.63	− 0 16.3	42.441	43.435	0.1	23.0
4 11	12 25.92	− 0 11.8	42.472	43.438	0.4	23.0
4 21	12 25.25	− 0 7.5	42.531	43.441	0.6	23.0
5 1	12 24.63	− 0 3.8	42.617	43.444	0.8	23.1

153474 2001 RK_{43} 3 27.8 302°.08 6°.6/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.73	+ 8 4.3	1.313	2.165	17.1	19.4
3 2	12 52.63	+ 8 58.2	1.203	2.120	13.5	19.0
3 12	12 44.99	+10 0.4	1.113	2.075	9.4	18.6
3 22	12 34.22	+11 1.6	1.047	2.029	6.6	18.3
4 1	12 21.45	+11 49.6	1.006	1.983	8.5	18.3
4 11	12 8.45	+12 12.9	0.989	1.937	13.6	18.4
4 21	11 57.03	+12 4.8	0.993	1.890	19.1	18.5
5 1	11 48.70	+11 23.7	1.015	1.843	24.2	18.7

285892 2001 QZ_{12} 3 27.8 234°.96 2°.6/25.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.25	− 0 39.2	1.793	2.621	14.3	21.9
3 2	12 47.79	+ 0 33.4	1.699	2.607	10.8	21.6
3 12	12 40.97	+ 2 0.4	1.628	2.592	6.8	21.3
3 22	12 32.38	+ 3 34.9	1.585	2.576	3.0	21.1
4 1	12 22.96	+ 5 8.3	1.570	2.559	4.2	21.1
4 11	12 13.84	+ 6 31.0	1.584	2.541	8.5	21.3
4 21	12 6.04	+ 7 35.9	1.623	2.522	12.7	21.5
5 1	12 0.38	+ 8 18.7	1.683	2.503	16.4	21.7

3341 Hartmann 3 27.8 159°.05 2°.6/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.96	+ 3 55.1	2.867	3.691	9.6	18.0
3 2	12 43.52	+ 4 54.4	2.792	3.698	7.2	17.8
3 12	12 37.72	+ 5 58.1	2.744	3.704	4.6	17.6
3 22	12 31.03	+ 7 1.6	2.725	3.710	2.7	17.5
4 1	12 24.00	+ 8 0.0	2.736	3.715	3.6	17.6
4 11	12 17.28	+ 8 49.1	2.777	3.720	6.0	17.7
4 21	12 11.40	+ 9 25.9	2.845	3.725	8.6	17.9
5 1	12 6.81	+ 9 48.8	2.938	3.729	10.8	18.1

505020 2011 QR_{22} 3 27.8 209°.80 3°.4/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.64	−16 23.8	2.533	3.288	12.7	21.4
3 2	12 44.40	−16 24.2	2.435	3.285	10.3	21.2
3 12	12 38.48	−16 8.5	2.359	3.282	7.6	21.0
3 22	12 31.36	−15 37.4	2.310	3.278	4.9	20.8
4 1	12 23.74	−14 53.1	2.289	3.275	3.4	20.7
4 11	12 16.37	−14 0.1	2.297	3.271	4.9	20.8
4 21	12 9.95	−13 3.4	2.333	3.267	7.7	21.0
5 1	12 5.06	−12 8.7	2.395	3.263	10.5	21.1

389812 2011 UL_{406} 3 27.8 175°.81 0°.6/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.89	− 1 53.4	2.656	3.463	10.8	20.8
3 2	12 45.87	− 1 43.2	2.569	3.464	8.2	20.6
3 12	12 39.29	− 1 26.2	2.507	3.465	5.1	20.4
3 22	12 31.64	− 1 5.1	2.474	3.466	1.9	20.2
4 1	12 23.57	− 0 43.3	2.471	3.466	1.7	20.2
4 11	12 15.80	− 0 24.3	2.497	3.466	5.0	20.4
4 21	12 8.97	− 0 11.1	2.552	3.466	8.1	20.6
5 1	12 3.57	− 0 6.2	2.633	3.466	10.8	20.8

263993 2009 MT_{8} 3 27.8 343°.65 9°.7/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.30	−33 25.3	2.039	2.707	17.9	19.4
3 2	12 42.63	−33 58.4	1.940	2.698	16.0	19.3
3 12	12 37.73	−34 2.8	1.858	2.691	13.9	19.1
3 22	12 31.17	−33 34.9	1.796	2.684	11.8	18.9
4 1	12 23.86	−32 34.0	1.756	2.677	10.2	18.8
4 11	12 16.87	−31 3.6	1.740	2.672	9.8	18.8
4 21	12 11.18	−29 11.5	1.748	2.667	10.8	18.8
5 1	12 7.56	−27 7.9	1.780	2.662	12.8	18.9

172440 2003 QE_{42} 3 27.8 177°.87 0°.6/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.94	− 3 29.7	2.066	2.876	13.4	20.9
3 2	12 48.61	− 2 58.2	1.982	2.878	10.2	20.7
3 12	12 41.23	− 2 15.5	1.922	2.880	6.4	20.5
3 22	12 32.41	− 1 25.6	1.889	2.881	2.3	20.2
4 1	12 23.03	− 0 33.8	1.886	2.881	2.1	20.2
4 11	12 14.05	+ 0 13.8	1.912	2.881	6.2	20.5
4 21	12 6.32	+ 0 52.3	1.965	2.879	10.1	20.7
5 1	12 0.50	+ 1 18.0	2.042	2.877	13.3	20.9

468227 2015 BC_{162} 3 27.8 150°.37 1°.3/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 51.58	− 1 11.3	2.172	2.990	12.5	21.9
3 2	12 46.67	− 0 34.9	2.095	2.997	9.4	21.7
3 12	12 39.91	+ 0 10.3	2.043	3.004	5.9	21.5
3 22	12 31.89	+ 1 0.0	2.018	3.010	2.2	21.3
4 1	12 23.41	+ 1 48.9	2.022	3.015	2.6	21.3
4 11	12 15.35	+ 2 31.3	2.056	3.021	6.2	21.5
4 21	12 8.46	+ 3 3.2	2.116	3.025	9.7	21.8
5 1	12 3.32	+ 3 21.8	2.201	3.030	12.7	22.0

289981 2005 OR_{8} 3 27.8 237°.70 0°.4/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.79	− 5 19.4	1.894	2.711	14.1	21.3
3 2	12 45.75	− 4 34.3	1.803	2.703	10.8	21.0
3 12	12 39.57	− 3 33.8	1.735	2.694	6.9	20.8
3 22	12 31.83	− 2 22.5	1.693	2.685	2.5	20.5
4 1	12 23.42	− 1 6.9	1.680	2.676	2.2	20.4
4 11	12 15.34	+ 0 5.3	1.695	2.667	6.6	20.7
4 21	12 8.50	+ 1 7.1	1.736	2.657	10.8	20.9
5 1	12 3.61	+ 1 53.6	1.801	2.647	14.4	21.1

294224 2007 UK_{18} 3 27.8 222°.05 4°.7/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.23	+ 6 24.5	1.799	2.638	13.8	20.8
3 2	12 48.43	+ 7 32.9	1.718	2.630	10.5	20.5
3 12	12 41.30	+ 8 47.2	1.661	2.622	7.0	20.3
3 22	12 32.49	+ 9 59.6	1.631	2.613	4.7	20.2
4 1	12 22.96	+11 1.8	1.629	2.603	6.2	20.2
4 11	12 13.85	+11 46.4	1.654	2.593	9.7	20.4
4 21	12 6.14	+12 9.5	1.703	2.583	13.3	20.6
5 1	12 0.58	+12 10.0	1.773	2.571	16.6	20.8

435972 2009 DY_{80} 3 27.8 45°.17 1°.9/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.86	− 9 34.8	2.284	3.073	12.9	21.0
3 2	12 46.17	− 9 42.9	2.195	3.073	10.1	20.8
3 12	12 39.64	− 9 38.5	2.129	3.074	6.9	20.6
3 22	12 31.82	− 9 23.1	2.090	3.074	3.5	20.4
4 1	12 23.45	− 8 59.3	2.079	3.074	2.1	20.3
4 11	12 15.41	− 8 31.4	2.098	3.075	5.0	20.5
4 21	12 8.44	− 8 3.9	2.144	3.075	8.4	20.7
5 1	12 3.15	− 7 41.0	2.215	3.076	11.5	20.9

115303 2003 SM_{207} 3 27.8 126°.23 0°.2/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.57	− 6 30.7	1.816	2.626	14.9	20.3
3 2	12 47.73	− 5 53.1	1.744	2.639	11.4	20.1
3 12	12 40.72	− 5 0.2	1.694	2.651	7.3	19.9
3 22	12 32.22	− 3 56.5	1.671	2.663	2.8	19.6
4 1	12 23.21	− 2 48.4	1.677	2.674	1.9	19.6
4 11	12 14.74	− 1 43.5	1.711	2.684	6.3	19.9
4 21	12 7.71	− 0 48.0	1.771	2.695	10.4	20.2
5 1	12 2.75	− 0 6.8	1.855	2.704	13.9	20.4

455198 2000 UK_{83} 3 27.8 109°.18 3°.3/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.45	+ 3 30.0	1.787	2.616	14.3	21.8
3 2	12 50.49	+ 4 21.8	1.731	2.639	10.7	21.6
3 12	12 42.34	+ 5 19.2	1.700	2.661	6.8	21.4
3 22	12 32.78	+ 6 15.8	1.696	2.683	3.6	21.2
4 1	12 22.85	+ 7 4.3	1.720	2.704	4.6	21.3
4 11	12 13.64	+ 7 38.9	1.773	2.725	8.2	21.6
4 21	12 6.02	+ 7 56.7	1.851	2.745	11.7	21.8
5 1	12 0.59	+ 7 56.6	1.952	2.763	14.8	22.1

3421 Yangchenning 3 27.8 87°.43 1°.6/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.89	− 9 32.5	1.394	2.211	18.2	17.2
3 2	12 48.61	− 9 12.9	1.326	2.222	14.2	17.0
3 12	12 41.58	− 8 31.9	1.279	2.233	9.4	16.7
3 22	12 32.61	− 7 33.1	1.255	2.243	4.3	16.4
4 1	12 22.94	− 6 23.6	1.257	2.254	2.3	16.3
4 11	12 13.96	− 5 12.8	1.285	2.264	7.2	16.6
4 21	12 6.81	− 4 9.9	1.338	2.275	12.0	16.9
5 1	12 2.27	− 3 21.7	1.413	2.285	16.1	17.2

298928 2004 TK_{158} 3 27.8 145°.48 0°.3/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.93	− 4 24.5	1.967	2.773	14.1	22.2
3 2	12 50.11	− 3 58.2	1.892	2.785	10.7	22.0
3 12	12 42.15	− 3 20.0	1.841	2.797	6.8	21.8
3 22	12 32.76	− 2 33.7	1.817	2.809	2.5	21.5
4 1	12 22.85	− 1 44.9	1.823	2.819	2.0	21.5
4 11	12 13.46	− 0 59.6	1.857	2.828	6.2	21.8
4 21	12 5.48	− 0 22.8	1.920	2.837	10.1	22.0
5 1	11 59.54	+ 0 1.7	2.005	2.844	13.4	22.3

206135 2002 TA_{2} 3 27.8 226°.22 0°.5/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.18	− 7 4.0	2.518	3.315	11.6	20.9
3 2	12 44.78	− 6 39.5	2.419	3.306	9.0	20.7
3 12	12 38.72	− 6 3.3	2.344	3.296	5.8	20.5
3 22	12 31.48	− 5 18.0	2.297	3.286	2.4	20.3
4 1	12 23.72	− 4 27.5	2.279	3.276	1.4	20.2
4 11	12 16.20	− 3 36.6	2.291	3.266	4.9	20.4
4 21	12 9.60	− 2 50.2	2.332	3.254	8.3	20.6
5 1	12 4.49	− 2 12.3	2.397	3.243	11.3	20.7

192848 1999 VD_{157} 3 27.8 200°.84 1°.6/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 50.76	− 0 8.4	2.277	3.096	12.0	20.5
3 2	12 46.05	+ 0 25.7	2.191	3.094	9.0	20.3
3 12	12 39.55	+ 1 7.6	2.129	3.091	5.6	20.0
3 22	12 31.79	+ 1 53.2	2.096	3.088	2.2	19.8
4 1	12 23.52	+ 2 37.5	2.092	3.084	2.8	19.8
4 11	12 15.58	+ 3 15.4	2.117	3.080	6.2	20.1
4 21	12 8.72	+ 3 42.8	2.169	3.076	9.6	20.3
5 1	12 3.52	+ 3 57.2	2.245	3.071	12.6	20.4

301675 2010 FG_{15} 3 27.8 331°.95 3°.2/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.82	+ 2 39.5	1.276	2.126	17.6	20.9
3 2	12 50.46	+ 2 59.0	1.203	2.121	13.4	20.6
3 12	12 42.99	+ 3 26.9	1.150	2.116	8.5	20.3
3 22	12 33.23	+ 3 56.8	1.120	2.111	3.9	20.0
4 1	12 22.48	+ 4 20.6	1.116	2.107	4.8	20.1
4 11	12 12.36	+ 4 31.2	1.137	2.103	9.8	20.3
4 21	12 4.22	+ 4 24.1	1.180	2.100	14.7	20.6
5 1	11 58.97	+ 3 58.0	1.243	2.097	19.0	20.8

283571 2001 WL_{26} 3 27.8 183°.67 0°.8/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.48	− 2 18.4	2.915	3.722	10.0	21.8
3 2	12 43.94	− 1 44.8	2.826	3.722	7.5	21.7
3 12	12 38.03	− 1 3.8	2.763	3.722	4.7	21.5
3 22	12 31.18	− 0 18.5	2.729	3.721	1.7	21.2
4 1	12 23.97	+ 0 27.3	2.726	3.720	1.8	21.3
4 11	12 17.00	+ 1 9.4	2.753	3.718	4.8	21.5
4 21	12 10.86	+ 1 44.6	2.808	3.716	7.6	21.6
5 1	12 5.98	+ 2 10.1	2.888	3.714	10.1	21.8

286359 2001 XK_{140} 3 27.8 164°.67 4°.7/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.23	+12 24.3	2.740	3.572	9.8	21.1
3 2	12 44.56	+13 23.4	2.672	3.576	7.6	20.9
3 12	12 38.43	+14 21.5	2.631	3.579	5.5	20.8
3 22	12 31.33	+15 13.1	2.618	3.583	4.7	20.8
4 1	12 23.88	+15 53.5	2.634	3.585	5.7	20.8
4 11	12 16.78	+16 19.2	2.678	3.588	7.8	21.0
4 21	12 10.60	+16 28.5	2.748	3.590	10.0	21.1
5 1	12 5.82	+16 21.2	2.840	3.592	12.1	21.3

502202 2015 BE_{73} 3 27.8 63°.08 5°.7/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.25	+ 9 49.6	1.785	2.633	13.5	21.0
3 2	12 46.00	+11 3.5	1.727	2.641	10.3	20.9
3 12	12 39.62	+12 18.4	1.693	2.650	7.2	20.7
3 22	12 31.83	+13 26.1	1.685	2.659	5.7	20.6
4 1	12 23.57	+14 18.7	1.704	2.668	7.1	20.7
4 11	12 15.88	+14 50.6	1.749	2.677	10.1	20.9
4 21	12 9.61	+14 59.6	1.818	2.686	13.2	21.1
5 1	12 5.37	+14 46.2	1.907	2.695	15.9	21.3

216469 1997 CV_{3} 3 27.8 321°.80 2°.5/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.73	− 0 28.5	1.366	2.216	16.7	20.6
3 2	12 45.71	+ 0 16.0	1.284	2.203	12.7	20.3
3 12	12 39.94	+ 1 15.0	1.224	2.191	8.0	20.0
3 22	12 32.10	+ 2 21.7	1.187	2.179	3.3	19.7
4 1	12 23.30	+ 3 26.9	1.175	2.168	4.3	19.7
4 11	12 14.95	+ 4 21.0	1.189	2.157	9.3	20.0
4 21	12 8.24	+ 4 56.6	1.225	2.147	14.2	20.2
5 1	12 4.10	+ 5 9.8	1.281	2.137	18.5	20.4

368197 2000 YZ_{54} 3 27.8 113°.47 2°.9/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.65	−14 58.5	2.436	3.193	13.1	21.2
3 2	12 47.27	−14 52.2	2.362	3.216	10.5	21.1
3 12	12 40.20	−14 29.9	2.311	3.238	7.5	20.9
3 22	12 32.01	−13 53.2	2.286	3.260	4.5	20.8
4 1	12 23.45	−13 5.1	2.292	3.281	2.9	20.7
4 11	12 15.35	−12 10.7	2.327	3.301	4.8	20.8
4 21	12 8.38	−11 15.2	2.390	3.321	7.7	21.0
5 1	12 3.06	−10 23.9	2.479	3.340	10.4	21.3

11412 1999 JE_{19} 3 27.9 152°.79 1°.5/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.02	+ 0 56.8	2.506	3.323	11.1	18.0
3 2	12 46.04	+ 1 19.5	2.426	3.327	8.3	17.8
3 12	12 39.44	+ 1 47.9	2.371	3.332	5.2	17.6
3 22	12 31.74	+ 2 18.4	2.345	3.336	2.1	17.4
4 1	12 23.64	+ 2 46.9	2.348	3.339	2.6	17.5
4 11	12 15.88	+ 3 9.4	2.381	3.343	5.7	17.7
4 21	12 9.13	+ 3 23.1	2.441	3.346	8.8	17.9
5 1	12 3.91	+ 3 25.8	2.526	3.349	11.5	18.0

298849 2004 RX_{214} 3 27.9 126°.16 3°.6/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.53	−17 0.0	1.882	2.646	16.2	21.3
3 2	12 48.46	−16 35.2	1.807	2.664	13.0	21.1
3 12	12 41.19	−15 47.3	1.753	2.681	9.4	20.9
3 22	12 32.43	−14 38.2	1.724	2.697	5.7	20.7
4 1	12 23.17	−13 13.0	1.723	2.713	3.6	20.6
4 11	12 14.48	−11 39.7	1.751	2.728	5.9	20.8
4 21	12 7.26	−10 7.2	1.807	2.742	9.5	21.0
5 1	12 2.14	− 8 43.4	1.887	2.755	12.9	21.2

462910 2010 XH_{80} 3 27.9 194°.62 5°.3/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 49.18	−20 43.0	1.840	2.593	16.9	20.9
3 2	12 45.46	−20 34.7	1.749	2.593	14.0	20.7
3 12	12 39.48	−20 0.3	1.678	2.592	10.7	20.5
3 22	12 31.85	−18 59.8	1.631	2.591	7.4	20.3
4 1	12 23.53	−17 36.6	1.609	2.591	5.3	20.1
4 11	12 15.61	−15 58.1	1.615	2.590	6.6	20.2
4 21	12 9.06	−14 13.8	1.648	2.588	9.8	20.4
5 1	12 4.62	−12 33.6	1.705	2.587	13.3	20.6

388192 2006 DW_{45} 3 27.9 354°.72 1°.1/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.89	− 6 17.3	1.716	2.532	15.4	20.7
3 2	12 47.53	− 6 26.4	1.633	2.530	11.9	20.5
3 12	12 40.80	− 6 22.5	1.573	2.528	7.9	20.3
3 22	12 32.35	− 6 7.6	1.537	2.527	3.4	20.0
4 1	12 23.18	− 5 45.7	1.529	2.526	1.9	19.9
4 11	12 14.43	− 5 22.3	1.548	2.526	6.4	20.1
4 21	12 7.12	− 5 2.5	1.592	2.526	10.7	20.4
5 1	12 2.01	− 4 51.1	1.659	2.526	14.4	20.6

508330 2015 MY_{23} 3 27.9 12°.73 7°.3/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.04	+16 21.0	1.849	2.693	13.3	20.6
3 2	12 47.33	+17 12.6	1.790	2.695	10.5	20.4
3 12	12 40.45	+17 58.5	1.755	2.699	8.2	20.2
3 22	12 32.14	+18 31.3	1.745	2.702	7.3	20.2
4 1	12 23.37	+18 44.5	1.762	2.706	8.5	20.3
4 11	12 15.20	+18 34.8	1.803	2.711	11.0	20.4
4 21	12 8.49	+18 2.0	1.868	2.716	13.7	20.6
5 1	12 3.85	+17 8.3	1.953	2.722	16.2	20.8

159567 2001 US_{64} 3 27.9 209°.61 4°.3/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.68	−17 37.7	1.869	2.631	16.3	20.2
3 2	12 48.13	−17 27.1	1.771	2.625	13.4	20.0
3 12	12 41.21	−16 52.8	1.694	2.618	9.9	19.8
3 22	12 32.53	−15 55.1	1.641	2.611	6.3	19.5
4 1	12 23.04	−14 37.4	1.616	2.603	4.3	19.4
4 11	12 13.89	−13 6.9	1.618	2.594	6.3	19.5
4 21	12 6.10	−11 32.8	1.648	2.585	10.1	19.7
5 1	12 0.48	−10 4.3	1.702	2.575	13.8	19.9

431083 2006 DO_{34} 3 27.9 280°.77 1°.8/25.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.62	− 2 35.9	2.002	2.829	13.1	21.5
3 2	12 43.30	− 1 20.9	1.905	2.813	9.8	21.3
3 12	12 38.02	+ 0 8.9	1.832	2.796	6.1	21.0
3 22	12 31.31	+ 1 47.8	1.787	2.779	2.4	20.7
4 1	12 23.93	+ 3 27.7	1.771	2.762	3.3	20.8
4 11	12 16.81	+ 4 59.9	1.783	2.744	7.3	21.0
4 21	12 10.78	+ 6 17.5	1.821	2.727	11.2	21.2
5 1	12 6.52	+ 7 15.6	1.882	2.710	14.6	21.4

307439 2002 UR_{1} 3 27.9 93°.29 0°.6/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.07	− 6 30.1	1.713	2.526	15.5	20.8
3 2	12 48.26	− 6 15.4	1.642	2.538	11.9	20.6
3 12	12 41.15	− 5 46.0	1.593	2.549	7.7	20.4
3 22	12 32.45	− 5 5.4	1.570	2.560	3.1	20.1
4 1	12 23.18	− 4 19.0	1.574	2.572	1.8	20.1
4 11	12 14.48	− 3 33.7	1.607	2.583	6.4	20.4
4 21	12 7.30	− 2 55.3	1.665	2.594	10.6	20.6
5 1	12 2.31	− 2 28.5	1.746	2.604	14.2	20.9

414085 2007 TG_{156} 3 27.9 264°.25 3°.9/31.4 16 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.64	−16 11.1	1.718	2.497	16.9	21.2
3 2	12 46.91	−15 56.5	1.610	2.477	13.8	20.9
3 12	12 40.65	−15 16.7	1.523	2.457	10.1	20.6
3 22	12 32.40	−14 11.8	1.460	2.436	6.1	20.3
4 1	12 23.12	−12 45.3	1.423	2.414	3.9	20.1
4 11	12 14.05	−11 5.4	1.413	2.392	6.7	20.2
4 21	12 6.33	− 9 22.3	1.430	2.369	11.1	20.4
5 1	12 0.88	− 7 46.6	1.470	2.347	15.3	20.6

209012 2003 BX_{76} 3 27.9 11°.17 1°.2/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.91	+ 0 49.8	2.208	3.025	12.4	19.9
3 2	12 48.46	+ 0 49.3	2.125	3.026	9.3	19.7
3 12	12 41.10	+ 0 54.0	2.066	3.026	5.9	19.4
3 22	12 32.41	+ 1 1.1	2.035	3.027	2.3	19.2
4 1	12 23.20	+ 1 6.8	2.033	3.027	2.4	19.2
4 11	12 14.37	+ 1 7.6	2.061	3.028	6.1	19.4
4 21	12 6.72	+ 1 0.9	2.116	3.029	9.5	19.7
5 1	12 0.86	+ 0 44.7	2.195	3.029	12.6	19.9

95069 2002 AM_{65} 3 27.9 179°.14 5°.0/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.25	+ 7 8.2	1.941	2.786	12.7	19.5
3 2	12 44.44	+ 8 44.7	1.871	2.786	9.6	19.3
3 12	12 38.66	+10 26.5	1.827	2.787	6.5	19.1
3 22	12 31.51	+12 4.9	1.810	2.787	5.0	19.0
4 1	12 23.84	+13 31.3	1.821	2.787	6.6	19.1
4 11	12 16.59	+14 38.4	1.860	2.786	9.6	19.3
4 21	12 10.56	+15 22.2	1.922	2.786	12.7	19.5
5 1	12 6.39	+15 41.9	2.005	2.786	15.5	19.7

283221 2010 PR_{26} 3 27.9 262°.24 1°.4/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 50.03	− 3 30.2	1.653	2.483	15.3	20.9
3 2	12 46.31	− 2 33.3	1.561	2.469	11.6	20.6
3 12	12 40.16	− 1 19.5	1.492	2.455	7.3	20.4
3 22	12 32.18	+ 0 5.4	1.448	2.440	2.7	20.0
4 1	12 23.34	+ 1 33.1	1.432	2.426	3.2	20.0
4 11	12 14.84	+ 2 54.0	1.443	2.411	8.0	20.3
4 21	12 7.73	+ 4 0.0	1.479	2.396	12.5	20.5
5 1	12 2.83	+ 4 45.8	1.536	2.380	16.5	20.7

388705 2007 VM_{64} 3 27.9 118°.46 0°.5/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.62	− 6 59.2	2.718	3.510	11.0	22.8
3 2	12 44.83	− 6 35.0	2.643	3.528	8.4	22.6
3 12	12 38.60	− 6 0.6	2.593	3.545	5.4	22.5
3 22	12 31.43	− 5 18.9	2.572	3.561	2.2	22.3
4 1	12 23.95	− 4 33.4	2.581	3.578	1.3	22.2
4 11	12 16.82	− 3 48.6	2.619	3.593	4.4	22.5
4 21	12 10.63	− 3 8.2	2.687	3.609	7.4	22.7
5 1	12 5.83	− 2 35.6	2.780	3.623	10.0	22.9

18624 Prevert 3 27.9 305°.01 1°.4/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.10	− 3 34.8	2.220	3.043	12.1	18.9
3 2	12 41.87	− 2 14.6	2.133	3.038	9.1	18.7
3 12	12 36.96	− 0 40.9	2.071	3.034	5.6	18.4
3 22	12 30.88	+ 1 0.7	2.037	3.029	2.1	18.2
4 1	12 24.31	+ 2 42.7	2.033	3.025	2.8	18.2
4 11	12 18.05	+ 4 17.5	2.059	3.021	6.4	18.5
4 21	12 12.79	+ 5 38.8	2.111	3.017	9.9	18.7
5 1	12 9.08	+ 6 42.3	2.187	3.013	12.9	18.9

344408 2002 AU_{137} 3 27.9 70°.30 1°.5/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.33	− 9 58.7	2.271	3.063	12.9	21.0
3 2	12 44.18	− 9 41.1	2.196	3.077	10.0	20.8
3 12	12 38.34	− 9 9.7	2.144	3.091	6.7	20.6
3 22	12 31.37	− 8 26.9	2.119	3.105	3.2	20.4
4 1	12 24.00	− 7 36.8	2.122	3.119	1.7	20.3
4 11	12 17.03	− 6 44.7	2.155	3.133	4.9	20.6
4 21	12 11.15	− 5 55.8	2.215	3.146	8.2	20.8
5 1	12 6.87	− 5 14.6	2.300	3.160	11.2	21.0

8826 Corneville 3 27.9 216°.04 0°.1/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.99	− 4 55.0	2.891	3.691	10.2	18.8
3 2	12 43.67	− 4 28.1	2.793	3.684	7.8	18.6
3 12	12 37.94	− 3 52.1	2.721	3.677	5.0	18.4
3 22	12 31.22	− 3 9.9	2.678	3.669	1.9	18.2
4 1	12 24.09	− 2 24.8	2.664	3.661	1.4	18.1
4 11	12 17.17	− 1 41.1	2.681	3.652	4.5	18.3
4 21	12 11.04	− 1 2.5	2.726	3.643	7.5	18.5
5 1	12 6.18	− 0 32.1	2.797	3.634	10.1	18.7

131979 2002 CJ_{64} 3 27.9 78°.84 3°.4/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.00	+ 3 14.6	1.420	2.261	16.7	19.9
3 2	12 51.47	+ 3 50.2	1.366	2.280	12.5	19.7
3 12	12 43.23	+ 4 32.5	1.335	2.299	7.9	19.5
3 22	12 33.23	+ 5 14.5	1.328	2.318	3.9	19.3
4 1	12 22.74	+ 5 48.3	1.348	2.336	4.9	19.4
4 11	12 13.13	+ 6 7.8	1.395	2.355	9.1	19.7
4 21	12 5.46	+ 6 9.7	1.465	2.373	13.3	20.0
5 1	12 0.40	+ 5 53.5	1.557	2.391	16.8	20.2

308103 2004 VM_{60} 3 27.9 173°.99 3°.5/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.12	+ 4 45.0	1.973	2.800	13.3	21.9
3 2	12 50.33	+ 5 33.3	1.898	2.803	10.0	21.7
3 12	12 42.38	+ 6 26.7	1.846	2.806	6.5	21.5
3 22	12 32.92	+ 7 19.2	1.823	2.809	3.7	21.3
4 1	12 22.91	+ 8 4.1	1.829	2.810	4.8	21.4
4 11	12 13.39	+ 8 35.8	1.863	2.811	8.2	21.6
4 21	12 5.25	+ 8 51.0	1.923	2.810	11.7	21.8
5 1	11 59.15	+ 8 48.5	2.006	2.809	14.7	22.0

286777 2002 JV_{68} 3 27.9 333°.30 10°.2/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.12	+13 34.4	1.051	1.932	18.1	19.2
3 2	12 45.34	+14 58.9	0.979	1.908	14.5	18.9
3 12	12 40.18	+16 24.2	0.926	1.885	11.3	18.6
3 22	12 32.35	+17 36.1	0.894	1.864	10.2	18.5
4 1	12 23.25	+18 19.7	0.884	1.844	12.4	18.5
4 11	12 14.66	+18 24.7	0.893	1.826	16.4	18.6
4 21	12 8.17	+17 48.4	0.920	1.810	20.8	18.8
5 1	12 4.86	+16 34.1	0.961	1.796	24.8	19.0

201818 2003 YJ_{19} 3 27.9 128°.92 0°.5/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.10	− 3 30.7	2.203	3.017	12.5	20.9
3 2	12 45.59	− 3 3.6	2.124	3.022	9.5	20.7
3 12	12 39.28	− 2 26.4	2.068	3.027	6.0	20.5
3 22	12 31.75	− 1 42.7	2.040	3.032	2.2	20.2
4 1	12 23.75	− 0 57.4	2.042	3.037	1.9	20.2
4 11	12 16.14	− 0 15.7	2.072	3.042	5.7	20.5
4 21	12 9.65	+ 0 18.0	2.129	3.047	9.2	20.7
5 1	12 4.83	+ 0 40.3	2.210	3.051	12.2	20.9

359895 2011 WU_{58} 3 27.9 294°.12 3°.1/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 50.63	+ 0 48.3	1.405	2.253	16.4	20.5
3 2	12 47.20	+ 1 40.5	1.318	2.236	12.5	20.2
3 12	12 40.95	+ 2 46.4	1.253	2.219	7.9	19.9
3 22	12 32.56	+ 3 58.9	1.212	2.203	3.7	19.6
4 1	12 23.12	+ 5 8.3	1.196	2.186	4.9	19.6
4 11	12 14.05	+ 6 4.6	1.206	2.170	9.8	19.8
4 21	12 6.61	+ 6 40.7	1.239	2.153	14.7	20.1
5 1	12 1.76	+ 6 52.9	1.291	2.137	19.0	20.3

8910 1995 WV_{42} 3 27.9 208°.70 4°.9/20.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.46	+14 12.6	2.999	3.829	9.1	18.8
3 2	12 43.98	+15 20.5	2.923	3.823	7.1	18.7
3 12	12 38.10	+16 27.0	2.874	3.816	5.5	18.5
3 22	12 31.29	+17 26.9	2.853	3.808	4.9	18.5
4 1	12 24.10	+18 15.3	2.862	3.801	5.9	18.6
4 11	12 17.16	+18 48.6	2.898	3.792	7.8	18.7
4 21	12 11.04	+19 5.2	2.960	3.783	9.9	18.8
5 1	12 6.19	+19 4.7	3.045	3.774	11.8	18.9

139877 2001 RO_{83} 3 27.9 193°.35 0°.3/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.22	− 5 34.6	2.579	3.383	11.2	20.6
3 2	12 43.23	− 4 45.9	2.488	3.382	8.5	20.4
3 12	12 37.72	− 3 45.9	2.423	3.380	5.4	20.2
3 22	12 31.17	− 2 38.0	2.386	3.378	2.0	20.0
4 1	12 24.19	− 1 27.3	2.379	3.376	1.6	19.9
4 11	12 17.48	− 0 19.2	2.403	3.373	5.0	20.2
4 21	12 11.67	+ 0 41.3	2.454	3.370	8.2	20.4
5 1	12 7.26	+ 1 30.4	2.530	3.366	11.0	20.5

207164 2005 CY_{47} 3 27.9 9°.28 0°.8/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.90	− 6 44.9	1.387	2.216	17.6	20.3
3 2	12 47.25	− 6 31.7	1.312	2.217	13.6	20.0
3 12	12 40.86	− 6 0.4	1.258	2.218	8.9	19.7
3 22	12 32.48	− 5 14.6	1.228	2.219	3.6	19.4
4 1	12 23.27	− 4 20.7	1.223	2.221	2.1	19.3
4 11	12 14.62	− 3 27.6	1.244	2.223	7.4	19.6
4 21	12 7.72	− 2 43.0	1.289	2.225	12.4	19.9
5 1	12 3.38	− 2 13.0	1.354	2.228	16.6	20.2

316380 2010 TE_{15} 3 27.9 305°.59 3°.3/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.47	−11 33.0	1.594	2.393	17.1	21.3
3 2	12 49.05	−11 54.0	1.508	2.389	13.7	21.1
3 12	12 41.97	−11 56.8	1.442	2.386	9.6	20.8
3 22	12 32.91	−11 41.7	1.401	2.383	5.4	20.6
4 1	12 22.95	−11 11.6	1.386	2.379	3.4	20.4
4 11	12 13.39	−10 32.6	1.397	2.376	6.8	20.6
4 21	12 5.41	− 9 51.9	1.434	2.373	11.1	20.9
5 1	11 59.87	− 9 16.5	1.493	2.370	15.2	21.1

206996 2004 TX_{205} 3 27.9 102°.14 1°.1/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.03	− 9 30.6	1.685	2.487	16.2	21.0
3 2	12 48.94	− 8 52.7	1.622	2.510	12.5	20.8
3 12	12 41.53	− 7 56.2	1.581	2.532	8.2	20.6
3 22	12 32.62	− 6 45.5	1.565	2.554	3.5	20.3
4 1	12 23.24	− 5 27.4	1.578	2.575	1.9	20.3
4 11	12 14.56	− 4 10.6	1.619	2.596	6.3	20.6
4 21	12 7.48	− 3 2.6	1.687	2.616	10.5	20.9
5 1	12 2.63	− 2 9.0	1.778	2.635	14.0	21.2

81562 2000 HN_{30} 3 27.9 286°.27 5°.6/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.03	+ 6 36.2	1.684	2.536	14.0	18.8
3 2	12 44.61	+ 8 24.1	1.615	2.533	10.5	18.6
3 12	12 38.95	+10 19.2	1.570	2.531	7.2	18.4
3 22	12 31.71	+12 11.6	1.551	2.529	5.6	18.3
4 1	12 23.85	+13 50.4	1.560	2.526	7.4	18.4
4 11	12 16.45	+15 6.7	1.595	2.524	10.8	18.6
4 21	12 10.44	+15 55.9	1.653	2.522	14.2	18.8
5 1	12 6.51	+16 16.8	1.731	2.520	17.3	19.0

346184 2007 WX_{55} 3 27.9 20°.05 0°.4/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.33	− 3 55.9	1.917	2.740	13.7	20.8
3 2	12 44.53	− 3 32.4	1.841	2.744	10.4	20.6
3 12	12 38.75	− 2 57.3	1.788	2.748	6.6	20.4
3 22	12 31.60	− 2 14.5	1.761	2.753	2.4	20.1
4 1	12 23.94	− 1 29.3	1.762	2.758	2.0	20.1
4 11	12 16.70	− 0 47.7	1.790	2.764	6.1	20.4
4 21	12 10.70	− 0 14.7	1.845	2.770	10.0	20.6
5 1	12 6.54	+ 0 6.0	1.923	2.776	13.3	20.8

296503 2009 KW 3 27.9 223°.68 4°.1/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.49	+ 5 57.0	1.953	2.787	13.1	20.9
3 2	12 48.51	+ 6 52.7	1.869	2.778	9.9	20.7
3 12	12 41.34	+ 7 53.6	1.809	2.769	6.5	20.5
3 22	12 32.61	+ 8 53.2	1.776	2.759	4.2	20.3
4 1	12 23.21	+ 9 44.2	1.772	2.749	5.4	20.4
4 11	12 14.18	+10 20.4	1.795	2.738	8.8	20.6
4 21	12 6.44	+10 38.1	1.844	2.727	12.3	20.7
5 1	12 0.70	+10 36.2	1.914	2.715	15.4	20.9

133122 2003 OD_{32} 3 27.9 181°.64 3°.6/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 48.08	+ 3 47.5	2.420	3.250	11.0	20.0
3 2	12 43.97	+ 5 32.8	2.341	3.251	8.2	19.8
3 12	12 38.24	+ 7 25.6	2.291	3.251	5.3	19.6
3 22	12 31.39	+ 9 18.8	2.269	3.251	3.6	19.5
4 1	12 24.10	+11 4.6	2.279	3.251	4.9	19.6
4 11	12 17.12	+12 36.0	2.318	3.250	7.7	19.7
4 21	12 11.11	+13 48.5	2.385	3.248	10.6	19.9
5 1	12 6.60	+14 39.9	2.473	3.246	13.1	20.1

207154 2005 CQ_{25} 3 27.9 43°.13 1°.2/26.9 18

2 21	12 50.73	− 3 23.9	1.326	2.168	17.6	20.1
3 2	12 47.06	− 2 44.8	1.264	2.178	13.3	19.9
3 12	12 40.67	− 1 49.6	1.223	2.188	8.3	19.6
3 22	12 32.38	− 0 44.8	1.205	2.198	3.0	19.3
4 1	12 23.43	+ 0 20.8	1.214	2.209	3.0	19.4
4 11	12 15.20	+ 1 17.8	1.247	2.220	8.2	19.7
4 21	12 8.79	+ 1 59.2	1.304	2.232	13.0	20.0
5 1	12 4.94	+ 2 20.9	1.382	2.244	17.0	20.3

408775 1999 CT_{15} 3 27.9 48°.90 16°.1/ 7.6 18

2 21	13 19.54	−34 12.9	1.500	2.139	24.3	19.9
3 2	13 10.30	−37 41.8	1.449	2.172	22.0	19.8
3 12	12 56.37	−40 39.1	1.416	2.205	19.7	19.7
3 22	12 38.61	−42 50.7	1.404	2.239	17.6	19.6
4 1	12 18.93	−44 6.9	1.415	2.274	16.4	19.6
4 11	11 59.97	−44 28.1	1.449	2.308	16.2	19.7
4 21	11 44.04	−44 4.3	1.504	2.343	17.0	19.8
5 1	11 32.59	−43 11.6	1.579	2.377	18.3	20.0

281092 2006 TE_{120} 3 27.9 298°.40 1°.6/25.9 17

2 21	12 45.85	− 2 20.7	2.154	2.980	12.3	20.5
3 2	12 42.54	− 1 16.1	2.065	2.972	9.3	20.3
3 12	12 37.46	+ 0 0.6	2.000	2.963	5.8	20.0
3 22	12 31.13	+ 1 24.2	1.963	2.955	2.2	19.8
4 1	12 24.27	+ 2 48.0	1.955	2.947	2.9	19.8
4 11	12 17.71	+ 4 4.7	1.976	2.939	6.6	20.0
4 21	12 12.17	+ 5 8.6	2.023	2.931	10.1	20.2
5 1	12 8.25	+ 5 55.7	2.093	2.923	13.2	20.4

472903 2015 FU_{340} 3 27.9 351°.80 5°.0/ 2.2 17

2 21	12 47.37	−19 11.3	2.009	2.767	15.5	20.9
3 2	12 43.95	−19 20.0	1.918	2.765	12.8	20.7
3 12	12 38.49	−19 7.3	1.847	2.763	9.8	20.5
3 22	12 31.55	−18 33.0	1.800	2.761	6.8	20.3
4 1	12 23.97	−17 39.5	1.779	2.760	5.0	20.2
4 11	12 16.73	−16 32.3	1.785	2.759	6.2	20.2
4 21	12 10.68	−15 18.7	1.818	2.758	9.1	20.4
5 1	12 6.51	−14 6.4	1.875	2.758	12.3	20.6

476527 2008 GY_{104} 3 27.9 222°.64 4°.0/22.4 17

2 21	12 49.80	+11 33.8	2.967	3.794	9.3	21.3
3 2	12 44.98	+12 13.5	2.885	3.787	7.1	21.1
3 12	12 38.75	+12 52.5	2.830	3.780	5.1	21.0
3 22	12 31.56	+13 26.4	2.803	3.773	4.0	20.9
4 1	12 24.01	+13 51.1	2.806	3.765	4.9	20.9
4 11	12 16.72	+14 3.6	2.838	3.758	7.0	21.1
4 21	12 10.27	+14 2.4	2.896	3.750	9.2	21.2
5 1	12 5.12	+13 47.0	2.978	3.741	11.3	21.3

55076 2001 QQ_{96} 3 27.9 112°.84 0°.3/28.3 18

2 21	12 49.42	− 8 49.7	1.958	2.761	14.2	18.8
3 2	12 45.26	− 7 46.9	1.884	2.775	10.9	18.6
3 12	12 39.15	− 6 26.7	1.835	2.789	7.0	18.4
3 22	12 31.75	− 4 54.0	1.812	2.802	2.8	18.1
4 1	12 23.90	− 3 16.1	1.818	2.815	1.7	18.1
4 11	12 16.53	− 1 41.4	1.854	2.828	5.9	18.4
4 21	12 10.44	− 0 17.3	1.917	2.840	9.7	18.6
5 1	12 6.19	+ 0 50.9	2.003	2.852	13.1	18.8

34022 2000 OY_{23} 3 27.9 218°.98 0°.7/26.9 18

2 21	12 48.50	− 2 28.8	3.058	3.862	9.6	20.2
3 2	12 44.01	− 1 54.2	2.957	3.852	7.2	20.0
3 12	12 38.16	− 1 12.1	2.883	3.841	4.5	19.8
3 22	12 31.36	− 0 25.4	2.838	3.829	1.7	19.6
4 1	12 24.15	+ 0 22.3	2.823	3.817	1.7	19.6
4 11	12 17.13	+ 1 6.8	2.839	3.805	4.7	19.8
4 21	12 10.85	+ 1 44.8	2.884	3.791	7.5	19.9
5 1	12 5.78	+ 2 13.6	2.954	3.778	10.0	20.1

502574 2015 BP_{503} 3 27.9 228°.56 0°.2/28.0 17

2 21	12 50.14	− 6 5.0	2.045	2.855	13.5	21.9
3 2	12 45.90	− 5 35.4	1.954	2.849	10.4	21.7
3 12	12 39.66	− 4 52.1	1.887	2.843	6.7	21.5
3 22	12 31.99	− 3 58.7	1.846	2.837	2.6	21.2
4 1	12 23.70	− 3 0.2	1.834	2.831	1.7	21.1
4 11	12 15.73	− 2 3.2	1.850	2.824	5.9	21.4
4 21	12 8.93	− 1 13.3	1.893	2.817	9.8	21.6
5 1	12 3.95	− 0 35.3	1.960	2.810	13.2	21.8

299254 2005 NU_{7} 3 27.9 147°.91 4°.0/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 49.33	−20 13.7	3.024	3.745	11.5	21.4
3 2	12 44.67	−20 20.6	2.932	3.754	9.6	21.2
3 12	12 38.58	−20 12.2	2.862	3.762	7.4	21.1
3 22	12 31.52	−19 48.8	2.819	3.770	5.2	21.0
4 1	12 24.06	−19 12.1	2.804	3.777	4.0	20.9
4 11	12 16.86	−18 25.5	2.819	3.784	4.7	20.9
4 21	12 10.51	−17 33.1	2.862	3.790	6.7	21.1
5 1	12 5.48	−16 39.8	2.932	3.797	8.9	21.2

146918 2002 CT_{225} 3 27.9 242°.46 6°.3/ 4.9 18 R

2 21	12 49.17	−26 26.2	2.683	3.371	13.6	20.1
3 2	12 44.95	−26 52.5	2.577	3.364	11.7	19.9
3 12	12 38.98	−26 59.7	2.492	3.357	9.7	19.7
3 22	12 31.73	−26 46.1	2.431	3.350	7.7	19.6
4 1	12 23.88	−26 12.3	2.395	3.342	6.5	19.5
4 11	12 16.24	−25 21.0	2.387	3.335	6.6	19.5
4 21	12 9.54	−24 17.4	2.406	3.327	8.2	19.6
5 1	12 4.39	−23 7.5	2.451	3.319	10.3	19.7

238748 2005 GD_{164} 3 27.9 240°.03 2°.0/25.8 18

2 21	12 51.71	+ 2 11.6	2.330	3.152	11.6	20.7
3 2	12 46.81	+ 2 34.8	2.240	3.145	8.8	20.5
3 12	12 40.11	+ 3 3.4	2.176	3.137	5.5	20.3
3 22	12 32.14	+ 3 33.5	2.140	3.130	2.5	20.1
4 1	12 23.63	+ 4 0.7	2.133	3.122	3.1	20.1
4 11	12 15.43	+ 4 20.5	2.155	3.115	6.4	20.3
4 21	12 8.28	+ 4 29.9	2.204	3.107	9.7	20.5
5 1	12 2.77	+ 4 26.9	2.277	3.098	12.6	20.7

438641 2008 CF_{58} 3 27.9 43°.55 0°.1/27.9 17

2 21	12 46.96	− 5 49.9	2.129	2.943	12.9	21.2
3 2	12 43.29	− 5 13.7	2.054	2.952	9.8	21.1
3 12	12 37.88	− 4 25.1	2.002	2.960	6.2	20.8
3 22	12 31.28	− 3 27.8	1.977	2.969	2.3	20.6
4 1	12 24.25	− 2 27.1	1.981	2.978	1.6	20.6
4 11	12 17.61	− 1 29.3	2.013	2.987	5.5	20.8
4 21	12 12.08	− 0 39.5	2.072	2.997	9.1	21.1
5 1	12 8.20	− 0 1.7	2.155	3.006	12.2	21.3

158734 2003 OP_{12} 3 27.9 285°.59 7°.8/ 5.0 17

2 21	12 48.99	−27 3.5	2.034	2.741	16.8	20.2
3 2	12 45.53	−27 23.6	1.917	2.717	14.7	20.0
3 12	12 39.74	−27 17.6	1.818	2.693	12.2	19.8
3 22	12 32.13	−26 42.6	1.741	2.669	9.7	19.6
4 1	12 23.57	−25 37.8	1.689	2.644	8.0	19.4
4 11	12 15.14	−24 7.5	1.663	2.619	8.2	19.4
4 21	12 7.91	−22 19.5	1.663	2.595	10.4	19.4
5 1	12 2.74	−20 24.1	1.687	2.570	13.4	19.6

276981 2004 WK 3 27.9 82°.13 5°.5/22.6 18

2 21	12 53.84	+11 7.9	1.935	2.774	13.0	20.4
3 2	12 48.45	+12 5.7	1.887	2.795	9.9	20.3
3 12	12 41.07	+13 2.1	1.863	2.816	7.0	20.1
3 22	12 32.44	+13 49.9	1.866	2.837	5.5	20.1
4 1	12 23.49	+14 22.9	1.897	2.858	6.7	20.2
4 11	12 15.21	+14 37.2	1.954	2.879	9.3	20.4
4 21	12 8.36	+14 31.6	2.037	2.900	12.2	20.6
5 1	12 3.50	+14 7.1	2.140	2.920	14.7	20.8

404465 2013 GK_{123} 3 27.9 37°.58 1°.4/26.7 18

2 21	12 49.19	− 4 7.1	1.364	2.205	17.2	21.0
3 2	12 45.90	− 3 9.3	1.296	2.210	13.1	20.7
3 12	12 39.97	− 1 53.1	1.250	2.215	8.2	20.5
3 22	12 32.16	− 0 25.8	1.227	2.220	3.0	20.2
4 1	12 23.64	+ 1 2.8	1.231	2.225	3.2	20.2
4 11	12 15.75	+ 2 21.8	1.260	2.231	8.4	20.5
4 21	12 9.57	+ 3 23.0	1.312	2.237	13.2	20.8
5 1	12 5.88	+ 4 1.5	1.386	2.244	17.2	21.1

522838 2016 NE_{84} 3 27.9 300°.68 4°.8/ 2.0 17

2 21	12 49.39	−18 54.0	2.277	3.025	14.2	21.4
3 2	12 45.30	−19 15.9	2.178	3.018	11.8	21.2
3 12	12 39.29	−19 19.8	2.101	3.012	9.1	21.0
3 22	12 31.87	−19 5.1	2.048	3.006	6.4	20.8
4 1	12 23.81	−18 33.2	2.022	2.999	4.9	20.7
4 11	12 15.99	−17 48.0	2.024	2.993	5.9	20.8
4 21	12 9.23	−16 55.3	2.053	2.987	8.6	20.9
5 1	12 4.19	−16 1.2	2.107	2.982	11.4	21.1

228272 1999 TM_{313} 3 27.9 106°.38 0°.7/28.6 18

2 21	12 52.12	− 7 0.6	2.168	2.967	13.2	21.9
3 2	12 47.09	− 6 42.0	2.097	2.985	10.1	21.7
3 12	12 40.23	− 6 11.0	2.049	3.001	6.5	21.5
3 22	12 32.15	− 5 30.8	2.029	3.018	2.7	21.3
4 1	12 23.67	− 4 45.8	2.037	3.034	1.5	21.3
4 11	12 15.66	− 4 1.4	2.075	3.050	5.3	21.5
4 21	12 8.86	− 3 22.3	2.141	3.066	8.8	21.8
5 1	12 3.82	− 2 52.4	2.231	3.081	11.8	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
370108 2001 TU_{179}			3 27.9 203°.73	0°.7/28.6 17		
	h m	° ′			°	m
2 21	12 52.14	− 7 19.7	2.255	3.051	12.8	22.6
3 2	12 47.24	− 6 58.3	2.160	3.046	9.9	22.4
3 12	12 40.44	− 6 24.0	2.089	3.041	6.5	22.2
3 22	12 32.29	− 5 39.5	2.046	3.035	2.7	22.0
4 1	12 23.54	− 4 48.9	2.032	3.029	1.5	21.8
4 11	12 15.09	− 3 57.7	2.047	3.022	5.4	22.1
4 21	12 7.73	− 3 11.4	2.090	3.014	9.0	22.3
5 1	12 2.09	− 2 34.2	2.158	3.006	12.3	22.5
500687 2012 VO_{88}			3 27.9 149°.76	2°.0/30.5 17		
2 21	12 47.45	−12 45.0	2.506	3.283	12.3	21.8
3 2	12 43.50	−12 20.9	2.416	3.286	9.7	21.6
3 12	12 37.96	−11 41.7	2.350	3.289	6.7	21.4
3 22	12 31.32	−10 49.4	2.311	3.292	3.6	21.3
4 1	12 24.26	− 9 47.8	2.301	3.295	2.1	21.1
4 11	12 17.49	− 8 42.0	2.320	3.298	4.6	21.3
4 21	12 11.68	− 7 37.6	2.368	3.301	7.7	21.5
5 1	12 7.34	− 6 39.6	2.441	3.303	10.5	21.7
34266 Schweinfurth			3 27.9 13°.46	7°.4/ 2.5 18		
2 21	12 53.85	−20 15.4	1.498	2.263	19.6	18.6
3 2	12 49.66	−21 4.7	1.416	2.263	16.5	18.4
3 12	12 42.56	−21 28.6	1.351	2.264	12.9	18.2
3 22	12 33.23	−21 24.2	1.309	2.264	9.4	18.0
4 1	12 22.87	−20 51.6	1.290	2.265	7.4	17.9
4 11	12 12.96	−19 56.6	1.297	2.265	8.6	17.9
4 21	12 4.80	−18 48.3	1.327	2.266	11.9	18.1
5 1	11 59.36	−17 37.5	1.380	2.267	15.5	18.3
170088 2002 XV_{17}			3 27.9 116°.23	0°.1/27.9 17		
2 21	12 49.29	− 5 6.8	2.341	3.148	12.1	21.2
3 2	12 44.90	− 4 39.6	2.262	3.156	9.2	21.0
3 12	12 38.84	− 4 1.7	2.208	3.164	5.8	20.8
3 22	12 31.65	− 3 16.6	2.181	3.172	2.2	20.6
4 1	12 24.04	− 2 28.6	2.183	3.180	1.6	20.5
4 11	12 16.80	− 1 42.8	2.215	3.187	5.2	20.8
4 21	12 10.60	− 1 3.7	2.274	3.195	8.6	21.0
5 1	12 5.98	− 0 34.7	2.357	3.202	11.5	21.2
456341 2006 TD_{14}			3 27.9 246°.04	2°.2/29.9 17		
2 21	12 52.95	−10 53.1	1.953	2.742	14.8	21.7
3 2	12 48.32	−10 46.9	1.849	2.727	11.7	21.4
3 12	12 41.40	−10 23.7	1.767	2.711	8.1	21.2
3 22	12 32.74	− 9 44.9	1.710	2.694	4.2	20.9
4 1	12 23.22	− 8 54.0	1.682	2.677	2.4	20.7
4 11	12 13.91	− 7 57.1	1.682	2.660	6.0	20.9
4 21	12 5.83	− 7 1.0	1.709	2.642	10.1	21.1
5 1	11 59.76	− 6 12.3	1.760	2.623	13.9	21.3
220592 2004 LY_{14}			3 27.9 233°.32	1°.9/25.8 18		
2 21	12 50.44	− 0 34.3	2.064	2.888	12.8	21.1
3 2	12 46.13	+ 0 18.4	1.972	2.878	9.7	20.9
3 12	12 39.83	+ 1 21.8	1.905	2.868	6.1	20.7
3 22	12 32.09	+ 2 30.6	1.866	2.857	2.5	20.4
4 1	12 23.71	+ 3 38.2	1.855	2.845	3.3	20.4
4 11	12 15.64	+ 4 37.9	1.873	2.834	7.1	20.6
4 21	12 8.71	+ 5 24.3	1.917	2.822	10.8	20.8
5 1	12 3.58	+ 5 54.0	1.984	2.809	14.1	21.0
354339 2003 EZ_{38}			3 27.9 334°.14	0°.9/27.3 14 C		
2 21	12 53.39	− 2 16.7	1.262	2.105	18.2	21.7
3 2	12 49.51	− 2 9.3	1.186	2.099	14.0	21.4
3 12	12 42.53	− 1 48.0	1.129	2.094	8.9	21.1
3 22	12 33.24	− 1 17.6	1.096	2.089	3.3	20.7
4 1	12 22.90	− 0 44.7	1.088	2.084	2.9	20.7
4 11	12 13.13	− 0 17.6	1.105	2.080	8.6	21.0
4 21	12 5.28	− 0 2.6	1.144	2.077	13.9	21.3
5 1	12 0.31	− 0 4.0	1.203	2.074	18.5	21.5
169944 2002 TO_{45}			3 27.9 220°.32	2°.0/25.7 18		
2 21	12 52.12	+ 2 32.4	2.592	3.408	10.8	20.4
3 2	12 46.96	+ 2 58.0	2.499	3.400	8.1	20.2
3 12	12 40.14	+ 3 28.3	2.431	3.391	5.1	20.0
3 22	12 32.16	+ 3 59.9	2.393	3.382	2.4	19.8
4 1	12 23.68	+ 4 28.4	2.384	3.372	3.0	19.8
4 11	12 15.47	+ 4 49.9	2.405	3.362	6.0	20.0
4 21	12 8.20	+ 5 1.6	2.454	3.352	9.0	20.2
5 1	12 2.43	+ 5 1.6	2.528	3.341	11.8	20.3
33582 Tiashajoardar			3 27.9 311°.28	5°.4/23.8 18		
2 21	12 53.69	+ 7 5.0	1.411	2.263	16.2	18.5
3 2	12 49.38	+ 7 57.7	1.339	2.257	12.3	18.2
3 12	12 42.24	+ 8 55.3	1.290	2.252	8.3	18.0
3 22	12 33.07	+ 9 49.0	1.264	2.247	5.5	17.8
4 1	12 23.06	+10 29.6	1.265	2.243	6.9	17.9
4 11	12 13.64	+10 49.5	1.290	2.238	10.9	18.1
4 21	12 6.01	+10 45.7	1.338	2.234	15.1	18.3
5 1	12 1.00	+10 17.9	1.405	2.230	18.8	18.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
430183 2013 TD_{107}			3 27.9 175°.63	0°.5/28.4 17		
	h m	° ′			°	m
2 21	12 48.82	− 7 48.5	1.978	2.786	14.0	21.4
3 2	12 44.93	− 7 11.0	1.893	2.786	10.7	21.2
3 12	12 39.06	− 6 17.9	1.832	2.786	7.0	21.0
3 22	12 31.79	− 5 12.7	1.796	2.787	2.8	20.7
4 1	12 23.96	− 4 1.2	1.790	2.787	1.6	20.6
4 11	12 16.51	− 2 50.6	1.811	2.787	5.8	20.9
4 21	12 10.25	− 1 47.5	1.859	2.787	9.8	21.1
5 1	12 5.84	− 0 57.0	1.931	2.787	13.2	21.3
267378 2001 XD_{217}			3 27.9 64°.55	7°.3/ 4.6 18		
2 21	12 51.71	−24 51.6	1.737	2.467	18.5	20.3
3 2	12 47.44	−25 13.3	1.670	2.489	15.7	20.2
3 12	12 40.76	−25 6.8	1.621	2.511	12.6	20.0
3 22	12 32.43	−24 31.1	1.594	2.533	9.5	19.9
4 1	12 23.54	−23 28.5	1.592	2.556	7.5	19.8
4 11	12 15.29	−22 6.0	1.616	2.578	7.8	19.9
4 21	12 8.65	−20 33.0	1.665	2.600	10.1	20.0
5 1	12 4.29	−18 59.6	1.738	2.622	13.0	20.3
34153 Deeannguo			3 27.9 115°.92	0°.8/26.9 18		
2 21	12 48.62	− 2 41.4	2.676	3.486	10.7	20.1
3 2	12 44.15	− 2 4.9	2.603	3.500	8.0	20.0
3 12	12 38.25	− 1 20.5	2.556	3.515	5.0	19.8
3 22	12 31.41	− 0 31.6	2.537	3.529	1.8	19.6
4 1	12 24.26	+ 0 17.4	2.548	3.542	1.8	19.6
4 11	12 17.45	+ 1 2.2	2.589	3.556	5.0	19.8
4 21	12 11.56	+ 1 39.1	2.658	3.569	7.9	20.0
5 1	12 7.05	+ 2 5.5	2.751	3.581	10.4	20.2
340517 2006 JH_{23}			3 27.9 274°.34	0°.5/27.4 17		
2 21	12 50.13	− 3 28.8	2.107	2.923	12.9	22.1
3 2	12 45.93	− 3 4.2	2.008	2.907	9.9	21.9
3 12	12 39.74	− 2 28.6	1.932	2.891	6.3	21.6
3 22	12 32.08	− 1 45.2	1.883	2.875	2.3	21.3
4 1	12 23.73	− 0 59.0	1.862	2.858	2.0	21.3
4 11	12 15.62	− 0 15.7	1.870	2.841	6.1	21.5
4 21	12 8.59	+ 0 19.6	1.905	2.825	10.0	21.7
5 1	12 3.33	+ 0 42.9	1.963	2.808	13.4	21.9
501634 2014 SH_{213}			3 27.9 187°.47	7°.2/19.9 17		
2 21	12 56.25	+17 52.4	2.219	3.045	12.0	22.7
3 2	12 50.31	+19 6.0	2.153	3.045	9.7	22.5
3 12	12 42.34	+20 14.4	2.112	3.044	7.8	22.4
3 22	12 33.00	+21 10.1	2.099	3.042	7.3	22.4
4 1	12 23.15	+21 46.6	2.113	3.039	8.5	22.4
4 11	12 13.79	+21 59.9	2.154	3.036	10.7	22.6
4 21	12 5.74	+21 49.5	2.219	3.031	13.1	22.7
5 1	11 59.61	+21 17.0	2.305	3.026	15.3	22.9
462177 2007 TQ_{356}			3 27.9 158°.36	1°.4/26.5 18		
2 21	12 53.10	− 2 36.1	1.968	2.784	13.7	22.5
3 2	12 48.08	− 1 42.7	1.891	2.792	10.3	22.3
3 12	12 41.00	− 0 37.4	1.839	2.799	6.4	22.0
3 22	12 32.51	+ 0 34.5	1.814	2.805	2.4	21.8
4 1	12 23.49	+ 1 46.0	1.818	2.811	2.8	21.8
4 11	12 14.94	+ 2 50.1	1.851	2.816	6.8	22.1
4 21	12 7.70	+ 3 41.4	1.911	2.820	10.6	22.3
5 1	12 2.40	+ 4 16.2	1.994	2.823	13.9	22.5
465967 2011 BP_{161}			3 27.9 18°.69	4°.3/25.2 18		
2 21	12 57.12	+ 7 30.5	1.474	2.318	16.0	20.0
3 2	12 51.72	+ 7 38.3	1.409	2.322	12.2	19.8
3 12	12 43.57	+ 7 46.9	1.365	2.327	8.0	19.6
3 22	12 33.52	+ 7 50.3	1.346	2.332	4.6	19.4
4 1	12 22.82	+ 7 42.6	1.354	2.338	5.6	19.5
4 11	12 12.85	+ 7 19.9	1.388	2.345	9.5	19.7
4 21	12 4.73	+ 6 41.0	1.446	2.352	13.5	19.9
5 1	11 59.23	+ 5 46.7	1.525	2.360	17.1	20.2
343448 2010 EK_{32}			3 27.9 290°.34	0°.3/28.2 17		
2 21	12 49.42	− 6 0.6	2.041	2.852	13.5	20.9
3 2	12 45.37	− 5 40.9	1.952	2.847	10.3	20.7
3 12	12 39.35	− 5 8.4	1.886	2.842	6.7	20.4
3 22	12 31.92	− 4 26.1	1.846	2.837	2.7	20.2
4 1	12 23.89	− 3 38.7	1.834	2.831	1.6	20.1
4 11	12 16.17	− 2 52.0	1.851	2.826	5.8	20.4
4 21	12 9.61	− 2 11.6	1.894	2.821	9.6	20.6
5 1	12 4.85	− 1 41.7	1.961	2.816	13.0	20.8
460100 2014 PH_5			3 27.9 171°.91	2°.0/29.5 18		
2 21	12 54.30	− 9 31.3	1.561	2.368	17.1	21.6
3 2	12 49.66	− 9 29.0	1.480	2.370	13.4	21.4
3 12	12 42.36	− 9 8.2	1.420	2.371	9.1	21.1
3 22	12 33.12	− 8 31.0	1.385	2.371	4.4	20.9
4 1	12 23.06	− 7 42.1	1.376	2.372	2.4	20.7
4 11	12 13.48	− 6 49.2	1.394	2.372	6.8	21.0
4 21	12 5.55	− 5 59.8	1.437	2.372	11.4	21.3
5 1	12 0.08	− 5 20.7	1.502	2.372	15.5	21.5

328301 2008 GR_{138} 3 27.9 125°.04 0°.5/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 51.14	− 7 22.0	1.864	2.672	14.6	21.1
3 2	12 46.75	− 6 51.9	1.786	2.679	11.3	20.9
3 12	12 40.23	− 6 6.4	1.732	2.686	7.3	20.7
3 22	12 32.24	− 5 9.2	1.703	2.693	3.0	20.4
4 1	12 23.70	− 4 6.1	1.702	2.700	1.7	20.3
4 11	12 15.62	− 3 4.1	1.730	2.706	6.1	20.6
4 21	12 8.88	− 2 9.8	1.784	2.712	10.1	20.9
5 1	12 4.12	− 1 28.0	1.862	2.718	13.6	21.1

357111 2001 UK_{129} 3 27.9 136°.03 0°.5/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.19	− 5 53.0	1.702	2.517	15.5	21.9
3 2	12 48.42	− 5 0.2	1.630	2.529	11.8	21.7
3 12	12 41.33	− 3 50.8	1.581	2.540	7.5	21.5
3 22	12 32.66	− 2 30.5	1.558	2.550	2.7	21.2
4 1	12 23.42	− 1 6.9	1.564	2.560	2.3	21.2
4 11	12 14.75	+ 0 11.0	1.598	2.569	6.9	21.5
4 21	12 7.60	+ 1 16.1	1.657	2.578	11.2	21.7
5 1	12 2.65	+ 2 3.7	1.740	2.586	14.8	22.0

392543 2011 RZ_{17} 3 27.9 79°.52 1°.6/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.19	−11 48.9	2.397	3.183	12.5	21.3
3 2	12 42.61	−11 11.8	2.310	3.187	9.8	21.1
3 12	12 37.43	−10 18.9	2.247	3.191	6.6	20.9
3 22	12 31.16	− 9 13.0	2.211	3.195	3.3	20.7
4 1	12 24.46	− 7 58.5	2.204	3.200	1.7	20.6
4 11	12 18.09	− 6 41.6	2.226	3.204	4.7	20.8
4 21	12 12.68	− 5 28.2	2.276	3.208	8.0	21.0
5 1	12 8.77	− 4 23.6	2.351	3.212	10.9	21.2

497499 2006 AD_{86} 3 27.9 26°.62 4°.2/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.33	−15 37.5	1.652	2.438	17.2	20.7
3 2	12 45.77	−15 42.4	1.572	2.442	13.9	20.5
3 12	12 39.81	−15 24.5	1.513	2.447	10.1	20.3
3 22	12 32.15	−14 44.7	1.477	2.452	6.3	20.1
4 1	12 23.77	−13 46.8	1.467	2.457	4.2	20.0
4 11	12 15.87	−12 37.9	1.483	2.462	6.5	20.1
4 21	12 9.45	−11 26.8	1.525	2.468	10.3	20.3
5 1	12 5.26	−10 21.6	1.590	2.474	14.0	20.6

329241 2012 FT_{56} 3 27.9 38°.47 1°.0/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 43.84	− 2 14.2	3.049	3.864	9.4	20.7
3 2	12 40.49	− 1 23.9	2.965	3.865	7.0	20.5
3 12	12 35.94	− 0 26.0	2.906	3.867	4.3	20.3
3 22	12 30.57	+ 0 36.0	2.877	3.868	1.6	20.1
4 1	12 24.88	+ 1 38.0	2.877	3.870	1.9	20.2
4 11	12 19.43	+ 2 35.4	2.908	3.872	4.7	20.4
4 21	12 14.70	+ 3 24.9	2.966	3.873	7.3	20.5
5 1	12 11.09	+ 4 3.6	3.050	3.875	9.6	20.7

31201 Michellegrand 3 27.9 170°.22 2°.9/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.73	+ 4 3.6	2.560	3.389	10.5	19.1
3 2	12 43.63	+ 5 6.3	2.483	3.391	7.8	18.9
3 12	12 38.01	+ 6 14.1	2.432	3.393	5.0	18.7
3 22	12 31.37	+ 7 21.8	2.410	3.395	3.0	18.6
4 1	12 24.34	+ 8 23.8	2.417	3.396	4.0	18.6
4 11	12 17.61	+ 9 15.3	2.453	3.397	6.7	18.8
4 21	12 11.81	+ 9 52.8	2.516	3.398	9.5	19.0
5 1	12 7.42	+10 14.5	2.603	3.399	11.9	19.2

73810 1995 UW_{2} 3 27.9 143°.42 0°.8/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.36	− 7 55.8	2.025	2.822	14.0	19.8
3 2	12 48.24	− 7 28.6	1.947	2.834	10.8	19.6
3 12	12 41.10	− 6 46.9	1.892	2.844	7.1	19.4
3 22	12 32.56	− 5 53.8	1.865	2.854	3.0	19.1
4 1	12 23.52	− 4 54.7	1.866	2.863	1.6	19.0
4 11	12 14.95	− 3 55.8	1.896	2.872	5.7	19.3
4 21	12 7.66	− 3 3.2	1.954	2.879	9.5	19.6
5 1	12 2.30	− 2 21.6	2.036	2.887	12.8	19.8

142135 2002 RY_{14} 3 27.9 155°.37 0°.4/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.06	− 5 56.2	1.789	2.602	15.0	20.2
3 2	12 48.34	− 5 38.2	1.709	2.605	11.5	20.0
3 12	12 41.33	− 5 6.2	1.651	2.608	7.5	19.7
3 22	12 32.70	− 4 23.5	1.620	2.610	2.9	19.4
4 1	12 23.42	− 3 35.5	1.616	2.613	1.8	19.4
4 11	12 14.60	− 2 48.8	1.640	2.615	6.4	19.7
4 21	12 7.20	− 2 9.4	1.690	2.617	10.6	19.9
5 1	12 1.92	− 1 41.9	1.763	2.619	14.2	20.1

322255 2011 DP_{21} 3 27.9 159°.33 0°.1/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.69	− 6 10.6	2.104	2.912	13.2	21.5
3 2	12 45.45	− 5 28.1	2.021	2.916	10.1	21.3
3 12	12 39.33	− 4 31.9	1.963	2.919	6.4	21.1
3 22	12 31.91	− 3 26.1	1.931	2.922	2.4	20.8
4 1	12 23.98	− 2 16.3	1.928	2.925	1.7	20.8
4 11	12 16.43	− 1 9.2	1.955	2.928	5.8	21.0
4 21	12 10.04	− 0 10.8	2.008	2.930	9.5	21.3
5 1	12 5.39	+ 0 34.6	2.086	2.932	12.7	21.5

468252 2015 BF_{289} 3 27.9 17°.96 0°.4/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 47.05	− 8 17.3	1.758	2.574	15.1	20.7
3 2	12 43.82	− 7 26.1	1.678	2.575	11.6	20.5
3 12	12 38.47	− 6 16.1	1.620	2.577	7.5	20.2
3 22	12 31.62	− 4 52.1	1.588	2.579	3.0	20.0
4 1	12 24.18	− 3 21.3	1.584	2.581	1.8	19.9
4 11	12 17.18	− 1 52.7	1.607	2.584	6.4	20.2
4 21	12 11.48	− 0 34.4	1.657	2.586	10.6	20.4
5 1	12 7.76	+ 0 27.8	1.729	2.589	14.2	20.7

212614 2006 SZ_{385} 3 27.9 189°.60 3°.0/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.26	+ 4 15.9	2.602	3.432	10.3	20.7
3 2	12 43.28	+ 5 21.0	2.522	3.431	7.7	20.5
3 12	12 37.80	+ 6 31.3	2.469	3.430	5.0	20.4
3 22	12 31.31	+ 7 41.4	2.444	3.429	3.0	20.2
4 1	12 24.42	+ 8 45.9	2.449	3.427	4.0	20.3
4 11	12 17.81	+ 9 39.7	2.483	3.426	6.7	20.5
4 21	12 12.10	+10 19.5	2.544	3.424	9.4	20.6
5 1	12 7.77	+10 43.4	2.628	3.421	11.9	20.8

159197 2005 UD_{218} 3 27.9 271°.04 7°.6/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.19	+15 22.8	1.936	2.783	12.6	19.6
3 2	12 45.34	+17 4.6	1.868	2.774	10.1	19.4
3 12	12 39.39	+18 44.7	1.824	2.766	8.1	19.3
3 22	12 31.97	+20 13.7	1.807	2.758	7.7	19.2
4 1	12 23.95	+21 22.8	1.817	2.749	9.3	19.3
4 11	12 16.33	+22 6.1	1.852	2.741	11.8	19.4
4 21	12 9.97	+22 21.5	1.909	2.732	14.5	19.6
5 1	12 5.55	+22 10.0	1.984	2.723	16.9	19.8

251000 2006 OY_{13} 3 27.9 183°.69 2°.1/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.19	− 0 12.7	2.067	2.889	12.9	21.9
3 2	12 47.38	+ 0 44.4	1.985	2.890	9.7	21.7
3 12	12 40.58	+ 1 51.3	1.928	2.890	6.1	21.5
3 22	12 32.40	+ 3 2.7	1.898	2.889	2.6	21.3
4 1	12 23.67	+ 4 11.6	1.898	2.888	3.4	21.3
4 11	12 15.32	+ 5 11.5	1.927	2.886	7.1	21.5
4 21	12 8.18	+ 5 57.3	1.982	2.883	10.7	21.8
5 1	12 2.87	+ 6 26.2	2.061	2.880	13.8	22.0

462847 2010 US_{33} 3 27.9 17°.94 4°.9/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.98	−13 54.8	1.041	1.874	21.9	19.7
3 2	12 44.14	−14 23.3	0.988	1.886	17.6	19.5
3 12	12 39.16	−14 22.9	0.951	1.900	12.7	19.2
3 22	12 31.97	−13 54.3	0.935	1.915	7.6	19.0
4 1	12 23.99	−13 3.0	0.941	1.933	5.0	18.9
4 11	12 16.86	−11 59.6	0.969	1.953	8.0	19.1
4 21	12 11.84	−10 55.5	1.018	1.974	12.7	19.5
5 1	12 9.73	−10 1.0	1.088	1.996	17.0	19.8

506048 2015 KF_{92} 3 27.9 253°.09 5°.9/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.22	+15 29.4	2.503	3.339	10.5	21.6
3 2	12 44.86	+16 34.6	2.431	3.332	8.3	21.4
3 12	12 38.85	+17 37.1	2.384	3.325	6.5	21.3
3 22	12 31.72	+18 30.7	2.364	3.318	5.9	21.2
4 1	12 24.15	+19 9.8	2.373	3.310	7.1	21.3
4 11	12 16.90	+19 30.6	2.408	3.303	9.2	21.4
4 21	12 10.65	+19 31.7	2.467	3.295	11.5	21.6
5 1	12 5.93	+19 13.4	2.548	3.288	13.6	21.7

458819 2011 TY_{12} 3 27.9 142°.76 1°.9/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.47	−11 2.9	1.624	2.425	16.8	21.6
3 2	12 48.12	−10 36.0	1.545	2.432	13.2	21.3
3 12	12 41.30	− 9 47.9	1.489	2.437	8.9	21.1
3 22	12 32.72	− 8 41.9	1.456	2.443	4.3	20.8
4 1	12 23.45	− 7 24.1	1.451	2.448	2.2	20.7
4 11	12 14.71	− 6 3.4	1.474	2.453	6.5	21.0
4 21	12 7.54	− 4 48.7	1.522	2.457	10.9	21.2
5 1	12 2.67	− 3 47.1	1.593	2.461	14.9	21.5

410189 2007 RL_{109} 3 27.9 265°.30 0°.4/28.2 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.74	− 6 48.7	1.700	2.513	15.6	22.4
3 2	12 48.56	− 6 19.9	1.594	2.491	12.2	22.1
3 12	12 41.80	− 5 33.0	1.511	2.467	8.0	21.8
3 22	12 33.02	− 4 31.4	1.452	2.443	3.2	21.5
4 1	12 23.17	− 3 20.7	1.422	2.419	2.0	21.3
4 11	12 13.49	− 2 9.5	1.418	2.394	7.2	21.6
4 21	12 5.15	− 1 6.1	1.441	2.368	12.0	21.8
5 1	11 59.08	− 0 17.2	1.485	2.342	16.4	22.0

244858 2003 UC_{173} 3 27.9 176°.12 0°.3/28.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.75	− 6 11.2	1.941	2.746	14.3	21.7
3 2	12 48.71	− 5 46.9	1.857	2.749	11.0	21.5
3 12	12 41.51	− 5 8.8	1.795	2.750	7.1	21.3
3 22	12 32.78	− 4 20.2	1.761	2.752	2.8	21.0
4 1	12 23.42	− 3 26.5	1.755	2.752	1.7	20.9
4 11	12 14.48	− 2 34.1	1.778	2.752	6.1	21.2
4 21	12 6.85	− 1 48.9	1.828	2.751	10.1	21.5
5 1	12 1.23	− 1 15.5	1.901	2.750	13.6	21.7

197330 2003 WE_{167} 3 27.9 91°.14 0°.5/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 49.53	− 6 49.7	2.043	2.851	13.6	20.8
3 2	12 45.40	− 6 25.9	1.961	2.854	10.4	20.6
3 12	12 39.35	− 5 48.5	1.902	2.857	6.8	20.4
3 22	12 31.95	− 5 1.0	1.870	2.860	2.7	20.1
4 1	12 24.01	− 4 8.1	1.866	2.863	1.6	20.0
4 11	12 16.46	− 3 16.0	1.890	2.866	5.6	20.3
4 21	12 10.10	− 2 30.2	1.942	2.869	9.4	20.6
5 1	12 5.52	− 1 55.0	2.017	2.872	12.7	20.8

429066 2009 FF_{62} 3 27.9 270°.04 0°.9/27.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.86	− 1 15.1	2.340	3.155	11.8	20.9
3 2	12 46.22	− 1 1.4	2.248	3.148	9.0	20.7
3 12	12 39.80	− 0 40.2	2.181	3.140	5.6	20.4
3 22	12 32.11	− 0 14.7	2.141	3.133	2.1	20.2
4 1	12 23.89	+ 0 11.2	2.131	3.126	2.1	20.2
4 11	12 15.95	+ 0 33.2	2.150	3.118	5.7	20.4
4 21	12 9.02	+ 0 47.6	2.196	3.111	9.1	20.6
5 1	12 3.71	+ 0 52.0	2.266	3.103	12.1	20.8

346013 2007 TD_{266} 3 27.9 142°.93 1°.5/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.99	− 9 23.4	2.213	3.007	13.1	21.6
3 2	12 45.65	− 9 14.9	2.126	3.008	10.3	21.4
3 12	12 39.47	− 8 52.8	2.063	3.010	6.9	21.2
3 22	12 31.99	− 8 19.1	2.025	3.011	3.3	21.0
4 1	12 23.99	− 7 37.5	2.016	3.013	1.8	20.8
4 11	12 16.32	− 6 53.1	2.036	3.014	5.1	21.1
4 21	12 9.75	− 6 11.0	2.084	3.015	8.6	21.3
5 1	12 4.87	− 5 36.0	2.156	3.016	11.8	21.5

269079 2007 HK_{6} 3 27.9 317°.48 5°.9/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.87	+ 8 24.0	1.569	2.425	14.6	19.6
3 2	12 45.60	+ 9 35.1	1.488	2.408	11.2	19.4
3 12	12 39.84	+10 51.4	1.430	2.391	7.8	19.1
3 22	12 32.24	+12 3.8	1.396	2.375	5.9	19.0
4 1	12 23.79	+13 2.6	1.389	2.359	7.6	19.0
4 11	12 15.73	+13 39.9	1.406	2.344	11.2	19.2
4 21	12 9.14	+13 51.5	1.446	2.329	15.0	19.4
5 1	12 4.82	+13 36.7	1.504	2.315	18.5	19.6

206125 2002 SM_{8} 3 27.9 135°.66 0°.1/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.03	− 4 41.5	2.588	3.388	11.3	21.4
3 2	12 46.06	− 4 21.2	2.509	3.399	8.6	21.2
3 12	12 39.53	− 3 51.8	2.456	3.410	5.4	21.1
3 22	12 31.97	− 3 16.3	2.430	3.421	2.1	20.8
4 1	12 24.03	− 2 38.2	2.434	3.431	1.4	20.8
4 11	12 16.45	− 2 2.0	2.469	3.441	4.8	21.1
4 21	12 9.84	− 1 31.3	2.532	3.450	7.9	21.3
5 1	12 4.71	− 1 9.1	2.620	3.459	10.6	21.5

213356 2001 TV_{52} 3 27.9 207°.95 0°.4/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.55	− 4 36.6	2.078	2.889	13.3	21.7
3 2	12 46.96	− 4 3.6	1.988	2.884	10.1	21.4
3 12	12 40.38	− 3 18.2	1.922	2.880	6.4	21.2
3 22	12 32.36	− 2 24.1	1.883	2.874	2.4	20.9
4 1	12 23.74	− 1 26.7	1.872	2.869	1.9	20.9
4 11	12 15.45	− 0 32.3	1.891	2.863	6.1	21.1
4 21	12 8.32	+ 0 13.6	1.937	2.856	9.9	21.4
5 1	12 3.01	+ 0 46.9	2.006	2.849	13.3	21.6

471187 2010 ND_{5} 3 27.9 276°.62 0°.5/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.48	− 3 33.7	2.389	3.202	11.7	21.4
3 2	12 44.46	− 3 6.3	2.288	3.186	8.9	21.2
3 12	12 38.72	− 2 28.8	2.211	3.170	5.7	21.0
3 22	12 31.74	− 1 44.5	2.162	3.154	2.1	20.7
4 1	12 24.17	− 0 57.7	2.142	3.138	1.8	20.7
4 11	12 16.82	− 0 13.4	2.151	3.122	5.5	20.9
4 21	12 10.40	+ 0 23.7	2.187	3.105	9.0	21.1
5 1	12 5.50	+ 0 50.0	2.248	3.089	12.1	21.2

324519 2006 VC_{85} 3 27.9 118°.24 0°.5/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.57	− 6 20.2	1.882	2.689	14.6	21.2
3 2	12 48.54	− 6 1.8	1.809	2.701	11.2	21.0
3 12	12 41.36	− 5 29.9	1.758	2.713	7.2	20.8
3 22	12 32.72	− 4 47.9	1.734	2.724	2.9	20.6
4 1	12 23.55	− 4 0.8	1.738	2.735	1.7	20.5
4 11	12 14.89	− 3 14.9	1.771	2.746	6.0	20.8
4 21	12 7.62	− 2 35.8	1.830	2.756	10.0	21.1
5 1	12 2.39	− 2 7.7	1.913	2.766	13.4	21.3

504738 2009 VX_{73} 3 27.9 38°.52 0°.4/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.70	− 6 32.6	2.591	3.395	11.1	21.1
3 2	12 42.06	− 6 8.4	2.518	3.409	8.5	21.0
3 12	12 37.01	− 5 34.1	2.469	3.424	5.5	20.8
3 22	12 31.02	− 4 52.3	2.448	3.439	2.2	20.6
4 1	12 24.71	− 4 7.1	2.457	3.454	1.3	20.5
4 11	12 18.74	− 3 22.9	2.494	3.469	4.5	20.8
4 21	12 13.66	− 2 43.7	2.559	3.485	7.5	21.0
5 1	12 9.93	− 2 12.8	2.649	3.501	10.1	21.2

7207 Hammurabi 3 27.9 78°.00 2°.1/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.84	− 8 6.5	1.708	2.505	16.3	18.3
3 2	12 52.67	− 8 33.2	1.642	2.526	12.7	18.1
3 12	12 44.04	− 8 45.9	1.598	2.546	8.5	17.9
3 22	12 33.73	− 8 45.9	1.580	2.566	4.1	17.7
4 1	12 22.88	− 8 36.3	1.591	2.586	2.4	17.6
4 11	12 12.70	− 8 21.8	1.629	2.606	6.2	17.9
4 21	12 4.21	− 8 7.6	1.694	2.626	10.2	18.2
5 1	11 58.10	− 7 58.4	1.782	2.645	13.8	18.5

78596 2002 SK_{21} 3 27.9 143°.19 0°.7/27.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.26	− 3 24.1	2.371	3.183	11.8	20.3
3 2	12 44.90	− 2 46.6	2.291	3.189	8.9	20.1
3 12	12 38.89	− 1 59.3	2.236	3.195	5.6	19.9
3 22	12 31.76	− 1 6.0	2.209	3.201	2.0	19.7
4 1	12 24.20	− 0 11.7	2.211	3.206	1.9	19.7
4 11	12 17.00	+ 0 38.5	2.242	3.211	5.5	19.9
4 21	12 10.82	+ 1 20.2	2.301	3.216	8.8	20.1
5 1	12 6.18	+ 1 50.1	2.384	3.220	11.6	20.3

162523 2000 QQ_{125} 3 27.9 165°.94 3°.2/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.82	−13 22.8	1.823	2.603	16.0	20.7
3 2	12 49.75	−13 26.0	1.738	2.607	12.8	20.4
3 12	12 42.30	−13 10.1	1.674	2.611	9.1	20.2
3 22	12 33.13	−12 36.0	1.635	2.614	5.2	20.0
4 1	12 23.24	−11 47.2	1.624	2.616	3.3	19.9
4 11	12 13.79	−10 50.1	1.641	2.618	6.1	20.0
4 21	12 5.78	− 9 52.0	1.684	2.620	10.1	20.3
5 1	11 59.97	− 8 59.9	1.752	2.620	13.7	20.5

433464 2013 VL_{6} 3 27.9 50°.35 5°.7/ 3.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.06	−21 32.1	1.828	2.577	17.1	21.0
3 2	12 45.31	−21 37.4	1.758	2.596	14.2	20.8
3 12	12 39.38	−21 17.4	1.707	2.615	11.0	20.6
3 22	12 31.98	−20 32.5	1.680	2.635	7.8	20.5
4 1	12 24.07	−19 25.9	1.678	2.655	5.8	20.4
4 11	12 16.71	−18 4.6	1.703	2.675	6.6	20.5
4 21	12 10.77	−16 37.4	1.755	2.695	9.4	20.7
5 1	12 6.88	−15 12.9	1.830	2.715	12.4	20.9

18250 3178 $T\text{-}_{2}$ 3 27.9 165°.77 0°.6/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.52	− 3 8.9	2.259	3.072	12.3	18.9
3 2	12 45.96	− 2 42.7	2.176	3.074	9.3	18.7
3 12	12 39.63	− 2 6.8	2.117	3.076	5.9	18.5
3 22	12 32.06	− 1 24.9	2.086	3.078	2.1	18.3
4 1	12 24.00	− 0 41.4	2.083	3.079	1.9	18.3
4 11	12 16.30	− 0 1.5	2.110	3.080	5.6	18.5
4 21	12 9.67	+ 0 30.4	2.164	3.081	9.1	18.7
5 1	12 4.69	+ 0 51.2	2.242	3.082	12.2	18.9

140117 2001 SD_{138} 3 27.9 97°.56 0°.1/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.33	− 5 36.8	2.503	3.305	11.5	20.5
3 2	12 44.78	− 5 1.6	2.434	3.326	8.7	20.3
3 12	12 38.71	− 4 16.1	2.391	3.346	5.5	20.2
3 22	12 31.66	− 3 23.9	2.375	3.366	2.1	20.0
4 1	12 24.30	− 2 29.4	2.390	3.386	1.4	19.9
4 11	12 17.35	− 1 37.5	2.434	3.406	4.8	20.2
4 21	12 11.40	− 0 52.5	2.506	3.425	7.9	20.4
5 1	12 6.92	− 0 17.7	2.603	3.444	10.6	20.6

33906 2000 KL_{81} 3 27.9 220°.80 2°.0/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.77	− 1 14.8	1.938	2.759	13.7	19.3
3 2	12 48.09	− 0 13.7	1.845	2.749	10.3	19.1
3 12	12 41.21	+ 1 0.0	1.776	2.738	6.5	18.8
3 22	12 32.73	+ 2 20.7	1.735	2.727	2.7	18.6
4 1	12 23.52	+ 3 40.8	1.723	2.714	3.5	18.6
4 11	12 14.61	+ 4 52.4	1.740	2.701	7.5	18.8
4 21	12 6.95	+ 5 49.1	1.783	2.686	11.5	19.0
5 1	12 1.27	+ 6 27.2	1.849	2.672	15.0	19.2

387596 2001 XZ_{129} 3 27.9 87°.05 7°.9/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.19	+23 8.0	2.401	3.223	11.3	21.2
3 2	12 47.73	+24 17.5	2.364	3.244	9.5	21.1
3 12	12 40.56	+25 17.1	2.352	3.264	8.2	21.1
3 22	12 32.34	+26 0.2	2.367	3.284	8.0	21.1
4 1	12 23.88	+26 22.1	2.408	3.303	9.0	21.2
4 11	12 16.00	+26 20.9	2.474	3.323	10.7	21.3
4 21	12 9.38	+25 57.4	2.563	3.342	12.5	21.5
5 1	12 4.49	+25 13.9	2.672	3.361	14.1	21.7

404917 2014 KO_{100} 3 27.9 206°.30 4°.4/24.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.94	+ 5 28.6	1.710	2.545	14.6	22.1
3 2	12 50.70	+ 6 28.4	1.630	2.541	11.1	21.9
3 12	12 42.95	+ 7 34.7	1.574	2.535	7.3	21.6
3 22	12 33.40	+ 8 39.8	1.545	2.529	4.5	21.5
4 1	12 23.09	+ 9 35.3	1.544	2.522	5.8	21.5
4 11	12 13.25	+10 14.0	1.569	2.515	9.6	21.7
4 21	12 4.93	+10 31.9	1.619	2.507	13.5	21.9
5 1	11 58.92	+10 27.8	1.691	2.498	16.9	22.1

221272 2005 UL_{324} 3 27.9 193°.43 0°.3/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 50.55	− 5 4.6	1.979	2.793	13.7	20.8
3 2	12 46.27	− 4 28.1	1.894	2.792	10.5	20.6
3 12	12 39.97	− 3 38.1	1.832	2.791	6.7	20.3
3 22	12 32.23	− 2 38.7	1.798	2.789	2.5	20.1
4 1	12 23.90	− 1 35.8	1.791	2.788	1.9	20.0
4 11	12 15.94	− 0 36.2	1.813	2.786	6.2	20.3
4 21	12 9.20	+ 0 14.3	1.862	2.783	10.1	20.5
5 1	12 4.33	+ 0 51.3	1.934	2.781	13.5	20.7

87702 2000 SO_{22} 3 27.9 214°.15 5°.4/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.53	+10 59.0	2.288	3.124	11.3	20.0
3 2	12 46.03	+12 25.2	2.210	3.117	8.7	19.8
3 12	12 39.71	+13 53.1	2.158	3.109	6.4	19.6
3 22	12 32.11	+15 15.3	2.135	3.101	5.4	19.5
4 1	12 23.98	+16 24.7	2.140	3.092	6.8	19.6
4 11	12 16.17	+17 15.6	2.173	3.083	9.3	19.7
4 21	12 9.43	+17 45.2	2.230	3.073	12.0	19.9
5 1	12 4.35	+17 52.9	2.309	3.062	14.5	20.1

274540 2008 SU_{239} 3 27.9 205°.19 3°.1/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.77	+ 5 11.3	2.247	3.074	11.8	20.9
3 2	12 47.69	+ 5 47.6	2.164	3.070	8.9	20.7
3 12	12 40.74	+ 6 27.9	2.107	3.067	5.8	20.5
3 22	12 32.50	+ 7 7.1	2.077	3.063	3.3	20.3
4 1	12 23.73	+ 7 39.9	2.077	3.059	4.2	20.4
4 11	12 15.32	+ 8 1.8	2.105	3.054	7.3	20.6
4 21	12 8.04	+ 8 9.9	2.160	3.049	10.5	20.8
5 1	12 2.48	+ 8 3.0	2.237	3.044	13.3	20.9

20656 1999 TX_{258} 3 27.9 302°.63 0°.6/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.16	− 3 10.4	2.236	3.054	12.2	19.0
3 2	12 44.32	− 2 45.9	2.140	3.040	9.3	18.8
3 12	12 38.69	− 2 11.3	2.068	3.027	5.9	18.5
3 22	12 31.75	− 1 30.0	2.022	3.014	2.2	18.3
4 1	12 24.22	− 0 46.5	2.006	3.002	1.9	18.2
4 11	12 16.94	− 0 6.1	2.018	2.989	5.8	18.5
4 21	12 10.67	+ 0 26.6	2.056	2.976	9.4	18.7
5 1	12 6.01	+ 0 48.0	2.119	2.964	12.6	18.8

48040 2001 DL_{70} 3 27.9 343°.86 0°.2/27.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.03	− 4 20.8	1.234	2.081	18.3	18.6
3 2	12 46.29	− 4 12.8	1.157	2.072	14.1	18.3
3 12	12 40.58	− 3 48.0	1.099	2.063	9.1	18.0
3 22	12 32.61	− 3 10.4	1.063	2.056	3.5	17.6
4 1	12 23.62	− 2 27.0	1.052	2.049	2.5	17.5
4 11	12 15.12	− 1 46.6	1.065	2.044	8.3	17.9
4 21	12 8.44	− 1 17.1	1.100	2.040	13.7	18.1
5 1	12 4.54	− 1 4.0	1.155	2.037	18.3	18.4

490195 2008 UT_{324} 3 27.9 257°.97 1°.8/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.23	− 8 57.3	1.614	2.419	16.7	22.2
3 2	12 50.65	− 8 53.7	1.510	2.399	13.2	22.0
3 12	12 43.26	− 8 32.0	1.428	2.379	9.0	21.7
3 22	12 33.65	− 7 53.5	1.370	2.358	4.2	21.3
4 1	12 22.86	− 7 2.6	1.340	2.336	2.3	21.1
4 11	12 12.23	− 6 6.6	1.336	2.314	7.1	21.4
4 21	12 3.07	− 5 13.4	1.358	2.291	12.1	21.6
5 1	11 56.39	− 4 30.7	1.402	2.268	16.6	21.8

379568 2011 BL_{4} 3 27.9 304°.92 7°.6/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.38	+11 53.5	1.616	2.473	14.2	20.6
3 2	12 45.18	+13 37.0	1.540	2.457	11.1	20.4
3 12	12 39.56	+15 23.5	1.488	2.442	8.4	20.2
3 22	12 32.16	+17 2.2	1.462	2.426	7.6	20.1
4 1	12 23.95	+18 22.0	1.461	2.411	9.4	20.2
4 11	12 16.14	+19 14.6	1.484	2.396	12.6	20.3
4 21	12 9.77	+19 36.4	1.529	2.382	16.0	20.5
5 1	12 5.62	+19 27.6	1.592	2.367	19.1	20.7

258240 2001 TP_{134} 3 27.9 180°.30 3°.6/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.46	−15 56.3	2.221	2.979	14.2	21.2
3 2	12 47.61	−15 56.1	2.127	2.981	11.5	21.0
3 12	12 40.78	−15 38.0	2.056	2.981	8.4	20.8
3 22	12 32.55	−15 2.6	2.011	2.982	5.2	20.6
4 1	12 23.70	−14 12.5	1.994	2.981	3.6	20.5
4 11	12 15.19	−13 13.0	2.005	2.980	5.4	20.6
4 21	12 7.82	−12 10.4	2.045	2.979	8.6	20.8
5 1	12 2.25	−11 11.0	2.110	2.977	11.8	21.0

208049 1999 TM_{157} 3 27.9 247°.17 0°.2/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.60	− 5 34.3	1.853	2.663	14.7	21.2
3 2	12 48.92	− 5 14.0	1.753	2.648	11.3	20.9
3 12	12 41.88	− 4 39.4	1.676	2.633	7.4	20.7
3 22	12 33.04	− 3 53.7	1.626	2.617	2.9	20.3
4 1	12 23.33	− 3 2.1	1.603	2.600	1.9	20.2
4 11	12 13.87	− 2 11.2	1.608	2.583	6.6	20.5
4 21	12 5.69	− 1 27.5	1.640	2.565	11.0	20.7
5 1	11 59.62	− 0 56.1	1.695	2.547	14.9	20.9

491115 2011 SU_{86} 3 27.9 260°.86 1°.8/30.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 46.76	−12 3.5	2.422	3.205	12.4	21.0
3 2	12 43.13	−11 35.8	2.326	3.200	9.8	20.8
3 12	12 37.85	−10 52.4	2.253	3.195	6.8	20.6
3 22	12 31.42	− 9 55.6	2.207	3.190	3.5	20.4
4 1	12 24.49	− 8 49.3	2.189	3.185	1.9	20.2
4 11	12 17.82	− 7 39.1	2.201	3.179	4.7	20.4
4 21	12 12.10	− 6 30.8	2.241	3.174	8.0	20.6
5 1	12 7.86	− 5 29.8	2.305	3.169	11.0	20.8

410169 2007 PS_{13} 3 27.9 222°.86 1°.1/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.24	− 8 1.3	2.007	2.801	14.3	22.9
3 2	12 49.99	− 7 46.4	1.905	2.789	11.2	22.6
3 12	12 42.47	− 7 16.7	1.827	2.777	7.4	22.4
3 22	12 33.26	− 6 34.5	1.775	2.764	3.3	22.1
4 1	12 23.22	− 5 43.9	1.753	2.750	1.8	21.9
4 11	12 13.44	− 4 51.1	1.759	2.735	6.0	22.2
4 21	12 4.89	− 4 2.5	1.793	2.719	10.2	22.4
5 1	11 58.35	− 3 23.4	1.851	2.702	13.9	22.6

244492 2002 TZ_{52} 3 27.9 111°.82 2°.3/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.90	−13 32.4	2.617	3.382	12.1	21.1
3 2	12 45.23	−13 15.3	2.539	3.401	9.6	20.9
3 12	12 39.03	−12 43.8	2.486	3.420	6.7	20.8
3 22	12 31.82	−11 59.8	2.460	3.438	3.8	20.6
4 1	12 24.28	−11 6.7	2.463	3.456	2.3	20.5
4 11	12 17.10	−10 9.3	2.496	3.473	4.4	20.7
4 21	12 10.91	− 9 12.4	2.558	3.490	7.2	20.9
5 1	12 6.18	− 8 20.7	2.646	3.506	9.9	21.1

80014 1999 GN_{16} 3 27.9 110°.57 1°.5/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.99	+ 0 33.7	2.295	3.114	11.9	19.2
3 2	12 46.99	+ 0 52.8	2.219	3.121	8.9	19.0
3 12	12 40.24	+ 1 18.1	2.167	3.128	5.6	18.8
3 22	12 32.31	+ 1 45.9	2.143	3.135	2.2	18.6
4 1	12 23.94	+ 2 11.9	2.149	3.142	2.6	18.6
4 11	12 15.97	+ 2 32.0	2.184	3.148	6.0	18.9
4 21	12 9.10	+ 2 43.0	2.246	3.155	9.2	19.1
5 1	12 3.90	+ 2 42.9	2.332	3.161	12.1	19.3

253431 2003 QN_{63} 3 27.9 196°.63 3°.1/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.17	+ 3 30.5	2.154	2.977	12.4	21.4
3 2	12 48.86	+ 4 24.9	2.069	2.974	9.3	21.2
3 12	12 41.55	+ 5 25.9	2.010	2.970	6.0	21.0
3 22	12 32.85	+ 6 27.7	1.979	2.965	3.3	20.8
4 1	12 23.56	+ 7 23.8	1.977	2.960	4.3	20.8
4 11	12 14.63	+ 8 8.4	2.004	2.953	7.6	21.0
4 21	12 6.88	+ 8 37.6	2.058	2.946	11.0	21.2
5 1	12 0.96	+ 8 49.5	2.135	2.937	14.0	21.4

415071 2012 BU_{62} 3 27.9 348°.99 2°.1/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.89	−10 6.8	1.368	2.191	18.2	20.3
3 2	12 45.93	− 9 58.3	1.289	2.187	14.3	20.1
3 12	12 40.22	− 9 27.8	1.230	2.183	9.8	19.8
3 22	12 32.46	− 8 37.7	1.193	2.180	4.7	19.5
4 1	12 23.80	− 7 33.9	1.181	2.178	2.5	19.3
4 11	12 15.63	− 6 25.6	1.195	2.176	7.2	19.6
4 21	12 9.14	− 5 22.4	1.232	2.175	12.2	19.9
5 1	12 5.21	− 4 32.3	1.290	2.175	16.6	20.1

162648 2000 ST_{218} 3 27.9 224°.46 4°.2/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.77	+ 5 15.2	1.935	2.767	13.2	20.4
3 2	12 48.86	+ 6 23.4	1.847	2.756	10.0	20.2
3 12	12 41.72	+ 7 38.6	1.784	2.744	6.6	20.0
3 22	12 32.96	+ 8 53.7	1.749	2.732	4.2	19.8
4 1	12 23.47	+10 0.7	1.742	2.719	5.6	19.8
4 11	12 14.31	+10 52.3	1.763	2.704	9.0	20.0
4 21	12 6.43	+11 24.2	1.809	2.690	12.6	20.2
5 1	12 0.57	+11 34.7	1.877	2.674	15.8	20.4

64947 2001 YQ_{123} 3 27.9 277°.22 1°.0/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.22	− 6 41.4	1.509	2.328	17.0	18.9
3 2	12 49.99	− 6 40.8	1.412	2.310	13.3	18.6
3 12	12 42.90	− 6 24.0	1.336	2.292	8.9	18.3
3 22	12 33.55	− 5 52.9	1.284	2.274	3.8	18.0
4 1	12 23.02	− 5 12.3	1.258	2.255	2.1	17.8
4 11	12 12.73	− 4 29.6	1.259	2.237	7.4	18.1
4 21	12 4.00	− 3 52.1	1.284	2.218	12.6	18.3
5 1	11 57.84	− 3 26.5	1.331	2.200	17.1	18.5

78896 2003 SH_{57} 3 27.9 52°.55 0°.5/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.63	− 6 40.5	1.971	2.782	13.9	19.5
3 2	12 45.59	− 6 17.4	1.890	2.784	10.7	19.3
3 12	12 39.54	− 5 40.6	1.831	2.786	6.9	19.1
3 22	12 32.10	− 4 53.3	1.798	2.789	2.8	18.8
4 1	12 24.09	− 4 0.7	1.794	2.791	1.6	18.7
4 11	12 16.48	− 3 8.8	1.817	2.793	5.8	19.0
4 21	12 10.09	− 2 23.6	1.867	2.796	9.7	19.2
5 1	12 5.54	− 1 49.4	1.941	2.798	13.0	19.4

453918 2011 WK_{39} 3 27.9 67°.45 4°.3/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.87	+ 3 55.4	1.402	2.250	16.5	21.0
3 2	12 49.19	+ 4 59.6	1.354	2.271	12.3	20.8
3 12	12 41.92	+ 6 10.7	1.327	2.292	7.8	20.6
3 22	12 32.97	+ 7 19.8	1.326	2.313	4.5	20.4
4 1	12 23.57	+ 8 17.4	1.351	2.334	5.8	20.6
4 11	12 15.02	+ 8 56.2	1.402	2.355	9.7	20.8
4 21	12 8.31	+ 9 13.0	1.476	2.376	13.7	21.1
5 1	12 4.10	+ 9 7.4	1.570	2.397	17.0	21.4

188286 2003 BQ_{39} 3 27.9 123°.86 3°.5/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.34	+ 2 8.0	1.765	2.605	14.0	20.1
3 2	12 45.53	+ 3 26.2	1.694	2.608	10.4	19.9
3 12	12 39.57	+ 4 54.3	1.646	2.610	6.6	19.7
3 22	12 32.12	+ 6 24.4	1.625	2.613	3.7	19.5
4 1	12 24.10	+ 7 47.8	1.632	2.615	5.0	19.6
4 11	12 16.54	+ 8 56.2	1.666	2.618	8.7	19.8
4 21	12 10.34	+ 9 44.4	1.725	2.620	12.4	20.0
5 1	12 6.14	+10 10.2	1.805	2.622	15.6	20.2

499025 2009 DG_{20} 3 27.9 217°.39 4°.2/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.26	+ 7 22.6	2.312	3.149	11.2	21.8
3 2	12 44.26	+ 8 33.5	2.235	3.146	8.4	21.6
3 12	12 38.57	+ 9 48.0	2.185	3.143	5.7	21.4
3 22	12 31.71	+10 59.8	2.162	3.140	4.2	21.3
4 1	12 24.38	+12 2.5	2.168	3.136	5.4	21.4
4 11	12 17.38	+12 50.5	2.201	3.133	8.1	21.6
4 21	12 11.40	+13 20.8	2.261	3.129	10.9	21.7
5 1	12 6.99	+13 32.2	2.342	3.125	13.5	21.9

58118 1981 EX_{7} 3 27.9 204°.88 0°.6/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.76	− 9 19.2	2.147	2.944	13.4	19.8
3 2	12 44.83	− 8 25.9	2.054	2.941	10.3	19.6
3 12	12 39.03	− 7 15.5	1.986	2.938	6.8	19.3
3 22	12 31.91	− 5 51.7	1.944	2.933	2.8	19.1
4 1	12 24.24	− 4 20.5	1.932	2.929	1.5	19.0
4 11	12 16.88	− 2 49.5	1.949	2.924	5.5	19.2
4 21	12 10.62	− 1 25.9	1.994	2.919	9.3	19.4
5 1	12 6.07	− 0 15.4	2.063	2.914	12.7	19.6

57383 2001 RP_{70} 3 27.9 167°.61 2°.2/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.59	−11 57.4	2.553	3.326	12.2	19.0
3 2	12 45.91	−11 58.7	2.461	3.328	9.6	18.8
3 12	12 39.58	−11 47.0	2.393	3.330	6.7	18.6
3 22	12 32.09	−11 23.3	2.353	3.332	3.7	18.4
4 1	12 24.12	−10 50.4	2.341	3.334	2.3	18.3
4 11	12 16.43	−10 12.4	2.358	3.335	4.6	18.5
4 21	12 9.70	− 9 33.6	2.404	3.336	7.6	18.7
5 1	12 4.48	− 8 58.5	2.476	3.337	10.4	18.9

466142 2012 HG_{19} 3 27.9 55°.55 6°.0/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.44	−26 27.4	1.725	2.454	18.7	21.0
3 2	12 44.32	−25 35.0	1.640	2.462	15.8	20.8
3 12	12 38.90	−24 6.9	1.573	2.471	12.4	20.6
3 22	12 31.88	−22 3.8	1.530	2.480	8.8	20.4
4 1	12 24.29	−19 31.4	1.513	2.490	6.2	20.3
4 11	12 17.26	−16 41.4	1.524	2.499	6.8	20.3
4 21	12 11.75	−13 47.9	1.564	2.509	9.9	20.5
5 1	12 8.40	−11 4.8	1.630	2.519	13.4	20.7

413787 2006 HH_{68} 3 27.9 291°.30 1°.4/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.98	− 1 43.0	1.470	2.306	16.5	21.5
3 2	12 49.04	− 1 21.8	1.377	2.288	12.7	21.2
3 12	12 42.27	− 0 47.5	1.306	2.270	8.1	20.9
3 22	12 33.30	− 0 4.4	1.259	2.251	3.1	20.6
4 1	12 23.23	+ 0 40.3	1.238	2.233	3.1	20.5
4 11	12 13.45	+ 1 18.7	1.243	2.216	8.4	20.8
4 21	12 5.25	+ 1 44.1	1.273	2.198	13.5	21.0
5 1	11 59.62	+ 1 51.9	1.322	2.180	17.9	21.2

374406 2005 WN_{25} 3 27.9 255°.19 5°.2/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.18	+ 9 53.3	2.016	2.851	12.7	20.6
3 2	12 49.12	+10 45.0	1.927	2.835	9.8	20.4
3 12	12 41.87	+11 38.3	1.863	2.818	6.9	20.2
3 22	12 33.03	+12 26.6	1.826	2.802	5.2	20.1
4 1	12 23.47	+13 2.8	1.818	2.784	6.4	20.1
4 11	12 14.22	+13 21.7	1.836	2.767	9.4	20.3
4 21	12 6.23	+13 20.4	1.879	2.749	12.7	20.4
5 1	12 0.20	+12 58.9	1.944	2.731	15.7	20.6

154658 2004 FA_{18} 3 27.9 207°.92 15°.4/23.6 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 47.55	+16 45.8	0.783	1.595	29.2	21.1
3 2	13 35.65	+18 39.9	0.706	1.591	24.3	20.7
3 12	13 15.27	+20 37.6	0.645	1.582	18.9	20.3
3 22	12 46.85	+22 8.0	0.606	1.567	15.5	20.0
4 1	12 13.74	+22 35.1	0.592	1.547	17.6	20.0
4 11	11 41.68	+21 41.6	0.603	1.522	24.1	20.2
4 21	11 15.60	+19 40.3	0.634	1.491	31.3	20.5
5 1	10 57.64	+16 57.2	0.679	1.454	37.8	20.8

467355 2003 OF_{16} 3 27.9 186°.82 3°.6/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 49.94	−18 22.3	2.615	3.355	12.7	21.5
3 2	12 45.45	−18 11.0	2.516	3.355	10.4	21.3
3 12	12 39.31	−17 42.3	2.440	3.354	7.8	21.1
3 22	12 32.00	−16 56.7	2.389	3.352	5.1	20.9
4 1	12 24.20	−15 56.9	2.367	3.350	3.6	20.8
4 11	12 16.67	−14 47.5	2.375	3.348	4.9	20.9
4 21	12 10.09	−13 34.3	2.411	3.345	7.5	21.1
5 1	12 5.01	−12 23.3	2.474	3.341	10.2	21.2

198344 2004 VU 3 27.9 85°.86 0°.9/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.69	− 4 18.5	1.920	2.741	13.8	20.0
3 2	12 44.84	− 3 22.3	1.847	2.750	10.4	19.8
3 12	12 39.04	− 2 12.6	1.798	2.759	6.5	19.6
3 22	12 31.91	− 0 54.8	1.776	2.768	2.4	19.3
4 1	12 24.30	+ 0 24.2	1.782	2.777	2.4	19.3
4 11	12 17.14	+ 1 36.7	1.817	2.786	6.5	19.6
4 21	12 11.22	+ 2 36.7	1.878	2.795	10.3	19.9
5 1	12 7.15	+ 3 20.2	1.962	2.804	13.5	20.1

32903 1994 PN_{17} 3 27.9 195°.86 1°.0/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.31	− 8 14.3	2.607	3.397	11.5	19.6
3 2	12 44.90	− 8 2.3	2.514	3.396	8.9	19.5
3 12	12 38.93	− 7 39.1	2.446	3.394	5.9	19.3
3 22	12 31.85	− 7 6.9	2.405	3.392	2.7	19.0
4 1	12 24.32	− 6 28.7	2.394	3.391	1.4	18.9
4 11	12 17.05	− 5 49.0	2.412	3.388	4.5	19.2
4 21	12 10.68	− 5 11.8	2.458	3.386	7.7	19.4
5 1	12 5.74	− 4 41.0	2.530	3.383	10.5	19.5

352798 2008 UF_{213} 3 27.9 135°.18 3°.1/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.30	−11 30.6	1.538	2.335	17.8	20.8
3 2	12 51.26	−11 43.1	1.460	2.341	14.1	20.6
3 12	12 43.47	−11 36.1	1.403	2.347	9.8	20.3
3 22	12 33.69	−11 10.5	1.370	2.353	5.3	20.1
4 1	12 23.07	−10 30.2	1.364	2.358	3.2	20.0
4 11	12 13.01	− 9 42.1	1.385	2.363	6.8	20.2
4 21	12 4.68	− 8 54.1	1.430	2.368	11.3	20.4
5 1	11 58.92	− 8 13.5	1.499	2.372	15.3	20.7

285632 2000 RJ_{85} 3 27.9 185°.50 1°.6/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.06	−10 27.2	3.012	3.783	10.5	21.4
3 2	12 45.27	−10 21.6	2.915	3.783	8.2	21.2
3 12	12 39.07	−10 5.4	2.843	3.782	5.6	21.0
3 22	12 31.89	− 9 39.9	2.799	3.781	2.9	20.8
4 1	12 24.30	− 9 7.7	2.785	3.780	1.7	20.7
4 11	12 16.94	− 8 32.1	2.802	3.778	4.0	20.9
4 21	12 10.37	− 7 56.8	2.847	3.775	6.8	21.1
5 1	12 5.07	− 7 25.4	2.920	3.772	9.3	21.2

57534 2001 TP_{8} 3 27.9 107°.74 2°.3/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.01	+ 3 31.8	2.472	3.293	11.1	19.2
3 2	12 46.85	+ 3 57.1	2.402	3.305	8.3	19.1
3 12	12 40.09	+ 4 26.1	2.357	3.317	5.2	18.9
3 22	12 32.26	+ 4 55.0	2.341	3.329	2.6	18.7
4 1	12 24.08	+ 5 19.6	2.354	3.341	3.2	18.8
4 11	12 16.31	+ 5 36.1	2.397	3.352	6.1	19.0
4 21	12 9.59	+ 5 42.2	2.467	3.364	9.0	19.2
5 1	12 4.43	+ 5 36.5	2.561	3.375	11.6	19.4

462838 2010 TV_{150} 3 27.9 206°.60 3°.9/31.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.89	−14 48.3	2.191	2.946	14.5	22.0
3 2	12 51.91	−15 16.4	2.089	2.940	11.8	21.8
3 12	12 43.67	−15 28.9	2.009	2.933	8.6	21.5
3 22	12 33.75	−15 25.4	1.956	2.925	5.5	21.3
4 1	12 23.01	−15 6.9	1.931	2.917	3.9	21.2
4 11	12 12.50	−14 37.2	1.936	2.908	5.9	21.3
4 21	12 3.19	−14 1.6	1.969	2.898	9.2	21.5
5 1	11 55.85	−13 26.0	2.028	2.888	12.5	21.7

70169 1999 NX_{64} 3 27.9 205°.96 0°.4/28.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.93	− 6 22.4	1.999	2.802	14.0	20.6
3 2	12 48.92	− 5 59.6	1.906	2.797	10.8	20.4
3 12	12 41.74	− 5 22.9	1.837	2.791	7.0	20.2
3 22	12 32.99	− 4 35.6	1.794	2.785	2.8	19.9
4 1	12 23.55	− 3 42.4	1.781	2.778	1.7	19.8
4 11	12 14.43	− 2 49.8	1.796	2.770	6.0	20.1
4 21	12 6.56	− 2 3.7	1.838	2.762	10.1	20.3
5 1	12 0.64	− 1 28.8	1.905	2.753	13.6	20.5

498953 2009 BK_{85} 3 27.9 115°.74 1°.6/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.63	− 0 53.3	2.258	3.081	11.9	21.6
3 2	12 44.53	− 0 5.2	2.183	3.087	8.9	21.4
3 12	12 38.73	+ 0 51.5	2.131	3.093	5.6	21.2
3 22	12 31.78	+ 1 52.4	2.108	3.099	2.2	21.0
4 1	12 24.40	+ 2 51.6	2.114	3.105	2.8	21.1
4 11	12 17.40	+ 3 43.6	2.148	3.111	6.2	21.3
4 21	12 11.45	+ 4 24.2	2.210	3.117	9.4	21.5
5 1	12 7.09	+ 4 50.5	2.295	3.122	12.3	21.7

396201 2013 QT_{18} 3 27.9 169°.71 1°.6/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 50.64	− 1 40.1	1.890	2.715	13.8	21.7
3 2	12 46.42	− 0 51.4	1.811	2.717	10.4	21.5
3 12	12 40.11	+ 0 8.8	1.756	2.718	6.5	21.3
3 22	12 32.35	+ 1 15.0	1.727	2.719	2.5	21.0
4 1	12 24.01	+ 2 20.5	1.727	2.720	3.0	21.1
4 11	12 16.09	+ 3 18.1	1.755	2.720	7.0	21.3
4 21	12 9.46	+ 4 2.4	1.809	2.721	10.9	21.5
5 1	12 4.75	+ 4 30.1	1.885	2.721	14.3	21.8

249621 1999 TO_{37} 3 27.9 258°.21 2°.5/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.96	−13 43.9	1.781	2.570	16.0	20.6
3 2	12 46.33	−13 8.8	1.677	2.553	12.8	20.3
3 12	12 40.33	−12 9.8	1.594	2.537	9.0	20.0
3 22	12 32.53	−10 48.5	1.537	2.519	4.8	19.7
4 1	12 23.84	− 9 10.4	1.506	2.502	2.6	19.6
4 11	12 15.41	− 7 24.3	1.504	2.484	6.3	19.7
4 21	12 8.26	− 5 40.5	1.528	2.465	10.8	20.0
5 1	12 3.24	− 4 8.2	1.576	2.446	14.9	20.2

147783 2005 QR_{123} 3 27.9 217°.72 0°.2/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.16	− 4 43.7	2.459	3.267	11.5	21.1
3 2	12 44.12	− 4 15.7	2.371	3.265	8.8	20.9
3 12	12 38.46	− 3 37.5	2.307	3.264	5.6	20.7
3 22	12 31.69	− 2 52.2	2.270	3.262	2.1	20.5
4 1	12 24.46	− 2 4.1	2.263	3.260	1.5	20.4
4 11	12 17.52	− 1 18.2	2.286	3.258	5.1	20.7
4 21	12 11.52	− 0 38.7	2.335	3.256	8.4	20.9
5 1	12 6.99	− 0 9.1	2.410	3.254	11.3	21.1

191775 2004 TQ_{77} 3 27.9 143°.48 2°.1/30.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.87	−12 59.3	2.234	3.012	13.5	20.7
3 2	12 45.56	−12 32.5	2.150	3.019	10.7	20.5
3 12	12 39.44	−11 48.5	2.088	3.027	7.4	20.3
3 22	12 32.08	−10 49.7	2.052	3.033	4.0	20.1
4 1	12 24.24	− 9 40.4	2.045	3.040	2.2	20.0
4 11	12 16.77	− 8 26.8	2.068	3.046	5.0	20.2
4 21	12 10.41	− 7 15.4	2.118	3.052	8.4	20.4
5 1	12 5.73	− 6 12.0	2.194	3.057	11.5	20.6

70294 1999 RT_{125} 3 27.9 51°.48 3°.9/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.45	−13 7.8	1.464	2.264	18.4	18.6
3 2	12 49.21	−13 27.3	1.391	2.271	14.7	18.3
3 12	12 42.22	−13 25.4	1.337	2.278	10.5	18.1
3 22	12 33.24	−13 2.5	1.306	2.285	6.1	17.9
4 1	12 23.44	−12 22.1	1.301	2.293	4.0	17.7
4 11	12 14.22	−11 31.5	1.321	2.301	7.0	17.9
4 21	12 6.75	−10 39.1	1.367	2.309	11.3	18.2
5 1	12 1.85	− 9 52.9	1.434	2.317	15.3	18.5

5765 Izett 3 27.9 16°.49 24°.8/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.40	+55 25.5	1.199	1.940	24.8	15.5
3 2	12 58.24	+57 11.2	1.211	1.950	24.8	15.5
3 12	12 48.12	+58 5.2	1.234	1.962	25.1	15.6
3 22	12 35.23	+57 59.0	1.267	1.976	25.6	15.7
4 1	12 22.42	+56 50.7	1.310	1.991	26.2	15.8
4 11	12 12.14	+54 46.4	1.363	2.008	26.8	15.9
4 21	12 5.63	+51 56.7	1.425	2.027	27.4	16.0
5 1	12 3.16	+48 33.4	1.496	2.047	27.9	16.2

434332 2004 JJ_{56} 3 27.9 250°.48 8°.1/14.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.71	+21 37.2	2.467	3.301	10.7	21.3
3 2	12 43.94	+23 39.9	2.405	3.291	9.0	21.2
3 12	12 38.44	+25 37.0	2.369	3.281	8.1	21.1
3 22	12 31.72	+27 20.1	2.362	3.271	8.4	21.1
4 1	12 24.47	+28 42.0	2.381	3.261	9.7	21.2
4 11	12 17.51	+29 38.1	2.424	3.251	11.6	21.3
4 21	12 11.54	+30 7.1	2.489	3.240	13.5	21.4
5 1	12 7.14	+30 10.1	2.572	3.229	15.2	21.5

237481 2000 GJ_{122} 3 27.9 287°.37 0°.1/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.44	− 6 39.1	2.123	2.934	13.0	21.2
3 2	12 43.99	− 5 55.9	2.017	2.913	10.0	21.0
3 12	12 38.63	− 4 57.3	1.935	2.892	6.5	20.7
3 22	12 31.84	− 3 46.8	1.879	2.871	2.5	20.4
4 1	12 24.36	− 2 30.1	1.852	2.849	1.7	20.3
4 11	12 17.08	− 1 14.0	1.854	2.828	5.9	20.6
4 21	12 10.81	− 0 5.4	1.883	2.807	9.9	20.8
5 1	12 6.23	+ 0 50.2	1.935	2.785	13.4	20.9

148087 1999 CS_{94} 3 27.9 81°.85 2°.8/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.45	+ 2 14.4	1.704	2.537	14.7	19.9
3 2	12 49.27	+ 2 56.5	1.648	2.558	11.0	19.7
3 12	12 41.85	+ 3 45.7	1.615	2.578	6.9	19.5
3 22	12 32.98	+ 4 35.5	1.608	2.598	3.3	19.3
4 1	12 23.69	+ 5 19.2	1.630	2.618	4.1	19.4
4 11	12 15.09	+ 5 50.7	1.678	2.638	7.9	19.7
4 21	12 8.06	+ 6 6.6	1.752	2.657	11.6	20.0
5 1	12 3.20	+ 6 5.5	1.848	2.676	14.8	20.2

471400 2011 SQ_{169} 3 27.9 224°.31 0°.7/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 47.13	− 8 49.0	2.736	3.525	11.0	21.6
3 2	12 43.24	− 8 11.9	2.636	3.518	8.5	21.4
3 12	12 37.87	− 7 22.3	2.561	3.510	5.6	21.2
3 22	12 31.48	− 6 22.8	2.514	3.502	2.4	21.0
4 1	12 24.65	− 5 17.4	2.496	3.494	1.3	20.9
4 11	12 18.03	− 4 11.2	2.509	3.485	4.4	21.1
4 21	12 12.24	− 3 9.0	2.551	3.476	7.6	21.3
5 1	12 7.76	− 2 15.2	2.618	3.467	10.3	21.5

507309 2011 PJ_{11} 3 27.9 237°.22 0°.2/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.34	− 5 55.3	2.356	3.164	12.0	22.1
3 2	12 43.61	− 5 8.0	2.263	3.158	9.1	21.9
3 12	12 38.21	− 4 7.9	2.195	3.152	5.8	21.7
3 22	12 31.63	− 2 58.7	2.154	3.146	2.2	21.4
4 1	12 24.56	− 1 45.7	2.143	3.140	1.6	21.4
4 11	12 17.75	− 0 35.1	2.161	3.133	5.4	21.6
4 21	12 11.91	+ 0 27.6	2.207	3.127	8.8	21.8
5 1	12 7.58	+ 1 18.0	2.277	3.120	11.9	22.0

236168 2005 UF_{461} 3 27.9 342°.37 4°.5/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.83	−14 3.7	1.158	1.980	20.9	20.0
3 2	12 45.69	−14 15.8	1.079	1.972	16.9	19.7
3 12	12 40.41	−13 59.6	1.018	1.965	12.2	19.4
3 22	12 32.68	−13 14.9	0.978	1.959	7.2	19.1
4 1	12 23.80	−12 6.3	0.961	1.954	4.5	19.0
4 11	12 15.40	−10 44.0	0.966	1.950	8.0	19.1
4 21	12 8.95	− 9 20.6	0.994	1.946	13.3	19.4
5 1	12 5.47	− 8 8.0	1.042	1.944	18.1	19.7

172539 2003 UP_{37} 3 27.9 119°.74 2°.7/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.91	−11 21.9	1.731	2.523	16.3	20.2
3 2	12 49.89	−11 27.6	1.654	2.533	12.9	20.0
3 12	12 42.44	−11 15.4	1.599	2.542	8.9	19.7
3 22	12 33.29	−10 46.8	1.568	2.550	4.8	19.5
4 1	12 23.46	−10 5.6	1.565	2.559	2.8	19.4
4 11	12 14.15	− 9 18.2	1.589	2.567	6.2	19.6
4 21	12 6.37	− 8 31.5	1.639	2.575	10.2	19.9
5 1	12 0.86	− 7 51.9	1.713	2.583	13.9	20.1

172136 2002 JP_{56} 3 27.9 328°.26 2°.1/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.50	− 0 28.7	1.271	2.123	17.6	20.2
3 2	12 47.42	− 0 3.0	1.191	2.110	13.4	19.9
3 12	12 41.36	+ 0 36.1	1.131	2.098	8.5	19.6
3 22	12 33.02	+ 1 22.7	1.094	2.087	3.4	19.2
4 1	12 23.61	+ 2 8.4	1.082	2.076	3.9	19.2
4 11	12 14.66	+ 2 44.3	1.094	2.066	9.3	19.5
4 21	12 7.49	+ 3 3.6	1.128	2.057	14.5	19.7
5 1	12 3.09	+ 3 2.4	1.182	2.049	19.0	20.0

483472 2002 NX 3 27.9 228°.79 10°.8/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.41	−29 20.9	1.747	2.425	20.2	23.3
3 2	12 59.04	−30 23.4	1.631	2.406	17.9	23.1
3 12	12 49.11	−30 59.0	1.532	2.386	15.3	22.9
3 22	12 36.16	−31 0.2	1.454	2.363	12.6	22.6
4 1	12 21.37	−30 21.6	1.400	2.338	10.9	22.5
4 11	12 6.49	−29 4.7	1.372	2.311	11.3	22.4
4 21	11 53.28	−27 18.2	1.371	2.282	13.7	22.5
5 1	11 43.12	−25 15.9	1.392	2.251	17.1	22.6

372670 2009 WF_{98} 3 27.9 89°.01 0°.4/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.22	− 5 45.8	1.866	2.677	14.5	21.3
3 2	12 47.64	− 5 31.4	1.789	2.685	11.1	21.1
3 12	12 40.91	− 5 4.1	1.736	2.692	7.2	20.9
3 22	12 32.69	− 4 26.9	1.709	2.699	2.9	20.6
4 1	12 23.91	− 3 45.0	1.709	2.706	1.7	20.5
4 11	12 15.60	− 3 4.4	1.738	2.714	6.0	20.8
4 21	12 8.63	− 2 30.4	1.793	2.721	10.0	21.1
5 1	12 3.67	− 2 7.2	1.871	2.728	13.5	21.3

315433 2007 VM_{295} 3 27.9 152°.22 3°.3/31.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.34	−14 7.7	1.899	2.673	15.7	21.9
3 2	12 49.32	−14 7.2	1.815	2.680	12.6	21.7
3 12	12 42.04	−13 47.5	1.753	2.687	9.0	21.5
3 22	12 33.14	−13 9.6	1.716	2.693	5.2	21.3
4 1	12 23.60	−12 17.1	1.707	2.699	3.3	21.1
4 11	12 14.50	−11 16.4	1.727	2.704	5.9	21.3
4 21	12 6.78	−10 14.5	1.773	2.709	9.6	21.5
5 1	12 1.17	− 9 18.5	1.844	2.712	13.1	21.8

61810 2000 QM_{187} 3 27.9 200°.57 3°.5/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.69	+ 3 45.5	1.867	2.698	13.7	20.1
3 2	12 49.58	+ 4 41.3	1.786	2.694	10.4	19.9
3 12	12 42.21	+ 5 44.4	1.729	2.690	6.7	19.6
3 22	12 33.21	+ 6 48.1	1.699	2.685	3.7	19.4
4 1	12 23.55	+ 7 45.1	1.697	2.680	4.9	19.5
4 11	12 14.30	+ 8 28.6	1.724	2.674	8.5	19.7
4 21	12 6.42	+ 8 54.2	1.775	2.667	12.2	19.9
5 1	12 0.63	+ 9 0.3	1.849	2.660	15.5	20.1

87206 2000 ON_{31} 3 27.9 128°.11 5°.9/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.51	−22 25.3	2.172	2.894	15.5	19.2
3 2	12 48.52	−22 48.9	2.088	2.906	13.0	19.1
3 12	12 41.45	−22 51.3	2.024	2.917	10.3	18.9
3 22	12 32.91	−22 31.3	1.984	2.928	7.6	18.8
4 1	12 23.77	−21 50.4	1.971	2.938	6.0	18.7
4 11	12 15.04	−20 53.3	1.986	2.948	6.6	18.7
4 21	12 7.57	−19 46.6	2.028	2.958	8.9	18.9
5 1	12 2.04	−18 37.7	2.095	2.967	11.6	19.1

272268 2005 QF_{190} 3 27.9 192°.09 0°.6/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.18	− 7 9.3	2.094	2.894	13.5	22.0
3 2	12 47.48	− 6 46.3	2.004	2.893	10.5	21.8
3 12	12 40.78	− 6 9.6	1.939	2.891	6.8	21.6
3 22	12 32.66	− 5 22.1	1.900	2.889	2.8	21.3
4 1	12 23.94	− 4 28.7	1.889	2.887	1.6	21.2
4 11	12 15.55	− 3 35.3	1.908	2.884	5.6	21.5
4 21	12 8.35	− 2 47.5	1.954	2.880	9.5	21.7
5 1	12 2.97	− 2 10.1	2.025	2.876	12.8	21.9

433686 2014 VL_{24} 3 27.9 29°.74 0°.2/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.04	− 6 40.1	1.664	2.484	15.6	21.2
3 2	12 46.29	− 6 5.4	1.585	2.485	12.0	21.0
3 12	12 40.21	− 5 13.8	1.528	2.486	7.7	20.8
3 22	12 32.48	− 4 9.4	1.496	2.487	3.0	20.5
4 1	12 24.07	− 2 59.2	1.491	2.488	1.9	20.4
4 11	12 16.12	− 1 51.3	1.514	2.490	6.7	20.7
4 21	12 9.60	− 0 53.2	1.561	2.491	11.1	20.9
5 1	12 5.23	− 0 10.2	1.631	2.492	14.9	21.2

212320 2005 QG_{108} 3 27.9 309°.15 0°.1/28.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.11	− 5 55.0	2.132	2.946	12.9	20.4
3 2	12 43.67	− 5 23.0	2.037	2.934	9.9	20.2
3 12	12 38.38	− 4 37.7	1.965	2.923	6.4	20.0
3 22	12 31.76	− 3 42.5	1.920	2.911	2.5	19.7
4 1	12 24.54	− 2 42.5	1.903	2.900	1.6	19.6
4 11	12 17.59	− 1 43.9	1.915	2.889	5.7	19.9
4 21	12 11.66	− 0 52.3	1.953	2.879	9.5	20.1
5 1	12 7.41	− 0 12.4	2.015	2.868	12.8	20.3

179008 2001 RD_{40} 3 27.9 170°.64 2°.0/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.61	−10 48.9	2.594	3.369	11.9	20.8
3 2	12 46.68	−10 51.6	2.502	3.371	9.4	20.7
3 12	12 40.10	−10 42.3	2.434	3.373	6.5	20.5
3 22	12 32.37	−10 22.1	2.393	3.375	3.5	20.3
4 1	12 24.16	− 9 53.6	2.382	3.376	2.1	20.2
4 11	12 16.23	− 9 20.8	2.401	3.377	4.5	20.3
4 21	12 9.25	− 8 47.7	2.448	3.378	7.6	20.5
5 1	12 3.77	− 8 18.5	2.521	3.379	10.4	20.7

341400 2007 TD_{158} 3 27.9 111°.99 0°.5/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.47	− 2 7.8	2.224	3.034	12.5	20.6
3 2	12 48.25	− 2 3.6	2.143	3.039	9.5	20.4
3 12	12 41.16	− 1 51.7	2.086	3.044	6.0	20.2
3 22	12 32.78	− 1 34.8	2.057	3.049	2.2	19.9
4 1	12 23.90	− 1 16.7	2.058	3.054	1.8	19.9
4 11	12 15.41	− 1 1.5	2.088	3.059	5.6	20.2
4 21	12 8.08	− 0 52.5	2.145	3.063	9.1	20.4
5 1	12 2.49	− 0 52.4	2.226	3.068	12.2	20.6

512954 2017 NL_{5} 3 27.9 240°.46 7°.3/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.95	+14 22.3	1.982	2.825	12.5	20.9
3 2	12 46.74	+16 8.2	1.908	2.813	10.0	20.7
3 12	12 40.42	+17 54.1	1.858	2.801	7.9	20.5
3 22	12 32.56	+19 30.5	1.836	2.789	7.4	20.5
4 1	12 24.04	+20 48.3	1.841	2.776	9.0	20.5
4 11	12 15.86	+21 41.0	1.872	2.762	11.6	20.7
4 21	12 8.93	+22 6.0	1.925	2.748	14.4	20.8
5 1	12 3.93	+22 3.6	1.998	2.734	16.9	21.0

504371 2007 VB_{60} 3 27.9 218°.13 4°.2/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.60	−20 18.6	2.743	3.469	12.5	21.9
3 2	12 45.24	−20 16.3	2.634	3.461	10.4	21.8
3 12	12 39.24	−19 56.6	2.548	3.452	8.0	21.6
3 22	12 32.07	−19 19.5	2.488	3.442	5.6	21.4
4 1	12 24.37	−18 26.9	2.456	3.432	4.2	21.3
4 11	12 16.86	−17 22.7	2.453	3.422	5.1	21.3
4 21	12 10.24	−16 12.4	2.479	3.411	7.4	21.5
5 1	12 5.06	−15 1.7	2.531	3.400	10.0	21.6

29958 1999 JY_{91} 3 27.9 18°.73 3°.2/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.07	+ 2 29.3	1.853	2.696	13.3	18.2
3 2	12 43.74	+ 3 32.6	1.784	2.699	9.9	18.0
3 12	12 38.43	+ 4 43.8	1.739	2.704	6.3	17.7
3 22	12 31.77	+ 5 56.4	1.720	2.709	3.4	17.6
4 1	12 24.61	+ 7 2.7	1.729	2.714	4.5	17.7
4 11	12 17.89	+ 7 55.9	1.765	2.719	8.0	17.9
4 21	12 12.41	+ 8 31.6	1.826	2.726	11.5	18.1
5 1	12 8.78	+ 8 47.8	1.908	2.732	14.6	18.3

366334 2013 EA_{112} 3 27.9 106°.46 1°.1/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.51	− 7 59.2	1.544	2.355	17.1	22.0
3 2	12 50.48	− 7 42.7	1.477	2.370	13.2	21.8
3 12	12 42.88	− 7 8.5	1.430	2.384	8.7	21.6
3 22	12 33.49	− 6 20.1	1.409	2.398	3.7	21.3
4 1	12 23.47	− 5 23.9	1.414	2.411	2.0	21.2
4 11	12 14.12	− 4 27.7	1.447	2.425	6.7	21.5
4 21	12 6.49	− 3 38.8	1.505	2.437	11.3	21.8
5 1	12 1.31	− 3 2.8	1.586	2.450	15.1	22.1

285772 2000 UE_{82} 3 27.9 165°.88 1°.9/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.44	−12 5.0	2.818	3.589	11.2	20.9
3 2	12 44.17	−11 50.6	2.726	3.592	8.8	20.8
3 12	12 38.45	−11 23.5	2.658	3.595	6.1	20.6
3 22	12 31.74	−10 45.3	2.617	3.598	3.3	20.4
4 1	12 24.63	− 9 59.1	2.606	3.600	1.9	20.3
4 11	12 17.78	− 9 8.9	2.625	3.602	4.1	20.5
4 21	12 11.77	− 8 19.2	2.673	3.604	7.0	20.6
5 1	12 7.08	− 7 34.0	2.746	3.605	9.6	20.8

283596 2001 YR_{33} 3 27.9 132°.73 0°.9/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.79	− 7 59.2	2.636	3.426	11.4	21.2
3 2	12 45.22	− 7 44.3	2.553	3.435	8.8	21.0
3 12	12 39.12	− 7 18.6	2.495	3.443	5.8	20.8
3 22	12 31.99	− 6 44.2	2.464	3.451	2.6	20.6
4 1	12 24.48	− 6 4.7	2.462	3.459	1.3	20.5
4 11	12 17.27	− 5 24.2	2.491	3.467	4.4	20.8
4 21	12 11.00	− 4 46.9	2.548	3.475	7.5	21.0
5 1	12 6.14	− 4 16.2	2.631	3.482	10.2	21.2

457537 2008 WO_{126} 3 27.9 104°.15 2°.5/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.95	−12 21.3	1.646	2.437	17.0	21.9
3 2	12 49.90	−12 3.8	1.579	2.457	13.4	21.7
3 12	12 42.42	−11 25.5	1.533	2.476	9.2	21.5
3 22	12 33.30	−10 29.0	1.512	2.495	4.8	21.3
4 1	12 23.63	− 9 20.1	1.518	2.514	2.6	21.2
4 11	12 14.62	− 8 7.1	1.553	2.531	6.2	21.5
4 21	12 7.26	− 6 58.2	1.613	2.549	10.4	21.7
5 1	12 2.21	− 6 0.3	1.697	2.565	14.1	22.0

464914 2005 TS_{83} 3 27.9 242°.15 1°.1/29.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.58	− 7 50.3	2.146	2.940	13.5	22.5
3 2	12 48.67	− 7 41.1	2.041	2.925	10.5	22.2
3 12	12 41.66	− 7 18.5	1.959	2.909	7.0	22.0
3 22	12 33.07	− 6 44.6	1.904	2.892	3.1	21.7
4 1	12 23.71	− 6 2.9	1.878	2.875	1.7	21.6
4 11	12 14.54	− 5 18.9	1.881	2.857	5.6	21.8
4 21	12 6.48	− 4 38.0	1.911	2.838	9.6	22.0
5 1	12 0.24	− 4 5.2	1.966	2.819	13.1	22.2

173930 2001 VV_{95} 3 27.9 16°.49 6°.0/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 42.08	−26 21.1	1.613	2.357	19.2	18.4
3 2	12 40.42	−25 26.0	1.535	2.367	16.3	18.2
3 12	12 36.52	−23 53.5	1.475	2.378	12.7	18.0
3 22	12 31.08	−21 45.1	1.438	2.391	9.0	17.8
4 1	12 25.12	−19 7.6	1.426	2.405	6.2	17.7
4 11	12 19.71	−16 13.4	1.442	2.420	6.7	17.7
4 21	12 15.75	−13 17.7	1.485	2.436	9.8	17.9
5 1	12 13.84	−10 34.2	1.554	2.453	13.4	18.2

123263 2000 UO_{78} 3 27.9 139°.57 5°.1/ 3.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.29	−21 51.2	2.203	2.933	15.1	20.0
3 2	12 46.05	−21 44.7	2.114	2.941	12.6	19.8
3 12	12 39.87	−21 15.8	2.046	2.948	9.7	19.6
3 22	12 32.34	−20 24.5	2.002	2.955	6.9	19.5
4 1	12 24.26	−19 13.6	1.986	2.961	5.1	19.4
4 11	12 16.57	−17 49.0	1.998	2.968	5.9	19.4
4 21	12 10.06	−16 18.2	2.037	2.973	8.5	19.6
5 1	12 5.36	−14 49.0	2.102	2.979	11.4	19.8

301462 2009 DL_{118} 3 27.9 165°.28 0°.3/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.40	− 6 4.8	2.403	3.206	12.0	21.5
3 2	12 45.12	− 5 43.7	2.317	3.207	9.2	21.3
3 12	12 39.16	− 5 11.6	2.254	3.208	5.9	21.1
3 22	12 32.05	− 4 31.4	2.219	3.210	2.4	20.8
4 1	12 24.47	− 3 47.1	2.213	3.211	1.4	20.7
4 11	12 17.20	− 3 3.5	2.237	3.212	5.0	21.0
4 21	12 10.92	− 2 25.2	2.288	3.212	8.3	21.2
5 1	12 6.17	− 1 55.7	2.364	3.213	11.3	21.4

20167 1996 VX_{4} 3 27.9 208°.82 0°.6/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.12	− 7 13.2	2.081	2.878	13.7	19.3
3 2	12 49.05	− 6 50.0	1.985	2.871	10.6	19.1
3 12	12 41.87	− 6 12.8	1.912	2.864	7.0	18.8
3 22	12 33.14	− 5 24.3	1.867	2.856	2.9	18.5
4 1	12 23.72	− 4 29.2	1.850	2.847	1.6	18.4
4 11	12 14.59	− 3 33.6	1.863	2.838	5.8	18.7
4 21	12 6.65	− 2 43.6	1.903	2.827	9.8	18.9
5 1	12 0.61	− 2 4.1	1.968	2.816	13.3	19.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
385425 2003 DA_{10}			3 27.9 358°.96		7°.4/29.9 17	
	h m	° ′			°	m
2 21	13 12.36	−11 13.6	1.499	2.270	19.3	19.4
3 2	13 4.34	−13 54.7	1.407	2.265	16.0	19.2
3 12	12 52.49	−16 30.8	1.338	2.261	12.1	18.9
3 22	12 37.48	−18 53.5	1.297	2.260	8.6	18.7
4 1	12 20.70	−20 54.3	1.285	2.260	7.5	18.7
4 11	12 4.12	−22 28.5	1.304	2.261	9.9	18.8
4 21	11 49.56	−23 37.3	1.349	2.264	13.7	19.0
5 1	11 38.41	−24 27.2	1.418	2.269	17.3	19.2
51247 2000 JL_{45}			3 27.9 310°.68		0°.5/28.5 18	
2 21	12 48.69	− 6 46.7	2.099	2.907	13.2	19.2
3 2	12 44.85	− 6 21.9	2.010	2.904	10.2	19.0
3 12	12 39.14	− 5 43.6	1.946	2.900	6.6	18.8
3 22	12 32.08	− 4 55.0	1.907	2.897	2.7	18.5
4 1	12 24.46	− 4 1.0	1.897	2.894	1.5	18.4
4 11	12 17.16	− 3 7.5	1.915	2.891	5.5	18.7
4 21	12 10.96	− 2 20.1	1.960	2.888	9.3	18.9
5 1	12 6.48	− 1 43.3	2.029	2.885	12.6	19.1
496318 2013 HT_{43}			3 27.9 272°.29		2°.6/30.2 17	
2 21	12 52.07	−12 6.8	1.712	2.507	16.3	22.0
3 2	12 48.18	−11 56.0	1.604	2.484	13.1	21.8
3 12	12 41.72	−11 24.3	1.516	2.460	9.2	21.5
3 22	12 33.22	−10 32.3	1.452	2.436	4.9	21.2
4 1	12 23.62	− 9 24.1	1.415	2.411	2.8	21.0
4 11	12 14.16	− 8 7.1	1.406	2.386	6.6	21.1
4 21	12 6.00	− 6 50.3	1.423	2.360	11.3	21.3
5 1	12 0.11	− 5 42.3	1.462	2.334	15.7	21.5
3412 Kafka			3 27.9 111°.37		1°.9/29.5 18	
2 21	12 55.39	− 9 48.1	1.489	2.297	17.8	17.0
3 2	12 50.58	− 9 40.2	1.418	2.308	13.9	16.8
3 12	12 43.05	− 9 12.6	1.368	2.318	9.4	16.5
3 22	12 33.62	− 8 27.8	1.342	2.329	4.5	16.3
4 1	12 23.46	− 7 31.7	1.342	2.339	2.4	16.1
4 11	12 13.94	− 6 32.5	1.370	2.349	6.8	16.4
4 21	12 6.18	− 5 38.3	1.422	2.358	11.4	16.7
5 1	12 0.97	− 4 55.7	1.497	2.367	15.5	17.0
82278 2001 KE_{25}			3 27.9 247°.61		3°.4/30.7 18	
2 21	12 53.74	−13 29.9	1.591	2.382	17.5	19.7
3 2	12 49.56	−13 29.2	1.493	2.369	14.2	19.4
3 12	12 42.64	−13 6.1	1.416	2.356	10.1	19.2
3 22	12 33.57	−12 20.9	1.362	2.342	5.7	18.9
4 1	12 23.42	−11 17.3	1.334	2.327	3.5	18.7
4 11	12 13.53	−10 2.8	1.333	2.312	6.9	18.9
4 21	12 5.16	− 8 47.1	1.357	2.297	11.6	19.1
5 1	11 59.27	− 7 39.3	1.404	2.281	16.0	19.3
112353 2002 NB_{13}			3 27.9 294°.50		0°.8/27.4 17	
2 21	12 50.01	− 4 27.2	1.517	2.349	16.3	20.2
3 2	12 46.73	− 3 50.1	1.423	2.331	12.5	19.9
3 12	12 40.81	− 2 55.5	1.350	2.312	8.0	19.6
3 22	12 32.86	− 1 47.9	1.301	2.294	3.0	19.3
4 1	12 23.89	− 0 34.7	1.279	2.275	2.6	19.2
4 11	12 15.20	+ 0 34.4	1.283	2.257	7.9	19.5
4 21	12 7.97	+ 1 31.0	1.311	2.239	12.9	19.7
5 1	12 3.14	+ 2 9.1	1.360	2.221	17.3	19.9
40795 1999 TF_{36}			3 27.9 192°.95		4°.0/23.9 18	
2 21	12 52.75	+ 4 35.4	1.860	2.695	13.6	18.8
3 2	12 48.11	+ 5 44.3	1.783	2.694	10.2	18.6
3 12	12 41.29	+ 7 0.2	1.731	2.693	6.7	18.3
3 22	12 32.92	+ 8 15.9	1.706	2.690	4.1	18.2
4 1	12 23.92	+ 9 23.2	1.709	2.688	5.4	18.3
4 11	12 15.36	+10 14.9	1.739	2.684	8.9	18.4
4 21	12 8.14	+10 47.0	1.795	2.681	12.4	18.7
5 1	12 2.94	+10 57.8	1.872	2.676	15.6	18.9
500890 2013 LS_{4}			3 27.9 318°.27		4°.0/25.1 17	
2 21	12 50.29	+ 2 52.3	1.260	2.119	17.3	21.1
3 2	12 47.41	+ 3 34.7	1.175	2.098	13.2	20.8
3 12	12 41.49	+ 4 28.6	1.111	2.078	8.5	20.5
3 22	12 33.18	+ 5 26.2	1.069	2.059	4.4	20.2
4 1	12 23.68	+ 6 17.6	1.052	2.040	5.7	20.2
4 11	12 14.53	+ 6 52.9	1.059	2.023	10.7	20.4
4 21	12 7.14	+ 7 5.6	1.087	2.006	15.8	20.7
5 1	12 2.56	+ 6 53.1	1.133	1.990	20.4	20.9
227074 2005 JG_{89}			3 27.9 28°.11		0°.4/27.5 18	
2 21	12 46.65	− 3 12.3	2.618	3.431	10.8	19.9
3 2	12 42.86	− 2 51.3	2.540	3.438	8.1	19.8
3 12	12 37.64	− 2 22.3	2.487	3.445	5.1	19.6
3 22	12 31.46	− 1 48.3	2.461	3.453	1.9	19.4
4 1	12 24.92	− 1 13.1	2.465	3.461	1.6	19.4
4 11	12 18.68	− 0 40.7	2.498	3.470	4.8	19.6
4 21	12 13.32	− 0 14.6	2.559	3.478	7.8	19.8
5 1	12 9.31	+ 0 2.7	2.644	3.487	10.4	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
206975 2004 TE_{79}			3 27.9 117°.75		2°.6/25.8 18	
	h m	° ′			°	m
2 21	12 57.62	+ 1 43.0	1.765	2.589	14.7	20.9
3 2	12 51.66	+ 2 23.5	1.704	2.609	11.0	20.7
3 12	12 43.42	+ 3 11.4	1.666	2.628	6.9	20.5
3 22	12 33.68	+ 4 0.7	1.656	2.646	3.1	20.3
4 1	12 23.48	+ 4 44.8	1.674	2.663	3.9	20.4
4 11	12 13.96	+ 5 17.6	1.720	2.680	7.7	20.7
4 21	12 6.03	+ 5 35.5	1.792	2.695	11.5	20.9
5 1	12 0.33	+ 5 37.0	1.887	2.711	14.7	21.2
426276 2012 SL_{23}			3 27.9 79°.61		1°.6/26.4 17	
2 21	12 51.03	+ 0 16.7	2.136	2.960	12.5	21.3
3 2	12 46.50	+ 0 43.1	2.059	2.963	9.4	21.1
3 12	12 40.11	+ 1 16.9	2.005	2.967	5.9	20.9
3 22	12 32.43	+ 1 53.8	1.979	2.970	2.4	20.7
4 1	12 24.27	+ 2 28.8	1.981	2.974	2.8	20.7
4 11	12 16.50	+ 2 57.2	2.012	2.977	6.3	21.0
4 21	12 9.88	+ 3 15.1	2.070	2.980	9.8	21.2
5 1	12 4.99	+ 3 20.3	2.150	2.984	12.8	21.4
334794 2003 SJ_{177}			3 28.0 195°.10		1°.4/26.5 17	
2 21	12 52.05	− 0 22.0	2.338	3.153	11.8	21.5
3 2	12 47.16	+ 0 5.6	2.251	3.151	8.9	21.3
3 12	12 40.50	+ 0 40.6	2.189	3.149	5.6	21.0
3 22	12 32.59	+ 1 19.3	2.155	3.147	2.2	20.8
4 1	12 24.17	+ 1 57.1	2.151	3.144	2.5	20.8
4 11	12 16.07	+ 2 29.2	2.176	3.140	6.0	21.0
4 21	12 9.02	+ 2 52.0	2.228	3.137	9.3	21.2
5 1	12 3.60	+ 3 2.9	2.305	3.133	12.3	21.4
452519 2004 SJ_{53}			3 28.0 149°.79		0°.6/28.6 18	
2 21	12 53.39	− 8 27.3	1.818	2.620	15.2	22.2
3 2	12 48.61	− 7 45.2	1.740	2.629	11.7	22.0
3 12	12 41.60	− 6 45.4	1.685	2.638	7.7	21.8
3 22	12 33.04	− 5 32.2	1.656	2.645	3.2	21.5
4 1	12 23.88	− 4 12.2	1.655	2.652	1.7	21.4
4 11	12 15.23	− 2 53.5	1.683	2.659	6.2	21.7
4 21	12 7.99	− 1 43.6	1.738	2.664	10.4	22.0
5 1	12 2.83	− 0 48.1	1.816	2.669	14.0	22.2
310963 2003 UQ_{119}			3 28.0 104°.50		1°.3/29.2 18	
2 21	12 54.07	− 9 2.4	1.714	2.517	16.0	21.3
3 2	12 49.17	− 8 42.2	1.645	2.533	12.4	21.1
3 12	12 41.95	− 8 4.7	1.598	2.549	8.2	20.9
3 22	12 33.16	− 7 13.3	1.576	2.564	3.7	20.7
4 1	12 23.82	− 6 13.7	1.582	2.579	1.9	20.6
4 11	12 15.07	− 5 13.3	1.616	2.594	6.1	20.9
4 21	12 7.86	− 4 19.2	1.676	2.608	10.3	21.2
5 1	12 2.85	− 3 36.7	1.760	2.622	13.9	21.4
337827 2001 VE_{39}			3 28.0 67°.55		8°.8/ 9.9 17	
2 21	12 48.82	−35 30.2	2.380	3.010	16.4	20.1
3 2	12 45.05	−35 45.4	2.292	3.021	14.7	19.9
3 12	12 39.29	−35 33.4	2.221	3.031	12.7	19.8
3 22	12 32.15	−34 52.1	2.170	3.042	10.8	19.7
4 1	12 24.48	−33 41.6	2.142	3.052	9.3	19.6
4 11	12 17.24	−32 6.4	2.140	3.063	8.8	19.6
4 21	12 11.24	−30 13.4	2.165	3.074	9.5	19.6
5 1	12 7.10	−28 11.8	2.214	3.085	11.2	19.8
72389 2001 CE_{16}			3 28.0 291°.42		3°.5/24.7 18	
2 21	12 50.59	+ 4 7.8	1.893	2.731	13.3	19.5
3 2	12 46.54	+ 4 54.6	1.806	2.718	10.0	19.3
3 12	12 40.35	+ 5 48.1	1.744	2.706	6.5	19.1
3 22	12 32.60	+ 6 42.1	1.707	2.694	3.7	18.9
4 1	12 24.16	+ 7 30.0	1.699	2.682	4.7	18.9
4 11	12 16.05	+ 8 5.2	1.717	2.670	8.3	19.1
4 21	12 9.18	+ 8 23.7	1.761	2.659	12.0	19.3
5 1	12 4.26	+ 8 23.5	1.826	2.647	15.3	19.5
508505 2016 QY_{20}			3 28.0 282°.24		4°.5/ 1.9 17	
2 21	12 49.19	−18 37.1	2.380	3.126	13.7	20.9
3 2	12 45.21	−18 51.4	2.277	3.117	11.3	20.8
3 12	12 39.39	−18 48.2	2.196	3.108	8.7	20.6
3 22	12 32.22	−18 27.2	2.139	3.099	6.0	20.4
4 1	12 24.42	−17 49.8	2.110	3.089	4.5	20.3
4 11	12 16.82	−17 0.2	2.109	3.080	5.6	20.3
4 21	12 10.22	−16 3.8	2.135	3.071	8.2	20.5
5 1	12 5.25	−15 6.8	2.187	3.062	11.1	20.6
115686 2003 UU_{151}			3 28.0 279°.66		4°.4/31.4 17	
2 21	12 52.45	−14 54.9	1.624	2.410	17.4	20.4
3 2	12 48.63	−15 11.6	1.522	2.392	14.3	20.1
3 12	12 42.09	−15 6.8	1.439	2.374	10.5	19.8
3 22	12 33.41	−14 39.6	1.380	2.355	6.5	19.6
4 1	12 23.59	−13 52.1	1.346	2.336	4.4	19.4
4 11	12 13.95	−12 50.5	1.339	2.317	7.1	19.5
4 21	12 5.74	−11 43.3	1.357	2.298	11.4	19.7
5 1	11 59.95	−10 39.9	1.397	2.280	15.7	19.9