246230 2007 RU_{239} 1 31.9 103°.48 3°.6/29.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 23	9 25.60	+22 36.9	1.688	2.471	16.8	20.7
1 2	9 21.74	+23 40.0	1.617	2.484	13.3	20.5
1 12	9 14.87	+24 51.6	1.567	2.497	9.3	20.3
1 22	9 5.59	+26 4.1	1.542	2.509	5.2	20.1
2 1	8 54.97	+27 8.9	1.545	2.522	3.8	20.0
2 11	8 44.43	+27 58.7	1.577	2.534	6.9	20.2
2 21	8 35.30	+28 29.8	1.636	2.546	10.9	20.5
3 2	8 28.63	+28 41.9	1.718	2.557	14.4	20.7

409922 2006 TB_{97} 1 31.9 111°.55 0°.6/31.6 18

12 23	9 23.88	+16 30.5	1.948	2.711	15.5	22.0
1 2	9 19.81	+17 0.7	1.869	2.724	12.3	21.8
1 12	9 13.21	+17 41.5	1.812	2.737	8.6	21.6
1 22	9 4.64	+18 28.8	1.780	2.750	4.3	21.3
2 1	8 54.98	+19 17.2	1.778	2.763	0.7	21.1
2 11	8 45.38	+20 1.2	1.805	2.775	4.7	21.4
2 21	8 36.92	+20 36.7	1.861	2.787	8.7	21.7
3 2	8 30.48	+21 1.5	1.942	2.798	12.3	21.9

461155 2015 TH_{116} 1 31.9 78°.64 0°.2/31.9 16

12 23	9 24.46	+12 0.4	1.536	2.302	18.9	21.5
1 2	9 20.80	+13 5.2	1.472	2.328	15.0	21.3
1 12	9 14.15	+14 29.2	1.429	2.354	10.4	21.1
1 22	9 5.18	+16 6.2	1.411	2.380	5.3	20.9
2 1	8 54.98	+17 47.3	1.420	2.405	0.2	20.5
2 11	8 44.96	+19 22.5	1.459	2.430	5.3	21.0
2 21	8 36.40	+20 44.5	1.525	2.455	10.0	21.3
3 2	8 30.29	+21 49.0	1.616	2.479	14.0	21.6

84672 2002 VG_{84} 1 31.9 93°.77 7°.1/ 5.5 18

12 23	9 23.09	− 1 47.0	1.929	2.621	17.9	19.2
1 2	9 19.08	− 2 37.5	1.849	2.637	15.3	19.1
1 12	9 12.65	− 3 8.2	1.789	2.653	12.4	18.9
1 22	9 4.34	− 3 16.9	1.751	2.669	9.4	18.8
2 1	8 54.99	− 3 2.9	1.739	2.685	7.4	18.7
2 11	8 45.68	− 2 29.0	1.755	2.700	7.5	18.7
2 21	8 37.44	− 1 40.0	1.797	2.715	9.6	18.9
3 2	8 31.10	− 0 42.4	1.865	2.730	12.3	19.1

299448 2006 BE_{45} 1 31.9 177°.77 1°.3/31.3 18

12 23	9 28.23	+19 37.1	1.853	2.617	16.2	21.2
1 2	9 23.57	+19 49.8	1.763	2.619	12.9	21.0
1 12	9 16.03	+20 10.3	1.694	2.620	9.0	20.7
1 22	9 6.18	+20 34.2	1.651	2.621	4.6	20.5
2 1	8 54.99	+20 56.3	1.637	2.621	1.3	20.2
2 11	8 43.78	+21 12.0	1.652	2.621	5.2	20.5
2 21	8 33.83	+21 18.3	1.696	2.620	9.6	20.8
3 2	8 26.15	+21 14.3	1.765	2.618	13.4	21.0

490851 2010 XY_{57} 1 31.9 118°.71 5°.3/28.0 18

12 23	9 25.66	+28 42.4	2.034	2.811	14.5	21.5
1 2	9 21.44	+30 2.3	1.963	2.824	11.6	21.3
1 12	9 14.48	+31 25.0	1.915	2.836	8.4	21.2
1 22	9 5.36	+32 42.6	1.894	2.848	5.9	21.0
2 1	8 55.01	+33 46.9	1.901	2.860	5.6	21.0
2 11	8 44.70	+34 31.8	1.938	2.871	7.8	21.2
2 21	8 35.62	+34 55.2	2.001	2.882	10.7	21.4
3 2	8 28.74	+34 58.1	2.088	2.893	13.5	21.6

468605 2007 VB_{261} 1 31.9 216°.20 3°.5/ 3.6 17

12 23	9 19.69	+ 5 25.5	2.595	3.306	13.3	21.9
1 2	9 15.88	+ 5 4.4	2.490	3.303	11.1	21.8
1 12	9 10.20	+ 4 55.3	2.407	3.299	8.4	21.6
1 22	9 3.04	+ 4 58.3	2.349	3.295	5.6	21.4
2 1	8 55.02	+ 5 12.5	2.321	3.290	3.6	21.3
2 11	8 46.89	+ 5 35.7	2.322	3.286	4.4	21.3
2 21	8 39.45	+ 6 4.9	2.353	3.281	7.0	21.5
3 2	8 33.37	+ 6 36.7	2.410	3.276	9.8	21.6

428381 2007 RX_{283} 1 31.9 80°.30 1°.7/30.9 18

12 23	9 23.56	+21 44.3	2.248	3.013	13.6	21.0
1 2	9 19.22	+21 58.7	2.166	3.024	10.8	20.9
1 12	9 12.61	+22 17.7	2.107	3.034	7.5	20.7
1 22	9 4.27	+22 37.4	2.076	3.045	3.9	20.5
2 1	8 55.02	+22 53.8	2.073	3.055	1.8	20.3
2 11	8 45.85	+23 3.4	2.101	3.066	4.6	20.5
2 21	8 37.73	+23 4.2	2.157	3.076	8.1	20.8
3 2	8 31.41	+22 55.9	2.239	3.087	11.2	21.0

142959 2002 VP_{78} 1 31.9 13°.74 3°.5/29.9 18

12 23	9 19.74	+21 10.3	1.450	2.252	18.1	19.4
1 2	9 17.66	+22 10.5	1.376	2.255	14.4	19.2
1 12	9 12.38	+23 22.5	1.322	2.258	10.0	18.9
1 22	9 4.47	+24 38.8	1.291	2.262	5.5	18.7
2 1	8 55.01	+25 49.8	1.287	2.266	3.7	18.6
2 11	8 45.54	+26 46.7	1.310	2.272	7.3	18.8
2 21	8 37.52	+27 24.3	1.357	2.277	11.8	19.1
3 2	8 32.12	+27 41.3	1.426	2.284	15.8	19.3

422511 2014 TT_5 1 31.9 129°.47 2°.9/29.9 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 23	9 27.20	+23 58.4	2.327	3.087	13.4	22.0
1 2	9 22.03	+24 43.2	2.251	3.105	10.6	21.8
1 12	9 14.53	+25 32.0	2.199	3.123	7.4	21.6
1 22	9 5.25	+26 19.5	2.174	3.139	4.2	21.4
2 1	8 55.02	+27 0.3	2.180	3.155	3.0	21.4
2 11	8 44.88	+27 29.9	2.216	3.171	5.4	21.6
2 21	8 35.83	+27 46.2	2.281	3.185	8.5	21.8
3 2	8 28.66	+27 49.2	2.373	3.199	11.4	22.0

101695 1999 CC_{132} 1 31.9 103°.57 0°.5/ 1.3 18

12 23	9 21.76	+13 7.9	1.893	2.652	16.0	19.8
1 2	9 18.24	+13 34.5	1.810	2.661	12.9	19.6
1 12	9 12.21	+14 14.9	1.747	2.670	9.0	19.4
1 22	9 4.18	+15 5.7	1.711	2.679	4.7	19.1
2 1	8 55.02	+16 1.9	1.702	2.687	0.5	18.8
2 11	8 45.85	+16 57.6	1.723	2.695	4.4	19.1
2 21	8 37.76	+17 47.6	1.772	2.704	8.7	19.4
3 2	8 31.65	+18 28.4	1.846	2.712	12.4	19.6

180954 2005 MU_{22} 2 1.0 252°.05 0°.1/ 1.1 18

1 2	9 19.49	+15 39.1	1.873	2.725	12.4	21.2
1 12	9 13.22	+16 1.7	1.790	2.714	8.8	20.9
1 22	9 4.79	+16 32.5	1.733	2.702	4.6	20.6
2 1	8 55.03	+17 7.2	1.704	2.689	0.1	20.2
2 11	8 45.06	+17 40.9	1.705	2.677	4.6	20.6
2 21	8 36.04	+18 9.4	1.734	2.664	9.0	20.8
3 2	8 28.97	+18 29.9	1.788	2.650	12.9	21.0
3 12	8 24.53	+18 41.2	1.863	2.637	16.2	21.2

182071 2000 GJ_{67} 2 1.0 267°.17 6°.9/27.6 18

1 2	9 23.54	+34 12.5	1.813	2.672	12.5	20.1
1 12	9 16.37	+35 17.9	1.744	2.659	9.6	19.9
1 22	9 6.52	+36 15.0	1.700	2.646	7.3	19.7
2 1	8 55.03	+36 54.8	1.684	2.633	7.2	19.7
2 11	8 43.38	+37 10.9	1.695	2.619	9.4	19.8
2 21	8 33.05	+37 1.6	1.731	2.606	12.5	19.9
3 2	8 25.26	+36 29.2	1.790	2.592	15.5	20.1
3 12	8 20.73	+35 38.6	1.867	2.578	18.2	20.3

437376 2013 WV_1 2 1.0 38°.38 7°.6/25.8 16

1 2	9 18.57	+34 39.9	1.784	2.650	12.3	19.9
1 12	9 12.77	+36 34.8	1.749	2.665	9.5	19.8
1 22	9 4.58	+38 19.6	1.740	2.680	7.7	19.7
2 1	8 55.04	+39 44.2	1.758	2.695	8.0	19.7
2 11	8 45.52	+40 42.0	1.803	2.711	10.0	19.9
2 21	8 37.36	+41 11.2	1.872	2.727	12.6	20.1
3 2	8 31.60	+41 13.8	1.962	2.744	15.1	20.3
3 12	8 28.82	+40 54.7	2.071	2.761	17.2	20.5

376295 2011 FE_{108} 2 1.0 357°.67 1°.7/ 1.9 18

1 2	9 17.21	+12 17.2	1.654	2.508	13.7	20.4
1 12	9 11.68	+12 20.5	1.584	2.506	9.9	20.1
1 22	9 3.99	+12 35.1	1.539	2.505	5.5	19.9
2 1	8 55.04	+12 58.0	1.521	2.504	1.7	19.6
2 11	8 46.03	+13 24.8	1.530	2.504	4.7	19.8
2 21	8 38.12	+13 51.1	1.566	2.504	9.1	20.1
3 2	8 32.30	+14 13.3	1.627	2.505	13.1	20.3
3 12	8 29.18	+14 28.9	1.709	2.506	16.5	20.5

308156 2005 AP_{51} 2 1.0 61°.77 2°.2/31.0 18

1 2	9 22.96	+21 30.4	1.421	2.290	14.6	20.2
1 12	9 15.87	+21 53.4	1.368	2.300	10.2	19.9
1 22	9 6.17	+22 18.6	1.339	2.310	5.3	19.7
2 1	8 55.06	+22 39.5	1.337	2.320	2.2	19.5
2 11	8 44.11	+22 50.7	1.363	2.331	6.2	19.8
2 21	8 34.79	+22 49.6	1.414	2.341	10.9	20.1
3 2	8 28.19	+22 36.1	1.489	2.352	15.0	20.4
3 12	8 24.87	+22 11.8	1.583	2.363	18.3	20.6

206731 2004 BP_{99} 2 1.0 332°.46 0°.8/ 1.6 18

1 2	9 14.33	+12 13.7	2.053	2.902	11.7	20.1
1 12	9 9.43	+13 0.2	1.976	2.897	8.3	19.9
1 22	9 2.77	+13 58.3	1.925	2.892	4.5	19.6
2 1	8 55.05	+15 3.5	1.903	2.888	0.8	19.3
2 11	8 47.20	+16 10.4	1.911	2.884	4.0	19.6
2 21	8 40.16	+17 13.5	1.947	2.880	7.9	19.8
3 2	8 34.75	+18 8.6	2.009	2.876	11.4	20.0
3 12	8 31.54	+18 53.0	2.093	2.873	14.4	20.2

430412 1995 WL_{40} 2 1.0 103°.29 1°.8/ 2.5 17

1 2	9 15.27	+ 9 29.0	2.550	3.379	10.3	21.9
1 12	9 9.67	+ 9 49.2	2.486	3.394	7.5	21.8
1 22	9 2.73	+10 19.1	2.450	3.409	4.4	21.6
2 1	8 55.06	+10 56.0	2.443	3.423	1.9	21.4
2 11	8 47.42	+11 36.6	2.466	3.438	3.4	21.6
2 21	8 40.52	+12 17.4	2.520	3.452	6.4	21.8
3 2	8 34.98	+12 55.3	2.601	3.465	9.2	22.0
3 12	8 31.24	+13 28.0	2.705	3.479	11.7	22.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
459267 2012 FM_{61}			2 1.0 264°.76	3°.2/29.8 17		
	h m	° ′			°	m
1 2	9 20.02	+24 10.0	1.983	2.845	11.4	21.4
1 12	9 13.66	+25 3.4	1.898	2.826	8.1	21.1
1 22	9 5.08	+25 58.5	1.840	2.807	4.6	20.9
2 1	8 55.06	+26 48.7	1.810	2.787	3.3	20.7
2 11	8 44.76	+27 28.0	1.810	2.767	6.2	20.9
2 21	8 35.37	+27 52.4	1.838	2.747	10.0	21.1
3 2	8 27.95	+28 0.9	1.890	2.726	13.5	21.2
3 12	8 23.22	+27 54.4	1.963	2.705	16.5	21.4
215935 2005 KW_{6}			2 1.0 162°.11	1°.3/ 1.9 18		
1 2	9 19.14	+11 30.8	2.245	3.080	11.3	21.5
1 12	9 12.56	+11 53.5	2.174	3.087	8.1	21.3
1 22	9 4.29	+12 25.7	2.130	3.093	4.5	21.1
2 1	8 55.07	+13 4.3	2.115	3.098	1.4	20.9
2 11	8 45.81	+13 45.2	2.131	3.103	3.8	21.1
2 21	8 37.42	+14 24.5	2.176	3.107	7.4	21.3
3 2	8 30.67	+14 59.1	2.249	3.110	10.7	21.5
3 12	8 26.07	+15 27.0	2.345	3.112	13.4	21.7
350661 2001 UM_{7}			2 1.0 59°.98	3°.6/ 2.6 17		
1 2	9 22.75	+ 9 12.5	1.235	2.088	17.5	20.9
1 12	9 15.73	+ 8 58.3	1.191	2.109	12.8	20.7
1 22	9 6.08	+ 9 1.5	1.169	2.131	7.6	20.4
2 1	8 55.09	+ 9 19.4	1.173	2.153	3.7	20.3
2 11	8 44.39	+ 9 46.4	1.202	2.175	6.0	20.5
2 21	8 35.46	+10 17.0	1.258	2.197	10.7	20.8
3 2	8 29.36	+10 45.8	1.336	2.219	15.0	21.1
3 12	8 26.59	+11 9.1	1.433	2.241	18.6	21.4
223647 2004 MK_{7}			2 1.0 180°.10	3°.4/29.1 18		
1 2	9 20.19	+27 21.3	2.603	3.456	9.4	21.6
1 12	9 13.26	+28 16.0	2.537	3.458	6.7	21.4
1 22	9 4.66	+29 8.5	2.498	3.459	4.2	21.3
2 1	8 55.09	+29 53.5	2.491	3.459	3.5	21.2
2 11	8 45.46	+30 26.8	2.514	3.459	5.5	21.3
2 21	8 36.67	+30 46.3	2.566	3.458	8.2	21.5
3 2	8 29.49	+30 51.7	2.645	3.456	10.8	21.7
3 12	8 24.43	+30 44.4	2.745	3.453	13.0	21.8
165880 2001 SF_{143}			2 1.0 47°.27	2°.4/ 2.6 18		
1 2	9 16.14	+ 9 14.8	1.939	2.778	12.7	19.8
1 12	9 10.57	+ 9 23.2	1.883	2.795	9.2	19.6
1 22	9 3.29	+ 9 44.0	1.851	2.811	5.5	19.4
2 1	8 55.09	+10 14.3	1.848	2.828	2.5	19.3
2 11	8 46.98	+10 50.1	1.874	2.845	4.2	19.4
2 21	8 39.87	+11 27.2	1.927	2.863	7.8	19.7
3 2	8 34.53	+12 1.7	2.007	2.881	11.2	19.9
3 12	8 31.44	+12 30.7	2.108	2.899	14.0	20.1
334953 2004 CB_{90}			2 1.0 61°.97	2°.5/ 3.0 18		
1 2	9 14.83	+ 7 9.5	2.077	2.909	12.3	20.0
1 12	9 9.64	+ 7 43.8	2.012	2.919	9.0	19.9
1 22	9 2.83	+ 8 32.6	1.973	2.930	5.5	19.7
2 1	8 55.09	+ 9 32.4	1.961	2.941	2.6	19.5
2 11	8 47.35	+10 38.4	1.980	2.951	4.1	19.6
2 21	8 40.46	+11 44.9	2.027	2.962	7.5	19.8
3 2	8 35.20	+12 47.3	2.101	2.973	10.8	20.1
3 12	8 32.04	+13 41.9	2.197	2.985	13.6	20.3
2954 Delsemme			2 1.0 298°.05	1°.8/ 1.9 18		
1 2	9 18.30	+11 13.7	1.363	2.222	15.8	16.7
1 12	9 13.12	+11 39.3	1.275	2.200	11.5	16.3
1 22	9 5.09	+12 22.9	1.210	2.177	6.5	16.0
2 1	8 55.10	+13 20.2	1.171	2.155	1.9	15.6
2 11	8 44.59	+14 24.4	1.158	2.132	5.6	15.8
2 21	8 35.14	+15 27.3	1.170	2.110	11.2	16.1
3 2	8 28.18	+16 22.5	1.206	2.088	16.3	16.3
3 12	8 24.66	+17 5.4	1.260	2.067	20.7	16.5
309299 2007 RJ_{240}			2 1.0 123°.42	0°.0/ 1.0 18		
1 2	9 21.75	+15 36.5	1.824	2.674	12.8	21.6
1 12	9 14.59	+16 8.1	1.767	2.690	9.0	21.4
1 22	9 5.40	+16 47.2	1.736	2.705	4.6	21.2
2 1	8 55.11	+17 29.0	1.734	2.719	0.0	20.8
2 11	8 44.90	+18 8.0	1.762	2.733	4.5	21.2
2 21	8 35.90	+18 40.3	1.818	2.746	8.7	21.5
3 2	8 29.01	+19 3.5	1.900	2.759	12.4	21.7
3 12	8 24.76	+19 16.9	2.004	2.771	15.4	22.0
123682 2000 YA_{95}			2 1.0 124°.59	1°.6/30.8 18		
1 2	9 18.32	+19 54.9	2.121	2.978	11.0	20.1
1 12	9 12.11	+20 43.5	2.061	2.987	7.6	19.9
1 22	9 4.11	+21 35.8	2.027	2.996	3.9	19.7
2 1	8 55.11	+22 26.5	2.023	3.005	1.7	19.5
2 11	8 46.12	+23 10.3	2.048	3.014	4.7	19.8
2 21	8 38.09	+23 43.9	2.103	3.022	8.3	20.0
3 2	8 31.85	+24 5.7	2.183	3.030	11.5	20.2
3 12	8 27.90	+24 15.6	2.285	3.037	14.2	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
463027 2011 GQ_{74}			2 1.0 203°.81	2°.1/ 2.9 17		
	h m	° ′			°	m
1 2	9 15.23	+ 7 37.7	2.856	3.674	9.7	22.4
1 12	9 9.66	+ 7 58.7	2.769	3.669	7.1	22.3
1 22	9 2.78	+ 8 30.0	2.709	3.663	4.4	22.1
2 1	8 55.11	+ 9 9.5	2.679	3.657	2.2	21.9
2 11	8 47.35	+ 9 54.3	2.681	3.650	3.4	22.0
2 21	8 40.15	+10 41.0	2.713	3.643	6.1	22.2
3 2	8 34.13	+11 26.4	2.773	3.635	8.8	22.3
3 12	8 29.75	+12 7.7	2.858	3.627	11.2	22.5
203075 2000 QP_{46}			2 1.0 108°.25	0°.1/31.9 18		
1 2	9 22.67	+15 46.2	1.676	2.529	13.6	20.9
1 12	9 15.32	+16 17.6	1.625	2.549	9.5	20.7
1 22	9 5.80	+16 56.8	1.598	2.567	4.9	20.5
2 1	8 55.13	+17 38.4	1.600	2.586	0.1	20.1
2 11	8 44.61	+18 16.8	1.632	2.603	4.8	20.6
2 21	8 35.45	+18 47.7	1.691	2.620	9.2	20.8
3 2	8 28.60	+19 8.9	1.776	2.637	13.0	21.1
3 12	8 24.56	+19 19.8	1.881	2.653	16.1	21.4
312119 2007 TY_{202}			2 1.0 108°.00	0°.7/31.6 18		
1 2	9 21.47	+16 49.3	1.739	2.595	13.1	21.7
1 12	9 14.47	+17 33.0	1.687	2.613	9.1	21.5
1 22	9 5.36	+18 23.6	1.661	2.630	4.6	21.3
2 1	8 55.13	+19 15.2	1.663	2.648	0.7	21.0
2 11	8 45.01	+20 1.7	1.694	2.664	4.9	21.4
2 21	8 36.17	+20 38.9	1.754	2.680	9.1	21.7
3 2	8 29.53	+21 4.5	1.839	2.696	12.8	21.9
3 12	8 25.61	+21 18.2	1.944	2.711	15.8	22.2
40252 1998 YE_{6}			2 1.0 343°.18	14°.9/13.4 18		
1 2	9 11.55	−18 32.0	1.200	1.944	24.3	18.4
1 12	9 8.49	−18 35.4	1.123	1.932	21.8	18.1
1 22	9 2.71	−17 45.7	1.059	1.922	19.0	17.9
2 1	8 55.13	−15 55.3	1.012	1.914	16.4	17.7
2 11	8 47.19	−13 5.4	0.986	1.906	15.0	17.6
2 21	8 40.45	− 9 28.0	0.983	1.900	15.5	17.6
3 2	8 36.28	− 5 23.8	1.002	1.895	18.0	17.7
3 12	8 35.56	− 1 16.7	1.044	1.892	21.2	17.9
464942 2005 UG_{401}			2 1.0 356°.92	6°.0/ 4.2 18		
1 2	9 12.82	+ 3 37.1	1.239	2.088	17.7	20.4
1 12	9 9.13	+ 3 20.1	1.173	2.082	13.8	20.1
1 22	9 2.91	+ 3 28.0	1.126	2.077	9.5	19.9
2 1	8 55.14	+ 4 0.4	1.103	2.074	6.3	19.7
2 11	8 47.21	+ 4 52.7	1.104	2.073	7.1	19.7
2 21	8 40.54	+ 5 57.2	1.129	2.073	11.0	19.9
3 2	8 36.31	+ 7 5.1	1.176	2.074	15.4	20.2
3 12	8 35.23	+ 8 8.4	1.241	2.078	19.2	20.4
46319 2001 QP_{74}			2 1.0 82°.76	1°.7/31.0 18		
1 2	9 20.04	+20 5.0	1.753	2.615	12.7	18.5
1 12	9 13.56	+20 41.1	1.696	2.625	8.8	18.2
1 22	9 4.94	+21 21.0	1.665	2.635	4.5	18.0
2 1	8 55.16	+21 58.8	1.661	2.645	1.7	17.8
2 11	8 45.44	+22 29.3	1.687	2.654	5.3	18.1
2 21	8 36.95	+22 48.9	1.740	2.664	9.4	18.4
3 2	8 30.64	+22 56.6	1.818	2.674	13.0	18.6
3 12	8 27.03	+22 52.8	1.916	2.683	16.0	18.8
383663 2007 TX_{138}			2 1.0 60°.54	7°.2/ 6.0 18		
1 2	9 17.20	− 4 12.3	2.097	2.872	14.2	20.6
1 12	9 11.23	− 4 55.0	2.038	2.890	11.6	20.5
1 22	9 3.64	− 5 17.4	2.002	2.908	9.2	20.3
2 1	8 55.16	− 5 18.4	1.993	2.926	7.5	20.3
2 11	8 46.74	− 4 59.6	2.010	2.945	7.5	20.3
2 21	8 39.23	− 4 25.1	2.055	2.963	9.1	20.4
3 2	8 33.38	− 3 40.0	2.125	2.982	11.3	20.6
3 12	8 29.67	− 2 50.1	2.217	3.001	13.6	20.8
95340 2002 CR_{129}			2 1.0 87°.70	0°.5/ 1.3 18		
1 2	9 22.04	+14 19.3	1.497	2.353	14.8	20.0
1 12	9 15.06	+14 48.4	1.447	2.372	10.4	19.7
1 22	9 5.73	+15 28.0	1.422	2.391	5.4	19.5
2 1	8 55.17	+16 12.3	1.424	2.409	0.5	19.2
2 11	8 44.78	+16 55.0	1.455	2.428	5.0	19.6
2 21	8 35.86	+17 31.2	1.512	2.446	9.7	19.9
3 2	8 29.42	+17 57.8	1.594	2.463	13.8	20.2
3 12	8 25.97	+18 13.7	1.696	2.481	17.1	20.4
196282 2003 EX_{31}			2 1.0 259°.75	3°.2/ 2.6 18		
1 2	9 20.65	+ 8 50.5	1.562	2.404	15.1	20.3
1 12	9 14.38	+ 8 47.0	1.479	2.391	11.2	20.0
1 22	9 5.59	+ 8 59.0	1.419	2.378	6.8	19.8
2 1	8 55.17	+ 9 24.4	1.385	2.365	3.3	19.5
2 11	8 44.43	+ 9 59.1	1.380	2.351	5.5	19.6
2 21	8 34.76	+10 37.8	1.401	2.337	10.1	19.8
3 2	8 27.36	+11 15.3	1.447	2.323	14.5	20.0
3 12	8 23.00	+11 47.5	1.513	2.309	18.3	20.3

167057 2003 QC_{85} 2 1.0 126.°30 1.°9/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 21.31	+10 53.5	1.837	2.676	13.3	20.6
1 12	9 14.29	+11 5.0	1.776	2.690	9.6	20.4
1 22	9 5.27	+11 28.0	1.741	2.703	5.4	20.2
2 1	8 55.17	+11 59.1	1.734	2.716	2.0	20.0
2 11	8 45.13	+12 33.9	1.756	2.728	4.4	20.2
2 21	8 36.24	+13 8.1	1.808	2.740	8.5	20.5
3 2	8 29.37	+13 38.1	1.885	2.751	12.1	20.7
3 12	8 25.08	+14 1.6	1.984	2.762	15.2	20.9

260078 2004 JV_{12} 2 1.0 330.°83 14.°2/21.8 18

1 2	9 23.70	+46 13.7	1.312	2.165	16.7	19.4
1 12	9 17.93	+48 14.3	1.258	2.145	14.9	19.2
1 22	9 7.94	+49 52.7	1.225	2.125	14.2	19.1
2 1	8 55.17	+50 53.0	1.214	2.107	15.0	19.1
2 11	8 42.07	+51 5.6	1.224	2.090	17.0	19.1
2 21	8 31.19	+50 30.4	1.252	2.073	19.7	19.3
3 2	8 24.41	+49 14.4	1.296	2.059	22.4	19.4
3 12	8 22.52	+47 28.2	1.354	2.045	24.8	19.6

205843 2002 ED_{34} 2 1.0 233.°73 0.°4/ 1.3 18

1 2	9 19.24	+13 24.4	1.719	2.571	13.4	20.8
1 12	9 13.22	+14 10.3	1.641	2.563	9.5	20.5
1 22	9 4.92	+15 8.8	1.587	2.555	5.0	20.3
2 1	8 55.17	+16 14.7	1.561	2.547	0.4	19.9
2 11	8 45.20	+17 20.9	1.565	2.538	4.8	20.2
2 21	8 36.22	+18 21.3	1.597	2.528	9.4	20.5
3 2	8 29.33	+19 11.2	1.653	2.519	13.6	20.7
3 12	8 25.23	+19 48.5	1.731	2.509	17.0	20.9

403873 2011 WN_{37} 2 1.0 30.°09 0.°5/ 1.3 18

1 2	9 18.90	+14 33.4	1.220	2.092	16.4	20.8
1 12	9 13.30	+14 54.8	1.170	2.101	11.5	20.6
1 22	9 5.00	+15 28.6	1.141	2.111	6.0	20.3
2 1	8 55.18	+16 8.9	1.137	2.122	0.6	19.9
2 11	8 45.47	+16 48.7	1.160	2.134	5.6	20.3
2 21	8 37.38	+17 21.9	1.207	2.147	10.9	20.7
3 2	8 32.06	+17 45.0	1.276	2.160	15.5	21.0
3 12	8 30.08	+17 56.4	1.364	2.174	19.3	21.2

400030 2006 QJ_{96} 2 1.0 102.°48 1.°0/31.3 18

1 2	9 20.12	+15 29.9	1.895	2.746	12.4	21.3
1 12	9 13.46	+16 59.7	1.845	2.769	8.5	21.1
1 22	9 4.85	+18 38.0	1.822	2.792	4.3	20.9
2 1	8 55.18	+20 17.1	1.830	2.814	1.0	20.7
2 11	8 45.57	+21 49.1	1.869	2.836	4.8	21.0
2 21	8 37.07	+23 7.9	1.937	2.857	8.8	21.3
3 2	8 30.56	+24 10.5	2.031	2.878	12.2	21.6
3 12	8 26.56	+24 56.3	2.146	2.898	15.0	21.8

52605 1997 TK_{11} 2 1.0 333.°57 7.°9/28.2 18

1 2	9 25.54	+35 53.7	1.537	2.399	14.1	18.4
1 12	9 18.01	+36 39.1	1.477	2.392	11.0	18.2
1 22	9 7.46	+37 11.6	1.440	2.386	8.5	18.1
2 1	8 55.20	+37 21.8	1.430	2.380	8.1	18.0
2 11	8 43.01	+37 4.2	1.445	2.374	10.3	18.1
2 21	8 32.60	+36 19.2	1.485	2.369	13.6	18.3
3 2	8 25.24	+35 11.6	1.547	2.364	16.9	18.5
3 12	8 21.54	+33 47.9	1.627	2.360	19.7	18.7

306349 2011 SK_{170} 2 1.0 116.°27 0.°9/ 1.6 18

1 2	9 22.00	+12 50.8	1.791	2.635	13.3	22.0
1 12	9 14.77	+13 20.0	1.736	2.654	9.4	21.8
1 22	9 5.52	+13 59.4	1.707	2.673	5.0	21.6
2 1	8 55.20	+14 44.4	1.707	2.691	1.0	21.4
2 11	8 44.98	+15 29.6	1.736	2.709	4.4	21.7
2 21	8 36.00	+16 10.3	1.795	2.726	8.6	21.9
3 2	8 29.14	+16 43.3	1.879	2.742	12.3	22.2
3 12	8 24.92	+17 7.1	1.984	2.757	15.3	22.4

393358 1997 TT_{2} 2 1.0 106.°12 0.°7/31.7 17

1 2	9 23.82	+17 20.5	1.656	2.511	13.7	21.8
1 12	9 16.13	+17 54.4	1.608	2.533	9.5	21.6
1 22	9 6.24	+18 34.4	1.585	2.554	4.8	21.3
2 1	8 55.20	+19 14.7	1.590	2.575	0.7	21.1
2 11	8 44.36	+19 49.6	1.625	2.595	5.0	21.4
2 21	8 34.96	+20 15.2	1.688	2.615	9.4	21.7
3 2	8 27.94	+20 30.2	1.776	2.633	13.2	22.0
3 12	8 23.81	+20 34.4	1.884	2.651	16.2	22.3

428896 2008 UK_{352} 2 1.0 34.°22 3.°3/29.4 18

1 2	9 16.34	+23 36.2	1.979	2.846	11.2	20.4
1 12	9 10.96	+24 52.7	1.921	2.851	7.8	20.2
1 22	9 3.64	+26 10.8	1.890	2.857	4.5	20.1
2 1	8 55.20	+27 23.5	1.887	2.862	3.4	20.0
2 11	8 46.70	+28 24.2	1.914	2.868	6.1	20.2
2 21	8 39.20	+29 9.0	1.968	2.874	9.5	20.4
3 2	8 33.57	+29 36.4	2.046	2.881	12.6	20.6
3 12	8 30.39	+29 47.4	2.145	2.887	15.2	20.8

241790 2001 PN_{40} 2 1.0 90.°81 3.°9/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 16.38	+ 3 11.8	2.438	3.243	11.5	20.3
1 12	9 10.47	+ 3 10.0	2.379	3.264	8.8	20.1
1 22	9 3.20	+ 3 22.0	2.345	3.285	6.0	20.0
2 1	8 55.20	+ 3 46.5	2.340	3.306	4.0	19.9
2 11	8 47.27	+ 4 20.7	2.365	3.326	4.5	20.0
2 21	8 40.14	+ 5 0.8	2.419	3.346	6.9	20.2
3 2	8 34.44	+ 5 43.0	2.500	3.366	9.5	20.4
3 12	8 30.60	+ 6 23.7	2.605	3.386	11.9	20.5

153968 2002 AE_{58} 2 1.0 59.°65 0.°3/ 1.2 18

1 2	9 18.95	+14 18.6	1.613	2.471	13.8	19.8
1 12	9 12.78	+14 57.1	1.568	2.493	9.7	19.6
1 22	9 4.53	+15 45.5	1.546	2.515	5.0	19.4
2 1	8 55.21	+16 38.0	1.553	2.538	0.3	19.0
2 11	8 46.06	+17 28.4	1.588	2.561	4.7	19.4
2 21	8 38.23	+18 11.7	1.650	2.584	9.1	19.8
3 2	8 32.60	+18 44.8	1.737	2.606	12.8	20.0
3 12	8 29.67	+19 6.5	1.845	2.629	15.9	20.3

372673 2009 WS_{116} 2 1.0 132.°41 1.°5/ 2.0 18

1 2	9 18.16	+11 40.0	2.069	2.909	11.9	21.8
1 12	9 12.02	+11 52.5	2.000	2.915	8.6	21.6
1 22	9 4.12	+12 14.7	1.957	2.921	4.8	21.4
2 1	8 55.21	+12 43.9	1.943	2.926	1.6	21.2
2 11	8 46.29	+13 16.1	1.959	2.932	4.0	21.4
2 21	8 38.30	+13 47.4	2.004	2.937	7.7	21.6
3 2	8 32.04	+14 14.9	2.075	2.941	11.2	21.8
3 12	8 28.04	+14 36.3	2.168	2.946	14.0	22.0

19995 1990 VU_{8} 2 1.0 168.°94 0.°0/ 1.0 18

1 2	9 17.03	+14 44.2	2.334	3.179	10.6	18.5
1 12	9 11.16	+15 33.0	2.262	3.183	7.4	18.3
1 22	9 3.67	+16 29.6	2.217	3.185	3.8	18.1
2 1	8 55.23	+17 29.8	2.203	3.188	0.0	17.8
2 11	8 46.70	+18 28.4	2.219	3.190	3.8	18.1
2 21	8 38.96	+19 21.2	2.265	3.191	7.4	18.3
3 2	8 32.75	+20 5.2	2.338	3.193	10.5	18.5
3 12	8 28.60	+20 39.0	2.434	3.193	13.2	18.7

488485 1999 UU_{55} 2 1.0 181.°23 0.°2/31.9 18

1 2	9 20.59	+15 48.8	2.055	2.902	11.7	22.5
1 12	9 13.81	+16 23.9	1.982	2.904	8.2	22.3
1 22	9 5.09	+17 6.4	1.936	2.904	4.2	22.0
2 1	8 55.24	+17 51.6	1.919	2.904	0.2	21.7
2 11	8 45.29	+18 34.5	1.933	2.904	4.3	22.0
2 21	8 36.30	+19 11.1	1.976	2.902	8.3	22.3
3 2	8 29.14	+19 38.8	2.045	2.900	11.8	22.5
3 12	8 24.42	+19 56.6	2.137	2.898	14.8	22.7

90234 2003 BP_{33} 2 1.0 317.°76 3.°1/30.6 18

1 2	9 21.52	+24 18.7	1.513	2.384	13.8	18.7
1 12	9 15.19	+24 34.9	1.434	2.366	9.8	18.4
1 22	9 6.09	+24 50.6	1.379	2.348	5.5	18.1
2 1	8 55.24	+24 59.2	1.350	2.331	3.2	17.9
2 11	8 44.16	+24 55.5	1.349	2.314	6.7	18.1
2 21	8 34.39	+24 37.1	1.374	2.298	11.4	18.3
3 2	8 27.21	+24 4.5	1.422	2.282	15.7	18.5
3 12	8 23.37	+23 20.1	1.488	2.267	19.3	18.7

164199 2004 CP_{80} 2 1.0 40.°45 4.°3/29.7 18

1 2	9 20.98	+28 4.8	1.755	2.622	12.4	18.5
1 12	9 14.17	+28 36.5	1.712	2.639	8.8	18.3
1 22	9 5.24	+29 3.3	1.693	2.656	5.5	18.1
2 1	8 55.24	+29 19.1	1.703	2.674	4.4	18.1
2 11	8 45.49	+29 20.0	1.740	2.692	6.8	18.3
2 21	8 37.17	+29 5.1	1.804	2.711	10.2	18.5
3 2	8 31.17	+28 35.9	1.892	2.730	13.3	18.7
3 12	8 27.96	+27 55.3	2.000	2.750	16.0	19.0

494932 2009 AU_{37} 2 1.0 287.°30 0.°9/31.5 18

1 2	9 18.61	+16 6.0	1.487	2.352	14.3	21.4
1 12	9 13.07	+17 8.9	1.415	2.345	10.0	21.2
1 22	9 4.97	+18 24.0	1.367	2.338	5.1	20.8
2 1	8 55.24	+19 43.9	1.346	2.331	1.0	20.5
2 11	8 45.26	+20 59.6	1.353	2.324	5.7	20.8
2 21	8 36.45	+22 3.8	1.387	2.317	10.7	21.1
3 2	8 30.04	+22 52.0	1.444	2.310	15.2	21.4
3 12	8 26.77	+23 23.0	1.520	2.303	18.8	21.6

494954 2009 RQ_{18} 2 1.0 111.°75 5.°0/ 5.0 18

1 2	9 17.47	+ 0 0.9	2.130	2.925	13.3	21.7
1 12	9 11.44	+ 0 6.7	2.067	2.942	10.4	21.6
1 22	9 3.78	+ 0 31.1	2.027	2.958	7.5	21.4
2 1	8 55.24	+ 1 12.9	2.015	2.974	5.3	21.3
2 11	8 46.72	+ 2 8.1	2.033	2.990	5.6	21.4
2 21	8 39.10	+ 3 11.8	2.079	3.005	7.9	21.5
3 2	8 33.11	+ 4 18.4	2.152	3.020	10.8	21.7
3 12	8 29.24	+ 5 22.6	2.248	3.034	13.4	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
284124 2005 UG_{239}			2 1.0 226.°99	0.°0/ 1.0 18		
	h m	° ′			°	m
1 2	9 21.09	+14 38.9	1.642	2.496	13.8	21.4
1 12	9 14.65	+15 24.6	1.563	2.487	9.8	21.1
1 22	9 5.74	+16 22.3	1.509	2.478	5.1	20.8
2 1	8 55.25	+17 25.9	1.483	2.468	0.0	20.3
2 11	8 44.49	+18 28.3	1.486	2.458	5.1	20.7
2 21	8 34.80	+19 23.1	1.517	2.447	10.0	21.0
3 2	8 27.36	+20 6.3	1.572	2.436	14.3	21.2
3 12	8 22.91	+20 36.0	1.648	2.424	17.9	21.4
261347 2005 UP_{276}			2 1.0 30.°86	1.°7/ 2.0 18		
1 2	9 17.96	+11 48.7	1.663	2.515	13.8	20.5
1 12	9 12.21	+12 0.6	1.598	2.518	9.9	20.3
1 22	9 4.34	+12 24.6	1.557	2.523	5.5	20.0
2 1	8 55.25	+12 57.0	1.544	2.527	1.7	19.8
2 11	8 46.12	+13 33.2	1.558	2.532	4.6	20.0
2 21	8 38.13	+14 8.2	1.600	2.537	9.0	20.2
3 2	8 32.24	+14 38.1	1.666	2.542	12.9	20.5
3 12	8 29.02	+15 0.4	1.753	2.547	16.3	20.7
418878 2008 YB_{22}			2 1.0 293.°49	1.°2/30.9 16		
1 2	9 15.04	+16 52.9	2.183	3.039	10.8	20.9
1 12	9 10.02	+18 12.2	2.099	3.026	7.5	20.7
1 22	9 3.21	+19 40.6	2.042	3.013	3.8	20.4
2 1	8 55.24	+21 12.2	2.016	2.999	1.3	20.2
2 11	8 47.03	+22 40.0	2.019	2.986	4.6	20.4
2 21	8 39.52	+23 58.2	2.053	2.973	8.4	20.6
3 2	8 33.57	+25 2.7	2.112	2.960	11.8	20.8
3 12	8 29.82	+25 52.0	2.193	2.947	14.6	21.0
216256 2006 VU_{147}			2 1.0 176.°43	6.°8/26.3 18		
1 2	9 23.96	+36 51.6	2.262	3.108	10.8	21.1
1 12	9 16.34	+38 18.3	2.209	3.111	8.5	21.0
1 22	9 6.47	+39 35.3	2.182	3.113	7.0	20.9
2 1	8 55.28	+40 34.6	2.185	3.114	7.2	20.9
2 11	8 44.00	+41 11.0	2.215	3.115	8.8	21.0
2 21	8 33.86	+41 23.1	2.273	3.115	11.2	21.1
3 2	8 25.88	+41 12.7	2.353	3.114	13.5	21.3
3 12	8 20.69	+40 44.2	2.452	3.113	15.4	21.5
238083 2003 FT_{98}			2 1.1 236.°17	3.°0/30.2 18		
1 2	9 21.93	+22 19.3	1.685	2.549	13.0	20.5
1 12	9 15.29	+23 20.5	1.609	2.539	9.1	20.3
1 22	9 6.09	+24 25.8	1.559	2.528	5.0	20.0
2 1	8 55.28	+25 27.2	1.538	2.517	3.1	19.9
2 11	8 44.20	+26 17.2	1.545	2.505	6.6	20.0
2 21	8 34.27	+26 50.9	1.579	2.493	10.9	20.3
3 2	8 26.67	+27 6.9	1.637	2.481	14.8	20.5
3 12	8 22.15	+27 6.4	1.714	2.468	18.1	20.7
337706 2001 UE_{8}			2 1.1 113.°74	5.°8/ 6.8 18		
1 2	9 14.85	− 5 41.7	2.728	3.482	11.8	21.3
1 12	9 9.38	− 5 45.2	2.660	3.499	9.7	21.2
1 22	9 2.67	− 5 30.8	2.616	3.515	7.6	21.1
2 1	8 55.27	− 4 58.9	2.599	3.530	6.1	21.0
2 11	8 47.87	− 4 11.8	2.611	3.546	6.0	21.0
2 21	8 41.15	− 3 13.2	2.652	3.561	7.3	21.1
3 2	8 35.67	− 2 7.8	2.721	3.576	9.2	21.3
3 12	8 31.85	− 1 0.6	2.813	3.590	11.2	21.4
503330 2016 BT_{9}			2 1.1 304.°70	5.°8/ 4.9 17		
1 2	9 15.00	+ 0 9.1	1.661	2.476	15.6	21.0
1 12	9 10.41	+ 0 25.9	1.567	2.454	12.4	20.8
1 22	9 3.59	+ 1 8.4	1.494	2.433	8.9	20.5
2 1	8 55.27	+ 2 16.2	1.447	2.412	6.1	20.3
2 11	8 46.55	+ 3 44.7	1.428	2.392	6.5	20.3
2 21	8 38.64	+ 5 26.2	1.435	2.371	9.9	20.4
3 2	8 32.64	+ 7 11.7	1.467	2.351	13.8	20.6
3 12	8 29.35	+ 8 52.3	1.520	2.331	17.5	20.8
424978 2009 BG_{106}			2 1.1 338.°89	0.°2/ 1.2 18		
1 2	9 14.69	+14 35.3	1.936	2.793	11.9	20.5
1 12	9 9.84	+15 11.1	1.860	2.786	8.4	20.3
1 22	9 3.12	+15 56.4	1.810	2.779	4.4	20.0
2 1	8 55.27	+16 47.0	1.787	2.772	0.2	19.6
2 11	8 47.28	+17 37.4	1.793	2.766	4.2	20.0
2 21	8 40.16	+18 22.9	1.827	2.760	8.3	20.2
3 2	8 34.78	+19 0.0	1.886	2.755	12.0	20.4
3 12	8 31.75	+19 26.6	1.967	2.750	15.1	20.6
36841 2000 SM_{113}			2 1.1 192.°56	0.°0/ 1.1 18		
1 2	9 15.36	+15 40.2	2.829	3.673	9.0	20.1
1 12	9 9.80	+16 9.1	2.752	3.671	6.3	19.9
1 22	9 2.92	+16 43.3	2.702	3.670	3.2	19.7
2 1	8 55.27	+17 19.8	2.682	3.667	0.0	19.4
2 11	8 47.56	+17 55.4	2.694	3.665	3.2	19.7
2 21	8 40.46	+18 27.1	2.736	3.662	6.3	19.9
3 2	8 34.61	+18 53.0	2.805	3.659	9.0	20.1
3 12	8 30.45	+19 11.8	2.899	3.655	11.4	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
451650 2012 SE_{16}			2 1.1 37.°44	3.°9/ 2.7 18		
	h m	° ′			°	m
1 2	9 20.83	+ 9 1.2	1.092	1.954	18.6	20.9
1 12	9 14.85	+ 8 45.1	1.041	1.963	13.7	20.6
1 22	9 5.91	+ 8 48.8	1.011	1.974	8.3	20.4
2 1	8 55.29	+ 9 9.7	1.004	1.985	4.1	20.2
2 11	8 44.78	+ 9 42.0	1.023	1.996	6.5	20.3
2 21	8 36.05	+10 18.8	1.065	2.008	11.6	20.7
3 2	8 30.35	+10 53.7	1.128	2.021	16.4	21.0
3 12	8 28.27	+11 22.0	1.210	2.034	20.4	21.3
116606 2004 BB_{110}			2 1.1 187.°99	5.°4/27.7 18		
1 2	9 22.95	+32 49.2	2.359	3.210	10.3	19.7
1 12	9 15.48	+33 57.6	2.297	3.209	7.7	19.5
1 22	9 5.99	+34 59.7	2.262	3.208	5.7	19.4
2 1	8 55.30	+35 48.7	2.256	3.206	5.6	19.3
2 11	8 44.53	+36 19.5	2.280	3.203	7.4	19.5
2 21	8 34.77	+36 30.6	2.332	3.200	10.0	19.6
3 2	8 26.95	+36 22.9	2.408	3.195	12.5	19.8
3 12	8 21.67	+35 59.4	2.505	3.190	14.6	19.9
414479 2009 PK_{9}			2 1.1 42.°27	5.°6/29.7 18		
1 2	9 25.15	+30 49.3	1.502	2.369	14.1	20.3
1 12	9 17.33	+31 14.1	1.460	2.385	10.3	20.1
1 22	9 6.94	+31 29.8	1.443	2.403	6.8	19.9
2 1	8 55.30	+31 29.5	1.453	2.420	5.7	19.9
2 11	8 44.08	+31 9.4	1.489	2.438	8.1	20.1
2 21	8 34.71	+30 30.3	1.552	2.457	11.7	20.3
3 2	8 28.19	+29 35.9	1.637	2.476	15.1	20.6
3 12	8 24.97	+28 30.8	1.742	2.495	17.9	20.8
154304 2002 UG_{32}			2 1.1 71.°49	3.°6/30.3 18		
1 2	9 23.94	+22 47.9	1.247	2.122	15.8	19.8
1 12	9 16.86	+23 45.8	1.204	2.138	11.0	19.5
1 22	9 6.87	+24 45.4	1.185	2.154	6.0	19.3
2 1	8 55.31	+25 37.0	1.191	2.171	3.7	19.2
2 11	8 44.00	+26 12.4	1.224	2.187	7.5	19.5
2 21	8 34.58	+26 28.3	1.281	2.203	12.2	19.8
3 2	8 28.23	+26 25.3	1.361	2.219	16.4	20.1
3 12	8 25.47	+26 6.2	1.459	2.235	19.8	20.4
349593 2008 TG_{61}			2 1.1 307.°27	4.°9/29.7 18		
1 2	9 23.56	+26 30.1	1.339	2.214	15.0	20.8
1 12	9 16.84	+27 19.0	1.276	2.208	10.7	20.5
1 22	9 7.02	+28 6.3	1.236	2.202	6.5	20.3
2 1	8 55.32	+28 42.2	1.221	2.196	5.1	20.2
2 11	8 43.52	+28 59.1	1.233	2.190	8.4	20.3
2 21	8 33.36	+28 54.3	1.270	2.185	12.9	20.6
3 2	8 26.22	+28 29.1	1.329	2.180	17.2	20.8
3 12	8 22.81	+27 47.5	1.405	2.175	20.7	21.0
465736 2009 VL_{32}			2 1.1 36.°22	6.°2/28.4 18		
1 2	9 20.73	+31 3.8	1.587	2.458	13.3	20.6
1 12	9 14.36	+32 8.9	1.544	2.469	9.8	20.4
1 22	9 5.51	+33 6.6	1.526	2.482	6.9	20.3
2 1	8 55.32	+33 48.2	1.534	2.494	6.4	20.3
2 11	8 45.31	+34 7.9	1.569	2.508	8.8	20.5
2 21	8 36.85	+34 4.4	1.629	2.522	12.0	20.7
3 2	8 30.98	+33 40.0	1.711	2.536	15.1	20.9
3 12	8 28.23	+32 59.0	1.811	2.551	17.8	21.2
347426 2012 TZ_{2}			2 1.1 120.°56	3.°3/ 3.1 18 R		
1 2	9 22.67	+ 6 40.6	1.569	2.401	15.5	21.2
1 12	9 15.49	+ 7 2.4	1.513	2.419	11.5	21.0
1 22	9 6.04	+ 7 42.5	1.480	2.436	7.0	20.8
2 1	8 55.34	+ 8 37.0	1.475	2.453	3.5	20.6
2 11	8 44.71	+ 9 39.7	1.498	2.469	5.2	20.8
2 21	8 35.43	+10 43.8	1.549	2.484	9.4	21.0
3 2	8 28.49	+11 43.3	1.625	2.498	13.4	21.3
3 12	8 24.45	+12 34.1	1.723	2.512	16.7	21.6
324442 2006 TY_{50}			2 1.1 29.°53	3.°7/ 3.1 18		
1 2	9 17.07	+ 7 45.1	1.258	2.114	17.1	20.2
1 12	9 11.93	+ 7 48.1	1.210	2.128	12.6	20.0
1 22	9 4.31	+ 8 11.2	1.183	2.143	7.7	19.8
2 1	8 55.34	+ 8 50.9	1.180	2.159	3.9	19.6
2 11	8 46.49	+ 9 40.7	1.203	2.176	5.8	19.7
2 21	8 39.14	+10 33.5	1.251	2.194	10.3	20.1
3 2	8 34.33	+11 22.7	1.322	2.212	14.6	20.3
3 12	8 32.61	+12 3.5	1.412	2.232	18.2	20.6
86656 2000 EH_{184}			2 1.1 135.°45	5.°0/29.1 18		
1 2	9 25.21	+27 42.2	1.671	2.534	13.2	19.7
1 12	9 17.43	+28 54.8	1.621	2.546	9.4	19.5
1 22	9 7.10	+30 3.6	1.597	2.558	6.0	19.3
2 1	8 55.37	+30 59.8	1.601	2.569	5.2	19.3
2 11	8 43.72	+31 36.6	1.633	2.579	7.8	19.5
2 21	8 33.57	+31 51.5	1.692	2.589	11.4	19.7
3 2	8 26.02	+31 46.0	1.775	2.598	14.8	19.9
3 12	8 21.66	+31 23.8	1.877	2.607	17.5	20.2

427123 2014 UK_{99} 2 1.1 135°.76 2°.5/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 18.22	+ 8 36.8	1.973	2.806	12.7	21.6
1 12	9 12.17	+ 8 50.1	1.904	2.812	9.3	21.4
1 22	9 4.29	+ 9 16.6	1.860	2.818	5.6	21.1
2 1	8 55.35	+ 9 53.5	1.844	2.823	2.6	21.0
2 11	8 46.38	+10 36.6	1.857	2.829	4.3	21.1
2 21	8 38.35	+11 21.2	1.900	2.834	8.0	21.3
3 2	8 32.11	+12 3.1	1.968	2.839	11.5	21.5
3 12	8 28.19	+12 39.2	2.059	2.843	14.5	21.8

337669 2001 TJ_{181} 2 1.1 205°.04 3°.0/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.40	+26 47.6	2.695	3.549	9.0	21.2
1 12	9 12.05	+27 25.4	2.623	3.546	6.4	21.0
1 22	9 4.15	+28 1.2	2.579	3.541	3.9	20.9
2 1	8 55.35	+28 30.7	2.565	3.537	3.1	20.8
2 11	8 46.51	+28 50.4	2.582	3.532	5.0	20.9
2 21	8 38.43	+28 58.4	2.627	3.527	7.7	21.1
3 2	8 31.84	+28 54.4	2.699	3.521	10.3	21.2
3 12	8 27.23	+28 39.6	2.794	3.515	12.5	21.4

431503 2007 TQ_{136} 2 1.1 94°.65 0°.1/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.12	+16 37.6	2.344	3.190	10.5	20.8
1 12	9 12.48	+16 44.8	2.287	3.208	7.3	20.7
1 22	9 4.32	+16 56.5	2.257	3.225	3.8	20.5
2 1	8 55.36	+17 9.7	2.256	3.241	0.1	20.2
2 11	8 46.51	+17 21.4	2.287	3.258	3.6	20.5
2 21	8 38.60	+17 29.3	2.347	3.274	7.1	20.7
3 2	8 32.31	+17 32.2	2.434	3.291	10.1	21.0
3 12	8 28.08	+17 29.4	2.544	3.306	12.6	21.2

411360 2010 UC_{88} 2 1.1 92°.01 2°.3/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.04	+22 27.6	1.824	2.683	12.4	21.2
1 12	9 15.52	+23 2.7	1.778	2.705	8.6	21.0
1 22	9 5.96	+23 38.3	1.759	2.727	4.6	20.8
2 1	8 55.37	+24 8.6	1.768	2.749	2.4	20.7
2 11	8 45.01	+24 28.9	1.807	2.770	5.5	20.9
2 21	8 36.01	+24 37.0	1.874	2.791	9.3	21.2
3 2	8 29.23	+24 32.8	1.966	2.812	12.6	21.5
3 12	8 25.17	+24 17.9	2.079	2.832	15.4	21.7

474143 1997 MX_{6} 2 1.1 115°.64 19°.0/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.08	−22 9.2	1.312	2.000	25.1	20.9
1 12	9 18.55	−24 25.7	1.264	2.014	23.0	20.7
1 22	9 7.93	−25 58.1	1.231	2.028	21.0	20.6
2 1	8 55.39	−26 36.6	1.215	2.042	19.6	20.6
2 11	8 42.68	−26 18.3	1.217	2.055	19.0	20.6
2 21	8 31.55	−25 8.9	1.237	2.067	19.4	20.6
3 2	8 23.43	−23 20.6	1.276	2.078	20.6	20.7
3 12	8 19.08	−21 9.3	1.331	2.089	22.2	20.9

327076 2004 VO_{13} 2 1.1 132°.03 1°.9/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.93	+21 45.0	2.670	3.520	9.2	21.7
1 12	9 12.32	+22 45.2	2.615	3.539	6.4	21.5
1 22	9 4.25	+23 46.7	2.589	3.556	3.4	21.4
2 1	8 55.38	+24 44.6	2.594	3.573	2.0	21.3
2 11	8 46.52	+25 34.7	2.630	3.589	4.3	21.5
2 21	8 38.47	+26 14.1	2.697	3.604	7.2	21.7
3 2	8 31.89	+26 41.6	2.791	3.619	9.8	21.9
3 12	8 27.24	+26 57.5	2.908	3.633	12.0	22.0

124076 2001 GG_{3} 2 1.1 101°.70 4°.5/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.12	+17 4.8	1.121	1.995	17.3	18.6
1 12	9 16.93	+20 29.3	1.070	2.006	11.9	18.3
1 22	9 7.28	+24 12.2	1.046	2.016	6.4	18.0
2 1	8 55.40	+27 50.8	1.050	2.027	5.1	18.0
2 11	8 43.19	+31 2.5	1.083	2.037	9.8	18.3
2 21	8 32.68	+33 32.9	1.142	2.047	15.0	18.6
3 2	8 25.50	+35 18.8	1.223	2.056	19.5	18.9
3 12	8 22.48	+36 24.7	1.320	2.065	22.9	19.2

206263 2002 XL_{102} 2 1.1 120°.93 3°.5/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 17.79	+26 36.7	2.401	3.261	9.8	20.5
1 12	9 11.75	+27 38.9	2.345	3.269	6.9	20.3
1 22	9 4.04	+28 39.4	2.316	3.278	4.3	20.2
2 1	8 55.38	+29 32.6	2.316	3.286	3.6	20.2
2 11	8 46.72	+30 13.8	2.347	3.294	5.7	20.3
2 21	8 38.94	+30 40.6	2.406	3.302	8.5	20.5
3 2	8 32.80	+30 52.4	2.490	3.309	11.2	20.7
3 12	8 28.82	+30 50.7	2.595	3.316	13.4	20.9

72997 2002 EF_{15} 2 1.1 208°.72 2°.4/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.44	+ 8 41.8	1.812	2.648	13.6	20.4
1 12	9 13.27	+ 9 7.6	1.733	2.643	10.0	20.2
1 22	9 4.99	+ 9 48.8	1.679	2.639	5.9	19.9
2 1	8 55.39	+10 41.9	1.653	2.634	2.5	19.7
2 11	8 45.61	+11 41.6	1.656	2.628	4.6	19.8
2 21	8 36.78	+12 41.9	1.687	2.622	8.8	20.0
3 2	8 29.89	+13 37.7	1.744	2.615	12.7	20.2
3 12	8 25.62	+14 25.2	1.823	2.608	16.1	20.5

500444 2012 TQ_{173} 2 1.1 186°.66 1°.8/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 16.01	+ 9 51.2	2.630	3.458	10.1	22.1
1 12	9 10.34	+10 2.9	2.550	3.458	7.3	22.0
1 22	9 3.27	+10 23.8	2.498	3.457	4.3	21.8
2 1	8 55.39	+10 51.6	2.475	3.456	1.9	21.6
2 11	8 47.44	+11 23.5	2.483	3.455	3.4	21.7
2 21	8 40.15	+11 56.3	2.521	3.453	6.4	21.9
3 2	8 34.17	+12 27.2	2.587	3.451	9.3	22.1
3 12	8 29.97	+12 53.9	2.677	3.449	11.8	22.2

280955 2006 BY_{217} 2 1.1 331°.70 3°.3/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 16.79	+19 44.8	1.172	2.056	15.9	20.0
1 12	9 12.42	+21 14.3	1.105	2.044	11.1	19.7
1 22	9 4.94	+22 56.0	1.060	2.032	6.0	19.3
2 1	8 55.40	+24 38.4	1.040	2.021	3.5	19.2
2 11	8 45.50	+26 8.6	1.046	2.012	8.0	19.4
2 21	8 37.02	+27 17.2	1.075	2.003	13.4	19.6
3 2	8 31.48	+28 0.0	1.125	1.994	18.3	19.9
3 12	8 29.74	+28 17.7	1.192	1.987	22.3	20.1

283473 2001 QA_{233} 2 1.1 174°.34 0°.5/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.13	+16 57.6	1.904	2.753	12.4	22.4
1 12	9 15.73	+17 30.8	1.835	2.757	8.7	22.2
1 22	9 6.20	+18 10.5	1.791	2.760	4.5	22.0
2 1	8 55.42	+18 51.6	1.777	2.762	0.5	21.7
2 11	8 44.57	+19 28.8	1.793	2.763	4.7	22.0
2 21	8 34.82	+19 58.3	1.839	2.764	8.9	22.2
3 2	8 27.14	+20 17.8	1.910	2.763	12.6	22.5
3 12	8 22.13	+20 27.1	2.002	2.762	15.7	22.7

304079 2006 GQ_{37} 2 1.1 286°.87 4°.3/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.23	+25 19.7	1.484	2.355	14.0	20.5
1 12	9 15.86	+26 12.9	1.409	2.340	10.0	20.2
1 22	9 6.58	+27 6.9	1.357	2.324	5.9	20.0
2 1	8 55.42	+27 53.0	1.332	2.308	4.5	19.8
2 11	8 43.95	+28 23.1	1.335	2.292	7.8	20.0
2 21	8 33.80	+28 33.2	1.363	2.277	12.3	20.2
3 2	8 26.34	+28 23.1	1.413	2.261	16.5	20.4
3 12	8 22.36	+27 55.8	1.481	2.246	20.1	20.6

211623 2003 UN_{112} 2 1.1 112°.36 3°.7/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.54	+24 33.8	1.728	2.592	12.7	20.1
1 12	9 15.44	+25 40.0	1.679	2.607	8.9	19.9
1 22	9 6.06	+26 45.8	1.655	2.621	5.2	19.7
2 1	8 55.42	+27 43.3	1.659	2.635	3.8	19.7
2 11	8 44.87	+28 25.9	1.693	2.648	6.7	19.9
2 21	8 35.67	+28 50.6	1.754	2.661	10.4	20.1
3 2	8 28.83	+28 57.5	1.838	2.673	13.8	20.3
3 12	8 24.89	+28 48.7	1.943	2.686	16.6	20.6

432058 2008 YT_{22} 2 1.1 151°.17 1°.0/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 16.11	+16 7.4	2.485	3.333	9.9	20.7
1 12	9 10.57	+17 36.3	2.414	3.337	6.8	20.5
1 22	9 3.46	+19 13.0	2.372	3.341	3.5	20.3
2 1	8 55.42	+20 51.6	2.360	3.344	1.0	20.1
2 11	8 47.24	+22 25.7	2.382	3.348	4.1	20.4
2 21	8 39.74	+23 50.1	2.433	3.351	7.4	20.6
3 2	8 33.66	+25 1.4	2.513	3.354	10.4	20.8
3 12	8 29.51	+25 58.0	2.616	3.357	12.8	21.0

70431 1999 TD_{3} 2 1.1 15°.96 3°.6/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 16.94	+ 8 14.2	1.223	2.082	17.2	18.2
1 12	9 12.05	+ 8 17.0	1.166	2.086	12.7	18.0
1 22	9 4.52	+ 8 40.1	1.130	2.091	7.8	17.7
2 1	8 55.43	+ 9 20.3	1.117	2.097	3.8	17.5
2 11	8 46.33	+10 11.2	1.130	2.104	5.9	17.6
2 21	8 38.68	+11 5.1	1.168	2.112	10.7	17.9
3 2	8 33.64	+11 55.4	1.228	2.121	15.3	18.2
3 12	8 31.86	+12 36.8	1.307	2.131	19.2	18.5

170774 2004 CL_{78} 2 1.1 37°.83 0°.1/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 17.89	+14 34.0	1.321	2.190	15.5	19.6
1 12	9 12.55	+15 26.4	1.271	2.202	10.9	19.3
1 22	9 4.69	+16 31.6	1.245	2.216	5.6	19.1
2 1	8 55.44	+17 41.9	1.245	2.230	0.1	18.7
2 11	8 46.27	+18 48.8	1.271	2.245	5.5	19.1
2 21	8 38.58	+19 45.2	1.324	2.260	10.5	19.4
3 2	8 33.44	+20 27.2	1.399	2.276	14.8	19.7
3 12	8 31.42	+20 53.4	1.493	2.292	18.4	20.0

68358 2001 NT_{19} 2 1.1 103°.21 5°.6/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.21	+ 1 5.5	1.869	2.674	14.5	19.2
1 12	9 12.89	+ 0 48.0	1.806	2.687	11.4	19.0
1 22	9 4.70	+ 0 49.7	1.766	2.700	8.1	18.9
2 1	8 55.47	+ 1 10.0	1.753	2.713	5.8	18.7
2 11	8 46.24	+ 1 45.9	1.769	2.726	6.2	18.8
2 21	8 38.05	+ 2 32.4	1.811	2.738	8.9	19.0
3 2	8 31.73	+ 3 24.0	1.880	2.750	12.0	19.2
3 12	8 27.83	+ 4 15.1	1.971	2.762	14.8	19.4

164186 2004 BP_{70} 2 1.1 91°.48 1°.3/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 17.17	+18 50.0	2.260	3.115	10.5	20.0
1 12	9 11.30	+19 48.4	2.206	3.132	7.2	19.8
1 22	9 3.82	+20 51.0	2.180	3.149	3.7	19.6
2 1	8 55.46	+21 52.5	2.183	3.166	1.4	19.5
2 11	8 47.14	+22 47.7	2.217	3.183	4.4	19.7
2 21	8 39.72	+23 33.1	2.281	3.200	7.7	20.0
3 2	8 33.93	+24 6.7	2.370	3.216	10.7	20.2
3 12	8 30.25	+24 28.1	2.482	3.233	13.2	20.4

495483 2014 UU_{55} 2 1.1 185°.73 3°.4/ 3.6 18

1 2	9 18.11	+ 5 2.3	2.178	2.994	12.4	21.8
1 12	9 12.06	+ 5 16.3	2.099	2.994	9.3	21.6
1 22	9 4.29	+ 5 45.3	2.045	2.993	6.1	21.4
2 1	8 55.48	+ 6 27.5	2.019	2.992	3.6	21.2
2 11	8 46.56	+ 7 18.9	2.023	2.991	4.5	21.3
2 21	8 38.43	+ 8 14.9	2.057	2.988	7.7	21.5
3 2	8 31.90	+ 9 10.8	2.117	2.986	10.9	21.7
3 12	8 27.51	+10 2.4	2.201	2.983	13.8	21.9

70235 1999 RL_{62} 2 1.1 88°.02 1°.5/31.2 18

1 2	9 22.19	+18 36.1	1.599	2.460	13.7	19.7
1 12	9 15.19	+19 25.6	1.553	2.481	9.5	19.5
1 22	9 5.94	+20 20.5	1.532	2.502	4.8	19.2
2 1	8 55.50	+21 13.9	1.539	2.523	1.5	19.0
2 11	8 45.23	+21 59.4	1.574	2.543	5.4	19.4
2 21	8 36.40	+22 32.6	1.638	2.563	9.8	19.7
3 2	8 29.95	+22 52.1	1.725	2.582	13.5	19.9
3 12	8 26.40	+22 58.5	1.833	2.602	16.6	20.2

354124 2002 AO_{181} 2 1.1 56°.44 2°.9/30.7 18

1 2	9 22.86	+21 23.4	1.227	2.103	16.0	20.2
1 12	9 16.11	+22 17.2	1.189	2.124	11.0	20.0
1 22	9 6.53	+23 14.1	1.173	2.144	5.8	19.8
2 1	8 55.51	+24 4.9	1.183	2.165	3.0	19.7
2 11	8 44.79	+24 41.8	1.220	2.186	7.0	19.9
2 21	8 35.95	+25 1.2	1.281	2.207	11.8	20.3
3 2	8 30.11	+25 2.9	1.365	2.229	16.0	20.6
3 12	8 27.74	+24 49.3	1.466	2.250	19.3	20.9

364600 2007 RG_{203} 2 1.1 94°.19 3°.8/30.2 18

1 2	9 24.34	+25 17.5	1.558	2.424	13.8	20.8
1 12	9 16.87	+25 58.1	1.507	2.436	9.7	20.6
1 22	9 6.87	+26 36.8	1.481	2.447	5.6	20.3
2 1	8 55.51	+27 6.1	1.482	2.459	3.9	20.3
2 11	8 44.32	+27 20.6	1.511	2.470	6.9	20.5
2 21	8 34.70	+27 18.2	1.567	2.481	11.0	20.7
3 2	8 27.72	+27 0.1	1.646	2.492	14.7	21.0
3 12	8 23.93	+26 29.0	1.745	2.503	17.7	21.2

223672 2004 PZ_{60} 2 1.1 119°.24 2°.6/ 3.2 18

1 2	9 17.28	+ 6 53.2	2.175	2.999	12.1	20.8
1 12	9 11.39	+ 7 23.8	2.110	3.012	8.9	20.6
1 22	9 3.89	+ 8 8.2	2.071	3.026	5.4	20.4
2 1	8 55.49	+ 9 3.3	2.060	3.038	2.7	20.3
2 11	8 47.08	+10 4.5	2.080	3.051	4.0	20.4
2 21	8 39.54	+11 6.7	2.129	3.063	7.3	20.6
3 2	8 33.59	+12 5.4	2.206	3.075	10.5	20.8
3 12	8 29.75	+12 57.2	2.306	3.086	13.2	21.0

57547 2001 TV_{21} 2 1.1 342°.08 6°.8/27.3 18

1 2	9 19.92	+31 1.9	1.581	2.453	13.2	18.2
1 12	9 14.14	+32 38.3	1.524	2.449	9.9	18.0
1 22	9 5.65	+34 10.0	1.492	2.446	7.3	17.8
2 1	8 55.50	+35 25.8	1.487	2.443	7.2	17.8
2 11	8 45.20	+36 17.6	1.508	2.440	9.7	18.0
2 21	8 36.26	+36 41.8	1.554	2.438	13.1	18.2
3 2	8 29.93	+36 39.7	1.622	2.436	16.3	18.4
3 12	8 26.89	+36 15.5	1.706	2.434	19.1	18.6

10336 1991 PJ_{12} 2 1.1 67°.68 3°.3/ 3.3 18

1 2	9 17.69	+ 7 0.5	2.068	2.894	12.5	17.9
1 12	9 11.69	+ 6 51.0	2.007	2.909	9.3	17.8
1 22	9 4.04	+ 6 54.4	1.972	2.924	5.9	17.6
2 1	8 55.50	+ 7 9.1	1.964	2.939	3.4	17.4
2 11	8 47.01	+ 7 32.1	1.986	2.954	4.5	17.5
2 21	8 39.47	+ 7 59.7	2.036	2.969	7.6	17.8
3 2	8 33.62	+ 8 28.3	2.113	2.984	10.8	18.0
3 12	8 29.94	+ 8 54.5	2.212	2.999	13.5	18.2

227778 2006 VO_{133} 2 1.1 121°.89 1°.4/31.4 18

1 2	9 25.28	+18 57.9	1.407	2.270	15.1	20.2
1 12	9 17.68	+19 30.2	1.353	2.282	10.5	19.9
1 22	9 7.36	+20 8.3	1.322	2.293	5.4	19.6
2 1	8 55.54	+20 45.2	1.319	2.303	1.4	19.4
2 11	8 43.82	+21 14.2	1.344	2.313	5.9	19.7
2 21	8 33.73	+21 31.4	1.395	2.323	10.9	20.0
3 2	8 26.43	+21 35.8	1.469	2.332	15.2	20.3
3 12	8 22.51	+21 28.2	1.563	2.341	18.6	20.6

74511 1999 FH_8 2 1.1 329°.80 16°.9/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 47.38	+50 2.4	1.017	1.854	21.7	17.9
1 12	9 35.28	+51 2.6	0.973	1.850	19.1	17.7
1 22	9 17.03	+51 23.4	0.945	1.846	17.3	17.6
2 1	8 55.62	+50 45.3	0.938	1.843	17.1	17.6
2 11	8 35.39	+49 2.1	0.952	1.840	18.7	17.7
2 21	8 19.87	+46 25.2	0.985	1.837	21.5	17.8
3 2	8 10.68	+43 14.4	1.037	1.835	24.6	18.0
3 12	8 7.72	+39 49.1	1.103	1.833	27.4	18.3

320821 2008 FO_{26} 2 1.1 273°.55 8°.0/26.5 18

1 2	9 24.83	+37 27.7	1.876	2.728	12.4	20.1
1 12	9 17.54	+38 42.4	1.804	2.710	10.0	19.9
1 22	9 7.44	+39 46.8	1.757	2.690	8.2	19.7
2 1	8 55.55	+40 31.1	1.737	2.671	8.3	19.7
2 11	8 43.38	+40 48.6	1.743	2.651	10.3	19.8
2 21	8 32.51	+40 37.7	1.775	2.631	13.1	19.9
3 2	8 24.24	+40 1.0	1.828	2.611	16.0	20.1
3 12	8 19.33	+39 4.0	1.899	2.591	18.5	20.2

64954 2001 YZ_{127} 2 1.1 193°.49 1°.8/31.0 18

1 2	9 23.57	+20 41.9	1.828	2.684	12.5	19.9
1 12	9 16.22	+21 17.5	1.757	2.683	8.8	19.7
1 22	9 6.57	+21 56.3	1.712	2.681	4.6	19.4
2 1	8 55.55	+22 32.6	1.695	2.678	1.9	19.2
2 11	8 44.43	+23 0.9	1.708	2.674	5.4	19.4
2 21	8 34.46	+23 17.8	1.750	2.670	9.6	19.7
3 2	8 26.68	+23 22.2	1.816	2.665	13.4	19.9
3 12	8 21.75	+23 14.8	1.904	2.659	16.5	20.1

136476 2005 GT_{55} 2 1.1 289°.83 4°.1/ 3.6 17

1 2	9 17.13	+ 4 58.3	2.145	2.963	12.4	19.9
1 12	9 11.46	+ 4 36.7	2.059	2.953	9.5	19.6
1 22	9 4.03	+ 4 28.7	1.998	2.943	6.5	19.4
2 1	8 55.52	+ 4 33.7	1.965	2.933	4.3	19.3
2 11	8 46.86	+ 4 49.8	1.960	2.924	5.1	19.3
2 21	8 38.95	+ 5 13.8	1.984	2.914	8.0	19.5
3 2	8 32.61	+ 5 41.9	2.034	2.905	11.2	19.7
3 12	8 28.44	+ 6 10.2	2.107	2.895	14.1	19.8

38136 1999 JK_{55} 2 1.1 153°.73 0°.4/31.8 18

1 2	9 20.95	+15 50.1	1.843	2.695	12.7	19.5
1 12	9 14.28	+16 38.1	1.778	2.702	8.8	19.3
1 22	9 5.52	+17 34.6	1.739	2.708	4.5	19.1
2 1	8 55.54	+18 33.8	1.729	2.715	0.4	18.7
2 11	8 45.51	+19 29.5	1.749	2.720	4.7	19.1
2 21	8 36.58	+20 16.8	1.798	2.725	8.9	19.4
3 2	8 29.67	+20 52.7	1.872	2.729	12.6	19.6
3 12	8 25.40	+21 16.3	1.967	2.733	15.7	19.8

134357 1994 PU_9 2 1.1 94°.58 0°.9/ 1.7 18

1 2	9 20.71	+13 2.2	1.728	2.577	13.5	20.2
1 12	9 14.05	+13 30.3	1.675	2.595	9.5	20.0
1 22	9 5.34	+14 8.9	1.646	2.613	5.1	19.8
2 1	8 55.54	+14 53.3	1.646	2.631	0.9	19.5
2 11	8 45.85	+15 38.0	1.675	2.648	4.4	19.8
2 21	8 37.38	+16 18.1	1.732	2.665	8.7	20.1
3 2	8 31.03	+16 50.5	1.814	2.682	12.5	20.4
3 12	8 27.33	+17 13.4	1.918	2.698	15.5	20.6

281291 2007 RQ_{149} 2 1.1 101°.91 2°.7/ 3.6 18

1 2	9 15.37	+ 5 4.4	2.386	3.202	11.4	20.7
1 12	9 9.98	+ 5 46.5	2.320	3.217	8.5	20.5
1 22	9 3.15	+ 6 43.0	2.280	3.231	5.4	20.4
2 1	8 55.52	+ 7 50.8	2.270	3.245	2.9	20.2
2 11	8 47.88	+ 9 5.1	2.290	3.259	3.8	20.3
2 21	8 41.00	+10 20.8	2.340	3.273	6.8	20.5
3 2	8 35.53	+11 33.1	2.418	3.287	9.7	20.7
3 12	8 31.93	+12 38.3	2.520	3.300	12.2	20.9

435246 2007 TV_{24} 2 1.1 188°.81 13°.9/11.4 18

1 2	9 23.64	−23 0.7	2.008	2.644	18.7	22.5
1 12	9 16.28	−24 1.1	1.928	2.644	17.2	22.3
1 22	9 6.65	−24 28.3	1.864	2.642	15.6	22.2
2 1	8 55.56	−24 16.6	1.821	2.640	14.4	22.1
2 11	8 44.17	−23 24.8	1.800	2.635	13.9	22.1
2 21	8 33.71	−21 56.6	1.803	2.630	14.3	22.1
3 2	8 25.23	−20 0.4	1.829	2.623	15.6	22.2
3 12	8 19.47	−17 47.3	1.875	2.614	17.3	22.3

283063 2008 QH_{13} 2 1.1 148°.80 0°.1/ 1.2 18

1 2	9 23.12	+15 2.2	1.802	2.650	13.1	22.2
1 12	9 15.77	+15 37.0	1.740	2.661	9.2	21.9
1 22	9 6.27	+16 20.4	1.703	2.671	4.8	21.7
2 1	8 55.56	+17 7.2	1.695	2.680	0.1	21.3
2 11	8 44.85	+17 51.8	1.717	2.689	4.6	21.7
2 21	8 35.32	+18 29.6	1.768	2.697	8.9	22.0
3 2	8 27.94	+18 57.9	1.845	2.703	12.7	22.2
3 12	8 23.29	+19 15.7	1.943	2.709	15.8	22.5

498974 2009 BW_{139} 2 1.1 133°.12 0°.6/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 18.51	+18 45.0	2.438	3.287	10.0	21.3
1 12	9 12.17	+18 56.3	2.369	3.292	7.0	21.1
1 22	9 4.28	+19 10.6	2.328	3.297	3.6	20.9
2 1	8 55.54	+19 24.7	2.317	3.302	0.6	20.6
2 11	8 46.82	+19 35.6	2.337	3.307	3.8	20.9
2 21	8 38.93	+19 41.3	2.386	3.311	7.1	21.1
3 2	8 32.60	+19 40.5	2.462	3.315	10.1	21.3
3 12	8 28.29	+19 33.1	2.561	3.320	12.6	21.5

317172 2001 WC_{72} 2 1.1 132°.95 3°.5/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.30	+24 1.1	1.725	2.586	12.9	21.7
1 12	9 16.73	+25 3.4	1.673	2.600	9.0	21.5
1 22	9 6.80	+26 5.8	1.646	2.613	5.1	21.3
2 1	8 55.58	+27 0.5	1.648	2.625	3.6	21.2
2 11	8 44.42	+27 40.8	1.680	2.637	6.6	21.4
2 21	8 34.65	+28 3.8	1.739	2.648	10.4	21.7
3 2	8 27.28	+28 9.4	1.822	2.658	13.9	21.9
3 12	8 22.90	+28 0.0	1.925	2.667	16.8	22.1

83374 2001 SF_9 2 1.1 122°.40 1°.6/30.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 16.73	+20 31.0	2.506	3.360	9.6	18.8
1 12	9 10.95	+21 23.6	2.445	3.371	6.6	18.6
1 22	9 3.67	+22 18.9	2.412	3.381	3.5	18.4
2 1	8 55.54	+23 12.3	2.409	3.390	1.7	18.3
2 11	8 47.41	+23 59.3	2.437	3.400	4.3	18.5
2 21	8 40.05	+24 36.8	2.494	3.409	7.4	18.7
3 2	8 34.18	+25 3.2	2.578	3.418	10.2	18.9
3 12	8 30.25	+25 18.4	2.684	3.427	12.5	19.1

292208 2006 SX_{36} 2 1.1 144°.30 3°.5/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 15.01	+ 3 34.9	2.666	3.470	10.7	21.1
1 12	9 9.65	+ 3 38.7	2.590	3.476	8.2	20.9
1 22	9 2.97	+ 3 55.4	2.540	3.481	5.6	20.8
2 1	8 55.54	+ 4 23.5	2.519	3.486	3.6	20.7
2 11	8 48.07	+ 5 0.6	2.528	3.491	4.2	20.7
2 21	8 41.25	+ 5 43.2	2.567	3.496	6.5	20.9
3 2	8 35.68	+ 6 27.8	2.633	3.500	9.1	21.0
3 12	8 31.81	+ 7 10.7	2.724	3.504	11.4	21.2

464983 2006 AF_{91} 2 1.1 77°.27 0°.9/ 1.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.26	+14 2.8	1.885	2.734	12.5	21.8
1 12	9 13.04	+14 9.7	1.817	2.737	8.9	21.6
1 22	9 4.87	+14 24.9	1.774	2.741	4.8	21.3
2 1	8 55.57	+14 45.2	1.759	2.744	0.9	21.1
2 11	8 46.24	+15 6.7	1.774	2.747	4.2	21.3
2 21	8 37.95	+15 25.8	1.817	2.750	8.4	21.6
3 2	8 31.58	+15 40.0	1.885	2.753	12.0	21.8
3 12	8 27.69	+15 47.8	1.975	2.756	15.1	22.0

356550 2011 ST_{182} 2 1.1 192°.98 3°.1/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.02	+23 54.0	1.812	2.671	12.5	21.6
1 12	9 16.59	+24 37.4	1.743	2.669	8.8	21.3
1 22	9 6.80	+25 21.1	1.701	2.668	4.9	21.1
2 1	8 55.60	+25 58.5	1.687	2.665	3.2	21.0
2 11	8 44.32	+26 23.9	1.702	2.662	6.2	21.2
2 21	8 34.26	+26 34.4	1.746	2.658	10.1	21.4
3 2	8 26.48	+26 29.7	1.814	2.654	13.8	21.6
3 12	8 21.62	+26 11.8	1.902	2.649	16.8	21.8

57527 2001 SN_{316} 2 1.1 144°.65 0°.7/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.25	+15 26.1	2.047	2.890	11.9	18.8
1 12	9 14.97	+15 20.1	1.978	2.897	8.4	18.6
1 22	9 5.80	+15 19.8	1.937	2.903	4.5	18.3
2 1	8 55.59	+15 22.4	1.924	2.909	0.7	18.1
2 11	8 45.41	+15 25.0	1.942	2.914	4.1	18.3
2 21	8 36.29	+15 25.4	1.990	2.920	8.0	18.6
3 2	8 29.06	+15 22.0	2.064	2.924	11.5	18.8
3 12	8 24.26	+15 14.1	2.160	2.929	14.4	19.0

399542 2003 PF_9 2 1.1 142°.51 0°.4/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.61	+17 29.3	2.122	2.967	11.5	22.1
1 12	9 15.83	+17 49.5	2.061	2.981	8.0	21.9
1 22	9 6.21	+18 14.2	2.027	2.995	4.1	21.7
2 1	8 55.60	+18 39.2	2.023	3.008	0.4	21.4
2 11	8 45.07	+19 0.6	2.050	3.020	4.2	21.7
2 21	8 35.62	+19 15.6	2.107	3.031	8.0	22.0
3 2	8 28.08	+19 23.0	2.191	3.041	11.3	22.2
3 12	8 22.95	+19 22.6	2.297	3.051	14.0	22.4

15209 1979 ML_2 2 1.1 223°.96 0°.1/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 15.66	+15 1.7	2.713	3.556	9.3	18.8
1 12	9 10.22	+15 50.0	2.628	3.547	6.5	18.6
1 22	9 3.33	+16 45.4	2.570	3.538	3.4	18.4
2 1	8 55.57	+17 44.2	2.543	3.528	0.1	18.1
2 11	8 47.65	+18 42.0	2.547	3.518	3.4	18.4
2 21	8 40.33	+19 35.1	2.582	3.507	6.6	18.6
3 2	8 34.26	+20 20.6	2.645	3.497	9.6	18.8
3 12	8 29.96	+20 56.9	2.731	3.485	12.0	18.9

689 Zita 2 1.1 114°.75 2°.0/ 2.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 21.88	+ 9 23.5	1.729	2.565	14.1	16.2
1 12	9 14.87	+ 9 57.9	1.674	2.585	10.2	16.0
1 22	9 5.79	+10 46.7	1.644	2.605	5.8	15.8
2 1	8 55.60	+11 45.1	1.642	2.624	2.1	15.6
2 11	8 45.49	+12 47.2	1.669	2.642	4.5	15.8
2 21	8 36.61	+13 46.8	1.726	2.660	8.7	16.1
3 2	8 29.87	+14 39.4	1.808	2.677	12.5	16.3
3 12	8 25.79	+15 22.2	1.912	2.693	15.6	16.6

496182 2011 CZ_{115} 2 1.1 132°.49 1°.2/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.07	+12 55.6	2.039	2.883	12.0	22.2
1 12	9 12.79	+13 3.2	1.970	2.887	8.5	22.0
1 22	9 4.71	+13 19.4	1.927	2.892	4.7	21.7
2 1	8 55.59	+13 41.4	1.912	2.896	1.3	21.5
2 11	8 46.45	+14 5.4	1.928	2.900	4.0	21.7
2 21	8 38.26	+14 28.1	1.972	2.904	7.9	21.9
3 2	8 31.84	+14 46.8	2.042	2.908	11.3	22.2
3 12	8 27.74	+14 59.6	2.134	2.912	14.2	22.4

109753 2001 RV_{69} 2 1.1 176°.62 2°.9/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 15.23	+ 4 47.8	2.944	3.750	9.7	20.7
1 12	9 9.73	+ 4 57.9	2.863	3.751	7.4	20.5
1 22	9 3.01	+ 5 19.0	2.809	3.753	4.9	20.3
2 1	8 55.57	+ 5 49.9	2.784	3.754	3.0	20.2
2 11	8 48.07	+ 6 28.0	2.790	3.755	3.7	20.2
2 21	8 41.15	+ 7 10.2	2.826	3.755	6.0	20.4
3 2	8 35.36	+ 7 53.3	2.891	3.755	8.5	20.6
3 12	8 31.14	+ 8 34.3	2.980	3.754	10.7	20.7

312517 2009 DD_{21} 2 1.1 233°.42 0°.4/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.73	+14 13.7	1.859	2.707	12.7	21.8
1 12	9 14.29	+14 43.1	1.775	2.696	9.1	21.5
1 22	9 5.64	+15 22.6	1.716	2.684	4.8	21.2
2 1	8 55.60	+16 7.7	1.686	2.672	0.5	20.9
2 11	8 45.31	+16 53.0	1.686	2.659	4.5	21.2
2 21	8 35.94	+17 33.7	1.714	2.645	9.0	21.4
3 2	8 28.53	+18 6.3	1.768	2.631	13.0	21.6
3 12	8 23.79	+18 28.9	1.843	2.617	16.3	21.8

163353 2002 NN_{43} 2 1.1 167°.96 2°.2/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.59	+23 49.4	2.713	3.565	9.0	20.9
1 12	9 12.20	+24 30.7	2.646	3.570	6.3	20.8
1 22	9 4.32	+25 11.9	2.607	3.574	3.5	20.6
2 1	8 55.59	+25 48.8	2.599	3.577	2.3	20.5
2 11	8 46.84	+26 17.9	2.622	3.580	4.5	20.7
2 21	8 38.85	+26 36.8	2.675	3.582	7.3	20.8
3 2	8 32.30	+26 44.9	2.755	3.584	9.9	21.0
3 12	8 27.68	+26 42.7	2.857	3.585	12.1	21.2

319439 2006 KN_4 2 1.1 262°.67 0°.6/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 13.17	+18 14.6	3.277	4.125	7.8	21.2
1 12	9 8.29	+18 42.6	3.192	4.115	5.4	21.0
1 22	9 2.27	+19 13.9	3.135	4.104	2.7	20.8
2 1	8 55.58	+19 45.8	3.109	4.094	0.6	20.6
2 11	8 48.79	+20 15.6	3.114	4.083	3.0	20.8
2 21	8 42.51	+20 41.0	3.150	4.072	5.7	21.0
3 2	8 37.25	+21 0.4	3.213	4.061	8.1	21.1
3 12	8 33.43	+21 12.9	3.300	4.051	10.2	21.3

207414 2006 DG_{27} 2 1.1 221°.72 1°.2/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.22	+18 46.3	1.922	2.775	12.2	21.5
1 12	9 15.30	+19 23.2	1.841	2.765	8.5	21.2
1 22	9 6.15	+20 5.7	1.786	2.755	4.4	20.9
2 1	8 55.62	+20 48.3	1.760	2.744	1.2	20.7
2 11	8 44.88	+21 25.6	1.764	2.733	5.0	20.9
2 21	8 35.10	+21 53.4	1.797	2.720	9.2	21.2
3 2	8 27.34	+22 9.9	1.856	2.707	13.0	21.4
3 12	8 22.26	+22 14.8	1.936	2.694	16.2	21.6

373377 2012 LR_{26} 2 1.1 158°.05 3°.1/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 16.46	+ 3 27.0	2.370	3.177	11.7	21.0
1 12	9 10.83	+ 4 15.8	2.293	3.183	8.9	20.8
1 22	9 3.67	+ 5 21.1	2.241	3.188	5.8	20.6
2 1	8 55.60	+ 6 39.9	2.219	3.193	3.3	20.5
2 11	8 47.45	+ 8 7.0	2.229	3.197	4.1	20.5
2 21	8 40.01	+ 9 36.7	2.268	3.201	7.0	20.7
3 2	8 34.00	+11 3.4	2.337	3.204	10.0	20.9
3 12	8 29.92	+12 22.6	2.429	3.208	12.7	21.1

141572 2002 GB_{128} 2 1.1 96°.37 4°.7/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.57	+ 2 40.3	1.688	2.504	15.4	19.7
1 12	9 13.96	+ 2 54.3	1.635	2.527	11.7	19.5
1 22	9 5.33	+ 3 29.0	1.604	2.549	7.9	19.3
2 1	8 55.62	+ 4 21.6	1.601	2.571	5.0	19.2
2 11	8 46.02	+ 5 26.8	1.626	2.592	5.7	19.3
2 21	8 37.63	+ 6 37.6	1.679	2.613	8.9	19.5
3 2	8 31.35	+ 7 47.5	1.758	2.633	12.4	19.8
3 12	8 27.68	+ 8 51.1	1.859	2.652	15.5	20.0

390250 2012 XW_{94} 2 1.1 67°.23 0°.1/ 1.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 15.12	+15 51.6	2.454	3.304	10.0	21.2
1 12	9 9.85	+16 24.9	2.388	3.311	6.9	21.0
1 22	9 3.13	+17 4.3	2.349	3.318	3.6	20.8
2 1	8 55.60	+17 45.9	2.340	3.325	0.1	20.5
2 11	8 48.04	+18 26.0	2.361	3.332	3.5	20.8
2 21	8 41.24	+19 1.2	2.411	3.339	6.9	21.0
3 2	8 35.85	+19 29.2	2.488	3.347	9.8	21.2
3 12	8 32.35	+19 48.8	2.588	3.354	12.3	21.4

45390 2000 AW_{128} 2 1.1 187°.26 0°.5/31.8 18

1 2	9 20.21	+18 44.0	2.114	2.966	11.2	18.0
1 12	9 13.58	+18 47.2	2.042	2.966	7.8	17.8
1 22	9 5.12	+18 53.7	1.997	2.966	4.0	17.5
2 1	8 55.62	+19 0.0	1.981	2.966	0.5	17.2
2 11	8 46.11	+19 3.0	1.995	2.966	4.2	17.5
2 21	8 37.57	+19 0.7	2.038	2.966	8.0	17.8
3 2	8 30.83	+18 52.1	2.108	2.965	11.4	18.0
3 12	8 26.44	+18 36.9	2.199	2.965	14.2	18.2

344469 2002 OA_{37} 2 1.1 170°.56 0°.1/ 1.1 17

1 2	9 17.66	+16 5.3	2.424	3.270	10.2	22.0
1 12	9 11.65	+16 31.6	2.352	3.272	7.1	21.8
1 22	9 4.08	+17 3.6	2.306	3.275	3.7	21.5
2 1	8 55.61	+17 37.8	2.291	3.276	0.1	21.2
2 11	8 47.10	+18 10.4	2.306	3.278	3.6	21.5
2 21	8 39.36	+18 38.3	2.352	3.279	7.1	21.8
3 2	8 33.11	+18 59.4	2.424	3.279	10.2	22.0
3 12	8 28.86	+19 12.7	2.518	3.280	12.8	22.1

240744 2005 JL_{103} 2 1.1 35°.73 8°.2/ 8.2 18

1 2	9 14.18	− 9 16.2	2.119	2.868	14.9	20.3
1 12	9 9.38	− 9 27.5	2.046	2.873	12.6	20.2
1 22	9 2.96	− 9 13.6	1.994	2.879	10.3	20.1
2 1	8 55.60	− 8 34.0	1.967	2.885	8.6	20.0
2 11	8 48.16	− 7 30.9	1.966	2.891	8.2	19.9
2 21	8 41.52	− 6 9.6	1.991	2.898	9.4	20.0
3 2	8 36.41	− 4 37.1	2.042	2.904	11.5	20.2
3 12	8 33.37	− 3 1.1	2.117	2.911	13.8	20.3

280211 2002 TB_{261} 2 1.1 133°.16 4°.4/ 3.9 18

1 2	9 21.39	+ 3 51.9	1.620	2.442	15.6	20.6
1 12	9 14.72	+ 4 6.6	1.557	2.454	11.9	20.4
1 22	9 5.82	+ 4 42.0	1.517	2.465	7.8	20.2
2 1	8 55.64	+ 5 35.5	1.504	2.476	4.7	20.1
2 11	8 45.44	+ 6 41.4	1.519	2.487	5.7	20.1
2 21	8 36.44	+ 7 52.7	1.562	2.496	9.4	20.4
3 2	8 29.64	+ 9 2.5	1.630	2.505	13.2	20.6
3 12	8 25.65	+10 5.4	1.720	2.514	16.5	20.9

111758 2002 CR_{125} 2 1.1 252°.97 2°.3/ 2.4 18

1 2	9 20.01	+ 9 55.2	1.704	2.546	14.0	20.0
1 12	9 13.94	+10 10.7	1.619	2.533	10.3	19.7
1 22	9 5.54	+10 40.7	1.557	2.519	6.0	19.4
2 1	8 55.65	+11 22.3	1.523	2.505	2.4	19.2
2 11	8 45.44	+12 10.4	1.518	2.491	4.8	19.3
2 21	8 36.19	+12 59.4	1.541	2.477	9.4	19.5
3 2	8 28.99	+13 44.3	1.589	2.462	13.6	19.7
3 12	8 24.60	+14 21.5	1.657	2.447	17.2	19.9

75917 2000 CZ_{60} 2 1.1 296°.22 3°.4/ 2.9 18

1 2	9 18.66	+ 8 23.7	1.623	2.464	14.6	19.2
1 12	9 13.09	+ 8 17.5	1.535	2.447	10.9	19.0
1 22	9 5.15	+ 8 26.7	1.471	2.429	6.8	18.7
2 1	8 55.64	+ 8 49.7	1.433	2.412	3.5	18.4
2 11	8 45.80	+ 9 22.6	1.423	2.395	5.3	18.5
2 21	8 36.90	+10 0.6	1.440	2.378	9.7	18.7
3 2	8 30.10	+10 38.5	1.481	2.361	14.0	18.9
3 12	8 26.16	+11 11.8	1.542	2.344	17.8	19.1

340568 2006 KS_{108} 2 1.1 181°.07 0°.7/31.6 17

1 2	9 17.42	+18 9.6	2.742	3.588	9.2	22.3
1 12	9 11.37	+18 40.5	2.667	3.589	6.4	22.1
1 22	9 3.91	+19 15.1	2.621	3.589	3.2	21.9
2 1	8 55.63	+19 50.1	2.605	3.589	0.7	21.7
2 11	8 47.30	+20 21.9	2.620	3.589	3.5	21.9
2 21	8 39.65	+20 48.0	2.666	3.588	6.6	22.1
3 2	8 33.34	+21 6.6	2.739	3.586	9.4	22.3
3 12	8 28.83	+21 17.1	2.836	3.584	11.8	22.5

459838 2013 TP 2 1.1 192°.50 4°.1/ 4.1 16

1 2	9 18.77	+ 3 1.9	2.519	3.317	11.4	22.1
1 12	9 12.39	+ 2 48.4	2.435	3.315	8.8	21.9
1 22	9 4.47	+ 2 47.9	2.376	3.313	6.2	21.8
2 1	8 55.65	+ 3 0.2	2.346	3.310	4.2	21.6
2 11	8 46.71	+ 3 23.1	2.347	3.306	4.8	21.7
2 21	8 38.46	+ 3 53.5	2.377	3.301	7.2	21.8
3 2	8 31.60	+ 4 28.0	2.435	3.296	9.9	22.0
3 12	8 26.64	+ 5 2.8	2.517	3.291	12.4	22.1

88948 2001 TU_{37} 2 1.1 158°.90 3°.4/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.86	+24 33.9	1.730	2.590	12.9	19.4
1 12	9 17.20	+25 18.7	1.670	2.596	9.1	19.2
1 22	9 7.13	+26 2.9	1.635	2.601	5.2	19.0
2 1	8 55.68	+26 39.3	1.629	2.606	3.5	18.9
2 11	8 44.25	+27 2.3	1.652	2.610	6.5	19.1
2 21	8 34.18	+27 9.2	1.702	2.613	10.4	19.3
3 2	8 26.54	+27 0.5	1.777	2.616	14.0	19.5
3 12	8 21.92	+26 38.5	1.871	2.619	17.0	19.8

298771 2004 NE_{18} 2 1.1 189°.47 2°.0/ 2.4 18

1 2	9 21.77	+10 3.4	1.947	2.779	12.9	22.2
1 12	9 14.86	+10 22.8	1.869	2.779	9.4	22.0
1 22	9 5.89	+10 54.8	1.816	2.777	5.4	21.8
2 1	8 55.69	+11 35.9	1.793	2.775	2.1	21.5
2 11	8 45.34	+12 21.7	1.800	2.772	4.3	21.7
2 21	8 35.94	+13 7.2	1.835	2.767	8.4	21.9
3 2	8 28.44	+13 48.4	1.898	2.763	12.1	22.1
3 12	8 23.45	+14 22.5	1.982	2.757	15.3	22.3

309247 2007 RQ_{32} 2 1.1 156°.40 1°.2/31.3 18

1 2	9 22.14	+18 31.6	1.972	2.824	11.9	21.2
1 12	9 15.06	+19 17.8	1.908	2.832	8.3	20.9
1 22	9 5.95	+20 9.1	1.871	2.840	4.2	20.7
2 1	8 55.69	+20 59.9	1.863	2.847	1.3	20.5
2 11	8 45.41	+21 44.6	1.886	2.853	4.8	20.8
2 21	8 36.19	+22 19.3	1.937	2.859	8.7	21.0
3 2	8 28.96	+22 42.2	2.015	2.863	12.2	21.2
3 12	8 24.28	+22 53.2	2.113	2.867	15.1	21.4

368582 2004 PD_{105} 2 1.1 117°.12 4°.6/ 4.1 18

1 2	9 19.36	+ 3 11.4	2.138	2.945	12.9	20.7
1 12	9 12.89	+ 2 51.0	2.072	2.957	9.9	20.5
1 22	9 4.75	+ 2 45.7	2.031	2.969	6.9	20.3
2 1	8 55.68	+ 2 54.8	2.017	2.981	4.7	20.2
2 11	8 46.62	+ 3 16.1	2.033	2.993	5.3	20.3
2 21	8 38.47	+ 3 45.8	2.077	3.004	7.9	20.4
3 2	8 31.98	+ 4 19.8	2.148	3.015	10.9	20.6
3 12	8 27.67	+ 4 54.0	2.242	3.025	13.5	20.8

336736 2010 EK_{45} 2 1.1 82°.69 0°.5/31.8 18

1 2	9 17.13	+16 39.7	2.154	3.007	11.0	20.6
1 12	9 11.40	+17 20.4	2.095	3.019	7.7	20.5
1 22	9 4.00	+18 7.2	2.062	3.032	3.9	20.2
2 1	8 55.69	+18 55.6	2.059	3.044	0.5	20.0
2 11	8 47.39	+19 40.6	2.085	3.056	4.0	20.3
2 21	8 40.00	+20 18.7	2.141	3.068	7.7	20.5
3 2	8 34.28	+20 47.5	2.223	3.080	10.9	20.8
3 12	8 30.72	+21 6.1	2.326	3.092	13.6	21.0

210190 2006 WU_{69} 2 1.1 263°.04 0°.8/ 1.8 17

1 2	9 16.40	+13 30.2	2.449	3.291	10.3	20.9
1 12	9 10.84	+13 42.7	2.364	3.281	7.3	20.7
1 22	9 3.73	+14 2.5	2.307	3.272	4.0	20.5
2 1	8 55.69	+14 26.9	2.278	3.262	0.9	20.2
2 11	8 47.52	+14 52.8	2.280	3.253	3.5	20.4
2 21	8 40.04	+15 17.3	2.312	3.243	6.9	20.6
3 2	8 33.98	+15 37.7	2.370	3.233	10.1	20.8
3 12	8 29.84	+15 52.5	2.451	3.224	12.8	20.9

179988 2002 XQ_{66} 2 1.1 157°.36 1°.4/ 2.1 18

1 2	9 20.24	+11 28.0	2.316	3.147	11.2	20.9
1 12	9 13.46	+11 44.8	2.246	3.156	8.0	20.7
1 22	9 5.05	+12 10.7	2.202	3.164	4.5	20.5
2 1	8 55.71	+12 42.7	2.188	3.171	1.5	20.3
2 11	8 46.34	+13 17.1	2.206	3.178	3.7	20.5
2 21	8 37.84	+13 50.5	2.254	3.184	7.2	20.7
3 2	8 30.93	+14 19.9	2.329	3.189	10.4	20.9
3 12	8 26.13	+14 43.4	2.427	3.193	13.0	21.1

495870 2004 RB_{45} 2 1.1 176°.99 0°.8/31.5 17

1 2	9 19.55	+18 45.9	2.709	3.553	9.3	22.9
1 12	9 12.87	+19 14.7	2.636	3.556	6.5	22.8
1 22	9 4.71	+19 46.5	2.590	3.558	3.3	22.5
2 1	8 55.70	+20 18.0	2.575	3.560	0.8	22.3
2 11	8 46.65	+20 45.7	2.593	3.560	3.6	22.6
2 21	8 38.33	+21 7.1	2.640	3.560	6.8	22.8
3 2	8 31.43	+21 20.8	2.716	3.559	9.6	23.0
3 12	8 26.41	+21 26.5	2.814	3.558	12.0	23.1

322305 2011 FA_{122} 2 1.1 162°.78 1°.7/31.3 18

1 2	9 25.19	+19 39.8	1.594	2.452	13.9	21.0
1 12	9 17.56	+20 17.3	1.531	2.458	9.7	20.7
1 22	9 7.39	+20 59.6	1.493	2.463	5.0	20.5
2 1	8 55.74	+21 40.0	1.484	2.467	1.7	20.2
2 11	8 44.07	+22 12.2	1.503	2.471	5.7	20.5
2 21	8 33.79	+22 32.3	1.550	2.474	10.3	20.8
3 2	8 26.04	+22 39.2	1.621	2.476	14.4	21.0
3 12	8 21.43	+22 33.7	1.712	2.477	17.7	21.3

639 Latona 2 1.1 134.°60 2.°0/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 17.85	+10 0.9	2.410	3.239	10.8	13.3
1 12	9 11.75	+ 9 59.6	2.339	3.246	7.9	13.2
1 22	9 4.15	+10 7.5	2.295	3.253	4.7	13.0
2 1	8 55.70	+10 22.7	2.280	3.260	2.1	12.8
2 11	8 47.25	+10 42.4	2.295	3.266	3.7	12.9
2 21	8 39.57	+11 3.8	2.340	3.272	6.8	13.1
3 2	8 33.38	+11 24.1	2.413	3.278	9.8	13.3
3 12	8 29.13	+11 41.2	2.508	3.284	12.4	13.5

304029 2006 DV_{73} 2 1.1 277.°83 1.°5/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.68	+19 4.3	1.537	2.402	14.0	21.0
1 12	9 15.46	+19 39.8	1.454	2.384	9.9	20.7
1 22	9 6.50	+20 22.5	1.395	2.365	5.2	20.4
2 1	8 55.74	+21 6.0	1.362	2.346	1.6	20.1
2 11	8 44.58	+21 43.4	1.358	2.327	5.9	20.4
2 21	8 34.55	+22 9.4	1.380	2.308	11.0	20.6
3 2	8 26.94	+22 21.7	1.426	2.289	15.5	20.8
3 12	8 22.60	+22 20.3	1.490	2.270	19.3	21.0

284835 2009 BW_{46} 2 1.1 16.°11 1.°1/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 15.56	+11 59.5	2.207	3.050	11.2	20.6
1 12	9 10.34	+12 26.1	2.134	3.051	8.0	20.4
1 22	9 3.49	+13 2.5	2.087	3.052	4.4	20.2
2 1	8 55.70	+13 45.5	2.069	3.053	1.2	20.0
2 11	8 47.84	+14 30.6	2.080	3.054	3.7	20.2
2 21	8 40.76	+15 13.9	2.121	3.055	7.3	20.4
3 2	8 35.22	+15 52.0	2.188	3.056	10.6	20.6
3 12	8 31.74	+16 22.5	2.277	3.057	13.4	20.8

73182 2002 HY_{14} 2 1.1 215.°15 0.°4/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.80	+14 14.8	1.921	2.767	12.5	20.9
1 12	9 14.28	+14 44.5	1.841	2.761	8.8	20.6
1 22	9 5.67	+15 23.7	1.786	2.753	4.7	20.4
2 1	8 55.75	+16 8.1	1.760	2.745	0.5	20.0
2 11	8 45.63	+16 52.4	1.765	2.737	4.4	20.3
2 21	8 36.45	+17 32.2	1.798	2.728	8.7	20.5
3 2	8 29.18	+18 4.0	1.856	2.718	12.5	20.8
3 12	8 24.47	+18 26.1	1.937	2.708	15.7	21.0

150485 2000 QF_2 2 1.1 226.°95 10.°0/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 42.66	+38 30.0	1.190	2.041	18.2	19.8
1 12	9 31.03	+38 58.3	1.127	2.035	14.4	19.5
1 22	9 14.77	+39 4.3	1.086	2.028	11.1	19.3
2 1	8 55.88	+38 33.7	1.071	2.021	10.1	19.2
2 11	8 37.34	+37 20.8	1.081	2.013	12.6	19.3
2 21	8 21.87	+35 31.2	1.116	2.005	16.6	19.5
3 2	8 11.18	+33 17.8	1.172	1.997	20.7	19.8
3 12	8 5.73	+30 53.7	1.246	1.988	24.2	20.0

35061 1986 QL_3 2 1.1 152.°40 0.°0/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.45	+15 5.8	2.721	3.559	9.5	20.9
1 12	9 12.07	+15 43.7	2.654	3.571	6.6	20.7
1 22	9 4.29	+16 27.5	2.614	3.581	3.4	20.5
2 1	8 55.74	+17 13.5	2.606	3.591	0.1	20.2
2 11	8 47.16	+17 57.9	2.629	3.600	3.3	20.5
2 21	8 39.30	+18 37.7	2.684	3.608	6.4	20.7
3 2	8 32.80	+19 10.5	2.766	3.616	9.2	20.9
3 12	8 28.11	+19 35.3	2.872	3.623	11.6	21.1

297861 2002 CP_{58} 2 1.1 65.°23 11.°9/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 45.06	+46 15.1	1.356	2.183	17.8	19.3
1 12	9 31.52	+46 42.6	1.330	2.210	14.7	19.2
1 22	9 14.31	+46 39.2	1.326	2.236	12.5	19.1
2 1	8 55.87	+45 55.1	1.348	2.263	12.0	19.1
2 11	8 38.98	+44 30.2	1.394	2.289	13.4	19.3
2 21	8 25.70	+42 33.6	1.465	2.316	15.8	19.5
3 2	8 16.99	+40 17.7	1.559	2.342	18.3	19.8
3 12	8 12.87	+37 54.0	1.670	2.368	20.5	20.0

497010 2003 BJ_{36} 2 1.1 336.°25 0.°2/ 1.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 14.25	+14 29.1	1.877	2.736	12.1	20.7
1 12	9 9.77	+15 25.7	1.799	2.725	8.5	20.4
1 22	9 3.35	+16 33.8	1.745	2.715	4.4	20.2
2 1	8 55.73	+17 47.8	1.720	2.705	0.2	19.8
2 11	8 47.90	+19 1.1	1.724	2.696	4.5	20.1
2 21	8 40.91	+20 7.6	1.756	2.688	8.7	20.4
3 2	8 35.68	+21 3.0	1.812	2.680	12.5	20.6
3 12	8 32.85	+21 44.7	1.891	2.673	15.7	20.8

235435 2003 YP_{106} 2 1.1 56.°91 2.°7/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 16.89	+22 11.8	2.104	2.966	10.8	19.9
1 12	9 11.43	+23 23.5	2.041	2.970	7.5	19.7
1 22	9 4.12	+24 38.0	2.005	2.973	4.2	19.5
2 1	8 55.74	+25 48.9	1.998	2.976	2.8	19.4
2 11	8 47.26	+26 50.1	2.021	2.980	5.5	19.5
2 21	8 39.69	+27 37.5	2.073	2.983	8.9	19.8
3 2	8 33.86	+28 9.2	2.149	2.987	12.0	20.0
3 12	8 30.35	+28 25.7	2.247	2.991	14.6	20.2

104318 2000 FF_2 2 1.1 246.°27 3.°5/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 15.55	+ 4 25.6	2.293	3.108	11.8	19.8
1 12	9 10.32	+ 4 37.1	2.209	3.102	9.0	19.6
1 22	9 3.51	+ 5 3.3	2.150	3.096	6.0	19.4
2 1	8 55.74	+ 5 42.8	2.119	3.091	3.7	19.2
2 11	8 47.82	+ 6 32.1	2.118	3.085	4.4	19.3
2 21	8 40.60	+ 7 26.9	2.146	3.079	7.3	19.4
3 2	8 34.82	+ 8 22.6	2.201	3.073	10.4	19.6
3 12	8 31.02	+ 9 14.9	2.279	3.067	13.2	19.8

330453 2007 EC_{17} 2 1.1 36.°17 0.°3/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 17.87	+15 36.4	1.731	2.590	13.0	20.9
1 12	9 12.30	+16 18.6	1.667	2.594	9.1	20.7
1 22	9 4.64	+17 10.1	1.628	2.597	4.7	20.4
2 1	8 55.75	+18 5.3	1.616	2.601	0.3	20.1
2 11	8 46.80	+18 58.0	1.633	2.605	4.7	20.4
2 21	8 38.93	+19 43.1	1.677	2.609	9.1	20.7
3 2	8 33.09	+20 17.3	1.747	2.614	12.9	21.0
3 12	8 29.89	+20 39.4	1.837	2.618	16.1	21.2

210039 2006 OG_{12} 2 1.1 82.°40 0.°7/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 16.18	+11 18.2	2.379	3.216	10.7	19.9
1 12	9 10.59	+12 19.6	2.324	3.239	7.6	19.7
1 22	9 3.56	+13 30.7	2.297	3.262	4.1	19.5
2 1	8 55.74	+14 47.0	2.300	3.284	0.8	19.3
2 11	8 47.97	+16 3.0	2.334	3.307	3.4	19.6
2 21	8 41.00	+17 14.0	2.399	3.329	6.8	19.8
3 2	8 35.49	+18 16.3	2.491	3.351	9.8	20.0
3 12	8 31.89	+19 7.9	2.607	3.373	12.2	20.3

375377 2008 SR_{149} 2 1.1 103.°57 7.°2/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 16.02	− 7 12.3	2.202	2.958	14.2	22.1
1 12	9 10.62	− 7 17.8	2.133	2.969	11.8	21.9
1 22	9 3.64	− 7 0.4	2.085	2.981	9.4	21.8
2 1	8 55.75	− 6 19.9	2.063	2.991	7.6	21.7
2 11	8 47.83	− 5 19.0	2.069	3.002	7.4	21.7
2 21	8 40.71	− 4 2.9	2.102	3.013	8.8	21.8
3 2	8 35.13	− 2 38.2	2.162	3.023	11.0	22.0
3 12	8 31.57	− 1 11.5	2.245	3.033	13.3	22.1

474044 2016 GG_{238} 2 1.1 300.°48 1.°5/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 15.40	+10 7.1	2.088	2.928	11.9	21.2
1 12	9 10.38	+10 47.7	2.008	2.922	8.6	20.9
1 22	9 3.60	+11 41.4	1.954	2.917	4.9	20.7
2 1	8 55.75	+12 44.3	1.928	2.911	1.6	20.5
2 11	8 47.75	+13 51.2	1.933	2.906	3.9	20.6
2 21	8 40.52	+14 56.7	1.966	2.901	7.7	20.8
3 2	8 34.89	+15 56.1	2.025	2.896	11.2	21.0
3 12	8 31.42	+16 46.2	2.107	2.891	14.2	21.2

255994 2006 TL_{105} 2 1.1 51.°88 1.°7/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.74	+11 7.7	1.564	2.416	14.5	20.7
1 12	9 13.00	+11 29.9	1.503	2.423	10.5	20.5
1 22	9 5.02	+12 6.1	1.467	2.431	5.9	20.2
2 1	8 55.77	+12 52.0	1.456	2.440	1.8	20.0
2 11	8 46.51	+13 41.6	1.474	2.448	4.7	20.2
2 21	8 38.46	+14 29.1	1.519	2.457	9.3	20.5
3 2	8 32.62	+15 10.0	1.588	2.466	13.3	20.7
3 12	8 29.58	+15 41.4	1.678	2.475	16.7	21.0

325269 2008 GL_{118} 2 1.2 14.°99 4.°3/ 3.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 17.40	+ 5 10.1	1.592	2.425	15.2	20.7
1 12	9 12.08	+ 5 11.6	1.523	2.427	11.6	20.4
1 22	9 4.58	+ 5 32.4	1.477	2.429	7.6	20.2
2 1	8 55.77	+ 6 10.6	1.457	2.431	4.5	20.0
2 11	8 46.86	+ 7 1.5	1.464	2.433	5.6	20.1
2 21	8 39.03	+ 7 59.0	1.497	2.436	9.4	20.3
3 2	8 33.30	+ 8 56.6	1.556	2.439	13.3	20.6
3 12	8 30.28	+ 9 48.9	1.635	2.442	16.7	20.8

135886 2002 TH_{52} 2 1.2 116.°41 1.°8/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.83	+20 22.4	2.073	2.926	11.4	20.0
1 12	9 14.70	+21 14.9	2.022	2.947	7.9	19.8
1 22	9 5.73	+22 10.2	1.998	2.967	4.1	19.6
2 1	8 55.79	+23 2.3	2.005	2.987	1.9	19.5
2 11	8 45.94	+23 46.2	2.042	3.006	4.9	19.8
2 21	8 37.19	+24 18.5	2.108	3.024	8.4	20.0
3 2	8 30.36	+24 38.2	2.200	3.042	11.6	20.2
3 12	8 25.95	+24 45.7	2.313	3.059	14.2	20.5

322451 2011 UV_{13} 2 1.2 222.°84 0.°9/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.85	+14 14.0	1.696	2.545	13.7	20.6
1 12	9 15.91	+14 18.6	1.619	2.539	9.8	20.3
1 22	9 6.59	+14 32.1	1.566	2.533	5.3	20.0
2 1	8 55.81	+14 51.1	1.541	2.526	1.0	19.7
2 11	8 44.85	+15 11.2	1.545	2.518	4.8	20.0
2 21	8 35.00	+15 28.6	1.577	2.510	9.4	20.2
3 2	8 27.38	+15 40.4	1.634	2.502	13.6	20.4
3 12	8 22.65	+15 45.3	1.712	2.494	17.1	20.7

199682 2006 HV_{13} 2 1.2 264°.28 7°.2/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 25.01	+38 13.5	2.116	2.962	11.5	20.5
1 12	9 17.33	+39 3.5	2.052	2.953	9.2	20.3
1 22	9 7.26	+39 41.9	2.013	2.944	7.5	20.2
2 1	8 55.83	+40 1.2	2.001	2.935	7.4	20.2
2 11	8 44.37	+39 57.0	2.017	2.926	9.1	20.3
2 21	8 34.22	+39 28.9	2.059	2.916	11.5	20.4
3 2	8 26.41	+38 40.0	2.125	2.907	14.1	20.6
3 12	8 21.56	+37 35.2	2.209	2.898	16.3	20.7

417409 2006 JY_{34} 2 1.2 6°.89 2°.6/ 2.9 18

1 2	9 16.96	+ 8 42.2	1.989	2.824	12.6	21.2
1 12	9 11.46	+ 8 47.6	1.915	2.824	9.3	21.0
1 22	9 4.16	+ 9 5.8	1.867	2.824	5.6	20.8
2 1	8 55.79	+ 9 34.4	1.846	2.825	2.7	20.6
2 11	8 47.34	+10 9.7	1.854	2.825	4.3	20.7
2 21	8 39.76	+10 47.6	1.890	2.826	7.9	20.9
3 2	8 33.90	+11 23.9	1.953	2.827	11.4	21.1
3 12	8 30.31	+11 55.5	2.037	2.828	14.4	21.3

331937 2004 TD_{42} 2 1.2 77°.10 4°.0/ 3.8 18

1 2	9 17.94	+ 4 53.4	1.920	2.742	13.5	20.7
1 12	9 12.09	+ 4 50.3	1.857	2.754	10.2	20.5
1 22	9 4.44	+ 5 3.1	1.818	2.766	6.8	20.3
2 1	8 55.80	+ 5 30.3	1.806	2.778	4.2	20.2
2 11	8 47.15	+ 6 8.2	1.823	2.790	5.0	20.3
2 21	8 39.49	+ 6 52.1	1.868	2.802	8.2	20.5
3 2	8 33.62	+ 7 37.3	1.939	2.813	11.5	20.7
3 12	8 30.06	+ 8 19.3	2.032	2.825	14.3	20.9

167062 2003 QC_{88} 2 1.2 67°.21 1°.8/ 2.2 18

1 2	9 20.31	+10 29.6	1.430	2.282	15.6	19.7
1 12	9 14.12	+11 3.2	1.381	2.301	11.2	19.5
1 22	9 5.60	+11 52.6	1.356	2.321	6.3	19.3
2 1	8 55.82	+12 52.1	1.357	2.340	1.9	19.0
2 11	8 46.17	+13 54.4	1.386	2.360	4.9	19.3
2 21	8 37.94	+14 52.8	1.441	2.380	9.6	19.6
3 2	8 32.14	+15 42.3	1.521	2.399	13.8	19.9
3 12	8 29.29	+16 20.1	1.621	2.419	17.2	20.2

361105 2006 DN_{118} 2 1.2 309°.33 1°.5/31.4 18

1 2	9 20.86	+19 8.4	1.335	2.207	15.2	20.9
1 12	9 15.12	+19 37.6	1.260	2.193	10.7	20.6
1 22	9 6.43	+20 14.3	1.208	2.179	5.6	20.3
2 1	8 55.84	+20 51.6	1.181	2.165	1.6	19.9
2 11	8 44.92	+21 22.3	1.181	2.152	6.3	20.2
2 21	8 35.34	+21 41.2	1.206	2.139	11.7	20.5
3 2	8 28.48	+21 46.1	1.253	2.127	16.5	20.7
3 12	8 25.17	+21 37.2	1.319	2.115	20.5	20.9

352742 2008 TO_{67} 2 1.2 35°.57 4°.6/29.9 18

1 2	9 21.86	+24 21.8	1.178	2.060	16.1	20.5
1 12	9 15.82	+25 25.9	1.132	2.068	11.3	20.2
1 22	9 6.70	+26 30.7	1.109	2.078	6.5	20.0
2 1	8 55.84	+27 25.3	1.110	2.088	4.7	19.9
2 11	8 45.11	+28 1.1	1.137	2.098	8.3	20.2
2 21	8 36.24	+28 14.4	1.188	2.109	13.0	20.5
3 2	8 30.49	+28 6.0	1.260	2.121	17.3	20.7
3 12	8 28.45	+27 39.6	1.348	2.133	20.7	21.0

248036 2004 GY_{24} 2 1.2 223°.53 6°.7/ 5.9 17

1 2	9 17.25	− 5 42.3	2.658	3.409	12.1	20.4
1 12	9 11.36	− 6 28.3	2.571	3.404	10.1	20.3
1 22	9 4.03	− 6 57.8	2.508	3.398	8.2	20.1
2 1	8 55.81	− 7 9.4	2.472	3.393	6.9	20.0
2 11	8 47.44	− 7 3.5	2.464	3.387	6.9	20.0
2 21	8 39.66	− 6 42.2	2.484	3.381	8.3	20.1
3 2	8 33.16	− 6 9.4	2.531	3.374	10.2	20.2
3 12	8 28.44	− 5 29.6	2.601	3.368	12.2	20.3

499088 2009 FZ_{19} 2 1.2 36°.16 0°.7/31.5 18

1 2	9 15.45	+16 39.9	2.215	3.070	10.7	20.7
1 12	9 10.32	+17 36.2	2.147	3.073	7.4	20.5
1 22	9 3.54	+18 39.5	2.106	3.076	3.8	20.3
2 1	8 55.80	+19 44.8	2.094	3.079	0.8	20.1
2 11	8 47.97	+20 46.6	2.112	3.082	4.1	20.3
2 21	8 40.94	+21 40.6	2.159	3.085	7.7	20.6
3 2	8 35.47	+22 23.7	2.233	3.088	10.9	20.8
3 12	8 32.09	+22 54.7	2.328	3.092	13.6	21.0

31683 1999 JJ_{22} 2 1.2 145°.39 1°.3/ 1.9 18

1 2	9 19.74	+12 52.9	1.913	2.758	12.6	18.3
1 12	9 13.45	+13 0.0	1.843	2.760	9.0	18.0
1 22	9 5.20	+13 16.5	1.798	2.763	5.0	17.8
2 1	8 55.83	+13 39.3	1.781	2.765	1.3	17.5
2 11	8 46.40	+14 4.3	1.794	2.767	4.2	17.8
2 21	8 37.97	+14 28.0	1.835	2.769	8.3	18.0
3 2	8 31.44	+14 47.3	1.902	2.771	11.9	18.2
3 12	8 27.36	+15 0.5	1.991	2.773	15.0	18.4

70940 1999 WT_5 2 1.2 359°.07 5°.3/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 21.38	+26 59.7	1.357	2.234	14.7	18.2
1 12	9 15.39	+28 1.0	1.300	2.233	10.5	18.0
1 22	9 6.48	+29 0.3	1.267	2.232	6.6	17.8
2 1	8 55.85	+29 47.8	1.259	2.231	5.4	17.7
2 11	8 45.17	+30 15.5	1.277	2.231	8.5	17.9
2 21	8 36.08	+30 20.4	1.320	2.232	12.8	18.1
3 2	8 29.85	+30 3.5	1.384	2.233	16.7	18.3
3 12	8 27.16	+29 28.7	1.466	2.235	20.0	18.6

408227 2013 EP_{94} 2 1.2 272°.03 0°.0/ 1.1 17

1 2	9 20.97	+15 36.7	1.591	2.449	14.0	21.7
1 12	9 14.86	+16 2.3	1.508	2.434	9.9	21.4
1 22	9 6.19	+16 38.0	1.449	2.418	5.2	21.1
2 1	8 55.85	+17 18.8	1.416	2.402	0.1	20.6
2 11	8 45.17	+17 58.6	1.413	2.385	5.2	21.0
2 21	8 35.54	+18 32.1	1.436	2.369	10.2	21.2
3 2	8 28.19	+18 56.0	1.483	2.353	14.6	21.4
3 12	8 23.91	+19 8.6	1.550	2.336	18.4	21.6

243834 2000 UM_{51} 2 1.2 120°.91 2°.5/ 2.7 18

1 2	9 21.65	+ 8 57.2	1.783	2.617	13.9	20.9
1 12	9 14.77	+ 9 12.9	1.724	2.633	10.1	20.7
1 22	9 5.87	+ 9 42.4	1.689	2.648	6.0	20.5
2 1	8 55.84	+10 22.4	1.682	2.663	2.6	20.3
2 11	8 45.87	+11 8.0	1.705	2.677	4.6	20.5
2 21	8 37.05	+11 54.0	1.756	2.690	8.5	20.8
3 2	8 30.29	+12 36.1	1.833	2.703	12.2	21.0
3 12	8 26.12	+13 11.1	1.932	2.716	15.3	21.2

220571 2004 HE_{53} 2 1.2 188°.38 4°.8/28.3 18

1 2	9 23.51	+32 31.6	2.517	3.364	9.8	21.4
1 12	9 15.90	+33 23.8	2.451	3.363	7.4	21.2
1 22	9 6.42	+34 9.8	2.414	3.362	5.3	21.1
2 1	8 55.85	+34 43.6	2.406	3.360	5.0	21.1
2 11	8 45.24	+35 1.3	2.429	3.357	6.7	21.2
2 21	8 35.60	+35 1.5	2.479	3.353	9.2	21.3
3 2	8 27.78	+34 45.2	2.556	3.349	11.7	21.5
3 12	8 22.33	+34 15.2	2.653	3.343	13.8	21.6

204579 2005 GV_{23} 2 1.2 340°.79 1°.2/31.4 18

1 2	9 13.66	+17 6.0	1.420	2.297	14.2	19.2
1 12	9 9.92	+17 58.6	1.342	2.277	10.0	18.9
1 22	9 3.68	+19 3.0	1.287	2.259	5.1	18.5
2 1	8 55.81	+20 12.5	1.258	2.242	1.2	18.2
2 11	8 47.62	+21 18.6	1.255	2.227	5.8	18.5
2 21	8 40.50	+22 13.9	1.277	2.212	10.9	18.7
3 2	8 35.69	+22 53.9	1.321	2.200	15.5	19.0
3 12	8 33.96	+23 16.5	1.385	2.189	19.3	19.2

134258 2006 AS_{97} 2 1.2 27°.89 3°.3/ 3.5 18

1 2	9 14.73	+ 5 21.8	1.393	2.239	16.3	18.8
1 12	9 10.33	+ 6 14.4	1.341	2.253	12.1	18.6
1 22	9 3.70	+ 7 30.5	1.310	2.268	7.4	18.4
2 1	8 55.81	+ 9 4.4	1.305	2.284	3.6	18.2
2 11	8 47.95	+10 46.8	1.327	2.301	5.1	18.4
2 21	8 41.35	+12 28.0	1.376	2.319	9.5	18.6
3 2	8 36.98	+13 59.7	1.449	2.338	13.7	18.9
3 12	8 35.40	+15 16.4	1.542	2.357	17.1	19.2

41791 2000 WJ_3 2 1.2 78°.79 0°.3/ 1.0 18

1 2	9 23.31	+17 12.2	1.477	2.338	14.7	18.6
1 12	9 16.27	+17 23.8	1.422	2.349	10.3	18.4
1 22	9 6.75	+17 42.1	1.390	2.360	5.3	18.1
2 1	8 55.86	+18 2.2	1.386	2.371	0.3	17.8
2 11	8 45.09	+18 19.0	1.410	2.382	5.2	18.2
2 21	8 35.81	+18 28.9	1.460	2.393	10.0	18.5
3 2	8 29.08	+18 30.3	1.535	2.404	14.2	18.7
3 12	8 25.47	+18 23.0	1.629	2.415	17.6	19.0

105161 2000 OA_6 2 1.2 63°.00 4°.5/ 3.5 18

1 2	9 20.80	+ 5 56.6	1.688	2.516	14.8	18.5
1 12	9 14.20	+ 5 28.2	1.633	2.533	11.2	18.3
1 22	9 5.57	+ 5 15.7	1.601	2.550	7.4	18.1
2 1	8 55.85	+ 5 18.3	1.596	2.567	4.6	18.0
2 11	8 46.23	+ 5 32.9	1.619	2.585	5.6	18.1
2 21	8 37.83	+ 5 55.6	1.669	2.602	9.0	18.3
3 2	8 31.54	+ 6 21.8	1.745	2.620	12.5	18.5
3 12	8 27.87	+ 6 47.1	1.842	2.637	15.5	18.8

159013 Kyleturner 2 1.2 34°.79 4°.1/29.3 18

1 2	9 19.00	+25 42.8	1.771	2.640	12.2	19.8
1 12	9 13.19	+26 53.0	1.715	2.644	8.7	19.6
1 22	9 5.17	+28 2.7	1.684	2.649	5.3	19.4
2 1	8 55.84	+29 4.1	1.681	2.653	4.3	19.3
2 11	8 46.48	+29 50.5	1.706	2.658	7.0	19.5
2 21	8 38.30	+30 18.3	1.758	2.663	10.5	19.7
3 2	8 32.29	+30 27.3	1.833	2.669	13.8	19.9
3 12	8 29.05	+30 19.3	1.928	2.674	16.6	20.2

207946 1991 TH_{16} 2 1.2 145°.77 0°.7/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 20.59	+12 59.9	2.069	2.910	12.0	21.2
1 12	9 13.91	+13 35.7	2.004	2.921	8.5	21.0
1 22	9 5.40	+14 20.9	1.965	2.931	4.5	20.8
2 1	8 55.87	+15 11.3	1.956	2.941	0.7	20.5
2 11	8 46.31	+16 1.8	1.977	2.950	4.0	20.8
2 21	8 37.72	+16 48.0	2.028	2.958	7.9	21.0
3 2	8 30.92	+17 26.6	2.106	2.966	11.3	21.3
3 12	8 26.45	+17 56.0	2.206	2.973	14.2	21.5

116363 2003 YN_{100} 2 1.2 82°.42 2°.2/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.92	+21 1.4	1.619	2.482	13.5	19.8
1 12	9 15.80	+21 47.7	1.575	2.504	9.3	19.6
1 22	9 6.43	+22 36.5	1.556	2.525	4.9	19.4
2 1	8 55.88	+23 21.1	1.564	2.546	2.3	19.3
2 11	8 45.54	+23 55.3	1.602	2.567	5.8	19.5
2 21	8 36.65	+24 16.1	1.666	2.588	9.9	19.8
3 2	8 30.16	+24 22.7	1.755	2.608	13.5	20.1
3 12	8 26.58	+24 16.6	1.864	2.629	16.5	20.3

318638 2005 LC_{25} 2 1.2 252°.89 4°.4/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.08	+28 48.1	2.253	3.115	10.3	20.5
1 12	9 12.30	+30 0.2	2.190	3.113	7.4	20.3
1 22	9 4.63	+31 9.7	2.155	3.112	5.0	20.2
2 1	8 55.85	+32 10.0	2.148	3.111	4.6	20.1
2 11	8 46.97	+32 55.6	2.170	3.109	6.7	20.3
2 21	8 38.98	+33 23.8	2.220	3.108	9.5	20.4
3 2	8 32.75	+33 34.2	2.295	3.107	12.2	20.6
3 12	8 28.87	+33 28.6	2.389	3.105	14.5	20.8

283747 2003 BT_{53} 2 1.2 38°.05 2°.2/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 17.49	+10 19.5	2.148	2.984	11.7	20.1
1 12	9 11.70	+10 11.6	2.078	2.988	8.6	20.0
1 22	9 4.24	+10 13.5	2.033	2.993	5.1	19.7
2 1	8 55.85	+10 23.4	2.018	2.998	2.3	19.6
2 11	8 47.44	+10 38.5	2.031	3.003	4.0	19.7
2 21	8 39.90	+10 55.8	2.074	3.008	7.4	19.9
3 2	8 33.98	+11 12.4	2.142	3.013	10.7	20.1
3 12	8 30.18	+11 25.9	2.234	3.019	13.5	20.3

157699 2006 AJ_{17} 2 1.2 219°.39 0°.0/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.09	+15 12.6	2.310	3.155	10.7	21.2
1 12	9 12.17	+15 48.4	2.228	3.148	7.5	21.0
1 22	9 4.54	+16 31.7	2.172	3.140	3.9	20.7
2 1	8 55.87	+17 18.5	2.147	3.132	0.1	20.4
2 11	8 47.03	+18 4.4	2.152	3.124	3.8	20.7
2 21	8 38.94	+18 45.5	2.187	3.115	7.5	20.9
3 2	8 32.39	+19 18.8	2.248	3.105	10.8	21.1
3 12	8 27.94	+19 43.0	2.332	3.096	13.6	21.3

123947 2001 EK_{24} 2 1.2 24°.34 13°.7/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 45.23	+44 27.5	0.945	1.800	21.5	18.4
1 12	9 33.24	+44 45.8	0.902	1.803	17.8	18.2
1 22	9 15.89	+44 28.3	0.877	1.807	14.7	18.0
2 1	8 56.04	+43 19.3	0.874	1.812	13.8	18.0
2 11	8 37.54	+41 16.5	0.894	1.818	15.6	18.1
2 21	8 23.36	+38 32.9	0.935	1.824	19.1	18.3
3 2	8 14.89	+35 27.6	0.996	1.831	22.8	18.6
3 12	8 12.10	+32 17.3	1.073	1.838	26.1	18.9

76428 2000 FL_{22} 2 1.2 174°.40 2°.3/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 17.30	+22 6.4	2.374	3.231	10.0	19.6
1 12	9 11.60	+23 11.7	2.306	3.233	6.9	19.4
1 22	9 4.23	+24 19.5	2.266	3.233	3.8	19.2
2 1	8 55.86	+25 24.3	2.256	3.234	2.4	19.1
2 11	8 47.39	+26 20.7	2.276	3.235	4.9	19.3
2 21	8 39.70	+27 5.1	2.326	3.235	8.1	19.4
3 2	8 33.57	+27 35.9	2.401	3.235	11.0	19.6
3 12	8 29.54	+27 53.1	2.498	3.235	13.5	19.8

379130 2009 CA_{20} 2 1.2 48°.41 5°.1/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.04	+28 37.9	1.780	2.647	12.2	19.8
1 12	9 13.74	+29 54.4	1.748	2.674	8.8	19.6
1 22	9 5.35	+31 5.6	1.741	2.701	5.8	19.5
2 1	8 55.89	+32 3.7	1.763	2.728	5.3	19.5
2 11	8 46.64	+32 43.0	1.813	2.755	7.5	19.7
2 21	8 38.75	+33 1.6	1.888	2.782	10.6	20.0
3 2	8 33.11	+33 0.8	1.988	2.810	13.4	20.2
3 12	8 30.18	+32 43.6	2.106	2.838	15.8	20.4

217803 2000 WU_{13} 2 1.2 89°.67 7°.4/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.69	+36 53.0	1.952	2.804	12.1	19.6
1 12	9 17.06	+38 18.9	1.920	2.826	9.5	19.5
1 22	9 7.11	+39 32.3	1.914	2.847	7.7	19.4
2 1	8 55.92	+40 25.0	1.936	2.869	7.7	19.5
2 11	8 44.92	+40 52.1	1.985	2.890	9.4	19.6
2 21	8 35.40	+40 53.3	2.059	2.910	11.8	19.8
3 2	8 28.34	+40 31.9	2.156	2.930	14.1	20.0
3 12	8 24.26	+39 52.8	2.271	2.950	16.1	20.2

201043 2002 EJ_{15} 2 1.2 20°.15 1°.3/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 18.49	+12 45.7	1.151	2.022	17.2	19.7
1 12	9 13.41	+13 6.7	1.097	2.027	12.3	19.5
1 22	9 5.49	+13 43.8	1.064	2.034	6.7	19.2
2 1	8 55.90	+14 31.2	1.056	2.041	1.4	18.9
2 11	8 46.32	+15 21.0	1.073	2.049	5.7	19.2
2 21	8 38.34	+16 6.0	1.114	2.058	11.2	19.5
3 2	8 33.19	+16 41.0	1.177	2.068	16.0	19.8
3 12	8 31.50	+17 3.5	1.259	2.078	20.0	20.1

479469 2014 AC_{1} 2 1.2 308°.66 1°.9/ 1.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.94	+13 53.2	2.114	2.951	11.8	20.6
1 12	9 15.75	+13 8.5	2.014	2.927	8.6	20.3
1 22	9 6.49	+12 27.7	1.941	2.903	4.9	20.1
2 1	8 55.93	+11 50.3	1.897	2.879	1.9	19.8
2 11	8 45.09	+11 15.3	1.884	2.855	4.3	19.9
2 21	8 35.07	+10 42.1	1.901	2.832	8.3	20.1
3 2	8 26.81	+10 10.0	1.946	2.809	12.0	20.3
3 12	8 21.00	+ 9 38.3	2.013	2.786	15.2	20.5

453051 2007 TU_{155} 2 1.2 88°.54 0°.6/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.23	+14 21.0	1.612	2.463	14.2	21.7
1 12	9 15.96	+14 42.8	1.564	2.486	10.0	21.5
1 22	9 6.50	+15 13.9	1.542	2.509	5.2	21.3
2 1	8 55.93	+15 49.4	1.547	2.532	0.6	21.0
2 11	8 45.55	+16 23.7	1.581	2.554	4.7	21.3
2 21	8 36.59	+16 52.7	1.643	2.576	9.1	21.6
3 2	8 29.96	+17 13.7	1.730	2.597	13.0	21.9
3 12	8 26.17	+17 25.7	1.838	2.618	16.1	22.2

131119 2001 BK_{4} 2 1.2 115°.58 6°.0/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.76	+33 9.3	1.820	2.671	12.8	19.3
1 12	9 20.52	+33 48.9	1.775	2.689	9.6	19.1
1 22	9 8.84	+34 18.1	1.757	2.706	6.8	19.0
2 1	8 55.97	+34 29.6	1.766	2.723	6.1	19.0
2 11	8 43.44	+34 19.7	1.805	2.739	8.1	19.1
2 21	8 32.62	+33 48.9	1.870	2.755	11.1	19.4
3 2	8 24.49	+33 1.0	1.960	2.770	14.1	19.6
3 12	8 19.54	+32 0.8	2.070	2.785	16.5	19.8

133850 Heatherroper 2 1.2 143°.14 0°.5/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 16.61	+12 24.1	2.333	3.174	10.8	19.9
1 12	9 11.06	+13 19.0	2.263	3.180	7.6	19.7
1 22	9 3.94	+14 23.8	2.220	3.186	4.1	19.5
2 1	8 55.90	+15 34.0	2.207	3.192	0.6	19.2
2 11	8 47.77	+16 44.4	2.225	3.197	3.6	19.5
2 21	8 40.41	+17 50.2	2.272	3.203	7.1	19.7
3 2	8 34.53	+18 47.6	2.348	3.207	10.3	19.9
3 12	8 30.64	+19 34.5	2.446	3.212	13.0	20.1

324091 2005 WQ_{125} 2 1.2 187°.63 1°.9/30.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.16	+21 11.4	2.219	3.073	10.7	22.0
1 12	9 13.66	+21 55.1	2.148	3.073	7.4	21.8
1 22	9 5.33	+22 41.5	2.104	3.072	3.9	21.6
2 1	8 55.92	+23 25.4	2.089	3.071	1.9	21.5
2 11	8 46.42	+24 2.1	2.105	3.069	4.8	21.7
2 21	8 37.81	+24 28.3	2.150	3.067	8.3	21.9
3 2	8 30.93	+24 42.8	2.221	3.064	11.5	22.1
3 12	8 26.35	+24 45.7	2.314	3.060	14.2	22.3

499389 2010 AR_{90} 2 1.2 85°.75 3°.3/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.76	+28 14.1	2.218	3.070	10.8	20.4
1 12	9 16.76	+28 16.2	2.153	3.073	7.7	20.3
1 22	9 6.85	+28 13.0	2.114	3.076	4.7	20.1
2 1	8 55.95	+28 0.4	2.106	3.079	3.4	20.0
2 11	8 45.18	+27 35.9	2.128	3.083	5.6	20.1
2 21	8 35.59	+26 59.4	2.179	3.086	8.7	20.3
3 2	8 28.01	+26 12.6	2.257	3.089	11.7	20.5
3 12	8 22.93	+25 18.0	2.356	3.092	14.2	20.7

262823 2007 AP_{19} 2 1.2 14°.41 0°.2/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 15.78	+12 54.4	1.438	2.303	14.8	19.5
1 12	9 11.23	+14 18.7	1.377	2.305	10.4	19.3
1 22	9 4.29	+15 59.7	1.339	2.309	5.4	19.0
2 1	8 55.91	+17 48.7	1.328	2.313	0.2	18.6
2 11	8 47.40	+19 35.4	1.345	2.318	5.3	19.0
2 21	8 40.07	+21 10.2	1.389	2.324	10.3	19.3
3 2	8 35.03	+22 27.3	1.457	2.330	14.6	19.6
3 12	8 32.94	+23 24.0	1.544	2.337	18.1	19.8

99261 2001 NB_{7} 2 1.2 213°.90 1°.3/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.98	+20 51.7	2.498	3.349	9.8	20.1
1 12	9 12.68	+21 13.1	2.421	3.345	6.8	19.9
1 22	9 4.77	+21 36.4	2.371	3.340	3.5	19.6
2 1	8 55.93	+21 57.9	2.352	3.334	1.4	19.5
2 11	8 47.01	+22 14.2	2.363	3.329	4.1	19.6
2 21	8 38.87	+22 23.1	2.403	3.323	7.4	19.8
3 2	8 32.24	+22 23.6	2.471	3.317	10.3	20.0
3 12	8 27.64	+22 15.6	2.561	3.311	12.9	20.2

81056 2000 EK_{65} 2 1.2 170°.47 1°.6/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 19.33	+10 31.5	2.292	3.123	11.3	20.3
1 12	9 12.96	+10 54.2	2.218	3.127	8.2	20.1
1 22	9 4.93	+11 27.2	2.170	3.131	4.7	19.9
2 1	8 55.94	+12 7.5	2.151	3.134	1.7	19.7
2 11	8 46.87	+12 51.1	2.164	3.136	3.7	19.8
2 21	8 38.60	+13 33.9	2.206	3.138	7.2	20.0
3 2	8 31.90	+14 12.7	2.276	3.139	10.5	20.2
3 12	8 27.30	+14 45.1	2.368	3.139	13.2	20.4

77859 2001 RY_{131} 2 1.2 247°.11 4°.3/28.9 18

1 2	9 20.41	+30 18.2	2.371	3.226	10.0	19.4
1 12	9 13.86	+31 0.9	2.300	3.219	7.4	19.2
1 22	9 5.45	+31 39.0	2.256	3.211	5.0	19.0
2 1	8 55.94	+32 7.1	2.241	3.203	4.5	19.0
2 11	8 46.36	+32 21.1	2.255	3.195	6.4	19.1
2 21	8 37.70	+32 19.2	2.298	3.187	9.2	19.2
3 2	8 30.82	+32 2.1	2.365	3.179	11.8	19.4
3 12	8 26.26	+31 31.9	2.454	3.171	14.2	19.6

132228 2002 EQ_{71} 2 1.2 17°.02 0°.1/ 1.1 18

1 2	9 19.69	+16 3.2	1.185	2.060	16.5	19.9
1 12	9 14.26	+16 24.4	1.130	2.063	11.6	19.6
1 22	9 5.94	+16 56.8	1.097	2.068	6.1	19.4
2 1	8 55.95	+17 33.9	1.088	2.073	0.1	18.9
2 11	8 45.97	+18 8.5	1.105	2.079	5.9	19.4
2 21	8 37.60	+18 35.1	1.146	2.086	11.4	19.7
3 2	8 32.10	+18 50.3	1.209	2.094	16.1	20.0
3 12	8 30.08	+18 53.2	1.291	2.103	20.0	20.3

218699 2005 TD_{162} 2 1.2 254°.72 0°.4/ 1.5 18

1 2	9 19.37	+14 42.4	1.867	2.718	12.6	20.9
1 12	9 13.36	+15 2.4	1.790	2.712	8.9	20.6
1 22	9 5.28	+15 31.2	1.739	2.706	4.7	20.4
2 1	8 55.95	+16 4.9	1.715	2.700	0.5	20.0
2 11	8 46.46	+16 38.6	1.721	2.694	4.4	20.3
2 21	8 37.93	+17 8.2	1.755	2.688	8.7	20.6
3 2	8 31.32	+17 30.8	1.814	2.681	12.5	20.8
3 12	8 27.26	+17 44.7	1.895	2.675	15.7	21.0

301183 2008 YH_{143} 2 1.2 46°.31 0°.0/ 1.1 18

1 2	9 19.49	+13 59.1	1.228	2.098	16.5	20.6
1 12	9 13.94	+14 54.4	1.182	2.112	11.5	20.4
1 22	9 5.69	+16 3.9	1.157	2.128	6.0	20.1
2 1	8 55.95	+17 19.5	1.158	2.144	0.1	19.7
2 11	8 46.32	+18 31.5	1.186	2.160	5.6	20.2
2 21	8 38.28	+19 32.4	1.239	2.177	10.9	20.5
3 2	8 32.98	+20 17.8	1.314	2.194	15.4	20.8
3 12	8 30.98	+20 46.4	1.409	2.212	19.1	21.1

460936 2014 WS_{239} 2 1.2 195°.84 1°.1/31.5 18

1 2	9 19.38	+17 58.1	1.900	2.757	12.1	21.5
1 12	9 13.34	+18 41.9	1.830	2.756	8.4	21.3
1 22	9 5.26	+19 32.1	1.785	2.755	4.3	21.0
2 1	8 55.95	+20 23.4	1.770	2.754	1.1	20.8
2 11	8 46.53	+21 9.8	1.783	2.753	4.8	21.1
2 21	8 38.10	+21 47.1	1.825	2.751	8.9	21.3
3 2	8 31.60	+22 12.9	1.892	2.749	12.5	21.5
3 12	8 27.65	+22 26.5	1.981	2.747	15.6	21.7

158882 2004 PY_{50} 2 1.2 185°.79 1°.0/31.5 18

1 2	9 22.28	+17 27.6	1.786	2.640	12.9	21.2
1 12	9 15.49	+18 17.1	1.716	2.640	9.0	21.0
1 22	9 6.42	+19 14.2	1.671	2.640	4.6	20.7
2 1	8 55.97	+20 12.6	1.655	2.639	1.1	20.5
2 11	8 45.39	+21 5.8	1.668	2.637	5.1	20.7
2 21	8 35.89	+21 48.8	1.710	2.635	9.4	21.0
3 2	8 28.52	+22 19.0	1.777	2.632	13.3	21.2
3 12	8 23.95	+22 35.9	1.865	2.628	16.5	21.4

149403 2003 AU_{54} 2 1.2 82°.30 2°.3/30.5 18

1 2	9 22.26	+20 8.4	1.821	2.678	12.5	19.7
1 12	9 15.16	+21 30.0	1.784	2.711	8.6	19.5
1 22	9 6.08	+22 54.5	1.774	2.743	4.5	19.3
2 1	8 55.98	+24 14.1	1.794	2.775	2.4	19.3
2 11	8 46.06	+25 21.7	1.844	2.806	5.5	19.5
2 21	8 37.45	+26 13.3	1.922	2.836	9.3	19.8
3 2	8 30.98	+26 47.8	2.026	2.866	12.5	20.1
3 12	8 27.14	+27 6.3	2.150	2.896	15.1	20.3

66730 1999 TM_{111} 2 1.2 88°.84 2°.8/ 2.8 18

1 2	9 21.24	+ 8 49.5	1.613	2.452	14.8	18.7
1 12	9 14.65	+ 8 56.4	1.557	2.468	10.8	18.5
1 22	9 5.90	+ 9 18.4	1.525	2.484	6.5	18.3
2 1	8 55.97	+ 9 52.2	1.520	2.500	3.0	18.1
2 11	8 46.13	+10 32.8	1.544	2.516	4.9	18.3
2 21	8 37.55	+11 14.8	1.595	2.532	9.0	18.5
3 2	8 31.19	+11 53.7	1.671	2.547	12.9	18.8
3 12	8 27.58	+12 25.9	1.769	2.562	16.1	19.1

218667 2005 SN_{216} 2 1.2 67°.58 3°.1/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 18.74	+ 7 7.1	1.702	2.537	14.4	20.4
1 12	9 12.81	+ 7 26.3	1.649	2.556	10.6	20.2
1 22	9 4.91	+ 8 1.9	1.620	2.576	6.5	20.0
2 1	8 55.96	+ 8 50.3	1.618	2.596	3.2	19.8
2 11	8 47.09	+ 9 46.2	1.645	2.616	4.7	20.0
2 21	8 39.39	+10 43.5	1.699	2.636	8.5	20.2
3 2	8 33.71	+11 37.0	1.779	2.656	12.2	20.5
3 12	8 30.56	+12 22.9	1.880	2.676	15.2	20.8

43 Ariadne 2 1.2 222°.26 1°.7/ 2.1 18 A

1 2	9 22.99	+11 46.9	1.686	2.529	14.1	11.9
1 12	9 16.13	+11 58.9	1.605	2.521	10.2	11.7
1 22	9 6.83	+12 23.2	1.548	2.511	5.8	11.4
2 1	8 56.00	+12 56.3	1.518	2.502	1.8	11.1
2 11	8 44.89	+13 33.3	1.518	2.491	4.8	11.2
2 21	8 34.84	+14 9.3	1.546	2.480	9.5	11.5
3 2	8 26.97	+14 40.1	1.599	2.468	13.8	11.7
3 12	8 22.02	+15 3.3	1.672	2.455	17.4	12.0

381192 2007 PX_{49} 2 1.2 54°.79 2°.0/30.9 18

1 2	9 20.10	+22 26.7	2.101	2.958	11.1	21.0
1 12	9 13.65	+22 46.6	2.034	2.960	7.7	20.7
1 22	9 5.34	+23 7.1	1.993	2.962	4.1	20.5
2 1	8 55.97	+23 24.0	1.982	2.963	2.0	20.4
2 11	8 46.61	+23 33.4	2.000	2.965	4.8	20.6
2 21	8 38.25	+23 33.3	2.047	2.967	8.4	20.8
3 2	8 31.73	+23 23.2	2.119	2.968	11.7	21.0
3 12	8 27.60	+23 3.8	2.213	2.970	14.4	21.2

400307 2007 TJ_{184} 2 1.2 101°.01 3°.0/30.3 18

1 2	9 21.82	+21 52.9	1.614	2.480	13.4	20.7
1 12	9 15.25	+23 3.9	1.563	2.493	9.3	20.5
1 22	9 6.29	+24 17.9	1.536	2.505	5.1	20.3
2 1	8 55.99	+25 26.7	1.538	2.517	3.1	20.2
2 11	8 45.72	+26 22.5	1.568	2.529	6.4	20.4
2 21	8 36.80	+27 1.1	1.625	2.541	10.5	20.6
3 2	8 30.26	+27 21.5	1.706	2.552	14.2	20.9
3 12	8 26.70	+27 25.1	1.806	2.564	17.2	21.1

15662 4064 $T\text{-}_2$ 2 1.2 354°.44 4°.6/ 3.9 18

1 2	9 18.36	+ 4 13.8	1.387	2.224	16.9	17.5
1 12	9 13.10	+ 4 32.7	1.318	2.223	12.9	17.3
1 22	9 5.32	+ 5 16.0	1.270	2.222	8.4	17.0
2 1	8 55.98	+ 6 20.9	1.247	2.222	4.9	16.8
2 11	8 46.44	+ 7 40.7	1.251	2.222	6.0	16.9
2 21	8 38.11	+ 9 6.6	1.280	2.222	10.3	17.1
3 2	8 32.15	+10 29.9	1.334	2.222	14.7	17.4
3 12	8 29.29	+11 43.7	1.408	2.222	18.5	17.6

34808 2001 SY_{73} 2 1.2 284°.62 4°.0/ 3.9 18

1 2	9 16.60	+ 4 12.5	2.290	3.102	11.9	19.2
1 12	9 11.10	+ 3 57.7	2.209	3.098	9.2	19.0
1 22	9 4.01	+ 3 56.5	2.152	3.094	6.3	18.8
2 1	8 55.96	+ 4 8.3	2.123	3.090	4.2	18.7
2 11	8 47.80	+ 4 30.8	2.124	3.087	4.8	18.7
2 21	8 40.36	+ 5 0.7	2.153	3.083	7.5	18.9
3 2	8 34.39	+ 5 34.3	2.209	3.079	10.4	19.0
3 12	8 30.40	+ 6 7.7	2.288	3.075	13.1	19.2

277986 2006 TN_{118} 2 1.2 352°.03 4°.0/29.9 18

1 2	9 18.51	+23 26.1	1.332	2.212	14.7	19.9
1 12	9 13.45	+24 33.1	1.271	2.207	10.3	19.6
1 22	9 5.58	+25 43.7	1.234	2.203	5.9	19.3
2 1	8 55.99	+26 48.0	1.222	2.200	4.2	19.2
2 11	8 46.25	+27 37.0	1.236	2.198	7.8	19.4
2 21	8 37.95	+28 5.7	1.275	2.196	12.3	19.7
3 2	8 32.35	+28 12.9	1.336	2.196	16.5	19.9
3 12	8 30.17	+28 0.8	1.414	2.196	20.0	20.2

222319 2000 TF_{26} 2 1.2 88°.80 2°.2/30.8 18

1 2	9 20.58	+21 37.2	1.863	2.724	12.1	20.9
1 12	9 14.12	+22 16.8	1.806	2.734	8.4	20.6
1 22	9 5.62	+22 58.6	1.775	2.744	4.5	20.4
2 1	8 55.99	+23 36.8	1.773	2.754	2.2	20.3
2 11	8 46.41	+24 6.2	1.800	2.764	5.3	20.5
2 21	8 37.99	+24 23.9	1.854	2.774	9.2	20.8
3 2	8 31.63	+24 28.8	1.933	2.784	12.6	21.0
3 12	8 27.87	+24 21.9	2.034	2.794	15.4	21.2

374599 2006 DR_{106} 2 1.2 198°.67 1°.1/31.4 17

1 2	9 18.77	+19 0.3	2.091	2.947	11.2	21.5
1 12	9 12.77	+19 33.1	2.021	2.946	7.8	21.3
1 22	9 4.92	+20 10.3	1.976	2.946	4.0	21.1
2 1	8 55.99	+20 47.3	1.961	2.945	1.1	20.9
2 11	8 46.98	+21 19.5	1.975	2.944	4.5	21.1
2 21	8 38.89	+21 43.6	2.018	2.943	8.2	21.3
3 2	8 32.56	+21 57.8	2.087	2.941	11.6	21.6
3 12	8 28.55	+22 1.8	2.177	2.940	14.4	21.7

200910 2002 AF_{72} 2 1.2 69°.52 0°.1/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.65	+15 48.6	1.321	2.183	16.0	20.6
1 12	9 17.23	+16 15.8	1.282	2.209	11.2	20.4
1 22	9 7.26	+16 52.2	1.267	2.236	5.7	20.1
2 1	8 56.04	+17 31.3	1.278	2.263	0.1	19.7
2 11	8 45.15	+18 6.4	1.317	2.290	5.4	20.2
2 21	8 36.05	+18 33.0	1.382	2.316	10.4	20.6
3 2	8 29.72	+18 48.9	1.470	2.342	14.6	20.9
3 12	8 26.65	+18 53.8	1.578	2.368	17.9	21.2

262794 2006 YK_{42} 2 1.2 9°.20 4°.6/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 15.90	+22 9.0	1.288	2.172	14.8	19.5
1 12	9 11.66	+24 8.8	1.235	2.174	10.3	19.2
1 22	9 4.68	+26 15.5	1.207	2.176	6.0	19.0
2 1	8 55.99	+28 15.9	1.205	2.180	4.9	18.9
2 11	8 47.16	+29 57.4	1.229	2.185	8.5	19.1
2 21	8 39.73	+31 12.2	1.277	2.191	13.0	19.4
3 2	8 34.97	+31 58.2	1.347	2.198	17.0	19.7
3 12	8 33.58	+32 17.3	1.435	2.206	20.3	19.9

497268 2005 JW_{174} 2 1.2 240°.67 6°.5/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 15.80	− 5 35.2	2.601	3.356	12.2	22.0
1 12	9 10.47	− 5 57.3	2.508	3.346	10.2	21.9
1 22	9 3.68	− 6 1.6	2.439	3.335	8.2	21.7
2 1	8 55.98	− 5 47.2	2.396	3.325	6.7	21.6
2 11	8 48.11	− 5 15.2	2.382	3.313	6.6	21.6
2 21	8 40.81	− 4 28.7	2.396	3.302	8.1	21.7
3 2	8 34.76	− 3 32.3	2.436	3.290	10.2	21.8
3 12	8 30.48	− 2 31.0	2.500	3.278	12.4	21.9

352144 2007 MU_{12} 2 1.2 288°.58 1°.0/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.60	+13 18.3	1.420	2.279	15.3	21.6
1 12	9 14.90	+13 37.6	1.336	2.261	11.0	21.3
1 22	9 6.41	+14 10.6	1.275	2.242	6.0	21.0
2 1	8 56.04	+14 53.0	1.239	2.224	1.1	20.6
2 11	8 45.22	+15 38.4	1.231	2.206	5.4	20.8
2 21	8 35.51	+16 20.5	1.249	2.187	10.8	21.1
3 2	8 28.26	+16 54.4	1.290	2.169	15.7	21.3
3 12	8 24.36	+17 17.2	1.350	2.151	19.9	21.5

48850 1998 FL_{57} 2 1.2 220°.27 0°.2/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.76	+15 49.7	1.756	2.605	13.3	20.4
1 12	9 16.67	+16 22.3	1.673	2.595	9.4	20.1
1 22	9 7.14	+17 3.8	1.616	2.585	4.9	19.8
2 1	8 56.06	+17 49.2	1.588	2.573	0.2	19.4
2 11	8 44.69	+18 32.4	1.589	2.561	4.9	19.8
2 21	8 34.34	+19 8.5	1.619	2.548	9.6	20.0
3 2	8 26.17	+19 34.6	1.674	2.534	13.8	20.2
3 12	8 20.92	+19 49.4	1.750	2.519	17.2	20.4

76488 2000 GG 2 1.2 67°.99 0°.9/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.65	+18 21.9	1.995	2.852	11.6	19.5
1 12	9 12.62	+18 55.1	1.940	2.867	8.0	19.3
1 22	9 4.80	+19 32.9	1.912	2.881	4.1	19.1
2 1	8 56.01	+20 10.6	1.912	2.896	1.0	18.9
2 11	8 47.28	+20 43.6	1.941	2.911	4.4	19.1
2 21	8 39.60	+21 8.6	1.999	2.926	8.2	19.4
3 2	8 33.75	+21 23.8	2.083	2.941	11.5	19.6
3 12	8 30.24	+21 28.9	2.188	2.956	14.2	19.9

163596 2002 TS_{214} 2 1.2 167°.77 4°.2/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.42	+30 9.2	2.624	3.478	9.3	20.3
1 12	9 13.04	+31 12.0	2.563	3.481	6.8	20.2
1 22	9 5.01	+32 10.8	2.531	3.484	4.7	20.0
2 1	8 56.02	+33 0.3	2.528	3.487	4.4	20.0
2 11	8 46.96	+33 36.0	2.556	3.490	6.1	20.1
2 21	8 38.73	+33 56.0	2.611	3.492	8.6	20.3
3 2	8 32.08	+34 0.4	2.692	3.493	10.9	20.5
3 12	8 27.54	+33 50.9	2.795	3.494	13.0	20.6

433064 2012 TF_{23} 2 1.2 320°.37 4°.6/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 15.53	+ 1 50.7	2.260	3.064	12.3	21.1
1 12	9 10.38	+ 1 45.7	2.181	3.063	9.7	21.0
1 22	9 3.65	+ 1 56.8	2.125	3.061	6.8	20.8
2 1	8 55.99	+ 2 23.1	2.097	3.059	4.8	20.6
2 11	8 48.22	+ 3 2.1	2.097	3.057	5.2	20.7
2 21	8 41.16	+ 3 49.7	2.126	3.056	7.6	20.8
3 2	8 35.56	+ 4 41.3	2.182	3.054	10.5	21.0
3 12	8 31.92	+ 5 32.2	2.261	3.053	13.1	21.2

90129 2002 XQ_{81} 2 1.2 6°.20 3°.2/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.86	+22 46.2	1.594	2.464	13.3	19.5
1 12	9 14.02	+23 43.9	1.532	2.464	9.3	19.3
1 22	9 5.75	+24 44.3	1.495	2.464	5.2	19.1
2 1	8 56.03	+25 39.7	1.486	2.465	3.3	18.9
2 11	8 46.23	+26 23.0	1.504	2.466	6.6	19.1
2 21	8 37.69	+26 49.9	1.548	2.467	10.7	19.4
3 2	8 31.50	+26 59.4	1.616	2.468	14.6	19.6
3 12	8 28.30	+26 52.9	1.703	2.470	17.7	19.8

157995 2000 LF_{26} 2 1.2 180°.38 3°.4/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 20.48	+ 4 14.4	2.187	2.995	12.6	21.0
1 12	9 13.88	+ 4 39.6	2.107	2.997	9.5	20.8
1 22	9 5.50	+ 5 21.1	2.052	2.999	6.2	20.6
2 1	8 56.04	+ 6 16.4	2.026	2.999	3.6	20.5
2 11	8 46.44	+ 7 21.2	2.031	2.998	4.5	20.5
2 21	8 37.64	+ 8 30.1	2.066	2.997	7.7	20.7
3 2	8 30.47	+ 9 37.9	2.129	2.994	11.0	20.9
3 12	8 25.50	+10 40.2	2.215	2.991	13.9	21.1

435998 2009 FP_{40} 2 1.2 356°.91 4°.9/ 4.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 13.08	+ 1 48.8	1.730	2.553	14.7	20.4
1 12	9 9.05	+ 2 6.9	1.655	2.549	11.5	20.2
1 22	9 3.11	+ 2 47.2	1.603	2.546	8.0	20.0
2 1	8 56.00	+ 3 48.1	1.576	2.544	5.2	19.8
2 11	8 48.75	+ 5 4.4	1.576	2.543	5.7	19.9
2 21	8 42.39	+ 6 29.1	1.603	2.542	8.8	20.0
3 2	8 37.81	+ 7 54.7	1.656	2.543	12.3	20.3
3 12	8 35.64	+ 9 14.4	1.730	2.545	15.6	20.5

456679 2007 RX_{126} 2 1.2 142°.97 0°.4/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.02	+14 8.0	1.930	2.774	12.5	22.3
1 12	9 15.06	+14 39.8	1.867	2.785	8.8	22.1
1 22	9 6.12	+15 20.5	1.829	2.796	4.7	21.8
2 1	8 56.07	+16 5.4	1.821	2.806	0.5	21.5
2 11	8 46.02	+16 49.5	1.844	2.816	4.2	21.9
2 21	8 37.03	+17 28.3	1.895	2.825	8.3	22.1
3 2	8 30.01	+17 59.0	1.972	2.833	11.9	22.4
3 12	8 25.49	+18 20.2	2.072	2.840	14.9	22.6

409539 2005 UV_{3} 2 1.2 64°.73 5°.7/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.50	+29 22.9	1.666	2.529	13.2	20.1
1 12	9 17.57	+30 53.5	1.647	2.569	9.5	20.0
1 22	9 7.36	+32 15.9	1.653	2.609	6.4	19.9
2 1	8 56.09	+33 21.3	1.688	2.649	5.9	19.9
2 11	8 45.22	+34 3.8	1.751	2.688	8.2	20.1
2 21	8 36.03	+34 22.4	1.840	2.727	11.2	20.4
3 2	8 29.43	+34 19.7	1.952	2.765	14.0	20.7
3 12	8 25.84	+33 59.9	2.084	2.802	16.3	20.9

226088 2002 NX_{45} 2 1.2 246°.50 1°.4/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.09	+13 11.2	1.338	2.196	16.1	20.1
1 12	9 16.59	+13 18.8	1.268	2.192	11.6	19.8
1 22	9 7.23	+13 39.5	1.221	2.189	6.4	19.5
2 1	8 56.10	+14 8.8	1.200	2.185	1.5	19.2
2 11	8 44.77	+14 41.0	1.206	2.181	5.5	19.4
2 21	8 34.84	+15 10.5	1.238	2.177	10.9	19.7
3 2	8 27.61	+15 33.1	1.293	2.172	15.7	20.0
3 12	8 23.83	+15 46.6	1.367	2.168	19.7	20.2

211460 2003 BJ_{83} 2 1.2 310°.47 3°.9/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.85	+28 38.9	2.175	3.034	10.7	19.8
1 12	9 14.28	+29 3.9	2.101	3.024	7.7	19.6
1 22	9 5.75	+29 24.8	2.054	3.015	4.9	19.4
2 1	8 56.07	+29 36.3	2.036	3.006	4.0	19.3
2 11	8 46.34	+29 34.9	2.047	2.997	6.1	19.4
2 21	8 37.61	+29 18.9	2.085	2.988	9.3	19.6
3 2	8 30.78	+28 49.4	2.149	2.980	12.3	19.8
3 12	8 26.42	+28 8.4	2.234	2.972	14.8	19.9

448269 2008 YA_{83} 2 1.2 55°.04 1°.5/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.07	+18 11.5	1.252	2.124	16.0	20.9
1 12	9 15.72	+18 59.1	1.209	2.142	11.1	20.7
1 22	9 6.64	+19 54.4	1.189	2.161	5.7	20.4
2 1	8 56.10	+20 49.1	1.195	2.179	1.6	20.2
2 11	8 45.77	+21 35.0	1.227	2.198	6.1	20.5
2 21	8 37.16	+22 7.2	1.285	2.217	11.2	20.9
3 2	8 31.40	+22 23.8	1.365	2.237	15.5	21.2
3 12	8 28.99	+22 25.5	1.464	2.257	19.0	21.5

461787 2005 VP_{33} 2 1.2 149°.79 2°.3/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.90	+23 10.6	2.299	3.151	10.5	22.1
1 12	9 14.79	+23 46.9	2.237	3.161	7.3	21.9
1 22	9 5.93	+24 23.4	2.203	3.170	4.0	21.7
2 1	8 56.09	+24 55.2	2.199	3.178	2.3	21.6
2 11	8 46.27	+25 18.3	2.225	3.186	4.9	21.8
2 21	8 37.43	+25 30.4	2.281	3.193	8.1	22.0
3 2	8 30.36	+25 31.1	2.363	3.200	11.1	22.2
3 12	8 25.56	+25 21.3	2.467	3.206	13.6	22.4

52490 1995 YY_{5} 2 1.2 163°.55 1°.4/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.47	+18 21.9	1.744	2.599	13.1	19.4
1 12	9 16.35	+19 14.3	1.679	2.605	9.1	19.2
1 22	9 6.91	+20 13.1	1.641	2.610	4.7	19.0
2 1	8 56.12	+21 11.8	1.631	2.615	1.4	18.7
2 11	8 45.24	+22 3.5	1.650	2.618	5.3	19.0
2 21	8 35.56	+22 43.5	1.698	2.621	9.6	19.3
3 2	8 28.11	+23 9.7	1.771	2.624	13.5	19.5
3 12	8 23.52	+23 22.2	1.865	2.625	16.6	19.7

324589 2006 XZ_{19} 2 1.2 64°.03 1°.4/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 19.95	+18 29.2	1.624	2.488	13.4	20.9
1 12	9 13.89	+19 17.5	1.570	2.500	9.3	20.7
1 22	9 5.61	+20 12.0	1.542	2.512	4.8	20.4
2 1	8 56.09	+21 6.0	1.541	2.525	1.5	20.2
2 11	8 46.61	+21 53.1	1.568	2.537	5.3	20.5
2 21	8 38.40	+22 28.7	1.622	2.550	9.7	20.8
3 2	8 32.44	+22 50.7	1.701	2.563	13.5	21.1
3 12	8 29.28	+22 59.3	1.800	2.576	16.6	21.3

206234 2002 WC_{4} 2 1.2 57°.55 0°.5/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.29	+17 11.3	1.975	2.831	11.8	20.6
1 12	9 12.37	+17 40.9	1.923	2.848	8.2	20.4
1 22	9 4.69	+18 16.1	1.897	2.866	4.2	20.2
2 1	8 56.07	+18 52.4	1.899	2.884	0.5	19.9
2 11	8 47.54	+19 25.2	1.931	2.903	4.2	20.2
2 21	8 40.06	+19 51.1	1.991	2.921	8.0	20.5
3 2	8 34.41	+20 8.2	2.077	2.939	11.4	20.7
3 12	8 31.07	+20 15.9	2.185	2.958	14.1	21.0

191592 2004 FX_{46} 2 1.2 257°.13 3°.5/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.23	+23 55.2	1.535	2.399	14.0	20.4
1 12	9 18.13	+24 38.0	1.455	2.384	10.0	20.1
1 22	9 8.10	+25 22.6	1.400	2.367	5.7	19.9
2 1	8 56.16	+26 0.7	1.372	2.351	3.6	19.7
2 11	8 43.86	+26 25.2	1.372	2.334	7.1	19.9
2 21	8 32.84	+26 32.1	1.399	2.316	11.8	20.1
3 2	8 24.46	+26 21.1	1.448	2.298	16.1	20.3
3 12	8 19.56	+25 54.9	1.517	2.280	19.7	20.5

336034 2007 VN_{122} 2 1.2 113°.59 3°.2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 17.11	+ 4 47.0	2.645	3.451	10.7	21.7
1 12	9 11.20	+ 4 45.6	2.580	3.468	8.1	21.5
1 22	9 3.99	+ 4 55.9	2.541	3.484	5.4	21.4
2 1	8 56.07	+ 5 16.8	2.531	3.500	3.4	21.3
2 11	8 48.17	+ 5 45.5	2.552	3.516	4.0	21.3
2 21	8 40.99	+ 6 19.0	2.602	3.531	6.4	21.5
3 2	8 35.12	+ 6 54.0	2.681	3.546	9.0	21.7
3 12	8 30.99	+ 7 27.5	2.783	3.561	11.3	21.9

11679 Brucebaker 2 1.2 301°.91 2°.3/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.06	+11 6.8	1.239	2.100	17.0	17.8
1 12	9 15.38	+11 14.4	1.167	2.091	12.4	17.5
1 22	9 6.72	+11 39.1	1.117	2.082	7.1	17.2
2 1	8 56.13	+12 17.1	1.091	2.074	2.4	16.8
2 11	8 45.23	+13 2.0	1.091	2.066	5.8	17.0
2 21	8 35.69	+13 46.7	1.116	2.058	11.4	17.3
3 2	8 28.92	+14 25.5	1.163	2.050	16.4	17.6
3 12	8 25.74	+14 54.4	1.229	2.043	20.7	17.8

240333 2003 OE_{21} 2 1.2 166°.12 0°.8/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.61	+13 2.6	2.091	2.929	11.9	22.1
1 12	9 14.72	+13 32.1	2.020	2.935	8.5	21.8
1 22	9 5.97	+14 10.7	1.976	2.941	4.6	21.6
2 1	8 56.12	+14 54.7	1.961	2.945	0.8	21.3
2 11	8 46.21	+15 39.2	1.977	2.949	4.0	21.6
2 21	8 37.23	+16 20.1	2.022	2.952	7.9	21.8
3 2	8 30.04	+16 54.2	2.094	2.954	11.4	22.1
3 12	8 25.20	+17 19.8	2.189	2.956	14.3	22.3

489515 2007 PJ_{49} 2 1.2 138°.07 2°.3/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.97	+22 15.4	1.742	2.600	13.0	21.3
1 12	9 17.33	+22 46.4	1.684	2.610	9.1	21.1
1 22	9 7.39	+23 18.6	1.651	2.619	4.8	20.9
2 1	8 56.16	+23 45.8	1.646	2.628	2.4	20.7
2 11	8 45.01	+24 3.1	1.671	2.636	5.7	21.0
2 21	8 35.19	+24 7.9	1.724	2.643	9.8	21.2
3 2	8 27.73	+24 0.2	1.801	2.650	13.4	21.5
3 12	8 23.19	+23 41.4	1.900	2.657	16.5	21.7

400279 2007 RP_{302} 2 1.2 139°.18 0°.6/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.60	+17 12.0	1.895	2.745	12.4	22.5
1 12	9 15.52	+17 47.1	1.834	2.757	8.7	22.3
1 22	9 6.40	+18 28.3	1.799	2.768	4.4	22.1
2 1	8 56.15	+19 10.4	1.793	2.778	0.6	21.8
2 11	8 45.91	+19 48.2	1.818	2.788	4.6	22.1
2 21	8 36.80	+20 17.9	1.871	2.797	8.7	22.4
3 2	8 29.72	+20 37.5	1.950	2.806	12.3	22.6
3 12	8 25.24	+20 46.6	2.050	2.814	15.2	22.8

162698 2000 UN_{30} 2 1.2 109°.21 9°.4/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 36.91	+41 0.4	1.852	2.683	13.6	22.5
1 12	9 25.88	+43 1.6	1.835	2.720	11.0	22.4
1 22	9 11.84	+44 42.7	1.846	2.756	9.5	22.4
2 1	8 56.26	+45 53.0	1.884	2.790	9.7	22.4
2 11	8 41.04	+46 27.4	1.950	2.822	11.3	22.6
2 21	8 27.90	+46 27.9	2.041	2.853	13.4	22.8
3 2	8 18.06	+46 0.7	2.154	2.882	15.5	23.0
3 12	8 12.00	+45 14.0	2.283	2.910	17.2	23.2

285204 1996 XF_{16} 2 1.2 235°.35 3°.9/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 22.83	+25 14.8	1.807	2.669	12.4	20.7
1 12	9 16.10	+26 17.8	1.732	2.658	8.8	20.4
1 22	9 6.91	+27 21.5	1.683	2.647	5.3	20.2
2 1	8 56.16	+28 18.2	1.662	2.636	4.1	20.1
2 11	8 45.16	+29 0.8	1.670	2.624	6.9	20.2
2 21	8 35.24	+29 25.4	1.706	2.612	10.8	20.4
3 2	8 27.56	+29 31.3	1.765	2.599	14.4	20.6
3 12	8 22.85	+29 20.5	1.845	2.586	17.4	20.8

334446 2002 LB_{1} 2 1.2 231°.51 1°.9/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.71	+20 18.0	2.060	2.913	11.4	21.8
1 12	9 15.08	+21 11.9	1.975	2.899	8.0	21.6
1 22	9 6.30	+22 10.9	1.916	2.885	4.2	21.3
2 1	8 56.15	+23 8.9	1.888	2.870	2.0	21.1
2 11	8 45.71	+23 59.9	1.889	2.854	5.2	21.3
2 21	8 36.11	+24 39.4	1.920	2.837	9.1	21.5
3 2	8 28.37	+25 5.2	1.977	2.819	12.7	21.7
3 12	8 23.16	+25 17.3	2.054	2.801	15.7	21.9

223692 2004 RK_{1} 2 1.2 127°.61 6°.3/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.63	+37 7.0	2.336	3.177	10.7	20.3
1 12	9 18.16	+37 54.6	2.291	3.192	8.4	20.2
1 22	9 7.68	+38 31.1	2.273	3.206	6.6	20.1
2 1	8 56.18	+38 50.3	2.283	3.220	6.4	20.1
2 11	8 44.87	+38 49.0	2.323	3.234	7.9	20.2
2 21	8 34.88	+38 27.3	2.389	3.247	10.1	20.4
3 2	8 27.07	+37 48.0	2.480	3.259	12.4	20.6
3 12	8 21.92	+36 55.3	2.592	3.271	14.3	20.8

403789 2011 SL_{179} 2 1.2 66°.21 4°.6/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.83	+26 28.8	1.416	2.287	14.6	20.8
1 12	9 17.64	+27 13.6	1.367	2.297	10.4	20.5
1 22	9 7.67	+27 55.4	1.342	2.307	6.2	20.3
2 1	8 56.19	+28 25.7	1.343	2.317	4.7	20.3
2 11	8 44.86	+28 38.2	1.371	2.328	7.7	20.5
2 21	8 35.25	+28 31.3	1.424	2.338	11.9	20.7
3 2	8 28.50	+28 6.5	1.500	2.349	15.7	21.0
3 12	8 25.16	+27 27.7	1.595	2.360	18.8	21.2

227964 2007 HE_{21} 2 1.2 140°.46 0°.6/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.29	+17 30.8	2.106	2.958	11.3	20.8
1 12	9 13.12	+18 1.3	2.039	2.963	7.9	20.6
1 22	9 5.14	+18 37.1	1.998	2.967	4.0	20.3
2 1	8 56.14	+19 14.1	1.987	2.972	0.6	20.1
2 11	8 47.10	+19 47.5	2.006	2.976	4.2	20.4
2 21	8 38.99	+20 14.2	2.054	2.981	8.0	20.6
3 2	8 32.63	+20 31.9	2.127	2.985	11.3	20.8
3 12	8 28.56	+20 40.3	2.223	2.988	14.1	21.0

193146 2000 HV_{97} 2 1.2 179°.11 2°.8/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.59	+23 11.8	1.889	2.745	12.2	21.3
1 12	9 17.08	+24 0.1	1.822	2.747	8.6	21.1
1 22	9 7.31	+24 49.6	1.782	2.749	4.8	20.9
2 1	8 56.19	+25 33.5	1.770	2.749	2.9	20.7
2 11	8 44.99	+26 6.1	1.789	2.749	5.9	20.9
2 21	8 34.95	+26 24.2	1.836	2.748	9.7	21.2
3 2	8 27.10	+26 27.5	1.908	2.746	13.3	21.4
3 12	8 22.06	+26 17.3	2.001	2.744	16.2	21.6

454195 2013 GK_{104} 2 1.2 320°.51 3°.4/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.17	+ 9 43.6	1.290	2.147	16.6	20.5
1 12	9 14.03	+ 9 29.1	1.211	2.131	12.4	20.2
1 22	9 6.04	+ 9 31.1	1.154	2.116	7.5	19.9
2 1	8 56.16	+ 9 48.0	1.121	2.101	3.6	19.6
2 11	8 45.89	+10 15.4	1.113	2.087	6.0	19.7
2 21	8 36.82	+10 47.7	1.130	2.073	11.1	19.9
3 2	8 30.33	+11 19.2	1.170	2.061	16.1	20.2
3 12	8 27.29	+11 45.2	1.228	2.049	20.3	20.4

334129 2001 RR_{36} 2 1.2 67°.19 2°.8/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.27	+25 31.2	2.130	2.985	11.1	20.8
1 12	9 15.64	+25 50.3	2.091	3.014	7.7	20.6
1 22	9 6.30	+26 6.6	2.079	3.044	4.4	20.5
2 1	8 56.16	+26 15.7	2.096	3.074	2.8	20.4
2 11	8 46.32	+26 14.7	2.144	3.103	5.2	20.6
2 21	8 37.73	+26 2.8	2.220	3.132	8.3	20.9
3 2	8 31.12	+25 40.6	2.323	3.161	11.2	21.1
3 12	8 26.90	+25 10.0	2.447	3.189	13.6	21.3

289802 2005 JJ_{136} 2 1.2 232°.29 5°.5/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 14.97	− 3 23.6	2.529	3.301	12.1	20.8
1 12	9 9.94	− 3 18.7	2.440	3.294	9.8	20.7
1 22	9 3.46	− 2 55.5	2.374	3.288	7.5	20.5
2 1	8 56.11	− 2 14.1	2.336	3.281	5.8	20.4
2 11	8 48.60	− 1 17.0	2.327	3.274	5.8	20.4
2 21	8 41.69	− 0 8.6	2.346	3.266	7.5	20.5
3 2	8 36.06	+ 1 6.2	2.393	3.259	9.9	20.6
3 12	8 32.21	+ 2 21.8	2.464	3.251	12.3	20.8

14202 1998 YF_3 2 1.2 110°.34 1°.4/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 22.12	+12 14.4	1.975	2.813	12.5	18.0
1 12	9 15.01	+12 22.0	1.918	2.832	9.0	17.8
1 22	9 6.08	+12 38.8	1.887	2.850	5.0	17.6
2 1	8 56.17	+13 1.8	1.885	2.869	1.5	17.4
2 11	8 46.36	+13 27.0	1.913	2.886	4.0	17.6
2 21	8 37.65	+13 50.9	1.971	2.903	7.9	17.8
3 2	8 30.86	+14 10.8	2.055	2.920	11.3	18.1
3 12	8 26.46	+14 25.0	2.161	2.936	14.2	18.3

456348 2006 TU_{52} 2 1.2 72°.42 6°.5/ 5.7 17

1 2	9 19.85	− 1 24.1	1.668	2.468	16.2	21.3
1 12	9 13.61	− 1 30.6	1.618	2.493	12.8	21.2
1 22	9 5.40	− 1 13.0	1.590	2.518	9.4	21.0
2 1	8 56.15	− 0 32.6	1.588	2.544	6.8	20.9
2 11	8 47.03	+ 0 26.1	1.613	2.569	6.9	21.0
2 21	8 39.12	+ 1 36.2	1.665	2.594	9.4	21.2
3 2	8 33.27	+ 2 50.3	1.743	2.618	12.5	21.4
3 12	8 29.98	+ 4 1.6	1.842	2.643	15.3	21.7

193868 2001 QC_{149} 2 1.2 157°.74 1°.8/31.2 18

1 2	9 25.62	+20 52.1	1.841	2.694	12.6	21.3
1 12	9 17.73	+21 25.5	1.779	2.703	8.8	21.1
1 22	9 7.61	+22 1.5	1.742	2.710	4.6	20.9
2 1	8 56.21	+22 34.2	1.735	2.717	1.9	20.7
2 11	8 44.84	+22 58.5	1.757	2.723	5.3	20.9
2 21	8 34.71	+23 11.4	1.809	2.728	9.4	21.2
3 2	8 26.82	+23 12.3	1.885	2.733	13.0	21.4
3 12	8 21.76	+23 2.2	1.983	2.736	16.0	21.6

142726 2002 TH_{281} 2 1.2 101°.45 5°.2/29.5 18

1 2	9 27.02	+30 34.4	1.801	2.657	12.7	19.7
1 12	9 18.70	+31 13.0	1.755	2.674	9.2	19.6
1 22	9 8.05	+31 44.1	1.735	2.691	6.1	19.4
2 1	8 56.22	+32 0.7	1.743	2.707	5.3	19.4
2 11	8 44.65	+31 58.8	1.779	2.723	7.5	19.6
2 21	8 34.65	+31 38.1	1.843	2.739	10.7	19.8
3 2	8 27.17	+31 1.1	1.931	2.754	13.8	20.0
3 12	8 22.70	+30 12.0	2.039	2.769	16.3	20.2

84765 2002 XE_{32} 2 1.2 4°.34 2°.9/30.5 18

1 2	9 18.41	+23 47.7	1.808	2.676	12.1	19.8
1 12	9 12.80	+24 23.0	1.745	2.676	8.5	19.5
1 22	9 5.09	+24 58.8	1.708	2.676	4.7	19.3
2 1	8 56.17	+25 29.3	1.698	2.677	3.0	19.2
2 11	8 47.22	+25 49.4	1.717	2.679	5.8	19.4
2 21	8 39.40	+25 56.3	1.762	2.681	9.6	19.6
3 2	8 33.64	+25 49.7	1.832	2.684	13.1	19.8
3 12	8 30.51	+25 30.7	1.922	2.688	16.0	20.0

375251 2008 GE_{82} 2 1.2 236°.23 3°.0/29.9 17

1 2	9 21.07	+24 34.5	2.322	3.177	10.3	21.7
1 12	9 14.49	+25 30.5	2.238	3.161	7.3	21.5
1 22	9 5.96	+26 27.6	2.181	3.145	4.3	21.3
2 1	8 56.20	+27 19.8	2.153	3.128	3.1	21.2
2 11	8 46.17	+28 1.8	2.157	3.111	5.6	21.3
2 21	8 36.92	+28 30.2	2.189	3.093	8.8	21.5
3 2	8 29.35	+28 43.9	2.247	3.074	11.9	21.6
3 12	8 24.12	+28 43.8	2.327	3.055	14.6	21.8

288640 2004 PC_{33} 2 1.2 3°.12 1°.2/31.7 18

1 2	9 23.95	+19 15.4	1.369	2.236	15.3	20.1
1 12	9 17.15	+19 28.5	1.305	2.235	10.7	19.8
1 22	9 7.53	+19 46.7	1.265	2.235	5.6	19.5
2 1	8 56.24	+20 4.3	1.251	2.235	1.2	19.2
2 11	8 44.90	+20 15.6	1.264	2.236	5.9	19.5
2 21	8 35.08	+20 17.2	1.303	2.236	11.0	19.8
3 2	8 28.03	+20 8.2	1.365	2.237	15.5	20.1
3 12	8 24.40	+19 49.0	1.446	2.237	19.3	20.3

90457 2004 CY_7 2 1.2 192°.56 1°.2/31.2 18

1 2	9 19.74	+17 29.9	2.235	3.084	10.9	19.9
1 12	9 13.49	+18 39.2	2.159	3.082	7.5	19.7
1 22	9 5.41	+19 55.5	2.111	3.079	3.9	19.4
2 1	8 56.20	+21 13.0	2.093	3.076	1.2	19.2
2 11	8 46.80	+22 25.6	2.106	3.073	4.5	19.4
2 21	8 38.18	+23 28.3	2.149	3.068	8.1	19.7
3 2	8 31.21	+24 18.0	2.219	3.063	11.4	19.9
3 12	8 26.48	+24 53.9	2.311	3.058	14.2	20.1

317676 2003 JB_3 2 1.2 111°.87 3°.7/29.8 18

1 2	9 21.26	+25 50.2	1.904	2.767	11.8	20.8
1 12	9 14.73	+26 41.1	1.845	2.772	8.4	20.6
1 22	9 6.08	+27 30.6	1.812	2.777	5.0	20.4
2 1	8 56.21	+28 12.2	1.808	2.782	3.8	20.4
2 11	8 46.34	+28 40.5	1.832	2.786	6.4	20.5
2 21	8 37.62	+28 52.8	1.884	2.791	9.8	20.7
3 2	8 31.01	+28 49.2	1.960	2.796	13.1	21.0
3 12	8 27.06	+28 31.6	2.056	2.800	15.8	21.2

342949 2009 AQ_{38} 2 1.2 350°.63 0°.2/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 15.86	+14 13.0	1.992	2.845	11.8	20.6
1 12	9 10.87	+14 55.0	1.920	2.843	8.3	20.4
1 22	9 4.07	+15 46.6	1.873	2.841	4.4	20.1
2 1	8 56.17	+16 43.5	1.854	2.839	0.2	19.8
2 11	8 48.15	+17 40.0	1.865	2.838	4.1	20.1
2 21	8 40.98	+18 31.3	1.903	2.837	8.1	20.3
3 2	8 35.51	+19 13.7	1.968	2.836	11.6	20.5
3 12	8 32.31	+19 45.3	2.055	2.835	14.6	20.7

466679 2014 WG_{236} 2 1.2 11°.48 3°.3/30.8 18

1 2	9 23.12	+25 7.6	1.541	2.410	13.7	20.5
1 12	9 16.32	+25 20.1	1.482	2.411	9.7	20.3
1 22	9 6.99	+25 30.4	1.446	2.414	5.5	20.1
2 1	8 56.24	+25 32.5	1.437	2.416	3.3	19.9
2 11	8 45.58	+25 22.1	1.456	2.420	6.5	20.1
2 21	8 36.39	+24 58.1	1.501	2.424	10.7	20.4
3 2	8 29.78	+24 21.6	1.570	2.428	14.6	20.6
3 12	8 26.31	+23 35.3	1.659	2.433	17.8	20.9

133362 2003 SK_{132} 2 1.2 52°.75 0°.8/ 1.8 18

1 2	9 17.75	+13 24.6	1.942	2.791	12.2	20.6
1 12	9 12.15	+13 48.7	1.877	2.797	8.7	20.4
1 22	9 4.70	+14 22.2	1.836	2.802	4.7	20.2
2 1	8 56.20	+15 1.4	1.824	2.808	0.8	19.9
2 11	8 47.66	+15 41.5	1.841	2.814	4.0	20.1
2 21	8 40.07	+16 18.3	1.886	2.820	8.0	20.4
3 2	8 34.28	+16 48.5	1.957	2.827	11.6	20.6
3 12	8 30.82	+17 10.3	2.050	2.833	14.6	20.8

322710 2000 GN_6 2 1.2 304°.92 8°.4/27.5 17

1 2	9 25.45	+35 55.5	1.549	2.411	14.1	20.8
1 12	9 18.54	+37 0.1	1.478	2.392	11.1	20.5
1 22	9 8.44	+37 54.0	1.430	2.373	8.8	20.4
2 1	8 56.29	+38 26.3	1.408	2.354	8.6	20.3
2 11	8 43.87	+38 29.5	1.412	2.336	10.9	20.4
2 21	8 33.00	+38 2.0	1.439	2.318	14.3	20.5
3 2	8 25.12	+37 7.5	1.488	2.300	17.7	20.7
3 12	8 21.03	+35 52.7	1.554	2.282	20.7	20.9

2017 Wesson 2 1.2 186°.51 1°.8/ 2.4 18 R

1 2	9 21.88	+10 9.6	1.835	2.670	13.4	17.0
1 12	9 15.21	+10 39.2	1.759	2.671	9.8	16.8
1 22	9 6.39	+11 22.6	1.708	2.670	5.6	16.5
2 1	8 56.25	+12 15.9	1.686	2.669	1.9	16.3
2 11	8 45.95	+13 13.3	1.694	2.667	4.4	16.4
2 21	8 36.64	+14 9.3	1.730	2.664	8.7	16.7
3 2	8 29.31	+14 59.3	1.793	2.660	12.6	16.9
3 12	8 24.60	+15 40.3	1.877	2.656	15.9	17.1

341736 2007 VG_{250} 2 1.2 110°.63 5°.5/27.1 18

1 2	9 19.71	+33 14.0	2.432	3.287	9.9	21.0
1 12	9 13.45	+34 37.5	2.385	3.298	7.5	20.8
1 22	9 5.36	+35 54.6	2.365	3.309	5.7	20.7
2 1	8 56.24	+36 58.4	2.375	3.320	5.7	20.7
2 11	8 47.06	+37 44.2	2.414	3.330	7.4	20.9
2 21	8 38.83	+38 10.0	2.479	3.341	9.7	21.0
3 2	8 32.37	+38 16.6	2.569	3.351	11.9	21.2
3 12	8 28.20	+38 6.6	2.678	3.361	13.8	21.4

355761 2008 RH_{11} 2 1.2 210°.44 0°.9/31.2 17

1 2	9 13.59	+20 13.1	3.790	4.637	6.8	21.6
1 12	9 8.64	+20 39.4	3.710	4.632	4.7	21.5
1 22	9 2.70	+21 7.5	3.658	4.626	2.5	21.3
2 1	8 56.19	+21 34.9	3.637	4.620	0.9	21.2
2 11	8 49.62	+21 59.4	3.648	4.614	2.8	21.3
2 21	8 43.49	+22 19.0	3.690	4.608	5.1	21.5
3 2	8 38.26	+22 32.8	3.760	4.601	7.2	21.6
3 12	8 34.30	+22 40.1	3.854	4.595	9.0	21.7

307376 2002 SB_{42} 2 1.2 158°.41 1°.3/31.4 18

1 2	9 21.83	+19 17.0	1.918	2.773	12.1	21.2
1 12	9 15.08	+19 52.2	1.852	2.777	8.4	20.9
1 22	9 6.27	+20 31.7	1.812	2.781	4.4	20.7
2 1	8 56.28	+21 10.3	1.802	2.785	1.3	20.5
2 11	8 46.24	+21 42.9	1.821	2.789	4.8	20.7
2 21	8 37.28	+22 6.0	1.868	2.792	8.8	21.0
3 2	8 30.32	+22 18.0	1.941	2.794	12.4	21.2
3 12	8 25.94	+22 19.0	2.035	2.797	15.4	21.4

272994 2006 DG_{46} 2 1.2 198°.01 1°.1/31.5 18

1 2	9 19.00	+18 57.2	2.094	2.949	11.2	20.8
1 12	9 13.01	+19 29.8	2.023	2.949	7.8	20.6
1 22	9 5.18	+20 6.8	1.978	2.948	4.0	20.4
2 1	8 56.25	+20 43.8	1.963	2.947	1.1	20.2
2 11	8 47.25	+21 16.1	1.977	2.946	4.4	20.4
2 21	8 39.15	+21 40.2	2.020	2.945	8.2	20.6
3 2	8 32.81	+21 54.5	2.088	2.944	11.6	20.9
3 12	8 28.78	+21 58.6	2.179	2.942	14.4	21.0

435259 2007 TR_{164} 2 1.2 29°.49 8°.7/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 23.92	+39 42.7	1.731	2.584	13.3	19.9
1 12	9 16.86	+40 43.3	1.695	2.597	10.7	19.8
1 22	9 7.24	+41 28.0	1.683	2.611	9.0	19.7
2 1	8 56.30	+41 48.7	1.697	2.626	8.9	19.7
2 11	8 45.64	+41 41.5	1.736	2.641	10.6	19.9
2 21	8 36.70	+41 7.3	1.799	2.656	13.0	20.1
3 2	8 30.50	+40 10.7	1.884	2.673	15.4	20.3
3 12	8 27.50	+38 57.7	1.987	2.689	17.5	20.5

41595 2000 SV_{66} 2 1.2 25°.42 1°.5/31.5 18

1 2	9 18.77	+17 35.0	1.111	1.993	16.8	18.3
1 12	9 13.79	+18 28.4	1.064	2.002	11.7	18.1
1 22	9 5.87	+19 32.4	1.039	2.012	6.0	17.8
2 1	8 56.27	+20 37.8	1.039	2.023	1.6	17.5
2 11	8 46.74	+21 34.8	1.063	2.035	6.5	17.9
2 21	8 38.94	+22 16.7	1.111	2.049	12.0	18.2
3 2	8 34.10	+22 40.6	1.181	2.063	16.6	18.5
3 12	8 32.79	+22 46.9	1.268	2.078	20.4	18.8

40858 1999 TR_{110} 2 1.2 148°.87 0°.5/ 1.6 18

1 2	9 19.61	+14 54.0	2.047	2.894	11.8	19.5
1 12	9 13.41	+15 7.5	1.977	2.897	8.3	19.3
1 22	9 5.37	+15 28.2	1.932	2.899	4.4	19.0
2 1	8 56.26	+15 52.8	1.916	2.901	0.5	18.7
2 11	8 47.11	+16 17.3	1.930	2.903	4.0	19.0
2 21	8 38.89	+16 38.4	1.973	2.905	7.9	19.3
3 2	8 32.44	+16 53.7	2.042	2.907	11.4	19.5
3 12	8 28.31	+17 1.9	2.133	2.909	14.3	19.7

319181 2005 YH_{125} 2 1.2 26°.67 2°.3/30.7 18

1 2	9 19.17	+21 10.3	1.760	2.625	12.5	20.8
1 12	9 13.41	+22 0.4	1.697	2.627	8.7	20.5
1 22	9 5.48	+22 54.2	1.660	2.630	4.6	20.3
2 1	8 56.28	+23 45.2	1.651	2.632	2.4	20.2
2 11	8 47.01	+24 27.3	1.670	2.635	5.6	20.4
2 21	8 38.87	+24 56.4	1.717	2.638	9.7	20.6
3 2	8 32.82	+25 10.9	1.788	2.642	13.3	20.8
3 12	8 29.46	+25 11.5	1.879	2.645	16.3	21.1

262702 2006 XS 2 1.2 87°.56 3°.0/ 3.1 18

1 2	9 20.34	+ 8 10.4	1.754	2.588	14.0	20.9
1 12	9 14.02	+ 8 14.6	1.695	2.603	10.3	20.7
1 22	9 5.70	+ 8 33.2	1.661	2.618	6.3	20.5
2 1	8 56.28	+ 9 3.7	1.654	2.632	3.1	20.3
2 11	8 46.91	+ 9 41.5	1.675	2.647	4.7	20.4
2 21	8 38.67	+10 21.8	1.725	2.661	8.5	20.7
3 2	8 32.44	+11 0.1	1.800	2.675	12.2	20.9
3 12	8 28.76	+11 33.0	1.896	2.689	15.3	21.2

289884 2005 MW_{27} 2 1.3 275°.14 1°.9/ 2.9 18

1 2	9 14.86	+ 7 49.7	2.375	3.203	11.0	20.8
1 12	9 9.97	+ 8 37.0	2.294	3.200	8.1	20.6
1 22	9 3.56	+ 9 37.7	2.239	3.197	4.8	20.4
2 1	8 56.23	+10 48.6	2.214	3.194	2.0	20.2
2 11	8 48.77	+12 4.7	2.219	3.192	3.5	20.3
2 21	8 41.96	+13 20.7	2.254	3.189	6.9	20.5
3 2	8 36.52	+14 32.0	2.316	3.186	10.0	20.7
3 12	8 32.97	+15 35.0	2.402	3.183	12.8	20.9

96240 1994 AE_{7} 2 1.3 259°.81 0°.8/31.7 18

1 2	9 20.86	+16 49.0	1.711	2.568	13.2	20.1
1 12	9 14.82	+17 35.8	1.626	2.552	9.3	19.8
1 22	9 6.37	+18 32.3	1.567	2.536	4.8	19.5
2 1	8 56.31	+19 32.5	1.535	2.520	0.9	19.2
2 11	8 45.89	+20 29.4	1.533	2.503	5.2	19.4
2 21	8 36.43	+21 17.2	1.557	2.486	9.9	19.7
3 2	8 29.08	+21 52.3	1.607	2.469	14.1	19.9
3 12	8 24.63	+22 13.5	1.677	2.451	17.7	20.1

101740 1999 FC_{7} 2 1.3 106°.84 6°.8/27.8 18

1 2	9 26.41	+36 26.8	2.038	2.886	11.8	18.5
1 12	9 18.27	+37 28.5	1.999	2.904	9.1	18.3
1 22	9 7.89	+38 18.5	1.985	2.922	7.2	18.2
2 1	8 56.34	+38 49.6	1.999	2.939	7.0	18.3
2 11	8 45.01	+38 57.7	2.042	2.955	8.7	18.4
2 21	8 35.14	+38 42.8	2.111	2.972	11.1	18.6
3 2	8 27.68	+38 8.0	2.203	2.988	13.5	18.8
3 12	8 23.12	+37 18.0	2.314	3.003	15.6	19.0

72982 2002 CC_{248} 2 1.3 192°.84 3°.2/30.3 18

1 2	9 23.69	+24 5.5	1.819	2.679	12.4	19.7
1 12	9 16.60	+24 53.0	1.751	2.677	8.8	19.5
1 22	9 7.16	+25 41.1	1.709	2.676	5.0	19.2
2 1	8 56.33	+26 22.8	1.696	2.674	3.3	19.1
2 11	8 45.39	+26 52.3	1.712	2.671	6.2	19.3
2 21	8 35.64	+27 6.4	1.756	2.668	10.1	19.5
3 2	8 28.11	+27 4.8	1.824	2.664	13.7	19.7
3 12	8 23.46	+26 49.4	1.912	2.660	16.7	19.9

205222 2000 QV_{43} 2 1.3 80°.54 2°.6/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 19.96	+ 7 53.3	1.459	2.303	15.8	19.8
1 12	9 14.09	+ 8 34.7	1.403	2.316	11.6	19.6
1 22	9 5.87	+ 9 35.4	1.369	2.330	6.8	19.3
2 1	8 56.30	+10 50.2	1.362	2.343	2.8	19.1
2 11	8 46.73	+12 11.0	1.382	2.357	5.0	19.3
2 21	8 38.46	+13 29.9	1.430	2.370	9.6	19.6
3 2	8 32.52	+14 40.1	1.502	2.383	13.8	19.9
3 12	8 29.52	+15 37.6	1.595	2.396	17.3	20.1

502938 2015 EQ_{44} 2 1.3 35°.84 1°.2/ 2.1 18

1 2	9 17.05	+12 18.8	1.952	2.799	12.3	21.0
1 12	9 11.67	+12 39.8	1.886	2.804	8.8	20.8
1 22	9 4.49	+13 11.0	1.845	2.810	4.8	20.6
2 1	8 56.27	+13 49.0	1.833	2.817	1.3	20.3
2 11	8 48.02	+14 29.2	1.849	2.823	4.0	20.6
2 21	8 40.70	+15 7.3	1.894	2.830	7.9	20.8
3 2	8 35.14	+15 40.0	1.964	2.837	11.4	21.0
3 12	8 31.86	+16 4.8	2.057	2.844	14.4	21.2

180570 2004 EQ_{86} 2 1.3 231°.64 1°.1/31.5 17

1 2	9 19.94	+17 49.5	2.087	2.939	11.4	21.0
1 12	9 13.81	+18 39.2	2.004	2.928	8.0	20.8
1 22	9 5.69	+19 35.8	1.948	2.917	4.1	20.5
2 1	8 56.31	+20 34.0	1.921	2.905	1.1	20.3
2 11	8 46.69	+21 28.0	1.924	2.893	4.6	20.5
2 21	8 37.88	+22 13.3	1.956	2.880	8.5	20.7
3 2	8 30.82	+22 47.0	2.015	2.866	12.1	20.9
3 12	8 26.15	+23 8.4	2.095	2.853	15.1	21.1

172734 Giansimon 2 1.3 222°.77 0°.9/ 1.8 18

1 2	9 21.70	+14 0.0	1.960	2.803	12.4	20.2
1 12	9 15.03	+14 4.9	1.879	2.796	8.9	20.0
1 22	9 6.30	+14 17.9	1.824	2.789	4.8	19.7
2 1	8 56.33	+14 35.9	1.797	2.782	1.0	19.4
2 11	8 46.19	+14 55.2	1.801	2.774	4.2	19.7
2 21	8 36.99	+15 12.4	1.833	2.766	8.4	19.9
3 2	8 29.67	+15 24.9	1.892	2.757	12.1	20.1
3 12	8 24.86	+15 31.3	1.972	2.748	15.3	20.3

350704 2001 WW_{67} 2 1.3 22°.90 4°.9/30.0 17

1 2	9 19.41	+23 54.0	0.943	1.837	17.8	20.3
1 12	9 14.60	+25 0.0	0.906	1.848	12.5	20.1
1 22	9 6.40	+26 7.1	0.890	1.861	7.2	19.8
2 1	8 56.32	+27 3.2	0.896	1.875	5.1	19.8
2 11	8 46.50	+27 38.2	0.926	1.891	9.0	20.0
2 21	8 38.82	+27 48.3	0.977	1.908	14.1	20.4
3 2	8 34.58	+27 34.9	1.048	1.926	18.6	20.7
3 12	8 34.26	+27 2.1	1.135	1.945	22.3	21.0

122717 2000 SH_{36} 2 1.3 117°.44 1°.4/31.3 18

1 2	9 20.53	+19 21.3	2.142	2.995	11.1	20.6
1 12	9 13.95	+20 5.7	2.086	3.011	7.7	20.4
1 22	9 5.62	+20 53.8	2.057	3.026	4.0	20.2
2 1	8 56.31	+21 40.4	2.058	3.041	1.4	20.1
2 11	8 47.05	+22 20.8	2.089	3.056	4.5	20.3
2 21	8 38.79	+22 51.6	2.149	3.070	8.0	20.6
3 2	8 32.31	+23 11.3	2.235	3.083	11.2	20.8
3 12	8 28.11	+23 20.0	2.343	3.097	13.8	21.0

88589 2001 QC_{264} 2 1.3 80°.49 3°.5/ 3.7 18

1 2	9 19.24	+ 5 31.5	1.789	2.615	14.2	19.2
1 12	9 13.20	+ 5 50.7	1.734	2.635	10.6	19.0
1 22	9 5.26	+ 6 27.0	1.704	2.656	6.7	18.8
2 1	8 56.30	+ 7 17.4	1.700	2.676	3.7	18.6
2 11	8 47.42	+ 8 16.5	1.726	2.696	4.8	18.7
2 21	8 39.63	+ 9 18.4	1.779	2.716	8.3	19.0
3 2	8 33.77	+10 17.7	1.859	2.735	11.8	19.2
3 12	8 30.36	+11 10.1	1.961	2.755	14.8	19.5

93603 2000 UO_{58} 2 1.3 20°.25 4°.5/29.8 18

1 2	9 22.38	+27 44.3	1.639	2.506	13.1	19.1
1 12	9 15.80	+28 22.7	1.582	2.509	9.4	18.9
1 22	9 6.76	+28 57.2	1.549	2.512	5.9	18.7
2 1	8 56.35	+29 20.7	1.544	2.516	4.7	18.6
2 11	8 45.99	+29 27.9	1.566	2.520	7.3	18.8
2 21	8 37.03	+29 17.1	1.615	2.525	11.0	19.0
3 2	8 30.54	+28 49.7	1.687	2.529	14.5	19.3
3 12	8 27.09	+28 8.8	1.778	2.534	17.4	19.5

440482 2005 TY_{16} 2 1.3 106°.41 0°.6/31.9 18

1 2	9 25.73	+16 35.8	1.587	2.440	14.3	21.6
1 12	9 17.89	+17 17.2	1.541	2.464	9.9	21.4
1 22	9 7.74	+18 5.9	1.519	2.488	5.1	21.2
2 1	8 56.37	+18 55.4	1.526	2.511	0.6	20.9
2 11	8 45.21	+19 39.3	1.562	2.533	5.1	21.3
2 21	8 35.54	+20 13.2	1.627	2.555	9.6	21.6
3 2	8 28.35	+20 35.2	1.716	2.575	13.5	21.9
3 12	8 24.14	+20 45.3	1.825	2.595	16.6	22.2

42654 1998 FC_{107} 2 1.3 8°.01 5°.4/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 17.54	+ 6 8.0	1.126	1.983	18.6	18.2
1 12	9 12.93	+ 5 42.3	1.067	1.983	14.1	17.9
1 22	9 5.48	+ 5 39.4	1.029	1.985	9.3	17.7
2 1	8 56.32	+ 5 58.6	1.013	1.988	5.6	17.5
2 11	8 47.07	+ 6 35.1	1.022	1.993	7.0	17.6
2 21	8 39.32	+ 7 21.6	1.053	1.999	11.5	17.8
3 2	8 34.32	+ 8 10.3	1.107	2.006	16.1	18.1
3 12	8 32.77	+ 8 54.2	1.178	2.014	20.1	18.4

413689 2005 XB_{52} 2 1.3 18°.16 6°.1/28.4 18

1 2	9 18.82	+28 23.4	1.405	2.284	14.1	19.8
1 12	9 13.64	+29 51.6	1.359	2.290	10.2	19.6
1 22	9 5.77	+31 16.3	1.336	2.297	6.9	19.5
2 1	8 56.33	+32 26.8	1.340	2.305	6.4	19.4
2 11	8 46.90	+33 14.6	1.369	2.314	9.1	19.6
2 21	8 38.99	+33 36.5	1.422	2.324	12.8	19.9
3 2	8 33.76	+33 33.4	1.497	2.334	16.3	20.1
3 12	8 31.80	+33 9.4	1.589	2.346	19.2	20.3

23760 1998 KM_{61} 2 1.3 259°.89 0°.9/ 1.8 18

1 2	9 21.14	+12 13.2	1.459	2.313	15.2	19.1
1 12	9 15.30	+12 54.6	1.377	2.300	11.0	18.8
1 22	9 6.74	+13 52.5	1.319	2.286	6.0	18.5
2 1	8 56.37	+15 1.3	1.287	2.272	1.0	18.1
2 11	8 45.57	+16 13.3	1.283	2.258	5.3	18.3
2 21	8 35.86	+17 20.5	1.306	2.243	10.6	18.6
3 2	8 28.55	+18 16.9	1.353	2.228	15.4	18.8
3 12	8 24.49	+18 59.4	1.419	2.213	19.4	19.1

390579 2001 PQ_{62} 2 1.3 140°.14 4°.2/29.7 18

1 2	9 24.93	+25 16.4	1.656	2.518	13.3	21.0
1 12	9 17.58	+26 29.0	1.602	2.528	9.4	20.8
1 22	9 7.71	+27 41.0	1.574	2.538	5.6	20.6
2 1	8 56.39	+28 43.6	1.574	2.547	4.4	20.5
2 11	8 45.07	+29 29.4	1.602	2.555	7.2	20.7
2 21	8 35.14	+29 55.1	1.658	2.563	11.1	20.9
3 2	8 27.73	+30 0.8	1.737	2.571	14.6	21.2
3 12	8 23.43	+29 49.6	1.836	2.577	17.5	21.4

265007 2003 FH_{27} 2 1.3 212°.91 0°.4/ 1.5 18

1 2	9 19.54	+14 44.7	1.901	2.752	12.4	21.1
1 12	9 13.54	+15 7.5	1.829	2.750	8.8	20.9
1 22	9 5.54	+15 39.0	1.781	2.749	4.7	20.7
2 1	8 56.34	+16 15.0	1.762	2.747	0.4	20.3
2 11	8 47.03	+16 50.7	1.772	2.745	4.2	20.6
2 21	8 38.69	+17 22.0	1.810	2.743	8.4	20.9
3 2	8 32.22	+17 46.1	1.875	2.741	12.2	21.1
3 12	8 28.24	+18 1.3	1.960	2.739	15.3	21.3

492414 2014 KY_{81} 2 1.3 168°.73 2°.1/30.9 18

1 2	9 23.77	+20 40.3	1.833	2.689	12.5	22.1
1 12	9 16.59	+21 29.1	1.768	2.693	8.7	21.9
1 22	9 7.15	+22 21.6	1.728	2.697	4.6	21.6
2 1	8 56.40	+23 11.3	1.718	2.700	2.1	21.5
2 11	8 45.56	+23 52.2	1.738	2.703	5.5	21.7
2 21	8 35.89	+24 20.4	1.785	2.704	9.5	21.9
3 2	8 28.38	+24 34.6	1.858	2.705	13.2	22.2
3 12	8 23.65	+24 35.6	1.952	2.706	16.2	22.4

381975 2010 FT_{84} 2 1.3 326°.65 3°.6/30.1 17

1 2	9 18.57	+24 54.1	1.751	2.621	12.3	20.5
1 12	9 13.20	+25 37.8	1.675	2.605	8.7	20.3
1 22	9 5.51	+26 22.2	1.623	2.589	5.1	20.0
2 1	8 56.36	+27 0.6	1.598	2.575	3.7	19.9
2 11	8 46.98	+27 26.8	1.601	2.560	6.6	20.1
2 21	8 38.65	+27 37.4	1.631	2.547	10.5	20.3
3 2	8 32.46	+27 31.7	1.684	2.533	14.2	20.5
3 12	8 29.09	+27 11.1	1.756	2.521	17.3	20.6

456525 2006 YR_{53} 2 1.3 343°.92 2°.5/31.1 16

1 2	9 20.14	+21 53.2	1.426	2.300	14.3	20.8
1 12	9 14.55	+22 18.7	1.359	2.292	10.1	20.5
1 22	9 6.28	+22 47.1	1.314	2.285	5.4	20.2
2 1	8 56.38	+23 11.9	1.296	2.279	2.5	20.0
2 11	8 46.34	+23 27.0	1.305	2.273	6.3	20.2
2 21	8 37.66	+23 29.0	1.339	2.268	11.1	20.5
3 2	8 31.54	+23 17.0	1.395	2.264	15.4	20.7
3 12	8 28.66	+22 52.4	1.471	2.261	19.0	21.0

305707 2009 BS_{176} 2 1.3 59°.87 1°.0/ 1.8 18

1 2	9 21.14	+12 43.9	1.353	2.212	15.9	20.9
1 12	9 14.99	+13 17.3	1.305	2.230	11.3	20.7
1 22	9 6.36	+14 4.4	1.280	2.248	6.0	20.5
2 1	8 56.38	+14 59.2	1.281	2.266	1.1	20.2
2 11	8 46.53	+15 54.1	1.310	2.285	5.1	20.5
2 21	8 38.19	+16 42.8	1.365	2.303	10.1	20.8
3 2	8 32.41	+17 21.2	1.443	2.322	14.4	21.1
3 12	8 29.73	+17 47.1	1.541	2.341	17.8	21.4

61166 2000 NU_{19} 2 1.3 342°.22 1°.8/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 22.88	+15 27.7	1.347	2.210	15.7	17.4
1 12	9 16.53	+14 38.0	1.272	2.198	11.4	17.1
1 22	9 7.35	+13 53.7	1.220	2.187	6.3	16.8
2 1	8 56.42	+13 13.8	1.194	2.178	1.9	16.5
2 11	8 45.29	+12 37.0	1.195	2.169	5.5	16.7
2 21	8 35.56	+12 2.3	1.221	2.162	10.8	17.0
3 2	8 28.51	+11 28.7	1.271	2.155	15.5	17.2
3 12	8 24.87	+10 55.1	1.340	2.150	19.5	17.5

466783 2015 BM_5 2 1.3 334°.86 3°.5/ 2.9 18

1 2	9 21.70	+ 8 48.4	1.777	2.610	13.9	20.7
1 12	9 15.11	+ 8 14.4	1.702	2.608	10.4	20.5
1 22	9 6.39	+ 7 52.2	1.652	2.607	6.6	20.3
2 1	8 56.39	+ 7 41.1	1.629	2.606	3.7	20.1
2 11	8 46.29	+ 7 39.1	1.635	2.604	5.2	20.2
2 21	8 37.23	+ 7 43.5	1.669	2.603	8.9	20.4
3 2	8 30.20	+ 7 50.9	1.728	2.602	12.7	20.6
3 12	8 25.81	+ 7 58.3	1.809	2.601	15.9	20.8

123112 2000 SW_{357} 2 1.3 122°.55 4°.7/28.4 18

1 2	9 21.53	+28 53.5	2.146	3.004	10.9	20.2
1 12	9 14.85	+30 17.7	2.097	3.018	7.9	20.1
1 22	9 6.18	+31 38.2	2.075	3.031	5.3	19.9
2 1	8 56.38	+32 47.5	2.083	3.044	4.9	19.9
2 11	8 46.57	+33 39.8	2.120	3.056	7.0	20.1
2 21	8 37.80	+34 12.4	2.185	3.069	9.8	20.3
3 2	8 30.99	+34 25.8	2.275	3.080	12.5	20.5
3 12	8 26.68	+34 22.2	2.384	3.091	14.8	20.7

206967 2004 SZ_{47} 2 1.3 90°.19 3°.1/30.7 18

1 2	9 26.25	+23 17.3	1.527	2.390	14.2	20.2
1 12	9 18.39	+23 58.8	1.484	2.412	9.9	20.0
1 22	9 8.04	+24 40.2	1.465	2.433	5.4	19.8
2 1	8 56.43	+25 14.0	1.475	2.455	3.1	19.7
2 11	8 45.09	+25 34.7	1.513	2.475	6.4	20.0
2 21	8 35.39	+25 39.9	1.577	2.496	10.6	20.2
3 2	8 28.37	+25 30.3	1.666	2.516	14.3	20.5
3 12	8 24.51	+25 8.3	1.774	2.536	17.3	20.8

73254 2002 JK_{43} 2 1.3 227°.86 3°.2/30.6 18

1 2	9 24.01	+23 58.1	1.659	2.522	13.2	19.8
1 12	9 17.01	+24 34.8	1.590	2.518	9.3	19.5
1 22	9 7.48	+25 11.9	1.546	2.514	5.3	19.3
2 1	8 56.42	+25 42.5	1.530	2.509	3.3	19.1
2 11	8 45.25	+26 0.8	1.543	2.504	6.4	19.3
2 21	8 35.36	+26 3.8	1.582	2.499	10.6	19.6
3 2	8 27.90	+25 51.6	1.645	2.494	14.5	19.8
3 12	8 23.53	+25 26.3	1.728	2.489	17.7	20.0

163672 2002 XO_3 2 1.3 138°.91 1°.5/30.9 18

1 2	9 18.05	+20 33.6	2.517	3.369	9.7	20.6
1 12	9 12.12	+21 16.4	2.453	3.377	6.7	20.4
1 22	9 4.67	+22 1.8	2.417	3.385	3.5	20.2
2 1	8 56.35	+22 45.3	2.410	3.392	1.6	20.1
2 11	8 48.01	+23 23.0	2.435	3.400	4.1	20.3
2 21	8 40.45	+23 52.0	2.489	3.406	7.3	20.5
3 2	8 34.36	+24 10.8	2.569	3.413	10.1	20.7
3 12	8 30.23	+24 19.3	2.673	3.419	12.5	20.8

162771 2000 WP_{169} 2 1.3 78°.84 0°.6/31.9 18

1 2	9 20.73	+15 6.9	1.470	2.331	14.7	19.7
1 12	9 14.69	+16 12.3	1.417	2.345	10.3	19.5
1 22	9 6.23	+17 29.2	1.389	2.359	5.3	19.2
2 1	8 56.39	+18 49.6	1.388	2.373	0.6	18.9
2 11	8 46.57	+20 4.9	1.415	2.387	5.3	19.3
2 21	8 38.11	+21 8.2	1.469	2.401	10.1	19.6
3 2	8 32.07	+21 55.9	1.547	2.414	14.2	19.9
3 12	8 29.03	+22 27.0	1.645	2.428	17.6	20.1

164217 2004 PT_{42} 2 1.3 149°.01 5°.8/ 6.6 18

1 2	9 28.48	− 7 8.2	2.001	2.741	15.9	21.8
1 12	9 19.65	− 5 34.1	1.918	2.759	12.7	21.6
1 22	9 8.69	− 3 28.2	1.862	2.775	9.3	21.4
2 1	8 56.47	− 0 54.6	1.837	2.789	6.4	21.2
2 11	8 44.14	+ 1 57.5	1.846	2.802	6.1	21.2
2 21	8 32.87	+ 4 55.8	1.890	2.813	8.8	21.4
3 2	8 23.63	+ 7 48.4	1.966	2.823	12.1	21.7
3 12	8 17.03	+10 26.1	2.070	2.832	15.2	21.9

325912 2010 UD_{77} 2 1.3 294°.34 1°.4/31.5 18

1 2	9 20.65	+19 27.8	1.706	2.568	13.0	20.5
1 12	9 14.60	+19 56.5	1.631	2.560	9.1	20.2
1 22	9 6.21	+20 30.3	1.582	2.552	4.7	19.9
2 1	8 56.40	+21 3.7	1.560	2.544	1.4	19.7
2 11	8 46.40	+21 31.3	1.566	2.536	5.3	19.9
2 21	8 37.51	+21 49.0	1.600	2.528	9.7	20.2
3 2	8 30.78	+21 55.2	1.658	2.521	13.7	20.4
3 12	8 26.89	+21 49.9	1.737	2.513	17.1	20.6

310929 2003 SN_{241} 2 1.3 71°.67 1°.3/31.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 23.20	+18 27.2	1.463	2.326	14.6	22.0
1 12	9 16.31	+19 6.2	1.418	2.347	10.2	21.8
1 22	9 7.00	+19 51.0	1.398	2.368	5.2	21.5
2 1	8 56.42	+20 34.9	1.404	2.389	1.3	21.3
2 11	8 46.04	+21 11.4	1.439	2.409	5.5	21.6
2 21	8 37.21	+21 36.5	1.500	2.430	10.1	22.0
3 2	8 30.93	+21 48.6	1.586	2.451	14.1	22.2
3 12	8 27.70	+21 48.3	1.691	2.471	17.3	22.5

66969 1999 XW_{54} 2 1.3 86°.26 0°.7/ 1.8 18

1 2	9 18.22	+13 35.0	2.001	2.848	12.0	19.3
1 12	9 12.53	+13 58.9	1.931	2.850	8.5	19.1
1 22	9 5.00	+14 31.9	1.886	2.852	4.6	18.9
2 1	8 56.38	+15 10.4	1.870	2.854	0.8	18.6
2 11	8 47.69	+15 49.7	1.883	2.856	4.0	18.8
2 21	8 39.91	+16 25.7	1.924	2.858	7.9	19.1
3 2	8 33.88	+16 55.3	1.992	2.860	11.5	19.3
3 12	8 30.16	+17 16.6	2.082	2.862	14.5	19.5

308205 2005 EO_{61} 2 1.3 326°.13 1°.3/ 1.9 18

1 2	9 18.18	+12 29.0	1.330	2.194	15.8	20.6
1 12	9 13.34	+12 51.0	1.255	2.181	11.4	20.3
1 22	9 5.76	+13 28.7	1.201	2.169	6.3	20.0
2 1	8 56.41	+14 17.5	1.173	2.157	1.4	19.6
2 11	8 46.73	+15 10.4	1.171	2.146	5.4	19.8
2 21	8 38.25	+16 0.4	1.194	2.136	10.8	20.1
3 2	8 32.26	+16 41.9	1.240	2.127	15.7	20.4
3 12	8 29.59	+17 11.3	1.305	2.118	19.8	20.6

453914 2011 VE_{10} 2 1.3 25°.71 1°.9/ 2.2 18

1 2	9 18.52	+12 2.9	1.054	1.929	18.2	20.8
1 12	9 13.60	+12 12.9	1.011	1.942	13.0	20.5
1 22	9 5.80	+12 40.2	0.988	1.957	7.2	20.3
2 1	8 56.41	+13 19.2	0.989	1.973	2.0	20.0
2 11	8 47.19	+14 2.4	1.014	1.990	5.7	20.3
2 21	8 39.75	+14 42.4	1.062	2.009	11.2	20.6
3 2	8 35.23	+15 14.1	1.132	2.028	16.0	21.0
3 12	8 34.19	+15 34.4	1.220	2.049	20.0	21.3

376700 2013 RO_{1} 2 1.3 139°.13 0°.4/31.9 18

1 2	9 20.17	+17 20.4	2.166	3.015	11.1	21.9
1 12	9 13.75	+17 43.8	2.100	3.022	7.8	21.7
1 22	9 5.57	+18 12.2	2.060	3.029	4.0	21.4
2 1	8 56.41	+18 41.7	2.050	3.035	0.4	21.2
2 11	8 47.23	+19 8.2	2.071	3.042	4.0	21.5
2 21	8 38.98	+19 28.8	2.120	3.048	7.7	21.7
3 2	8 32.45	+19 41.6	2.196	3.053	11.0	21.9
3 12	8 28.17	+19 46.0	2.294	3.059	13.8	22.1

155068 2005 SC_{59} 2 1.3 127°.70 2°.0/ 2.5 18

1 2	9 23.34	+10 5.7	1.626	2.465	14.7	20.3
1 12	9 16.31	+10 30.3	1.567	2.480	10.6	20.1
1 22	9 7.02	+11 9.3	1.532	2.494	6.1	19.9
2 1	8 56.45	+11 58.3	1.524	2.507	2.1	19.7
2 11	8 45.90	+12 51.3	1.546	2.519	4.7	19.9
2 21	8 36.61	+13 42.6	1.596	2.531	9.1	20.1
3 2	8 29.59	+14 27.4	1.671	2.542	13.1	20.4
3 12	8 25.42	+15 3.0	1.767	2.553	16.5	20.7

170385 2003 SN_{289} 2 1.3 248°.45 0°.3/ 1.1 18

1 2	9 21.00	+15 23.4	1.830	2.681	12.8	20.5
1 12	9 14.85	+16 10.6	1.742	2.665	9.1	20.2
1 22	9 6.41	+17 8.5	1.680	2.648	4.7	19.9
2 1	8 56.44	+18 11.5	1.646	2.631	0.3	19.6
2 11	8 46.11	+19 13.0	1.642	2.613	4.8	19.9
2 21	8 36.64	+20 7.2	1.666	2.595	9.3	20.1
3 2	8 29.14	+20 50.3	1.715	2.576	13.4	20.3
3 12	8 24.35	+21 20.3	1.786	2.557	16.9	20.5

192024 2005 YA_{176} 2 1.3 22°.37 0°.1/ 1.4 18

1 2	9 19.59	+15 49.2	1.752	2.608	13.0	20.2
1 12	9 13.68	+16 4.3	1.686	2.610	9.2	19.9
1 22	9 5.66	+16 27.0	1.644	2.613	4.8	19.7
2 1	8 56.43	+16 53.4	1.630	2.615	0.2	19.3
2 11	8 47.14	+17 18.6	1.645	2.618	4.5	19.7
2 21	8 38.95	+17 38.9	1.687	2.622	8.8	19.9
3 2	8 32.80	+17 51.9	1.755	2.625	12.7	20.2
3 12	8 29.28	+17 56.4	1.843	2.629	15.9	20.4

431560 2007 UK_{39} 2 1.3 96°.85 4°.2/ 4.5 18

1 2	9 16.66	+ 2 53.0	2.312	3.117	12.1	21.1
1 12	9 11.20	+ 2 48.0	2.240	3.125	9.3	20.9
1 22	9 4.23	+ 2 57.8	2.193	3.132	6.5	20.8
2 1	8 56.39	+ 3 21.5	2.174	3.138	4.4	20.7
2 11	8 48.50	+ 3 56.3	2.184	3.145	4.8	20.7
2 21	8 41.36	+ 4 38.3	2.222	3.152	7.3	20.9
3 2	8 35.67	+ 5 23.3	2.288	3.159	10.1	21.0
3 12	8 31.91	+ 6 7.2	2.377	3.166	12.6	21.2

242307 2003 WC_{80} 2 1.3 7°.88 0°.2/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 18.93	+17 16.5	1.652	2.514	13.3	20.0
1 12	9 13.30	+17 22.5	1.588	2.516	9.4	19.7
1 22	9 5.49	+17 34.6	1.548	2.518	4.9	19.5
2 1	8 56.43	+17 48.9	1.535	2.520	0.2	19.1
2 11	8 47.34	+18 1.1	1.550	2.524	4.7	19.5
2 21	8 39.43	+18 8.0	1.592	2.528	9.2	19.7
3 2	8 33.65	+18 7.7	1.659	2.533	13.1	20.0
3 12	8 30.59	+17 59.5	1.746	2.538	16.4	20.2

5498 Gustafsson 2 1.3 139°.68 1°.3/ 2.1 18

1 2	9 23.25	+11 58.3	1.643	2.487	14.3	18.0
1 12	9 16.29	+12 22.9	1.581	2.497	10.3	17.7
1 22	9 7.04	+13 0.0	1.542	2.507	5.7	17.5
2 1	8 56.47	+13 45.0	1.532	2.516	1.4	17.2
2 11	8 45.88	+14 32.1	1.551	2.524	4.6	17.5
2 21	8 36.52	+15 15.8	1.598	2.532	9.2	17.7
3 2	8 29.41	+15 52.3	1.670	2.540	13.2	18.0
3 12	8 25.17	+16 19.3	1.763	2.546	16.6	18.2

277353 2005 TE_{105} 2 1.3 153°.70 0°.5/ 1.6 18

1 2	9 24.98	+14 25.8	1.928	2.768	12.7	21.3
1 12	9 17.24	+14 48.6	1.863	2.779	9.0	21.1
1 22	9 7.45	+15 19.4	1.824	2.790	4.8	20.8
2 1	8 56.49	+15 54.2	1.814	2.799	0.5	20.5
2 11	8 45.52	+16 28.0	1.836	2.808	4.2	20.8
2 21	8 35.68	+16 57.0	1.886	2.815	8.4	21.1
3 2	8 27.87	+17 18.8	1.963	2.822	12.1	21.3
3 12	8 22.68	+17 32.2	2.063	2.827	15.1	21.6

226864 2004 TC_{39} 2 1.3 151°.77 3°.3/29.9 18

1 2	9 21.19	+25 30.8	2.098	2.956	11.0	20.7
1 12	9 14.62	+26 16.8	2.035	2.960	7.8	20.5
1 22	9 6.10	+27 1.7	1.999	2.964	4.6	20.3
2 1	8 56.46	+27 39.7	1.992	2.967	3.4	20.2
2 11	8 46.78	+28 5.9	2.015	2.970	5.8	20.3
2 21	8 38.14	+28 17.9	2.066	2.973	9.1	20.6
3 2	8 31.41	+28 15.6	2.142	2.976	12.2	20.8
3 12	8 27.14	+28 0.5	2.239	2.978	14.8	20.9

492772 2014 QX_{201} 2 1.3 254°.92 0°.6/ 1.6 17

1 2	9 22.58	+14 24.2	1.705	2.554	13.6	22.6
1 12	9 16.08	+14 43.3	1.616	2.537	9.8	22.3
1 22	9 7.10	+15 12.7	1.553	2.520	5.3	22.0
2 1	8 56.49	+15 48.2	1.517	2.502	0.6	21.6
2 11	8 45.50	+16 24.4	1.510	2.483	4.8	21.9
2 21	8 35.46	+16 56.5	1.531	2.464	9.6	22.1
3 2	8 27.57	+17 20.9	1.577	2.444	14.0	22.3
3 12	8 22.60	+17 35.9	1.643	2.424	17.7	22.5

366958 2005 WZ_{40} 2 1.3 148°.92 0°.1/ 1.4 18

1 2	9 20.26	+15 17.4	2.315	3.157	10.8	22.5
1 12	9 13.72	+15 44.3	2.248	3.166	7.6	22.3
1 22	9 5.55	+16 17.6	2.208	3.175	4.0	22.1
2 1	8 56.45	+16 53.5	2.198	3.183	0.2	21.8
2 11	8 47.32	+17 28.1	2.219	3.191	3.7	22.1
2 21	8 39.06	+17 58.1	2.270	3.198	7.2	22.3
3 2	8 32.40	+18 21.3	2.348	3.205	10.4	22.5
3 12	8 27.84	+18 36.5	2.449	3.211	13.0	22.7

432205 2009 DQ_{104} 2 1.3 210°.52 2°.2/ 3.2 18

1 2	9 15.23	+ 7 41.0	2.625	3.447	10.3	21.6
1 12	9 10.14	+ 8 1.8	2.543	3.445	7.6	21.5
1 22	9 3.68	+ 8 33.6	2.488	3.442	4.7	21.3
2 1	8 56.40	+ 9 14.4	2.462	3.440	2.3	21.1
2 11	8 49.02	+10 0.8	2.466	3.437	3.5	21.2
2 21	8 42.24	+10 49.2	2.500	3.434	6.3	21.4
3 2	8 36.72	+11 36.0	2.562	3.431	9.2	21.5
3 12	8 32.91	+12 18.3	2.647	3.428	11.7	21.7

123388 2000 WR_{69} 2 1.3 19°.42 5°.9/ 4.3 18

1 2	9 19.12	+ 3 9.9	1.599	2.422	15.7	19.1
1 12	9 13.44	+ 2 29.0	1.533	2.426	12.3	18.9
1 22	9 5.59	+ 2 6.9	1.490	2.431	8.7	18.7
2 1	8 56.45	+ 2 4.2	1.472	2.436	6.1	18.6
2 11	8 47.25	+ 2 18.6	1.481	2.442	6.7	18.6
2 21	8 39.17	+ 2 45.9	1.516	2.448	9.8	18.8
3 2	8 33.18	+ 3 20.4	1.575	2.455	13.3	19.0
3 12	8 29.90	+ 3 56.4	1.655	2.462	16.5	19.2

424588 2008 GT_{68} 2 1.3 270°.66 1°.0/31.6 17

1 2	9 19.45	+17 19.7	1.888	2.744	12.2	21.5
1 12	9 13.73	+18 7.8	1.801	2.727	8.6	21.2
1 22	9 5.82	+19 4.5	1.739	2.709	4.5	21.0
2 1	8 56.47	+20 4.0	1.706	2.691	1.0	20.7
2 11	8 46.79	+21 0.2	1.702	2.672	4.9	20.9
2 21	8 37.94	+21 47.7	1.727	2.654	9.2	21.1
3 2	8 30.98	+22 23.1	1.776	2.635	13.1	21.3
3 12	8 26.63	+22 45.2	1.847	2.616	16.5	21.5

400786 2010 ES_{133} 2 1.3 215.°49 0.°3/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 23.06	+15 10.1	1.712	2.562	13.6	21.7
1 12	9 16.28	+15 28.3	1.635	2.557	9.6	21.4
1 22	9 7.13	+15 55.3	1.583	2.551	5.1	21.2
2 1	8 56.51	+16 26.9	1.560	2.545	0.4	20.8
2 11	8 45.70	+16 57.7	1.565	2.538	4.7	21.1
2 21	8 35.98	+17 23.5	1.598	2.531	9.4	21.4
3 2	8 28.45	+17 41.4	1.657	2.523	13.5	21.6
3 12	8 23.78	+17 50.3	1.736	2.515	17.0	21.8

27128 1998 WB_{25} 2 1.3 189.°79 4.°0/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.25	+ 4 58.4	2.224	3.033	12.4	18.3
1 12	9 14.52	+ 4 38.2	2.143	3.032	9.5	18.1
1 22	9 6.03	+ 4 31.1	2.087	3.030	6.4	17.9
2 1	8 56.49	+ 4 36.4	2.059	3.028	4.1	17.7
2 11	8 46.82	+ 4 52.2	2.062	3.025	4.9	17.8
2 21	8 37.95	+ 5 15.1	2.094	3.022	7.8	18.0
3 2	8 30.69	+ 5 41.8	2.154	3.018	10.9	18.1
3 12	8 25.60	+ 6 8.4	2.236	3.014	13.7	18.3

127664 2003 DV_{14} 2 1.3 237.°76 0.°1/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 16.55	+16 0.9	2.657	3.502	9.5	20.2
1 12	9 11.11	+16 27.7	2.574	3.493	6.7	20.0
1 22	9 4.21	+17 0.1	2.518	3.485	3.5	19.8
2 1	8 56.44	+17 35.0	2.491	3.477	0.1	19.4
2 11	8 48.54	+18 8.9	2.496	3.468	3.3	19.7
2 21	8 41.27	+18 38.7	2.531	3.459	6.6	19.9
3 2	8 35.30	+19 2.4	2.593	3.450	9.5	20.1
3 12	8 31.13	+19 18.5	2.678	3.440	12.0	20.2

500542 2012 US_{25} 2 1.3 208.°06 1.°8/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.53	+22 54.8	2.779	3.628	9.0	21.9
1 12	9 13.12	+23 19.2	2.701	3.623	6.3	21.7
1 22	9 5.23	+23 43.8	2.650	3.617	3.4	21.5
2 1	8 56.47	+24 5.2	2.630	3.610	1.8	21.4
2 11	8 47.63	+24 20.2	2.642	3.604	4.1	21.6
2 21	8 39.49	+24 27.0	2.683	3.596	7.0	21.7
3 2	8 32.73	+24 24.7	2.751	3.589	9.7	21.9
3 12	8 27.85	+24 13.9	2.843	3.581	12.0	22.1

399101 2014 DJ_{48} 2 1.3 272.°02 0.°7/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.38	+16 50.4	1.388	2.251	15.3	21.6
1 12	9 17.15	+17 23.0	1.303	2.232	10.9	21.3
1 22	9 7.88	+18 6.4	1.243	2.213	5.7	21.0
2 1	8 56.55	+18 54.3	1.208	2.193	0.7	20.5
2 11	8 44.69	+19 39.0	1.201	2.173	5.9	20.9
2 21	8 34.00	+20 14.1	1.219	2.153	11.5	21.1
3 2	8 25.95	+20 36.1	1.261	2.132	16.5	21.3
3 12	8 21.48	+20 44.0	1.321	2.112	20.7	21.5

387826 2004 GD_{39} 2 1.3 244.°81 4.°0/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.91	+24 38.6	1.747	2.607	12.8	21.6
1 12	9 17.87	+25 48.0	1.663	2.588	9.2	21.4
1 22	9 8.13	+27 0.1	1.605	2.569	5.5	21.1
2 1	8 56.56	+28 6.1	1.575	2.550	4.1	21.0
2 11	8 44.53	+28 57.9	1.574	2.529	7.2	21.1
2 21	8 33.53	+29 30.5	1.601	2.507	11.3	21.3
3 2	8 24.86	+29 42.8	1.652	2.485	15.2	21.5
3 12	8 19.36	+29 36.8	1.722	2.462	18.5	21.7

84845 2003 AV_{22} 2 1.3 184.°94 1.°6/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.04	+ 8 50.1	2.028	2.861	12.5	19.2
1 12	9 12.46	+ 9 45.2	1.951	2.861	9.1	18.9
1 22	9 5.03	+10 55.3	1.900	2.861	5.2	18.7
2 1	8 56.47	+12 16.0	1.878	2.860	1.8	18.5
2 11	8 47.74	+13 41.1	1.886	2.860	4.0	18.6
2 21	8 39.83	+15 3.9	1.924	2.858	7.9	18.9
3 2	8 33.59	+16 19.1	1.988	2.857	11.5	19.1
3 12	8 29.63	+17 23.2	2.076	2.855	14.5	19.3

424874 2008 VE_{58} 2 1.3 91.°42 1.°7/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.77	+20 21.5	2.289	3.142	10.5	21.6
1 12	9 13.36	+21 18.5	2.243	3.168	7.2	21.4
1 22	9 5.34	+22 18.0	2.225	3.193	3.8	21.2
2 1	8 56.49	+23 14.5	2.237	3.219	1.8	21.1
2 11	8 47.72	+24 3.2	2.280	3.244	4.5	21.3
2 21	8 39.91	+24 41.1	2.352	3.268	7.7	21.6
3 2	8 33.77	+25 6.8	2.450	3.292	10.6	21.8
3 12	8 29.76	+25 20.5	2.571	3.315	12.9	22.0

424592 2008 GM_{100} 2 1.3 302.°60 7.°4/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 16.87	− 2 54.7	1.700	2.496	16.1	21.2
1 12	9 11.98	− 3 9.0	1.614	2.484	13.2	21.0
1 22	9 4.93	− 2 58.2	1.550	2.472	10.1	20.8
2 1	8 56.48	− 2 21.1	1.510	2.460	7.8	20.6
2 11	8 47.72	− 1 20.5	1.497	2.448	7.8	20.6
2 21	8 39.82	− 0 2.3	1.509	2.437	10.2	20.7
3 2	8 33.80	+ 1 25.3	1.546	2.426	13.5	20.9
3 12	8 30.41	+ 2 54.0	1.605	2.415	16.8	21.0

490643 2010 EW_{78} 2 1.3 354.°33 0.°6/ 1.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 18.94	+15 43.3	1.136	2.013	16.9	21.2
1 12	9 14.13	+16 27.0	1.074	2.009	11.9	20.9
1 22	9 6.28	+17 24.7	1.035	2.006	6.2	20.6
2 1	8 56.52	+18 28.9	1.019	2.004	0.6	20.2
2 11	8 46.56	+19 29.7	1.028	2.003	6.2	20.6
2 21	8 38.13	+20 19.2	1.062	2.002	12.0	20.9
3 2	8 32.63	+20 53.0	1.117	2.003	17.1	21.2
3 12	8 30.80	+21 9.5	1.189	2.004	21.2	21.4

393943 2005 UQ_{171} 2 1.3 74.°88 2.°7/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.80	+ 9 55.7	1.325	2.176	16.7	20.7
1 12	9 16.27	+10 2.4	1.272	2.190	12.1	20.5
1 22	9 7.14	+10 25.9	1.241	2.204	7.1	20.2
2 1	8 56.55	+11 2.0	1.236	2.218	2.8	20.0
2 11	8 46.04	+11 44.6	1.258	2.232	5.4	20.2
2 21	8 37.06	+12 27.3	1.306	2.246	10.2	20.5
3 2	8 30.71	+13 5.1	1.377	2.260	14.7	20.8
3 12	8 27.59	+13 34.4	1.468	2.274	18.3	21.1

395727 2012 UG_{41} 2 1.3 87.°20 2.°0/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.97	+10 38.6	1.305	2.160	16.6	20.7
1 12	9 15.87	+11 2.6	1.244	2.165	12.1	20.5
1 22	9 7.03	+11 43.9	1.206	2.171	6.8	20.2
2 1	8 56.55	+12 37.5	1.193	2.177	2.2	19.9
2 11	8 46.00	+13 36.0	1.207	2.182	5.4	20.1
2 21	8 36.89	+14 32.0	1.247	2.188	10.6	20.5
3 2	8 30.43	+15 19.7	1.311	2.194	15.3	20.7
3 12	8 27.31	+15 55.8	1.393	2.199	19.1	21.0

82332 Las Vegas 2 1.3 71.°79 1.°0/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.66	+16 59.9	1.674	2.520	14.0	18.6
1 12	9 20.03	+16 14.1	1.605	2.524	10.0	18.4
1 22	9 8.98	+15 31.2	1.563	2.529	5.4	18.1
2 1	8 56.61	+14 49.8	1.549	2.534	1.0	17.8
2 11	8 44.33	+14 8.7	1.566	2.538	4.8	18.1
2 21	8 33.47	+13 27.8	1.611	2.543	9.4	18.4
3 2	8 25.08	+12 47.2	1.683	2.548	13.4	18.6
3 12	8 19.74	+12 6.7	1.776	2.553	16.7	18.9

336537 2009 AL_{28} 2 1.3 114.°24 0.°3/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 17.08	+15 58.7	2.369	3.217	10.4	20.8
1 12	9 11.54	+16 43.1	2.303	3.225	7.2	20.6
1 22	9 4.46	+17 33.9	2.265	3.233	3.7	20.4
2 1	8 56.49	+18 26.9	2.257	3.242	0.3	20.1
2 11	8 48.47	+19 17.5	2.279	3.250	3.7	20.4
2 21	8 41.24	+20 1.9	2.330	3.258	7.1	20.6
3 2	8 35.49	+20 37.5	2.409	3.265	10.2	20.8
3 12	8 31.72	+21 3.2	2.510	3.273	12.7	21.0

307625 2003 SG_{57} 2 1.3 68.°11 1.°9/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.85	+19 51.1	1.424	2.290	14.8	20.1
1 12	9 16.85	+20 31.5	1.382	2.312	10.3	19.9
1 22	9 7.36	+21 16.3	1.364	2.334	5.3	19.7
2 1	8 56.58	+21 58.1	1.372	2.356	1.9	19.5
2 11	8 46.03	+22 30.5	1.409	2.378	5.9	19.8
2 21	8 37.11	+22 49.9	1.471	2.399	10.4	20.1
3 2	8 30.83	+22 55.4	1.558	2.421	14.4	20.4
3 12	8 27.68	+22 48.2	1.664	2.443	17.6	20.7

201771 2003 WS_{82} 2 1.3 77.°96 1.°6/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 17.09	+ 8 36.1	2.072	2.905	12.2	20.0
1 12	9 11.64	+ 9 33.0	2.013	2.923	8.8	19.8
1 22	9 4.53	+10 43.7	1.980	2.941	5.1	19.7
2 1	8 56.50	+12 3.5	1.976	2.958	1.8	19.5
2 11	8 48.46	+13 26.1	2.002	2.976	3.8	19.6
2 21	8 41.31	+14 45.6	2.058	2.994	7.4	19.9
3 2	8 35.80	+15 57.2	2.141	3.011	10.7	20.1
3 12	8 32.43	+16 57.7	2.247	3.029	13.5	20.3

110126 2001 SS_{144} 2 1.3 34.°88 6.°9/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 16.62	− 2 14.4	1.545	2.351	17.0	19.0
1 12	9 11.77	− 2 10.9	1.481	2.359	13.6	18.8
1 22	9 4.77	− 1 39.9	1.438	2.367	10.1	18.6
2 1	8 56.51	− 0 42.3	1.420	2.376	7.4	18.5
2 11	8 48.18	+ 0 36.9	1.428	2.386	7.3	18.5
2 21	8 40.94	+ 2 9.5	1.462	2.396	9.9	18.7
3 2	8 35.78	+ 3 46.3	1.520	2.406	13.3	18.9
3 12	8 33.29	+ 5 18.9	1.601	2.417	16.6	19.1

420396 2012 CD_{39} 2 1.3 196.°40 0.°6/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.33	+12 46.7	1.809	2.657	13.0	21.4
1 12	9 13.56	+13 29.3	1.736	2.656	9.3	21.1
1 22	9 5.69	+14 24.0	1.688	2.655	5.0	20.9
2 1	8 56.54	+15 25.8	1.669	2.654	0.7	20.6
2 11	8 47.24	+16 28.6	1.678	2.652	4.3	20.8
2 21	8 38.90	+17 26.4	1.716	2.650	8.7	21.1
3 2	8 32.49	+18 15.2	1.780	2.649	12.6	21.3
3 12	8 28.66	+18 52.3	1.865	2.647	15.9	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
88528 2001 QU_{177}			2 1.3 151.°44	6.°4/ 5.6 18		
	h m	° ′			°	m
1 2	9 19.54	− 2 14.0	2.117	2.898	13.9	18.8
1 12	9 13.39	− 2 41.6	2.043	2.903	11.2	18.7
1 22	9 5.49	− 2 50.0	1.992	2.908	8.6	18.5
2 1	8 56.56	− 2 38.8	1.968	2.913	6.7	18.4
2 11	8 47.53	− 2 9.7	1.972	2.918	6.7	18.4
2 21	8 39.33	− 1 26.9	2.004	2.922	8.7	18.5
3 2	8 32.77	− 0 35.5	2.062	2.926	11.4	18.7
3 12	8 28.39	+ 0 18.7	2.143	2.929	13.9	18.9
61663 2000 QB_{116}			2 1.3 54.°66	3.°1/30.4 18		
1 2	9 20.59	+20 1.6	1.351	2.224	15.0	18.4
1 12	9 14.94	+21 31.9	1.299	2.233	10.4	18.2
1 22	9 6.57	+23 9.7	1.271	2.242	5.6	17.9
2 1	8 56.59	+24 44.2	1.270	2.251	3.2	17.8
2 11	8 46.54	+26 5.0	1.296	2.260	7.1	18.1
2 21	8 37.96	+27 5.2	1.347	2.269	11.7	18.3
3 2	8 32.03	+27 42.8	1.421	2.279	15.9	18.6
3 12	8 29.42	+27 58.9	1.514	2.289	19.2	18.9
162452 2000 HO_{14}			2 1.3 266.°42	3.°1/ 3.1 17		
1 2	9 23.56	+ 7 11.8	2.004	2.823	13.2	22.8
1 12	9 16.72	+ 7 21.6	1.889	2.788	10.0	22.6
1 22	9 7.52	+ 7 46.5	1.798	2.752	6.3	22.3
2 1	8 56.63	+ 8 25.1	1.737	2.714	3.2	22.0
2 11	8 45.08	+ 9 13.5	1.705	2.675	4.9	22.0
2 21	8 34.08	+10 7.0	1.704	2.635	9.0	22.2
3 2	8 24.77	+11 0.4	1.729	2.594	13.2	22.3
3 12	8 18.03	+11 49.1	1.777	2.551	16.8	22.5
254705 2005 ND_{3}			2 1.3 129.°30	0.°5/ 1.8 18		
1 2	9 19.96	+11 28.1	2.161	2.996	11.7	20.8
1 12	9 13.64	+12 39.4	2.099	3.012	8.3	20.6
1 22	9 5.60	+14 2.2	2.063	3.028	4.4	20.4
2 1	8 56.57	+15 30.8	2.058	3.043	0.6	20.1
2 11	8 47.48	+16 58.7	2.084	3.057	3.8	20.4
2 21	8 39.28	+18 19.9	2.141	3.070	7.6	20.6
3 2	8 32.74	+19 30.4	2.225	3.083	10.9	20.9
3 12	8 28.39	+20 27.9	2.333	3.095	13.6	21.1
502446 2015 BT_{278}			2 1.3 263.°70	0.°0/ 1.3 17		
1 2	9 17.89	+15 49.4	2.283	3.130	10.7	21.5
1 12	9 12.28	+16 14.2	2.198	3.119	7.6	21.3
1 22	9 4.94	+16 45.6	2.140	3.108	4.0	21.1
2 1	8 56.55	+17 20.3	2.111	3.096	0.1	20.7
2 11	8 47.98	+17 54.0	2.112	3.084	3.8	21.0
2 21	8 40.14	+18 23.4	2.142	3.073	7.5	21.2
3 2	8 33.82	+18 45.9	2.199	3.061	10.8	21.4
3 12	8 29.61	+19 0.2	2.279	3.049	13.7	21.6
176729 2002 RG_{43}			2 1.3 98.°76	1.°9/31.2 18		
1 2	9 22.90	+20 24.1	1.739	2.598	12.9	20.9
1 12	9 15.97	+21 6.7	1.687	2.614	9.0	20.7
1 22	9 6.88	+21 52.6	1.661	2.630	4.7	20.5
2 1	8 56.61	+22 35.6	1.663	2.646	1.9	20.4
2 11	8 46.44	+23 10.0	1.695	2.661	5.3	20.6
2 21	8 37.56	+23 32.3	1.754	2.677	9.4	20.9
3 2	8 30.90	+23 41.7	1.838	2.692	13.0	21.1
3 12	8 27.00	+23 38.9	1.942	2.706	15.9	21.4
112039 2002 HU_{13}			2 1.3 120.°54	4.°5/28.5 18		
1 2	9 23.61	+25 17.8	1.897	2.756	12.0	19.4
1 12	9 16.57	+27 18.9	1.850	2.775	8.5	19.2
1 22	9 7.27	+29 19.8	1.831	2.792	5.4	19.1
2 1	8 56.63	+31 10.2	1.843	2.809	4.8	19.1
2 11	8 45.90	+32 41.5	1.884	2.826	7.4	19.3
2 21	8 36.33	+33 49.2	1.954	2.841	10.6	19.5
3 2	8 28.92	+34 32.9	2.048	2.856	13.6	19.7
3 12	8 24.31	+34 55.1	2.162	2.871	16.1	19.9
333093 2011 UN_{238}			2 1.3 220.°47	0.°3/ 1.1 18		
1 2	9 22.87	+16 26.9	1.870	2.719	12.6	21.4
1 12	9 16.09	+16 56.3	1.789	2.711	8.9	21.1
1 22	9 7.06	+17 33.2	1.734	2.702	4.7	20.9
2 1	8 56.63	+18 13.0	1.707	2.692	0.3	20.5
2 11	8 45.95	+18 50.3	1.710	2.681	4.6	20.8
2 21	8 36.24	+19 20.8	1.741	2.670	9.0	21.0
3 2	8 28.54	+19 41.8	1.799	2.658	13.0	21.3
3 12	8 23.54	+19 52.5	1.877	2.646	16.2	21.5
149010 2002 AX_{43}			2 1.3 57.°70	0.°1/ 1.4 18		
1 2	9 18.96	+14 35.4	1.725	2.580	13.2	20.3
1 12	9 13.29	+15 13.1	1.663	2.587	9.3	20.1
1 22	9 5.54	+16 0.7	1.627	2.595	4.9	19.8
2 1	8 56.58	+16 53.0	1.618	2.603	0.2	19.5
2 11	8 47.58	+17 44.0	1.637	2.611	4.5	19.8
2 21	8 39.68	+18 28.6	1.684	2.619	8.9	20.1
3 2	8 33.81	+19 3.4	1.757	2.627	12.7	20.4
3 12	8 30.54	+19 26.8	1.850	2.635	15.9	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
112147 2002 JH_{65}			2 1.3 234.°59	2.°1/ 2.6 18		
	h m	° ′			°	m
1 2	9 20.72	+ 9 48.4	1.915	2.749	13.0	20.8
1 12	9 14.54	+10 6.6	1.828	2.738	9.6	20.5
1 22	9 6.25	+10 38.0	1.765	2.726	5.6	20.3
2 1	8 56.61	+11 19.9	1.731	2.713	2.2	20.0
2 11	8 46.69	+12 7.5	1.727	2.700	4.4	20.1
2 21	8 37.61	+12 55.9	1.751	2.686	8.5	20.3
3 2	8 30.36	+13 40.4	1.801	2.672	12.4	20.6
3 12	8 25.62	+14 17.9	1.874	2.657	15.8	20.7
467625 2008 GR_{102}			2 1.3 299.°57	1.°7/31.3 17		
1 2	9 19.27	+18 52.6	1.636	2.501	13.3	21.5
1 12	9 13.90	+19 42.6	1.554	2.484	9.3	21.3
1 22	9 6.06	+20 40.7	1.497	2.467	4.9	21.0
2 1	8 56.61	+21 40.4	1.466	2.450	1.7	20.7
2 11	8 46.80	+22 34.3	1.464	2.433	5.7	20.9
2 21	8 37.99	+23 16.6	1.489	2.417	10.3	21.1
3 2	8 31.35	+23 44.1	1.538	2.400	14.6	21.4
3 12	8 27.67	+23 56.4	1.606	2.385	18.1	21.6
239413 2007 TD_{68}			2 1.3 113.°69	8.°3/24.0 18		
1 2	9 23.84	+44 13.1	2.472	3.299	10.7	19.9
1 12	9 16.70	+45 48.1	2.437	3.310	9.1	19.8
1 22	9 7.33	+47 8.5	2.428	3.321	8.4	19.8
2 1	8 56.66	+48 6.9	2.446	3.331	8.7	19.8
2 11	8 45.94	+48 39.2	2.491	3.342	9.9	19.9
2 21	8 36.38	+48 45.3	2.560	3.352	11.6	20.1
3 2	8 28.99	+48 27.7	2.650	3.362	13.3	20.2
3 12	8 24.36	+47 51.3	2.758	3.372	14.7	20.4
163739 2003 KE_{19}			2 1.3 228.°87	0.°0/ 1.3 18		
1 2	9 21.53	+14 20.6	1.875	2.722	12.7	21.1
1 12	9 15.20	+15 8.4	1.790	2.710	9.0	20.8
1 22	9 6.65	+16 7.4	1.731	2.698	4.8	20.6
2 1	8 56.65	+17 12.3	1.700	2.685	0.2	20.1
2 11	8 46.34	+18 16.6	1.700	2.672	4.5	20.5
2 21	8 36.89	+19 14.4	1.728	2.658	9.0	20.7
3 2	8 29.37	+20 1.8	1.782	2.643	13.0	20.9
3 12	8 24.49	+20 36.7	1.858	2.627	16.4	21.1
457042 2008 CT_{203}			2 1.3 312.°59	0.°4/ 1.1 17		
1 2	9 18.47	+15 41.1	1.499	2.364	14.3	21.3
1 12	9 13.46	+16 23.5	1.419	2.348	10.1	21.0
1 22	9 5.89	+17 17.9	1.363	2.333	5.3	20.6
2 1	8 56.64	+18 18.4	1.332	2.318	0.4	20.2
2 11	8 47.03	+19 17.5	1.330	2.303	5.3	20.6
2 21	8 38.47	+20 8.4	1.353	2.289	10.4	20.8
3 2	8 32.20	+20 46.6	1.400	2.275	15.0	21.0
3 12	8 29.01	+21 10.4	1.466	2.261	18.8	21.3
55505 2001 UK_{113}			2 1.3 319.°67	0.°9/31.5 18		
1 2	9 14.40	+19 1.6	2.766	3.619	8.9	19.0
1 12	9 9.63	+19 35.0	2.685	3.610	6.2	18.8
1 22	9 3.50	+20 12.2	2.632	3.601	3.2	18.6
2 1	8 56.56	+20 49.6	2.608	3.592	0.9	18.4
2 11	8 49.51	+21 23.8	2.614	3.583	3.5	18.6
2 21	8 43.05	+21 52.1	2.650	3.574	6.6	18.8
3 2	8 37.81	+22 12.5	2.713	3.566	9.3	18.9
3 12	8 34.27	+22 24.3	2.799	3.558	11.7	19.1
231590 2008 UZ_{315}			2 1.3 140.°19	1.°7/ 2.5 18		
1 2	9 18.75	+10 51.1	2.234	3.068	11.4	20.8
1 12	9 12.79	+10 58.6	2.162	3.072	8.3	20.6
1 22	9 5.18	+11 15.8	2.117	3.077	4.8	20.4
2 1	8 56.62	+11 40.1	2.100	3.082	1.8	20.2
2 11	8 48.02	+12 8.3	2.113	3.086	3.7	20.3
2 21	8 40.24	+12 36.9	2.156	3.090	7.2	20.5
3 2	8 34.02	+13 2.8	2.226	3.094	10.4	20.8
3 12	8 29.90	+13 23.9	2.318	3.098	13.2	21.0
473623 2015 XA_{292}			2 1.3 208.°41	1.°4/ 2.1 18		
1 2	9 21.55	+12 17.0	1.527	2.378	14.8	21.6
1 12	9 15.41	+12 36.6	1.457	2.377	10.7	21.4
1 22	9 6.80	+13 9.4	1.411	2.376	5.9	21.1
2 1	8 56.68	+13 51.2	1.391	2.375	1.5	20.8
2 11	8 46.40	+14 36.0	1.399	2.374	4.9	21.0
2 21	8 37.31	+15 18.0	1.435	2.372	9.8	21.3
3 2	8 30.54	+15 52.9	1.494	2.371	14.1	21.5
3 12	8 26.78	+16 18.1	1.574	2.369	17.7	21.8
249536 2010 GF_{156}			2 1.3 214.°73	7.°3/ 9.0 17		
1 2	9 14.96	−11 47.8	2.717	3.430	12.7	21.0
1 12	9 10.02	−11 44.5	2.626	3.426	11.0	20.9
1 22	9 3.72	−11 19.2	2.558	3.421	9.2	20.7
2 1	8 56.59	−10 31.3	2.515	3.417	7.8	20.6
2 11	8 49.33	− 9 22.5	2.499	3.412	7.4	20.6
2 21	8 42.64	− 7 57.0	2.512	3.407	8.2	20.6
3 2	8 37.14	− 6 20.4	2.552	3.402	9.9	20.7
3 12	8 33.33	− 4 39.3	2.617	3.396	11.9	20.9

28243 1999 AA_{23} 2 1.3 353°.36 6°.1/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 21.10	+27 3.0	1.133	2.019	16.2	17.2
1 12	9 15.91	+28 15.7	1.078	2.014	11.8	16.9
1 22	9 7.35	+29 27.3	1.045	2.010	7.5	16.7
2 1	8 56.71	+30 25.6	1.036	2.008	6.4	16.6
2 11	8 45.94	+31 0.4	1.050	2.006	9.7	16.8
2 21	8 36.95	+31 7.7	1.088	2.005	14.4	17.0
3 2	8 31.22	+30 48.8	1.145	2.005	18.7	17.3
3 12	8 29.46	+30 8.6	1.219	2.006	22.4	17.5

386549 2009 DC_{17} 2 1.3 6°.39 6°.2/ 6.0 18

1 2	9 12.50	− 1 8.1	1.540	2.358	16.5	19.8
1 12	9 8.96	− 0 47.1	1.473	2.359	13.1	19.6
1 22	9 3.38	+ 0 1.5	1.426	2.362	9.5	19.4
2 1	8 56.59	+ 1 16.2	1.404	2.367	6.6	19.2
2 11	8 49.68	+ 2 50.8	1.408	2.372	6.6	19.2
2 21	8 43.76	+ 4 36.5	1.439	2.379	9.4	19.4
3 2	8 39.78	+ 6 23.6	1.493	2.387	13.0	19.6
3 12	8 38.35	+ 8 3.6	1.570	2.397	16.3	19.9

204797 2006 QO_{116} 2 1.3 218°.39 0°.2/ 1.2 18

1 2	9 18.92	+17 22.9	2.453	3.299	10.1	20.1
1 12	9 12.86	+17 34.1	2.375	3.296	7.1	19.9
1 22	9 5.23	+17 49.4	2.325	3.292	3.7	19.7
2 1	8 56.67	+18 5.9	2.304	3.289	0.2	19.4
2 11	8 48.03	+18 20.4	2.314	3.285	3.6	19.6
2 21	8 40.15	+18 30.6	2.353	3.281	7.0	19.9
3 2	8 33.76	+18 35.0	2.420	3.278	10.1	20.0
3 12	8 29.35	+18 32.8	2.509	3.274	12.7	20.2

496086 2009 SC_{150} 2 1.3 72°.89 2°.1/31.2 18

1 2	9 22.82	+21 58.7	1.779	2.639	12.6	21.2
1 12	9 15.88	+22 24.6	1.728	2.655	8.8	21.0
1 22	9 6.85	+22 51.8	1.703	2.672	4.7	20.8
2 1	8 56.72	+23 14.6	1.707	2.689	2.1	20.7
2 11	8 46.73	+23 28.8	1.739	2.705	5.3	20.9
2 21	8 38.05	+23 32.0	1.799	2.722	9.2	21.2
3 2	8 31.55	+23 23.9	1.884	2.738	12.7	21.4
3 12	8 27.76	+23 5.7	1.990	2.755	15.6	21.6

226002 2002 DK_{12} 2 1.3 279°.70 4°.3/28.9 18

1 2	9 19.48	+25 43.7	1.940	2.804	11.5	19.8
1 12	9 13.89	+27 10.6	1.862	2.789	8.3	19.6
1 22	9 6.04	+28 39.6	1.810	2.773	5.2	19.3
2 1	8 56.70	+30 2.5	1.787	2.757	4.5	19.3
2 11	8 47.02	+31 11.3	1.793	2.741	7.1	19.4
2 21	8 38.20	+32 1.1	1.827	2.725	10.6	19.6
3 2	8 31.35	+32 30.1	1.884	2.709	14.0	19.7
3 12	8 27.19	+32 39.7	1.961	2.693	16.8	19.9

65435 2002 TQ_{253} 2 1.3 164°.28 0°.4/ 1.6 18

1 2	9 23.19	+13 33.7	1.640	2.488	14.1	20.4
1 12	9 16.43	+14 15.3	1.573	2.493	10.0	20.1
1 22	9 7.30	+15 8.7	1.530	2.497	5.4	19.8
2 1	8 56.75	+16 8.5	1.516	2.501	0.5	19.5
2 11	8 46.07	+17 7.6	1.531	2.504	4.8	19.8
2 21	8 36.58	+18 0.1	1.574	2.506	9.5	20.1
3 2	8 29.33	+18 42.1	1.642	2.508	13.6	20.4
3 12	8 25.00	+19 11.8	1.730	2.509	17.0	20.6

37004 2000 TN_{36} 2 1.3 38°.12 4°.1/29.8 18

1 2	9 20.93	+25 46.2	1.680	2.548	12.8	19.2
1 12	9 14.86	+26 43.5	1.625	2.554	9.1	19.0
1 22	9 6.46	+27 39.8	1.595	2.560	5.5	18.8
2 1	8 56.72	+28 27.3	1.592	2.566	4.2	18.7
2 11	8 46.98	+28 59.9	1.617	2.572	7.0	18.9
2 21	8 38.52	+29 14.5	1.669	2.579	10.7	19.1
3 2	8 32.36	+29 11.2	1.744	2.586	14.1	19.4
3 12	8 29.10	+28 52.4	1.838	2.593	17.0	19.6

233019 2005 EG_{251} 2 1.3 224°.26 0°.7/ 1.9 17

1 2	9 18.06	+13 31.0	2.584	3.421	10.0	20.6
1 12	9 12.25	+13 48.2	2.498	3.412	7.1	20.4
1 22	9 4.93	+14 12.6	2.439	3.403	3.9	20.2
2 1	8 56.68	+14 41.4	2.410	3.394	0.8	19.9
2 11	8 48.29	+15 11.3	2.411	3.384	3.3	20.1
2 21	8 40.54	+15 39.4	2.443	3.374	6.6	20.3
3 2	8 34.14	+16 3.2	2.503	3.364	9.7	20.5
3 12	8 29.59	+16 21.0	2.585	3.353	12.3	20.6

495211 2013 CP_{180} 2 1.3 344°.65 5°.3/ 4.4 18

1 2	9 16.40	+ 3 26.7	1.211	2.056	18.3	21.2
1 12	9 12.26	+ 3 41.9	1.141	2.049	14.1	20.9
1 22	9 5.37	+ 4 25.6	1.090	2.043	9.5	20.7
2 1	8 56.70	+ 5 35.8	1.063	2.038	5.7	20.4
2 11	8 47.73	+ 7 5.2	1.061	2.033	6.6	20.5
2 21	8 40.00	+ 8 43.4	1.083	2.029	11.1	20.7
3 2	8 34.82	+10 19.6	1.128	2.027	15.9	21.0
3 12	8 33.00	+11 45.0	1.192	2.025	20.1	21.2

171040 2005 ES_{79} 2 1.3 320°.39 3°.7/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 20.14	+22 46.4	1.379	2.255	14.6	20.1
1 12	9 14.89	+23 50.7	1.309	2.243	10.3	19.8
1 22	9 6.75	+25 0.1	1.262	2.231	5.8	19.5
2 1	8 56.76	+26 5.1	1.241	2.219	3.9	19.4
2 11	8 46.44	+26 56.6	1.246	2.209	7.5	19.5
2 21	8 37.43	+27 28.9	1.276	2.198	12.2	19.8
3 2	8 31.06	+27 40.1	1.328	2.188	16.6	20.0
3 12	8 28.15	+27 32.0	1.398	2.179	20.3	20.2

180647 2004 GQ_{27} 2 1.3 194°.87 3°.4/29.1 18

1 2	9 21.31	+27 3.3	2.732	3.581	9.1	20.9
1 12	9 14.58	+28 9.9	2.659	3.578	6.5	20.7
1 22	9 6.17	+29 15.4	2.615	3.574	4.1	20.5
2 1	8 56.74	+30 14.1	2.602	3.569	3.5	20.5
2 11	8 47.15	+31 1.4	2.620	3.564	5.4	20.6
2 21	8 38.26	+31 34.6	2.668	3.557	8.1	20.8
3 2	8 30.85	+31 52.9	2.742	3.550	10.6	20.9
3 12	8 25.47	+31 57.6	2.839	3.542	12.7	21.1

312550 2009 FZ_{34} 2 1.3 324°.04 2°.3/31.1 15

1 2	9 19.36	+19 38.5	1.300	2.177	15.2	21.0
1 12	9 14.43	+20 27.0	1.227	2.162	10.8	20.7
1 22	9 6.56	+21 24.3	1.176	2.147	5.7	20.4
2 1	8 56.76	+22 22.2	1.150	2.133	2.3	20.1
2 11	8 46.58	+23 11.9	1.150	2.120	6.7	20.3
2 21	8 37.70	+23 46.9	1.175	2.108	12.0	20.6
3 2	8 31.51	+24 4.2	1.222	2.096	16.8	20.8
3 12	8 28.85	+24 3.9	1.287	2.086	20.8	21.1

320677 2008 CR_{197} 2 1.3 22°.28 3°.5/30.7 18

1 2	9 21.94	+23 40.1	1.318	2.194	15.1	20.8
1 12	9 15.93	+24 15.3	1.267	2.200	10.6	20.6
1 22	9 7.14	+24 51.1	1.238	2.207	5.9	20.3
2 1	8 56.78	+25 19.6	1.235	2.215	3.5	20.2
2 11	8 46.50	+25 34.6	1.258	2.223	7.0	20.5
2 21	8 37.84	+25 33.0	1.306	2.232	11.6	20.7
3 2	8 31.99	+25 15.5	1.376	2.242	15.8	21.0
3 12	8 29.51	+24 44.3	1.465	2.252	19.2	21.3

409755 2006 DW_{85} 2 1.3 254°.08 2°.5/30.9 17

1 2	9 24.42	+22 5.2	1.767	2.625	12.8	22.2
1 12	9 17.49	+22 43.3	1.681	2.607	9.1	21.9
1 22	9 8.00	+23 24.6	1.620	2.588	5.0	21.6
2 1	8 56.82	+24 2.6	1.588	2.569	2.6	21.4
2 11	8 45.27	+24 30.9	1.584	2.549	6.0	21.6
2 21	8 34.75	+24 45.8	1.609	2.528	10.3	21.8
3 2	8 26.45	+24 46.0	1.658	2.507	14.4	22.0
3 12	8 21.16	+24 32.7	1.727	2.486	17.8	22.2

348977 2006 UF_{117} 2 1.3 178°.78 1°.1/ 2.4 17

1 2	9 16.47	+11 27.5	2.899	3.728	9.2	22.0
1 12	9 10.97	+11 46.5	2.821	3.730	6.6	21.8
1 22	9 4.20	+12 13.0	2.769	3.730	3.8	21.6
2 1	8 56.69	+12 44.8	2.748	3.731	1.2	21.4
2 11	8 49.10	+13 18.8	2.758	3.731	3.0	21.6
2 21	8 42.10	+13 52.3	2.799	3.731	5.9	21.8
3 2	8 36.28	+14 22.7	2.867	3.730	8.6	21.9
3 12	8 32.06	+14 48.3	2.960	3.729	10.9	22.1

453260 2008 SG_{181} 2 1.3 206°.22 0°.4/ 1.6 18

1 2	9 22.90	+14 2.2	1.712	2.560	13.7	22.5
1 12	9 16.26	+14 35.2	1.635	2.555	9.7	22.2
1 22	9 7.27	+15 19.2	1.584	2.551	5.2	22.0
2 1	8 56.80	+16 9.2	1.560	2.545	0.5	21.6
2 11	8 46.10	+16 59.2	1.566	2.539	4.7	21.9
2 21	8 36.45	+17 43.6	1.600	2.533	9.4	22.2
3 2	8 28.96	+18 18.8	1.659	2.525	13.5	22.4
3 12	8 24.31	+18 43.0	1.739	2.518	17.0	22.6

197373 2003 XD_{36} 2 1.3 81°.16 5°.4/28.4 18

1 2	9 21.75	+31 49.6	2.079	2.937	11.2	19.9
1 12	9 15.15	+32 51.7	2.031	2.948	8.3	19.8
1 22	9 6.52	+33 47.2	2.009	2.959	6.0	19.6
2 1	8 56.76	+34 29.2	2.015	2.971	5.6	19.6
2 11	8 47.06	+34 53.1	2.049	2.982	7.5	19.8
2 21	8 38.53	+34 57.3	2.111	2.993	10.2	20.0
3 2	8 32.05	+34 43.1	2.196	3.004	12.8	20.2
3 12	8 28.15	+34 13.8	2.301	3.015	15.1	20.3

284945 Saint–Imier 2 1.3 307°.23 1°.9/31.1 18

1 2	9 19.05	+21 32.8	2.103	2.962	11.0	20.5
1 12	9 13.25	+22 2.2	2.029	2.955	7.7	20.2
1 22	9 5.55	+22 33.8	1.980	2.949	4.1	20.0
2 1	8 56.74	+23 3.0	1.960	2.942	1.9	19.8
2 11	8 47.80	+23 25.4	1.970	2.936	4.8	20.0
2 21	8 39.76	+23 38.2	2.008	2.930	8.5	20.2
3 2	8 33.47	+23 40.1	2.072	2.924	11.8	20.4
3 12	8 29.51	+23 31.5	2.157	2.918	14.6	20.6

467439 2006 AV_{17} 2 1.3 343°.20 2°.5/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 20.05	+11 0.4	1.709	2.553	13.8	20.9
1 12	9 14.17	+10 44.0	1.634	2.549	10.1	20.7
1 22	9 6.12	+10 38.9	1.584	2.545	6.0	20.4
2 1	8 56.76	+10 43.1	1.561	2.542	2.6	20.2
2 11	8 47.27	+10 53.5	1.566	2.539	4.7	20.3
2 21	8 38.81	+11 6.7	1.599	2.537	8.9	20.5
3 2	8 32.40	+11 19.2	1.656	2.534	12.9	20.8
3 12	8 28.65	+11 28.4	1.734	2.533	16.2	21.0

462682 2009 UD_{93} 2 1.3 56°.06 5°.1/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.84	+29 9.4	1.650	2.515	13.2	20.7
1 12	9 16.78	+30 0.5	1.611	2.536	9.5	20.5
1 22	9 7.38	+30 45.6	1.598	2.557	6.2	20.3
2 1	8 56.79	+31 17.0	1.611	2.579	5.3	20.3
2 11	8 46.46	+31 29.9	1.653	2.600	7.6	20.5
2 21	8 37.68	+31 23.2	1.720	2.622	11.0	20.8
3 2	8 31.40	+30 59.0	1.811	2.644	14.1	21.0
3 12	8 28.09	+30 20.8	1.921	2.666	16.7	21.2

369611 2011 CW_{68} 2 1.3 320°.92 3°.3/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.32	+26 20.8	1.757	2.615	12.8	19.9
1 12	9 18.59	+26 21.9	1.686	2.610	9.2	19.6
1 22	9 8.41	+26 18.8	1.641	2.606	5.3	19.4
2 1	8 56.84	+26 6.3	1.623	2.602	3.3	19.3
2 11	8 45.27	+25 41.2	1.636	2.597	6.1	19.4
2 21	8 35.06	+25 2.9	1.675	2.594	10.1	19.6
3 2	8 27.27	+24 13.3	1.740	2.590	13.8	19.9
3 12	8 22.51	+23 15.5	1.826	2.586	16.9	20.1

190338 1998 SZ_{108} 2 1.3 138°.30 3°.5/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.16	+ 6 31.4	1.702	2.528	14.8	20.4
1 12	9 16.24	+ 6 38.8	1.638	2.539	11.1	20.2
1 22	9 7.15	+ 7 3.1	1.597	2.550	7.0	20.0
2 1	8 56.80	+ 7 41.5	1.584	2.561	3.7	19.8
2 11	8 46.41	+ 8 29.2	1.600	2.571	5.1	19.9
2 21	8 37.19	+ 9 20.6	1.645	2.580	8.9	20.1
3 2	8 30.09	+10 10.3	1.715	2.588	12.8	20.4
3 12	8 25.72	+10 54.2	1.806	2.596	16.0	20.6

197293 2003 WT_{121} 2 1.3 119°.21 4°.4/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.50	+29 12.9	2.258	3.116	10.4	20.1
1 12	9 14.17	+30 14.2	2.203	3.123	7.6	19.9
1 22	9 5.99	+31 11.8	2.174	3.131	5.1	19.8
2 1	8 56.76	+31 59.3	2.175	3.138	4.5	19.8
2 11	8 47.51	+32 32.0	2.205	3.145	6.5	19.9
2 21	8 39.24	+32 47.9	2.263	3.152	9.3	20.1
3 2	8 32.78	+32 47.2	2.345	3.159	11.9	20.3
3 12	8 28.67	+32 31.9	2.448	3.166	14.2	20.5

365656 2010 VQ_{31} 2 1.3 63°.91 0°.6/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.88	+16 22.4	1.573	2.433	14.0	20.7
1 12	9 14.73	+17 6.4	1.524	2.451	9.7	20.5
1 22	9 6.35	+17 58.7	1.500	2.469	5.0	20.3
2 1	8 56.77	+18 52.9	1.503	2.488	0.6	20.0
2 11	8 47.29	+19 42.4	1.534	2.506	4.9	20.3
2 21	8 39.13	+20 22.3	1.593	2.525	9.4	20.6
3 2	8 33.24	+20 49.9	1.676	2.544	13.3	20.9
3 12	8 30.17	+21 4.7	1.779	2.562	16.5	21.2

495479 2014 UN_{31} 2 1.3 160°.37 2°.9/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.41	+ 6 11.8	2.392	3.203	11.5	22.5
1 12	9 13.89	+ 6 20.8	2.318	3.211	8.6	22.3
1 22	9 5.78	+ 6 42.3	2.270	3.219	5.5	22.2
2 1	8 56.76	+ 7 14.3	2.251	3.226	3.1	22.0
2 11	8 47.69	+ 7 53.7	2.263	3.231	4.0	22.1
2 21	8 39.38	+ 8 36.5	2.306	3.237	7.0	22.3
3 2	8 32.56	+ 9 19.0	2.376	3.241	10.0	22.5
3 12	8 27.74	+ 9 58.0	2.470	3.245	12.6	22.7

199496 2006 DA_{94} 2 1.3 22°.67 0°.7/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.28	+13 23.8	1.961	2.809	12.2	20.2
1 12	9 12.72	+13 48.2	1.890	2.809	8.7	20.0
1 22	9 5.29	+14 22.3	1.844	2.810	4.7	19.8
2 1	8 56.75	+15 2.2	1.826	2.811	0.8	19.5
2 11	8 48.10	+15 43.2	1.838	2.812	4.0	19.7
2 21	8 40.37	+16 21.0	1.878	2.813	8.0	20.0
3 2	8 34.40	+16 52.3	1.944	2.814	11.6	20.2
3 12	8 30.77	+17 15.1	2.032	2.815	14.7	20.4

362767 2011 WA_{57} 2 1.3 344°.66 0°.2/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.56	+14 36.7	1.276	2.146	15.9	20.9
1 12	9 13.74	+15 7.5	1.209	2.139	11.3	20.6
1 22	9 6.13	+15 52.0	1.163	2.133	6.0	20.2
2 1	8 56.78	+16 44.3	1.143	2.128	0.4	19.8
2 11	8 47.19	+17 36.4	1.148	2.123	5.5	20.2
2 21	8 38.92	+18 21.6	1.178	2.119	11.0	20.5
3 2	8 33.26	+18 55.0	1.231	2.116	15.9	20.7
3 12	8 30.97	+19 14.4	1.302	2.114	19.9	21.0

497257 2005 JY 2 1.3 188°.21 5°.3/ 8.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 14.90	−10 12.9	4.005	4.707	9.1	23.2
1 12	9 9.63	−10 20.7	3.913	4.706	7.8	23.1
1 22	9 3.44	−10 14.6	3.844	4.704	6.5	23.0
2 1	8 56.69	− 9 54.2	3.804	4.701	5.5	22.9
2 11	8 49.86	− 9 20.4	3.792	4.698	5.3	22.9
2 21	8 43.42	− 8 35.5	3.810	4.694	6.0	22.9
3 2	8 37.78	− 7 42.3	3.856	4.689	7.2	23.0
3 12	8 33.30	− 6 44.4	3.928	4.683	8.6	23.1

343897 2011 JK_{9} 2 1.4 153°.53 1°.4/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 16.86	+10 1.1	2.465	3.295	10.6	21.3
1 12	9 11.42	+10 38.8	2.391	3.300	7.7	21.1
1 22	9 4.51	+11 27.2	2.344	3.304	4.4	20.9
2 1	8 56.73	+12 22.9	2.326	3.309	1.5	20.7
2 11	8 48.87	+13 21.7	2.340	3.313	3.3	20.9
2 21	8 41.70	+14 19.1	2.383	3.317	6.6	21.1
3 2	8 35.90	+15 11.6	2.454	3.320	9.7	21.3
3 12	8 31.97	+15 56.6	2.549	3.323	12.3	21.5

408332 2013 GO_{73} 2 1.4 109°.80 6°.3/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.41	+34 44.1	2.154	3.001	11.3	20.1
1 12	9 18.34	+36 2.3	2.119	3.026	8.6	20.0
1 22	9 8.15	+37 10.4	2.111	3.050	6.6	19.9
2 1	8 56.85	+38 1.2	2.132	3.074	6.5	20.0
2 11	8 45.71	+38 30.0	2.182	3.096	8.2	20.1
2 21	8 35.89	+38 36.3	2.259	3.118	10.6	20.3
3 2	8 28.30	+38 22.2	2.359	3.140	12.9	20.5
3 12	8 23.46	+37 52.1	2.479	3.160	14.9	20.7

278489 2007 VU_{88} 2 1.4 91°.87 3°.8/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.13	+ 4 47.9	2.283	3.095	12.0	20.2
1 12	9 12.33	+ 4 33.3	2.213	3.103	9.1	20.0
1 22	9 4.99	+ 4 31.9	2.168	3.111	6.2	19.8
2 1	8 56.75	+ 4 42.7	2.150	3.119	4.0	19.7
2 11	8 48.48	+ 5 3.5	2.163	3.127	4.6	19.8
2 21	8 41.00	+ 5 30.9	2.204	3.135	7.3	19.9
3 2	8 35.01	+ 6 1.3	2.272	3.142	10.2	20.1
3 12	8 31.01	+ 6 31.0	2.363	3.150	12.8	20.3

221515 2006 HX_{150} 2 1.4 100°.37 1°.2/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.81	+19 18.9	2.295	3.145	10.5	21.1
1 12	9 13.49	+19 55.3	2.241	3.164	7.3	20.9
1 22	9 5.56	+20 34.9	2.213	3.182	3.8	20.7
2 1	8 56.77	+21 13.3	2.216	3.200	1.2	20.5
2 11	8 48.04	+21 46.4	2.249	3.217	4.1	20.8
2 21	8 40.23	+22 11.2	2.312	3.235	7.5	21.0
3 2	8 34.06	+22 26.6	2.401	3.251	10.5	21.2
3 12	8 30.00	+22 32.2	2.513	3.268	12.9	21.4

260443 2004 XC_{165} 2 1.4 312°.35 3°.6/ 2.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.33	+10 10.3	1.331	2.185	16.5	20.0
1 12	9 15.79	+ 9 38.6	1.245	2.163	12.3	19.7
1 22	9 7.32	+ 9 20.5	1.180	2.141	7.6	19.4
2 1	8 56.84	+ 9 15.5	1.141	2.120	3.8	19.1
2 11	8 45.84	+ 9 20.7	1.127	2.100	6.1	19.1
2 21	8 35.95	+ 9 32.2	1.138	2.080	11.2	19.4
3 2	8 28.60	+ 9 45.6	1.172	2.061	16.2	19.6
3 12	8 24.73	+ 9 56.8	1.225	2.042	20.6	19.8

148924 2001 XL_{73} 2 1.4 344°.77 0°.5/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.11	+13 46.6	1.755	2.607	13.2	19.8
1 12	9 13.50	+14 17.0	1.684	2.606	9.4	19.5
1 22	9 5.78	+14 58.1	1.638	2.605	5.0	19.3
2 1	8 56.79	+15 45.5	1.620	2.605	0.6	18.9
2 11	8 47.66	+16 33.3	1.630	2.604	4.4	19.2
2 21	8 39.54	+17 16.5	1.668	2.604	8.8	19.5
3 2	8 33.40	+17 51.5	1.731	2.603	12.7	19.7
3 12	8 29.87	+18 16.1	1.815	2.603	16.0	19.9

223427 2003 SK_{257} 2 1.4 83°.44 1°.0/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.02	+18 6.7	2.008	2.863	11.6	20.6
1 12	9 13.19	+18 47.4	1.946	2.871	8.1	20.4
1 22	9 5.51	+19 33.5	1.910	2.879	4.2	20.2
2 1	8 56.78	+20 20.0	1.903	2.888	1.0	20.0
2 11	8 48.02	+21 1.8	1.926	2.896	4.4	20.2
2 21	8 40.23	+21 35.0	1.977	2.904	8.2	20.5
3 2	8 34.24	+21 57.7	2.054	2.912	11.6	20.7
3 12	8 30.59	+22 9.2	2.152	2.920	14.4	20.9

104911 2000 JX_{13} 2 1.4 194°.10 0°.9/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 16.99	+12 19.6	2.913	3.743	9.1	20.6
1 12	9 11.37	+12 42.4	2.830	3.741	6.5	20.4
1 22	9 4.44	+13 12.3	2.775	3.738	3.6	20.2
2 1	8 56.75	+13 46.9	2.751	3.735	1.0	20.0
2 11	8 48.95	+14 23.1	2.758	3.731	2.9	20.2
2 21	8 41.73	+14 58.0	2.796	3.726	5.9	20.4
3 2	8 35.68	+15 29.2	2.861	3.722	8.7	20.5
3 12	8 31.25	+15 54.9	2.952	3.716	11.0	20.7

207660 2007 PA_2 2 1.4 63°.96 0°.0/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 21.10	+13 49.1	1.354	2.215	15.7	19.9
1 12	9 15.18	+14 44.0	1.304	2.231	11.1	19.7
1 22	9 6.71	+15 52.4	1.278	2.247	5.8	19.5
2 1	8 56.82	+17 6.5	1.278	2.263	0.2	19.1
2 11	8 46.99	+18 17.6	1.305	2.279	5.3	19.5
2 21	8 38.63	+19 18.5	1.359	2.296	10.3	19.8
3 2	8 32.82	+20 5.1	1.436	2.312	14.6	20.1
3 12	8 30.14	+20 35.9	1.533	2.328	18.1	20.4

336527 2008 YW_{95} 2 1.4 123°.45 1°.2/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.03	+12 41.1	2.367	3.203	10.8	20.7
1 12	9 12.94	+12 42.9	2.297	3.209	7.7	20.5
1 22	9 5.30	+12 52.2	2.253	3.216	4.3	20.3
2 1	8 56.78	+13 6.6	2.239	3.222	1.3	20.1
2 11	8 48.24	+13 23.3	2.255	3.228	3.5	20.2
2 21	8 40.50	+13 39.5	2.301	3.234	6.9	20.5
3 2	8 34.27	+13 53.0	2.374	3.240	10.0	20.7
3 12	8 30.03	+14 2.2	2.470	3.245	12.6	20.9

286108 2001 TY_{97} 2 1.4 86°.07 4°.9/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.78	+ 4 47.8	1.440	2.271	16.7	20.5
1 12	9 15.57	+ 4 39.4	1.379	2.281	12.7	20.2
1 22	9 6.91	+ 4 51.7	1.340	2.290	8.4	20.0
2 1	8 56.84	+ 5 23.2	1.327	2.300	5.1	19.8
2 11	8 46.72	+ 6 8.9	1.341	2.309	6.1	19.9
2 21	8 37.91	+ 7 2.3	1.381	2.319	10.0	20.2
3 2	8 31.48	+ 7 56.7	1.445	2.328	14.1	20.4
3 12	8 28.07	+ 8 46.2	1.529	2.337	17.6	20.7

434233 2003 ST_{296} 2 1.4 155°.13 17°.4/22.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 44.72	+52 35.1	1.213	2.032	19.9	20.7
1 12	9 34.03	+54 51.0	1.186	2.038	18.2	20.6
1 22	9 17.38	+56 30.3	1.179	2.043	17.4	20.5
2 1	8 57.20	+57 14.7	1.191	2.047	18.0	20.6
2 11	8 37.47	+56 56.9	1.223	2.051	19.5	20.7
2 21	8 21.81	+55 43.9	1.273	2.054	21.6	20.8
3 2	8 12.17	+53 50.2	1.338	2.057	23.7	21.0
3 12	8 8.77	+51 31.6	1.415	2.059	25.6	21.2

168733 2000 PD_2 2 1.4 158°.40 1°.7/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.29	+21 12.9	1.999	2.848	12.0	21.2
1 12	9 18.27	+21 36.3	1.935	2.856	8.4	21.0
1 22	9 8.17	+22 1.2	1.897	2.864	4.4	20.8
2 1	8 56.90	+22 22.7	1.888	2.871	1.7	20.6
2 11	8 45.64	+22 36.5	1.911	2.877	4.9	20.8
2 21	8 35.55	+22 40.3	1.963	2.883	8.7	21.1
3 2	8 27.55	+22 33.8	2.041	2.887	12.2	21.3
3 12	8 22.19	+22 18.0	2.141	2.891	15.1	21.5

321736 2010 LM_{134} 2 1.4 169°.17 2°.9/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.06	+ 7 41.6	1.974	2.799	13.1	20.8
1 12	9 14.65	+ 7 49.6	1.900	2.802	9.7	20.6
1 22	9 6.32	+ 8 11.4	1.851	2.805	6.0	20.3
2 1	8 56.85	+ 8 44.7	1.830	2.808	3.0	20.2
2 11	8 47.27	+ 9 25.4	1.839	2.810	4.4	20.3
2 21	8 38.61	+10 8.9	1.877	2.811	8.1	20.5
3 2	8 31.75	+10 51.0	1.941	2.812	11.6	20.7
3 12	8 27.26	+11 28.1	2.028	2.813	14.7	20.9

239571 2008 TV_{57} 2 1.4 22°.16 2°.8/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.97	+21 22.6	1.269	2.143	15.7	21.0
1 12	9 16.84	+22 6.7	1.212	2.146	11.0	20.8
1 22	9 7.75	+22 55.4	1.178	2.148	5.9	20.5
2 1	8 56.90	+23 40.1	1.169	2.151	2.9	20.3
2 11	8 45.99	+24 12.9	1.187	2.154	6.9	20.6
2 21	8 36.70	+24 29.2	1.229	2.158	11.9	20.8
3 2	8 30.31	+24 28.4	1.293	2.162	16.4	21.1
3 12	8 27.48	+24 12.1	1.376	2.166	20.1	21.4

250235 2002 XQ_{73} 2 1.4 88°.83 2°.7/ 2.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.65	+ 9 27.2	1.758	2.592	14.0	20.3
1 12	9 15.75	+ 9 20.8	1.702	2.611	10.2	20.1
1 22	9 6.85	+ 9 27.1	1.671	2.630	6.1	19.9
2 1	8 56.87	+ 9 43.7	1.668	2.648	2.8	19.7
2 11	8 46.99	+10 6.8	1.694	2.666	4.6	19.9
2 21	8 38.31	+10 32.2	1.748	2.684	8.5	20.1
3 2	8 31.69	+10 56.4	1.828	2.701	12.1	20.4
3 12	8 27.67	+11 16.3	1.929	2.719	15.1	20.6

197703 2004 OL_9 2 1.4 148°.53 2°.0/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.01	+20 33.8	1.841	2.694	12.6	21.7
1 12	9 17.53	+21 19.4	1.781	2.705	8.8	21.5
1 22	9 7.85	+22 8.4	1.747	2.715	4.6	21.3
2 1	8 56.91	+22 54.3	1.742	2.724	2.0	21.1
2 11	8 45.97	+23 31.5	1.767	2.733	5.3	21.4
2 21	8 36.23	+23 56.4	1.821	2.740	9.3	21.6
3 2	8 28.67	+24 7.9	1.900	2.747	12.9	21.8
3 12	8 23.88	+24 6.9	2.000	2.753	15.9	22.1

148082 1999 BH_{15} 2 1.4 296°.43 1°.3/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 23.51	+14 44.8	1.688	2.537	13.8	19.3
1 12	9 16.78	+14 20.9	1.603	2.523	9.9	19.1
1 22	9 7.62	+14 3.5	1.543	2.508	5.5	18.8
2 1	8 56.91	+13 50.6	1.510	2.494	1.4	18.5
2 11	8 45.94	+13 39.5	1.506	2.480	4.7	18.7
2 21	8 36.03	+13 28.1	1.530	2.466	9.4	18.9
3 2	8 28.30	+13 14.7	1.579	2.452	13.7	19.1
3 12	8 23.49	+12 58.0	1.649	2.438	17.3	19.3

209028 2003 FM_{115} 2 1.4 274°.40 8°.2/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 14.84	−13 34.3	2.647	3.349	13.3	20.1
1 12	9 10.10	−13 39.2	2.545	3.332	11.6	20.0
1 22	9 3.90	−13 20.8	2.464	3.315	9.9	19.8
2 1	8 56.78	−12 37.6	2.408	3.298	8.6	19.7
2 11	8 49.43	−11 30.7	2.378	3.281	8.2	19.6
2 21	8 42.60	−10 3.8	2.376	3.264	9.0	19.7
3 2	8 36.99	− 8 22.8	2.400	3.246	10.6	19.7
3 12	8 33.11	− 6 34.6	2.449	3.229	12.6	19.8

238077 2003 FC_{69} 2 1.4 331°.05 5°.0/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.80	+25 23.8	1.328	2.203	15.0	20.1
1 12	9 16.83	+26 36.1	1.267	2.200	10.7	19.8
1 22	9 7.82	+27 49.6	1.230	2.196	6.5	19.6
2 1	8 56.92	+28 53.4	1.219	2.193	5.1	19.5
2 11	8 45.83	+29 38.3	1.234	2.190	8.5	19.6
2 21	8 36.27	+29 59.7	1.273	2.188	12.9	19.9
3 2	8 29.61	+29 57.6	1.334	2.185	17.1	20.1
3 12	8 26.58	+29 35.5	1.412	2.183	20.6	20.4

372570 2009 UF_{52} 2 1.4 180°.09 2°.9/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.13	+23 39.3	1.948	2.809	11.7	21.2
1 12	9 14.84	+24 23.5	1.882	2.809	8.2	21.0
1 22	9 6.46	+25 8.6	1.842	2.809	4.6	20.8
2 1	8 56.87	+25 48.5	1.831	2.809	2.9	20.7
2 11	8 47.19	+26 17.9	1.849	2.809	5.7	20.8
2 21	8 38.56	+26 33.9	1.894	2.809	9.3	21.0
3 2	8 31.92	+26 35.6	1.965	2.809	12.7	21.3
3 12	8 27.85	+26 24.4	2.056	2.808	15.5	21.5

409920 2006 TA_{90} 2 1.4 63°.40 4°.4/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.16	+ 5 11.7	1.626	2.454	15.2	20.4
1 12	9 14.24	+ 5 1.3	1.564	2.464	11.6	20.2
1 22	9 6.17	+ 5 9.0	1.524	2.474	7.7	20.0
2 1	8 56.86	+ 5 33.2	1.511	2.484	4.7	19.9
2 11	8 47.53	+ 6 10.0	1.526	2.494	5.6	20.0
2 21	8 39.34	+ 6 54.0	1.567	2.504	9.2	20.2
3 2	8 33.25	+ 7 39.6	1.633	2.514	12.9	20.4
3 12	8 29.84	+ 8 21.6	1.721	2.525	16.1	20.7

167779 2005 AT_{16} 2 1.4 327°.71 0°.0/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.22	+15 33.1	1.341	2.208	15.5	19.9
1 12	9 14.89	+15 55.3	1.269	2.199	11.0	19.6
1 22	9 6.78	+16 28.9	1.220	2.190	5.9	19.3
2 1	8 56.89	+17 8.4	1.196	2.181	0.2	18.8
2 11	8 46.74	+17 47.1	1.199	2.174	5.5	19.2
2 21	8 37.87	+18 19.0	1.227	2.166	10.9	19.5
3 2	8 31.57	+18 40.3	1.278	2.160	15.7	19.8
3 12	8 28.61	+18 49.5	1.348	2.154	19.6	20.0

207404 2006 BU_{91} 2 1.4 95°.19 1°.0/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.94	+12 17.2	1.566	2.412	14.8	20.7
1 12	9 16.83	+12 52.1	1.517	2.436	10.5	20.5
1 22	9 7.48	+13 39.4	1.494	2.459	5.7	20.3
2 1	8 56.92	+14 33.3	1.497	2.482	1.1	20.0
2 11	8 46.51	+15 27.4	1.530	2.504	4.6	20.3
2 21	8 37.50	+16 15.9	1.590	2.526	9.2	20.6
3 2	8 30.84	+16 55.2	1.676	2.547	13.2	20.9
3 12	8 27.05	+17 23.4	1.783	2.567	16.4	21.2

226938 2004 TO_{309} 2 1.4 11°.85 3°.1/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.43	+24 32.1	1.897	2.759	11.9	20.5
1 12	9 15.09	+25 12.0	1.832	2.759	8.4	20.3
1 22	9 6.62	+25 51.8	1.793	2.759	4.8	20.1
2 1	8 56.90	+26 25.3	1.782	2.759	3.2	20.0
2 11	8 47.12	+26 47.5	1.800	2.760	5.9	20.1
2 21	8 38.44	+26 55.7	1.846	2.760	9.6	20.4
3 2	8 31.81	+26 49.6	1.916	2.760	13.0	20.6
3 12	8 27.84	+26 30.7	2.006	2.760	15.8	20.8

192594 1999 CO_{37} 2 1.4 24°.43 2°.2/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.67	+21 45.0	1.664	2.531	13.0	19.2
1 12	9 13.93	+22 12.8	1.609	2.539	9.0	19.0
1 22	9 6.01	+22 42.8	1.579	2.549	4.8	18.7
2 1	8 56.88	+23 9.2	1.577	2.559	2.2	18.6
2 11	8 47.82	+23 27.1	1.602	2.570	5.5	18.8
2 21	8 40.00	+23 33.6	1.654	2.581	9.6	19.1
3 2	8 34.38	+23 28.0	1.730	2.593	13.2	19.3
3 12	8 31.48	+23 11.3	1.827	2.605	16.3	19.6

242349 2004 BB_{33} 2 1.4 284.°18 0.°3/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 20.83	+16 17.7	2.266	3.110	10.9	20.4
1 12	9 14.50	+16 14.3	2.168	3.087	7.8	20.2
1 22	9 6.30	+16 15.5	2.097	3.064	4.2	19.9
2 1	8 56.90	+16 18.9	2.056	3.041	0.4	19.6
2 11	8 47.24	+16 21.7	2.045	3.017	3.8	19.8
2 21	8 38.28	+16 21.6	2.063	2.994	7.7	20.0
3 2	8 30.91	+16 16.9	2.108	2.970	11.2	20.2
3 12	8 25.76	+16 7.0	2.176	2.946	14.2	20.3

464656 2001 RS_{12} 2 1.4 176.°79 3.°0/29.8 17

1 2	9 21.36	+28 33.4	3.055	3.901	8.3	22.3
1 12	9 14.40	+29 1.8	2.987	3.903	6.0	22.1
1 22	9 6.04	+29 26.7	2.947	3.905	3.8	22.0
2 1	8 56.89	+29 44.5	2.938	3.906	3.1	21.9
2 11	8 47.74	+29 52.4	2.960	3.907	4.7	22.0
2 21	8 39.32	+29 49.2	3.013	3.907	7.1	22.2
3 2	8 32.28	+29 35.1	3.092	3.906	9.3	22.3
3 12	8 27.08	+29 11.6	3.195	3.905	11.3	22.5

333237 2012 HU_{50} 2 1.4 192.°97 2.°7/ 3.6 18

1 2	9 17.90	+ 6 15.3	2.295	3.113	11.7	21.2
1 12	9 12.31	+ 6 39.7	2.214	3.111	8.8	21.0
1 22	9 5.08	+ 7 18.0	2.158	3.110	5.5	20.8
2 1	8 56.87	+ 8 8.0	2.131	3.108	2.9	20.6
2 11	8 48.51	+ 9 5.5	2.134	3.105	4.0	20.7
2 21	8 40.87	+10 5.7	2.167	3.102	7.1	20.9
3 2	8 34.68	+11 4.3	2.228	3.099	10.3	21.1
3 12	8 30.50	+11 57.3	2.312	3.095	13.1	21.2

522058 2015 XS_{415} 2 1.4 328.°86 4.°4/ 3.6 17

1 2	9 18.52	+ 6 38.9	1.491	2.332	15.7	20.8
1 12	9 13.46	+ 6 20.3	1.412	2.320	12.0	20.5
1 22	9 5.97	+ 6 19.2	1.354	2.308	7.8	20.2
2 1	8 56.90	+ 6 35.1	1.322	2.298	4.6	20.0
2 11	8 47.54	+ 7 4.4	1.317	2.287	5.9	20.1
2 21	8 39.22	+ 7 41.9	1.337	2.278	10.0	20.3
3 2	8 33.10	+ 8 22.1	1.382	2.269	14.3	20.5
3 12	8 29.92	+ 8 59.3	1.445	2.261	18.1	20.7

214248 2005 EL_{270} 2 1.4 337.°24 3.°1/ 3.2 18

1 2	9 17.94	+ 7 28.6	1.432	2.279	15.9	19.9
1 12	9 13.09	+ 7 54.7	1.359	2.274	11.8	19.7
1 22	9 5.78	+ 8 41.4	1.309	2.269	7.2	19.4
2 1	8 56.90	+ 9 45.1	1.284	2.264	3.3	19.1
2 11	8 47.77	+10 59.0	1.286	2.260	5.2	19.2
2 21	8 39.75	+12 14.8	1.313	2.256	9.9	19.5
3 2	8 34.01	+13 25.3	1.365	2.253	14.4	19.8
3 12	8 31.27	+14 24.9	1.437	2.250	18.3	20.0

21876 1999 UL_{9} 2 1.4 262.°68 4.°0/30.0 18

1 2	9 22.95	+25 5.2	1.655	2.520	13.1	18.6
1 12	9 16.54	+26 0.5	1.584	2.512	9.4	18.3
1 22	9 7.56	+26 56.4	1.539	2.504	5.6	18.1
2 1	8 56.97	+27 45.0	1.520	2.496	4.1	18.0
2 11	8 46.16	+28 19.1	1.530	2.488	7.0	18.1
2 21	8 36.56	+28 35.1	1.567	2.479	11.1	18.3
3 2	8 29.34	+28 32.6	1.627	2.471	14.9	18.6
3 12	8 25.23	+28 13.9	1.706	2.462	18.1	18.8

104551 2000 GU_{63} 2 1.4 326.°37 0.°2/ 1.5 18 R

1 2	9 17.87	+15 13.0	1.908	2.761	12.2	19.8
1 12	9 12.59	+15 35.4	1.830	2.753	8.7	19.6
1 22	9 5.35	+16 6.2	1.778	2.746	4.6	19.3
2 1	8 56.89	+16 41.5	1.753	2.739	0.3	19.0
2 11	8 48.27	+17 16.5	1.758	2.732	4.2	19.3
2 21	8 40.54	+17 47.1	1.790	2.725	8.4	19.5
3 2	8 34.61	+18 10.3	1.848	2.719	12.1	19.7
3 12	8 31.09	+18 24.4	1.927	2.713	15.3	19.9

452359 2001 UH_{216} 2 1.4 63.°35 3.°9/ 3.6 15

1 2	9 21.52	+ 6 0.7	1.281	2.124	17.7	22.3
1 12	9 15.48	+ 6 22.2	1.234	2.144	13.1	22.1
1 22	9 6.91	+ 7 6.3	1.208	2.165	8.2	21.9
2 1	8 56.95	+ 8 8.4	1.208	2.186	4.2	21.7
2 11	8 47.12	+ 9 20.6	1.234	2.207	5.7	21.8
2 21	8 38.82	+10 34.3	1.286	2.228	10.2	22.1
3 2	8 33.11	+11 42.1	1.361	2.249	14.5	22.4
3 12	8 30.56	+12 38.9	1.457	2.270	18.1	22.7

102735 1999 VX_{104} 2 1.4 218.°43 1.°4/31.5 18

1 2	9 22.11	+18 55.6	1.881	2.736	12.3	20.7
1 12	9 15.65	+19 37.3	1.805	2.730	8.6	20.5
1 22	9 6.99	+20 24.9	1.754	2.723	4.5	20.2
2 1	8 56.96	+21 12.5	1.732	2.716	1.4	20.0
2 11	8 46.73	+21 54.5	1.740	2.708	5.0	20.2
2 21	8 37.47	+22 26.4	1.776	2.700	9.2	20.4
3 2	8 30.21	+22 46.1	1.837	2.692	12.9	20.6
3 12	8 25.61	+22 53.4	1.919	2.683	16.1	20.8

246375 2007 TW_{419} 2 1.4 41.°81 1.°5/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 23.82	+14 42.3	1.822	2.667	13.1	19.5
1 12	9 16.52	+14 6.5	1.766	2.683	9.3	19.3
1 22	9 7.26	+13 36.7	1.734	2.699	5.2	19.1
2 1	8 56.97	+13 11.6	1.732	2.715	1.5	18.9
2 11	8 46.85	+12 49.5	1.759	2.732	4.3	19.1
2 21	8 37.96	+12 28.9	1.814	2.749	8.3	19.4
3 2	8 31.16	+12 8.5	1.896	2.767	11.9	19.6
3 12	8 26.94	+11 47.2	2.000	2.784	14.8	19.9

101724 1999 ED_{6} 2 1.4 93.°59 13.°9/23.3 18

1 2	9 43.50	+58 22.0	1.941	2.707	15.5	18.4
1 12	9 31.57	+59 40.8	1.921	2.720	14.4	18.3
1 22	9 15.44	+60 28.4	1.921	2.733	14.0	18.3
2 1	8 57.26	+60 35.3	1.943	2.745	14.2	18.3
2 11	8 39.91	+59 58.7	1.986	2.758	15.1	18.4
2 21	8 25.79	+58 43.8	2.050	2.770	16.3	18.6
3 2	8 16.24	+56 59.7	2.131	2.782	17.6	18.7
3 12	8 11.52	+54 56.7	2.227	2.794	18.8	18.8

241286 2007 UB_{29} 2 1.4 134.°47 2.°6/30.6 18

1 2	9 24.28	+22 8.0	1.977	2.830	11.9	21.0
1 12	9 16.93	+23 7.1	1.923	2.846	8.3	20.8
1 22	9 7.53	+24 7.9	1.895	2.862	4.5	20.6
2 1	8 56.99	+25 3.8	1.897	2.876	2.6	20.5
2 11	8 46.48	+25 48.9	1.929	2.890	5.5	20.7
2 21	8 37.10	+26 20.0	1.990	2.903	9.1	20.9
3 2	8 29.78	+26 36.2	2.077	2.915	12.3	21.1
3 12	8 25.06	+26 38.7	2.184	2.926	15.0	21.4

493228 2014 UA_{68} 2 1.4 112.°66 6.°3/27.8 18

1 2	9 26.78	+35 0.6	2.143	2.990	11.3	21.4
1 12	9 18.66	+36 13.9	2.106	3.013	8.7	21.3
1 22	9 8.40	+37 17.0	2.096	3.035	6.7	21.2
2 1	8 57.03	+38 2.6	2.115	3.057	6.5	21.2
2 11	8 45.81	+38 26.3	2.163	3.078	8.2	21.4
2 21	8 35.93	+38 27.5	2.237	3.098	10.6	21.6
3 2	8 28.30	+38 8.8	2.335	3.117	13.0	21.8
3 12	8 23.44	+37 34.3	2.453	3.136	14.9	22.0

334634 2002 VE_{111} 2 1.4 120.°62 3.°4/ 4.2 18

1 2	9 18.42	+ 4 12.0	2.676	3.477	10.7	21.3
1 12	9 12.37	+ 4 5.8	2.609	3.493	8.2	21.2
1 22	9 5.00	+ 4 11.5	2.569	3.509	5.5	21.0
2 1	8 56.91	+ 4 28.0	2.557	3.525	3.6	20.9
2 11	8 48.82	+ 4 53.0	2.577	3.540	4.1	21.0
2 21	8 41.44	+ 5 23.4	2.626	3.554	6.4	21.1
3 2	8 35.36	+ 5 56.1	2.703	3.569	8.9	21.3
3 12	8 31.01	+ 6 27.9	2.805	3.582	11.2	21.5

460083 2014 OD_{336} 2 1.4 75.°24 2.°8/31.3 18

1 2	9 29.23	+24 30.0	1.562	2.421	14.2	20.6
1 12	9 20.53	+24 33.4	1.517	2.443	9.9	20.4
1 22	9 9.39	+24 34.3	1.497	2.464	5.4	20.2
2 1	8 57.07	+24 27.2	1.506	2.486	2.8	20.1
2 11	8 45.12	+24 8.8	1.543	2.508	6.0	20.3
2 21	8 34.92	+23 39.0	1.607	2.529	10.2	20.6
3 2	8 27.45	+22 59.5	1.697	2.550	13.9	20.9
3 12	8 23.15	+22 12.9	1.806	2.571	16.9	21.1

419782 2010 VF_{182} 2 1.4 110.°73 1.°6/31.4 18

1 2	9 22.37	+20 4.2	1.806	2.664	12.6	21.7
1 12	9 15.74	+20 35.9	1.746	2.672	8.8	21.4
1 22	9 6.97	+21 11.3	1.711	2.680	4.6	21.2
2 1	8 56.99	+21 44.8	1.704	2.687	1.6	21.0
2 11	8 47.01	+22 11.4	1.727	2.695	5.0	21.3
2 21	8 38.20	+22 27.8	1.777	2.702	9.1	21.5
3 2	8 31.50	+22 32.8	1.852	2.709	12.8	21.8
3 12	8 27.47	+22 26.9	1.949	2.716	15.8	22.0

498147 2007 TD_{96} 2 1.4 170.°23 1.°4/ 2.7 17

1 2	9 17.29	+10 4.4	2.955	3.778	9.3	23.4
1 12	9 11.57	+10 26.1	2.878	3.782	6.7	23.2
1 22	9 4.60	+10 56.0	2.827	3.785	3.9	23.0
2 1	8 56.90	+11 31.9	2.807	3.789	1.5	22.8
2 11	8 49.14	+12 10.8	2.819	3.791	3.0	22.9
2 21	8 41.95	+12 49.8	2.861	3.793	5.8	23.1
3 2	8 35.92	+13 26.1	2.933	3.795	8.4	23.3
3 12	8 31.48	+13 57.7	3.028	3.796	10.7	23.5

298714 2004 FJ_{25} 2 1.4 293.°86 6.°8/ 6.3 17

1 2	9 16.27	− 4 11.3	2.268	3.039	13.3	20.8
1 12	9 11.27	− 4 37.5	2.176	3.026	11.0	20.6
1 22	9 4.61	− 4 44.4	2.107	3.013	8.7	20.4
2 1	8 56.91	− 4 31.1	2.064	3.001	7.0	20.3
2 11	8 48.97	− 3 58.7	2.048	2.988	7.0	20.3
2 21	8 41.66	− 3 10.7	2.060	2.975	8.7	20.3
3 2	8 35.76	− 2 12.3	2.098	2.963	11.1	20.5
3 12	8 31.85	− 1 9.2	2.158	2.950	13.7	20.6

222296 2000 SU_{211} 2 1.4 123°.00 6°.0/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.39	+34 9.1	2.207	3.057	10.9	20.9
1 12	9 17.01	+35 21.9	2.163	3.072	8.3	20.8
1 22	9 7.58	+36 26.2	2.145	3.087	6.4	20.7
2 1	8 57.01	+37 14.9	2.157	3.101	6.2	20.7
2 11	8 46.50	+37 43.3	2.197	3.115	7.9	20.8
2 21	8 37.16	+37 50.2	2.264	3.128	10.3	21.0
3 2	8 29.91	+37 37.5	2.355	3.141	12.7	21.2
3 12	8 25.28	+37 8.8	2.465	3.154	14.8	21.4

303395 2004 XQ_{90} 2 1.4 199°.28 3°.7/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.60	+24 22.4	1.803	2.663	12.5	20.7
1 12	9 16.84	+25 28.7	1.735	2.661	8.8	20.5
1 22	9 7.67	+26 36.3	1.692	2.658	5.2	20.3
2 1	8 57.03	+27 37.4	1.679	2.654	3.8	20.2
2 11	8 46.20	+28 24.9	1.694	2.650	6.6	20.4
2 21	8 36.49	+28 54.8	1.737	2.646	10.5	20.6
3 2	8 28.99	+29 6.3	1.805	2.641	14.0	20.8
3 12	8 24.41	+29 1.3	1.892	2.635	17.0	21.0

367609 2009 TG_{37} 2 1.4 68°.03 3°.8/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.74	+ 5 46.4	1.788	2.612	14.3	20.5
1 12	9 14.39	+ 5 42.2	1.737	2.636	10.7	20.3
1 22	9 6.17	+ 5 54.1	1.711	2.661	6.9	20.1
2 1	8 56.97	+ 6 20.0	1.711	2.685	4.0	20.0
2 11	8 47.89	+ 6 55.7	1.741	2.709	5.0	20.1
2 21	8 39.96	+ 7 36.4	1.798	2.734	8.3	20.3
3 2	8 33.98	+ 8 17.3	1.881	2.758	11.7	20.6
3 12	8 30.44	+ 8 54.4	1.987	2.782	14.6	20.8

410497 2008 EG_{15} 2 1.4 98°.75 4°.0/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.06	+26 41.5	1.764	2.625	12.6	21.2
1 12	9 17.03	+27 24.3	1.708	2.633	9.0	21.0
1 22	9 7.67	+28 4.4	1.678	2.641	5.5	20.8
2 1	8 57.03	+28 34.8	1.675	2.649	4.1	20.7
2 11	8 46.43	+28 50.4	1.702	2.656	6.7	20.9
2 21	8 37.17	+28 49.1	1.755	2.664	10.3	21.1
3 2	8 30.23	+28 31.9	1.832	2.671	13.7	21.3
3 12	8 26.19	+28 1.4	1.930	2.679	16.5	21.6

17134 1999 JX_{81} 2 1.4 206°.97 1°.5/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 17.46	+21 7.6	3.025	3.873	8.3	19.7
1 12	9 11.78	+21 51.2	2.945	3.867	5.8	19.5
1 22	9 4.76	+22 37.0	2.893	3.861	3.1	19.4
2 1	8 56.92	+23 21.2	2.873	3.854	1.5	19.2
2 11	8 48.97	+24 0.4	2.883	3.846	3.7	19.4
2 21	8 41.58	+24 31.9	2.924	3.838	6.4	19.5
3 2	8 35.37	+24 54.3	2.993	3.830	9.0	19.7
3 12	8 30.82	+25 7.1	3.085	3.821	11.2	19.8

228678 2002 JW_{122} 2 1.4 288°.83 0°.8/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 17.41	+11 38.8	1.931	2.776	12.5	20.0
1 12	9 12.28	+12 29.3	1.853	2.771	8.9	19.8
1 22	9 5.22	+13 33.0	1.801	2.766	4.9	19.5
2 1	8 56.95	+14 45.2	1.776	2.761	1.0	19.2
2 11	8 48.48	+15 59.5	1.782	2.756	4.1	19.4
2 21	8 40.84	+17 9.8	1.816	2.751	8.2	19.7
3 2	8 34.93	+18 11.4	1.876	2.746	12.0	19.9
3 12	8 31.38	+19 1.1	1.957	2.741	15.2	20.1

169105 2001 NK_{10} 2 1.4 180°.29 0°.2/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 17.76	+16 5.6	2.829	3.669	9.1	21.3
1 12	9 11.99	+16 37.5	2.752	3.670	6.4	21.1
1 22	9 4.87	+17 14.4	2.704	3.671	3.3	20.9
2 1	8 56.94	+17 53.3	2.686	3.671	0.2	20.6
2 11	8 48.94	+18 30.6	2.699	3.671	3.2	20.9
2 21	8 41.55	+19 3.6	2.743	3.670	6.2	21.1
3 2	8 35.41	+19 30.1	2.815	3.669	9.0	21.3
3 12	8 30.98	+19 49.1	2.911	3.667	11.3	21.4

116197 2003 XC_{14} 2 1.4 83°.65 4°.9/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.61	+31 41.1	2.215	3.066	10.8	19.3
1 12	9 16.95	+32 27.3	2.178	3.093	8.0	19.2
1 22	9 7.45	+33 6.1	2.168	3.120	5.6	19.1
2 1	8 57.05	+33 31.8	2.188	3.146	5.0	19.1
2 11	8 46.88	+33 41.0	2.237	3.172	6.8	19.3
2 21	8 37.96	+33 33.1	2.313	3.198	9.3	19.5
3 2	8 31.08	+33 9.9	2.415	3.223	11.8	19.7
3 12	8 26.68	+32 34.4	2.538	3.248	13.9	19.9

120613 1995 WV_{19} 2 1.4 18°.11 1°.1/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.11	+12 2.4	1.763	2.612	13.3	19.6
1 12	9 12.83	+12 32.1	1.694	2.613	9.5	19.4
1 22	9 5.51	+13 14.1	1.650	2.615	5.3	19.1
2 1	8 56.98	+14 4.2	1.634	2.618	1.3	18.8
2 11	8 48.35	+14 56.8	1.646	2.620	4.3	19.1
2 21	8 40.69	+15 46.3	1.685	2.623	8.6	19.3
3 2	8 34.97	+16 28.7	1.750	2.626	12.4	19.6
3 12	8 31.76	+17 1.2	1.837	2.629	15.7	19.8

461697 2005 QK_{139} 2 1.4 35°.65 3°.8/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 17.31	+ 4 55.1	1.298	2.143	17.4	20.3
1 12	9 12.51	+ 5 35.5	1.254	2.165	12.9	20.1
1 22	9 5.38	+ 6 39.9	1.232	2.188	8.1	19.9
2 1	8 56.97	+ 8 2.9	1.234	2.212	4.1	19.8
2 11	8 48.70	+ 9 35.4	1.263	2.237	5.4	19.9
2 21	8 41.82	+11 7.7	1.318	2.263	9.7	20.2
3 2	8 37.33	+12 31.6	1.397	2.289	13.9	20.5
3 12	8 35.75	+13 41.7	1.496	2.316	17.3	20.8

520946 2014 YH_{15} 2 1.4 217°.48 18°.0/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 38.20	+49 39.4	1.122	1.961	19.9	21.7
1 12	9 30.31	+53 2.5	1.090	1.956	18.3	21.6
1 22	9 16.16	+55 54.2	1.078	1.951	18.0	21.6
2 1	8 57.42	+57 50.9	1.088	1.945	19.2	21.6
2 11	8 37.82	+58 39.9	1.115	1.939	21.3	21.7
2 21	8 21.51	+58 24.4	1.159	1.932	23.8	21.9
3 2	8 11.34	+57 17.7	1.216	1.924	26.2	22.0
3 12	8 8.08	+55 36.3	1.281	1.916	28.3	22.2

429897 2012 TS_{90} 2 1.4 148°.47 3°.2/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.87	+27 0.1	2.545	3.399	9.5	21.4
1 12	9 13.63	+27 44.1	2.483	3.404	6.8	21.2
1 22	9 5.77	+28 26.0	2.448	3.409	4.2	21.1
2 1	8 57.01	+29 1.0	2.443	3.414	3.3	21.0
2 11	8 48.21	+29 25.1	2.468	3.418	5.3	21.2
2 21	8 40.25	+29 36.6	2.522	3.422	8.0	21.3
3 2	8 33.85	+29 35.1	2.602	3.426	10.6	21.5
3 12	8 29.51	+29 21.9	2.704	3.430	12.8	21.7

298891 2004 TP_{18} 2 1.4 124°.84 0°.8/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.77	+16 42.6	1.739	2.590	13.3	21.8
1 12	9 16.75	+17 29.9	1.683	2.606	9.3	21.6
1 22	9 7.53	+18 24.7	1.652	2.620	4.8	21.4
2 1	8 57.08	+19 20.8	1.650	2.635	0.8	21.1
2 11	8 46.66	+20 11.8	1.677	2.648	4.8	21.4
2 21	8 37.46	+20 53.0	1.733	2.661	9.1	21.7
3 2	8 30.45	+21 22.0	1.814	2.673	12.9	22.0
3 12	8 26.19	+21 38.4	1.917	2.685	16.0	22.2

428129 2006 SZ_{67} 2 1.4 206°.88 2°.8/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 15.90	+ 5 35.8	2.499	3.314	11.0	21.6
1 12	9 10.84	+ 5 56.3	2.417	3.312	8.3	21.4
1 22	9 4.34	+ 6 30.0	2.361	3.310	5.3	21.2
2 1	8 56.96	+ 7 14.7	2.334	3.308	3.0	21.0
2 11	8 49.47	+ 8 7.2	2.337	3.306	3.8	21.1
2 21	8 42.61	+ 9 3.1	2.369	3.304	6.6	21.3
3 2	8 37.04	+ 9 58.5	2.429	3.301	9.5	21.4
3 12	8 33.28	+10 49.6	2.513	3.299	12.1	21.6

56384 2000 EX_{47} 2 1.4 80°.39 4°.3/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.41	+25 43.3	1.346	2.215	15.3	18.7
1 12	9 19.79	+26 24.4	1.299	2.228	10.9	18.5
1 22	9 9.26	+27 3.0	1.275	2.241	6.4	18.3
2 1	8 57.15	+27 30.5	1.278	2.254	4.4	18.2
2 11	8 45.25	+27 40.5	1.307	2.267	7.6	18.4
2 21	8 35.18	+27 31.3	1.363	2.281	12.0	18.7
3 2	8 28.12	+27 5.0	1.440	2.294	15.9	19.0
3 12	8 24.62	+26 25.2	1.537	2.306	19.2	19.2

113846 2002 TV_{239} 2 1.4 190°.16 1°.5/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.55	+11 42.9	1.814	2.650	13.5	20.8
1 12	9 17.37	+11 59.6	1.737	2.650	9.8	20.6
1 22	9 7.93	+12 27.9	1.685	2.648	5.5	20.3
2 1	8 57.12	+13 4.1	1.662	2.646	1.6	20.0
2 11	8 46.11	+13 43.5	1.669	2.642	4.4	20.2
2 21	8 36.13	+14 21.2	1.704	2.638	8.8	20.5
3 2	8 28.22	+14 53.4	1.766	2.633	12.8	20.7
3 12	8 23.03	+15 18.0	1.849	2.626	16.1	20.9

497979 2007 CF_{37} 2 1.4 299°.13 1°.1/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.55	+20 3.4	1.711	2.569	13.1	21.6
1 12	9 16.90	+20 2.3	1.628	2.553	9.3	21.3
1 22	9 7.79	+20 3.8	1.569	2.538	4.9	21.0
2 1	8 57.12	+20 3.7	1.537	2.522	1.1	20.7
2 11	8 46.20	+19 58.1	1.535	2.506	5.1	21.0
2 21	8 36.36	+19 44.7	1.560	2.491	9.7	21.2
3 2	8 28.75	+19 22.9	1.610	2.476	13.9	21.4
3 12	8 24.09	+18 53.4	1.681	2.461	17.4	21.6

57227 2001 QR_{75} 2 1.4 111°.32 0°.8/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.37	+13 0.4	1.915	2.759	12.6	19.0
1 12	9 14.23	+13 29.8	1.852	2.770	9.0	18.8
1 22	9 6.19	+14 9.2	1.815	2.781	4.9	18.5
2 1	8 57.05	+14 54.4	1.806	2.791	0.9	18.3
2 11	8 47.90	+15 40.2	1.827	2.801	4.0	18.5
2 21	8 39.75	+16 22.2	1.877	2.811	8.1	18.8
3 2	8 33.46	+16 56.9	1.953	2.821	11.7	19.0
3 12	8 29.59	+17 22.5	2.050	2.830	14.7	19.2

461249 2015 XL_2 2 1.4 35°.20 0°.2/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 21.64	+16 6.0	1.213	2.084	16.5	20.6
1 12	9 15.86	+16 29.8	1.163	2.094	11.6	20.3
1 22	9 7.27	+17 4.2	1.135	2.105	6.1	20.1
2 1	8 57.10	+17 42.7	1.132	2.117	0.3	19.7
2 11	8 47.00	+18 18.0	1.155	2.129	5.6	20.1
2 21	8 38.54	+18 44.9	1.202	2.142	11.0	20.4
3 2	8 32.89	+19 0.3	1.273	2.156	15.6	20.7
3 12	8 30.64	+19 3.5	1.361	2.170	19.3	21.0

420077 2011 EV_{32} 2 1.4 9°.62 2°.4/ 2.9 18

1 2	9 17.58	+ 9 25.7	1.597	2.445	14.5	21.2
1 12	9 12.61	+ 9 43.7	1.530	2.446	10.6	20.9
1 22	9 5.47	+10 17.4	1.486	2.448	6.3	20.7
2 1	8 57.03	+11 3.3	1.468	2.450	2.5	20.5
2 11	8 48.48	+11 55.8	1.478	2.453	4.7	20.6
2 21	8 40.98	+12 48.8	1.515	2.456	9.0	20.9
3 2	8 35.55	+13 37.1	1.576	2.460	13.1	21.1
3 12	8 32.79	+14 16.7	1.659	2.465	16.5	21.3

54808 2001 ME_{24} 2 1.4 56°.44 4°.0/ 3.2 18

1 2	9 25.55	+ 7 48.7	1.994	2.811	13.3	16.7
1 12	9 17.57	+ 6 49.3	1.940	2.835	9.9	16.5
1 22	9 7.80	+ 6 0.9	1.912	2.860	6.5	16.4
2 1	8 57.13	+ 5 23.9	1.913	2.884	4.1	16.3
2 11	8 46.64	+ 4 57.6	1.945	2.909	5.1	16.4
2 21	8 37.33	+ 4 40.2	2.006	2.934	8.1	16.6
3 2	8 29.97	+ 4 29.3	2.095	2.958	11.2	16.9
3 12	8 25.02	+ 4 21.9	2.205	2.983	13.8	17.1

508 Princetonia 2 1.4 242°.50 5°.8/27.6 18 R

1 2	9 21.06	+34 25.4	2.324	3.177	10.3	13.4
1 12	9 14.75	+35 28.6	2.266	3.176	7.9	13.2
1 22	9 6.49	+36 24.4	2.234	3.176	6.1	13.1
2 1	8 57.08	+37 6.4	2.230	3.175	6.0	13.1
2 11	8 47.61	+37 30.0	2.255	3.174	7.7	13.2
2 21	8 39.12	+37 33.7	2.306	3.174	10.1	13.4
3 2	8 32.51	+37 18.6	2.381	3.173	12.5	13.5
3 12	8 28.33	+36 47.7	2.476	3.172	14.5	13.7

170639 2003 YQ_{89} 2 1.4 354°.71 1°.8/31.4 18

1 2	9 20.89	+19 26.6	1.504	2.371	14.1	19.9
1 12	9 15.16	+20 10.5	1.439	2.369	9.9	19.6
1 22	9 6.90	+21 1.0	1.398	2.368	5.2	19.3
2 1	8 57.10	+21 51.0	1.384	2.367	1.9	19.1
2 11	8 47.17	+22 33.3	1.397	2.367	5.8	19.4
2 21	8 38.50	+23 3.1	1.437	2.367	10.5	19.6
3 2	8 32.22	+23 18.2	1.500	2.367	14.7	19.9
3 12	8 29.03	+23 18.9	1.583	2.367	18.1	20.1

290019 2005 QR_{16} 2 1.4 259°.13 7°.0/26.5 17

1 2	9 27.46	+42 33.8	2.774	3.596	9.8	21.2
1 12	9 19.16	+43 16.0	2.698	3.576	8.2	21.1
1 22	9 8.79	+43 45.9	2.649	3.557	7.1	21.0
2 1	8 57.19	+43 57.5	2.628	3.537	7.2	21.0
2 11	8 45.50	+43 47.4	2.635	3.516	8.4	21.0
2 21	8 34.85	+43 15.2	2.670	3.495	10.2	21.1
3 2	8 26.18	+42 23.5	2.728	3.474	12.2	21.2
3 12	8 20.08	+41 16.5	2.807	3.452	13.9	21.3

297836 2002 AM_{208} 2 1.4 350°.70 1°.5/ 2.1 18

1 2	9 22.59	+13 29.7	1.361	2.220	15.8	20.3
1 12	9 16.48	+13 25.5	1.294	2.218	11.4	20.0
1 22	9 7.64	+13 33.1	1.250	2.216	6.4	19.7
2 1	8 57.15	+13 48.7	1.231	2.215	1.6	19.4
2 11	8 46.50	+14 7.4	1.239	2.214	5.2	19.6
2 21	8 37.22	+14 24.8	1.273	2.213	10.4	19.9
3 2	8 30.53	+14 37.2	1.330	2.213	15.1	20.2
3 12	8 27.13	+14 42.5	1.406	2.213	18.9	20.4

457239 2008 NU_4 2 1.4 290°.41 0°.0/ 1.4 18

1 2	9 22.95	+17 28.2	1.808	2.660	12.8	20.6
1 12	9 16.40	+17 23.2	1.719	2.642	9.1	20.3
1 22	9 7.52	+17 23.0	1.656	2.624	4.9	20.0
2 1	8 57.15	+17 24.2	1.620	2.606	0.2	19.6
2 11	8 46.49	+17 23.3	1.614	2.587	4.6	19.9
2 21	8 36.78	+17 17.7	1.636	2.569	9.2	20.1
3 2	8 29.13	+17 6.0	1.683	2.551	13.3	20.3
3 12	8 24.25	+16 47.8	1.752	2.533	16.8	20.5

91266 1999 CV_{112} 2 1.4 290°.11 0°.3/ 1.6 18

1 2	9 23.43	+15 44.2	1.440	2.299	15.1	19.5
1 12	9 17.03	+15 52.8	1.369	2.295	10.8	19.3
1 22	9 7.93	+16 10.5	1.322	2.291	5.7	19.0
2 1	8 57.17	+16 32.9	1.302	2.287	0.4	18.6
2 11	8 46.23	+16 54.3	1.308	2.283	5.2	18.9
2 21	8 36.59	+17 10.6	1.342	2.279	10.4	19.2
3 2	8 29.48	+17 18.8	1.399	2.275	14.9	19.4
3 12	8 25.61	+17 18.1	1.475	2.271	18.7	19.7

495702 2016 CP_{36} 2 1.4 131°.98 0°.4/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 21.05	+16 21.5	1.688	2.545	13.4	21.3
1 12	9 15.03	+16 55.5	1.621	2.546	9.4	21.1
1 22	9 6.75	+17 37.9	1.578	2.547	4.9	20.8
2 1	8 57.12	+18 23.5	1.562	2.547	0.4	20.5
2 11	8 47.37	+19 6.0	1.576	2.548	4.8	20.8
2 21	8 38.73	+19 40.9	1.617	2.549	9.3	21.1
3 2	8 32.22	+20 5.3	1.682	2.550	13.3	21.3
3 12	8 28.48	+20 18.1	1.769	2.551	16.6	21.6

138625 2000 QL_{244} 2 1.4 180°.99 0°.7/31.8 17

1 2	9 18.07	+18 34.6	2.858	3.702	8.9	21.3
1 12	9 12.23	+19 1.9	2.783	3.703	6.2	21.1
1 22	9 5.04	+19 32.4	2.735	3.703	3.2	20.9
2 1	8 57.05	+20 3.0	2.719	3.703	0.7	20.7
2 11	8 49.00	+20 30.5	2.734	3.703	3.3	21.0
2 21	8 41.59	+20 52.5	2.779	3.702	6.3	21.1
3 2	8 35.44	+21 7.4	2.851	3.701	9.0	21.3
3 12	8 31.00	+21 14.7	2.948	3.699	11.3	21.5

61755 2000 QE_{160} 2 1.4 212°.09 1°.6/ 2.4 18

1 2	9 21.54	+12 4.6	2.065	2.901	12.1	20.0
1 12	9 15.06	+12 1.4	1.985	2.897	8.8	19.8
1 22	9 6.67	+12 7.0	1.931	2.893	5.0	19.6
2 1	8 57.13	+12 19.3	1.906	2.888	1.7	19.3
2 11	8 47.45	+12 35.1	1.911	2.884	4.0	19.5
2 21	8 38.64	+12 51.2	1.944	2.879	7.9	19.7
3 2	8 31.58	+13 4.9	2.005	2.873	11.4	19.9
3 12	8 26.86	+13 14.3	2.088	2.868	14.5	20.1

121662 1999 XP_{26} 2 1.4 71°.20 0°.6/ 1.0 18

1 2	9 20.80	+17 21.9	1.871	2.725	12.4	19.7
1 12	9 14.53	+17 50.3	1.818	2.743	8.6	19.5
1 22	9 6.34	+18 24.5	1.791	2.760	4.5	19.3
2 1	8 57.12	+18 59.6	1.793	2.778	0.6	19.0
2 11	8 47.97	+19 30.9	1.823	2.795	4.4	19.3
2 21	8 39.96	+19 54.8	1.882	2.813	8.3	19.6
3 2	8 33.90	+20 9.5	1.967	2.830	11.8	19.8
3 12	8 30.30	+20 14.5	2.072	2.847	14.7	20.1

460848 2014 WT_{101} 2 1.4 248°.56 0°.5/ 1.1 17

1 2	9 20.38	+15 52.6	1.942	2.792	12.2	21.8
1 12	9 14.50	+16 38.9	1.857	2.779	8.6	21.6
1 22	9 6.51	+17 34.5	1.797	2.766	4.5	21.3
2 1	8 57.14	+18 34.2	1.766	2.752	0.5	20.9
2 11	8 47.47	+19 32.1	1.765	2.737	4.5	21.2
2 21	8 38.62	+20 22.7	1.793	2.722	8.8	21.4
3 2	8 31.59	+21 2.6	1.846	2.707	12.6	21.6
3 12	8 27.09	+21 30.1	1.921	2.692	15.9	21.8

170190 2003 OU_4 2 1.4 203°.81 0°.5/ 1.1 18

1 2	9 24.24	+17 33.3	1.809	2.660	12.9	20.4
1 12	9 17.21	+17 51.3	1.734	2.656	9.1	20.1
1 22	9 7.90	+18 15.1	1.684	2.652	4.8	19.9
2 1	8 57.20	+18 40.3	1.663	2.648	0.5	19.5
2 11	8 46.34	+19 1.9	1.672	2.643	4.7	19.8
2 21	8 36.57	+19 16.6	1.709	2.638	9.1	20.1
3 2	8 28.91	+19 22.5	1.771	2.632	13.0	20.3
3 12	8 24.03	+19 19.2	1.854	2.626	16.3	20.5

134194 2005 CL_{70} 2 1.4 102°.62 0°.2/ 1.3 18

1 2	9 19.50	+16 17.5	2.118	2.966	11.4	20.4
1 12	9 13.54	+16 43.0	2.052	2.974	8.0	20.2
1 22	9 5.82	+17 14.7	2.014	2.981	4.2	20.0
2 1	8 57.12	+17 48.6	2.004	2.989	0.2	19.6
2 11	8 48.38	+18 20.5	2.024	2.996	3.9	20.0
2 21	8 40.55	+18 47.0	2.073	3.003	7.7	20.2
3 2	8 34.42	+19 5.9	2.148	3.010	11.0	20.4
3 12	8 30.51	+19 16.1	2.245	3.017	13.8	20.6

473717 2015 YW_{18} 2 1.4 60°.70 2°.5/ 2.7 18

1 2	9 23.90	+10 18.1	1.318	2.168	16.8	21.0
1 12	9 17.08	+10 22.4	1.276	2.193	12.1	20.8
1 22	9 7.78	+10 42.4	1.256	2.219	7.0	20.5
2 1	8 57.20	+11 14.0	1.262	2.244	2.7	20.3
2 11	8 46.87	+11 51.2	1.296	2.270	5.2	20.6
2 21	8 38.17	+12 28.1	1.355	2.296	9.9	20.9
3 2	8 32.11	+13 0.1	1.438	2.321	14.1	21.2
3 12	8 29.19	+13 24.1	1.541	2.347	17.6	21.5

279202 2009 TO_{43} 2 1.4 15°.62 3°.2/ 3.6 18

1 2	9 18.22	+ 6 36.5	1.916	2.744	13.3	21.0
1 12	9 12.82	+ 6 47.7	1.842	2.744	10.0	20.8
1 22	9 5.54	+ 7 14.3	1.791	2.744	6.3	20.5
2 1	8 57.11	+ 7 54.1	1.768	2.745	3.4	20.4
2 11	8 48.55	+ 8 42.9	1.774	2.745	4.6	20.4
2 21	8 40.86	+ 9 35.5	1.808	2.745	8.1	20.6
3 2	8 34.92	+10 27.0	1.868	2.746	11.7	20.9
3 12	8 31.30	+11 13.2	1.950	2.746	14.8	21.1

282529 2004 RG_{195} 2 1.4 160°.30 1°.5/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 25.52	+19 55.8	1.842	2.693	12.7	20.7
1 12	9 18.00	+20 25.5	1.777	2.700	8.9	20.5
1 22	9 8.26	+20 58.7	1.737	2.706	4.7	20.3
2 1	8 57.22	+21 30.0	1.727	2.711	1.5	20.1
2 11	8 46.16	+21 54.3	1.747	2.716	5.0	20.3
2 21	8 36.28	+22 8.4	1.796	2.719	9.2	20.6
3 2	8 28.58	+22 11.4	1.870	2.723	12.8	20.8
3 12	8 23.65	+22 3.8	1.965	2.725	15.9	21.0

193687 2001 ET_{27} 2 1.4 3°.56 1°.4/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.76	+19 19.8	1.444	2.316	14.3	19.8
1 12	9 13.69	+19 44.1	1.383	2.315	10.0	19.6
1 22	9 6.14	+20 14.3	1.345	2.316	5.2	19.3
2 1	8 57.14	+20 44.3	1.333	2.317	1.4	19.0
2 11	8 48.07	+21 8.3	1.347	2.319	5.5	19.3
2 21	8 40.30	+21 22.1	1.388	2.323	10.3	19.6
3 2	8 34.92	+21 24.0	1.451	2.327	14.5	19.9
3 12	8 32.55	+21 14.1	1.534	2.332	18.0	20.1

10086 1990 SZ 2 1.4 51°.31 4°.8/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.60	+28 4.0	1.396	2.264	15.0	17.2
1 12	9 19.78	+28 27.2	1.354	2.281	10.7	17.0
1 22	9 9.21	+28 44.3	1.335	2.299	6.6	16.8
2 1	8 57.27	+28 48.0	1.343	2.317	4.8	16.8
2 11	8 45.67	+28 33.9	1.377	2.335	7.6	17.0
2 21	8 35.96	+28 2.1	1.438	2.354	11.6	17.3
3 2	8 29.21	+27 15.5	1.521	2.372	15.4	17.5
3 12	8 25.88	+26 18.4	1.624	2.391	18.4	17.8

29446 Gouguenheim 2 1.4 44°.49 1°.8/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.86	+10 57.1	1.184	2.046	17.5	18.5
1 12	9 15.33	+11 26.1	1.135	2.060	12.6	18.3
1 22	9 7.04	+12 13.1	1.108	2.074	7.0	18.0
2 1	8 57.18	+13 12.2	1.105	2.089	2.0	17.8
2 11	8 47.40	+14 14.8	1.129	2.105	5.4	18.0
2 21	8 39.21	+15 12.9	1.177	2.121	10.7	18.4
3 2	8 33.79	+16 0.8	1.248	2.137	15.4	18.7
3 12	8 31.73	+16 35.4	1.338	2.154	19.2	19.0

97790 2000 NB_9 2 1.4 142°.49 0°.5/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.35	+16 50.0	1.958	2.804	12.3	20.1
1 12	9 17.01	+17 22.6	1.897	2.817	8.6	19.9
1 22	9 7.68	+18 1.2	1.862	2.829	4.5	19.7
2 1	8 57.22	+18 41.1	1.856	2.841	0.5	19.4
2 11	8 46.76	+19 17.1	1.881	2.852	4.3	19.7
2 21	8 37.40	+19 45.7	1.935	2.862	8.4	20.0
3 2	8 30.03	+20 4.8	2.015	2.871	11.9	20.2
3 12	8 25.19	+20 14.0	2.117	2.880	14.8	20.5

496411 2013 WN_{104} 2 1.4 45°.55 5°.9/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.10	+30 58.8	1.871	2.736	11.9	20.2
1 12	9 14.30	+32 28.9	1.831	2.752	8.8	20.0
1 22	9 6.34	+33 52.9	1.816	2.768	6.4	19.9
2 1	8 57.16	+35 2.3	1.830	2.785	6.2	19.9
2 11	8 48.00	+35 50.8	1.871	2.801	8.2	20.1
2 21	8 40.06	+36 16.3	1.938	2.819	11.0	20.3
3 2	8 34.27	+36 19.7	2.028	2.836	13.7	20.5
3 12	8 31.19	+36 4.4	2.137	2.854	16.0	20.7

19901 2191 T-3 2 1.4 26°.17 1°.4/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.06	+19 32.3	1.610	2.474	13.5	19.1
1 12	9 15.07	+19 54.7	1.550	2.479	9.5	18.8
1 22	9 6.79	+20 21.5	1.515	2.484	4.9	18.6
2 1	8 57.20	+20 47.5	1.506	2.490	1.4	18.4
2 11	8 47.60	+21 7.5	1.526	2.497	5.2	18.6
2 21	8 39.25	+21 18.1	1.572	2.503	9.6	18.9
3 2	8 33.16	+21 17.9	1.643	2.510	13.5	19.2
3 12	8 29.92	+21 7.2	1.733	2.518	16.8	19.4

43929 1996 JO_9 2 1.4 33°.91 1°.3/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.94	+18 47.1	1.914	2.773	11.9	19.0
1 12	9 13.37	+19 28.0	1.849	2.776	8.3	18.8
1 22	9 5.84	+20 14.2	1.810	2.780	4.3	18.6
2 1	8 57.16	+21 0.5	1.800	2.783	1.3	18.4
2 11	8 48.42	+21 41.4	1.818	2.787	4.7	18.6
2 21	8 40.65	+22 13.0	1.864	2.791	8.6	18.9
3 2	8 34.76	+22 33.2	1.936	2.796	12.1	19.1
3 12	8 31.30	+22 41.5	2.028	2.800	15.1	19.3

47643 2000 CM_{30} 2 1.4 26°.23 1°.3/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 17.67	+11 47.8	1.726	2.576	13.5	18.6
1 12	9 12.56	+12 13.4	1.663	2.582	9.7	18.4
1 22	9 5.43	+12 51.3	1.624	2.589	5.4	18.2
2 1	8 57.15	+13 37.5	1.613	2.596	1.4	17.9
2 11	8 48.81	+14 26.4	1.629	2.604	4.2	18.1
2 21	8 41.50	+15 12.8	1.674	2.613	8.5	18.4
3 2	8 36.13	+15 52.5	1.743	2.622	12.3	18.6
3 12	8 33.26	+16 22.9	1.834	2.631	15.5	18.9

305814 2009 DS_{107} 2 1.4 11°.29 6°.8/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 23.67	+29 46.5	1.214	2.093	15.9	20.1
1 12	9 17.67	+30 48.0	1.164	2.095	11.7	19.8
1 22	9 8.42	+31 43.3	1.136	2.097	7.9	19.6
2 1	8 57.27	+32 21.1	1.133	2.100	7.0	19.6
2 11	8 46.16	+32 33.7	1.155	2.105	9.8	19.8
2 21	8 36.92	+32 19.3	1.199	2.110	14.0	20.0
3 2	8 30.89	+31 41.0	1.265	2.115	17.9	20.3
3 12	8 28.69	+30 44.4	1.347	2.122	21.2	20.5

128859 2004 ST_{21} 2 1.4 46°.26 2°.1/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.58	+10 6.5	1.260	2.118	17.0	19.9
1 12	9 15.09	+10 36.0	1.206	2.128	12.3	19.7
1 22	9 6.93	+11 24.0	1.174	2.138	7.0	19.4
2 1	8 57.22	+12 25.1	1.166	2.149	2.3	19.2
2 11	8 47.49	+13 31.2	1.185	2.161	5.3	19.4
2 21	8 39.22	+14 34.2	1.230	2.173	10.4	19.7
3 2	8 33.58	+15 28.0	1.297	2.185	15.0	20.0
3 12	8 31.19	+16 8.9	1.384	2.197	18.8	20.3

444317 2005 WJ_{13} 2 1.4 110°.88 4°.0/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.40	+24 18.3	1.551	2.414	14.0	22.1
1 12	9 18.89	+25 29.3	1.505	2.432	9.9	21.9
1 22	9 8.80	+26 40.2	1.484	2.449	5.7	21.7
2 1	8 57.30	+27 41.7	1.491	2.466	4.1	21.6
2 11	8 45.89	+28 26.6	1.526	2.483	7.1	21.8
2 21	8 36.03	+28 51.4	1.588	2.499	11.1	22.1
3 2	8 28.80	+28 56.6	1.674	2.514	14.7	22.3
3 12	8 24.77	+28 45.2	1.778	2.529	17.7	22.6

81910 2000 NV_8 2 1.4 112°.47 1°.5/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 17.59	+10 27.8	2.543	3.372	10.4	19.5
1 12	9 11.96	+10 43.6	2.477	3.384	7.5	19.4
1 22	9 4.94	+11 8.4	2.437	3.396	4.4	19.2
2 1	8 57.14	+11 39.6	2.426	3.408	1.7	19.0
2 11	8 49.32	+12 14.1	2.446	3.419	3.3	19.1
2 21	8 42.22	+12 48.5	2.496	3.430	6.4	19.4
3 2	8 36.48	+13 20.1	2.574	3.441	9.2	19.6
3 12	8 32.53	+13 46.6	2.675	3.452	11.7	19.7

77614 2001 KM_{37} 2 1.4 159°.58 5°.2/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.44	+29 34.7	2.081	2.938	11.2	19.5
1 12	9 16.61	+31 8.1	2.025	2.944	8.2	19.4
1 22	9 7.60	+32 37.9	1.996	2.950	5.8	19.2
2 1	8 57.26	+33 55.8	1.997	2.955	5.5	19.2
2 11	8 46.78	+34 55.1	2.027	2.959	7.6	19.3
2 21	8 37.34	+35 32.6	2.085	2.963	10.5	19.5
3 2	8 29.93	+35 48.7	2.166	2.967	13.2	19.7
3 12	8 25.19	+35 46.1	2.268	2.970	15.6	19.9

15223 1984 SN_4 2 1.4 128°.54 0°.3/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.09	+16 32.3	2.135	2.979	11.5	19.7
1 12	9 15.31	+17 2.1	2.074	2.994	8.0	19.5
1 22	9 6.76	+17 37.6	2.041	3.008	4.2	19.3
2 1	8 57.22	+18 14.6	2.037	3.022	0.3	19.0
2 11	8 47.71	+18 48.7	2.063	3.035	3.9	19.3
2 21	8 39.17	+19 16.5	2.119	3.047	7.7	19.6
3 2	8 32.40	+19 36.0	2.202	3.059	11.0	19.8
3 12	8 27.91	+19 46.6	2.307	3.071	13.7	20.0

419875 2011 AP_{33} 2 1.4 131°.99 1°.3/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.28	+19 59.2	1.940	2.794	12.0	21.6
1 12	9 15.66	+20 22.3	1.874	2.799	8.4	21.4
1 22	9 7.03	+20 48.7	1.835	2.804	4.4	21.1
2 1	8 57.24	+21 13.6	1.824	2.808	1.4	20.9
2 11	8 47.42	+21 32.7	1.843	2.812	4.7	21.2
2 21	8 38.66	+21 43.0	1.890	2.816	8.6	21.4
3 2	8 31.87	+21 43.4	1.963	2.820	12.1	21.6
3 12	8 27.61	+21 34.3	2.057	2.824	15.1	21.9

407296 2010 JT_{111} 2 1.4 259°.93 1°.9/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.56	+19 48.1	1.654	2.514	13.5	21.9
1 12	9 17.14	+20 30.7	1.570	2.497	9.5	21.6
1 22	9 8.09	+21 19.8	1.510	2.479	5.1	21.3
2 1	8 57.30	+22 8.7	1.478	2.461	1.9	21.0
2 11	8 46.09	+22 50.4	1.475	2.443	5.8	21.2
2 21	8 35.90	+23 19.8	1.499	2.424	10.5	21.5
3 2	8 28.00	+23 34.8	1.547	2.405	14.8	21.7
3 12	8 23.18	+23 35.4	1.614	2.385	18.4	21.9

402628 2006 TC_{41} 2 1.4 104°.79 1°.0/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.63	+18 13.1	1.948	2.797	12.2	23.0
1 12	9 16.45	+18 49.8	1.898	2.820	8.5	22.8
1 22	9 7.36	+19 31.0	1.874	2.842	4.4	22.6
2 1	8 57.26	+20 11.6	1.880	2.864	1.0	22.4
2 11	8 47.28	+20 46.6	1.916	2.885	4.4	22.7
2 21	8 38.46	+21 12.7	1.980	2.906	8.3	23.0
3 2	8 31.63	+21 28.4	2.071	2.926	11.7	23.2
3 12	8 27.30	+21 33.7	2.184	2.945	14.5	23.5

432131 2009 BX_{52} 2 1.4 70°.39 0°.7/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 17.45	+16 22.0	2.162	3.014	11.0	20.8
1 12	9 12.12	+17 17.6	2.101	3.025	7.7	20.6
1 22	9 5.13	+18 20.3	2.067	3.036	4.0	20.4
2 1	8 57.17	+19 24.8	2.062	3.047	0.7	20.1
2 11	8 49.16	+20 25.6	2.087	3.058	4.0	20.4
2 21	8 42.00	+21 18.4	2.141	3.069	7.7	20.6
3 2	8 36.45	+22 0.2	2.221	3.080	10.9	20.9
3 12	8 33.02	+22 30.0	2.324	3.091	13.5	21.1

101773 1999 FO_{62} 2 1.4 9°.77 2°.7/ 3.3 18

1 2	9 15.83	+ 8 9.0	1.660	2.504	14.2	18.9
1 12	9 11.36	+ 8 29.8	1.593	2.506	10.5	18.7
1 22	9 4.87	+ 9 7.1	1.550	2.510	6.4	18.4
2 1	8 57.17	+ 9 57.6	1.534	2.514	2.9	18.2
2 11	8 49.38	+10 55.9	1.545	2.519	4.6	18.3
2 21	8 42.57	+11 55.7	1.582	2.524	8.6	18.6
3 2	8 37.69	+12 51.3	1.645	2.531	12.5	18.8
3 12	8 35.31	+13 38.5	1.729	2.538	15.8	19.1

134450 1998 SC_{86} 2 1.4 47°.35 2°.6/ 2.9 18

1 2	9 21.19	+ 8 50.9	1.285	2.137	17.0	19.8
1 12	9 15.24	+ 9 16.7	1.247	2.165	12.3	19.6
1 22	9 6.87	+10 1.0	1.231	2.193	7.2	19.4
2 1	8 57.25	+10 58.2	1.240	2.222	2.9	19.2
2 11	8 47.88	+12 0.6	1.276	2.251	5.1	19.4
2 21	8 40.09	+13 0.7	1.338	2.280	9.8	19.8
3 2	8 34.86	+13 52.9	1.423	2.310	14.0	20.1
3 12	8 32.66	+14 33.6	1.529	2.340	17.4	20.4

204405 2004 VQ_3 2 1.4 160°.82 0°.2/ 1.6 18

1 2	9 23.23	+14 25.7	1.886	2.729	12.8	21.5
1 12	9 16.39	+15 1.4	1.818	2.736	9.1	21.3
1 22	9 7.45	+15 46.3	1.775	2.742	4.8	21.0
2 1	8 57.29	+16 35.5	1.762	2.747	0.3	20.7
2 11	8 47.04	+17 23.6	1.779	2.752	4.3	21.0
2 21	8 37.82	+18 5.7	1.825	2.756	8.5	21.3
3 2	8 30.58	+18 38.8	1.897	2.759	12.3	21.5
3 12	8 25.92	+19 1.5	1.990	2.761	15.4	21.7

79492 1998 FB_{58} 2 1.4 43°.45 9°.4/10.9 18

1 2	9 15.29	−14 50.3	2.179	2.885	15.7	18.7
1 12	9 10.62	−14 55.9	2.107	2.895	13.7	18.6
1 22	9 4.36	−14 33.2	2.055	2.904	11.7	18.5
2 1	8 57.16	−13 40.9	2.025	2.914	10.0	18.4
2 11	8 49.88	−12 21.3	2.021	2.924	9.4	18.4
2 21	8 43.39	−10 40.0	2.044	2.934	10.1	18.4
3 2	8 38.40	− 8 44.7	2.092	2.945	11.7	18.6
3 12	8 35.43	− 6 44.2	2.164	2.955	13.6	18.7

248847 2006 TC_{51} 2 1.4 89°.47 2°.6/ 3.2 18

1 2	9 22.78	+ 8 1.6	1.886	2.712	13.6	21.0
1 12	9 15.80	+ 8 20.6	1.839	2.742	9.9	20.9
1 22	9 7.00	+ 8 53.2	1.816	2.772	6.0	20.7
2 1	8 57.27	+ 9 36.1	1.822	2.801	2.7	20.5
2 11	8 47.69	+10 24.3	1.858	2.830	4.2	20.7
2 21	8 39.27	+11 12.8	1.923	2.858	7.9	21.0
3 2	8 32.78	+11 57.5	2.014	2.885	11.3	21.2
3 12	8 28.70	+12 35.3	2.128	2.912	14.1	21.5

294273 2007 UJ_{102} 2 1.4 169°.25 2°.9/29.7 17

1 2	9 19.17	+26 13.7	2.779	3.631	8.9	21.2
1 12	9 13.14	+27 5.2	2.713	3.634	6.3	21.1
1 22	9 5.61	+27 55.4	2.675	3.637	3.8	20.9
2 1	8 57.22	+28 39.9	2.668	3.639	3.0	20.8
2 11	8 48.76	+29 14.6	2.692	3.642	4.9	21.0
2 21	8 41.00	+29 37.4	2.745	3.643	7.5	21.1
3 2	8 34.64	+29 47.6	2.824	3.645	9.9	21.3
3 12	8 30.17	+29 46.1	2.925	3.646	12.0	21.5

420478 2012 EQ_1 2 1.4 163°.63 2°.2/31.1 18

1 2	9 23.89	+22 31.0	1.982	2.836	11.8	21.3
1 12	9 16.81	+22 59.4	1.916	2.840	8.3	21.1
1 22	9 7.66	+23 28.8	1.876	2.843	4.5	20.8
2 1	8 57.32	+23 53.9	1.865	2.846	2.3	20.7
2 11	8 46.94	+24 10.2	1.884	2.849	5.2	20.9
2 21	8 37.65	+24 15.3	1.932	2.851	8.9	21.1
3 2	8 30.37	+24 8.7	2.005	2.852	12.3	21.3
3 12	8 25.69	+23 51.7	2.099	2.854	15.2	21.5

45752 2000 JY_{70} 2 1.4 144°.52 2°.6/ 3.4 18 R

1 2	9 18.87	+ 7 46.3	2.467	3.285	11.0	18.6
1 12	9 12.93	+ 7 43.1	2.393	3.291	8.2	18.5
1 22	9 5.51	+ 7 50.4	2.345	3.297	5.1	18.3
2 1	8 57.23	+ 8 6.7	2.327	3.303	2.8	18.1
2 11	8 48.91	+ 8 29.4	2.339	3.309	3.8	18.2
2 21	8 41.30	+ 8 55.5	2.381	3.314	6.7	18.4
3 2	8 35.10	+ 9 21.9	2.450	3.319	9.6	18.6
3 12	8 30.78	+ 9 46.0	2.543	3.323	12.1	18.8

187499 2006 SZ_{348} 2 1.4 359°.05 3°.7/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 19.44	+23 24.4	1.171	2.055	15.9	20.1
1 12	9 14.70	+24 2.9	1.114	2.051	11.3	19.8
1 22	9 6.92	+24 43.7	1.078	2.049	6.3	19.5
2 1	8 57.30	+25 17.9	1.067	2.047	3.8	19.4
2 11	8 47.58	+25 37.8	1.080	2.047	7.6	19.6
2 21	8 39.49	+25 39.4	1.117	2.049	12.6	19.8
3 2	8 34.34	+25 22.7	1.175	2.052	17.1	20.1
3 12	8 32.81	+24 50.0	1.251	2.056	20.9	20.4

18297 1978 VG_4 2 1.4 300°.56 1°.9/31.2 18

1 2	9 20.57	+20 19.0	1.851	2.711	12.2	19.0
1 12	9 14.64	+21 1.1	1.783	2.710	8.6	18.8
1 22	9 6.60	+21 47.6	1.740	2.709	4.5	18.6
2 1	8 57.28	+22 32.5	1.726	2.708	1.9	18.4
2 11	8 47.85	+23 10.3	1.740	2.708	5.1	18.6
2 21	8 39.44	+23 36.9	1.782	2.707	9.2	18.8
3 2	8 33.02	+23 50.7	1.850	2.706	12.8	19.1
3 12	8 29.21	+23 51.9	1.938	2.705	15.8	19.3

168679 2000 FU_7 2 1.4 5°.50 15°.2/16.9 16

1 2	9 23.49	+45 16.6	1.265	2.123	16.9	17.9
1 12	9 18.90	+49 23.8	1.241	2.123	15.4	17.8
1 22	9 9.84	+53 4.9	1.241	2.124	15.4	17.9
2 1	8 57.44	+55 58.9	1.265	2.126	16.8	17.9
2 11	8 44.10	+57 53.9	1.310	2.129	19.0	18.1
2 21	8 32.69	+58 49.8	1.373	2.133	21.3	18.3
3 2	8 25.56	+58 55.2	1.449	2.138	23.3	18.5
3 12	8 23.86	+58 22.0	1.535	2.144	25.0	18.6

404319 2013 FP_5 2 1.4 290°.85 4°.3/29.8 18

1 2	9 22.07	+23 56.7	1.484	2.354	14.0	20.8
1 12	9 16.26	+25 15.2	1.418	2.348	10.0	20.6
1 22	9 7.68	+26 37.1	1.376	2.343	5.9	20.3
2 1	8 57.34	+27 52.5	1.361	2.337	4.4	20.2
2 11	8 46.73	+28 52.2	1.374	2.331	7.7	20.4
2 21	8 37.39	+29 30.8	1.412	2.325	12.0	20.6
3 2	8 30.60	+29 47.0	1.472	2.320	16.0	20.8
3 12	8 27.14	+29 42.9	1.551	2.314	19.3	21.1

219750 2001 YE 2 1.5 114°.61 2°.9/30.1 18

1 2	9 20.40	+21 52.1	1.972	2.831	11.6	20.2
1 12	9 14.43	+23 17.7	1.914	2.841	8.1	20.0
1 22	9 6.46	+24 46.7	1.883	2.850	4.5	19.8
2 1	8 57.29	+26 11.5	1.882	2.860	3.0	19.8
2 11	8 48.02	+27 24.7	1.911	2.869	5.8	20.0
2 21	8 39.74	+28 21.8	1.968	2.878	9.3	20.2
3 2	8 33.36	+29 0.8	2.050	2.887	12.5	20.4
3 12	8 29.46	+29 22.7	2.153	2.895	15.2	20.6

86532 2000 DO_{86} 2 1.5 32°.89 6°.1/29.7 18

1 2	9 24.66	+27 22.8	1.083	1.966	17.0	17.8
1 12	9 18.49	+28 26.9	1.040	1.975	12.3	17.6
1 22	9 8.90	+29 27.2	1.019	1.985	7.8	17.4
2 1	8 57.39	+30 11.6	1.022	1.995	6.3	17.3
2 11	8 46.05	+30 31.7	1.050	2.006	9.6	17.5
2 21	8 36.79	+30 25.1	1.100	2.018	14.1	17.8
3 2	8 30.98	+29 55.0	1.170	2.031	18.3	18.1
3 12	8 29.15	+29 6.8	1.257	2.044	21.8	18.4

132905 2002 RS_{237} 2 1.5 107°.99 2°.0/ 3.1 18

1 2	9 17.41	+ 8 23.6	2.241	3.069	11.6	20.0
1 12	9 12.05	+ 8 57.7	2.172	3.078	8.5	19.8
1 22	9 5.10	+ 9 44.4	2.129	3.087	5.1	19.6
2 1	8 57.23	+10 40.5	2.115	3.096	2.1	19.4
2 11	8 49.30	+11 41.3	2.131	3.104	3.6	19.5
2 21	8 42.14	+12 42.0	2.176	3.113	7.0	19.8
3 2	8 36.48	+13 38.4	2.249	3.121	10.2	20.0
3 12	8 32.82	+14 27.2	2.345	3.129	12.9	20.2

15101 2000 AY_{150} 2 1.5 309°.56 4°.1/ 5.1 18

1 2	9 16.19	+ 0 19.9	1.899	2.704	14.3	17.6
1 12	9 11.66	+ 1 29.9	1.799	2.685	11.2	17.3
1 22	9 5.13	+ 3 7.2	1.723	2.665	7.6	17.1
2 1	8 57.24	+ 5 8.9	1.675	2.646	4.5	16.8
2 11	8 48.96	+ 7 27.6	1.657	2.627	5.0	16.8
2 21	8 41.32	+ 9 53.6	1.669	2.608	8.5	17.0
3 2	8 35.32	+12 16.5	1.709	2.590	12.4	17.2
3 12	8 31.70	+14 27.7	1.773	2.572	15.9	17.4

339564 2005 KE_2 2 1.5 269°.43 1°.8/30.9 17

1 2	9 18.08	+20 35.3	2.241	3.097	10.5	20.7
1 12	9 12.66	+21 26.5	2.169	3.095	7.3	20.5
1 22	9 5.48	+22 21.5	2.124	3.093	3.9	20.2
2 1	8 57.25	+23 15.1	2.108	3.090	1.9	20.1
2 11	8 48.90	+24 2.2	2.123	3.088	4.6	20.3
2 21	8 41.33	+24 39.1	2.165	3.085	8.1	20.5
3 2	8 35.35	+25 3.9	2.234	3.083	11.2	20.7
3 12	8 31.54	+25 16.3	2.325	3.080	13.9	20.9

313790 2003 YL_{111} 2 1.5 102.°72 0.°9/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 21.89	+15 12.2	1.753	2.604	13.2	20.5
1 12	9 15.51	+16 37.1	1.701	2.624	9.2	20.3
1 22	9 7.02	+18 12.0	1.674	2.643	4.7	20.0
2 1	8 57.32	+19 48.9	1.677	2.662	0.9	19.8
2 11	8 47.61	+21 19.2	1.710	2.680	4.9	20.1
2 21	8 39.04	+22 36.7	1.772	2.698	9.1	20.4
3 2	8 32.55	+23 37.6	1.859	2.715	12.8	20.7
3 12	8 28.72	+24 21.2	1.968	2.732	15.7	20.9

339445 2005 EA_{163} 2 1.5 161.°01 1.°1/ 2.3 18

1 2	9 17.65	+11 50.4	2.276	3.114	11.1	20.9
1 12	9 12.25	+12 19.6	2.202	3.116	8.0	20.7
1 22	9 5.23	+12 58.5	2.154	3.117	4.4	20.5
2 1	8 57.25	+13 44.0	2.134	3.118	1.2	20.3
2 11	8 49.16	+14 31.6	2.145	3.119	3.5	20.5
2 21	8 41.82	+15 17.2	2.186	3.120	7.1	20.7
3 2	8 35.97	+15 57.5	2.253	3.121	10.3	20.9
3 12	8 32.14	+16 30.2	2.343	3.122	13.1	21.1

501342 2013 YC_{10} 2 1.5 77.°43 3.°1/ 3.6 18

1 2	9 18.93	+ 6 59.7	2.311	3.130	11.6	21.0
1 12	9 13.01	+ 6 44.8	2.244	3.141	8.7	20.8
1 22	9 5.56	+ 6 41.3	2.203	3.153	5.6	20.7
2 1	8 57.26	+ 6 48.0	2.191	3.164	3.3	20.5
2 11	8 48.96	+ 7 2.6	2.208	3.176	4.2	20.6
2 21	8 41.45	+ 7 22.0	2.254	3.187	7.0	20.8
3 2	8 35.45	+ 7 43.3	2.327	3.198	9.9	21.0
3 12	8 31.41	+ 8 3.4	2.424	3.210	12.5	21.2

453344 2008 YC_{107} 2 1.5 90.°06 0.°6/ 1.1 18

1 2	9 23.91	+15 54.5	1.540	2.395	14.5	21.5
1 12	9 17.04	+16 42.9	1.492	2.417	10.1	21.3
1 22	9 7.83	+17 40.3	1.469	2.438	5.2	21.1
2 1	8 57.36	+18 39.7	1.474	2.459	0.6	20.8
2 11	8 47.01	+19 34.0	1.507	2.479	5.0	21.2
2 21	8 38.07	+20 18.0	1.568	2.499	9.6	21.5
3 2	8 31.54	+20 49.0	1.653	2.519	13.6	21.8
3 12	8 27.94	+21 6.6	1.759	2.539	16.8	22.0

206757 2004 CH_{5} 2 1.5 320.°14 0.°0/ 1.4 18

1 2	9 16.86	+14 16.8	2.126	2.975	11.3	20.1
1 12	9 11.85	+15 9.9	2.050	2.971	8.0	19.9
1 22	9 5.09	+16 12.8	2.001	2.968	4.2	19.6
2 1	8 57.25	+17 20.5	1.980	2.965	0.2	19.3
2 11	8 49.25	+18 27.5	1.990	2.962	3.9	19.6
2 21	8 42.01	+19 28.6	2.028	2.960	7.7	19.8
3 2	8 36.35	+20 20.0	2.093	2.957	11.2	20.1
3 12	8 32.84	+20 59.6	2.180	2.955	14.1	20.2

244221 2002 AR_{157} 2 1.5 35.°22 0.°1/ 1.5 18

1 2	9 21.03	+14 29.6	1.290	2.156	16.1	20.2
1 12	9 15.48	+15 6.4	1.233	2.162	11.4	19.9
1 22	9 7.22	+15 56.4	1.199	2.168	6.0	19.6
2 1	8 57.35	+16 52.9	1.190	2.175	0.3	19.2
2 11	8 47.42	+17 47.9	1.208	2.183	5.4	19.6
2 21	8 38.94	+18 34.6	1.251	2.190	10.7	20.0
3 2	8 33.10	+19 8.8	1.317	2.199	15.3	20.3
3 12	8 30.55	+19 29.0	1.402	2.207	19.0	20.5

224495 2005 WT_{16} 2 1.5 99.°26 0.°6/ 1.9 18

1 2	9 20.52	+13 56.0	1.901	2.747	12.6	21.0
1 12	9 14.44	+14 18.4	1.837	2.756	8.9	20.8
1 22	9 6.43	+14 49.8	1.798	2.765	4.8	20.6
2 1	8 57.31	+15 26.1	1.788	2.773	0.7	20.3
2 11	8 48.16	+16 2.7	1.807	2.781	4.0	20.6
2 21	8 40.02	+16 35.5	1.855	2.790	8.1	20.8
3 2	8 33.76	+17 1.5	1.929	2.798	11.8	21.1
3 12	8 29.92	+17 18.9	2.024	2.806	14.8	21.3

50203 2000 AH_{203} 2 1.5 212.°94 5.°3/ 4.7 18 R

1 2	9 21.28	+ 1 31.7	2.122	2.917	13.3	18.8
1 12	9 14.93	+ 1 5.7	2.036	2.912	10.5	18.6
1 22	9 6.72	+ 0 55.9	1.974	2.905	7.6	18.4
2 1	8 57.33	+ 1 2.4	1.940	2.898	5.5	18.3
2 11	8 47.74	+ 1 23.6	1.935	2.891	5.9	18.3
2 21	8 38.90	+ 1 55.9	1.958	2.883	8.4	18.4
3 2	8 31.70	+ 2 34.8	2.008	2.875	11.5	18.6
3 12	8 26.73	+ 3 15.5	2.081	2.866	14.3	18.8

216978 2000 OE_{17} 2 1.5 122.°39 0.°8/31.8 18

1 2	9 21.14	+17 18.9	2.410	3.253	10.4	21.3
1 12	9 14.53	+18 9.7	2.354	3.273	7.2	21.2
1 22	9 6.35	+19 5.4	2.326	3.294	3.7	21.0
2 1	8 57.32	+20 1.2	2.329	3.313	0.8	20.8
2 11	8 48.30	+20 52.4	2.363	3.332	3.8	21.0
2 21	8 40.15	+21 35.5	2.427	3.350	7.1	21.3
3 2	8 33.56	+22 8.6	2.519	3.367	10.1	21.5
3 12	8 29.01	+22 31.0	2.633	3.384	12.5	21.7

444176 2005 OA_{20} 2 1.5 131.°22 1.°1/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 28.22	+18 56.1	1.704	2.553	13.6	21.6
1 12	9 19.94	+19 18.2	1.648	2.570	9.5	21.4
1 22	9 9.33	+19 44.4	1.618	2.586	5.0	21.1
2 1	8 57.45	+20 9.2	1.617	2.601	1.1	20.9
2 11	8 45.69	+20 27.7	1.645	2.615	5.0	21.2
2 21	8 35.33	+20 37.0	1.702	2.629	9.4	21.5
3 2	8 27.39	+20 36.4	1.785	2.641	13.2	21.7
3 12	8 22.40	+20 26.4	1.888	2.653	16.3	22.0

324429 2006 SF_{372} 2 1.5 59.°11 0.°6/ 1.0 18

1 2	9 19.72	+13 40.3	1.504	2.362	14.6	20.2
1 12	9 14.22	+15 10.2	1.455	2.381	10.2	20.0
1 22	9 6.43	+16 53.6	1.430	2.400	5.3	19.7
2 1	8 57.32	+18 41.3	1.433	2.418	0.6	19.4
2 11	8 48.22	+20 23.2	1.465	2.438	5.1	19.8
2 21	8 40.38	+21 51.3	1.525	2.457	9.8	20.1
3 2	8 34.81	+23 1.0	1.609	2.476	13.8	20.4
3 12	8 32.10	+23 51.1	1.713	2.495	17.0	20.7

99691 2002 JP_{27} 2 1.5 240.°83 1.°5/ 2.4 18

1 2	9 21.27	+11 21.6	1.718	2.562	13.8	20.1
1 12	9 15.31	+11 45.0	1.638	2.553	10.1	19.9
1 22	9 7.07	+12 21.9	1.582	2.545	5.7	19.6
2 1	8 57.37	+13 8.4	1.553	2.536	1.7	19.3
2 11	8 47.40	+13 59.0	1.553	2.527	4.5	19.5
2 21	8 38.38	+14 48.1	1.581	2.518	9.1	19.7
3 2	8 31.39	+15 31.0	1.634	2.509	13.2	19.9
3 12	8 27.15	+16 4.6	1.709	2.499	16.8	20.1

344093 1999 RB_{19} 2 1.5 171.°99 2.°4/ 2.9 18

1 2	9 25.01	+ 8 40.7	2.006	2.826	13.1	22.0
1 12	9 17.56	+ 8 56.2	1.930	2.832	9.6	21.8
1 22	9 8.09	+ 9 24.6	1.881	2.837	5.8	21.6
2 1	8 57.42	+10 3.1	1.861	2.841	2.5	21.4
2 11	8 46.62	+10 47.2	1.871	2.843	4.3	21.5
2 21	8 36.77	+11 32.4	1.912	2.844	8.1	21.7
3 2	8 28.80	+12 14.6	1.980	2.844	11.7	22.0
3 12	8 23.31	+12 50.5	2.070	2.843	14.8	22.2

347631 2001 SO_{199} 2 1.5 48.°02 4.°4/30.6 18

1 2	9 25.91	+25 2.2	1.191	2.068	16.3	20.4
1 12	9 19.06	+25 44.8	1.147	2.080	11.6	20.2
1 22	9 9.10	+26 26.0	1.126	2.094	6.7	20.0
2 1	8 57.46	+26 56.3	1.129	2.107	4.5	19.9
2 11	8 46.03	+27 8.8	1.159	2.121	7.9	20.1
2 21	8 36.55	+27 1.4	1.212	2.136	12.6	20.4
3 2	8 30.26	+26 35.9	1.287	2.151	16.8	20.7
3 12	8 27.68	+25 56.1	1.380	2.166	20.3	21.0

140448 2001 TQ_{120} 2 1.5 81.°59 3.°8/ 3.6 18

1 2	9 22.98	+ 6 53.0	1.793	2.617	14.2	19.5
1 12	9 16.10	+ 6 33.9	1.738	2.638	10.6	19.3
1 22	9 7.26	+ 6 29.1	1.707	2.658	6.8	19.1
2 1	8 57.38	+ 6 37.5	1.705	2.679	3.9	19.0
2 11	8 47.60	+ 6 55.6	1.731	2.699	5.0	19.1
2 21	8 38.98	+ 7 19.6	1.785	2.719	8.4	19.3
3 2	8 32.38	+ 7 45.4	1.865	2.739	11.9	19.6
3 12	8 28.31	+ 8 9.2	1.967	2.758	14.8	19.8

345112 2005 QD_{33} 2 1.5 120.°66 0.°2/ 1.6 18

1 2	9 24.47	+14 39.9	1.448	2.303	15.3	21.3
1 12	9 17.69	+15 11.1	1.389	2.312	10.8	21.0
1 22	9 8.32	+15 53.5	1.354	2.321	5.7	20.7
2 1	8 57.44	+16 41.1	1.345	2.330	0.4	20.4
2 11	8 46.52	+17 27.1	1.365	2.339	5.1	20.7
2 21	8 37.01	+18 5.7	1.411	2.347	10.1	21.1
3 2	8 30.04	+18 33.7	1.482	2.355	14.4	21.3
3 12	8 26.23	+18 49.8	1.572	2.362	18.0	21.6

44661 1999 RX_{169} 2 1.5 271.°86 2.°1/31.6 18

1 2	9 26.18	+20 39.2	1.356	2.221	15.4	18.3
1 12	9 19.43	+21 2.9	1.278	2.207	11.0	18.0
1 22	9 9.52	+21 31.5	1.223	2.192	5.9	17.7
2 1	8 57.51	+21 57.9	1.194	2.177	2.1	17.4
2 11	8 45.10	+22 15.2	1.192	2.162	6.5	17.6
2 21	8 34.04	+22 19.0	1.216	2.147	11.9	17.9
3 2	8 25.83	+22 8.5	1.262	2.131	16.7	18.1
3 12	8 21.32	+21 45.1	1.327	2.116	20.8	18.4

122629 2000 RD_{77} 2 1.5 154.°22 7.°4/ 6.1 18

1 2	9 23.31	− 6 6.4	2.465	3.206	13.2	19.9
1 12	9 16.09	− 7 6.8	2.388	3.215	11.1	19.7
1 22	9 7.24	− 7 49.4	2.337	3.222	9.0	19.6
2 1	8 57.41	− 8 12.3	2.312	3.229	7.6	19.5
2 11	8 47.47	− 8 15.6	2.317	3.236	7.6	19.5
2 21	8 38.27	− 8 1.5	2.350	3.241	8.9	19.6
3 2	8 30.56	− 7 34.2	2.410	3.247	10.9	19.7
3 12	8 24.87	− 6 58.8	2.493	3.251	12.9	19.9

405515 2005 CD_{44} 2 1.5 283°.28 1°.2/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 22.28	+18 29.3	1.580	2.442	13.9	21.4
1 12	9 16.31	+19 0.7	1.499	2.427	9.8	21.1
1 22	9 7.72	+19 39.4	1.442	2.411	5.2	20.8
2 1	8 57.43	+20 19.6	1.412	2.396	1.2	20.5
2 11	8 46.79	+20 54.8	1.410	2.381	5.5	20.8
2 21	8 37.22	+21 20.0	1.435	2.366	10.4	21.0
3 2	8 29.96	+21 32.8	1.483	2.351	14.8	21.2
3 12	8 25.79	+21 32.7	1.552	2.336	18.4	21.4

383718 2007 UD_{48} 2 1.5 85°.54 0°.5/ 1.0 18

1 2	9 18.82	+17 9.0	2.321	3.169	10.5	21.4
1 12	9 12.97	+17 44.4	2.265	3.187	7.3	21.2
1 22	9 5.57	+18 24.8	2.237	3.205	3.8	21.0
2 1	8 57.33	+19 6.0	2.238	3.222	0.5	20.8
2 11	8 49.12	+19 43.9	2.269	3.240	3.7	21.1
2 21	8 41.77	+20 15.3	2.330	3.257	7.1	21.3
3 2	8 35.98	+20 38.3	2.417	3.275	10.1	21.5
3 12	8 32.20	+20 52.1	2.527	3.292	12.6	21.7

7963 Falcinelli 2 1.5 181°.50 5°.4/ 5.1 18

1 2	9 20.79	+ 0 0.4	2.264	3.049	12.9	18.3
1 12	9 14.46	− 0 21.2	2.183	3.051	10.3	18.1
1 22	9 6.43	− 0 26.2	2.126	3.051	7.6	17.9
2 1	8 57.37	− 0 14.6	2.097	3.051	5.6	17.8
2 11	8 48.17	+ 0 11.8	2.098	3.050	5.8	17.8
2 21	8 39.72	+ 0 49.3	2.127	3.049	8.0	17.9
3 2	8 32.79	+ 1 33.5	2.183	3.047	10.8	18.1
3 12	8 27.95	+ 2 19.5	2.263	3.045	13.4	18.3

285591 2000 QU_{105} 2 1.5 43°.22 3°.0/30.8 17

1 2	9 22.09	+18 51.9	1.061	1.942	17.5	19.3
1 12	9 16.35	+20 28.3	1.033	1.970	12.0	19.1
1 22	9 7.64	+22 11.6	1.028	2.000	6.3	18.9
2 1	8 57.42	+23 48.8	1.048	2.030	3.1	18.8
2 11	8 47.55	+25 8.3	1.094	2.061	7.4	19.1
2 21	8 39.66	+26 4.0	1.163	2.093	12.4	19.5
3 2	8 34.86	+26 34.8	1.253	2.125	16.7	19.8
3 12	8 33.60	+26 43.6	1.362	2.157	20.0	20.1

359150 2009 BO_{119} 2 1.5 237°.15 1°.5/31.5 18

1 2	9 23.30	+19 22.1	1.835	2.689	12.6	21.5
1 12	9 16.74	+20 1.4	1.753	2.677	8.9	21.3
1 22	9 7.84	+20 46.4	1.697	2.665	4.7	21.0
2 1	8 57.45	+21 31.3	1.669	2.653	1.5	20.7
2 11	8 46.76	+22 10.1	1.671	2.640	5.2	21.0
2 21	8 37.04	+22 38.4	1.701	2.626	9.5	21.2
3 2	8 29.37	+22 54.1	1.756	2.612	13.4	21.4
3 12	8 24.48	+22 57.2	1.832	2.597	16.7	21.6

36165 1999 RB_{227} 2 1.5 271°.71 0°.8/ 1.9 18

1 2	9 21.83	+14 34.9	1.997	2.840	12.2	19.4
1 12	9 15.51	+14 32.8	1.907	2.825	8.8	19.2
1 22	9 7.12	+14 37.9	1.844	2.809	4.8	18.9
2 1	8 57.42	+14 47.4	1.809	2.793	0.9	18.6
2 11	8 47.46	+14 58.0	1.803	2.777	4.1	18.8
2 21	8 38.32	+15 6.8	1.827	2.761	8.3	19.0
3 2	8 30.99	+15 11.4	1.876	2.744	12.1	19.2
3 12	8 26.12	+15 10.5	1.947	2.728	15.3	19.4

354360 2003 HW_{50} 2 1.5 274°.31 6°.6/28.1 17

1 2	9 24.57	+29 27.1	1.559	2.426	13.7	21.3
1 12	9 18.33	+31 3.3	1.481	2.405	10.2	21.0
1 22	9 8.99	+32 39.1	1.427	2.383	7.2	20.8
2 1	8 57.51	+34 2.8	1.401	2.361	6.9	20.7
2 11	8 45.44	+35 3.9	1.401	2.339	9.7	20.8
2 21	8 34.51	+35 36.9	1.427	2.317	13.6	21.0
3 2	8 26.24	+35 41.7	1.474	2.294	17.4	21.2
3 12	8 21.59	+35 22.4	1.539	2.271	20.7	21.3

316682 1995 US_{61} 2 1.5 237°.02 1°.9/31.5 18

1 2	9 24.93	+20 6.4	1.400	2.265	15.1	21.0
1 12	9 18.27	+20 38.3	1.334	2.263	10.6	20.8
1 22	9 8.76	+21 15.5	1.292	2.261	5.6	20.5
2 1	8 57.50	+21 51.1	1.276	2.259	2.0	20.2
2 11	8 46.08	+22 17.9	1.287	2.257	6.1	20.5
2 21	8 36.09	+22 31.9	1.325	2.255	11.1	20.8
3 2	8 28.81	+22 31.7	1.386	2.253	15.6	21.0
3 12	8 24.96	+22 18.4	1.465	2.251	19.3	21.3

406207 2006 XN_{65} 2 1.5 90°.18 0°.2/ 1.6 18

1 2	9 20.62	+12 41.9	1.786	2.632	13.3	20.5
1 12	9 14.59	+13 50.3	1.732	2.651	9.3	20.3
1 22	9 6.55	+15 10.5	1.704	2.671	4.9	20.1
2 1	8 57.39	+16 36.1	1.705	2.690	0.4	19.8
2 11	8 48.24	+17 59.4	1.735	2.708	4.3	20.1
2 21	8 40.17	+19 14.0	1.794	2.727	8.5	20.4
3 2	8 34.09	+20 15.6	1.880	2.745	12.2	20.7
3 12	8 30.53	+21 2.6	1.987	2.763	15.2	20.9

35583 1998 HX_{45} 2 1.5 121°.76 1°.3/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 21.17	+19 18.9	2.058	2.911	11.5	18.8
1 12	9 14.84	+19 54.6	1.996	2.920	8.0	18.6
1 22	9 6.65	+20 34.2	1.960	2.928	4.2	18.4
2 1	8 57.40	+21 12.9	1.953	2.937	1.3	18.2
2 11	8 48.13	+21 45.9	1.976	2.945	4.5	18.4
2 21	8 39.84	+22 10.1	2.028	2.953	8.2	18.7
3 2	8 33.36	+22 23.8	2.106	2.961	11.5	18.9
3 12	8 29.24	+22 26.9	2.206	2.968	14.3	19.1

32981 1996 VO_{27} 2 1.5 133°.85 0°.2/ 1.7 18

1 2	9 18.25	+14 46.0	2.670	3.508	9.6	20.1
1 12	9 12.45	+15 13.2	2.603	3.519	6.8	19.9
1 22	9 5.29	+15 46.3	2.564	3.530	3.6	19.7
2 1	8 57.35	+16 22.3	2.555	3.540	0.3	19.5
2 11	8 49.38	+16 57.6	2.577	3.550	3.1	19.7
2 21	8 42.11	+17 29.3	2.629	3.559	6.3	19.9
3 2	8 36.16	+17 55.4	2.709	3.568	9.1	20.1
3 12	8 31.99	+18 14.4	2.813	3.577	11.5	20.3

48352 6320 *P–L* 2 1.5 186°.05 3°.0/ 3.9 18

1 2	9 17.16	+ 5 28.0	2.429	3.242	11.3	19.4
1 12	9 11.86	+ 5 43.3	2.348	3.242	8.5	19.2
1 22	9 5.05	+ 6 12.0	2.293	3.241	5.5	19.0
2 1	8 57.34	+ 6 52.0	2.267	3.241	3.2	18.8
2 11	8 49.51	+ 7 40.2	2.271	3.240	3.9	18.9
2 21	8 42.34	+ 8 32.3	2.305	3.239	6.8	19.1
3 2	8 36.52	+ 9 24.3	2.365	3.238	9.8	19.3
3 12	8 32.57	+10 12.4	2.450	3.236	12.4	19.4

372987 2011 CF_{71} 2 1.5 342°.75 0°.1/ 1.4 18

1 2	9 18.07	+14 42.0	1.663	2.521	13.5	20.6
1 12	9 13.11	+15 27.6	1.591	2.517	9.5	20.3
1 22	9 5.94	+16 24.7	1.544	2.513	5.0	20.1
2 1	8 57.40	+17 27.5	1.524	2.509	0.2	19.7
2 11	8 48.66	+18 29.4	1.532	2.505	4.7	20.0
2 21	8 40.91	+19 24.2	1.567	2.503	9.3	20.3
3 2	8 35.20	+20 7.6	1.626	2.500	13.3	20.5
3 12	8 32.18	+20 37.7	1.707	2.498	16.7	20.7

319654 2006 TA_{16} 2 1.5 74°.01 2°.8/ 3.2 18

1 2	9 20.37	+ 8 27.1	1.665	2.502	14.5	21.0
1 12	9 14.61	+ 8 36.9	1.596	2.506	10.7	20.8
1 22	9 6.67	+ 9 2.2	1.552	2.510	6.5	20.5
2 1	8 57.43	+ 9 40.1	1.534	2.514	3.0	20.3
2 11	8 48.08	+10 25.9	1.544	2.517	4.7	20.5
2 21	8 39.79	+11 13.8	1.582	2.521	8.9	20.7
3 2	8 33.55	+11 58.8	1.645	2.525	12.8	20.9
3 12	8 29.99	+12 37.0	1.729	2.529	16.2	21.2

171067 2005 EZ_{147} 2 1.5 35°.18 2°.5/31.2 18

1 2	9 22.00	+20 36.4	1.267	2.142	15.7	19.6
1 12	9 16.21	+21 21.8	1.219	2.153	10.9	19.4
1 22	9 7.63	+22 12.2	1.193	2.164	5.8	19.1
2 1	8 57.47	+22 59.4	1.193	2.176	2.5	18.9
2 11	8 47.40	+23 35.5	1.219	2.189	6.5	19.2
2 21	8 38.94	+23 56.1	1.270	2.202	11.4	19.5
3 2	8 33.28	+24 0.2	1.344	2.216	15.7	19.8
3 12	8 30.98	+23 49.2	1.436	2.230	19.2	20.1

184251 2004 SD_{47} 2 1.5 186°.51 0°.7/31.9 18

1 2	9 17.52	+19 2.1	2.920	3.765	8.7	20.6
1 12	9 11.92	+19 21.3	2.844	3.765	6.1	20.4
1 22	9 5.01	+19 43.1	2.797	3.764	3.1	20.2
2 1	8 57.36	+20 4.8	2.779	3.764	0.7	20.0
2 11	8 49.64	+20 23.6	2.793	3.763	3.2	20.2
2 21	8 42.54	+20 37.2	2.837	3.762	6.1	20.4
3 2	8 36.67	+20 44.5	2.909	3.761	8.8	20.6
3 12	8 32.45	+20 44.9	3.004	3.760	11.0	20.8

503000 2015 FK_{96} 2 1.5 285°.89 2°.8/30.7 17

1 2	9 21.77	+25 43.6	2.292	3.146	10.4	20.7
1 12	9 15.26	+26 2.2	2.213	3.136	7.4	20.4
1 22	9 6.90	+26 18.9	2.162	3.126	4.3	20.2
2 1	8 57.45	+26 29.3	2.140	3.117	2.9	20.1
2 11	8 47.89	+26 30.0	2.148	3.107	5.2	20.3
2 21	8 39.21	+26 19.2	2.185	3.097	8.4	20.4
3 2	8 32.27	+25 57.1	2.247	3.088	11.4	20.6
3 12	8 27.62	+25 25.1	2.332	3.078	14.1	20.8

135994 2002 VY_{20} 2 1.5 132°.56 2°.2/ 3.1 18

1 2	9 19.34	+ 9 4.4	2.481	3.303	10.8	19.5
1 12	9 13.28	+ 9 2.3	2.410	3.312	8.0	19.4
1 22	9 5.76	+ 9 9.8	2.366	3.321	4.9	19.2
2 1	8 57.40	+ 9 25.1	2.351	3.329	2.4	19.0
2 11	8 49.01	+ 9 45.5	2.367	3.338	3.6	19.1
2 21	8 41.36	+10 8.3	2.412	3.345	6.6	19.3
3 2	8 35.13	+10 30.6	2.485	3.353	9.5	19.5
3 12	8 30.77	+10 50.1	2.582	3.360	12.0	19.7

238759 2005 JY_{20} 2 1.5 252.°13 4.°5/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 20.65	+29 38.0	2.258	3.115	10.4	20.6
1 12	9 14.57	+30 33.2	2.193	3.113	7.6	20.4
1 22	9 6.57	+31 24.7	2.154	3.110	5.2	20.3
2 1	8 57.44	+32 6.4	2.145	3.108	4.6	20.2
2 11	8 48.21	+32 33.5	2.164	3.105	6.6	20.3
2 21	8 39.91	+32 43.8	2.211	3.103	9.4	20.5
3 2	8 33.39	+32 37.6	2.283	3.100	12.1	20.7
3 12	8 29.24	+32 16.9	2.375	3.097	14.5	20.8

4429 Chinmoy 2 1.5 71.°96 0.°3/ 1.3 18

1 2	9 25.20	+16 10.3	1.396	2.255	15.5	17.9
1 12	9 18.06	+16 38.7	1.354	2.279	10.8	17.7
1 22	9 8.44	+17 15.7	1.335	2.304	5.6	17.5
2 1	8 57.52	+17 54.9	1.343	2.328	0.3	17.2
2 11	8 46.85	+18 30.0	1.379	2.352	5.1	17.6
2 21	8 37.79	+18 56.5	1.441	2.376	10.0	17.9
3 2	8 31.36	+19 12.3	1.528	2.400	14.1	18.2
3 12	8 28.07	+19 17.0	1.634	2.423	17.4	18.5

31407 1999 AP_4 2 1.5 181.°82 2.°3/30.6 18

1 2	9 20.62	+20 4.0	2.051	2.906	11.4	18.4
1 12	9 14.65	+21 27.7	1.982	2.907	8.0	18.2
1 22	9 6.67	+22 57.2	1.939	2.907	4.3	17.9
2 1	8 57.45	+24 25.2	1.927	2.907	2.4	17.8
2 11	8 48.03	+25 44.5	1.945	2.907	5.3	18.0
2 21	8 39.46	+26 49.8	1.992	2.906	9.0	18.2
3 2	8 32.68	+27 38.2	2.065	2.904	12.3	18.4
3 12	8 28.34	+28 9.9	2.159	2.903	15.1	18.6

85235 1993 JA 2 1.5 229.°78 19.°0/14.3 16

1 2	9 53.95	+62 19.5	1.505	2.263	19.5	20.5
1 12	9 42.94	+65 2.5	1.475	2.252	19.0	20.5
1 22	9 23.69	+67 8.1	1.464	2.240	19.2	20.5
2 1	8 58.27	+68 17.0	1.470	2.227	20.1	20.5
2 11	8 31.94	+68 19.5	1.493	2.213	21.4	20.5
2 21	8 10.47	+67 21.2	1.531	2.198	22.9	20.6
3 2	7 57.20	+65 36.8	1.580	2.183	24.5	20.7
3 12	7 52.40	+63 22.7	1.638	2.166	25.8	20.8

249394 2009 BD_{115} 2 1.5 65.°60 0.°9/31.8 18

1 2	9 18.26	+18 5.3	2.244	3.097	10.7	21.2
1 12	9 12.76	+18 40.2	2.175	3.099	7.5	21.0
1 22	9 5.57	+19 20.1	2.132	3.101	3.9	20.8
2 1	8 57.40	+20 0.8	2.119	3.103	0.9	20.5
2 11	8 49.16	+20 37.7	2.135	3.105	4.0	20.8
2 21	8 41.72	+21 7.6	2.180	3.108	7.6	21.0
3 2	8 35.85	+21 28.4	2.252	3.110	10.7	21.2
3 12	8 32.09	+21 39.3	2.346	3.112	13.4	21.4

122969 2000 SW_{222} 2 1.5 176.°74 2.°7/ 3.4 18

1 2	9 19.35	+ 7 45.9	2.043	2.870	12.6	20.7
1 12	9 13.62	+ 7 59.5	1.967	2.871	9.4	20.5
1 22	9 6.07	+ 8 26.7	1.916	2.871	5.8	20.3
2 1	8 57.43	+ 9 5.2	1.893	2.872	2.8	20.1
2 11	8 48.65	+ 9 50.8	1.900	2.872	4.2	20.2
2 21	8 40.71	+10 38.8	1.936	2.872	7.7	20.4
3 2	8 34.43	+11 25.0	1.998	2.872	11.2	20.6
3 12	8 30.39	+12 5.7	2.082	2.871	14.2	20.8

152905 2000 DW_{60} 2 1.5 144.°75 2.°6/31.1 18

1 2	9 27.15	+22 29.8	1.684	2.540	13.4	20.0
1 12	9 19.39	+23 8.0	1.625	2.550	9.4	19.8
1 22	9 9.18	+23 47.6	1.592	2.559	5.2	19.6
2 1	8 57.57	+24 21.6	1.587	2.568	2.7	19.4
2 11	8 45.99	+24 44.5	1.611	2.575	5.9	19.7
2 21	8 35.78	+24 53.4	1.663	2.583	10.1	19.9
3 2	8 28.02	+24 48.2	1.740	2.589	13.8	20.2
3 12	8 23.29	+24 30.7	1.837	2.595	16.9	20.4

508385 2016 FA_{63} 2 1.5 186.°19 0.°9/31.6 17

1 2	9 17.77	+17 38.8	2.576	3.423	9.6	22.0
1 12	9 12.30	+18 33.7	2.501	3.423	6.7	21.8
1 22	9 5.31	+19 34.1	2.454	3.422	3.5	21.6
2 1	8 57.40	+20 35.6	2.437	3.422	0.9	21.4
2 11	8 49.37	+21 33.4	2.452	3.420	3.7	21.6
2 21	8 41.98	+22 23.7	2.496	3.419	7.0	21.8
3 2	8 35.95	+23 4.1	2.568	3.417	9.9	22.0
3 12	8 31.79	+23 33.5	2.663	3.415	12.4	22.1

433526 2013 WX_{79} 2 1.5 33.°62 4.°5/29.4 18

1 2	9 21.30	+29 3.5	2.047	2.907	11.2	21.1
1 12	9 15.09	+29 52.2	1.988	2.910	8.1	20.9
1 22	9 6.86	+30 36.9	1.955	2.913	5.4	20.7
2 1	8 57.47	+31 11.3	1.950	2.917	4.6	20.7
2 11	8 48.06	+31 30.6	1.974	2.920	6.7	20.8
2 21	8 39.72	+31 32.9	2.025	2.924	9.7	21.0
3 2	8 33.35	+31 18.8	2.101	2.927	12.7	21.2
3 12	8 29.51	+30 50.8	2.197	2.931	15.1	21.4

96553 1998 SS_{114} 2 1.5 108.°10 1.°3/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 19.97	+19 15.3	2.135	2.988	11.1	19.7
1 12	9 13.98	+19 55.0	2.073	2.997	7.7	19.5
1 22	9 6.22	+20 38.7	2.037	3.005	4.0	19.3
2 1	8 57.45	+21 21.7	2.030	3.014	1.3	19.1
2 11	8 48.64	+21 59.1	2.054	3.022	4.4	19.4
2 21	8 40.75	+22 27.7	2.106	3.030	8.0	19.6
3 2	8 34.58	+22 45.8	2.184	3.038	11.2	19.8
3 12	8 30.66	+22 53.0	2.284	3.046	13.9	20.0

292438 2006 SO_{346} 2 1.5 127.°35 2.°7/30.4 18

1 2	9 20.30	+25 36.5	2.526	3.379	9.6	21.0
1 12	9 14.03	+26 7.4	2.463	3.385	6.8	20.8
1 22	9 6.18	+26 36.8	2.427	3.390	4.0	20.6
2 1	8 57.45	+27 0.4	2.420	3.396	2.8	20.6
2 11	8 48.71	+27 14.9	2.445	3.401	4.8	20.7
2 21	8 40.80	+27 18.4	2.498	3.406	7.7	20.9
3 2	8 34.45	+27 10.8	2.577	3.411	10.4	21.1
3 12	8 30.14	+26 53.0	2.679	3.416	12.6	21.3

111876 2002 ED_{111} 2 1.5 258.°98 1.°5/31.5 18

1 2	9 19.73	+18 58.1	1.952	2.809	11.8	19.8
1 12	9 14.06	+19 45.6	1.879	2.805	8.3	19.6
1 22	9 6.38	+20 38.9	1.832	2.801	4.3	19.3
2 1	8 57.46	+21 32.3	1.814	2.797	1.5	19.1
2 11	8 48.38	+22 20.2	1.825	2.794	4.8	19.3
2 21	8 40.20	+22 58.1	1.864	2.790	8.8	19.6
3 2	8 33.86	+23 23.6	1.929	2.786	12.3	19.8
3 12	8 29.99	+23 36.4	2.015	2.782	15.3	20.0

334242 2001 TA_{103} 2 1.5 87.°82 4.°1/ 4.8 18

1 2	9 19.39	+ 2 19.1	2.552	3.345	11.4	21.3
1 12	9 13.19	+ 2 8.0	2.496	3.373	8.8	21.1
1 22	9 5.65	+ 2 10.5	2.466	3.400	6.2	21.0
2 1	8 57.43	+ 2 25.5	2.465	3.426	4.3	20.9
2 11	8 49.27	+ 2 50.8	2.494	3.453	4.6	21.0
2 21	8 41.90	+ 3 22.9	2.552	3.479	6.7	21.1
3 2	8 35.90	+ 3 58.5	2.639	3.504	9.1	21.3
3 12	8 31.70	+ 4 33.8	2.749	3.529	11.3	21.5

110988 2001 UJ_{193} 2 1.5 204.°57 0.°2/ 1.4 18

1 2	9 24.05	+17 37.8	2.136	2.980	11.5	20.8
1 12	9 16.90	+17 41.9	2.057	2.976	8.1	20.6
1 22	9 7.80	+17 50.1	2.004	2.971	4.3	20.4
2 1	8 57.54	+17 59.1	1.981	2.966	0.3	20.0
2 11	8 47.16	+18 5.6	1.989	2.961	4.0	20.3
2 21	8 37.69	+18 7.1	2.026	2.955	7.9	20.5
3 2	8 30.03	+18 2.5	2.090	2.949	11.5	20.8
3 12	8 24.77	+17 51.4	2.177	2.942	14.4	20.9

79648 1998 SQ_{15} 2 1.5 48.°71 0.°9/ 1.9 18

1 2	9 21.61	+13 31.2	1.385	2.244	15.6	19.5
1 12	9 15.65	+13 53.3	1.336	2.261	11.1	19.3
1 22	9 7.25	+14 27.6	1.310	2.278	6.0	19.0
2 1	8 57.51	+15 8.7	1.311	2.295	1.0	18.7
2 11	8 47.87	+15 50.3	1.338	2.313	4.9	19.1
2 21	8 39.68	+16 26.7	1.392	2.332	9.8	19.4
3 2	8 33.97	+16 54.3	1.469	2.350	14.0	19.7
3 12	8 31.28	+17 11.3	1.566	2.369	17.5	20.0

373649 2002 PA_{172} 2 1.5 71.°20 0.°8/ 2.1 18

1 2	9 20.83	+13 35.8	2.027	2.870	12.1	20.7
1 12	9 14.48	+13 49.6	1.977	2.893	8.6	20.5
1 22	9 6.43	+14 11.5	1.952	2.917	4.6	20.3
2 1	8 57.49	+14 37.9	1.956	2.940	0.9	20.0
2 11	8 48.66	+15 5.0	1.989	2.963	3.7	20.3
2 21	8 40.86	+15 29.3	2.052	2.987	7.5	20.6
3 2	8 34.85	+15 48.5	2.141	3.010	10.8	20.8
3 12	8 31.08	+16 1.0	2.252	3.032	13.5	21.1

248784 2006 SF_{46} 2 1.5 123.°10 0.°6/ 2.0 18

1 2	9 21.11	+12 3.9	2.066	2.903	12.1	20.7
1 12	9 14.78	+12 57.1	2.006	2.920	8.6	20.5
1 22	9 6.66	+14 1.1	1.971	2.936	4.7	20.3
2 1	8 57.52	+15 10.7	1.967	2.952	0.8	20.0
2 11	8 48.36	+16 20.1	1.993	2.967	3.8	20.3
2 21	8 40.13	+17 24.1	2.049	2.981	7.7	20.6
3 2	8 33.65	+18 18.7	2.132	2.995	11.1	20.8
3 12	8 29.43	+19 2.1	2.238	3.008	13.9	21.0

371717 2007 EE_{63} 2 1.5 282.°93 3.°3/ 3.9 18

1 2	9 17.81	+ 5 11.0	1.879	2.703	13.7	21.1
1 12	9 12.73	+ 5 43.5	1.800	2.700	10.3	20.9
1 22	9 5.71	+ 6 34.5	1.745	2.697	6.6	20.7
2 1	8 57.49	+ 7 41.2	1.717	2.694	3.5	20.5
2 11	8 49.06	+ 8 58.0	1.719	2.690	4.6	20.5
2 21	8 41.46	+10 18.2	1.748	2.687	8.2	20.7
3 2	8 35.59	+11 35.6	1.804	2.684	11.9	20.9
3 12	8 32.09	+12 44.9	1.883	2.681	15.1	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
518712 2009 BR_{192}			2 1.5 110°.27	1°.2/ 2.6 18		
	h m	° ′			°	m
1 2	9 16.96	+10 32.8	2.407	3.240	10.7	21.1
1 12	9 11.74	+11 11.5	2.338	3.248	7.7	21.0
1 22	9 5.03	+12 0.5	2.294	3.256	4.4	20.8
2 1	8 57.45	+12 56.5	2.280	3.263	1.4	20.5
2 11	8 49.81	+13 55.0	2.297	3.271	3.3	20.7
2 21	8 42.87	+14 51.6	2.343	3.278	6.7	20.9
3 2	8 37.32	+15 42.8	2.417	3.285	9.7	21.1
3 12	8 33.65	+16 26.1	2.514	3.292	12.3	21.3
371961 2008 FQ_{58}			2 1.5 299°.96	3°.6/30.2 18		
1 2	9 21.34	+23 51.1	1.637	2.504	13.1	21.2
1 12	9 15.69	+24 48.5	1.559	2.489	9.4	21.0
1 22	9 7.48	+25 48.9	1.507	2.474	5.4	20.7
2 1	8 57.58	+26 44.2	1.481	2.458	3.7	20.6
2 11	8 47.35	+27 26.9	1.483	2.443	6.9	20.7
2 21	8 38.19	+27 52.3	1.512	2.429	11.1	20.9
3 2	8 31.32	+27 59.2	1.564	2.414	15.0	21.1
3 12	8 27.51	+27 48.8	1.634	2.400	18.4	21.3
42568 1996 YC			2 1.5 349°.47	11°.5/ 2.4 18		
1 2	9 28.90	+ 2 16.7	1.145	1.972	20.4	17.1
1 12	9 21.58	− 0 43.2	1.074	1.961	16.8	16.8
1 22	9 10.82	− 3 29.9	1.025	1.952	13.4	16.6
2 1	8 57.75	− 5 52.1	1.001	1.945	11.5	16.5
2 11	8 44.23	− 7 40.6	1.001	1.939	12.6	16.5
2 21	8 32.20	− 8 52.4	1.025	1.935	15.8	16.6
3 2	8 23.29	− 9 31.1	1.070	1.932	19.5	16.9
3 12	8 18.41	− 9 45.7	1.130	1.931	22.9	17.1
1991 Darwin			2 1.5 175°.58	1°.0/31.9 18		
1 2	9 26.36	+18 38.6	1.859	2.707	12.8	17.6
1 12	9 18.74	+19 4.3	1.789	2.710	9.0	17.3
1 22	9 8.86	+19 34.7	1.745	2.713	4.7	17.1
2 1	8 57.65	+20 4.7	1.730	2.714	1.0	16.8
2 11	8 46.34	+20 29.3	1.745	2.715	4.8	17.1
2 21	8 36.16	+20 45.1	1.789	2.715	9.0	17.3
3 2	8 28.13	+20 50.9	1.859	2.714	12.8	17.6
3 12	8 22.86	+20 46.7	1.950	2.713	15.9	17.8
293381 2007 EH_{36}			2 1.5 284°.81	0°.3/ 1.7 18		
1 2	9 18.27	+12 33.0	1.877	2.724	12.7	20.0
1 12	9 13.23	+13 36.7	1.787	2.707	9.1	19.7
1 22	9 6.09	+14 55.0	1.723	2.689	4.9	19.4
2 1	8 57.52	+16 22.5	1.687	2.672	0.4	19.1
2 11	8 48.58	+17 51.9	1.681	2.654	4.3	19.3
2 21	8 40.38	+19 15.8	1.703	2.637	8.8	19.6
3 2	8 33.93	+20 28.6	1.751	2.619	12.8	19.8
3 12	8 30.00	+21 27.1	1.821	2.601	16.2	20.0
125125 2001 UV_{53}			2 1.5 249°.22	6°.0/28.9 18		
1 2	9 25.32	+28 44.3	1.537	2.403	13.9	19.6
1 12	9 18.71	+30 4.1	1.470	2.395	10.2	19.4
1 22	9 9.14	+31 21.8	1.427	2.386	6.9	19.2
2 1	8 57.67	+32 26.6	1.412	2.377	6.2	19.1
2 11	8 45.90	+33 9.9	1.423	2.367	8.9	19.2
2 21	8 35.47	+33 27.6	1.460	2.358	12.8	19.4
3 2	8 27.74	+33 20.6	1.519	2.348	16.5	19.6
3 12	8 23.52	+32 53.0	1.596	2.338	19.7	19.8
174761 2003 VX_{11}			2 1.5 151°.57	5°.6/ 5.1 18		
1 2	9 23.37	− 0 1.0	2.188	2.971	13.4	21.1
1 12	9 16.29	− 0 28.1	2.116	2.982	10.6	21.0
1 22	9 7.45	− 0 38.3	2.068	2.992	7.8	20.8
2 1	8 57.59	− 0 31.4	2.049	3.001	5.8	20.7
2 11	8 47.66	− 0 9.4	2.058	3.010	6.0	20.7
2 21	8 38.60	+ 0 24.1	2.097	3.017	8.3	20.9
3 2	8 31.19	+ 1 4.5	2.163	3.024	11.0	21.1
3 12	8 25.99	+ 1 46.9	2.252	3.030	13.6	21.3
413954 2007 BF_{43}			2 1.5 354°.70	0°.2/ 1.4 18		
1 2	9 20.01	+15 41.9	1.665	2.522	13.5	21.2
1 12	9 14.47	+16 15.1	1.596	2.521	9.5	21.0
1 22	9 6.70	+16 57.7	1.552	2.520	5.0	20.7
2 1	8 57.56	+17 44.5	1.535	2.520	0.3	20.3
2 11	8 48.27	+18 29.4	1.546	2.519	4.7	20.7
2 21	8 40.06	+19 7.4	1.584	2.519	9.2	20.9
3 2	8 33.93	+19 35.2	1.647	2.519	13.3	21.2
3 12	8 30.55	+19 51.4	1.731	2.519	16.6	21.4
167547 2004 AG_{16}			2 1.5 174°.34	1°.2/ 2.3 18		
1 2	9 19.75	+12 48.3	2.437	3.271	10.6	20.5
1 12	9 13.68	+12 50.7	2.361	3.273	7.6	20.3
1 22	9 6.06	+13 0.3	2.311	3.274	4.3	20.1
2 1	8 57.53	+13 14.8	2.291	3.274	1.3	19.9
2 11	8 48.92	+13 31.5	2.302	3.275	3.4	20.0
2 21	8 41.06	+13 47.7	2.342	3.275	6.8	20.2
3 2	8 34.64	+14 1.1	2.410	3.275	9.8	20.4
3 12	8 30.18	+14 10.1	2.501	3.275	12.5	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
215065 2009 DR_{126}			2 1.5 150°.96	1°.1/ 2.2 18		
	h m	° ′			°	m
1 2	9 22.37	+12 15.3	2.026	2.862	12.3	21.1
1 12	9 15.74	+12 41.0	1.958	2.871	8.8	20.8
1 22	9 7.21	+13 16.6	1.916	2.880	4.9	20.6
2 1	8 57.59	+13 58.6	1.903	2.887	1.2	20.4
2 11	8 47.90	+14 42.0	1.921	2.894	3.9	20.6
2 21	8 39.16	+15 22.7	1.967	2.901	7.8	20.8
3 2	8 32.22	+15 57.3	2.041	2.906	11.4	21.1
3 12	8 27.65	+16 23.8	2.136	2.912	14.3	21.3
504252 2006 UT_{334}			2 1.5 254°.69	8°.6/ 8.6 17		
1 2	9 17.23	−13 36.2	2.741	3.436	13.0	21.0
1 12	9 11.94	−14 25.5	2.649	3.425	11.5	20.9
1 22	9 5.18	−14 54.8	2.577	3.414	10.0	20.8
2 1	8 57.50	−15 1.6	2.530	3.403	8.9	20.7
2 11	8 49.59	−14 45.9	2.509	3.392	8.7	20.6
2 21	8 42.19	−14 9.7	2.515	3.380	9.4	20.7
3 2	8 35.98	−13 17.2	2.545	3.369	10.8	20.7
3 12	8 31.50	−12 13.8	2.598	3.357	12.5	20.8
117929 4742 P–L			2 1.5 61°.17	2°.1/31.5 17		
1 2	9 24.81	+20 11.6	1.315	2.184	15.6	19.5
1 12	9 18.06	+20 49.9	1.271	2.202	10.9	19.3
1 22	9 8.59	+21 32.8	1.249	2.219	5.7	19.1
2 1	8 57.65	+22 12.5	1.254	2.237	2.1	18.9
2 11	8 46.90	+22 42.1	1.286	2.255	6.1	19.2
2 21	8 37.83	+22 57.8	1.343	2.274	11.0	19.5
3 2	8 31.57	+22 59.0	1.423	2.292	15.2	19.8
3 12	8 28.64	+22 46.9	1.522	2.310	18.6	20.1
240522 2004 FA_{96}			2 1.5 348°.56	4°.5/29.4 18		
1 2	9 18.99	+26 58.4	1.791	2.660	12.1	19.7
1 12	9 13.80	+28 1.5	1.727	2.655	8.7	19.5
1 22	9 6.36	+29 3.5	1.687	2.650	5.6	19.3
2 1	8 57.56	+29 56.8	1.675	2.646	4.6	19.2
2 11	8 48.60	+30 35.0	1.691	2.642	7.1	19.4
2 21	8 40.72	+30 54.7	1.733	2.639	10.6	19.6
3 2	8 34.93	+30 55.4	1.798	2.637	13.9	19.8
3 12	8 31.88	+30 39.1	1.883	2.635	16.8	20.0
55736 1987 QC_{1}			2 1.5 129°.55	2°.5/30.9 18		
1 2	9 25.76	+24 44.5	2.329	3.176	10.6	18.8
1 12	9 17.86	+25 6.6	2.273	3.193	7.4	18.6
1 22	9 8.22	+25 26.9	2.244	3.209	4.2	18.5
2 1	8 57.65	+25 41.1	2.246	3.224	2.5	18.4
2 11	8 47.19	+25 45.7	2.279	3.239	4.8	18.6
2 21	8 37.79	+25 39.5	2.342	3.253	8.0	18.8
3 2	8 30.24	+25 23.0	2.431	3.267	10.9	19.0
3 12	8 25.01	+24 57.5	2.543	3.279	13.3	19.2
31315 1998 FS_{132}			2 1.5 83°.39	0°.3/ 1.3 18		
1 2	9 19.74	+16 37.8	2.390	3.235	10.4	18.2
1 12	9 13.58	+17 7.9	2.340	3.260	7.2	18.0
1 22	9 5.95	+17 42.9	2.318	3.285	3.8	17.9
2 1	8 57.54	+18 18.9	2.325	3.310	0.3	17.6
2 11	8 49.22	+18 52.2	2.362	3.334	3.5	17.9
2 21	8 41.77	+19 19.7	2.430	3.358	6.8	18.2
3 2	8 35.86	+19 39.9	2.524	3.382	9.7	18.4
3 12	8 31.92	+19 51.8	2.642	3.406	12.2	18.6
510 Mabella			2 1.5 209°.01	4°.1/ 4.6 18		
1 2	9 19.53	+ 2 35.5	2.283	3.082	12.4	14.7
1 12	9 13.69	+ 2 41.0	2.195	3.077	9.6	14.5
1 22	9 6.16	+ 3 2.5	2.132	3.070	6.7	14.3
2 1	8 57.56	+ 3 38.9	2.098	3.063	4.4	14.2
2 11	8 48.76	+ 4 27.1	2.093	3.056	4.8	14.2
2 21	8 40.64	+ 5 22.7	2.117	3.048	7.5	14.3
3 2	8 33.99	+ 6 21.0	2.169	3.039	10.6	14.5
3 12	8 29.38	+ 7 17.2	2.244	3.030	13.4	14.7
457651 2009 CW_{23}			2 1.5 76°.27	1°.4/ 2.3 18		
1 2	9 25.01	+12 27.9	1.460	2.309	15.5	21.4
1 12	9 17.88	+12 41.6	1.415	2.333	11.1	21.2
1 22	9 8.38	+13 7.4	1.393	2.358	6.1	21.0
2 1	8 57.66	+13 40.7	1.398	2.382	1.6	20.7
2 11	8 47.15	+14 15.8	1.432	2.406	4.8	21.0
2 21	8 38.14	+14 47.7	1.492	2.430	9.4	21.3
3 2	8 31.62	+15 13.0	1.577	2.454	13.5	21.6
3 12	8 28.09	+15 29.6	1.683	2.477	16.8	21.9
309310 2007 RJ_{286}			2 1.5 156°.76	2°.2/31.3 18		
1 2	9 25.94	+21 42.1	1.778	2.632	12.9	21.5
1 12	9 18.52	+22 13.0	1.714	2.638	9.1	21.3
1 22	9 8.77	+22 45.7	1.676	2.644	4.9	21.0
2 1	8 57.69	+23 14.6	1.666	2.648	2.2	20.9
2 11	8 46.58	+23 34.3	1.686	2.653	5.4	21.1
2 21	8 36.71	+23 42.0	1.735	2.656	9.6	21.3
3 2	8 29.10	+23 37.3	1.808	2.660	13.3	21.6
3 12	8 24.35	+23 21.4	1.902	2.662	16.3	21.8

10728 Vladimirfock 2 1.5 175.°77 0.°4/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 25.39	+15 36.5	1.666	2.515	13.9	18.6
1 12	9 18.29	+16 22.3	1.597	2.518	9.9	18.4
1 22	9 8.74	+17 17.9	1.553	2.521	5.2	18.1
2 1	8 57.70	+18 17.2	1.537	2.522	0.4	17.7
2 11	8 46.47	+19 13.1	1.551	2.523	4.9	18.1
2 21	8 36.42	+20 0.0	1.593	2.523	9.6	18.4
3 2	8 28.64	+20 34.8	1.660	2.522	13.7	18.6
3 12	8 23.82	+20 56.4	1.748	2.520	17.1	18.8

208502 2001 WX_{36} 2 1.5 305.°94 11.°3/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.15	+51 37.3	2.215	3.018	12.6	19.9
1 12	9 20.13	+53 27.3	2.169	3.007	11.6	19.8
1 22	9 9.98	+54 57.7	2.147	2.995	11.3	19.7
2 1	8 57.76	+55 59.1	2.150	2.984	11.9	19.8
2 11	8 45.19	+56 26.1	2.175	2.973	13.1	19.8
2 21	8 34.05	+56 18.7	2.221	2.962	14.7	19.9
3 2	8 25.80	+55 41.0	2.285	2.951	16.3	20.0
3 12	8 21.24	+54 39.6	2.363	2.940	17.7	20.1

17244 2000 FF_{50} 2 1.5 353.°92 4.°6/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.95	+28 5.8	2.036	2.899	11.2	18.0
1 12	9 14.29	+29 19.2	1.974	2.898	8.1	17.9
1 22	9 6.56	+30 30.5	1.939	2.897	5.4	17.7
2 1	8 57.59	+31 32.4	1.932	2.897	4.8	17.6
2 11	8 48.49	+32 19.0	1.953	2.897	7.0	17.8
2 21	8 40.35	+32 46.8	2.002	2.896	10.0	18.0
3 2	8 34.13	+32 55.8	2.074	2.896	13.0	18.2
3 12	8 30.43	+32 47.8	2.167	2.896	15.5	18.3

244465 2002 RO_{184} 2 1.5 136.°05 0.°8/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.50	+13 59.4	2.491	3.326	10.3	20.6
1 12	9 14.14	+14 4.6	2.423	3.336	7.4	20.4
1 22	9 6.28	+14 15.9	2.381	3.345	4.0	20.2
2 1	8 57.58	+14 31.0	2.369	3.354	0.9	19.9
2 11	8 48.87	+14 47.0	2.389	3.362	3.3	20.1
2 21	8 40.94	+15 1.2	2.438	3.370	6.6	20.4
3 2	8 34.47	+15 12.0	2.515	3.378	9.6	20.6
3 12	8 29.93	+15 17.8	2.616	3.385	12.1	20.8

82318 2001 KL_{60} 2 1.5 200.°23 0.°5/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.93	+13 20.8	1.782	2.624	13.5	20.3
1 12	9 17.21	+13 59.0	1.704	2.621	9.6	20.1
1 22	9 8.18	+14 48.8	1.651	2.617	5.2	19.8
2 1	8 57.69	+15 45.2	1.627	2.612	0.7	19.5
2 11	8 46.94	+16 42.1	1.632	2.606	4.5	19.7
2 21	8 37.18	+17 33.7	1.666	2.599	9.0	20.0
3 2	8 29.48	+18 16.0	1.726	2.591	13.1	20.2
3 12	8 24.54	+18 47.0	1.807	2.583	16.5	20.4

365149 2009 DD_{70} 2 1.5 325.°05 0.°7/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.64	+14 1.6	1.365	2.227	15.6	21.2
1 12	9 15.38	+14 21.7	1.292	2.218	11.2	20.9
1 22	9 7.39	+14 54.7	1.241	2.209	6.1	20.6
2 1	8 57.65	+15 36.0	1.216	2.201	0.8	20.2
2 11	8 47.61	+16 18.7	1.218	2.193	5.2	20.5
2 21	8 38.78	+16 56.8	1.245	2.186	10.6	20.7
3 2	8 32.45	+17 25.7	1.295	2.179	15.3	21.0
3 12	8 29.39	+17 43.1	1.364	2.173	19.3	21.2

156571 2002 EX_{106} 2 1.5 90.°52 2.°5/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.43	+21 29.1	1.904	2.764	11.9	19.8
1 12	9 14.58	+22 30.8	1.844	2.771	8.3	19.6
1 22	9 6.69	+23 35.9	1.810	2.778	4.5	19.4
2 1	8 57.61	+24 37.7	1.805	2.785	2.6	19.3
2 11	8 48.45	+25 29.9	1.829	2.792	5.5	19.5
2 21	8 40.32	+26 8.3	1.881	2.799	9.2	19.7
3 2	8 34.12	+26 31.5	1.958	2.805	12.6	19.9
3 12	8 30.46	+26 39.9	2.055	2.812	15.4	20.2

166981 2003 OC_{19} 2 1.5 114.°22 4.°8/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.72	+ 2 25.6	1.752	2.563	15.1	20.6
1 12	9 15.44	+ 2 33.8	1.690	2.578	11.6	20.4
1 22	9 7.12	+ 3 2.2	1.651	2.592	7.9	20.2
2 1	8 57.64	+ 3 49.0	1.638	2.606	5.1	20.1
2 11	8 48.12	+ 4 49.3	1.654	2.620	5.6	20.1
2 21	8 39.68	+ 5 56.7	1.698	2.633	8.7	20.3
3 2	8 33.22	+ 7 4.8	1.769	2.646	12.2	20.6
3 12	8 29.30	+ 8 7.9	1.861	2.658	15.3	20.8

457046 2008 DD_{4} 2 1.5 38.°94 5.°2/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.51	+26 1.2	1.194	2.074	16.0	19.9
1 12	9 17.36	+27 8.1	1.162	2.095	11.4	19.7
1 22	9 8.28	+28 12.1	1.152	2.118	6.9	19.6
2 1	8 57.69	+29 2.5	1.167	2.141	5.3	19.5
2 11	8 47.41	+29 31.8	1.207	2.165	8.4	19.8
2 21	8 39.05	+29 37.7	1.272	2.190	12.6	20.1
3 2	8 33.73	+29 22.4	1.358	2.215	16.5	20.4
3 12	8 31.91	+28 49.8	1.461	2.241	19.6	20.7

518850 2010 DK_{19} 2 1.5 231.°57 1.°9/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 16.32	+ 8 8.6	2.450	3.275	10.8	21.4
1 12	9 11.35	+ 8 44.0	2.368	3.272	8.0	21.2
1 22	9 4.90	+ 9 31.7	2.312	3.269	4.8	21.0
2 1	8 57.53	+10 28.8	2.285	3.266	2.1	20.8
2 11	8 50.02	+11 31.3	2.289	3.262	3.4	20.9
2 21	8 43.14	+12 34.3	2.323	3.259	6.6	21.1
3 2	8 37.57	+13 33.9	2.384	3.256	9.7	21.3
3 12	8 33.84	+14 26.6	2.469	3.252	12.4	21.5

164595 4791 $P–L$ 2 1.5 146.°41 0.°5/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.38	+16 48.0	1.912	2.758	12.5	21.8
1 12	9 17.25	+17 22.6	1.849	2.769	8.8	21.5
1 22	9 8.06	+18 3.7	1.812	2.780	4.6	21.3
2 1	8 57.69	+18 46.2	1.804	2.789	0.5	21.0
2 11	8 47.29	+19 24.9	1.826	2.798	4.4	21.3
2 21	8 37.97	+19 55.9	1.878	2.806	8.5	21.6
3 2	8 30.66	+20 16.9	1.955	2.813	12.1	21.8
3 12	8 25.93	+20 27.5	2.054	2.820	15.1	22.1

467764 2009 VF_{5} 2 1.5 12.°10 2.°3/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.27	+10 34.6	1.594	2.442	14.5	20.7
1 12	9 13.96	+10 33.7	1.528	2.444	10.6	20.4
1 22	9 6.44	+10 46.1	1.485	2.447	6.2	20.2
2 1	8 57.61	+11 9.1	1.469	2.450	2.5	20.0
2 11	8 48.69	+11 38.4	1.480	2.454	4.7	20.1
2 21	8 40.87	+12 9.1	1.518	2.459	9.0	20.4
3 2	8 35.14	+12 37.1	1.580	2.464	13.0	20.6
3 12	8 32.13	+12 59.0	1.663	2.470	16.5	20.9

12610 Hãfez 2 1.5 167.°47 0.°8/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.29	+18 0.4	2.269	3.117	10.7	18.6
1 12	9 14.21	+18 31.7	2.198	3.120	7.5	18.4
1 22	9 6.42	+19 7.9	2.154	3.122	3.9	18.2
2 1	8 57.62	+19 44.7	2.140	3.124	0.8	18.0
2 11	8 48.73	+20 17.8	2.155	3.126	3.9	18.2
2 21	8 40.67	+20 44.2	2.201	3.127	7.5	18.4
3 2	8 34.21	+21 1.8	2.272	3.128	10.7	18.6
3 12	8 29.90	+21 10.0	2.366	3.129	13.4	18.8

203707 2002 PP_{94} 2 1.5 137.°86 0.°9/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.80	+17 46.3	2.570	3.416	9.7	20.6
1 12	9 13.01	+18 41.0	2.506	3.426	6.8	20.4
1 22	9 5.72	+19 40.6	2.469	3.437	3.5	20.2
2 1	8 57.58	+20 40.4	2.463	3.447	1.0	20.0
2 11	8 49.38	+21 36.0	2.488	3.456	3.7	20.2
2 21	8 41.89	+22 23.7	2.543	3.466	6.9	20.4
3 2	8 35.80	+23 1.3	2.626	3.474	9.7	20.6
3 12	8 31.58	+23 28.1	2.732	3.483	12.1	20.8

40353 1999 NB_{13} 2 1.5 122.°94 2.°2/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.59	+11 16.7	1.845	2.676	13.6	17.8
1 12	9 18.73	+10 59.4	1.784	2.692	9.9	17.5
1 22	9 8.80	+10 51.9	1.748	2.707	5.8	17.3
2 1	8 57.74	+10 52.3	1.741	2.722	2.4	17.1
2 11	8 46.75	+10 57.5	1.764	2.736	4.4	17.3
2 21	8 36.95	+11 4.7	1.816	2.749	8.4	17.6
3 2	8 29.26	+11 11.3	1.894	2.762	12.0	17.8
3 12	8 24.21	+11 15.1	1.995	2.775	15.1	18.1

165058 2000 EW_{100} 2 1.5 176.°70 2.°8/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.25	+25 6.5	2.379	3.232	10.1	20.4
1 12	9 14.87	+25 41.2	2.311	3.233	7.1	20.2
1 22	9 6.75	+26 14.9	2.270	3.234	4.2	20.0
2 1	8 57.64	+26 43.1	2.258	3.235	2.8	19.9
2 11	8 48.47	+27 1.7	2.277	3.235	5.0	20.1
2 21	8 40.16	+27 8.7	2.325	3.235	8.1	20.2
3 2	8 33.50	+27 3.6	2.399	3.235	11.0	20.4
3 12	8 29.01	+26 47.7	2.494	3.234	13.4	20.6

39183 2000 WE_{165} 2 1.5 319.°69 3.°2/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 16.43	+ 6 15.4	1.634	2.472	14.7	18.3
1 12	9 12.14	+ 6 48.9	1.546	2.454	11.1	18.0
1 22	9 5.61	+ 7 43.4	1.481	2.437	7.0	17.7
2 1	8 57.59	+ 8 56.0	1.442	2.420	3.4	17.4
2 11	8 49.19	+10 20.5	1.430	2.404	4.9	17.5
2 21	8 41.61	+11 48.9	1.446	2.389	9.2	17.7
3 2	8 35.95	+13 13.5	1.486	2.374	13.5	17.9
3 12	8 32.98	+14 28.1	1.548	2.359	17.3	18.1

155942 2001 QS_{54} 2 1.5 207.°22 0.°8/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.47	+16 5.3	1.748	2.599	13.3	20.8
1 12	9 16.97	+17 0.5	1.672	2.594	9.4	20.5
1 22	9 8.11	+18 5.9	1.620	2.588	4.9	20.2
2 1	8 57.72	+19 14.9	1.597	2.582	0.8	19.9
2 11	8 47.05	+20 20.4	1.604	2.575	4.9	20.2
2 21	8 37.38	+21 16.2	1.639	2.568	9.5	20.4
3 2	8 29.81	+21 58.7	1.700	2.559	13.6	20.7
3 12	8 25.08	+22 26.8	1.781	2.550	17.0	20.9

207346 2005 JV_{32} 2 1.5 70°.08 2°.7/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 18.27	+ 7 40.7	2.149	2.974	12.1	20.1
1 12	9 12.76	+ 7 49.1	2.085	2.988	9.0	19.9
1 22	9 5.63	+ 8 10.0	2.047	3.001	5.6	19.7
2 1	8 57.59	+ 8 41.2	2.037	3.015	2.8	19.5
2 11	8 49.55	+ 9 19.0	2.057	3.028	4.0	19.6
2 21	8 42.35	+ 9 59.4	2.105	3.042	7.2	19.9
3 2	8 36.72	+10 38.4	2.180	3.056	10.3	20.1
3 12	8 33.15	+11 12.9	2.279	3.069	13.1	20.3

111712 2002 CV_{29} 2 1.5 89°.51 4°.5/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.80	+25 5.4	1.472	2.340	14.3	19.9
1 12	9 18.09	+26 20.9	1.424	2.352	10.1	19.7
1 22	9 8.69	+27 36.1	1.400	2.365	6.1	19.5
2 1	8 57.75	+28 41.2	1.403	2.377	4.7	19.4
2 11	8 46.83	+29 28.2	1.434	2.390	7.6	19.6
2 21	8 37.45	+29 53.5	1.491	2.402	11.7	19.9
3 2	8 30.73	+29 57.4	1.571	2.414	15.4	20.1
3 12	8 27.29	+29 43.1	1.669	2.426	18.4	20.4

458164 2010 KF_{110} 2 1.5 219°.54 5°.5/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.79	+ 1 23.0	2.138	2.928	13.4	21.1
1 12	9 16.84	+ 0 46.6	2.046	2.918	10.7	20.9
1 22	9 7.91	+ 0 25.6	1.979	2.908	7.8	20.7
2 1	8 57.72	+ 0 20.7	1.940	2.896	5.7	20.5
2 11	8 47.25	+ 0 31.0	1.930	2.884	6.1	20.5
2 21	8 37.52	+ 0 53.3	1.950	2.871	8.7	20.6
3 2	8 29.43	+ 1 23.7	1.996	2.858	11.8	20.8
3 12	8 23.66	+ 1 57.3	2.065	2.844	14.6	21.0

369285 2009 RA_{28} 2 1.5 100°.79 3°.3/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.04	+ 5 58.0	1.986	2.806	13.2	21.2
1 12	9 14.10	+ 6 5.8	1.922	2.819	9.9	21.0
1 22	9 6.38	+ 6 28.6	1.882	2.832	6.4	20.8
2 1	8 57.64	+ 7 4.1	1.871	2.845	3.6	20.7
2 11	8 48.89	+ 7 48.4	1.888	2.858	4.5	20.8
2 21	8 41.06	+ 8 36.7	1.935	2.871	7.8	21.0
3 2	8 34.96	+ 9 24.3	2.007	2.883	11.1	21.2
3 12	8 31.12	+10 7.3	2.103	2.895	14.0	21.4

133729 2003 UC_{273} 2 1.5 187°.78 0°.9/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.93	+18 20.6	2.120	2.972	11.2	20.3
1 12	9 14.08	+18 50.5	2.048	2.972	7.9	20.1
1 22	9 6.41	+19 25.3	2.003	2.972	4.1	19.8
2 1	8 57.65	+20 0.7	1.987	2.972	0.9	19.6
2 11	8 48.79	+20 32.2	2.001	2.971	4.2	19.8
2 21	8 40.80	+20 56.4	2.043	2.971	7.9	20.1
3 2	8 34.51	+21 11.3	2.111	2.970	11.3	20.3
3 12	8 30.48	+21 16.5	2.202	2.970	14.1	20.5

284392 2006 TE_{37} 2 1.5 164°.67 0°.2/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 17.82	+16 36.7	3.009	3.848	8.6	21.9
1 12	9 12.16	+17 2.6	2.936	3.853	6.0	21.7
1 22	9 5.24	+17 32.7	2.891	3.857	3.2	21.6
2 1	8 57.59	+18 4.2	2.876	3.861	0.2	21.3
2 11	8 49.90	+18 34.1	2.893	3.865	3.0	21.5
2 21	8 42.79	+18 59.9	2.941	3.868	5.8	21.7
3 2	8 36.85	+19 19.9	3.016	3.870	8.4	21.9
3 12	8 32.51	+19 33.2	3.116	3.872	10.6	22.1

320494 2007 WN_{16} 2 1.5 349°.82 2°.3/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 17.66	+21 12.0	1.941	2.805	11.6	20.4
1 12	9 12.69	+22 5.5	1.872	2.801	8.1	20.2
1 22	9 5.75	+23 3.0	1.828	2.797	4.4	19.9
2 1	8 57.62	+23 58.6	1.813	2.794	2.3	19.8
2 11	8 49.34	+24 46.3	1.827	2.791	5.2	20.0
2 21	8 41.97	+25 21.9	1.868	2.789	9.0	20.2
3 2	8 36.40	+25 43.4	1.933	2.788	12.4	20.4
3 12	8 33.25	+25 50.9	2.020	2.787	15.3	20.6

64330 2001 UM_{51} 2 1.5 97°.09 7°.0/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.25	− 4 8.5	1.882	2.662	15.4	19.4
1 12	9 13.03	− 4 11.8	1.808	2.666	12.6	19.3
1 22	9 5.90	− 3 50.7	1.756	2.670	9.6	19.1
2 1	8 57.63	− 3 5.2	1.728	2.674	7.4	19.0
2 11	8 49.22	− 1 58.7	1.728	2.677	7.2	19.0
2 21	8 41.66	− 0 37.3	1.756	2.681	9.2	19.1
3 2	8 35.84	+ 0 51.5	1.809	2.685	12.1	19.3
3 12	8 32.36	+ 2 20.0	1.885	2.688	14.9	19.5

282847 2006 VJ_{30} 2 1.5 359°.44 2°.3/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.14	+11 3.6	1.460	2.313	15.3	20.2
1 12	9 14.79	+11 2.3	1.392	2.311	11.2	19.9
1 22	9 6.99	+11 15.0	1.347	2.310	6.5	19.7
2 1	8 57.69	+11 38.7	1.327	2.310	2.5	19.4
2 11	8 48.25	+12 8.7	1.335	2.310	4.9	19.6
2 21	8 39.98	+12 39.8	1.368	2.310	9.7	19.8
3 2	8 34.02	+13 7.4	1.426	2.312	14.0	20.1
3 12	8 31.02	+13 28.1	1.503	2.314	17.7	20.3

327320 2005 UU_{43} 2 1.5 156°.48 6°.4/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 19.83	− 1 30.4	1.968	2.756	14.5	20.5
1 12	9 14.07	− 1 56.5	1.892	2.758	11.7	20.3
1 22	9 6.44	− 2 2.8	1.838	2.759	8.8	20.1
2 1	8 57.67	− 1 48.4	1.811	2.761	6.7	20.0
2 11	8 48.75	− 1 15.7	1.812	2.762	6.8	20.0
2 21	8 40.66	− 0 28.8	1.840	2.763	9.0	20.1
3 2	8 34.28	+ 0 26.4	1.894	2.765	11.9	20.3
3 12	8 30.20	+ 1 24.0	1.970	2.765	14.6	20.5

155678 2000 JK_{2} 2 1.5 170°.29 7°.0/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.32	− 7 36.3	2.145	2.891	14.8	20.4
1 12	9 15.02	− 7 13.1	2.063	2.897	12.3	20.2
1 22	9 6.91	− 6 24.1	2.003	2.901	9.6	20.1
2 1	8 57.70	− 5 9.7	1.970	2.905	7.5	19.9
2 11	8 48.33	− 3 33.7	1.966	2.907	7.1	19.9
2 21	8 39.74	− 1 43.2	1.992	2.909	8.8	20.0
3 2	8 32.78	+ 0 13.9	2.045	2.910	11.4	20.2
3 12	8 28.03	+ 2 9.4	2.124	2.910	14.0	20.4

148597 2001 RL_{33} 2 1.5 55°.00 1°.3/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.49	+21 43.8	1.502	2.359	14.7	19.4
1 12	9 21.01	+21 21.6	1.453	2.378	10.3	19.2
1 22	9 10.04	+20 59.2	1.429	2.397	5.4	18.9
2 1	8 57.85	+20 33.0	1.433	2.417	1.3	18.7
2 11	8 45.99	+20 0.7	1.465	2.437	5.2	19.0
2 21	8 35.87	+19 22.1	1.526	2.457	9.8	19.3
3 2	8 28.46	+18 38.4	1.611	2.477	13.8	19.6
3 12	8 24.25	+17 51.1	1.716	2.497	17.1	19.9

29013 4291 P–L 2 1.5 158°.99 4°.2/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.07	+ 3 5.5	2.054	2.861	13.3	20.1
1 12	9 14.17	+ 3 12.7	1.979	2.865	10.3	19.9
1 22	9 6.46	+ 3 37.0	1.928	2.870	7.0	19.7
2 1	8 57.68	+ 4 17.0	1.906	2.874	4.5	19.6
2 11	8 48.77	+ 5 8.7	1.912	2.877	5.0	19.6
2 21	8 40.70	+ 6 7.2	1.947	2.880	7.9	19.8
3 2	8 34.28	+ 7 7.2	2.009	2.883	11.1	20.0
3 12	8 30.08	+ 8 3.8	2.094	2.885	14.0	20.2

374588 2006 DY_{54} 2 1.5 85°.25 3°.5/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.21	+26 15.1	1.982	2.840	11.6	20.9
1 12	9 16.47	+26 48.6	1.923	2.847	8.3	20.7
1 22	9 7.68	+27 19.7	1.890	2.854	4.9	20.5
2 1	8 57.74	+27 42.9	1.886	2.861	3.5	20.4
2 11	8 47.83	+27 53.7	1.911	2.868	5.9	20.6
2 21	8 39.07	+27 50.4	1.964	2.875	9.3	20.8
3 2	8 32.33	+27 33.5	2.042	2.882	12.5	21.0
3 12	8 28.18	+27 4.8	2.141	2.889	15.1	21.2

235579 2004 MR_{2} 2 1.5 141°.99 6°.6/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.73	− 4 53.5	2.669	3.411	12.3	20.6
1 12	9 17.04	− 5 51.2	2.596	3.424	10.2	20.5
1 22	9 7.83	− 6 32.9	2.548	3.438	8.1	20.4
2 1	8 57.76	− 6 57.1	2.528	3.450	6.8	20.3
2 11	8 47.62	− 7 4.0	2.539	3.462	6.8	20.3
2 21	8 38.20	− 6 55.8	2.580	3.473	8.1	20.4
3 2	8 30.21	− 6 35.9	2.648	3.483	10.1	20.6
3 12	8 24.12	− 6 8.8	2.740	3.493	12.0	20.7

277368 2005 TJ_{193} 2 1.5 161°.65 2°.9/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.31	+ 6 50.7	1.818	2.640	14.1	21.6
1 12	9 16.63	+ 7 17.9	1.746	2.648	10.5	21.4
1 22	9 7.83	+ 8 1.8	1.700	2.654	6.5	21.2
2 1	8 57.76	+ 8 59.0	1.681	2.660	3.1	21.0
2 11	8 47.56	+10 4.0	1.692	2.664	4.6	21.1
2 21	8 38.35	+11 10.6	1.732	2.668	8.5	21.3
3 2	8 31.12	+12 13.0	1.799	2.671	12.3	21.5
3 12	8 26.48	+13 7.3	1.887	2.674	15.5	21.8

520495 2014 KT_{112} 2 1.5 208°.97 2°.9/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.26	+ 8 23.3	1.852	2.681	13.6	21.3
1 12	9 15.94	+ 8 25.0	1.772	2.677	10.1	21.0
1 22	9 7.50	+ 8 40.5	1.716	2.672	6.3	20.8
2 1	8 57.75	+ 9 7.7	1.689	2.668	3.1	20.6
2 11	8 47.78	+ 9 42.7	1.690	2.662	4.6	20.7
2 21	8 38.73	+10 21.0	1.720	2.657	8.5	20.9
3 2	8 31.57	+10 58.1	1.776	2.651	12.3	21.1
3 12	8 26.97	+11 30.4	1.854	2.644	15.6	21.3

411367 2010 UP_{107} 2 1.5 124°.54 2°.1/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.00	+21 11.7	2.003	2.856	11.7	21.7
1 12	9 16.26	+22 2.4	1.946	2.870	8.2	21.5
1 22	9 7.55	+22 55.8	1.916	2.884	4.4	21.3
2 1	8 57.74	+23 45.7	1.916	2.897	2.2	21.2
2 11	8 47.94	+24 26.9	1.945	2.909	5.0	21.4
2 21	8 39.19	+24 55.8	2.003	2.921	8.7	21.6
3 2	8 32.38	+25 11.5	2.086	2.933	12.0	21.9
3 12	8 28.04	+25 14.5	2.191	2.944	14.7	22.1

522408 2016 CS_{310} 2 1.5 278°.19 3°.6/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 25.76	+26 8.0	1.856	2.713	12.3	22.4
1 12	9 18.67	+26 33.0	1.768	2.692	8.9	22.2
1 22	9 9.07	+26 56.0	1.706	2.670	5.3	21.9
2 1	8 57.83	+27 11.0	1.673	2.649	3.6	21.8
2 11	8 46.27	+27 12.6	1.668	2.627	6.4	21.9
2 21	8 35.75	+26 58.6	1.691	2.605	10.3	22.1
3 2	8 27.44	+26 29.6	1.739	2.583	14.1	22.3
3 12	8 22.09	+25 47.9	1.807	2.560	17.3	22.4

246906 1998 HL_{10} 2 1.5 19°.60 10°.8/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.02	+46 15.4	1.801	2.632	13.9	20.1
1 12	9 20.43	+47 21.6	1.764	2.639	12.0	20.0
1 22	9 9.92	+48 7.0	1.750	2.646	10.9	19.9
2 1	8 57.86	+48 22.7	1.761	2.654	11.0	19.9
2 11	8 46.06	+48 5.0	1.795	2.663	12.3	20.0
2 21	8 36.16	+47 15.7	1.853	2.672	14.3	20.2
3 2	8 29.29	+46 0.7	1.930	2.682	16.3	20.3
3 12	8 25.96	+44 27.3	2.025	2.693	18.1	20.5

419276 2009 WW_{10} 2 1.5 1°.57 4°.6/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.06	+27 0.4	1.446	2.319	14.2	20.3
1 12	9 16.29	+27 34.6	1.387	2.317	10.2	20.1
1 22	9 7.81	+28 5.7	1.352	2.317	6.3	19.9
2 1	8 57.76	+28 26.2	1.342	2.317	4.7	19.8
2 11	8 47.68	+28 30.1	1.359	2.318	7.5	19.9
2 21	8 39.07	+28 15.5	1.401	2.320	11.6	20.2
3 2	8 33.09	+27 43.7	1.466	2.323	15.5	20.4
3 12	8 30.35	+26 57.8	1.549	2.327	18.7	20.6

17725 1997 YQ_{7} 2 1.5 50°.06 3°.5/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.79	+25 45.3	1.544	2.408	14.0	16.9
1 12	9 19.22	+25 56.9	1.496	2.423	9.9	16.6
1 22	9 9.16	+26 5.2	1.473	2.439	5.7	16.4
2 1	8 57.83	+26 4.3	1.476	2.455	3.5	16.3
2 11	8 46.74	+25 50.4	1.508	2.471	6.4	16.5
2 21	8 37.28	+25 22.8	1.566	2.488	10.4	16.8
3 2	8 30.44	+24 43.5	1.649	2.504	14.1	17.1
3 12	8 26.74	+23 55.2	1.751	2.522	17.2	17.3

205269 2000 SN_{56} 2 1.5 93°.29 0°.9/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.35	+17 44.7	1.555	2.411	14.3	20.7
1 12	9 18.18	+18 17.1	1.505	2.430	10.0	20.5
1 22	9 8.63	+18 55.9	1.480	2.449	5.2	20.2
2 1	8 57.80	+19 34.9	1.482	2.467	0.9	20.0
2 11	8 47.10	+20 8.1	1.514	2.485	5.1	20.3
2 21	8 37.82	+20 31.7	1.572	2.503	9.6	20.6
3 2	8 30.99	+20 43.8	1.655	2.520	13.6	20.9
3 12	8 27.14	+20 44.7	1.759	2.537	16.8	21.1

41638 2000 SS_{225} 2 1.5 111°.38 0°.6/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.89	+12 15.7	1.626	2.473	14.3	19.3
1 12	9 15.79	+13 9.1	1.565	2.485	10.2	19.1
1 22	9 7.43	+14 16.1	1.530	2.496	5.5	18.9
2 1	8 57.75	+15 30.5	1.522	2.507	0.8	18.5
2 11	8 48.00	+16 44.7	1.543	2.517	4.5	18.8
2 21	8 39.40	+17 52.1	1.592	2.528	9.1	19.1
3 2	8 32.98	+18 47.8	1.666	2.538	13.2	19.4
3 12	8 29.33	+19 29.7	1.761	2.547	16.5	19.6

250505 2004 GW_{40} 2 1.5 92°.19 5°.0/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.48	+29 11.9	1.743	2.603	12.8	20.0
1 12	9 18.31	+30 0.8	1.690	2.612	9.3	19.8
1 22	9 8.74	+30 44.5	1.663	2.621	6.1	19.7
2 1	8 57.82	+31 15.5	1.663	2.630	5.2	19.6
2 11	8 46.96	+31 28.5	1.691	2.639	7.5	19.8
2 21	8 37.49	+31 22.0	1.746	2.647	10.9	20.0
3 2	8 30.45	+30 57.5	1.825	2.656	14.1	20.2
3 12	8 26.40	+30 18.8	1.923	2.664	16.8	20.4

409511 2005 TC_{4} 2 1.5 94°.08 6°.6/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.41	+34 53.4	2.014	2.863	11.9	21.1
1 12	9 19.41	+36 7.9	1.982	2.889	9.1	21.0
1 22	9 9.19	+37 11.7	1.976	2.916	7.0	20.9
2 1	8 57.84	+37 57.1	1.999	2.942	6.8	21.0
2 11	8 46.69	+38 19.7	2.050	2.967	8.5	21.1
2 21	8 36.97	+38 19.0	2.127	2.992	10.9	21.3
3 2	8 29.60	+37 57.9	2.228	3.016	13.3	21.5
3 12	8 25.08	+37 20.9	2.349	3.040	15.4	21.7

383380 2006 SF_{316} 2 1.5 164°.20 1°.1/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 17.16	+11 20.4	2.832	3.661	9.4	22.0
1 12	9 11.77	+11 45.4	2.756	3.665	6.8	21.8
1 22	9 5.08	+12 18.5	2.707	3.668	3.9	21.6
2 1	8 57.64	+12 56.9	2.689	3.672	1.2	21.4
2 11	8 50.11	+13 37.5	2.701	3.674	2.9	21.6
2 21	8 43.18	+14 17.2	2.744	3.677	5.9	21.8
3 2	8 37.44	+14 53.2	2.815	3.679	8.6	22.0
3 12	8 33.33	+15 23.7	2.910	3.681	11.0	22.1

474098 2016 LE_{7} 2 1.5 210°.06 1°.4/31.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 17.79	+19 31.7	2.800	3.647	9.0	22.2
1 12	9 12.34	+20 29.1	2.720	3.642	6.2	22.1
1 22	9 5.44	+21 30.5	2.668	3.636	3.3	21.9
2 1	8 57.66	+22 31.8	2.647	3.630	1.4	21.7
2 11	8 49.71	+23 28.3	2.658	3.623	3.8	21.9
2 21	8 42.33	+24 16.7	2.699	3.616	6.8	22.1
3 2	8 36.20	+24 54.8	2.767	3.608	9.5	22.2
3 12	8 31.81	+25 21.8	2.858	3.601	11.8	22.4

489912 2008 OY_{23} 2 1.5 163°.82 1°.6/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.85	+ 9 7.8	2.728	3.548	10.0	22.2
1 12	9 12.98	+ 9 39.4	2.652	3.554	7.3	22.0
1 22	9 5.73	+10 21.0	2.603	3.560	4.3	21.8
2 1	8 57.67	+11 9.7	2.585	3.565	1.7	21.6
2 11	8 49.53	+12 2.0	2.597	3.570	3.1	21.7
2 21	8 42.01	+12 54.1	2.641	3.574	6.1	22.0
3 2	8 35.75	+13 42.7	2.714	3.578	8.9	22.1
3 12	8 31.22	+14 25.2	2.810	3.580	11.4	22.3

372432 2009 SQ_{46} 2 1.5 205°.24 2°.3/30.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.84	+23 1.0	2.286	3.137	10.6	22.4
1 12	9 16.11	+23 36.7	2.210	3.132	7.4	22.2
1 22	9 7.50	+24 13.3	2.161	3.127	4.1	22.0
2 1	8 57.77	+24 46.0	2.141	3.121	2.3	21.9
2 11	8 47.89	+25 10.4	2.153	3.115	4.9	22.0
2 21	8 38.87	+25 23.7	2.193	3.108	8.2	22.2
3 2	8 31.55	+25 25.3	2.260	3.101	11.4	22.4
3 12	8 26.53	+25 15.7	2.349	3.093	14.0	22.6

159781 2003 MZ_{7} 2 1.5 83°.61 6°.2/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.38	− 0 44.7	1.738	2.528	16.0	19.5
1 12	9 17.79	− 0 57.8	1.695	2.565	12.6	19.3
1 22	9 8.28	− 0 48.6	1.675	2.602	9.1	19.2
2 1	8 57.80	− 0 18.3	1.682	2.637	6.5	19.1
2 11	8 47.55	+ 0 28.8	1.717	2.672	6.6	19.2
2 21	8 38.59	+ 1 26.6	1.780	2.706	9.1	19.4
3 2	8 31.76	+ 2 28.4	1.869	2.739	12.1	19.7
3 12	8 27.52	+ 3 28.3	1.981	2.771	14.8	19.9

295495 2008 RU_{32} 2 1.5 212°.20 1°.1/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.87	+19 6.6	2.356	3.204	10.4	21.6
1 12	9 14.67	+19 38.2	2.277	3.198	7.3	21.3
1 22	9 6.73	+20 13.8	2.224	3.192	3.8	21.1
2 1	8 57.73	+20 49.2	2.202	3.186	1.1	20.9
2 11	8 48.58	+21 20.2	2.210	3.179	4.0	21.1
2 21	8 40.19	+21 43.8	2.247	3.171	7.6	21.3
3 2	8 33.36	+21 58.3	2.312	3.163	10.7	21.5
3 12	8 28.64	+22 3.1	2.398	3.155	13.4	21.7

329619 2003 OS_{22} 2 1.5 79°.09 1°.6/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.71	+ 9 13.2	2.327	3.148	11.5	20.7
1 12	9 14.91	+ 9 51.2	2.286	3.190	8.2	20.6
1 22	9 6.67	+10 39.6	2.272	3.230	4.8	20.4
2 1	8 57.72	+11 34.4	2.288	3.270	1.8	20.3
2 11	8 48.95	+12 31.0	2.336	3.309	3.4	20.5
2 21	8 41.12	+13 25.3	2.414	3.348	6.6	20.7
3 2	8 34.88	+14 14.0	2.521	3.385	9.5	21.0
3 12	8 30.64	+14 54.9	2.651	3.422	11.9	21.2

15996 1998 YC_{12} 2 1.5 265°.09 0°.2/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.58	+17 10.4	1.595	2.449	14.2	18.1
1 12	9 18.75	+17 16.6	1.509	2.432	10.2	17.8
1 22	9 9.22	+17 29.5	1.447	2.415	5.4	17.5
2 1	8 57.88	+17 44.7	1.412	2.397	0.3	17.0
2 11	8 46.15	+17 57.4	1.405	2.379	5.1	17.3
2 21	8 35.48	+18 3.7	1.427	2.360	10.2	17.6
3 2	8 27.17	+18 1.8	1.472	2.342	14.7	17.8
3 12	8 22.03	+17 51.1	1.538	2.323	18.5	18.0

202136 2004 TA_{211} 2 1.5 224°.06 2°.8/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.97	+ 7 29.6	1.982	2.810	12.9	20.4
1 12	9 13.50	+ 7 41.4	1.905	2.809	9.6	20.2
1 22	9 6.18	+ 8 7.4	1.853	2.808	6.0	20.0
2 1	8 57.72	+ 8 45.4	1.829	2.807	3.0	19.8
2 11	8 49.12	+ 9 31.3	1.834	2.806	4.3	19.8
2 21	8 41.34	+10 20.2	1.867	2.805	7.9	20.1
3 2	8 35.25	+11 7.5	1.926	2.803	11.4	20.3
3 12	8 31.43	+11 49.4	2.008	2.802	14.5	20.5

368815 2006 AF_{79} 2 1.5 57°.16 1°.0/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.49	+13 16.7	1.870	2.716	12.8	20.8
1 12	9 14.61	+13 28.0	1.802	2.720	9.2	20.6
1 22	9 6.76	+13 48.8	1.759	2.724	5.1	20.3
2 1	8 57.76	+14 15.6	1.743	2.728	1.2	20.1
2 11	8 48.68	+14 44.2	1.757	2.732	4.0	20.3
2 21	8 40.57	+15 10.7	1.799	2.736	8.2	20.5
3 2	8 34.35	+15 32.0	1.867	2.740	11.9	20.8
3 12	8 30.57	+15 46.3	1.956	2.745	15.0	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
500485 2012 TK_{254}			2 1.5 281°.29	0°.3/ 1.7 17		
	h m	° ′			°	m
1 2	9 20.14	+15 59.4	2.288	3.132	10.8	20.7
1 12	9 14.17	+16 1.2	2.205	3.123	7.7	20.4
1 22	9 6.48	+16 8.2	2.148	3.114	4.1	20.2
2 1	8 57.75	+16 17.9	2.121	3.106	0.4	19.9
2 11	8 48.87	+16 27.1	2.124	3.097	3.6	20.1
2 21	8 40.75	+16 33.5	2.156	3.089	7.3	20.3
3 2	8 34.19	+16 35.2	2.215	3.080	10.6	20.5
3 12	8 29.73	+16 31.4	2.297	3.071	13.4	20.7
422960 2003 BP_{9}			2 1.5 301°.10	0°.3/ 1.8 16		
1 2	9 17.02	+11 10.0	2.161	3.001	11.6	19.8
1 12	9 12.25	+12 38.0	2.063	2.979	8.3	19.5
1 22	9 5.62	+14 22.1	1.992	2.958	4.5	19.2
2 1	8 57.71	+16 16.6	1.951	2.936	0.4	18.9
2 11	8 49.41	+18 13.9	1.942	2.915	3.9	19.1
2 21	8 41.67	+20 6.2	1.963	2.894	8.0	19.3
3 2	8 35.39	+21 47.0	2.011	2.873	11.7	19.5
3 12	8 31.28	+23 12.4	2.083	2.852	14.8	19.7
345573 2006 RS_{112}			2 1.5 283°.58	3°.2/30.2 17		
1 2	9 20.22	+25 58.8	2.305	3.162	10.3	20.8
1 12	9 14.31	+26 37.3	2.231	3.154	7.3	20.6
1 22	9 6.58	+27 14.8	2.184	3.147	4.4	20.4
2 1	8 57.76	+27 46.1	2.165	3.139	3.2	20.3
2 11	8 48.81	+28 6.9	2.177	3.132	5.4	20.4
2 21	8 40.70	+28 15.0	2.216	3.125	8.5	20.6
3 2	8 34.25	+28 9.8	2.281	3.117	11.5	20.8
3 12	8 30.03	+27 52.5	2.368	3.110	14.0	20.9
421025 2013 PR_{63}			2 1.5 185°.22	2°.4/ 3.1 18		
1 2	9 20.50	+ 9 3.2	2.003	2.833	12.7	21.4
1 12	9 14.56	+ 9 10.6	1.927	2.833	9.4	21.2
1 22	9 6.74	+ 9 30.5	1.876	2.833	5.7	21.0
2 1	8 57.78	+10 0.5	1.853	2.832	2.6	20.8
2 11	8 48.68	+10 36.7	1.859	2.832	4.1	20.9
2 21	8 40.43	+11 14.8	1.894	2.831	7.8	21.1
3 2	8 33.91	+11 51.0	1.956	2.830	11.4	21.3
3 12	8 29.70	+12 22.0	2.040	2.828	14.5	21.5
118353 1999 CZ_{104}			2 1.6 51°.99	3°.6/ 3.7 18		
1 2	9 22.03	+ 6 8.4	1.136	1.986	18.9	18.4
1 12	9 16.24	+ 6 44.5	1.098	2.012	14.0	18.2
1 22	9 7.75	+ 7 45.3	1.080	2.039	8.5	18.0
2 1	8 57.83	+ 9 4.3	1.086	2.066	4.0	17.8
2 11	8 48.13	+10 31.7	1.118	2.093	5.7	18.0
2 21	8 40.14	+11 57.2	1.176	2.121	10.5	18.4
3 2	8 34.95	+13 12.6	1.256	2.149	15.0	18.7
3 12	8 33.06	+14 13.4	1.356	2.177	18.7	19.0
381316 2007 VU_{177}			2 1.6 84°.90	0°.1/ 1.5 18		
1 2	9 20.56	+16 9.3	2.298	3.141	10.8	21.7
1 12	9 14.26	+16 35.7	2.247	3.166	7.5	21.5
1 22	9 6.42	+17 7.6	2.223	3.190	3.9	21.3
2 1	8 57.77	+17 40.9	2.229	3.214	0.2	21.0
2 11	8 49.21	+18 12.1	2.266	3.238	3.5	21.4
2 21	8 41.56	+18 37.9	2.331	3.261	7.0	21.6
3 2	8 35.51	+18 56.7	2.424	3.284	10.0	21.9
3 12	8 31.51	+19 7.5	2.540	3.307	12.5	22.1
18633 1998 EU			2 1.6 244°.39	3°.0/ 4.0 18		
1 2	9 16.69	+ 5 37.5	2.356	3.173	11.5	19.3
1 12	9 11.69	+ 5 55.0	2.277	3.172	8.7	19.1
1 22	9 5.16	+ 6 26.3	2.222	3.171	5.6	18.9
2 1	8 57.71	+ 7 9.3	2.196	3.170	3.2	18.7
2 11	8 50.14	+ 8 0.5	2.200	3.170	3.9	18.8
2 21	8 43.23	+ 8 55.4	2.233	3.169	6.9	19.0
3 2	8 37.69	+ 9 49.9	2.293	3.168	9.9	19.1
3 12	8 34.04	+10 40.0	2.377	3.167	12.6	19.3
5420 Jancis			2 1.6 128°.31	2°.8/30.4 18		
1 2	9 22.54	+23 31.2	2.246	3.098	10.7	18.5
1 12	9 15.84	+24 32.3	2.191	3.114	7.5	18.3
1 22	9 7.34	+25 33.9	2.164	3.129	4.3	18.1
2 1	8 57.83	+26 30.0	2.167	3.143	2.9	18.1
2 11	8 48.31	+27 15.6	2.200	3.157	5.2	18.2
2 21	8 39.74	+27 47.5	2.263	3.171	8.4	18.5
3 2	8 32.93	+28 5.1	2.351	3.183	11.3	18.7
3 12	8 28.40	+28 9.2	2.461	3.196	13.7	18.9
246280 2007 TU_{64}			2 1.6 34°.68	2°.1/ 3.1 18		
1 2	9 17.53	+ 9 26.5	1.970	2.807	12.6	20.5
1 12	9 12.44	+ 9 43.6	1.904	2.815	9.2	20.3
1 22	9 5.60	+10 13.3	1.864	2.823	5.5	20.1
2 1	8 57.74	+10 52.6	1.851	2.832	2.3	19.9
2 11	8 49.83	+11 37.1	1.867	2.841	3.9	20.0
2 21	8 42.80	+12 22.2	1.912	2.851	7.6	20.2
3 2	8 37.45	+13 3.8	1.982	2.861	11.1	20.5
3 12	8 34.31	+13 38.7	2.075	2.871	14.0	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
306661 2000 SF_{229}			2 1.6 130°.47	1°.1/ 2.3 18		
	h m	° ′			°	m
1 2	9 24.08	+12 13.2	1.886	2.723	13.1	22.0
1 12	9 17.05	+12 39.0	1.826	2.739	9.4	21.8
1 22	9 8.03	+13 15.3	1.790	2.754	5.2	21.6
2 1	8 57.88	+13 58.0	1.784	2.768	1.2	21.3
2 11	8 47.73	+14 41.9	1.808	2.782	4.1	21.6
2 21	8 38.67	+15 22.5	1.861	2.795	8.2	21.9
3 2	8 31.58	+15 56.5	1.940	2.807	11.8	22.1
3 12	8 27.02	+16 22.0	2.042	2.819	14.8	22.3
197295 2003 WK_{123}			2 1.6 88°.58	5°.1/28.7 18		
1 2	9 22.14	+30 45.2	2.116	2.973	11.0	20.0
1 12	9 15.75	+31 50.2	2.065	2.983	8.1	19.8
1 22	9 7.36	+32 49.8	2.041	2.994	5.7	19.7
2 1	8 57.84	+33 37.2	2.046	3.004	5.3	19.7
2 11	8 48.32	+34 7.5	2.079	3.014	7.2	19.8
2 21	8 39.88	+34 18.7	2.139	3.025	9.9	20.0
3 2	8 33.40	+34 11.7	2.223	3.035	12.6	20.2
3 12	8 29.44	+33 49.2	2.328	3.045	14.8	20.4
136380 2004 FR_{36}			2 1.6 275°.82	1°.7/ 2.9 18		
1 2	9 17.05	+ 9 46.8	2.330	3.161	11.1	19.6
1 12	9 12.00	+10 10.7	2.247	3.156	8.1	19.4
1 22	9 5.36	+10 45.7	2.191	3.150	4.8	19.2
2 1	8 57.74	+11 29.2	2.163	3.145	1.9	19.0
2 11	8 49.97	+12 17.2	2.165	3.139	3.5	19.1
2 21	8 42.86	+13 5.5	2.197	3.134	6.9	19.3
3 2	8 37.16	+13 50.5	2.256	3.128	10.1	19.5
3 12	8 33.39	+14 29.2	2.337	3.123	12.9	19.7
489661 2007 UF_{98}			2 1.6 90°.23	0°.1/ 1.5 18		
1 2	9 19.43	+15 52.6	2.377	3.220	10.5	22.5
1 12	9 13.49	+16 20.3	2.321	3.239	7.3	22.3
1 22	9 6.04	+16 53.6	2.291	3.258	3.8	22.1
2 1	8 57.77	+17 28.8	2.291	3.276	0.2	21.8
2 11	8 49.54	+18 2.3	2.322	3.295	3.4	22.2
2 21	8 42.14	+18 30.8	2.382	3.313	6.8	22.4
3 2	8 36.26	+18 52.4	2.470	3.330	9.8	22.6
3 12	8 32.34	+19 6.1	2.580	3.348	12.3	22.8
33366 1999 BF_{7}			2 1.6 287°.05	3°.1/30.7 18		
1 2	9 22.27	+20 56.5	1.438	2.307	14.5	17.6
1 12	9 16.62	+22 6.8	1.368	2.299	10.2	17.3
1 22	9 8.17	+23 24.3	1.323	2.292	5.6	17.1
2 1	8 57.90	+24 39.9	1.304	2.284	3.1	16.9
2 11	8 47.30	+25 43.9	1.312	2.277	6.9	17.1
2 21	8 37.94	+26 30.2	1.346	2.269	11.6	17.3
3 2	8 31.11	+26 56.1	1.403	2.262	15.9	17.6
3 12	8 27.63	+27 2.6	1.478	2.255	19.5	17.8
237707 2001 UT_{136}			2 1.6 188°.87	0°.9/ 1.0 18		
1 2	9 25.79	+18 16.5	1.757	2.608	13.2	21.2
1 12	9 18.57	+18 43.1	1.685	2.607	9.3	20.9
1 22	9 8.98	+19 15.4	1.638	2.606	4.9	20.7
2 1	8 57.94	+19 48.1	1.620	2.605	0.9	20.4
2 11	8 46.75	+20 15.7	1.631	2.602	4.9	20.7
2 21	8 36.69	+20 34.5	1.671	2.599	9.4	20.9
3 2	8 28.84	+20 42.8	1.736	2.596	13.3	21.1
3 12	8 23.86	+20 40.5	1.822	2.592	16.6	21.4
348600 2005 XV_{14}			2 1.6 51°.58	1°.1/ 2.1 17		
1 2	9 24.55	+13 18.8	1.127	1.993	17.9	20.1
1 12	9 18.09	+13 34.6	1.088	2.015	12.7	19.9
1 22	9 8.76	+14 4.8	1.070	2.037	6.9	19.6
2 1	8 57.92	+14 43.0	1.076	2.061	1.3	19.3
2 11	8 47.35	+15 22.0	1.108	2.084	5.5	19.7
2 21	8 38.63	+15 55.6	1.165	2.108	10.9	20.0
3 2	8 32.90	+16 19.8	1.245	2.133	15.5	20.4
3 12	8 30.64	+16 33.0	1.343	2.157	19.3	20.7
191258 2003 BV_{33}			2 1.6 133°.29	0°.1/ 1.6 18		
1 2	9 26.28	+15 29.7	1.707	2.553	13.8	20.7
1 12	9 18.78	+15 52.3	1.648	2.567	9.8	20.5
1 22	9 9.00	+16 23.0	1.614	2.580	5.2	20.2
2 1	8 57.94	+16 56.7	1.608	2.593	0.3	19.9
2 11	8 46.90	+17 28.3	1.632	2.605	4.5	20.2
2 21	8 37.13	+17 53.7	1.684	2.616	9.0	20.5
3 2	8 29.62	+18 10.6	1.762	2.627	12.9	20.8
3 12	8 24.96	+18 18.2	1.861	2.636	16.1	21.0
160815 2000 WV_{43}			2 1.6 113°.21	1°.3/31.7 18		
1 2	9 24.72	+18 3.2	1.828	2.678	12.8	20.2
1 12	9 17.56	+18 59.8	1.777	2.700	8.9	20.0
1 22	9 8.30	+20 2.1	1.753	2.721	4.6	19.8
2 1	8 57.91	+21 3.4	1.757	2.741	1.3	19.6
2 11	8 47.58	+21 57.5	1.792	2.761	4.8	19.9
2 21	8 38.45	+22 39.9	1.856	2.780	8.9	20.2
3 2	8 31.43	+23 8.9	1.945	2.798	12.4	20.4
3 12	8 27.07	+23 24.5	2.056	2.816	15.3	20.7

148000 1997 EB_9 2 1.6 270°.38 3°.4/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 26.55	+23 39.1	1.435	2.301	14.7	19.7
1 12	9 19.73	+24 14.3	1.359	2.288	10.5	19.4
1 22	9 9.87	+24 51.1	1.307	2.274	6.0	19.1
2 1	8 58.01	+25 21.7	1.281	2.260	3.5	18.9
2 11	8 45.79	+25 38.6	1.282	2.246	7.0	19.1
2 21	8 34.92	+25 38.3	1.309	2.232	11.9	19.3
3 2	8 26.81	+25 20.8	1.359	2.218	16.4	19.6
3 12	8 22.28	+24 48.7	1.428	2.204	20.1	19.8

378972 2008 UN_{240} 2 1.6 145°.58 0°.5/ 1.2 17

1 2	9 20.84	+17 38.1	2.319	3.164	10.6	21.5
1 12	9 14.60	+17 56.9	2.250	3.170	7.5	21.3
1 22	9 6.69	+18 20.1	2.208	3.175	3.9	21.1
2 1	8 57.84	+18 44.1	2.195	3.180	0.5	20.8
2 11	8 48.94	+19 5.5	2.213	3.185	3.7	21.1
2 21	8 40.87	+19 21.3	2.260	3.189	7.2	21.3
3 2	8 34.39	+19 30.2	2.335	3.193	10.4	21.5
3 12	8 30.00	+19 31.4	2.432	3.197	13.0	21.7

198947 2005 UR_{298} 2 1.6 120°.25 4°.1/ 3.8 18

1 2	9 23.17	+ 6 16.8	1.475	2.308	16.3	20.5
1 12	9 16.89	+ 6 16.2	1.410	2.314	12.3	20.3
1 22	9 8.15	+ 6 34.8	1.367	2.321	7.9	20.1
2 1	8 57.92	+ 7 10.3	1.351	2.327	4.3	19.9
2 11	8 47.57	+ 7 57.6	1.361	2.333	5.6	20.0
2 21	8 38.46	+ 8 50.4	1.399	2.338	9.8	20.2
3 2	8 31.69	+ 9 42.2	1.461	2.344	14.0	20.5
3 12	8 27.93	+10 28.1	1.543	2.349	17.6	20.7

5553 Chodas 2 1.6 340°.65 3°.7/ 3.9 18

1 2	9 15.17	+ 5 36.2	1.405	2.251	16.2	16.8
1 12	9 11.52	+ 6 6.1	1.326	2.237	12.3	16.5
1 22	9 5.45	+ 7 0.2	1.268	2.224	7.9	16.2
2 1	8 57.78	+ 8 15.5	1.234	2.213	4.1	16.0
2 11	8 49.77	+ 9 45.0	1.228	2.202	5.4	16.0
2 21	8 42.73	+11 19.4	1.246	2.193	9.9	16.2
3 2	8 37.86	+12 49.5	1.289	2.185	14.5	16.5
3 12	8 35.94	+14 8.2	1.351	2.178	18.5	16.7

251085 2006 SY_{108} 2 1.6 159°.84 4°.9/29.3 18

1 2	9 26.18	+30 4.7	2.067	2.919	11.5	22.0
1 12	9 18.64	+30 59.1	2.008	2.925	8.4	21.8
1 22	9 8.93	+31 48.4	1.976	2.931	5.7	21.7
2 1	8 57.97	+32 25.5	1.973	2.936	5.0	21.6
2 11	8 46.98	+32 45.6	2.000	2.940	7.0	21.8
2 21	8 37.16	+32 47.0	2.054	2.944	10.0	22.0
3 2	8 29.47	+32 30.8	2.132	2.947	12.9	22.2
3 12	8 24.48	+32 0.1	2.231	2.950	15.4	22.3

261136 2005 TK_{52} 2 1.6 19°.65 1°.5/ 2.3 18

1 2	9 20.22	+13 1.6	1.407	2.266	15.4	19.7
1 12	9 14.86	+13 3.4	1.349	2.272	11.1	19.4
1 22	9 7.07	+13 17.2	1.313	2.279	6.2	19.2
2 1	8 57.87	+13 39.5	1.303	2.287	1.6	18.9
2 11	8 48.64	+14 5.1	1.320	2.296	4.8	19.1
2 21	8 40.72	+14 29.2	1.363	2.305	9.7	19.4
3 2	8 35.17	+14 47.9	1.429	2.316	14.0	19.7
3 12	8 32.61	+14 58.9	1.515	2.327	17.6	20.0

468375 2016 FB_{46} 2 1.6 76°.29 1°.4/31.6 18

1 2	9 20.90	+19 27.8	1.914	2.770	12.0	20.7
1 12	9 14.92	+20 5.1	1.852	2.778	8.4	20.5
1 22	9 6.96	+20 46.7	1.817	2.786	4.4	20.3
2 1	8 57.86	+21 27.5	1.810	2.793	1.5	20.1
2 11	8 48.73	+22 2.1	1.832	2.801	4.7	20.4
2 21	8 40.62	+22 27.1	1.882	2.809	8.6	20.6
3 2	8 34.43	+22 40.7	1.958	2.817	12.1	20.8
3 12	8 30.71	+22 43.1	2.055	2.824	15.0	21.1

411299 2010 TD_{88} 2 1.6 56°.91 0°.5/ 1.9 18

1 2	9 20.99	+13 41.5	1.597	2.450	14.2	21.7
1 12	9 15.26	+14 13.2	1.534	2.456	10.1	21.4
1 22	9 7.25	+14 56.4	1.494	2.461	5.5	21.2
2 1	8 57.88	+15 46.1	1.482	2.467	0.7	20.8
2 11	8 48.42	+16 36.0	1.498	2.472	4.6	21.1
2 21	8 40.11	+17 20.4	1.541	2.478	9.2	21.4
3 2	8 33.97	+17 55.6	1.608	2.484	13.3	21.7
3 12	8 30.62	+18 19.6	1.697	2.490	16.7	21.9

466486 2013 VZ_{19} 2 1.6 84°.18 7°.2/27.4 18

1 2	9 26.49	+38 39.4	2.176	3.017	11.4	20.8
1 12	9 18.77	+39 43.6	2.142	3.039	9.1	20.7
1 22	9 8.92	+40 35.0	2.134	3.060	7.5	20.6
2 1	8 57.97	+41 6.9	2.154	3.082	7.4	20.6
2 11	8 47.21	+41 15.5	2.202	3.103	8.8	20.8
2 21	8 37.81	+41 1.0	2.275	3.123	10.9	20.9
3 2	8 30.69	+40 26.5	2.371	3.144	13.1	21.1
3 12	8 26.31	+39 36.7	2.487	3.164	14.9	21.3

172902 2005 GO_{75} 2 1.6 325°.49 0°.1/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 20.78	+15 24.0	1.379	2.244	15.3	20.6
1 12	9 15.57	+15 43.7	1.305	2.233	10.9	20.3
1 22	9 7.62	+16 14.6	1.253	2.222	5.9	20.0
2 1	8 57.91	+16 51.7	1.227	2.212	0.4	19.6
2 11	8 47.88	+17 28.5	1.227	2.202	5.3	19.9
2 21	8 39.05	+17 59.2	1.253	2.193	10.6	20.2
3 2	8 32.69	+18 20.0	1.302	2.185	15.3	20.4
3 12	8 29.60	+18 29.2	1.370	2.177	19.3	20.7

304792 2007 OD 2 1.6 134°.96 2°.3/ 3.0 18

1 2	9 23.71	+ 9 15.3	1.918	2.746	13.3	21.3
1 12	9 16.79	+ 9 28.7	1.854	2.760	9.7	21.1
1 22	9 7.91	+ 9 54.8	1.816	2.773	5.8	20.9
2 1	8 57.92	+10 30.6	1.806	2.786	2.4	20.7
2 11	8 47.91	+11 11.5	1.825	2.798	4.2	20.8
2 21	8 38.94	+11 52.9	1.874	2.810	8.0	21.1
3 2	8 31.87	+12 31.0	1.950	2.820	11.6	21.3
3 12	8 27.26	+13 2.7	2.048	2.830	14.6	21.5

148659 2001 ST_{128} 2 1.6 110°.60 0°.1/ 1.7 18

1 2	9 23.52	+15 30.9	2.041	2.883	12.0	20.9
1 12	9 16.52	+15 50.7	1.985	2.903	8.5	20.7
1 22	9 7.71	+16 17.0	1.956	2.922	4.5	20.5
2 1	8 57.91	+16 45.8	1.955	2.940	0.3	20.2
2 11	8 48.18	+17 13.0	1.985	2.958	3.9	20.5
2 21	8 39.51	+17 35.3	2.045	2.976	7.7	20.8
3 2	8 32.70	+17 50.8	2.130	2.993	11.1	21.0
3 12	8 28.24	+17 58.5	2.239	3.009	13.9	21.2

2649 Oongaq 2 1.6 64°.76 7°.2/ 5.8 18 R

1 2	9 21.39	− 1 27.4	1.674	2.470	16.3	16.0
1 12	9 15.34	− 2 6.4	1.615	2.485	13.1	15.8
1 22	9 7.20	− 2 22.7	1.577	2.500	9.9	15.6
2 1	8 57.89	− 2 15.5	1.565	2.515	7.6	15.5
2 11	8 48.55	− 1 47.1	1.579	2.530	7.6	15.6
2 21	8 40.32	− 1 2.9	1.620	2.545	9.9	15.7
3 2	8 34.11	− 0 9.3	1.686	2.560	12.9	15.9
3 12	8 30.51	+ 0 46.6	1.773	2.576	15.7	16.2

271123 2003 SN_{42} 2 1.6 113°.44 6°.1/ 6.8 18

1 2	9 18.28	− 4 13.5	2.271	3.038	13.4	20.8
1 12	9 12.79	− 4 14.8	2.201	3.051	11.0	20.6
1 22	9 5.75	− 3 55.7	2.154	3.063	8.4	20.5
2 1	8 57.81	− 3 16.6	2.134	3.075	6.5	20.4
2 11	8 49.81	− 2 20.3	2.142	3.087	6.3	20.4
2 21	8 42.56	− 1 11.9	2.178	3.098	8.0	20.5
3 2	8 36.78	+ 0 3.0	2.242	3.110	10.4	20.7
3 12	8 32.97	+ 1 18.3	2.329	3.120	12.8	20.9

171982 2001 TP_{152} 2 1.6 113°.23 3°.8/29.2 18

1 2	9 21.03	+29 3.8	2.665	3.516	9.2	20.8
1 12	9 14.62	+29 59.8	2.617	3.534	6.7	20.6
1 22	9 6.67	+30 52.1	2.595	3.551	4.4	20.5
2 1	8 57.87	+31 35.7	2.604	3.568	3.9	20.5
2 11	8 49.09	+32 6.6	2.644	3.584	5.6	20.6
2 21	8 41.15	+32 23.3	2.712	3.600	8.0	20.8
3 2	8 34.75	+32 25.8	2.805	3.616	10.3	21.0
3 12	8 30.35	+32 15.7	2.921	3.631	12.3	21.2

435352 2007 VC_{194} 2 1.6 330°.43 6°.2/27.8 15

1 2	9 20.54	+32 36.2	1.956	2.818	11.6	20.6
1 12	9 14.98	+33 49.2	1.891	2.809	8.8	20.4
1 22	9 7.15	+34 56.5	1.852	2.800	6.6	20.3
2 1	8 57.90	+35 50.0	1.840	2.792	6.4	20.2
2 11	8 48.46	+36 23.7	1.855	2.784	8.4	20.3
2 21	8 40.07	+36 34.9	1.896	2.776	11.3	20.5
3 2	8 33.76	+36 24.3	1.960	2.769	14.1	20.7
3 12	8 30.20	+35 55.2	2.043	2.762	16.6	20.8

451923 2014 KK_{81} 2 1.6 257°.10 5°.0/29.7 18

1 2	9 24.78	+25 31.5	1.407	2.277	14.7	20.9
1 12	9 18.51	+26 48.2	1.343	2.272	10.6	20.6
1 22	9 9.23	+28 6.4	1.303	2.267	6.5	20.3
2 1	8 58.02	+29 15.2	1.289	2.262	5.1	20.3
2 11	8 46.55	+30 5.2	1.302	2.257	8.3	20.4
2 21	8 36.48	+30 31.6	1.341	2.252	12.7	20.6
3 2	8 29.21	+30 34.3	1.401	2.247	16.7	20.9
3 12	8 25.50	+30 16.7	1.479	2.242	20.2	21.1

251131 2006 TA_4 2 1.6 97°.81 2°.5/ 3.3 18

1 2	9 20.96	+ 8 16.3	1.767	2.600	14.0	21.1
1 12	9 15.01	+ 8 39.8	1.705	2.613	10.3	20.9
1 22	9 7.04	+ 9 18.4	1.667	2.625	6.2	20.7
2 1	8 57.91	+10 8.8	1.657	2.637	2.7	20.5
2 11	8 48.74	+11 5.3	1.676	2.649	4.4	20.6
2 21	8 40.61	+12 2.3	1.723	2.661	8.3	20.9
3 2	8 34.44	+12 54.7	1.795	2.673	12.1	21.1
3 12	8 30.78	+13 38.9	1.890	2.684	15.2	21.4

219358 2000 RA_{79} 2 1.6 59°.35 2°.4/31.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 28.07	+22 3.8	1.634	2.490	13.8	20.5
1 12	9 19.75	+22 39.9	1.610	2.534	9.5	20.4
1 22	9 9.34	+23 15.9	1.611	2.578	5.1	20.2
2 1	8 58.02	+23 45.6	1.641	2.622	2.4	20.1
2 11	8 47.19	+24 4.4	1.699	2.665	5.5	20.4
2 21	8 38.02	+24 10.5	1.786	2.707	9.3	20.7
3 2	8 31.32	+24 4.4	1.897	2.749	12.7	21.0
3 12	8 27.48	+23 47.9	2.030	2.791	15.4	21.3

134881 2000 QL_{223} 2 1.6 16°.88 6°.0/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.55	+34 59.1	2.069	2.919	11.5	18.5
1 12	9 18.20	+35 29.3	2.011	2.921	8.8	18.3
1 22	9 8.69	+35 49.5	1.980	2.924	6.6	18.2
2 1	8 58.00	+35 53.7	1.975	2.926	6.1	18.2
2 11	8 47.40	+35 38.4	2.000	2.930	7.8	18.3
2 21	8 38.09	+35 3.5	2.051	2.933	10.4	18.5
3 2	8 30.99	+34 11.7	2.126	2.937	13.1	18.6
3 12	8 26.64	+33 7.3	2.222	2.940	15.4	18.8

244620 2003 AD_{94} 2 1.6 2°.33 4°.2/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 15.71	− 0 54.9	1.883	2.684	14.6	19.7
1 12	9 11.37	+ 0 24.8	1.802	2.683	11.4	19.5
1 22	9 5.17	+ 2 11.8	1.744	2.683	7.8	19.3
2 1	8 57.81	+ 4 21.8	1.715	2.684	4.8	19.1
2 11	8 50.25	+ 6 46.8	1.715	2.685	4.9	19.1
2 21	8 43.46	+ 9 16.4	1.746	2.687	8.1	19.3
3 2	8 38.32	+11 40.5	1.805	2.689	11.7	19.5
3 12	8 35.46	+13 51.1	1.889	2.692	14.9	19.8

30301 Kuditipudi 2 1.6 182°.80 1°.7/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.10	+10 8.8	1.843	2.676	13.5	19.1
1 12	9 16.59	+10 40.1	1.767	2.677	9.8	18.9
1 22	9 7.95	+11 25.2	1.716	2.677	5.7	18.7
2 1	8 57.97	+12 20.2	1.694	2.677	1.9	18.4
2 11	8 47.80	+13 19.3	1.702	2.676	4.2	18.6
2 21	8 38.59	+14 16.9	1.738	2.674	8.5	18.8
3 2	8 31.31	+15 8.3	1.801	2.672	12.4	19.1
3 12	8 26.62	+15 50.2	1.886	2.668	15.7	19.3

340612 2006 QN_{63} 2 1.6 100°.77 1°.2/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 17.23	+10 29.0	2.381	3.213	10.9	20.9
1 12	9 12.06	+11 10.1	2.312	3.222	7.8	20.7
1 22	9 5.39	+12 1.9	2.269	3.230	4.4	20.5
2 1	8 57.84	+13 0.8	2.256	3.239	1.3	20.3
2 11	8 50.21	+14 2.1	2.273	3.247	3.3	20.5
2 21	8 43.30	+15 1.3	2.320	3.256	6.7	20.7
3 2	8 37.78	+15 54.8	2.394	3.264	9.8	20.9
3 12	8 34.15	+16 39.9	2.492	3.272	12.4	21.1

318586 2005 GR_{189} 2 1.6 155°.40 0°.6/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.93	+17 19.2	2.052	2.897	11.8	21.7
1 12	9 16.95	+17 50.6	1.986	2.905	8.3	21.5
1 22	9 8.03	+18 27.6	1.946	2.913	4.3	21.3
2 1	8 57.98	+19 5.6	1.935	2.920	0.6	21.0
2 11	8 47.88	+19 39.7	1.955	2.926	4.2	21.3
2 21	8 38.76	+20 6.5	2.004	2.932	8.1	21.5
3 2	8 31.50	+20 24.1	2.080	2.937	11.6	21.7
3 12	8 26.67	+20 32.0	2.178	2.941	14.4	21.9

194128 2001 SP_{281} 2 1.6 140°.91 4°.5/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.96	+ 4 36.1	1.711	2.528	15.1	20.5
1 12	9 17.19	+ 4 28.2	1.644	2.538	11.5	20.3
1 22	9 8.24	+ 4 38.2	1.601	2.547	7.7	20.1
2 1	8 58.00	+ 5 4.7	1.584	2.555	4.7	19.9
2 11	8 47.67	+ 5 43.8	1.596	2.563	5.5	20.0
2 21	8 38.44	+ 6 30.2	1.636	2.571	9.0	20.2
3 2	8 31.30	+ 7 18.3	1.702	2.578	12.7	20.5
3 12	8 26.85	+ 8 3.1	1.789	2.584	15.9	20.7

204249 2004 EU_4 2 1.6 266°.14 0°.4/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.37	+16 34.5	2.365	3.212	10.4	20.6
1 12	9 12.99	+17 6.2	2.281	3.201	7.3	20.4
1 22	9 5.95	+17 44.1	2.223	3.191	3.9	20.1
2 1	8 57.87	+18 24.5	2.195	3.180	0.4	19.8
2 11	8 49.61	+19 3.2	2.198	3.170	3.7	20.1
2 21	8 42.03	+19 36.6	2.229	3.159	7.3	20.3
3 2	8 35.89	+20 2.4	2.287	3.148	10.5	20.5
3 12	8 31.77	+20 19.1	2.368	3.137	13.3	20.6

19123 Stephenlevine 2 1.6 136°.77 0°.1/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.59	+15 9.6	1.966	2.807	12.4	19.2
1 12	9 17.42	+15 51.7	1.906	2.823	8.8	18.9
1 22	9 8.27	+16 41.6	1.872	2.838	4.6	18.7
2 1	8 58.00	+17 34.3	1.868	2.853	0.3	18.4
2 11	8 47.72	+18 24.3	1.894	2.866	4.1	18.7
2 21	8 38.50	+19 7.0	1.950	2.879	8.2	19.0
3 2	8 31.23	+19 39.9	2.032	2.891	11.7	19.3
3 12	8 26.44	+20 1.9	2.137	2.902	14.6	19.5

503187 2015 HM 2 1.6 328°.70 5°.2/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 16.74	+ 1 43.9	1.990	2.798	13.6	20.7
1 12	9 12.05	+ 1 28.0	1.903	2.786	10.8	20.5
1 22	9 5.53	+ 1 29.8	1.840	2.775	7.8	20.3
2 1	8 57.85	+ 1 49.2	1.802	2.764	5.5	20.1
2 11	8 49.94	+ 2 24.0	1.793	2.754	5.8	20.1
2 21	8 42.74	+ 3 9.8	1.810	2.744	8.4	20.3
3 2	8 37.13	+ 4 1.5	1.854	2.734	11.6	20.4
3 12	8 33.72	+ 4 53.5	1.919	2.725	14.6	20.6

163806 2003 QJ_{94} 2 1.6 156°.09 3°.9/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.99	+26 23.3	1.981	2.835	11.8	20.4
1 12	9 18.56	+27 20.5	1.922	2.843	8.4	20.2
1 22	9 8.93	+28 15.8	1.889	2.851	5.2	20.0
2 1	8 58.04	+29 2.3	1.886	2.857	4.0	19.9
2 11	8 47.10	+29 34.3	1.912	2.863	6.4	20.1
2 21	8 37.30	+29 49.2	1.966	2.869	9.7	20.3
3 2	8 29.63	+29 47.4	2.045	2.873	12.9	20.5
3 12	8 24.68	+29 31.2	2.145	2.877	15.5	20.7

144785 2004 HC_{31} 2 1.6 348°.41 3°.6/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.24	+25 57.3	1.230	2.105	16.0	18.5
1 12	9 19.68	+25 45.1	1.164	2.096	11.5	18.2
1 22	9 9.87	+25 27.9	1.119	2.088	6.6	17.9
2 1	8 58.09	+24 59.4	1.100	2.081	3.6	17.7
2 11	8 46.24	+24 15.9	1.107	2.075	7.2	17.9
2 21	8 36.13	+23 17.7	1.138	2.071	12.3	18.2
3 2	8 29.17	+22 7.9	1.191	2.068	17.0	18.5
3 12	8 26.03	+20 50.9	1.263	2.066	20.9	18.7

173513 2000 UR_{65} 2 1.6 179°.64 1°.9/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.42	+22 44.5	2.647	3.498	9.3	20.4
1 12	9 13.54	+23 15.9	2.576	3.499	6.5	20.2
1 22	9 6.15	+23 48.1	2.533	3.499	3.6	20.0
2 1	8 57.89	+24 17.2	2.519	3.499	1.9	19.9
2 11	8 49.56	+24 39.6	2.536	3.499	4.2	20.0
2 21	8 41.95	+24 53.3	2.583	3.499	7.1	20.2
3 2	8 35.74	+24 57.2	2.656	3.498	9.8	20.4
3 12	8 31.42	+24 51.6	2.752	3.498	12.2	20.5

324499 2006 UG_{285} 2 1.6 67°.92 2°.5/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.07	+21 24.7	1.573	2.434	13.9	20.1
1 12	9 17.95	+22 15.2	1.536	2.463	9.7	19.9
1 22	9 8.56	+23 7.6	1.524	2.492	5.2	19.7
2 1	8 58.02	+23 54.6	1.540	2.521	2.6	19.6
2 11	8 47.72	+24 30.3	1.584	2.550	5.8	19.9
2 21	8 38.94	+24 51.3	1.655	2.578	9.9	20.2
3 2	8 32.59	+24 57.5	1.751	2.606	13.5	20.5
3 12	8 29.15	+24 50.3	1.867	2.634	16.4	20.7

124726 2001 SU_{168} 2 1.6 327°.38 5°.7/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.13	+27 35.0	1.334	2.207	15.2	19.5
1 12	9 18.86	+28 40.7	1.274	2.203	11.0	19.2
1 22	9 9.44	+29 44.3	1.237	2.199	7.1	19.0
2 1	8 58.08	+30 35.2	1.225	2.196	5.9	18.9
2 11	8 46.53	+31 4.6	1.240	2.193	8.9	19.1
2 21	8 36.56	+31 9.1	1.278	2.190	13.2	19.3
3 2	8 29.57	+30 50.1	1.339	2.187	17.2	19.5
3 12	8 26.29	+30 11.9	1.417	2.185	20.6	19.8

166797 2002 VF_{55} 2 1.6 26°.22 0°.8/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.69	+17 33.6	1.808	2.667	12.5	19.8
1 12	9 13.46	+18 8.8	1.748	2.675	8.7	19.5
1 22	9 6.24	+18 50.5	1.713	2.683	4.6	19.3
2 1	8 57.90	+19 33.5	1.706	2.691	0.8	19.0
2 11	8 49.51	+20 12.6	1.728	2.700	4.5	19.3
2 21	8 42.16	+20 43.5	1.777	2.710	8.6	19.6
3 2	8 36.71	+21 3.9	1.851	2.720	12.2	19.8
3 12	8 33.73	+21 13.1	1.947	2.730	15.2	20.1

82956 2001 QT_{127} 2 1.6 278°.68 2°.8/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.72	+11 6.0	1.733	2.570	14.1	19.1
1 12	9 17.88	+10 31.7	1.651	2.561	10.4	18.9
1 22	9 8.69	+10 6.8	1.593	2.552	6.3	18.6
2 1	8 58.04	+ 9 50.4	1.563	2.543	2.9	18.4
2 11	8 47.16	+ 9 40.7	1.562	2.534	4.9	18.5
2 21	8 37.29	+ 9 35.2	1.589	2.525	9.1	18.7
3 2	8 29.52	+ 9 31.5	1.642	2.516	13.2	18.9
3 12	8 24.54	+ 9 27.0	1.715	2.507	16.6	19.2

467437 2005 YA_{197} 2 1.6 36°.38 2°.9/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.59	+20 21.0	1.450	2.322	14.2	21.0
1 12	9 14.44	+21 42.3	1.405	2.337	9.9	20.8
1 22	9 6.87	+23 9.0	1.384	2.354	5.3	20.6
2 1	8 57.94	+24 31.9	1.390	2.370	3.0	20.5
2 11	8 49.02	+25 42.0	1.423	2.388	6.4	20.7
2 21	8 41.45	+26 33.8	1.482	2.406	10.7	21.0
3 2	8 36.27	+27 5.4	1.565	2.425	14.5	21.3
3 12	8 34.05	+27 17.9	1.666	2.444	17.6	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
404303 2013 EH_{119}			2 1.6 241°.07		1°.5/31.8 18	
	h m	° ′			°	m
1 2	9 24.71	+19 52.2	1.759	2.613	13.0	21.0
1 12	9 17.95	+20 17.2	1.679	2.604	9.2	20.7
1 22	9 8.77	+20 46.7	1.625	2.593	4.9	20.4
2 1	8 58.06	+21 15.1	1.599	2.583	1.5	20.2
2 11	8 47.09	+21 37.1	1.602	2.572	5.2	20.4
2 21	8 37.17	+21 49.1	1.633	2.561	9.6	20.6
3 2	8 29.43	+21 49.6	1.689	2.549	13.6	20.9
3 12	8 24.57	+21 39.2	1.766	2.537	17.0	21.1
444242 2005 US_{149}			2 1.6 104°.88		0°.8/ 2.0 15	
1 2	9 25.84	+13 31.4	1.506	2.355	15.2	22.1
1 12	9 18.66	+13 55.7	1.454	2.373	10.8	21.9
1 22	9 9.04	+14 31.2	1.425	2.391	5.8	21.6
2 1	8 58.07	+15 12.8	1.423	2.408	0.9	21.3
2 11	8 47.18	+15 54.2	1.450	2.425	4.7	21.6
2 21	8 37.72	+16 30.3	1.505	2.441	9.5	22.0
3 2	8 30.71	+16 57.7	1.584	2.457	13.7	22.2
3 12	8 26.73	+17 15.0	1.683	2.472	17.0	22.5
78981 2003 UB_{40}			2 1.6 90°.79		0°.7/ 2.1 18	
1 2	9 19.45	+13 25.7	2.096	2.938	11.7	20.4
1 12	9 13.76	+13 51.8	2.030	2.947	8.3	20.2
1 22	9 6.35	+14 26.7	1.991	2.956	4.5	19.9
2 1	8 57.93	+15 6.7	1.980	2.964	0.8	19.7
2 11	8 49.46	+15 47.3	1.999	2.973	3.7	19.9
2 21	8 41.86	+16 24.6	2.047	2.981	7.5	20.2
3 2	8 35.92	+16 55.4	2.121	2.990	10.9	20.4
3 12	8 32.17	+17 18.1	2.217	2.998	13.7	20.6
459127 2012 CP			2 1.6 350°.41		2°.2/31.1 18	
1 2	9 19.70	+18 37.2	1.599	2.464	13.5	20.5
1 12	9 14.55	+19 55.4	1.532	2.462	9.5	20.2
1 22	9 7.01	+21 22.7	1.491	2.461	5.0	19.9
2 1	8 57.97	+22 50.6	1.477	2.459	2.2	19.8
2 11	8 48.71	+24 10.2	1.491	2.458	5.9	20.0
2 21	8 40.51	+25 14.9	1.532	2.458	10.3	20.2
3 2	8 34.50	+26 1.0	1.597	2.457	14.3	20.5
3 12	8 31.38	+26 28.4	1.682	2.457	17.6	20.7
503513 2016 FJ_{5}			2 1.6 198°.11		3°.5/29.8 17	
1 2	9 23.24	+28 25.8	2.599	3.447	9.5	21.7
1 12	9 16.32	+29 3.8	2.527	3.444	6.9	21.5
1 22	9 7.67	+29 38.7	2.482	3.440	4.4	21.3
2 1	8 58.01	+30 5.5	2.468	3.435	3.6	21.3
2 11	8 48.27	+30 20.6	2.484	3.431	5.5	21.4
2 21	8 39.33	+30 22.3	2.529	3.425	8.1	21.6
3 2	8 32.00	+30 10.6	2.601	3.419	10.7	21.7
3 12	8 26.81	+29 47.4	2.694	3.413	13.0	21.9
355785 2008 SC_{25}			2 1.6 46°.24		2°.6/31.4 18	
1 2	9 24.78	+20 42.7	1.144	2.021	16.9	20.4
1 12	9 18.47	+21 23.4	1.102	2.036	11.8	20.2
1 22	9 9.11	+22 8.9	1.082	2.052	6.3	19.9
2 1	8 58.09	+22 50.2	1.086	2.069	2.6	19.7
2 11	8 47.27	+23 19.6	1.116	2.086	6.8	20.0
2 21	8 38.32	+23 32.8	1.170	2.104	11.9	20.4
3 2	8 32.46	+23 29.7	1.246	2.122	16.4	20.7
3 12	8 30.22	+23 12.0	1.340	2.140	20.0	21.0
97639 2000 EN_{163}			2 1.6 72°.53		0°.6/ 1.2 18	
1 2	9 20.29	+17 20.5	2.011	2.863	11.7	19.5
1 12	9 14.40	+17 51.9	1.953	2.876	8.2	19.3
1 22	9 6.69	+18 28.9	1.920	2.889	4.3	19.1
2 1	8 57.96	+19 7.0	1.916	2.901	0.6	18.8
2 11	8 49.24	+19 41.6	1.942	2.914	4.1	19.1
2 21	8 41.49	+20 9.1	1.996	2.927	7.9	19.4
3 2	8 35.53	+20 27.4	2.077	2.940	11.3	19.6
3 12	8 31.87	+20 36.0	2.179	2.952	14.1	19.8
128684 2004 RN_{77}			2 1.6 351°.96		16°.0/15.5 18	
1 2	9 12.97	−20 28.6	1.191	1.920	25.2	18.6
1 12	9 10.35	−20 47.7	1.118	1.912	22.9	18.3
1 22	9 5.02	−20 13.7	1.057	1.905	20.2	18.1
2 1	8 57.88	−18 38.3	1.013	1.900	17.8	17.9
2 11	8 50.37	−16 1.6	0.988	1.896	16.2	17.8
2 21	8 44.02	−12 33.9	0.984	1.894	16.3	17.8
3 2	8 40.19	− 8 34.7	1.003	1.893	18.1	17.9
3 12	8 39.73	− 4 28.0	1.043	1.894	21.0	18.1
493822 2015 VJ_{118}			2 1.6 83°.73		1°.2/ 2.3 18	
1 2	9 23.23	+11 13.9	1.433	2.282	15.7	21.3
1 12	9 16.92	+12 0.1	1.382	2.301	11.3	21.1
1 22	9 8.17	+13 1.7	1.355	2.320	6.2	20.9
2 1	8 58.05	+14 12.3	1.355	2.339	1.4	20.6
2 11	8 47.99	+15 23.9	1.382	2.357	4.8	20.9
2 21	8 39.30	+16 29.0	1.437	2.375	9.6	21.2
3 2	8 33.06	+17 22.8	1.516	2.393	13.9	21.5
3 12	8 29.82	+18 2.9	1.615	2.411	17.3	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
266824 2009 TX_{27}			2 1.6 148°.17		3°.0/30.0 18	
	h m	° ′			°	m
1 2	9 21.52	+23 46.0	2.314	3.167	10.4	20.8
1 12	9 15.23	+24 58.2	2.253	3.176	7.3	20.6
1 22	9 7.14	+26 11.6	2.220	3.184	4.2	20.4
2 1	8 58.00	+27 19.6	2.217	3.192	3.1	20.4
2 11	8 48.76	+28 16.9	2.245	3.200	5.4	20.5
2 21	8 40.36	+28 59.8	2.302	3.206	8.4	20.7
3 2	8 33.63	+29 27.2	2.385	3.213	11.3	20.9
3 12	8 29.11	+29 39.9	2.489	3.219	13.7	21.1
504798 2010 AG_{106}			2 1.6 110°.75		3°.8/30.4 17	
1 2	9 26.42	+29 49.9	2.318	3.165	10.6	20.7
1 12	9 18.55	+29 59.9	2.255	3.170	7.7	20.5
1 22	9 8.83	+30 3.9	2.218	3.175	4.9	20.4
2 1	8 58.11	+29 57.6	2.212	3.180	3.9	20.3
2 11	8 47.48	+29 38.1	2.235	3.185	5.7	20.4
2 21	8 37.97	+29 5.4	2.288	3.190	8.6	20.6
3 2	8 30.38	+28 20.9	2.367	3.195	11.4	20.8
3 12	8 25.23	+27 27.6	2.469	3.199	13.8	21.0
35176 1993 TK_{21}			2 1.6 84°.15		5°.4/29.8 18	
1 2	9 26.99	+28 2.1	1.457	2.323	14.5	19.1
1 12	9 19.77	+29 3.0	1.410	2.336	10.5	18.9
1 22	9 9.74	+29 59.6	1.387	2.348	6.7	18.7
2 1	8 58.16	+30 42.4	1.391	2.361	5.5	18.6
2 11	8 46.68	+31 4.6	1.422	2.373	8.2	18.8
2 21	8 36.86	+31 4.3	1.478	2.385	12.0	19.1
3 2	8 29.86	+30 43.5	1.557	2.397	15.6	19.3
3 12	8 26.27	+30 6.4	1.654	2.409	18.6	19.6
30795 1989 AR_{5}			2 1.6 78°.62		0°.3/ 1.4 18	
1 2	9 20.77	+15 27.2	1.781	2.633	13.0	18.5
1 12	9 14.94	+16 11.3	1.722	2.645	9.1	18.3
1 22	9 7.07	+17 4.2	1.689	2.657	4.8	18.1
2 1	8 58.01	+18 0.4	1.683	2.668	0.3	17.7
2 11	8 48.93	+18 53.8	1.707	2.680	4.4	18.1
2 21	8 40.91	+19 39.3	1.759	2.692	8.6	18.4
3 2	8 34.88	+20 14.0	1.836	2.704	12.3	18.6
3 12	8 31.39	+20 36.6	1.934	2.715	15.4	18.8
135336 2001 TW_{12}			2 1.6 156°.82		4°.0/29.8 18	
1 2	9 26.69	+32 18.2	2.819	3.657	9.2	20.1
1 12	9 18.51	+32 32.9	2.755	3.663	6.8	19.9
1 22	9 8.73	+32 40.7	2.719	3.668	4.7	19.8
2 1	8 58.11	+32 37.6	2.714	3.674	4.0	19.8
2 11	8 47.59	+32 21.4	2.740	3.678	5.5	19.9
2 21	8 38.02	+31 51.9	2.796	3.683	7.8	20.0
3 2	8 30.14	+31 10.6	2.880	3.687	10.1	20.2
3 12	8 24.39	+30 20.0	2.986	3.690	12.1	20.3
369364 2009 UW_{32}			2 1.6 153°.83		1°.7/ 2.8 18	
1 2	9 20.22	+10 34.1	2.101	2.934	12.1	22.1
1 12	9 14.35	+10 50.7	2.028	2.938	8.8	21.9
1 22	9 6.71	+11 18.2	1.981	2.941	5.1	21.7
2 1	8 58.00	+11 53.9	1.962	2.944	1.8	21.4
2 11	8 49.20	+12 33.4	1.973	2.947	3.8	21.6
2 21	8 41.22	+13 12.8	2.014	2.950	7.5	21.8
3 2	8 34.90	+13 48.4	2.081	2.953	10.9	22.0
3 12	8 30.77	+14 17.6	2.170	2.955	13.8	22.2
217049 2001 QX_{191}			2 1.6 202°.42		0°.9/ 2.2 17	
1 2	9 23.77	+13 46.4	2.399	3.229	10.9	20.9
1 12	9 16.72	+13 47.8	2.314	3.224	7.8	20.7
1 22	9 7.93	+13 55.7	2.255	3.218	4.3	20.5
2 1	8 58.08	+14 7.6	2.228	3.212	1.0	20.2
2 11	8 48.07	+14 20.6	2.231	3.204	3.5	20.4
2 21	8 38.82	+14 32.2	2.265	3.196	7.1	20.6
3 2	8 31.12	+14 40.5	2.327	3.188	10.4	20.8
3 12	8 25.53	+14 44.0	2.413	3.178	13.1	21.0
121961 2000 EZ_{79}			2 1.6 209°.05		1°.5/31.6 18	
1 2	9 24.44	+18 25.5	1.765	2.617	13.1	19.9
1 12	9 17.78	+19 19.4	1.688	2.612	9.2	19.6
1 22	9 8.72	+20 20.7	1.638	2.606	4.9	19.4
2 1	8 58.13	+21 22.9	1.616	2.599	1.5	19.1
2 11	8 47.25	+22 18.8	1.623	2.592	5.2	19.4
2 21	8 37.38	+23 3.1	1.659	2.584	9.7	19.6
3 2	8 29.65	+23 33.0	1.719	2.575	13.7	19.8
3 12	8 24.77	+23 48.5	1.801	2.565	17.0	20.0
45659 2000 EL_{84}			2 1.6 90°.52		1°.4/ 2.8 18	
1 2	9 18.31	+ 9 46.3	2.152	2.985	11.8	18.3
1 12	9 12.94	+10 29.5	2.088	2.998	8.6	18.1
1 22	9 5.92	+11 24.9	2.049	3.010	4.9	17.9
2 1	8 57.96	+12 28.5	2.039	3.022	1.6	17.7
2 11	8 49.94	+13 35.0	2.060	3.034	3.6	17.8
2 21	8 42.73	+14 39.4	2.110	3.046	7.2	18.1
3 2	8 37.09	+15 37.3	2.186	3.058	10.5	18.3
3 12	8 33.51	+16 25.9	2.286	3.070	13.2	18.5

378013 2006 SV_{71} 2 1.6 99°.22 3°.9/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 26.19	+26 19.2	1.849	2.705	12.4	21.5
1 12	9 18.66	+27 11.9	1.805	2.727	8.8	21.4
1 22	9 8.97	+28 1.7	1.787	2.749	5.3	21.2
2 1	8 58.13	+28 41.7	1.797	2.770	4.0	21.2
2 11	8 47.44	+29 6.8	1.837	2.791	6.4	21.3
2 21	8 38.09	+29 15.0	1.904	2.811	9.8	21.6
3 2	8 31.00	+29 7.2	1.997	2.830	12.9	21.8
3 12	8 26.68	+28 45.9	2.109	2.849	15.5	22.0

417207 2005 XE_{58} 2 1.6 27°.15 2°.1/ 2.8 18

1 2	9 20.43	+10 52.1	1.681	2.526	14.0	21.4
1 12	9 14.81	+10 56.1	1.614	2.529	10.2	21.2
1 22	9 7.06	+11 12.7	1.571	2.533	6.0	21.0
2 1	8 58.03	+11 39.1	1.555	2.537	2.2	20.7
2 11	8 48.91	+12 10.6	1.567	2.542	4.4	20.9
2 21	8 40.85	+12 42.8	1.607	2.547	8.7	21.2
3 2	8 34.81	+13 11.5	1.671	2.552	12.6	21.4
3 12	8 31.40	+13 33.8	1.757	2.557	16.0	21.6

330707 2008 NC_5 2 1.6 230°.90 4°.0/29.2 17

1 2	9 22.46	+27 44.6	2.363	3.216	10.2	21.4
1 12	9 16.07	+28 52.0	2.284	3.203	7.4	21.2
1 22	9 7.70	+29 58.4	2.232	3.190	4.8	21.0
2 1	8 58.07	+30 57.2	2.211	3.177	4.2	20.9
2 11	8 48.18	+31 42.8	2.219	3.163	6.3	21.0
2 21	8 39.04	+32 12.0	2.256	3.148	9.2	21.2
3 2	8 31.59	+32 24.2	2.318	3.133	12.0	21.3
3 12	8 26.46	+32 20.7	2.401	3.117	14.5	21.5

148750 2001 TL_{171} 2 1.6 73°.63 2°.7/30.6 18

1 2	9 21.02	+20 27.8	1.704	2.566	13.0	20.0
1 12	9 15.28	+21 51.0	1.650	2.579	9.0	19.8
1 22	9 7.32	+23 19.4	1.622	2.591	4.9	19.5
2 1	8 58.05	+24 44.5	1.623	2.603	2.8	19.4
2 11	8 48.71	+25 58.2	1.652	2.615	5.9	19.6
2 21	8 40.51	+26 55.1	1.709	2.628	9.9	19.9
3 2	8 34.45	+27 33.3	1.790	2.640	13.5	20.2
3 12	8 31.12	+27 53.3	1.892	2.652	16.4	20.4

155161 2005 UQ_{104} 2 1.6 340°.74 8°.3/ 7.0 18

1 2	9 18.56	− 5 26.7	1.791	2.567	16.2	19.8
1 12	9 13.48	− 5 59.2	1.714	2.565	13.5	19.6
1 22	9 6.38	− 6 6.9	1.657	2.562	10.8	19.4
2 1	8 58.00	− 5 47.9	1.625	2.560	8.7	19.3
2 11	8 49.40	− 5 4.1	1.618	2.558	8.5	19.3
2 21	8 41.65	− 4 0.5	1.638	2.556	10.3	19.4
3 2	8 35.72	− 2 44.2	1.682	2.555	13.0	19.5
3 12	8 32.24	− 1 23.6	1.748	2.554	15.8	19.7

496345 2013 QF_8 2 1.6 147°.12 2°.6/ 3.4 18

1 2	9 20.47	+ 8 14.0	2.080	2.906	12.5	22.0
1 12	9 14.53	+ 8 19.8	2.007	2.910	9.3	21.8
1 22	9 6.81	+ 8 38.1	1.960	2.914	5.7	21.6
2 1	8 58.04	+ 9 6.7	1.940	2.919	2.8	21.5
2 11	8 49.16	+ 9 42.1	1.950	2.922	4.1	21.6
2 21	8 41.13	+10 20.1	1.990	2.926	7.5	21.8
3 2	8 34.76	+10 56.8	2.055	2.929	10.9	22.0
3 12	8 30.59	+11 29.0	2.144	2.932	13.9	22.2

462086 2007 GS_{15} 2 1.6 272°.95 2°.5/31.1 17

1 2	9 22.60	+22 45.1	1.885	2.744	12.1	21.5
1 12	9 16.35	+23 18.2	1.811	2.737	8.5	21.3
1 22	9 7.90	+23 53.0	1.763	2.730	4.7	21.0
2 1	8 58.11	+24 23.7	1.743	2.724	2.5	20.9
2 11	8 48.14	+24 45.2	1.752	2.717	5.5	21.0
2 21	8 39.19	+24 54.5	1.789	2.710	9.4	21.2
3 2	8 32.25	+24 50.7	1.851	2.703	13.0	21.5
3 12	8 27.98	+24 34.8	1.933	2.696	16.0	21.7

139864 2001 RW_{66} 2 1.6 145°.73 0°.9/31.9 18

1 2	9 20.78	+19 42.3	2.575	3.421	9.7	20.3
1 12	9 14.49	+19 58.8	2.507	3.427	6.8	20.1
1 22	9 6.69	+20 17.6	2.465	3.433	3.6	19.9
2 1	8 58.04	+20 35.4	2.454	3.438	0.9	19.7
2 11	8 49.37	+20 49.3	2.474	3.443	3.6	19.9
2 21	8 41.46	+20 57.0	2.524	3.449	6.8	20.1
3 2	8 35.00	+20 57.6	2.601	3.453	9.7	20.3
3 12	8 30.47	+20 50.9	2.701	3.458	12.1	20.5

129187 Danielalfred 2 1.6 143°.72 1°.6/31.2 18

1 2	9 21.75	+15 53.2	2.015	2.861	12.0	20.1
1 12	9 15.64	+17 49.0	1.947	2.869	8.3	19.9
1 22	9 7.51	+19 55.4	1.908	2.876	4.3	19.7
2 1	8 58.09	+22 3.9	1.900	2.883	1.6	19.5
2 11	8 48.44	+24 4.9	1.924	2.889	5.0	19.7
2 21	8 39.63	+25 51.0	1.978	2.895	8.9	20.0
3 2	8 32.60	+27 17.8	2.060	2.901	12.3	20.2
3 12	8 28.00	+28 24.2	2.164	2.906	15.1	20.4

116881 2004 FT_{116} 2 1.6 245°.67 1°.2/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 17.91	+18 48.3	2.655	3.502	9.4	20.2
1 12	9 12.61	+19 40.7	2.569	3.490	6.6	20.0
1 22	9 5.79	+20 38.0	2.510	3.478	3.5	19.7
2 1	8 58.00	+21 36.1	2.482	3.465	1.2	19.5
2 11	8 50.00	+22 30.2	2.485	3.453	3.8	19.7
2 21	8 42.57	+23 16.8	2.518	3.440	7.0	19.9
3 2	8 36.43	+23 53.4	2.579	3.426	9.9	20.1
3 12	8 32.12	+24 19.1	2.662	3.413	12.4	20.2

322352 2011 JP_{20} 2 1.6 248°.31 0°.1/ 1.6 18

1 2	9 19.08	+15 26.1	2.123	2.971	11.4	21.2
1 12	9 13.61	+15 59.7	2.049	2.970	8.0	21.0
1 22	9 6.36	+16 40.9	2.002	2.969	4.3	20.8
2 1	8 58.03	+17 25.7	1.982	2.968	0.2	20.4
2 11	8 49.57	+18 9.3	1.993	2.966	3.8	20.7
2 21	8 41.91	+18 47.6	2.033	2.965	7.7	20.9
3 2	8 35.88	+19 17.8	2.099	2.964	11.1	21.2
3 12	8 32.04	+19 38.3	2.187	2.963	14.0	21.4

128364 2004 HM_{29} 2 1.6 163°.18 2°.9/ 3.4 18

1 2	9 24.20	+ 7 29.8	1.844	2.667	13.9	20.6
1 12	9 17.35	+ 7 43.7	1.772	2.673	10.4	20.3
1 22	9 8.38	+ 8 12.7	1.725	2.679	6.4	20.1
2 1	8 58.15	+ 8 54.1	1.706	2.684	3.1	19.9
2 11	8 47.80	+ 9 43.1	1.717	2.689	4.6	20.0
2 21	8 38.44	+10 34.4	1.757	2.692	8.4	20.3
3 2	8 31.04	+11 23.1	1.823	2.695	12.2	20.5
3 12	8 26.22	+12 5.5	1.911	2.697	15.4	20.7

447413 2006 BL_{203} 2 1.6 21°.07 0°.3/ 1.4 18

1 2	9 20.01	+14 11.6	1.191	2.061	16.8	20.6
1 12	9 15.21	+15 11.9	1.134	2.065	11.9	20.4
1 22	9 7.54	+16 28.3	1.100	2.070	6.3	20.1
2 1	8 58.11	+17 52.3	1.090	2.075	0.4	19.7
2 11	8 48.52	+19 13.4	1.106	2.081	5.7	20.1
2 21	8 40.40	+20 22.5	1.147	2.088	11.3	20.4
3 2	8 35.02	+21 14.4	1.211	2.095	16.1	20.7
3 12	8 33.07	+21 47.2	1.292	2.103	20.0	21.0

163470 Kenwallis 2 1.6 129°.51 0°.8/ 2.2 18

1 2	9 19.06	+12 56.8	2.311	3.149	10.9	20.9
1 12	9 13.42	+13 22.3	2.241	3.155	7.8	20.7
1 22	9 6.19	+13 56.2	2.197	3.161	4.3	20.5
2 1	8 58.03	+14 35.3	2.183	3.167	0.9	20.2
2 11	8 49.79	+15 15.5	2.199	3.173	3.4	20.4
2 21	8 42.32	+15 53.1	2.244	3.179	6.9	20.7
3 2	8 36.35	+16 25.2	2.317	3.184	10.1	20.9
3 12	8 32.37	+16 50.0	2.412	3.189	12.8	21.1

424328 2007 UG_{57} 2 1.6 207°.93 3°.1/ 4.1 17

1 2	9 18.01	+ 5 33.0	2.453	3.265	11.3	21.5
1 12	9 12.65	+ 5 36.1	2.370	3.262	8.5	21.3
1 22	9 5.79	+ 5 51.9	2.313	3.260	5.6	21.1
2 1	8 58.01	+ 6 18.8	2.285	3.257	3.3	21.0
2 11	8 50.10	+ 6 54.2	2.286	3.254	4.0	21.0
2 21	8 42.83	+ 7 34.3	2.317	3.251	6.8	21.2
3 2	8 36.89	+ 8 15.6	2.375	3.248	9.7	21.4
3 12	8 32.81	+ 8 54.5	2.457	3.244	12.3	21.5

233606 2007 SE_{10} 2 1.6 133°.71 0°.0/ 1.7 18

1 2	9 19.40	+15 20.5	2.254	3.098	10.9	21.0
1 12	9 13.72	+15 48.4	2.184	3.102	7.7	20.8
1 22	9 6.37	+16 23.2	2.140	3.106	4.1	20.6
2 1	8 58.04	+17 1.2	2.125	3.110	0.3	20.3
2 11	8 49.64	+17 38.1	2.140	3.114	3.6	20.6
2 21	8 42.02	+18 10.4	2.185	3.117	7.2	20.8
3 2	8 35.96	+18 35.7	2.257	3.121	10.5	21.0
3 12	8 31.97	+18 52.6	2.351	3.124	13.2	21.2

497722 2006 SB_{158} 2 1.6 146°.56 0°.9/31.8 17

1 2	9 18.81	+18 56.7	2.886	3.730	8.8	22.7
1 12	9 13.01	+19 29.4	2.819	3.739	6.2	22.5
1 22	9 5.89	+20 5.1	2.780	3.747	3.2	22.3
2 1	8 58.02	+20 40.4	2.771	3.755	0.9	22.1
2 11	8 50.11	+21 12.1	2.794	3.763	3.3	22.3
2 21	8 42.84	+21 37.7	2.847	3.770	6.2	22.5
3 2	8 36.82	+21 55.6	2.928	3.777	8.8	22.7
3 12	8 32.49	+22 5.5	3.033	3.784	11.0	22.9

205251 2000 QT_{211} 2 1.6 56°.13 1°.8/31.9 17

1 2	9 28.11	+20 4.3	1.219	2.087	16.7	20.0
1 12	9 20.45	+20 26.0	1.186	2.116	11.6	19.8
1 22	9 10.02	+20 51.6	1.175	2.145	6.1	19.6
2 1	8 58.25	+21 14.0	1.191	2.174	1.8	19.4
2 11	8 46.93	+21 27.2	1.233	2.204	6.0	19.7
2 21	8 37.59	+21 28.6	1.300	2.234	11.0	20.1
3 2	8 31.28	+21 18.2	1.391	2.264	15.2	20.4
3 12	8 28.42	+20 57.5	1.500	2.293	18.6	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
274356 2008 RE_{63}			2 1.6 205.°53		3.°5/29.9 17	
	h m	° ′			°	m
1 2	9 23.55	+27 39.5	2.452	3.302	10.0	21.5
1 12	9 16.66	+28 19.2	2.379	3.297	7.2	21.3
1 22	9 7.95	+28 56.2	2.332	3.292	4.5	21.1
2 1	8 58.15	+29 25.5	2.316	3.286	3.6	21.0
2 11	8 48.23	+29 42.9	2.330	3.280	5.6	21.2
2 21	8 39.15	+29 46.6	2.373	3.273	8.4	21.3
3 2	8 31.76	+29 36.5	2.442	3.265	11.2	21.5
3 12	8 26.60	+29 14.5	2.533	3.257	13.6	21.7
282452 2004 CT_{18}			2 1.6 64.°71		1.°8/31.0 18	
1 2	9 18.31	+18 24.4	2.114	2.969	11.1	19.9
1 12	9 13.12	+19 49.3	2.050	2.975	7.7	19.7
1 22	9 6.12	+21 20.9	2.014	2.983	4.1	19.5
2 1	8 58.04	+22 52.3	2.007	2.990	1.8	19.3
2 11	8 49.82	+24 16.7	2.032	2.997	4.8	19.5
2 21	8 42.41	+25 28.5	2.085	3.004	8.3	19.8
3 2	8 36.65	+26 24.8	2.164	3.011	11.5	20.0
3 12	8 33.10	+27 4.9	2.265	3.019	14.2	20.2
495465 2014 TX_{68}			2 1.6 163.°68		1.°1/ 2.4 18	
1 2	9 21.47	+12 2.8	2.051	2.888	12.2	21.9
1 12	9 15.30	+12 29.9	1.979	2.892	8.8	21.7
1 22	9 7.26	+13 7.4	1.933	2.896	4.9	21.5
2 1	8 58.11	+13 51.6	1.915	2.899	1.2	21.2
2 11	8 48.84	+14 37.9	1.928	2.902	3.8	21.4
2 21	8 40.44	+15 21.6	1.970	2.905	7.7	21.6
3 2	8 33.76	+15 59.3	2.038	2.907	11.3	21.9
3 12	8 29.39	+16 28.8	2.129	2.908	14.2	22.1
400781 2010 EF_{85}			2 1.6 301.°86		2.°8/31.3 18	
1 2	9 24.42	+21 45.7	1.330	2.201	15.4	21.0
1 12	9 18.42	+22 21.5	1.257	2.188	10.9	20.7
1 22	9 9.34	+23 1.8	1.207	2.176	6.0	20.4
2 1	8 58.25	+23 38.8	1.182	2.164	2.9	20.1
2 11	8 46.79	+24 4.6	1.184	2.152	6.8	20.3
2 21	8 36.69	+24 14.6	1.211	2.141	12.0	20.6
3 2	8 29.40	+24 7.7	1.260	2.130	16.7	20.8
3 12	8 25.73	+23 45.6	1.327	2.119	20.6	21.1
270022 2001 FF_{173}			2 1.6 43.°23		0.°8/ 2.1 18	
1 2	9 19.48	+13 14.3	1.865	2.712	12.7	20.5
1 12	9 14.02	+13 39.7	1.799	2.718	9.1	20.3
1 22	9 6.62	+14 15.3	1.758	2.723	5.0	20.0
2 1	8 58.08	+14 57.1	1.744	2.729	0.9	19.7
2 11	8 49.46	+15 39.9	1.760	2.735	4.0	20.0
2 21	8 41.79	+16 19.3	1.803	2.741	8.1	20.2
3 2	8 35.95	+16 51.8	1.873	2.747	11.8	20.5
3 12	8 32.52	+17 15.2	1.964	2.753	14.9	20.7
188059 2001 VH_{120}			2 1.6 142.°06		2.°7/30.8 18	
1 2	9 22.68	+22 51.6	1.965	2.822	11.8	20.6
1 12	9 16.27	+23 39.9	1.903	2.827	8.3	20.4
1 22	9 7.82	+24 29.7	1.866	2.832	4.6	20.2
2 1	8 58.15	+25 15.0	1.858	2.837	2.7	20.1
2 11	8 48.42	+25 50.2	1.879	2.841	5.5	20.3
2 21	8 39.71	+26 12.2	1.929	2.846	9.1	20.5
3 2	8 32.96	+26 20.0	2.004	2.849	12.4	20.7
3 12	8 28.75	+26 14.7	2.100	2.853	15.2	20.9
465585 2008 YG_{130}			2 1.6 192.°53		3.°5/29.3 17	
1 2	9 19.56	+25 48.9	2.489	3.344	9.7	21.5
1 12	9 13.90	+27 8.4	2.421	3.343	6.9	21.4
1 22	9 6.52	+28 28.2	2.381	3.342	4.3	21.2
2 1	8 58.08	+29 42.0	2.371	3.340	3.6	21.1
2 11	8 49.46	+30 44.4	2.392	3.339	5.7	21.3
2 21	8 41.54	+31 31.8	2.441	3.336	8.4	21.4
3 2	8 35.12	+32 2.8	2.517	3.334	11.1	21.6
3 12	8 30.79	+32 18.3	2.613	3.332	13.4	21.8
406140 2006 VA_{114}			2 1.6 67.°78		0.°1/ 1.6 18	
1 2	9 22.88	+15 47.6	1.589	2.444	14.1	21.4
1 12	9 16.56	+16 13.9	1.536	2.460	10.0	21.2
1 22	9 7.99	+16 48.7	1.508	2.476	5.2	21.0
2 1	8 58.16	+17 26.6	1.507	2.492	0.3	20.6
2 11	8 48.40	+18 2.1	1.534	2.508	4.6	21.0
2 21	8 39.93	+18 30.6	1.589	2.524	9.2	21.3
3 2	8 33.71	+18 49.5	1.668	2.540	13.1	21.6
3 12	8 30.31	+18 58.2	1.768	2.556	16.3	21.9
7021 Tomiokamachi			2 1.6 181.°35		4.°0/29.3 18	
1 2	9 22.93	+26 31.5	2.180	3.035	10.8	17.3
1 12	9 16.45	+27 50.8	2.115	3.036	7.8	17.1
1 22	9 7.93	+29 9.6	2.077	3.037	5.0	16.9
2 1	8 58.17	+30 20.5	2.068	3.036	4.2	16.9
2 11	8 48.22	+31 17.4	2.090	3.036	6.4	17.0
2 21	8 39.16	+31 56.6	2.140	3.035	9.5	17.2
3 2	8 31.93	+32 17.4	2.215	3.033	12.4	17.4
3 12	8 27.15	+32 21.5	2.311	3.031	14.9	17.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
442695 2012 UC_{85}			2 1.6 65.°57		1.°0/ 1.2 17	
	h m	° ′			°	m
1 2	9 28.27	+18 6.4	1.161	2.028	17.4	21.1
1 12	9 20.78	+18 25.6	1.121	2.051	12.2	20.8
1 22	9 10.31	+18 51.9	1.104	2.073	6.3	20.6
2 1	8 58.31	+19 18.2	1.111	2.096	1.0	20.3
2 11	8 46.63	+19 38.0	1.146	2.119	5.9	20.7
2 21	8 36.94	+19 47.4	1.205	2.142	11.3	21.1
3 2	8 30.38	+19 45.4	1.287	2.165	15.8	21.4
3 12	8 27.46	+19 32.7	1.387	2.188	19.5	21.7
201430 2003 AK_{66}			2 1.6 41.°76		2.°2/31.5 18	
1 2	9 25.24	+24 16.6	2.066	2.918	11.5	19.5
1 12	9 17.87	+24 12.0	2.002	2.924	8.1	19.3
1 22	9 8.56	+24 5.3	1.965	2.931	4.5	19.1
2 1	8 58.21	+23 53.0	1.957	2.938	2.2	18.9
2 11	8 47.94	+23 32.4	1.979	2.944	4.8	19.1
2 21	8 38.80	+23 2.8	2.030	2.952	8.4	19.4
3 2	8 31.64	+22 25.2	2.107	2.959	11.6	19.6
3 12	8 26.98	+21 41.0	2.207	2.966	14.4	19.8
301766 2010 JU_{48}			2 1.6 187.°39		1.°7/ 3.2 17	
1 2	9 16.83	+ 8 46.9	2.493	3.319	10.7	21.2
1 12	9 11.84	+ 9 24.4	2.414	3.319	7.8	21.0
1 22	9 5.38	+10 13.5	2.361	3.318	4.6	20.8
2 1	8 58.04	+11 11.2	2.337	3.318	1.8	20.6
2 11	8 50.56	+12 13.4	2.344	3.317	3.3	20.7
2 21	8 43.70	+13 15.4	2.380	3.317	6.5	20.9
3 2	8 38.15	+14 13.4	2.445	3.316	9.5	21.1
3 12	8 34.39	+15 4.3	2.533	3.315	12.1	21.3
286438 2002 AS_{39}			2 1.6 340.°21		1.°6/ 2.4 18	
1 2	9 21.29	+12 16.1	1.295	2.156	16.4	20.0
1 12	9 16.06	+12 26.3	1.226	2.150	11.9	19.7
1 22	9 8.02	+12 51.5	1.179	2.145	6.8	19.4
2 1	8 58.20	+13 27.7	1.156	2.140	1.8	19.1
2 11	8 48.11	+14 8.5	1.160	2.136	5.2	19.3
2 21	8 39.31	+14 47.5	1.189	2.133	10.6	19.6
3 2	8 33.09	+15 19.6	1.241	2.130	15.5	19.9
3 12	8 30.21	+15 41.6	1.311	2.128	19.5	20.1
233799 2008 UQ_{110}			2 1.6 186.°08		0.°0/ 1.6 18	
1 2	9 20.64	+15 58.4	2.308	3.151	10.8	21.0
1 12	9 14.60	+16 16.6	2.233	3.151	7.6	20.8
1 22	9 6.87	+16 40.7	2.184	3.150	4.1	20.6
2 1	8 58.13	+17 7.4	2.165	3.150	0.2	20.2
2 11	8 49.30	+17 32.9	2.176	3.149	3.6	20.5
2 21	8 41.24	+17 54.2	2.216	3.148	7.2	20.7
3 2	8 34.73	+18 9.3	2.284	3.146	10.5	20.9
3 12	8 30.30	+18 17.0	2.374	3.144	13.2	21.1
502993 2015 FA_{88}			2 1.6 268.°26		1.°1/31.9 17	
1 2	9 22.43	+20 38.0	2.259	3.108	10.7	21.1
1 12	9 15.88	+20 42.0	2.183	3.104	7.6	20.9
1 22	9 7.55	+20 47.6	2.133	3.101	4.0	20.7
2 1	8 58.18	+20 51.4	2.114	3.098	1.1	20.4
2 11	8 48.73	+20 50.3	2.124	3.094	4.1	20.7
2 21	8 40.14	+20 42.6	2.164	3.091	7.7	20.9
3 2	8 33.25	+20 27.7	2.231	3.087	10.9	21.1
3 12	8 28.57	+20 5.8	2.320	3.084	13.6	21.3
131279 2001 FC_{71}			2 1.6 237.°87		1.°5/ 2.9 18	
1 2	9 18.50	+ 9 55.0	2.433	3.260	10.8	20.4
1 12	9 13.12	+10 25.7	2.342	3.249	7.9	20.2
1 22	9 6.13	+11 7.5	2.278	3.237	4.6	19.9
2 1	8 58.11	+11 57.7	2.243	3.225	1.7	19.7
2 11	8 49.88	+12 52.1	2.239	3.213	3.4	19.8
2 21	8 42.24	+13 46.5	2.265	3.200	6.8	20.0
3 2	8 35.95	+14 36.9	2.318	3.187	10.1	20.2
3 12	8 31.58	+15 20.6	2.395	3.173	12.9	20.4
61392 2000 QC_{4}			2 1.6 173.°27		0.°0/ 1.7 18	
1 2	9 24.26	+15 10.1	1.839	2.684	13.0	20.3
1 12	9 17.48	+15 39.6	1.768	2.687	9.2	20.1
1 22	9 8.52	+16 17.8	1.723	2.689	4.9	19.8
2 1	8 58.26	+16 59.9	1.706	2.691	0.3	19.5
2 11	8 47.85	+17 40.4	1.719	2.692	4.3	19.8
2 21	8 38.47	+18 15.0	1.761	2.693	8.7	20.1
3 2	8 31.11	+18 40.8	1.828	2.693	12.5	20.3
3 12	8 26.40	+18 56.5	1.917	2.692	15.7	20.5
269585 2009 WO_{251}			2 1.6 22.°06		0.°5/ 1.9 18	
1 2	9 20.10	+14 18.9	1.792	2.643	13.0	20.9
1 12	9 14.57	+14 40.1	1.724	2.645	9.3	20.7
1 22	9 6.97	+15 10.7	1.681	2.648	5.0	20.5
2 1	8 58.16	+15 46.7	1.665	2.650	0.7	20.1
2 11	8 49.24	+16 22.9	1.678	2.653	4.2	20.4
2 21	8 41.32	+16 55.1	1.719	2.656	8.5	20.7
3 2	8 35.32	+17 20.1	1.785	2.660	12.3	20.9
3 12	8 31.84	+17 36.0	1.873	2.663	15.5	21.1

490663 2010 HH_{61} 2 1.6 187°.06 0°.2/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 23.87	+15 6.8	2.176	3.014	11.5	22.6
1 12	9 16.97	+15 28.5	2.098	3.014	8.2	22.4
1 22	9 8.18	+15 57.2	2.047	3.013	4.4	22.1
2 1	8 58.24	+16 29.2	2.026	3.011	0.4	21.8
2 11	8 48.16	+17 0.4	2.035	3.008	3.8	22.1
2 21	8 38.93	+17 27.1	2.075	3.005	7.7	22.3
3 2	8 31.41	+17 47.2	2.141	3.001	11.2	22.5
3 12	8 26.19	+17 59.4	2.230	2.996	14.1	22.7

191978 2005 WB_{60} 2 1.6 57°.16 1°.4/ 1.1 18

1 2	9 27.19	+19 29.9	1.204	2.073	16.8	19.8
1 12	9 20.08	+19 44.3	1.159	2.089	11.8	19.5
1 22	9 10.01	+20 3.7	1.136	2.106	6.2	19.3
2 1	8 58.35	+20 21.7	1.138	2.123	1.4	19.0
2 11	8 46.90	+20 32.1	1.167	2.140	6.0	19.4
2 21	8 37.32	+20 31.8	1.221	2.157	11.2	19.7
3 2	8 30.79	+20 20.4	1.297	2.175	15.8	20.0
3 12	8 27.82	+19 58.8	1.393	2.193	19.4	20.3

384178 2009 BK_{52} 2 1.6 353°.04 4°.3/30.6 18

1 2	9 26.58	+30 3.6	1.956	2.810	11.9	20.0
1 12	9 19.05	+30 7.6	1.888	2.807	8.7	19.8
1 22	9 9.30	+30 4.5	1.846	2.805	5.6	19.6
2 1	8 58.31	+29 49.4	1.832	2.803	4.3	19.5
2 11	8 47.37	+29 19.1	1.848	2.801	6.5	19.7
2 21	8 37.70	+28 33.9	1.892	2.800	9.7	19.9
3 2	8 30.26	+27 36.1	1.961	2.799	12.9	20.1
3 12	8 25.60	+26 29.1	2.051	2.799	15.7	20.3

428394 2007 SS_{8} 2 1.6 98°.99 3°.4/ 4.5 18

1 2	9 17.68	+ 3 59.9	2.328	3.137	11.9	21.5
1 12	9 12.44	+ 4 19.5	2.259	3.148	9.1	21.4
1 22	9 5.71	+ 4 53.9	2.214	3.158	6.0	21.2
2 1	8 58.10	+ 5 41.2	2.198	3.169	3.6	21.1
2 11	8 50.43	+ 6 37.4	2.212	3.180	4.1	21.1
2 21	8 43.49	+ 7 38.0	2.255	3.190	6.8	21.3
3 2	8 37.95	+ 8 38.2	2.325	3.200	9.8	21.5
3 12	8 34.31	+ 9 34.1	2.419	3.210	12.4	21.7

239786 2010 CU_{166} 2 1.6 341°.56 0°.0/ 1.6 18

1 2	9 19.19	+15 46.6	1.894	2.747	12.3	20.6
1 12	9 13.91	+16 8.0	1.820	2.742	8.7	20.4
1 22	9 6.64	+16 37.3	1.770	2.738	4.7	20.1
2 1	8 58.16	+17 10.4	1.749	2.734	0.3	19.8
2 11	8 49.53	+17 42.5	1.757	2.731	4.1	20.1
2 21	8 41.79	+18 9.7	1.792	2.727	8.3	20.3
3 2	8 35.87	+18 29.2	1.853	2.725	12.0	20.5
3 12	8 32.36	+18 39.6	1.935	2.722	15.2	20.7

96202 1992 RR_{7} 2 1.6 152°.45 1°.1/31.9 18

1 2	9 24.23	+18 1.3	1.966	2.814	12.2	20.7
1 12	9 17.34	+18 45.8	1.902	2.823	8.5	20.5
1 22	9 8.40	+19 36.0	1.863	2.831	4.5	20.3
2 1	8 58.27	+20 26.4	1.855	2.839	1.1	20.1
2 11	8 48.07	+21 11.4	1.876	2.846	4.5	20.3
2 21	8 38.88	+21 46.9	1.926	2.852	8.5	20.6
3 2	8 31.64	+22 10.9	2.003	2.858	12.0	20.8
3 12	8 26.92	+22 23.1	2.101	2.863	15.0	21.0

339451 2005 EF_{193} 2 1.6 221°.73 3°.4/ 4.5 17

1 2	9 17.52	+ 3 48.2	2.384	3.191	11.7	21.9
1 12	9 12.41	+ 4 6.0	2.299	3.187	9.0	21.7
1 22	9 5.74	+ 4 39.0	2.239	3.182	6.0	21.5
2 1	8 58.11	+ 5 25.3	2.207	3.178	3.7	21.4
2 11	8 50.32	+ 6 21.5	2.206	3.173	4.2	21.4
2 21	8 43.15	+ 7 23.0	2.233	3.168	6.9	21.6
3 2	8 37.33	+ 8 25.1	2.288	3.163	9.9	21.7
3 12	8 33.40	+ 9 23.6	2.367	3.158	12.6	21.9

381614 2008 WY_{80} 2 1.6 102°.07 3°.6/29.7 18

1 2	9 20.72	+25 44.8	2.203	3.060	10.6	21.2
1 12	9 14.79	+26 53.1	2.147	3.071	7.6	21.0
1 22	9 7.02	+28 0.7	2.119	3.081	4.6	20.9
2 1	8 58.19	+29 1.1	2.119	3.091	3.7	20.8
2 11	8 49.30	+29 48.9	2.150	3.101	5.9	21.0
2 21	8 41.33	+30 21.2	2.209	3.110	8.9	21.2
3 2	8 35.11	+30 37.2	2.292	3.120	11.7	21.4
3 12	8 31.17	+30 38.3	2.397	3.130	14.1	21.6

216558 2001 VF_{47} 2 1.6 47°.92 3°.1/ 3.2 18

1 2	9 24.00	+ 9 23.0	1.420	2.263	16.2	18.8
1 12	9 17.31	+ 9 10.0	1.380	2.292	11.8	18.6
1 22	9 8.35	+ 9 12.3	1.363	2.322	7.1	18.4
2 1	8 58.27	+ 9 27.2	1.372	2.352	3.3	18.3
2 11	8 48.44	+ 9 50.0	1.409	2.383	5.1	18.5
2 21	8 40.13	+10 15.8	1.472	2.413	9.3	18.8
3 2	8 34.24	+10 40.2	1.560	2.444	13.2	19.1
3 12	8 31.25	+10 59.9	1.668	2.475	16.4	19.4

293877 2007 RL_{272} 2 1.6 49°.62 2°.8/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 22.19	+ 9 30.6	1.359	2.208	16.5	20.3
1 12	9 16.37	+ 9 36.2	1.304	2.220	12.1	20.0
1 22	9 8.04	+ 9 58.8	1.271	2.232	7.2	19.8
2 1	8 58.26	+10 34.6	1.264	2.245	3.0	19.6
2 11	8 48.47	+11 17.8	1.283	2.258	5.1	19.7
2 21	8 40.07	+12 1.9	1.329	2.272	9.8	20.0
3 2	8 34.14	+12 41.7	1.398	2.285	14.2	20.3
3 12	8 31.28	+13 13.3	1.487	2.299	17.8	20.6

92812 2000 QY_{169} 2 1.6 33°.23 5°.7/ 4.9 18

1 2	9 19.40	+ 3 8.2	1.141	1.985	19.3	19.1
1 12	9 14.67	+ 3 10.6	1.092	1.998	14.9	18.8
1 22	9 7.22	+ 3 41.1	1.063	2.013	10.0	18.6
2 1	8 58.21	+ 4 37.1	1.056	2.029	6.2	18.4
2 11	8 49.21	+ 5 51.1	1.074	2.045	6.8	18.5
2 21	8 41.72	+ 7 13.1	1.116	2.063	10.9	18.8
3 2	8 36.89	+ 8 33.2	1.181	2.081	15.2	19.1
3 12	8 35.34	+ 9 43.8	1.265	2.100	19.0	19.4

372503 2009 SE_{277} 2 1.6 17°.55 3°.9/30.4 18

1 2	9 22.01	+24 58.1	1.534	2.404	13.7	20.5
1 12	9 16.26	+25 45.8	1.478	2.408	9.7	20.3
1 22	9 7.99	+26 33.3	1.446	2.412	5.7	20.1
2 1	8 58.26	+27 12.9	1.440	2.417	4.0	20.0
2 11	8 48.49	+27 38.1	1.462	2.422	6.9	20.2
2 21	8 40.06	+27 45.9	1.509	2.428	10.9	20.4
3 2	8 34.07	+27 36.3	1.580	2.435	14.7	20.6
3 12	8 31.12	+27 11.6	1.670	2.442	17.8	20.9

256248 2006 WD_{27} 2 1.6 78°.63 2°.4/31.2 18 R

1 2	9 24.04	+21 28.1	1.684	2.544	13.2	20.2
1 12	9 17.35	+22 12.7	1.635	2.562	9.2	20.0
1 22	9 8.42	+22 59.7	1.612	2.580	5.0	19.8
2 1	8 58.29	+23 42.5	1.617	2.598	2.4	19.7
2 11	8 48.24	+24 15.3	1.650	2.616	5.5	19.9
2 21	8 39.51	+24 34.7	1.711	2.634	9.6	20.2
3 2	8 33.05	+24 40.2	1.796	2.652	13.2	20.5
3 12	8 29.38	+24 32.8	1.902	2.669	16.1	20.7

140459 2001 TO_{127} 2 1.6 172°.46 0°.7/ 1.2 18

1 2	9 22.28	+17 29.1	1.984	2.833	12.0	20.9
1 12	9 16.00	+18 1.1	1.913	2.835	8.4	20.7
1 22	9 7.72	+18 39.1	1.868	2.836	4.4	20.4
2 1	8 58.25	+19 18.4	1.853	2.838	0.7	20.1
2 11	8 48.66	+19 54.1	1.867	2.838	4.3	20.4
2 21	8 40.02	+20 22.3	1.910	2.839	8.3	20.6
3 2	8 33.22	+20 40.9	1.978	2.839	11.9	20.9
3 12	8 28.86	+20 49.2	2.069	2.839	14.9	21.1

37490 1082 $T\text{-}_{2}$ 2 1.6 147°.92 0°.8/ 2.3 18

1 2	9 20.89	+12 44.9	2.238	3.074	11.3	19.9
1 12	9 14.78	+13 12.4	2.169	3.082	8.1	19.7
1 22	9 6.99	+13 48.7	2.126	3.089	4.5	19.5
2 1	8 58.22	+14 30.4	2.112	3.096	0.9	19.2
2 11	8 49.36	+15 13.2	2.129	3.103	3.5	19.4
2 21	8 41.32	+15 53.1	2.175	3.109	7.2	19.7
3 2	8 34.87	+16 27.1	2.249	3.115	10.5	19.9
3 12	8 30.52	+16 53.4	2.345	3.120	13.2	20.1

425070 2009 RL_{43} 2 1.6 141°.87 0°.3/ 1.9 16

1 2	9 22.09	+15 10.4	1.967	2.813	12.3	21.9
1 12	9 15.83	+15 25.0	1.898	2.816	8.7	21.7
1 22	9 7.61	+15 47.0	1.854	2.820	4.7	21.5
2 1	8 58.26	+16 12.7	1.838	2.823	0.5	21.2
2 11	8 48.81	+16 38.0	1.852	2.826	4.0	21.5
2 21	8 40.32	+16 59.3	1.895	2.829	8.0	21.7
3 2	8 33.67	+17 14.3	1.964	2.832	11.6	21.9
3 12	8 29.43	+17 21.6	2.055	2.835	14.7	22.1

402609 2006 SB_{218} 2 1.6 79°.04 1°.3/31.9 18

1 2	9 25.50	+18 44.3	1.692	2.546	13.5	21.5
1 12	9 18.22	+19 20.3	1.651	2.574	9.4	21.3
1 22	9 8.81	+20 0.6	1.634	2.602	4.9	21.1
2 1	8 58.32	+20 39.5	1.646	2.630	1.3	20.9
2 11	8 48.04	+21 11.5	1.687	2.658	4.8	21.2
2 21	8 39.14	+21 33.2	1.756	2.685	9.0	21.5
3 2	8 32.51	+21 43.5	1.851	2.711	12.6	21.8
3 12	8 28.62	+21 42.9	1.966	2.737	15.5	22.0

288811 2004 RP_{170} 2 1.6 168°.70 0°.8/ 2.1 18

1 2	9 24.70	+13 22.9	1.873	2.712	13.1	21.6
1 12	9 17.75	+13 45.1	1.802	2.717	9.4	21.4
1 22	9 8.68	+14 17.0	1.756	2.721	5.1	21.1
2 1	8 58.33	+14 54.6	1.739	2.724	0.9	20.8
2 11	8 47.86	+15 33.0	1.753	2.727	4.1	21.1
2 21	8 38.40	+16 7.7	1.795	2.728	8.4	21.3
3 2	8 30.92	+16 35.5	1.863	2.729	12.2	21.6
3 12	8 26.05	+16 54.8	1.953	2.730	15.4	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
429290 2010 CZ_{150}			2 1.6	86°.62	0°.4/ 1.3	18
	h m	° ′			°	m
1 2	9 18.42	+15 15.9	2.138	2.986	11.3	20.6
1 12	9 13.19	+16 10.8	2.069	2.990	8.0	20.4
1 22	9 6.21	+17 14.2	2.025	2.993	4.2	20.2
2 1	8 58.18	+18 21.1	2.012	2.997	0.4	19.9
2 11	8 50.02	+19 25.8	2.028	3.000	3.9	20.2
2 21	8 42.65	+20 23.4	2.073	3.004	7.7	20.4
3 2	8 36.88	+21 10.5	2.145	3.007	11.0	20.6
3 12	8 33.26	+21 45.6	2.239	3.011	13.8	20.8
421097 2013 QD_{57}			2 1.6	48°.85	3°.0/30.7	18
1 2	9 21.93	+23 29.3	1.840	2.701	12.2	20.7
1 12	9 15.92	+24 16.6	1.777	2.704	8.6	20.5
1 22	9 7.73	+25 5.2	1.740	2.707	4.9	20.3
2 1	8 58.28	+25 48.5	1.731	2.710	3.1	20.2
2 11	8 48.73	+26 20.9	1.751	2.713	5.8	20.3
2 21	8 40.28	+26 39.1	1.799	2.716	9.6	20.6
3 2	8 33.87	+26 42.3	1.870	2.720	13.0	20.8
3 12	8 30.12	+26 31.8	1.963	2.723	15.9	21.0
522577 2016 EH_{245}			2 1.6	41°.26	2°.5/30.6	18
1 2	9 19.54	+20 44.3	1.930	2.790	11.8	20.8
1 12	9 14.20	+22 0.8	1.865	2.792	8.2	20.6
1 22	9 6.83	+23 22.5	1.826	2.794	4.5	20.3
2 1	8 58.22	+24 42.0	1.816	2.796	2.6	20.2
2 11	8 49.45	+25 52.3	1.836	2.798	5.5	20.4
2 21	8 41.58	+26 48.2	1.883	2.801	9.2	20.6
3 2	8 35.57	+27 27.4	1.956	2.803	12.6	20.8
3 12	8 32.02	+27 49.9	2.049	2.806	15.4	21.0
137998 2000 CK_{80}			2 1.6	345°.18	3°.6/31.5	18
1 2	9 30.45	+26 49.2	1.460	2.321	14.8	18.7
1 12	9 22.34	+26 36.5	1.392	2.317	10.7	18.4
1 22	9 11.28	+26 17.7	1.348	2.313	6.2	18.2
2 1	8 58.50	+25 47.1	1.331	2.310	3.6	18.0
2 11	8 45.74	+25 1.7	1.342	2.307	6.7	18.2
2 21	8 34.66	+24 2.2	1.380	2.305	11.2	18.4
3 2	8 26.50	+22 52.0	1.442	2.303	15.5	18.7
3 12	8 21.88	+21 35.4	1.524	2.302	19.0	18.9
57171 2001 QT_{20}			2 1.6	80°.29	1°.5/31.9	18
1 2	9 28.74	+19 25.6	1.388	2.247	15.6	18.6
1 12	9 20.82	+19 50.2	1.346	2.272	10.9	18.4
1 22	9 10.29	+20 19.1	1.328	2.297	5.7	18.2
2 1	8 58.43	+20 45.7	1.338	2.322	1.5	18.0
2 11	8 46.86	+21 4.4	1.375	2.346	5.6	18.3
2 21	8 37.03	+21 12.0	1.439	2.370	10.3	18.6
3 2	8 30.00	+21 8.1	1.527	2.394	14.4	18.9
3 12	8 26.25	+20 53.7	1.635	2.417	17.7	19.2
429047 2009 DK_{2}			2 1.6	9°.68	0°.4/ 1.9	18
1 2	9 17.44	+13 26.3	1.973	2.822	12.1	21.0
1 12	9 12.60	+14 5.2	1.903	2.823	8.6	20.7
1 22	9 5.94	+14 54.4	1.858	2.824	4.7	20.5
2 1	8 58.18	+15 49.5	1.842	2.826	0.6	20.2
2 11	8 50.29	+16 45.2	1.854	2.829	3.8	20.5
2 21	8 43.24	+17 36.3	1.895	2.831	7.8	20.7
3 2	8 37.87	+18 19.3	1.961	2.835	11.4	20.9
3 12	8 34.74	+18 51.8	2.050	2.838	14.4	21.1
133133 2003 PH_{9}			2 1.6	143°.24	0°.9/ 2.2	18
1 2	9 23.20	+12 41.9	1.742	2.586	13.7	20.6
1 12	9 16.80	+13 10.1	1.676	2.593	9.8	20.3
1 22	9 8.21	+13 49.8	1.634	2.599	5.4	20.1
2 1	8 58.32	+14 36.3	1.621	2.605	1.1	19.8
2 11	8 48.33	+15 24.2	1.636	2.611	4.3	20.0
2 21	8 39.42	+16 8.2	1.680	2.616	8.7	20.3
3 2	8 32.56	+16 44.4	1.750	2.621	12.6	20.6
3 12	8 28.38	+17 10.9	1.840	2.626	15.9	20.8
211866 2004 GO_{41}			2 1.6	331°.89	7°.3/28.2	18
1 2	9 25.74	+37 19.1	1.931	2.781	12.3	19.6
1 12	9 18.79	+38 1.2	1.865	2.770	9.7	19.4
1 22	9 9.32	+38 31.8	1.824	2.761	7.7	19.3
2 1	8 58.39	+38 43.1	1.810	2.751	7.5	19.2
2 11	8 47.40	+38 30.7	1.823	2.742	9.2	19.3
2 21	8 37.73	+37 54.3	1.862	2.734	11.8	19.5
3 2	8 30.48	+36 56.8	1.923	2.726	14.6	19.6
3 12	8 26.26	+35 43.4	2.004	2.719	17.0	19.8
165793 2001 RQ_{33}			2 1.6	89°.27	0°.0/ 1.6	18
1 2	9 21.40	+16 43.7	2.235	3.080	11.0	19.4
1 12	9 15.12	+16 49.0	2.170	3.088	7.8	19.2
1 22	9 7.16	+16 59.1	2.130	3.097	4.1	19.0
2 1	8 58.26	+17 11.0	2.120	3.105	0.3	18.7
2 11	8 49.35	+17 21.5	2.141	3.114	3.6	19.0
2 21	8 41.33	+17 28.2	2.190	3.122	7.2	19.2
3 2	8 34.94	+17 29.6	2.267	3.131	10.5	19.4
3 12	8 30.69	+17 25.0	2.366	3.139	13.1	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
95339 2002 CW_{127}			2 1.6	245°.39	1°.0/ 2.4	17
	h m	° ′			°	m
1 2	9 20.36	+12 23.5	2.118	2.955	11.8	20.4
1 12	9 14.64	+12 45.5	2.031	2.945	8.5	20.2
1 22	9 7.05	+13 17.6	1.971	2.934	4.8	19.9
2 1	8 58.26	+13 56.5	1.939	2.923	1.2	19.6
2 11	8 49.23	+14 38.0	1.937	2.912	3.8	19.8
2 21	8 40.94	+15 17.8	1.965	2.900	7.7	20.0
3 2	8 34.26	+15 52.3	2.018	2.888	11.3	20.2
3 12	8 29.82	+16 19.3	2.095	2.876	14.4	20.4
108780 2001 OT_{58}			2 1.6	150°.98	2°.6/ 3.8	18
1 2	9 20.08	+ 5 54.7	2.148	2.964	12.5	19.8
1 12	9 14.30	+ 6 39.8	2.074	2.971	9.3	19.6
1 22	9 6.79	+ 7 40.9	2.026	2.979	5.8	19.4
2 1	8 58.25	+ 8 54.2	2.007	2.985	2.8	19.2
2 11	8 49.57	+10 14.5	2.019	2.991	3.9	19.3
2 21	8 41.68	+11 35.6	2.060	2.997	7.3	19.5
3 2	8 35.36	+12 52.0	2.129	3.002	10.7	19.7
3 12	8 31.18	+13 59.8	2.222	3.007	13.6	19.9
236921 2007 TE_{146}			2 1.7	116°.05	4°.0/29.6	18
1 2	9 22.07	+28 49.3	2.335	3.189	10.2	20.5
1 12	9 15.68	+29 35.3	2.277	3.196	7.4	20.3
1 22	9 7.50	+30 17.6	2.245	3.203	4.9	20.2
2 1	8 58.30	+30 50.8	2.243	3.209	4.1	20.2
2 11	8 49.08	+31 10.8	2.270	3.216	6.0	20.3
2 21	8 40.80	+31 15.7	2.326	3.222	8.7	20.5
3 2	8 34.27	+31 6.0	2.406	3.229	11.4	20.7
3 12	8 29.99	+30 43.6	2.508	3.235	13.7	20.8
203557 2002 CV_{99}			2 1.7	321°.77	2°.2/31.5	18
1 2	9 22.30	+19 55.5	1.321	2.193	15.4	20.4
1 12	9 16.93	+20 35.8	1.250	2.182	10.9	20.1
1 22	9 8.62	+21 23.4	1.201	2.171	5.8	19.7
2 1	8 58.39	+22 10.7	1.178	2.161	2.2	19.5
2 11	8 47.81	+22 49.5	1.181	2.152	6.4	19.7
2 21	8 38.54	+23 14.3	1.210	2.143	11.6	20.0
3 2	8 31.96	+23 22.7	1.260	2.135	16.3	20.2
3 12	8 28.87	+23 15.2	1.329	2.127	20.3	20.5
484667 2008 UM_{52}			2 1.7	110°.15	5°.7/29.4	18
1 2	9 27.28	+28 25.9	1.532	2.396	14.1	21.3
1 12	9 20.04	+29 40.9	1.484	2.408	10.2	21.1
1 22	9 10.05	+30 51.7	1.460	2.419	6.8	20.9
2 1	8 58.47	+31 48.3	1.464	2.431	5.8	20.9
2 11	8 46.92	+32 23.5	1.495	2.442	8.4	21.1
2 21	8 36.92	+32 34.7	1.552	2.452	12.0	21.3
3 2	8 29.66	+32 23.7	1.632	2.463	15.5	21.6
3 12	8 25.74	+31 54.6	1.730	2.473	18.4	21.8
381644 2008 YD_{139}			2 1.7	352°.23	0°.1/ 1.7	18
1 2	9 18.26	+15 7.7	1.848	2.702	12.5	20.6
1 12	9 13.31	+15 35.0	1.776	2.699	8.9	20.4
1 22	9 6.38	+16 11.3	1.728	2.696	4.8	20.1
2 1	8 58.25	+16 52.3	1.708	2.693	0.3	19.8
2 11	8 49.96	+17 32.7	1.717	2.691	4.1	20.1
2 21	8 42.56	+18 8.2	1.753	2.690	8.4	20.3
3 2	8 36.99	+18 35.5	1.814	2.689	12.1	20.6
3 12	8 33.84	+18 52.9	1.897	2.688	15.3	20.8
269112 2007 JZ_{37}			2 1.7	221°.84	1°.7/31.4	17
1 2	9 21.75	+21 9.3	2.354	3.203	10.4	21.8
1 12	9 15.50	+21 45.5	2.273	3.195	7.3	21.6
1 22	9 7.46	+22 24.3	2.219	3.186	3.9	21.4
2 1	8 58.32	+23 1.2	2.196	3.177	1.8	21.2
2 11	8 48.99	+23 31.8	2.202	3.168	4.4	21.4
2 21	8 40.41	+23 53.2	2.238	3.158	7.8	21.6
3 2	8 33.41	+24 3.8	2.301	3.148	11.0	21.8
3 12	8 28.57	+24 3.7	2.386	3.137	13.7	22.0
148123 1999 TF_{161}			2 1.7	170°.53	0°.7/ 1.3	18
1 2	9 27.08	+17 15.2	1.645	2.495	14.0	21.1
1 12	9 19.71	+17 44.2	1.577	2.499	9.9	20.8
1 22	9 9.85	+18 20.4	1.534	2.502	5.2	20.6
2 1	8 58.48	+18 58.1	1.520	2.505	0.7	20.2
2 11	8 46.99	+19 31.3	1.534	2.507	4.9	20.5
2 21	8 36.72	+19 55.8	1.577	2.508	9.6	20.8
3 2	8 28.81	+20 9.5	1.645	2.508	13.8	21.1
3 12	8 23.92	+20 12.2	1.733	2.508	17.2	21.3
408906 2001 VO_{82}			2 1.7	26°.73	7°.6/ 6.2	18
1 2	9 18.64	− 1 16.0	1.408	2.222	18.0	20.3
1 12	9 13.86	− 1 43.3	1.351	2.232	14.4	20.1
1 22	9 6.76	− 1 43.6	1.313	2.243	10.8	19.9
2 1	8 58.30	− 1 16.5	1.299	2.255	8.0	19.8
2 11	8 49.78	− 0 25.9	1.311	2.268	8.0	19.8
2 21	8 42.44	+ 0 41.0	1.347	2.281	10.5	20.0
3 2	8 37.33	+ 1 55.5	1.406	2.296	14.0	20.2
3 12	8 35.06	+ 3 9.2	1.486	2.311	17.2	20.5

77746 2001 OZ_{107} 2 1.7 120°.96 1°.3/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 20.44	+11 57.1	2.581	3.409	10.3	19.0
1 12	9 14.27	+11 57.6	2.513	3.421	7.4	18.8
1 22	9 6.68	+12 5.4	2.473	3.433	4.3	18.6
2 1	8 58.30	+12 18.4	2.462	3.445	1.5	18.4
2 11	8 49.90	+12 34.0	2.483	3.456	3.2	18.6
2 21	8 42.24	+12 49.7	2.533	3.467	6.3	18.8
3 2	8 35.97	+13 3.4	2.612	3.478	9.2	19.0
3 12	8 31.52	+13 13.3	2.714	3.488	11.6	19.2

6704 1988 CJ 2 1.7 276°.19 1°.3/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.74	+12 31.3	1.923	2.765	12.6	17.4
1 12	9 15.01	+12 42.2	1.845	2.760	9.1	17.1
1 22	9 7.29	+13 3.3	1.793	2.756	5.2	16.9
2 1	8 58.34	+13 31.4	1.768	2.752	1.4	16.6
2 11	8 49.22	+14 2.3	1.773	2.748	4.0	16.8
2 21	8 40.97	+14 32.0	1.806	2.744	8.1	17.0
3 2	8 34.52	+14 57.2	1.865	2.739	11.8	17.3
3 12	8 30.47	+15 15.5	1.946	2.735	15.0	17.5

139964 2001 SH_7 2 1.7 5°.80 0°.1/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.37	+15 8.0	1.832	2.686	12.6	19.3
1 12	9 13.38	+15 36.2	1.763	2.687	8.9	19.1
1 22	9 6.42	+16 13.4	1.720	2.687	4.8	18.8
2 1	8 58.28	+16 55.1	1.704	2.689	0.3	18.5
2 11	8 50.02	+17 36.0	1.716	2.691	4.1	18.8
2 21	8 42.70	+18 11.7	1.757	2.693	8.3	19.1
3 2	8 37.21	+18 39.1	1.822	2.696	12.1	19.3
3 12	8 34.14	+18 56.4	1.909	2.700	15.2	19.5

318816 2005 SR_{181} 2 1.7 149°.87 1°.4/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.34	+11 52.0	1.858	2.699	13.1	20.8
1 12	9 15.44	+12 5.2	1.786	2.701	9.5	20.5
1 22	9 7.51	+12 29.6	1.739	2.702	5.4	20.3
2 1	8 58.36	+13 1.7	1.720	2.703	1.6	20.0
2 11	8 49.07	+13 37.1	1.729	2.704	4.1	20.2
2 21	8 40.72	+14 11.4	1.767	2.705	8.2	20.5
3 2	8 34.25	+14 40.9	1.831	2.706	12.0	20.7
3 12	8 30.26	+15 3.3	1.917	2.707	15.2	20.9

343956 2011 KD_{33} 2 1.7 143°.87 8°.9/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 17.15	−16 39.7	2.609	3.284	14.0	21.2
1 12	9 12.08	−16 49.9	2.529	3.290	12.4	21.0
1 22	9 5.59	−16 35.3	2.468	3.295	10.8	20.9
2 1	8 58.23	−15 54.5	2.431	3.299	9.4	20.8
2 11	8 50.77	−14 48.9	2.420	3.304	8.9	20.8
2 21	8 43.93	−13 22.5	2.435	3.308	9.4	20.9
3 2	8 38.38	−11 41.4	2.477	3.312	10.7	20.9
3 12	8 34.60	− 9 52.8	2.543	3.316	12.3	21.1

152536 4265 $P\text{–}L$ 2 1.7 92°.39 0°.6/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.82	+17 14.6	1.904	2.754	12.4	20.5
1 12	9 16.32	+17 44.8	1.849	2.771	8.7	20.3
1 22	9 7.88	+18 20.9	1.820	2.788	4.5	20.1
2 1	8 58.38	+18 58.0	1.820	2.805	0.6	19.9
2 11	8 48.91	+19 31.2	1.849	2.821	4.2	20.2
2 21	8 40.54	+19 56.9	1.907	2.837	8.2	20.4
3 2	8 34.11	+20 13.2	1.990	2.853	11.7	20.7
3 12	8 30.14	+20 19.7	2.095	2.869	14.6	20.9

494734 2005 UC_{133} 2 1.7 167°.66 1°.4/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.39	+10 57.8	2.376	3.203	11.1	22.3
1 12	9 15.11	+11 18.3	2.301	3.208	8.0	22.1
1 22	9 7.21	+11 48.4	2.253	3.212	4.6	21.9
2 1	8 58.34	+12 25.0	2.234	3.216	1.5	21.7
2 11	8 49.37	+13 4.7	2.246	3.219	3.4	21.8
2 21	8 41.15	+13 43.4	2.288	3.222	6.9	22.0
3 2	8 34.41	+14 18.3	2.358	3.224	10.0	22.3
3 12	8 29.68	+14 47.0	2.451	3.225	12.7	22.4

425477 2010 ET_{135} 2 1.7 259°.29 1°.5/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.91	+20 27.0	2.520	3.368	9.8	21.8
1 12	9 14.18	+21 1.2	2.430	3.352	6.9	21.6
1 22	9 6.78	+21 38.6	2.368	3.335	3.7	21.3
2 1	8 58.32	+22 15.2	2.335	3.318	1.5	21.1
2 11	8 49.64	+22 46.9	2.333	3.300	4.1	21.3
2 21	8 41.58	+23 10.7	2.361	3.282	7.4	21.5
3 2	8 34.93	+23 24.8	2.415	3.264	10.4	21.6
3 12	8 30.26	+23 29.0	2.492	3.246	13.1	21.8

249011 2007 RO_6 2 1.7 110°.95 0°.0/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.29	+15 47.3	1.830	2.673	13.1	21.2
1 12	9 18.75	+16 10.1	1.777	2.695	9.3	21.0
1 22	9 9.16	+16 39.8	1.750	2.717	4.9	20.8
2 1	8 58.47	+17 11.8	1.752	2.737	0.3	20.5
2 11	8 47.88	+17 41.2	1.784	2.758	4.2	20.8
2 21	8 38.53	+18 4.5	1.846	2.777	8.4	21.1
3 2	8 31.29	+18 19.8	1.933	2.796	12.0	21.4
3 12	8 26.68	+18 26.3	2.042	2.814	15.0	21.6

489501 2007 LD_{17} 2 1.7 242°.97 0°.1/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.41	+15 23.0	1.742	2.589	13.5	22.6
1 12	9 17.97	+15 57.7	1.654	2.574	9.7	22.4
1 22	9 9.05	+16 42.8	1.591	2.558	5.2	22.1
2 1	8 58.48	+17 32.9	1.557	2.542	0.3	21.7
2 11	8 47.49	+18 21.9	1.551	2.525	4.7	22.0
2 21	8 37.40	+19 4.3	1.574	2.507	9.5	22.2
3 2	8 29.38	+19 36.4	1.622	2.488	13.8	22.4
3 12	8 24.25	+19 56.6	1.691	2.469	17.4	22.6

81851 2000 KO_{60} 2 1.7 176°.93 3°.1/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.45	+23 28.2	2.096	2.951	11.2	19.7
1 12	9 16.19	+24 36.6	2.029	2.953	7.9	19.4
1 22	9 7.91	+25 46.8	1.990	2.954	4.6	19.2
2 1	8 58.41	+26 52.1	1.979	2.955	3.2	19.2
2 11	8 48.74	+27 46.4	1.999	2.956	5.7	19.3
2 21	8 39.97	+28 25.7	2.047	2.955	9.1	19.5
3 2	8 33.03	+28 48.8	2.120	2.955	12.2	19.7
3 12	8 28.53	+28 56.5	2.214	2.954	14.9	19.9

128414 2004 LO_{18} 2 1.7 116°.48 6°.4/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.92	+30 52.9	1.945	2.803	11.8	19.3
1 12	9 17.55	+33 9.8	1.897	2.813	8.9	19.1
1 22	9 8.78	+35 22.4	1.877	2.823	6.7	19.0
2 1	8 58.47	+37 19.4	1.887	2.833	6.8	19.0
2 11	8 47.91	+38 52.4	1.925	2.842	9.0	19.2
2 21	8 38.37	+39 57.2	1.991	2.851	11.7	19.4
3 2	8 31.00	+40 34.3	2.080	2.860	14.4	19.6
3 12	8 26.50	+40 47.5	2.187	2.869	16.6	19.8

436249 2010 BM_{74} 2 1.7 1°.93 13°.0/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 38.32	+54 20.0	1.872	2.662	15.1	20.1
1 12	9 28.22	+55 16.1	1.832	2.661	13.7	20.0
1 22	9 14.44	+55 44.8	1.813	2.661	13.0	20.0
2 1	8 58.82	+55 36.4	1.817	2.661	13.2	20.0
2 11	8 43.73	+54 47.6	1.843	2.662	14.3	20.1
2 21	8 31.26	+53 22.2	1.891	2.664	15.8	20.2
3 2	8 22.70	+51 28.3	1.959	2.666	17.5	20.3
3 12	8 18.41	+49 15.7	2.043	2.669	19.0	20.5

301805 2011 MX_6 2 1.7 152°.56 1°.9/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.73	+18 44.3	1.749	2.602	13.2	21.4
1 12	9 18.00	+19 53.5	1.686	2.610	9.2	21.1
1 22	9 8.95	+21 9.5	1.650	2.618	4.9	20.9
2 1	8 58.50	+22 24.8	1.642	2.625	1.9	20.7
2 11	8 47.91	+23 31.7	1.664	2.631	5.4	20.9
2 21	8 38.45	+24 24.7	1.714	2.637	9.6	21.2
3 2	8 31.15	+25 1.4	1.789	2.641	13.4	21.4
3 12	8 26.67	+25 22.0	1.885	2.646	16.5	21.7

413063 2001 SC_{36} 2 1.7 117°.69 0°.2/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.21	+14 31.2	1.997	2.840	12.2	21.6
1 12	9 15.88	+15 5.8	1.936	2.854	8.6	21.4
1 22	9 7.68	+15 48.8	1.901	2.867	4.6	21.2
2 1	8 58.42	+16 35.5	1.895	2.880	0.4	20.9
2 11	8 49.13	+17 21.0	1.920	2.893	3.9	21.2
2 21	8 40.82	+18 0.9	1.973	2.906	7.9	21.4
3 2	8 34.32	+18 32.4	2.052	2.918	11.3	21.7
3 12	8 30.17	+18 54.2	2.154	2.929	14.2	21.9

32133 2000 LU_{16} 2 1.7 321°.24 7°.8/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.59	− 3 32.8	1.654	2.445	16.7	18.3
1 12	9 13.79	− 3 53.5	1.573	2.438	13.7	18.1
1 22	9 6.79	− 3 48.5	1.513	2.431	10.6	17.9
2 1	8 58.38	− 3 16.2	1.477	2.424	8.2	17.7
2 11	8 49.66	− 2 19.2	1.467	2.418	8.1	17.7
2 21	8 41.82	− 1 3.5	1.483	2.412	10.3	17.8
3 2	8 35.90	+ 0 22.6	1.524	2.406	13.5	18.0
3 12	8 32.62	+ 1 50.3	1.585	2.401	16.7	18.2

307606 2003 QS_{52} 2 1.7 83°.87 0°.5/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.89	+15 36.4	1.586	2.438	14.3	20.4
1 12	9 17.99	+16 28.2	1.543	2.465	10.0	20.2
1 22	9 8.84	+17 28.7	1.523	2.491	5.2	20.0
2 1	8 58.50	+18 31.1	1.532	2.517	0.5	19.7
2 11	8 48.30	+19 28.4	1.570	2.543	4.8	20.1
2 21	8 39.47	+20 15.3	1.636	2.568	9.2	20.4
3 2	8 32.96	+20 49.2	1.727	2.593	13.1	20.7
3 12	8 29.30	+21 9.6	1.838	2.617	16.2	21.0

256247 2006 WS_{26} 2 1.7 54°.37 2°.7/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.68	+21 22.5	1.545	2.411	13.9	20.3
1 12	9 16.69	+22 15.7	1.493	2.422	9.7	20.1
1 22	9 8.28	+23 12.6	1.465	2.433	5.3	19.9
2 1	8 58.47	+24 5.6	1.464	2.445	2.7	19.8
2 11	8 48.67	+24 47.6	1.490	2.457	6.0	20.0
2 21	8 40.19	+25 14.5	1.544	2.469	10.3	20.3
3 2	8 34.08	+25 25.2	1.621	2.481	14.1	20.5
3 12	8 30.93	+25 20.8	1.717	2.493	17.3	20.8

134250 2006 AU_{32} 2 1.7 10°.41 15°.1/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 49.75	+48 54.2	0.928	1.771	22.8	19.1
1 12	9 37.30	+48 37.0	0.886	1.774	19.4	18.9
1 22	9 19.33	+47 35.5	0.860	1.779	16.4	18.7
2 1	8 59.14	+45 35.2	0.856	1.786	15.1	18.7
2 11	8 40.80	+42 37.4	0.874	1.795	16.3	18.8
2 21	8 27.19	+38 59.9	0.914	1.806	19.1	19.0
3 2	8 19.44	+35 5.5	0.976	1.819	22.5	19.2
3 12	8 17.27	+31 13.1	1.055	1.834	25.6	19.5

193869 2001 QD_{153} 2 1.7 75°.14 0°.3/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.49	+15 19.3	1.343	2.200	16.1	20.1
1 12	9 19.43	+15 34.6	1.295	2.219	11.4	19.9
1 22	9 9.72	+15 59.6	1.270	2.238	6.1	19.6
2 1	8 58.57	+16 29.1	1.272	2.257	0.5	19.3
2 11	8 47.57	+16 56.8	1.300	2.275	5.1	19.7
2 21	8 38.18	+17 18.2	1.356	2.294	10.1	20.0
3 2	8 31.50	+17 30.7	1.435	2.312	14.5	20.3
3 12	8 28.08	+17 33.6	1.533	2.331	18.0	20.6

467688 2008 UX_{356} 2 1.7 110°.48 6°.8/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.75	+36 31.0	2.182	3.031	11.1	21.4
1 12	9 17.21	+37 47.5	2.131	3.035	8.7	21.2
1 22	9 8.49	+38 54.5	2.107	3.040	7.1	21.2
2 1	8 58.50	+39 44.6	2.110	3.044	7.1	21.2
2 11	8 48.42	+40 12.7	2.140	3.048	8.7	21.3
2 21	8 39.45	+40 17.4	2.197	3.052	11.0	21.4
3 2	8 32.56	+40 0.6	2.276	3.056	13.3	21.6
3 12	8 28.32	+39 26.2	2.375	3.060	15.3	21.8

143504 2003 DL_{17} 2 1.7 303°.92 1°.7/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.41	+10 53.2	2.248	3.083	11.3	19.8
1 12	9 13.20	+10 58.9	2.163	3.073	8.3	19.6
1 22	9 6.30	+11 14.3	2.104	3.064	4.9	19.4
2 1	8 58.36	+11 37.4	2.072	3.054	1.9	19.1
2 11	8 50.24	+12 4.9	2.071	3.045	3.6	19.2
2 21	8 42.80	+12 33.3	2.098	3.036	7.1	19.4
3 2	8 36.83	+12 59.5	2.153	3.027	10.5	19.6
3 12	8 32.90	+13 20.9	2.230	3.018	13.4	19.8

205307 2000 SD_{345} 2 1.7 335°.81 5°.8/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.13	+ 4 54.0	1.401	2.233	17.1	19.7
1 12	9 17.26	+ 4 11.4	1.329	2.229	13.2	19.4
1 22	9 8.73	+ 3 47.5	1.278	2.225	9.1	19.2
2 1	8 58.53	+ 3 43.3	1.252	2.222	6.0	19.0
2 11	8 48.06	+ 3 56.4	1.252	2.218	6.9	19.0
2 21	8 38.76	+ 4 22.4	1.278	2.216	10.7	19.2
3 2	8 31.87	+ 4 55.3	1.327	2.213	14.9	19.5
3 12	8 28.13	+ 5 28.9	1.395	2.211	18.6	19.7

257438 2010 OH_{98} 2 1.7 97°.57 6°.5/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.29	− 3 21.4	1.860	2.642	15.5	20.3
1 12	9 14.61	− 3 14.7	1.796	2.657	12.5	20.1
1 22	9 7.06	− 2 43.8	1.754	2.673	9.4	20.0
2 1	8 58.42	− 1 49.6	1.738	2.688	6.9	19.9
2 11	8 49.72	− 0 36.4	1.750	2.703	6.7	19.9
2 21	8 41.97	+ 0 49.0	1.789	2.717	8.9	20.0
3 2	8 36.02	+ 2 19.0	1.855	2.732	11.8	20.2
3 12	8 32.42	+ 3 46.4	1.944	2.746	14.6	20.5

132656 2002 LP_{54} 2 1.7 176°.01 4°.6/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.18	− 1 1.9	2.674	3.450	11.4	20.5
1 12	9 12.77	− 0 56.5	2.591	3.452	9.1	20.4
1 22	9 5.97	− 0 35.3	2.532	3.453	6.7	20.2
2 1	8 58.35	+ 0 1.0	2.502	3.455	4.9	20.1
2 11	8 50.60	+ 0 50.0	2.501	3.455	4.9	20.1
2 21	8 43.43	+ 1 47.7	2.530	3.456	6.8	20.2
3 2	8 37.49	+ 2 49.8	2.587	3.455	9.2	20.4
3 12	8 33.24	+ 3 51.8	2.669	3.455	11.5	20.5

375408 2008 SL_{268} 2 1.7 172°.66 5°.2/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.69	− 2 23.5	2.580	3.350	12.0	21.8
1 12	9 13.17	− 2 27.6	2.498	3.352	9.7	21.6
1 22	9 6.20	− 2 14.8	2.441	3.355	7.3	21.5
2 1	8 58.37	− 1 45.4	2.410	3.357	5.5	21.4
2 11	8 50.41	− 1 1.7	2.409	3.358	5.5	21.4
2 21	8 43.06	− 0 7.4	2.438	3.359	7.2	21.5
3 2	8 36.99	+ 0 52.9	2.494	3.359	9.6	21.6
3 12	8 32.68	+ 1 54.4	2.574	3.360	11.9	21.8

413082 2001 TQ_{102} 2 1.7 120°.85 1°.9/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.10	+ 9 55.7	2.060	2.889	12.5	21.3
1 12	9 15.74	+10 11.3	1.997	2.903	9.1	21.1
1 22	9 7.61	+10 38.3	1.959	2.917	5.3	20.9
2 1	8 58.46	+11 13.6	1.949	2.931	2.1	20.7
2 11	8 49.28	+11 53.2	1.970	2.944	3.8	20.9
2 21	8 41.04	+12 32.7	2.020	2.956	7.5	21.1
3 2	8 34.51	+13 8.7	2.097	2.968	10.9	21.4
3 12	8 30.24	+13 38.4	2.197	2.980	13.7	21.6

124348 2001 QF_{120} 2 1.7 50°.34 4°.0/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 26.42	+23 46.7	1.183	2.058	16.5	18.7
1 12	9 19.78	+24 32.9	1.140	2.073	11.7	18.5
1 22	9 10.04	+25 19.6	1.120	2.088	6.6	18.2
2 1	8 58.61	+25 57.2	1.124	2.104	4.0	18.1
2 11	8 47.37	+26 18.3	1.155	2.120	7.5	18.4
2 21	8 38.03	+26 20.0	1.209	2.136	12.3	18.7
3 2	8 31.82	+26 3.5	1.286	2.153	16.6	19.0
3 12	8 29.27	+25 31.9	1.380	2.170	20.1	19.3

424151 2007 GF_{35} 2 1.7 4°.18 6°.2/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.36	− 2 5.1	1.905	2.695	14.9	21.2
1 12	9 13.35	− 2 6.8	1.827	2.695	12.0	21.0
1 22	9 6.46	− 1 45.9	1.772	2.695	9.0	20.8
2 1	8 58.39	− 1 2.6	1.742	2.695	6.6	20.7
2 11	8 50.15	− 0 0.5	1.740	2.695	6.6	20.7
2 21	8 42.71	+ 1 14.7	1.765	2.695	8.8	20.8
3 2	8 36.96	+ 2 35.9	1.816	2.696	11.9	21.0
3 12	8 33.50	+ 3 56.3	1.890	2.696	14.8	21.2

143312 2003 AB_{47} 2 1.7 80°.42 2°.6/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.34	+21 31.2	1.701	2.560	13.2	19.2
1 12	9 17.60	+22 28.6	1.657	2.583	9.2	19.0
1 22	9 8.66	+23 28.3	1.638	2.606	5.0	18.8
2 1	8 58.53	+24 23.1	1.648	2.628	2.6	18.7
2 11	8 48.52	+25 6.7	1.686	2.651	5.7	18.9
2 21	8 39.82	+25 35.6	1.752	2.673	9.6	19.2
3 2	8 33.37	+25 48.9	1.843	2.694	13.1	19.4
3 12	8 29.69	+25 48.0	1.954	2.716	15.9	19.7

138141 2000 EV_{45} 2 1.7 320°.84 1°.2/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.40	+18 31.4	1.416	2.284	14.8	19.4
1 12	9 16.24	+18 56.3	1.336	2.267	10.5	19.1
1 22	9 8.31	+19 29.0	1.280	2.250	5.6	18.7
2 1	8 58.53	+20 3.7	1.249	2.234	1.2	18.4
2 11	8 48.34	+20 33.6	1.245	2.218	5.6	18.7
2 21	8 39.29	+20 53.5	1.267	2.203	10.9	18.9
3 2	8 32.69	+21 0.8	1.311	2.189	15.6	19.1
3 12	8 29.38	+20 55.0	1.374	2.176	19.5	19.4

146467 2001 RX_{63} 2 1.7 31°.67 10°.8/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.76	− 6 58.8	1.330	2.118	20.2	18.7
1 12	9 14.73	− 8 1.3	1.281	2.135	16.9	18.5
1 22	9 7.29	− 8 30.8	1.251	2.153	13.8	18.3
2 1	8 58.46	− 8 24.5	1.242	2.172	11.4	18.3
2 11	8 49.63	− 7 44.7	1.256	2.191	10.9	18.3
2 21	8 42.13	− 6 38.6	1.294	2.212	12.5	18.4
3 2	8 36.99	− 5 16.5	1.354	2.233	15.1	18.6
3 12	8 34.81	− 3 49.1	1.434	2.256	17.9	18.9

498562 2008 JW_{36} 2 1.7 212°.85 2°.6/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.29	+ 6 43.8	2.545	3.356	10.9	23.4
1 12	9 14.38	+ 6 58.8	2.454	3.348	8.2	23.2
1 22	9 6.90	+ 7 25.9	2.389	3.338	5.2	23.0
2 1	8 58.44	+ 8 3.1	2.353	3.329	2.8	22.9
2 11	8 49.77	+ 8 47.4	2.348	3.318	3.7	22.9
2 21	8 41.69	+ 9 34.8	2.373	3.307	6.7	23.1
3 2	8 34.92	+10 21.6	2.427	3.295	9.7	23.2
3 12	8 30.00	+11 4.7	2.505	3.283	12.4	23.4

109871 2001 RD_{151} 2 1.7 275°.62 0°.1/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.51	+14 38.1	2.312	3.155	10.7	19.4
1 12	9 13.38	+15 27.7	2.217	3.136	7.7	19.2
1 22	9 6.48	+16 26.8	2.149	3.116	4.1	18.9
2 1	8 58.43	+17 31.2	2.110	3.096	0.3	18.5
2 11	8 50.06	+18 35.6	2.102	3.075	3.7	18.8
2 21	8 42.27	+19 35.0	2.124	3.055	7.5	19.0
3 2	8 35.90	+20 25.8	2.172	3.034	10.9	19.2
3 12	8 31.59	+21 5.8	2.243	3.013	13.9	19.3

33368 1999 BD_{9} 2 1.7 233°.06 0°.2/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.03	+15 48.2	1.839	2.683	13.1	18.7
1 12	9 18.99	+15 59.2	1.752	2.670	9.4	18.5
1 22	9 9.58	+16 17.5	1.691	2.657	5.1	18.2
2 1	8 58.64	+16 39.3	1.658	2.643	0.4	17.8
2 11	8 47.36	+17 0.1	1.655	2.629	4.4	18.1
2 21	8 37.02	+17 16.1	1.681	2.613	9.0	18.3
3 2	8 28.72	+17 25.1	1.732	2.597	13.1	18.5
3 12	8 23.18	+17 26.0	1.805	2.581	16.5	18.7

415463 2014 MJ_{37} 2 1.7 237°.70 0°.6/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.32	+13 55.7	1.792	2.635	13.4	22.2
1 12	9 17.84	+14 17.7	1.706	2.622	9.6	22.0
1 22	9 8.99	+14 50.0	1.644	2.609	5.3	21.7
2 1	8 58.60	+15 28.6	1.610	2.595	0.8	21.3
2 11	8 47.84	+16 8.2	1.606	2.580	4.4	21.6
2 21	8 37.98	+16 44.0	1.630	2.565	9.0	21.8
3 2	8 30.12	+17 12.4	1.680	2.549	13.2	22.0
3 12	8 25.02	+17 31.4	1.751	2.533	16.8	22.2

309430 2007 TA_{446} 2 1.7 167°.08 0°.2/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 23.82	+14 41.1	1.843	2.687	13.0	22.1
1 12	9 17.26	+15 12.5	1.773	2.691	9.3	21.9
1 22	9 8.56	+15 53.0	1.728	2.694	5.0	21.7
2 1	8 58.56	+16 38.0	1.712	2.697	0.4	21.3
2 11	8 48.43	+17 21.9	1.726	2.700	4.2	21.6
2 21	8 39.30	+18 0.2	1.768	2.701	8.6	21.9
3 2	8 32.16	+18 29.7	1.836	2.703	12.4	22.1
3 12	8 27.63	+18 49.0	1.926	2.703	15.6	22.3

450987 2008 SA_{293} 2 1.7 168°.67 4°.9/29.8 18

1 2	9 28.84	+28 1.2	1.757	2.612	13.0	22.0
1 12	9 21.03	+29 1.2	1.696	2.616	9.4	21.8
1 22	9 10.63	+29 57.7	1.662	2.620	6.1	21.6
2 1	8 58.70	+30 42.6	1.655	2.624	5.0	21.5
2 11	8 46.68	+31 9.2	1.678	2.626	7.4	21.7
2 21	8 36.00	+31 15.3	1.727	2.628	11.0	21.9
3 2	8 27.79	+31 2.0	1.801	2.629	14.4	22.1
3 12	8 22.71	+30 32.7	1.895	2.629	17.2	22.3

331225 2011 BD_{74} 2 1.7 83°.44 1°.7/ 2.8 18

1 2	9 21.00	+11 0.9	1.900	2.738	13.0	21.3
1 12	9 15.12	+11 15.5	1.837	2.749	9.4	21.1
1 22	9 7.35	+11 41.5	1.798	2.759	5.4	20.9
2 1	8 58.48	+12 15.6	1.787	2.770	1.8	20.7
2 11	8 49.57	+12 53.4	1.806	2.781	3.9	20.9
2 21	8 41.64	+13 30.5	1.853	2.791	7.9	21.1
3 2	8 35.52	+14 3.2	1.926	2.802	11.5	21.4
3 12	8 31.77	+14 29.0	2.021	2.812	14.5	21.6

322711 2000 HQ_{20} 2 1.7 238°.38 7°.2/27.2 18

1 2	9 25.70	+35 8.6	1.959	2.811	12.0	20.5
1 12	9 18.93	+36 34.3	1.894	2.802	9.4	20.3
1 22	9 9.60	+37 52.2	1.855	2.793	7.5	20.2
2 1	8 58.64	+38 53.1	1.844	2.784	7.5	20.2
2 11	8 47.39	+39 30.2	1.860	2.774	9.4	20.3
2 21	8 37.27	+39 41.0	1.902	2.764	12.1	20.4
3 2	8 29.45	+39 27.2	1.966	2.754	14.8	20.6
3 12	8 24.66	+38 53.2	2.049	2.743	17.2	20.8

188559 2004 TJ_{69} 2 1.7 73°.08 1°.4/31.7 18

1 2	9 20.74	+18 35.1	1.867	2.724	12.3	19.8
1 12	9 15.07	+19 26.2	1.806	2.731	8.6	19.6
1 22	9 7.37	+20 23.3	1.769	2.738	4.5	19.3
2 1	8 58.49	+21 20.5	1.762	2.745	1.4	19.1
2 11	8 49.52	+22 11.5	1.783	2.752	4.8	19.4
2 21	8 41.54	+22 52.0	1.832	2.760	8.7	19.6
3 2	8 35.48	+23 19.5	1.907	2.767	12.3	19.8
3 12	8 31.91	+23 33.9	2.003	2.774	15.3	20.1

282639 2005 TC_{46} 2 1.7 130°.23 0°.5/ 1.4 17

1 2	9 26.04	+15 20.6	1.824	2.667	13.2	21.7
1 12	9 18.73	+16 16.3	1.768	2.686	9.3	21.5
1 22	9 9.28	+17 20.6	1.738	2.704	4.9	21.3
2 1	8 58.62	+18 27.4	1.737	2.722	0.5	21.0
2 11	8 47.95	+19 29.7	1.766	2.738	4.4	21.3
2 21	8 38.43	+20 22.5	1.825	2.753	8.7	21.6
3 2	8 31.02	+21 2.9	1.909	2.768	12.4	21.9
3 12	8 26.27	+21 30.1	2.016	2.781	15.4	22.1

273861 2007 GK_{60} 2 1.7 346°.90 2°.2/ 2.9 18

1 2	9 20.02	+10 35.2	1.660	2.505	14.2	20.4
1 12	9 14.77	+10 39.1	1.586	2.501	10.4	20.2
1 22	9 7.32	+10 56.3	1.536	2.497	6.1	19.9
2 1	8 58.50	+11 23.9	1.513	2.495	2.4	19.6
2 11	8 49.49	+11 57.7	1.517	2.492	4.5	19.8
2 21	8 41.47	+12 32.6	1.549	2.490	8.8	20.0
3 2	8 35.46	+13 4.2	1.605	2.488	12.9	20.3
3 12	8 32.11	+13 29.4	1.682	2.487	16.4	20.5

59751 1999 LU_{18} 2 1.7 235°.13 3°.2/30.2 17

1 2	9 22.17	+24 16.8	2.161	3.016	10.9	20.2
1 12	9 16.09	+25 20.6	2.083	3.006	7.8	19.9
1 22	9 7.97	+26 26.1	2.031	2.995	4.6	19.7
2 1	8 58.55	+27 26.9	2.008	2.983	3.3	19.6
2 11	8 48.85	+28 16.9	2.016	2.972	5.8	19.7
2 21	8 39.95	+28 52.2	2.052	2.959	9.1	19.9
3 2	8 32.81	+29 11.5	2.113	2.947	12.3	20.1
3 12	8 28.07	+29 15.5	2.196	2.934	15.1	20.3

502125 2015 BN_{15} 2 1.7 171°.46 0°.3/ 1.5 18

1 2	9 20.45	+16 29.9	2.293	3.137	10.8	21.3
1 12	9 14.58	+16 55.8	2.220	3.139	7.6	21.1
1 22	9 7.03	+17 27.6	2.173	3.140	4.0	20.8
2 1	8 58.48	+18 1.4	2.156	3.141	0.3	20.5
2 11	8 49.83	+18 33.3	2.169	3.142	3.6	20.8
2 21	8 41.95	+19 0.1	2.212	3.142	7.3	21.0
3 2	8 35.62	+19 19.4	2.281	3.143	10.5	21.2
3 12	8 31.37	+19 30.5	2.373	3.143	13.2	21.4

367987 2012 FM_{14} 2 1.7 1°.10 1°.6/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 19.70	+17 36.4	1.481	2.348	14.3	19.9
1 12	9 14.82	+18 41.3	1.417	2.347	10.1	19.7
1 22	9 7.44	+19 56.5	1.376	2.346	5.3	19.4
2 1	8 58.51	+21 13.8	1.362	2.346	1.6	19.1
2 11	8 49.38	+22 24.5	1.376	2.347	5.6	19.4
2 21	8 41.39	+23 21.9	1.416	2.348	10.4	19.7
3 2	8 35.70	+24 2.3	1.479	2.349	14.6	19.9
3 12	8 33.01	+24 25.0	1.562	2.351	18.1	20.2

522648 2016 GG_{262} 2 1.7 322°.03 2°.6/ 3.4 18

1 2	9 19.62	+ 8 24.3	1.920	2.752	13.1	21.3
1 12	9 14.25	+ 8 33.8	1.844	2.750	9.7	21.1
1 22	9 6.95	+ 8 57.1	1.792	2.748	6.0	20.8
2 1	8 58.48	+ 9 31.8	1.767	2.746	2.8	20.6
2 11	8 49.83	+10 13.8	1.771	2.744	4.2	20.7
2 21	8 42.03	+10 58.3	1.804	2.743	8.0	20.9
3 2	8 35.96	+11 40.8	1.862	2.741	11.6	21.1
3 12	8 32.22	+12 17.8	1.942	2.740	14.8	21.4

4766 Malin 2 1.7 27°.44 5°.7/28.6 18

1 2	9 20.73	+25 40.9	1.389	2.265	14.4	16.0
1 12	9 15.75	+27 39.6	1.341	2.272	10.4	15.8
1 22	9 8.00	+29 39.5	1.317	2.280	6.7	15.6
2 1	8 58.55	+31 27.7	1.320	2.289	6.0	15.6
2 11	8 48.94	+32 53.2	1.350	2.298	9.0	15.8
2 21	8 40.72	+33 50.4	1.405	2.307	12.9	16.0
3 2	8 35.12	+34 18.9	1.481	2.317	16.5	16.3
3 12	8 32.84	+34 22.1	1.574	2.328	19.5	16.5

259983 2004 FO_{49} 2 1.7 328°.49 0°.9/ 1.3 18

1 2	9 21.88	+18 6.9	1.414	2.280	14.9	20.4
1 12	9 16.53	+18 23.1	1.338	2.268	10.6	20.1
1 22	9 8.45	+18 46.8	1.286	2.256	5.6	19.8
2 1	8 58.59	+19 12.4	1.260	2.245	0.9	19.4
2 11	8 48.43	+19 34.1	1.260	2.234	5.4	19.7
2 21	8 39.45	+19 47.3	1.286	2.224	10.6	20.0
3 2	8 32.95	+19 49.6	1.335	2.215	15.2	20.2
3 12	8 29.69	+19 40.6	1.403	2.207	19.1	20.4

206974 2004 TN_{72} 2 1.7 343°.52 1°.8/ 2.7 18

1 2	9 21.44	+10 45.9	1.372	2.225	16.1	19.8
1 12	9 16.15	+11 10.3	1.303	2.223	11.7	19.5
1 22	9 8.20	+11 51.8	1.257	2.221	6.8	19.2
2 1	8 58.57	+12 45.9	1.236	2.219	2.1	18.9
2 11	8 48.70	+13 45.4	1.241	2.217	5.0	19.1
2 21	8 40.02	+14 43.1	1.273	2.216	10.1	19.4
3 2	8 33.77	+15 32.9	1.328	2.215	14.8	19.7
3 12	8 30.70	+16 11.1	1.403	2.214	18.7	19.9

60150 1999 UY_{2} 2 1.7 71°.60 3°.1/ 3.4 17

1 2	9 24.32	+ 8 5.2	1.235	2.083	17.9	19.6
1 12	9 18.09	+ 8 25.3	1.186	2.101	13.2	19.4
1 22	9 9.13	+ 9 6.0	1.159	2.119	7.9	19.1
2 1	8 58.63	+10 2.6	1.156	2.137	3.4	18.9
2 11	8 48.19	+11 7.0	1.180	2.155	5.4	19.1
2 21	8 39.32	+12 11.1	1.230	2.174	10.4	19.4
3 2	8 33.18	+13 8.2	1.303	2.192	14.9	19.7
3 12	8 30.35	+13 53.9	1.395	2.210	18.7	20.0

179904 2002 VE_{11} 2 1.7 117°.30 2°.1/ 3.1 18

1 2	9 23.41	+ 9 41.4	1.974	2.802	13.0	21.0
1 12	9 16.72	+ 9 50.3	1.913	2.818	9.5	20.8
1 22	9 8.16	+10 11.0	1.877	2.834	5.6	20.6
2 1	8 58.57	+10 40.6	1.869	2.850	2.3	20.4
2 11	8 48.97	+11 15.0	1.892	2.865	4.0	20.5
2 21	8 40.38	+11 50.0	1.943	2.879	7.7	20.8
3 2	8 33.62	+12 22.2	2.022	2.893	11.2	21.0
3 12	8 29.22	+12 48.7	2.122	2.907	14.1	21.3

29599 1998 HZ_{119} 2 1.7 5°.30 4°.3/29.1 18

1 2	9 19.18	+26 57.3	2.063	2.926	11.0	17.3
1 12	9 14.00	+28 15.9	2.002	2.926	7.9	17.1
1 22	9 6.85	+29 33.8	1.967	2.927	5.2	16.9
2 1	8 58.49	+30 43.6	1.960	2.928	4.5	16.9
2 11	8 49.96	+31 39.1	1.983	2.929	6.7	17.0
2 21	8 42.34	+32 16.7	2.032	2.930	9.7	17.2
3 2	8 36.52	+32 35.4	2.106	2.932	12.7	17.4
3 12	8 33.11	+32 36.8	2.200	2.934	15.1	17.6

105085 2000 KH_{78} 2 1.7 237°.30 1°.4/ 2.9 18

1 2	9 17.94	+10 9.1	2.409	3.239	10.8	20.0
1 12	9 12.82	+10 43.0	2.324	3.232	7.9	19.8
1 22	9 6.12	+11 27.9	2.266	3.226	4.6	19.6
2 1	8 58.44	+12 20.9	2.237	3.219	1.6	19.4
2 11	8 50.58	+13 17.7	2.238	3.212	3.3	19.5
2 21	8 43.33	+14 13.9	2.269	3.205	6.8	19.7
3 2	8 37.45	+15 5.6	2.327	3.198	10.0	19.9
3 12	8 33.45	+15 50.0	2.409	3.190	12.7	20.1

165926 2001 TG_{164} 2 1.7 105.°49 1.°7/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 19.97	+21 2.1	2.323	3.176	10.3	20.3
1 12	9 14.25	+21 37.1	2.256	3.179	7.2	20.1
1 22	9 6.86	+22 14.5	2.215	3.182	3.9	19.9
2 1	8 58.49	+22 50.0	2.204	3.186	1.7	19.7
2 11	8 50.04	+23 19.3	2.222	3.189	4.3	19.9
2 21	8 42.40	+23 39.7	2.270	3.192	7.6	20.1
3 2	8 36.32	+23 49.8	2.344	3.195	10.6	20.3
3 12	8 32.33	+23 49.6	2.440	3.198	13.2	20.5

500940 2013 PW_{72} 2 1.7 238.°04 2.°2/31.2 17

1 2	9 25.61	+23 7.2	2.329	3.174	10.6	23.1
1 12	9 18.40	+23 35.5	2.237	3.156	7.5	22.9
1 22	9 9.17	+24 4.6	2.173	3.138	4.2	22.6
2 1	8 58.66	+24 29.7	2.139	3.119	2.3	22.5
2 11	8 47.86	+24 46.6	2.136	3.099	4.8	22.6
2 21	8 37.82	+24 52.5	2.163	3.078	8.3	22.8
3 2	8 29.48	+24 46.9	2.216	3.056	11.6	23.0
3 12	8 23.48	+24 30.6	2.292	3.034	14.4	23.1

54907 2001 OW_{80} 2 1.7 165.°55 5.°5/ 4.9 18

1 2	9 22.28	+ 1 37.2	1.981	2.780	14.0	18.5
1 12	9 16.05	+ 1 7.5	1.905	2.782	11.1	18.3
1 22	9 7.90	+ 0 54.9	1.852	2.784	8.0	18.1
2 1	8 58.58	+ 0 59.6	1.827	2.786	5.7	18.0
2 11	8 49.11	+ 1 19.6	1.830	2.787	6.0	18.0
2 21	8 40.48	+ 1 51.2	1.861	2.789	8.6	18.2
3 2	8 33.60	+ 2 29.5	1.918	2.790	11.7	18.4
3 12	8 29.04	+ 3 9.6	1.997	2.790	14.6	18.5

125408 2001 VP_{106} 2 1.7 31.°96 6.°9/29.3 18

1 2	9 26.71	+30 0.6	1.268	2.141	15.8	19.4
1 12	9 20.19	+31 8.9	1.219	2.145	11.7	19.2
1 22	9 10.42	+32 11.0	1.192	2.150	8.0	19.0
2 1	8 58.74	+32 55.4	1.190	2.156	7.0	19.0
2 11	8 47.07	+33 14.0	1.214	2.161	9.8	19.1
2 21	8 37.22	+33 5.0	1.262	2.168	13.7	19.4
3 2	8 30.55	+32 31.4	1.330	2.174	17.6	19.6
3 12	8 27.68	+31 39.0	1.416	2.181	20.8	19.9

416976 2005 TV_{46} 2 1.7 137.°84 0.°7/ 1.2 18

1 2	9 23.70	+18 12.5	2.055	2.901	11.7	21.8
1 12	9 16.97	+18 34.4	1.990	2.910	8.3	21.6
1 22	9 8.34	+19 0.8	1.951	2.918	4.3	21.4
2 1	8 58.61	+19 27.4	1.941	2.926	0.8	21.1
2 11	8 48.85	+19 50.1	1.962	2.934	4.1	21.4
2 21	8 40.07	+20 5.8	2.012	2.941	8.0	21.6
3 2	8 33.13	+20 13.0	2.088	2.947	11.4	21.8
3 12	8 28.58	+20 11.5	2.186	2.954	14.3	22.1

338236 2002 TZ_{88} 2 1.7 82.°87 3.°0/ 3.2 18

1 2	9 25.77	+ 9 6.3	1.326	2.170	17.1	20.6
1 12	9 19.00	+ 9 8.1	1.274	2.187	12.6	20.4
1 22	9 9.60	+ 9 27.2	1.244	2.204	7.6	20.1
2 1	8 58.71	+10 0.1	1.240	2.221	3.3	19.9
2 11	8 47.88	+10 40.9	1.263	2.238	5.3	20.1
2 21	8 38.57	+11 23.2	1.313	2.254	10.1	20.4
3 2	8 31.90	+12 1.7	1.386	2.271	14.4	20.7
3 12	8 28.46	+12 32.4	1.479	2.287	18.1	21.0

283072 2008 SZ_{2} 2 1.7 199.°63 0.°4/ 1.4 18

1 2	9 24.91	+15 29.3	1.782	2.628	13.3	21.2
1 12	9 18.24	+16 18.6	1.705	2.625	9.4	21.0
1 22	9 9.22	+17 18.0	1.654	2.621	5.0	20.7
2 1	8 58.70	+18 21.7	1.631	2.616	0.5	20.3
2 11	8 47.90	+19 22.7	1.638	2.610	4.7	20.7
2 21	8 38.07	+20 15.2	1.673	2.604	9.2	20.9
3 2	8 30.32	+20 55.7	1.735	2.596	13.2	21.1
3 12	8 25.34	+21 22.9	1.817	2.588	16.6	21.4

273140 2006 HB_{13} 2 1.7 153.°82 3.°9/29.6 18

1 2	9 21.64	+27 5.3	2.199	3.056	10.7	20.4
1 12	9 15.61	+28 6.9	2.136	3.058	7.7	20.2
1 22	9 7.67	+29 7.0	2.100	3.060	4.9	20.1
2 1	8 58.59	+29 59.2	2.093	3.062	4.0	20.0
2 11	8 49.39	+30 38.2	2.116	3.064	6.1	20.1
2 21	8 41.09	+31 1.2	2.167	3.066	9.1	20.3
3 2	8 34.58	+31 7.7	2.242	3.068	12.0	20.5
3 12	8 30.41	+30 59.5	2.338	3.069	14.4	20.7

101099 1998 RK_{41} 2 1.7 113.°68 2.°9/30.9 18

1 2	9 24.43	+25 7.8	2.073	2.926	11.4	19.6
1 12	9 17.54	+25 29.3	2.008	2.930	8.1	19.4
1 22	9 8.66	+25 49.2	1.970	2.934	4.7	19.2
2 1	8 58.65	+26 2.6	1.961	2.938	2.9	19.1
2 11	8 48.64	+26 5.7	1.981	2.942	5.3	19.3
2 21	8 39.68	+25 56.8	2.030	2.946	8.7	19.5
3 2	8 32.66	+25 36.2	2.104	2.950	11.9	19.7
3 12	8 28.13	+25 5.6	2.201	2.953	14.6	19.9

84186 2002 RQ_{107} 2 1.7 41.°31 6.°9/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 25.34	+30 35.1	1.315	2.188	15.3	18.4
1 12	9 18.95	+31 49.8	1.280	2.206	11.3	18.3
1 22	9 9.62	+32 56.3	1.268	2.225	7.9	18.1
2 1	8 58.72	+33 44.0	1.282	2.244	7.1	18.1
2 11	8 48.03	+34 5.9	1.321	2.264	9.6	18.3
2 21	8 39.20	+34 0.9	1.384	2.285	13.1	18.6
3 2	8 33.35	+33 32.4	1.468	2.306	16.5	18.8
3 12	8 30.99	+32 45.7	1.570	2.327	19.4	19.1

235386 2003 WL_{83} 2 1.7 79.°35 5.°4/29.2 18

1 2	9 25.36	+32 19.2	2.055	2.908	11.5	19.5
1 12	9 18.22	+33 5.6	2.008	2.922	8.6	19.3
1 22	9 9.01	+33 44.5	1.987	2.937	6.1	19.2
2 1	8 58.69	+34 9.4	1.994	2.951	5.5	19.2
2 11	8 48.47	+34 16.3	2.030	2.965	7.3	19.3
2 21	8 39.49	+34 4.4	2.092	2.980	10.0	19.5
3 2	8 32.64	+33 35.5	2.179	2.994	12.7	19.7
3 12	8 28.43	+32 53.0	2.287	3.008	15.0	19.9

336526 2008 YJ_{93} 2 1.7 97.°67 1.°0/ 2.4 18

1 2	9 20.73	+13 25.5	2.242	3.080	11.3	20.3
1 12	9 14.78	+13 27.1	2.170	3.083	8.1	20.1
1 22	9 7.16	+13 36.1	2.124	3.087	4.5	19.9
2 1	8 58.57	+13 49.9	2.107	3.091	1.2	19.6
2 11	8 49.91	+14 5.6	2.120	3.094	3.5	19.8
2 21	8 42.05	+14 20.3	2.162	3.098	7.1	20.1
3 2	8 35.77	+14 31.6	2.232	3.102	10.4	20.3
3 12	8 31.56	+14 38.1	2.324	3.105	13.1	20.5

381991 2010 JZ_{154} 2 1.7 330.°73 4.°3/ 4.7 18

1 2	9 17.87	+ 3 31.0	2.040	2.853	13.2	21.0
1 12	9 12.97	+ 3 26.4	1.958	2.847	10.2	20.8
1 22	9 6.30	+ 3 38.2	1.900	2.842	7.0	20.6
2 1	8 58.52	+ 4 5.5	1.869	2.836	4.6	20.4
2 11	8 50.54	+ 4 45.4	1.866	2.831	5.0	20.4
2 21	8 43.29	+ 5 33.3	1.891	2.827	7.9	20.6
3 2	8 37.61	+ 6 24.4	1.942	2.822	11.1	20.8
3 12	8 34.08	+ 7 13.6	2.015	2.818	14.1	21.0

413914 2006 WB_{91} 2 1.7 333.°16 0.°5/ 1.5 17

1 2	9 20.90	+18 17.6	1.214	2.089	16.2	19.7
1 12	9 16.31	+18 11.1	1.132	2.065	11.6	19.4
1 22	9 8.58	+18 11.1	1.071	2.041	6.3	19.0
2 1	8 58.69	+18 13.0	1.034	2.019	0.6	18.5
2 11	8 48.24	+18 11.5	1.022	1.998	5.9	18.8
2 21	8 39.02	+18 2.9	1.034	1.978	11.8	19.1
3 2	8 32.57	+17 45.1	1.068	1.960	17.1	19.3
3 12	8 29.83	+17 17.9	1.119	1.944	21.6	19.5

498979 2009 BL_{146} 2 1.7 334.°36 1.°7/31.7 17

1 2	9 22.07	+22 0.0	2.102	2.956	11.2	21.4
1 12	9 15.90	+22 9.5	2.027	2.951	7.9	21.1
1 22	9 7.83	+22 19.9	1.979	2.946	4.3	20.9
2 1	8 58.62	+22 27.3	1.959	2.942	1.7	20.7
2 11	8 49.31	+22 28.2	1.970	2.938	4.5	20.9
2 21	8 40.93	+22 20.6	2.008	2.934	8.2	21.1
3 2	8 34.33	+22 4.0	2.073	2.930	11.6	21.3
3 12	8 30.08	+21 39.2	2.159	2.927	14.4	21.5

498216 2007 TV_{439} 2 1.7 103.°62 2.°5/30.7 18

1 2	9 21.05	+23 36.9	2.323	3.177	10.3	22.0
1 12	9 15.00	+24 21.3	2.265	3.188	7.2	21.8
1 22	9 7.26	+25 6.0	2.234	3.199	4.1	21.6
2 1	8 58.58	+25 46.0	2.232	3.210	2.6	21.6
2 11	8 49.87	+26 17.0	2.261	3.221	4.8	21.7
2 21	8 42.03	+26 36.6	2.318	3.231	7.9	21.9
3 2	8 35.83	+26 43.8	2.401	3.242	10.8	22.1
3 12	8 31.76	+26 39.5	2.506	3.252	13.2	22.3

517577 2014 UW_{117} 2 1.7 124.°05 2.°0/31.2 18

1 2	9 24.18	+20 54.5	2.197	3.045	11.1	22.2
1 12	9 17.21	+21 47.9	2.144	3.065	7.7	22.0
1 22	9 8.44	+22 43.7	2.117	3.083	4.2	21.8
2 1	8 58.66	+23 36.3	2.120	3.102	2.0	21.7
2 11	8 48.90	+24 20.5	2.155	3.119	4.6	21.9
2 21	8 40.12	+24 53.2	2.219	3.136	8.0	22.2
3 2	8 33.12	+25 13.3	2.309	3.152	11.1	22.4
3 12	8 28.42	+25 21.1	2.421	3.167	13.6	22.6

446683 2015 OB_{15} 2 1.7 270.°26 0.°7/ 1.1 17

1 2	9 16.70	+18 48.7	3.196	4.040	8.1	21.4
1 12	9 11.68	+19 9.3	3.109	4.028	5.7	21.2
1 22	9 5.44	+19 32.7	3.049	4.016	3.0	21.0
2 1	8 58.46	+19 56.3	3.019	4.004	0.7	20.8
2 11	8 51.37	+20 17.7	3.021	3.992	3.0	21.0
2 21	8 44.76	+20 34.5	3.053	3.979	5.7	21.2
3 2	8 39.19	+20 45.4	3.113	3.967	8.2	21.3
3 12	8 35.11	+20 49.7	3.197	3.955	10.4	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
423537 2005 UO_{195}			2 1.7 107°.19	4°.2/29.8 18		
	h m	° ′			°	m
1 2	9 25.38	+27 50.8	2.028	2.882	11.6	21.5
1 12	9 18.22	+28 47.5	1.981	2.901	8.3	21.4
1 22	9 9.02	+29 40.6	1.960	2.919	5.3	21.2
2 1	8 58.71	+30 23.3	1.968	2.936	4.3	21.2
2 11	8 48.46	+30 50.7	2.005	2.953	6.5	21.4
2 21	8 39.39	+31 1.0	2.071	2.970	9.5	21.6
3 2	8 32.39	+30 54.8	2.161	2.986	12.4	21.8
3 12	8 27.97	+30 34.6	2.272	3.002	14.8	22.0
324486 2006 UY_{142}			2 1.7 59°.40	5°.1/ 4.6 18		
1 2	9 22.21	+ 3 51.2	1.567	2.389	16.0	20.5
1 12	9 16.24	+ 3 32.1	1.509	2.404	12.3	20.3
1 22	9 8.07	+ 3 32.8	1.475	2.419	8.4	20.1
2 1	8 58.65	+ 3 52.1	1.465	2.434	5.4	20.0
2 11	8 49.22	+ 4 26.2	1.483	2.450	6.0	20.1
2 21	8 40.98	+ 5 9.6	1.528	2.465	9.3	20.3
3 2	8 34.89	+ 5 56.2	1.598	2.481	12.9	20.6
3 12	8 31.53	+ 6 40.5	1.688	2.497	16.1	20.8
503343 2016 BG_{41}			2 1.7 265°.38	1°.1/ 1.2 17		
1 2	9 24.92	+19 14.5	1.819	2.671	12.8	21.7
1 12	9 18.30	+19 28.4	1.733	2.655	9.1	21.4
1 22	9 9.30	+19 46.6	1.672	2.639	4.9	21.1
2 1	8 58.75	+20 4.6	1.639	2.623	1.1	20.8
2 11	8 47.89	+20 17.7	1.635	2.607	4.8	21.1
2 21	8 37.97	+20 22.6	1.660	2.590	9.3	21.3
3 2	8 30.11	+20 18.0	1.710	2.573	13.3	21.5
3 12	8 25.05	+20 3.8	1.781	2.556	16.8	21.7
298705 2004 EY_{66}			2 1.7 231°.55	7°.6/24.5 17		
1 2	9 28.60	+47 43.3	3.107	3.907	9.4	21.4
1 12	9 20.46	+48 41.6	3.044	3.894	8.3	21.3
1 22	9 10.25	+49 26.2	3.008	3.880	7.6	21.3
2 1	8 58.81	+49 51.5	2.998	3.866	7.9	21.3
2 11	8 47.25	+49 54.1	3.016	3.851	8.8	21.3
2 21	8 36.67	+49 33.8	3.059	3.836	10.2	21.4
3 2	8 28.01	+48 53.1	3.124	3.820	11.7	21.5
3 12	8 21.86	+47 55.9	3.208	3.804	13.1	21.6
98155 2000 SF_{70}			2 1.7 245°.34	4°.6/30.2 18		
1 2	9 26.49	+26 29.4	1.596	2.458	13.7	19.6
1 12	9 19.70	+27 21.9	1.526	2.451	9.9	19.3
1 22	9 10.13	+28 13.5	1.481	2.444	6.1	19.1
2 1	8 58.82	+28 55.4	1.463	2.437	4.7	19.0
2 11	8 47.26	+29 20.6	1.474	2.429	7.5	19.1
2 21	8 36.99	+29 25.8	1.510	2.421	11.5	19.3
3 2	8 29.26	+29 11.5	1.570	2.413	15.3	19.5
3 12	8 24.80	+28 40.9	1.648	2.405	18.6	19.7
462245 2008 CU_{123}			2 1.7 202°.05	0°.5/ 2.1 18		
1 2	9 23.03	+14 18.4	1.964	2.806	12.4	21.6
1 12	9 16.69	+14 36.1	1.887	2.804	8.9	21.4
1 22	9 8.32	+15 2.3	1.835	2.800	4.9	21.2
2 1	8 58.69	+15 33.4	1.812	2.797	0.7	20.8
2 11	8 48.89	+16 4.9	1.819	2.793	4.0	21.1
2 21	8 39.97	+16 32.8	1.855	2.789	8.1	21.3
3 2	8 32.89	+16 54.3	1.916	2.785	11.9	21.6
3 12	8 28.26	+17 7.9	2.000	2.780	15.0	21.8
340740 2006 SW_{198}			2 1.7 165°.11	5°.0/27.5 17		
1 2	9 21.92	+34 28.4	2.948	3.791	8.7	21.3
1 12	9 15.55	+35 37.7	2.891	3.796	6.7	21.2
1 22	9 7.57	+36 40.9	2.863	3.800	5.2	21.1
2 1	8 58.65	+37 32.5	2.864	3.804	5.1	21.1
2 11	8 49.61	+38 8.9	2.895	3.808	6.5	21.2
2 21	8 41.30	+38 28.2	2.954	3.811	8.4	21.3
3 2	8 34.44	+38 30.9	3.039	3.814	10.4	21.5
3 12	8 29.56	+38 19.1	3.143	3.816	12.1	21.6
380103 2013 TD_{14}			2 1.7 182°.12	17°.9/24.0 16		
1 2	9 47.56	+53 37.7	1.194	2.009	20.5	20.6
1 12	9 36.84	+55 31.5	1.161	2.009	18.8	20.5
1 22	9 19.96	+56 48.5	1.146	2.009	17.9	20.4
2 1	8 59.49	+57 9.8	1.151	2.009	18.3	20.5
2 11	8 39.55	+56 28.1	1.174	2.009	19.7	20.6
2 21	8 23.80	+54 50.5	1.216	2.009	21.8	20.7
3 2	8 14.20	+52 32.3	1.274	2.008	24.0	20.9
3 12	8 10.87	+49 49.9	1.344	2.007	26.0	21.0
21991 Zane			2 1.7 130°.43	0°.5/ 1.4 18		
1 2	9 20.79	+16 32.6	2.143	2.990	11.3	19.3
1 12	9 14.93	+17 10.3	2.076	2.997	8.0	19.1
1 22	9 7.31	+17 54.5	2.036	3.003	4.2	18.9
2 1	8 58.64	+18 40.7	2.024	3.009	0.5	18.6
2 11	8 49.88	+19 24.1	2.043	3.015	3.9	18.9
2 21	8 41.97	+20 0.7	2.091	3.021	7.6	19.1
3 2	8 35.73	+20 28.3	2.165	3.026	11.0	19.4
3 12	8 31.68	+20 45.7	2.261	3.032	13.8	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
492229 2013 TK_{60}			2 1.7 152°.40	1°.9/ 3.5 18		
	h m	° ′			°	m
1 2	9 20.66	+ 8 24.9	2.911	3.721	9.7	22.7
1 12	9 14.41	+ 8 36.9	2.838	3.733	7.2	22.6
1 22	9 6.88	+ 8 57.9	2.792	3.744	4.4	22.4
2 1	8 58.61	+ 9 25.9	2.776	3.754	2.1	22.2
2 11	8 50.29	+ 9 58.3	2.792	3.764	3.1	22.3
2 21	8 42.58	+10 32.1	2.840	3.772	5.8	22.5
3 2	8 36.08	+11 4.6	2.916	3.780	8.4	22.7
3 12	8 31.22	+11 33.6	3.017	3.787	10.7	22.9
382078 2011 FH_{28}			2 1.7 221°.43	6°.4/27.0 17		
1 2	9 23.73	+35 17.1	2.290	3.139	10.6	20.5
1 12	9 17.29	+36 39.5	2.227	3.133	8.3	20.3
1 22	9 8.69	+37 54.7	2.191	3.127	6.7	20.2
2 1	8 58.74	+38 55.0	2.184	3.121	6.7	20.2
2 11	8 48.56	+39 34.8	2.204	3.114	8.3	20.3
2 21	8 39.31	+39 51.9	2.251	3.108	10.7	20.4
3 2	8 31.98	+39 47.4	2.322	3.101	13.1	20.6
3 12	8 27.22	+39 24.4	2.411	3.093	15.2	20.7
234512 2001 TL_{216}			2 1.7 160°.93	1°.7/31.3 17		
1 2	9 21.39	+22 43.1	2.871	3.715	8.8	20.6
1 12	9 15.00	+23 5.8	2.802	3.721	6.2	20.5
1 22	9 7.21	+23 28.7	2.761	3.726	3.4	20.3
2 1	8 58.63	+23 48.5	2.750	3.731	1.7	20.2
2 11	8 50.02	+24 2.2	2.771	3.735	3.8	20.3
2 21	8 42.10	+24 8.2	2.822	3.739	6.6	20.5
3 2	8 35.51	+24 5.8	2.901	3.742	9.1	20.7
3 12	8 30.71	+23 55.2	3.004	3.745	11.3	20.9
522231 2016 AP_{267}			2 1.7 274°.54	5°.4/ 4.9 18		
1 2	9 20.49	+ 2 8.5	1.786	2.596	14.9	21.2
1 12	9 15.10	+ 1 56.2	1.701	2.586	11.7	20.9
1 22	9 7.58	+ 2 3.3	1.638	2.576	8.3	20.7
2 1	8 58.67	+ 2 29.8	1.602	2.567	5.7	20.5
2 11	8 49.45	+ 3 12.7	1.594	2.557	6.1	20.5
2 21	8 41.05	+ 4 6.8	1.613	2.548	9.1	20.7
3 2	8 34.48	+ 5 6.0	1.657	2.538	12.7	20.9
3 12	8 30.45	+ 6 4.2	1.722	2.528	16.0	21.1
58116 1981 EH_{7}			2 1.7 43°.59	8°.2/ 7.6 18		
1 2	9 18.85	− 5 47.6	1.711	2.488	16.8	19.5
1 12	9 13.87	− 6 4.4	1.643	2.495	13.9	19.4
1 22	9 6.86	− 5 54.0	1.595	2.502	11.0	19.2
2 1	8 58.62	− 5 15.5	1.572	2.510	8.7	19.1
2 11	8 50.23	− 4 12.1	1.574	2.517	8.3	19.1
2 21	8 42.80	− 2 50.2	1.602	2.525	10.1	19.2
3 2	8 37.24	− 1 18.4	1.655	2.533	12.9	19.4
3 12	8 34.17	+ 0 14.7	1.730	2.542	15.7	19.6
486877 2014 KL_{53}			2 1.7 247°.34	2°.8/31.0 18		
1 2	9 23.77	+19 53.5	1.461	2.326	14.6	20.8
1 12	9 17.93	+21 8.7	1.390	2.319	10.3	20.5
1 22	9 9.28	+22 32.6	1.344	2.313	5.6	20.2
2 1	8 58.79	+23 56.0	1.324	2.306	2.8	20.0
2 11	8 47.93	+25 9.0	1.333	2.299	6.6	20.2
2 21	8 38.25	+26 4.7	1.367	2.292	11.4	20.5
3 2	8 31.08	+26 39.9	1.425	2.284	15.7	20.7
3 12	8 27.21	+26 55.2	1.502	2.277	19.4	20.9
310268 2011 UV_{47}			2 1.7 166°.82	0°.4/ 1.9 18		
1 2	9 24.90	+14 21.2	1.952	2.791	12.6	21.9
1 12	9 17.97	+14 47.5	1.881	2.796	9.0	21.7
1 22	9 8.99	+15 22.3	1.836	2.801	4.9	21.5
2 1	8 58.77	+16 1.6	1.820	2.805	0.6	21.1
2 11	8 48.44	+16 40.4	1.834	2.808	4.0	21.4
2 21	8 39.08	+17 14.4	1.878	2.811	8.2	21.7
3 2	8 31.63	+17 40.8	1.948	2.812	11.9	21.9
3 12	8 26.69	+17 58.2	2.040	2.813	15.0	22.1
428115 2006 RB_{82}			2 1.7 328°.46	3°.5/30.2 17		
1 2	9 21.58	+26 57.3	2.286	3.141	10.4	21.1
1 12	9 15.52	+27 34.6	2.218	3.140	7.5	21.0
1 22	9 7.63	+28 9.8	2.178	3.139	4.6	20.8
2 1	8 58.69	+28 37.8	2.166	3.138	3.5	20.7
2 11	8 49.66	+28 54.3	2.184	3.137	5.6	20.8
2 21	8 41.51	+28 57.5	2.230	3.136	8.6	21.0
3 2	8 35.07	+28 47.2	2.301	3.135	11.4	21.2
3 12	8 30.88	+28 25.0	2.394	3.135	13.9	21.4
85854 1999 AE_{13}			2 1.7 24°.17	2°.1/ 2.6 18 R		
1 2	9 22.86	+12 47.8	1.310	2.169	16.3	18.2
1 12	9 17.07	+12 28.8	1.255	2.177	11.9	18.0
1 22	9 8.66	+12 21.8	1.222	2.187	6.8	17.7
2 1	8 58.76	+12 24.3	1.214	2.197	2.3	17.5
2 11	8 48.87	+12 32.1	1.233	2.208	5.1	17.7
2 21	8 40.43	+12 41.0	1.277	2.221	10.0	18.0
3 2	8 34.56	+12 47.6	1.344	2.234	14.5	18.3
3 12	8 31.86	+12 49.4	1.431	2.247	18.2	18.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
296687 2009 SU_{238}			2 1.7	90°.70	6°.8/27.9	18
	h m	° ′			°	m
1 2	9 25.91	+34 24.2	1.915	2.769	12.2	20.3
1 12	9 18.88	+35 41.0	1.873	2.783	9.3	20.1
1 22	9 9.50	+36 48.3	1.857	2.798	7.2	20.0
2 1	8 58.82	+37 37.9	1.868	2.813	7.0	20.0
2 11	8 48.18	+38 4.5	1.906	2.827	8.8	20.2
2 21	8 38.86	+38 6.9	1.971	2.841	11.4	20.3
3 2	8 31.89	+37 47.5	2.058	2.855	14.0	20.5
3 12	8 27.81	+37 10.6	2.165	2.869	16.2	20.7
367540 2009 RU_{29}			2 1.7	101°.33	0°.8/ 2.3	18
1 2	9 22.47	+13 29.4	1.966	2.807	12.5	21.7
1 12	9 16.16	+13 44.6	1.905	2.820	8.9	21.5
1 22	9 7.97	+14 8.4	1.869	2.833	4.9	21.2
2 1	8 58.72	+14 37.5	1.861	2.846	1.0	21.0
2 11	8 49.46	+15 7.5	1.883	2.858	3.8	21.2
2 21	8 41.19	+15 34.7	1.934	2.870	7.8	21.5
3 2	8 34.75	+15 56.3	2.012	2.882	11.3	21.7
3 12	8 30.65	+16 10.8	2.111	2.894	14.2	21.9
338908 2004 DH_{33}			2 1.7	314°.75	3°.5/30.5	17
1 2	9 22.02	+25 59.1	1.940	2.801	11.7	20.1
1 12	9 16.22	+26 31.1	1.858	2.782	8.4	19.8
1 22	9 8.19	+27 2.2	1.801	2.765	5.1	19.6
2 1	8 58.75	+27 26.3	1.772	2.747	3.6	19.5
2 11	8 49.04	+27 38.6	1.771	2.730	6.1	19.6
2 21	8 40.26	+27 36.2	1.798	2.713	9.7	19.8
3 2	8 33.44	+27 19.0	1.849	2.696	13.2	20.0
3 12	8 29.26	+26 48.6	1.921	2.680	16.2	20.1
65703 1992 EY_{4}			2 1.7	341°.19	1°.0/ 2.6	18
1 2	9 17.49	+11 17.8	2.221	3.059	11.3	19.5
1 12	9 12.63	+11 58.7	2.144	3.057	8.2	19.3
1 22	9 6.13	+12 50.8	2.093	3.056	4.6	19.0
2 1	8 58.61	+13 50.3	2.070	3.054	1.2	18.8
2 11	8 50.93	+14 52.4	2.078	3.053	3.5	18.9
2 21	8 43.95	+15 52.1	2.115	3.052	7.1	19.2
3 2	8 38.43	+16 45.4	2.178	3.051	10.5	19.4
3 12	8 34.93	+17 29.5	2.265	3.050	13.3	19.6
55306 2001 SP_{53}			2 1.7	115°.39	2°.3/30.8	18
1 2	9 20.84	+23 39.1	2.570	3.420	9.6	19.2
1 12	9 14.75	+24 22.3	2.512	3.434	6.7	19.1
1 22	9 7.14	+25 5.5	2.483	3.448	3.8	18.9
2 1	8 58.67	+25 44.4	2.483	3.461	2.4	18.8
2 11	8 50.20	+26 15.0	2.514	3.474	4.5	19.0
2 21	8 42.52	+26 35.1	2.575	3.487	7.3	19.2
3 2	8 36.32	+26 43.9	2.662	3.499	10.0	19.4
3 12	8 32.07	+26 41.9	2.771	3.511	12.2	19.6
421071 2013 QZ_{25}			2 1.7	185°.70	0°.7/ 2.3	18
1 2	9 20.85	+12 39.4	2.148	2.985	11.7	21.7
1 12	9 15.04	+13 13.4	2.072	2.985	8.4	21.5
1 22	9 7.43	+13 57.4	2.021	2.985	4.6	21.3
2 1	8 58.71	+14 47.5	2.000	2.984	0.9	21.0
2 11	8 49.83	+15 39.0	2.008	2.983	3.6	21.2
2 21	8 41.72	+16 27.1	2.047	2.981	7.5	21.5
3 2	8 35.23	+17 8.6	2.112	2.979	10.9	21.7
3 12	8 30.92	+17 41.0	2.199	2.977	13.9	21.9
424189 2007 JD_{24}			2 1.7	318°.95	4°.5/ 5.1	17
1 2	9 17.20	+ 2 1.2	1.708	2.525	15.1	21.2
1 12	9 12.91	+ 2 34.6	1.620	2.512	11.8	21.0
1 22	9 6.49	+ 3 32.2	1.555	2.499	8.1	20.7
2 1	8 58.66	+ 4 52.1	1.516	2.487	4.9	20.5
2 11	8 50.48	+ 6 28.4	1.505	2.475	5.4	20.5
2 21	8 43.08	+ 8 12.8	1.521	2.463	8.9	20.7
3 2	8 37.48	+ 9 56.6	1.563	2.452	12.8	20.9
3 12	8 34.43	+11 32.3	1.627	2.441	16.4	21.1
411357 2010 UV_{83}			2 1.7	97°.43	9°.1/ 9.4	18
1 2	9 22.29	−11 33.2	2.070	2.791	16.0	20.8
1 12	9 15.93	−12 4.5	2.013	2.816	13.7	20.7
1 22	9 7.82	−12 9.5	1.977	2.841	11.4	20.5
2 1	8 58.74	−11 46.6	1.965	2.866	9.6	20.5
2 11	8 49.68	−10 58.0	1.979	2.889	9.1	20.5
2 21	8 41.55	− 9 48.9	2.020	2.913	10.1	20.6
3 2	8 35.14	− 8 26.4	2.087	2.935	11.9	20.8
3 12	8 30.95	− 6 58.4	2.176	2.957	13.9	20.9
205274 2000 SC_{87}			2 1.7	99°.37	2°.5/31.2	18
1 2	9 25.50	+20 36.2	1.600	2.459	13.9	20.1
1 12	9 18.67	+21 38.7	1.551	2.477	9.7	19.9
1 22	9 9.44	+22 45.2	1.527	2.495	5.2	19.6
2 1	8 58.86	+23 47.9	1.531	2.512	2.5	19.5
2 11	8 48.32	+24 39.4	1.563	2.529	5.8	19.7
2 21	8 39.12	+25 15.4	1.623	2.546	10.0	20.0
3 2	8 32.31	+25 34.6	1.707	2.562	13.8	20.3
3 12	8 28.46	+25 38.3	1.811	2.577	16.8	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
307070 2002 AV_{31}			2 1.7	75°.63	8°.0/28.3	17
	h m	° ′			°	m
1 2	9 42.61	+ 3 7.7	0.282	1.194	37.0	19.8
1 12	9 33.24	+12 26.0	0.280	1.233	24.0	19.5
1 22	9 17.69	+21 51.5	0.295	1.271	11.7	19.3
2 1	8 59.38	+29 42.1	0.330	1.309	9.3	19.5
2 11	8 43.25	+35 3.1	0.383	1.346	17.2	20.2
2 21	8 32.80	+38 5.7	0.451	1.382	24.5	20.8
3 2	8 29.30	+39 26.4	0.531	1.415	29.9	21.4
3 12	8 32.22	+39 39.5	0.619	1.447	33.7	21.9
458776 2011 SP_{99}			2 1.7	87°.35	0°.5/ 2.1	18
1 2	9 24.83	+13 31.1	1.533	2.382	14.9	21.3
1 12	9 18.16	+14 6.2	1.483	2.403	10.6	21.1
1 22	9 9.16	+14 52.8	1.457	2.423	5.7	20.9
2 1	8 58.86	+15 45.0	1.458	2.443	0.8	20.6
2 11	8 48.64	+16 36.2	1.488	2.463	4.6	20.9
2 21	8 39.76	+17 20.8	1.545	2.482	9.2	21.2
3 2	8 33.23	+17 55.4	1.627	2.501	13.3	21.5
3 12	8 29.60	+18 18.3	1.730	2.520	16.6	21.8
496666 2016 BD_{70}			2 1.7	188°.91	1°.3/31.9	18
1 2	9 22.05	+17 35.9	1.835	2.688	12.6	21.9
1 12	9 16.19	+18 33.0	1.764	2.688	8.9	21.7
1 22	9 8.17	+19 38.0	1.719	2.688	4.7	21.4
2 1	8 58.81	+20 44.6	1.703	2.687	1.3	21.2
2 11	8 49.24	+21 46.0	1.716	2.686	4.8	21.4
2 21	8 40.63	+22 36.8	1.757	2.685	9.0	21.7
3 2	8 33.96	+23 14.0	1.823	2.683	12.8	21.9
3 12	8 29.89	+23 36.9	1.911	2.681	15.9	22.1
461072 2014 YR_{44}			2 1.8	46°.21	1°.3/31.8	18
1 2	9 20.04	+16 52.4	1.646	2.506	13.5	20.1
1 12	9 14.83	+18 3.2	1.591	2.518	9.4	19.8
1 22	9 7.44	+19 23.1	1.560	2.529	4.9	19.6
2 1	8 58.76	+20 44.5	1.557	2.541	1.3	19.4
2 11	8 49.99	+21 59.4	1.582	2.553	5.1	19.7
2 21	8 42.33	+23 1.7	1.635	2.566	9.4	19.9
3 2	8 36.75	+23 48.1	1.713	2.578	13.2	20.2
3 12	8 33.85	+24 17.8	1.811	2.591	16.3	20.4
372644 2009 WA_{24}			2 1.8	25°.55	12°.3/ 9.6	18
1 2	9 20.44	−14 4.7	1.762	2.484	18.4	20.0
1 12	9 15.07	−15 30.5	1.697	2.489	16.3	19.8
1 22	9 7.59	−16 26.9	1.650	2.495	14.3	19.7
2 1	8 58.77	−16 49.1	1.625	2.502	12.8	19.6
2 11	8 49.75	−16 36.2	1.622	2.508	12.3	19.6
2 21	8 41.65	−15 51.9	1.643	2.516	13.1	19.6
3 2	8 35.47	−14 43.4	1.685	2.524	14.7	19.8
3 12	8 31.85	−13 20.5	1.748	2.532	16.7	19.9
134236 2005 YO_{89}			2 1.8	188°.40	0°.8/ 2.3	18
1 2	9 21.56	+13 37.3	2.050	2.891	12.0	20.5
1 12	9 15.60	+13 51.5	1.976	2.891	8.6	20.3
1 22	9 7.76	+14 14.2	1.926	2.890	4.8	20.0
2 1	8 58.79	+14 42.3	1.905	2.890	1.0	19.8
2 11	8 49.68	+15 11.6	1.915	2.889	3.8	20.0
2 21	8 41.42	+15 38.5	1.952	2.888	7.7	20.2
3 2	8 34.87	+16 0.2	2.017	2.887	11.3	20.4
3 12	8 30.61	+16 14.8	2.103	2.886	14.3	20.6
129319 2005 TE_{23}			2 1.8	185°.37	6°.1/ 6.5	18
1 2	9 20.07	− 3 7.0	2.215	2.987	13.6	20.1
1 12	9 14.45	− 3 14.1	2.132	2.987	11.1	19.9
1 22	9 7.13	− 3 1.1	2.073	2.986	8.4	19.7
2 1	8 58.75	− 2 28.0	2.040	2.985	6.4	19.6
2 11	8 50.19	− 1 37.4	2.036	2.984	6.3	19.6
2 21	8 42.33	− 0 33.7	2.060	2.983	8.2	19.7
3 2	8 35.95	+ 0 37.2	2.111	2.981	10.9	19.9
3 12	8 31.64	+ 1 49.3	2.185	2.978	13.5	20.0
246049 2006 UR_{231}			2 1.8	155°.74	1°.3/31.5	18
1 2	9 19.14	+20 14.1	2.844	3.690	8.9	21.5
1 12	9 13.51	+20 56.1	2.775	3.696	6.2	21.3
1 22	9 6.51	+21 40.6	2.734	3.701	3.3	21.2
2 1	8 58.71	+22 24.0	2.724	3.707	1.4	21.0
2 11	8 50.83	+23 2.5	2.745	3.711	3.6	21.2
2 21	8 43.58	+23 33.4	2.796	3.716	6.5	21.4
3 2	8 37.59	+23 55.2	2.875	3.720	9.1	21.6
3 12	8 33.31	+24 7.6	2.977	3.724	11.3	21.7
466911 2015 FZ_{1}			2 1.8	95°.31	5°.3/28.7	18
1 2	9 22.77	+31 19.6	2.141	2.996	11.0	20.7
1 12	9 16.56	+32 24.6	2.084	3.000	8.2	20.6
1 22	9 8.30	+33 24.3	2.054	3.004	5.9	20.4
2 1	8 58.84	+34 11.8	2.052	3.008	5.4	20.4
2 11	8 49.31	+34 41.9	2.079	3.012	7.3	20.5
2 21	8 40.79	+34 52.7	2.132	3.016	10.0	20.7
3 2	8 34.20	+34 44.7	2.210	3.020	12.7	20.9
3 12	8 30.11	+34 20.8	2.308	3.024	15.0	21.1

403344 2009 EM_{24} 2 1.8 145.°04 1.°4/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 25.37	+19 26.1	1.768	2.621	13.1	21.9
1 12	9 18.51	+19 54.8	1.704	2.627	9.2	21.7
1 22	9 9.38	+20 27.9	1.665	2.633	4.9	21.4
2 1	8 58.92	+21 0.0	1.654	2.638	1.4	21.2
2 11	8 48.39	+21 25.7	1.673	2.643	4.9	21.4
2 21	8 39.01	+21 41.6	1.719	2.647	9.2	21.7
3 2	8 31.79	+21 46.5	1.791	2.652	12.9	21.9
3 12	8 27.34	+21 40.5	1.883	2.655	16.1	22.2

29304 1993 TF_{37} 2 1.8 68.°34 0.°0/ 1.7 18

1 2	9 22.57	+14 46.9	1.611	2.464	14.1	19.3
1 12	9 16.54	+15 28.1	1.560	2.483	9.9	19.1
1 22	9 8.31	+16 19.3	1.534	2.501	5.3	18.9
2 1	8 58.85	+17 14.4	1.534	2.520	0.4	18.5
2 11	8 49.43	+18 7.0	1.564	2.538	4.5	18.9
2 21	8 41.24	+18 51.7	1.621	2.557	9.0	19.2
3 2	8 35.23	+19 25.4	1.702	2.575	12.9	19.5
3 12	8 31.94	+19 46.8	1.805	2.594	16.1	19.7

341329 2007 TZ_{30} 2 1.8 132.°48 5.°3/27.9 18

1 2	9 24.38	+35 51.5	2.824	3.662	9.2	21.2
1 12	9 17.27	+36 45.7	2.776	3.677	7.1	21.1
1 22	9 8.52	+37 31.8	2.756	3.690	5.6	21.0
2 1	8 58.86	+38 4.7	2.766	3.704	5.4	21.0
2 11	8 49.23	+38 21.2	2.805	3.716	6.7	21.1
2 21	8 40.49	+38 20.5	2.871	3.729	8.6	21.2
3 2	8 33.39	+38 3.7	2.963	3.740	10.6	21.4
3 12	8 28.41	+37 33.5	3.076	3.752	12.3	21.5

134459 1998 SS_{131} 2 1.8 148.°38 4.°7/29.7 18

1 2	9 28.55	+30 39.6	2.172	3.019	11.2	20.7
1 12	9 20.48	+31 24.1	2.116	3.029	8.3	20.5
1 22	9 10.32	+32 2.4	2.087	3.039	5.6	20.4
2 1	8 59.00	+32 28.4	2.087	3.049	4.8	20.3
2 11	8 47.71	+32 37.9	2.117	3.057	6.7	20.5
2 21	8 37.60	+32 29.6	2.175	3.065	9.6	20.6
3 2	8 29.59	+32 5.2	2.259	3.073	12.3	20.8
3 12	8 24.21	+31 27.9	2.363	3.079	14.7	21.0

493194 2014 UE_{26} 2 1.8 238.°38 2.°4/ 3.3 17

1 2	9 22.99	+ 8 38.2	2.008	2.832	12.9	22.3
1 12	9 16.81	+ 8 53.2	1.914	2.817	9.6	22.1
1 22	9 8.54	+ 9 22.0	1.845	2.801	5.9	21.8
2 1	8 58.89	+10 2.2	1.804	2.784	2.6	21.6
2 11	8 48.86	+10 49.4	1.794	2.767	4.2	21.7
2 21	8 39.54	+11 39.0	1.812	2.749	8.2	21.9
3 2	8 31.92	+12 26.1	1.857	2.730	12.0	22.0
3 12	8 26.71	+13 7.3	1.925	2.710	15.3	22.2

53735 2000 EQ_{47} 2 1.8 191.°70 1.°8/31.5 18

1 2	9 23.81	+20 55.5	2.186	3.034	11.1	19.6
1 12	9 17.18	+21 33.2	2.112	3.033	7.8	19.4
1 22	9 8.62	+22 13.9	2.064	3.031	4.2	19.2
2 1	8 58.89	+22 52.4	2.047	3.029	1.8	19.0
2 11	8 49.01	+23 24.1	2.059	3.026	4.6	19.2
2 21	8 39.99	+23 45.7	2.101	3.022	8.2	19.4
3 2	8 32.71	+23 55.9	2.169	3.018	11.5	19.6
3 12	8 27.77	+23 54.9	2.259	3.013	14.3	19.8

455014 2015 TK_{287} 2 1.8 78.°00 0.°4/ 1.6 17

1 2	9 29.99	+17 57.1	1.365	2.221	16.0	21.2
1 12	9 21.94	+17 55.0	1.318	2.242	11.3	21.0
1 22	9 11.20	+17 58.5	1.295	2.263	6.0	20.7
2 1	8 59.07	+18 2.7	1.299	2.284	0.5	20.4
2 11	8 47.18	+18 3.1	1.331	2.305	5.2	20.8
2 21	8 37.04	+17 57.3	1.390	2.326	10.2	21.1
3 2	8 29.73	+17 44.5	1.473	2.346	14.5	21.4
3 12	8 25.76	+17 24.9	1.575	2.366	17.9	21.7

178643 2000 JE_{94} 2 1.8 210.°37 0.°5/ 1.3 18

1 2	9 21.10	+15 5.8	2.137	2.980	11.5	20.3
1 12	9 15.35	+16 11.6	2.057	2.975	8.1	20.1
1 22	9 7.70	+17 27.3	2.003	2.969	4.3	19.9
2 1	8 58.83	+18 47.2	1.978	2.963	0.6	19.5
2 11	8 49.70	+20 5.0	1.985	2.957	4.1	19.8
2 21	8 41.29	+21 14.9	2.022	2.950	8.0	20.0
3 2	8 34.50	+22 13.0	2.085	2.942	11.5	20.2
3 12	8 29.97	+22 57.5	2.170	2.934	14.5	20.4

317132 2001 UV_{67} 2 1.8 152.°92 0.°5/ 2.1 18

1 2	9 21.46	+13 31.4	1.885	2.729	12.8	20.9
1 12	9 15.68	+14 5.2	1.814	2.732	9.1	20.7
1 22	9 7.88	+14 49.4	1.768	2.734	5.0	20.4
2 1	8 58.85	+15 39.5	1.751	2.736	0.7	20.1
2 11	8 49.67	+16 30.1	1.763	2.738	4.0	20.4
2 21	8 41.42	+17 16.0	1.804	2.740	8.2	20.6
3 2	8 35.00	+17 53.8	1.870	2.741	12.0	20.9
3 12	8 31.04	+18 21.4	1.959	2.743	15.1	21.1

284367 2006 SD_{183} 2 1.8 154.°37 0.°1/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 19.00	+15 14.9	2.851	3.686	9.2	22.0
1 12	9 13.39	+15 40.1	2.778	3.693	6.5	21.8
1 22	9 6.45	+16 10.7	2.734	3.699	3.5	21.7
2 1	8 58.75	+16 43.8	2.719	3.704	0.3	21.4
2 11	8 50.98	+17 16.1	2.736	3.710	2.9	21.6
2 21	8 43.82	+17 45.1	2.784	3.714	5.9	21.8
3 2	8 37.88	+18 8.5	2.859	3.719	8.7	22.0
3 12	8 33.59	+18 25.4	2.959	3.723	11.0	22.2

454868 2015 TB_{23} 2 1.8 103.°80 2.°1/31.6 17

1 2	9 27.94	+20 0.6	1.552	2.407	14.4	21.6
1 12	9 20.41	+20 48.1	1.504	2.429	10.1	21.4
1 22	9 10.40	+21 39.8	1.482	2.449	5.4	21.1
2 1	8 59.04	+22 28.2	1.487	2.470	2.1	21.0
2 11	8 47.80	+23 6.7	1.521	2.489	5.6	21.2
2 21	8 38.04	+23 31.5	1.582	2.508	10.0	21.5
3 2	8 30.80	+23 41.6	1.668	2.527	13.9	21.8
3 12	8 26.63	+23 38.4	1.774	2.544	17.0	22.1

436969 2012 TW_{174} 2 1.8 7.°36 3.°7/ 4.4 17

1 2	9 17.93	+ 4 57.9	2.095	2.912	12.7	21.3
1 12	9 13.02	+ 4 59.2	2.019	2.913	9.7	21.1
1 22	9 6.40	+ 5 15.7	1.967	2.914	6.5	20.9
2 1	8 58.76	+ 5 45.8	1.943	2.915	3.9	20.7
2 11	8 50.98	+ 6 26.1	1.947	2.916	4.5	20.8
2 21	8 43.95	+ 7 12.4	1.980	2.918	7.5	20.9
3 2	8 38.45	+ 8 0.0	2.039	2.920	10.7	21.1
3 12	8 35.03	+ 8 44.6	2.121	2.922	13.6	21.3

124467 2001 QW_{327} 2 1.8 91.°53 3.°8/30.7 18

1 2	9 27.67	+23 28.4	1.433	2.297	14.9	19.8
1 12	9 20.44	+24 32.4	1.388	2.316	10.5	19.6
1 22	9 10.50	+25 37.2	1.368	2.335	6.0	19.4
2 1	8 59.05	+26 33.6	1.375	2.353	3.8	19.3
2 11	8 47.72	+27 14.0	1.410	2.371	7.0	19.5
2 21	8 38.01	+27 34.9	1.471	2.389	11.2	19.8
3 2	8 31.04	+27 36.7	1.555	2.407	15.1	20.1
3 12	8 27.36	+27 22.3	1.658	2.424	18.2	20.4

227496 2005 XW_{72} 2 1.8 344.°00 6.°0/28.2 18

1 2	9 22.51	+30 13.8	1.789	2.652	12.4	19.9
1 12	9 16.79	+31 45.2	1.729	2.651	9.2	19.7
1 22	9 8.63	+33 13.1	1.696	2.649	6.6	19.6
2 1	8 58.93	+34 27.9	1.690	2.648	6.3	19.5
2 11	8 49.01	+35 22.0	1.712	2.647	8.5	19.7
2 21	8 40.21	+35 51.9	1.760	2.646	11.7	19.9
3 2	8 33.64	+35 57.9	1.830	2.645	14.7	20.0
3 12	8 30.00	+35 43.3	1.919	2.644	17.3	20.2

256251 2006 WF_{28} 2 1.8 105.°66 0.°2/ 1.7 18

1 2	9 22.28	+15 30.0	1.757	2.608	13.2	20.9
1 12	9 16.35	+16 5.8	1.692	2.614	9.4	20.6
1 22	9 8.27	+16 50.7	1.652	2.619	5.0	20.4
2 1	8 58.90	+17 39.3	1.639	2.624	0.4	20.0
2 11	8 49.42	+18 25.8	1.656	2.629	4.4	20.4
2 21	8 40.98	+19 5.4	1.700	2.635	8.8	20.7
3 2	8 34.55	+19 34.9	1.770	2.640	12.6	20.9
3 12	8 30.75	+19 53.1	1.860	2.644	15.8	21.1

450174 2001 TD_{19} 2 1.8 133.°35 2.°4/ 3.3 18

1 2	9 25.91	+ 8 52.0	1.896	2.719	13.6	22.0
1 12	9 18.65	+ 9 5.5	1.834	2.736	10.0	21.8
1 22	9 9.39	+ 9 32.1	1.797	2.753	6.0	21.6
2 1	8 58.99	+10 8.8	1.788	2.768	2.6	21.5
2 11	8 48.58	+10 50.8	1.810	2.783	4.2	21.6
2 21	8 39.23	+11 33.6	1.861	2.797	8.0	21.8
3 2	8 31.83	+12 12.9	1.939	2.810	11.6	22.1
3 12	8 26.95	+12 45.9	2.039	2.822	14.7	22.3

55394 2001 SN_{280} 2 1.8 294.°89 3.°5/ 3.9 18

1 2	9 20.38	+ 6 45.9	1.723	2.553	14.4	18.7
1 12	9 15.19	+ 6 48.1	1.637	2.540	10.9	18.5
1 22	9 7.77	+ 7 7.1	1.574	2.527	7.0	18.2
2 1	8 58.90	+ 7 41.3	1.537	2.514	3.8	18.0
2 11	8 49.67	+ 8 26.5	1.529	2.501	5.0	18.0
2 21	8 41.28	+ 9 17.4	1.547	2.488	8.9	18.2
3 2	8 34.78	+10 8.3	1.591	2.476	13.0	18.4
3 12	8 30.91	+10 54.3	1.657	2.463	16.5	18.6

209166 2003 UX_{92} 2 1.8 176.°98 4.°2/30.1 18

1 2	9 26.83	+27 3.0	1.888	2.742	12.3	20.5
1 12	9 19.61	+27 55.1	1.823	2.744	8.8	20.3
1 22	9 10.03	+28 45.1	1.785	2.746	5.5	20.1
2 1	8 59.05	+29 25.5	1.775	2.747	4.3	20.0
2 11	8 47.96	+29 50.7	1.795	2.747	6.7	20.2
2 21	8 38.02	+29 58.2	1.842	2.747	10.2	20.4
3 2	8 30.29	+29 48.3	1.914	2.746	13.5	20.6
3 12	8 25.40	+29 23.7	2.006	2.745	16.3	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
413703 2005 YQ_{59}			2 1.8 27.°77	6.°3/29.7 16		
	h m	° ′			°	m
1 2	9 23.27	+28 35.1	1.169	2.051	16.2	20.1
1 12	9 17.70	+29 40.6	1.139	2.071	11.7	19.9
1 22	9 9.12	+30 39.7	1.130	2.092	7.7	19.7
2 1	8 58.97	+31 21.9	1.145	2.115	6.5	19.7
2 11	8 49.12	+31 40.0	1.185	2.139	9.2	19.9
2 21	8 41.20	+31 32.8	1.249	2.164	13.1	20.2
3 2	8 36.32	+31 3.4	1.333	2.189	16.8	20.5
3 12	8 34.93	+30 16.8	1.435	2.216	19.8	20.8
161634 2005 YN_{277}			2 1.8 119.°88	0.°7/ 2.2 17		
1 2	9 27.35	+13 33.9	1.773	2.611	13.7	20.9
1 12	9 19.73	+13 59.6	1.719	2.633	9.8	20.7
1 22	9 9.98	+14 34.8	1.689	2.653	5.3	20.5
2 1	8 59.05	+15 14.9	1.689	2.674	0.9	20.2
2 11	8 48.18	+15 54.4	1.718	2.693	4.2	20.5
2 21	8 38.55	+16 29.0	1.777	2.711	8.5	20.8
3 2	8 31.08	+16 55.9	1.862	2.728	12.3	21.1
3 12	8 26.31	+17 13.6	1.968	2.745	15.3	21.3
130392 2000 KM_{60}			2 1.8 140.°18	0.°9/31.9 18		
1 2	9 19.53	+18 34.0	2.891	3.732	8.9	20.8
1 12	9 13.77	+19 16.9	2.826	3.744	6.2	20.6
1 22	9 6.67	+20 3.2	2.789	3.756	3.3	20.4
2 1	8 58.83	+20 49.3	2.783	3.767	0.9	20.2
2 11	8 50.92	+21 31.5	2.809	3.777	3.3	20.5
2 21	8 43.65	+22 7.0	2.865	3.788	6.2	20.7
3 2	8 37.61	+22 34.1	2.949	3.797	8.8	20.8
3 12	8 33.24	+22 52.2	3.056	3.806	11.0	21.0
83 Beatrix			2 1.8 302.°44	3.°5/30.9 18		
1 2	9 24.33	+23 28.4	1.497	2.364	14.2	12.2
1 12	9 18.34	+24 15.3	1.426	2.355	10.1	11.9
1 22	9 9.58	+25 4.8	1.380	2.347	5.8	11.7
2 1	8 59.05	+25 48.7	1.359	2.338	3.6	11.5
2 11	8 48.23	+26 19.6	1.366	2.330	6.8	11.7
2 21	8 38.66	+26 33.5	1.399	2.322	11.3	11.9
3 2	8 31.61	+26 29.4	1.455	2.315	15.5	12.1
3 12	8 27.83	+26 9.3	1.530	2.307	19.0	12.4
367968 2012 DC_{89}			2 1.8 248.°78	2.°1/31.3 18		
1 2	9 21.98	+19 40.6	1.829	2.686	12.5	20.9
1 12	9 16.29	+20 42.9	1.753	2.679	8.8	20.7
1 22	9 8.34	+21 51.8	1.703	2.671	4.7	20.4
2 1	8 58.96	+23 0.6	1.681	2.663	2.1	20.2
2 11	8 49.28	+24 1.9	1.689	2.655	5.3	20.4
2 21	8 40.52	+24 50.6	1.724	2.647	9.5	20.6
3 2	8 33.72	+25 23.8	1.784	2.639	13.3	20.8
3 12	8 29.58	+25 41.3	1.865	2.631	16.4	21.0
104594 2000 GA_{90}			2 1.8 17.°57	1.°1/ 2.7 18		
1 2	9 18.00	+10 37.4	1.894	2.736	12.8	19.0
1 12	9 13.25	+11 26.9	1.824	2.738	9.3	18.8
1 22	9 6.62	+12 30.4	1.778	2.741	5.2	18.6
2 1	8 58.83	+13 43.1	1.760	2.744	1.4	18.3
2 11	8 50.88	+14 58.7	1.772	2.747	3.8	18.5
2 21	8 43.77	+16 10.8	1.812	2.751	7.9	18.7
3 2	8 38.37	+17 14.6	1.878	2.755	11.6	19.0
3 12	8 35.28	+18 6.7	1.966	2.759	14.8	19.2
239653 2008 WF_{98}			2 1.8 359.°87	10.°3/22.3 17		
1 2	9 22.78	+41 25.6	1.806	2.656	13.0	19.2
1 12	9 17.50	+44 2.4	1.765	2.654	11.1	19.0
1 22	9 9.27	+46 25.3	1.749	2.653	10.3	19.0
2 1	8 59.03	+48 21.6	1.760	2.653	11.0	19.0
2 11	8 48.33	+49 42.9	1.795	2.653	12.8	19.1
2 21	8 38.81	+50 26.9	1.853	2.654	15.0	19.3
3 2	8 31.92	+50 36.5	1.930	2.656	17.2	19.5
3 12	8 28.51	+50 17.9	2.022	2.658	19.0	19.6
316539 2010 WN_{68}			2 1.8 332.°15	0.°5/ 1.4 17		
1 2	9 16.71	+17 45.0	2.838	3.683	8.9	20.9
1 12	9 11.87	+18 6.0	2.758	3.678	6.3	20.7
1 22	9 5.71	+18 30.9	2.706	3.673	3.3	20.5
2 1	8 58.77	+18 56.9	2.683	3.668	0.5	20.3
2 11	8 51.72	+19 21.0	2.692	3.664	3.1	20.5
2 21	8 45.23	+19 40.7	2.729	3.659	6.1	20.7
3 2	8 39.92	+19 54.4	2.794	3.655	8.8	20.8
3 12	8 36.24	+20 1.1	2.883	3.651	11.2	21.0
426888 2013 WZ_{52}			2 1.8 144.°46	0.°4/ 2.0 18		
1 2	9 21.57	+15 16.3	2.267	3.108	11.0	20.6
1 12	9 15.48	+15 23.3	2.195	3.110	7.9	20.4
1 22	9 7.69	+15 36.4	2.148	3.113	4.3	20.2
2 1	8 58.91	+15 52.6	2.131	3.116	0.6	19.9
2 11	8 50.06	+16 8.7	2.144	3.118	3.5	20.2
2 21	8 42.00	+16 22.0	2.187	3.121	7.1	20.4
3 2	8 35.53	+16 30.5	2.256	3.123	10.4	20.6
3 12	8 31.15	+16 33.0	2.349	3.125	13.1	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
459121 2012 BW_{138}			2 1.8 312.°97	0.°3/ 1.9 18		
	h m	° ′			°	m
1 2	9 23.38	+15 36.1	1.595	2.449	14.2	21.3
1 12	9 17.40	+15 43.3	1.521	2.443	10.2	21.0
1 22	9 8.98	+15 59.0	1.470	2.437	5.5	20.7
2 1	8 59.02	+16 19.2	1.447	2.432	0.6	20.3
2 11	8 48.83	+16 39.0	1.451	2.426	4.6	20.6
2 21	8 39.73	+16 54.5	1.483	2.421	9.4	20.9
3 2	8 32.86	+17 3.0	1.539	2.416	13.7	21.1
3 12	8 28.91	+17 3.1	1.615	2.411	17.3	21.4
286414 2001 YV_{126}			2 1.8 100.°25	1.°4/ 1.1 18		
1 2	9 28.32	+19 40.2	1.523	2.379	14.6	20.5
1 12	9 20.75	+19 57.9	1.469	2.393	10.3	20.3
1 22	9 10.65	+20 19.5	1.440	2.408	5.4	20.0
2 1	8 59.14	+20 39.2	1.438	2.422	1.4	19.8
2 11	8 47.72	+20 52.0	1.465	2.436	5.2	20.1
2 21	8 37.79	+20 54.9	1.519	2.450	9.9	20.4
3 2	8 30.43	+20 47.4	1.597	2.463	14.0	20.7
3 12	8 26.19	+20 30.2	1.696	2.476	17.3	20.9
70192 1999 RE_{12}			2 1.8 185.°22	0.°7/ 2.2 18		
1 2	9 24.12	+13 25.8	2.089	2.924	12.1	20.7
1 12	9 17.45	+13 49.9	2.011	2.924	8.7	20.4
1 22	9 8.83	+14 23.0	1.960	2.924	4.8	20.2
2 1	8 59.02	+15 1.4	1.938	2.922	0.9	19.9
2 11	8 49.04	+15 40.6	1.946	2.921	3.8	20.1
2 21	8 39.90	+16 16.4	1.985	2.918	7.8	20.4
3 2	8 32.50	+16 45.8	2.050	2.915	11.4	20.6
3 12	8 27.45	+17 7.1	2.137	2.911	14.4	20.8
219687 2001 WV_{37}			2 1.8 178.°18	1.°5/31.7 18		
1 2	9 22.68	+19 22.6	2.160	3.008	11.2	21.1
1 12	9 16.42	+20 7.4	2.088	3.010	7.9	20.8
1 22	9 8.27	+20 56.8	2.043	3.011	4.2	20.6
2 1	8 58.98	+21 45.5	2.028	3.011	1.5	20.4
2 11	8 49.55	+22 28.5	2.043	3.012	4.4	20.6
2 21	8 40.96	+23 1.9	2.088	3.011	8.1	20.9
3 2	8 34.08	+23 24.0	2.158	3.010	11.4	21.1
3 12	8 29.49	+23 34.4	2.251	3.009	14.2	21.3
322327 2011 GV_{72}			2 1.8 248.°16	0.°5/ 2.2 17		
1 2	9 20.43	+13 55.1	2.129	2.971	11.6	21.5
1 12	9 14.85	+14 17.4	2.050	2.966	8.3	21.3
1 22	9 7.45	+14 48.4	1.995	2.960	4.6	21.1
2 1	8 58.93	+15 24.4	1.970	2.955	0.7	20.8
2 11	8 50.21	+16 1.4	1.975	2.949	3.7	21.0
2 21	8 42.27	+16 35.2	2.008	2.944	7.5	21.2
3 2	8 35.93	+17 3.0	2.068	2.938	11.1	21.4
3 12	8 31.78	+17 22.8	2.150	2.932	14.0	21.6
194481 2001 WA_{37}			2 1.8 169.°36	5.°1/ 5.1 18		
1 2	9 23.94	+ 1 40.1	1.879	2.678	14.7	21.5
1 12	9 17.44	+ 1 34.9	1.804	2.683	11.5	21.3
1 22	9 8.87	+ 1 49.1	1.751	2.687	8.1	21.1
2 1	8 59.03	+ 2 21.7	1.726	2.690	5.5	21.0
2 11	8 49.01	+ 3 9.4	1.730	2.692	5.8	21.0
2 21	8 39.90	+ 4 6.7	1.762	2.694	8.7	21.2
3 2	8 32.64	+ 5 7.7	1.820	2.695	12.1	21.4
3 12	8 27.87	+ 6 6.7	1.901	2.695	15.2	21.6
167043 2003 QD_{52}			2 1.8 59.°61	0.°3/ 2.0 18		
1 2	9 21.00	+10 42.9	1.407	2.259	15.8	19.5
1 12	9 15.81	+12 15.1	1.351	2.272	11.3	19.2
1 22	9 8.15	+14 6.4	1.319	2.285	6.1	19.0
2 1	8 58.98	+16 7.8	1.314	2.299	0.7	18.6
2 11	8 49.69	+18 7.5	1.337	2.312	4.9	19.0
2 21	8 41.63	+19 55.3	1.388	2.326	10.0	19.3
3 2	8 35.92	+21 24.3	1.463	2.340	14.3	19.6
3 12	8 33.21	+22 32.0	1.559	2.354	17.9	19.9
208617 2002 EB_{3}			2 1.8 208.°59	4.°0/30.3 18		
1 2	9 38.15	+26 12.2	2.114	2.945	12.1	22.4
1 12	9 27.74	+27 19.6	2.025	2.935	8.8	22.2
1 22	9 14.54	+28 26.1	1.965	2.922	5.4	21.9
2 1	8 59.48	+29 23.2	1.937	2.908	4.1	21.8
2 11	8 43.93	+30 3.6	1.943	2.891	6.6	21.9
2 21	8 29.39	+30 23.7	1.980	2.872	10.3	22.1
3 2	8 17.17	+30 24.0	2.044	2.850	13.7	22.3
3 12	8 8.07	+30 8.0	2.130	2.826	16.6	22.5
248742 2006 QP_{139}			2 1.8 142.°30	0.°6/ 2.3 18		
1 2	9 18.33	+12 21.1	2.603	3.436	10.0	21.1
1 12	9 13.07	+13 6.1	2.531	3.442	7.2	20.9
1 22	9 6.38	+13 59.7	2.486	3.449	3.9	20.7
2 1	8 58.86	+14 58.5	2.470	3.455	0.7	20.5
2 11	8 51.22	+15 57.9	2.486	3.461	3.0	20.7
2 21	8 44.22	+16 54.1	2.533	3.466	6.3	20.9
3 2	8 38.50	+17 43.7	2.607	3.472	9.2	21.1
3 12	8 34.53	+18 24.8	2.705	3.477	11.7	21.3

277576 2005 YA_{202} 2 1.8 71.°50 0.°8/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 21.02	+13 5.4	1.854	2.698	12.9	21.2
1 12	9 15.37	+13 31.8	1.789	2.706	9.2	20.9
1 22	9 7.74	+14 8.6	1.749	2.714	5.1	20.7
2 1	8 58.96	+14 51.5	1.737	2.722	1.0	20.4
2 11	8 50.09	+15 35.6	1.754	2.730	3.9	20.7
2 21	8 42.19	+16 16.0	1.800	2.738	8.1	20.9
3 2	8 36.15	+16 49.4	1.871	2.745	11.8	21.2
3 12	8 32.53	+17 13.6	1.964	2.753	14.9	21.4

377169 2003 TB_{8} 2 1.8 155.°99 3.°4/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.74	+ 5 22.1	2.388	3.196	11.7	21.1
1 12	9 14.82	+ 5 14.5	2.312	3.201	8.9	20.9
1 22	9 7.34	+ 5 19.4	2.261	3.205	5.9	20.8
2 1	8 58.93	+ 5 35.7	2.239	3.209	3.6	20.6
2 11	8 50.42	+ 6 0.8	2.246	3.213	4.2	20.7
2 21	8 42.61	+ 6 31.5	2.283	3.217	6.9	20.8
3 2	8 36.23	+ 7 4.3	2.348	3.220	9.8	21.0
3 12	8 31.77	+ 7 35.6	2.436	3.223	12.4	21.2

74054 1998 JT_{4} 2 1.8 288.°27 1.°6/31.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 16.96	+21 46.0	3.026	3.875	8.3	19.4
1 12	9 12.07	+22 21.0	2.939	3.861	5.8	19.2
1 22	9 5.86	+22 58.0	2.881	3.847	3.2	19.0
2 1	8 58.83	+23 33.4	2.852	3.833	1.6	18.9
2 11	8 51.64	+24 4.1	2.854	3.819	3.6	19.0
2 21	8 44.96	+24 27.5	2.886	3.804	6.3	19.2
3 2	8 39.40	+24 42.2	2.945	3.790	8.9	19.3
3 12	8 35.43	+24 47.9	3.027	3.776	11.1	19.5

8975 Atthis 2 1.8 311.°36 2.°2/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.12	+20 9.7	1.404	2.272	14.9	18.1
1 12	9 17.65	+20 48.2	1.329	2.259	10.6	17.9
1 22	9 9.32	+21 33.4	1.276	2.246	5.7	17.5
2 1	8 59.10	+22 18.2	1.250	2.233	2.2	17.3
2 11	8 48.49	+22 54.7	1.251	2.221	6.2	17.5
2 21	8 39.08	+23 17.7	1.277	2.209	11.2	17.7
3 2	8 32.22	+23 24.9	1.326	2.198	15.8	18.0
3 12	8 28.72	+23 16.8	1.393	2.187	19.7	18.2

289178 2004 VV_{72} 2 1.8 59.°43 0.°0/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.37	+16 55.5	1.264	2.125	16.7	20.6
1 12	9 20.93	+16 57.4	1.223	2.149	11.8	20.4
1 22	9 10.76	+17 6.9	1.204	2.173	6.2	20.2
2 1	8 59.19	+17 18.9	1.212	2.197	0.4	19.8
2 11	8 47.90	+17 28.2	1.246	2.221	5.2	20.2
2 21	8 38.43	+17 31.3	1.307	2.246	10.4	20.6
3 2	8 31.83	+17 26.9	1.390	2.270	14.7	20.9
3 12	8 28.61	+17 14.7	1.494	2.295	18.3	21.2

466567 2014 TO_{68} 2 1.8 338.°91 7.°4/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.87	+34 20.7	1.724	2.582	13.1	21.2
1 12	9 19.31	+35 38.7	1.668	2.581	10.1	21.0
1 22	9 10.05	+36 48.0	1.637	2.580	7.8	20.9
2 1	8 59.15	+37 39.0	1.633	2.580	7.6	20.9
2 11	8 48.11	+38 4.9	1.655	2.579	9.6	21.0
2 21	8 38.42	+38 4.0	1.702	2.578	12.6	21.2
3 2	8 31.27	+37 38.5	1.771	2.577	15.5	21.3
3 12	8 27.33	+36 53.5	1.859	2.577	18.1	21.5

219388 2000 SC_{134} 2 1.8 42.°10 0.°1/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.60	+17 18.2	1.608	2.463	14.0	19.5
1 12	9 18.05	+17 14.4	1.550	2.473	9.9	19.3
1 22	9 9.22	+17 16.4	1.516	2.483	5.3	19.0
2 1	8 59.09	+17 20.4	1.509	2.494	0.4	18.7
2 11	8 48.99	+17 22.4	1.530	2.505	4.5	19.0
2 21	8 40.18	+17 19.8	1.579	2.517	9.1	19.3
3 2	8 33.64	+17 11.2	1.653	2.528	13.1	19.6
3 12	8 29.94	+16 56.2	1.748	2.540	16.3	19.8

325551 2009 SM_{78} 2 1.8 193.°72 5.°0/29.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.37	+32 45.3	2.409	3.251	10.4	21.7
1 12	9 20.39	+33 24.8	2.341	3.249	7.9	21.6
1 22	9 10.38	+33 57.3	2.299	3.246	5.6	21.4
2 1	8 59.19	+34 17.1	2.287	3.242	5.1	21.4
2 11	8 47.93	+34 20.1	2.305	3.238	6.7	21.5
2 21	8 37.69	+34 5.3	2.352	3.233	9.3	21.6
3 2	8 29.37	+33 34.4	2.424	3.228	11.9	21.8
3 12	8 23.55	+32 50.4	2.518	3.222	14.1	21.9

287762 2003 SH_{61} 2 1.8 100.°08 1.°2/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.95	+18 14.6	1.696	2.548	13.6	21.1
1 12	9 18.89	+18 56.5	1.646	2.569	9.5	20.9
1 22	9 9.62	+19 44.1	1.621	2.589	5.0	20.6
2 1	8 59.13	+20 31.0	1.625	2.609	1.2	20.4
2 11	8 48.71	+21 11.2	1.657	2.628	4.8	20.7
2 21	8 39.57	+21 40.9	1.718	2.647	9.1	21.0
3 2	8 32.68	+21 58.2	1.804	2.665	12.8	21.3
3 12	8 28.56	+22 3.4	1.911	2.683	15.9	21.5

403511 2009 WY_{89} 2 1.8 140.°26 0.°1/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 21.10	+15 21.7	2.181	3.024	11.3	21.8
1 12	9 15.24	+15 59.7	2.113	3.031	8.0	21.6
1 22	9 7.63	+16 45.1	2.071	3.037	4.3	21.4
2 1	8 58.99	+17 33.6	2.058	3.043	0.3	21.1
2 11	8 50.24	+18 20.4	2.076	3.049	3.7	21.4
2 21	8 42.32	+19 1.4	2.123	3.055	7.4	21.6
3 2	8 36.02	+19 33.9	2.197	3.060	10.8	21.8
3 12	8 31.87	+19 56.6	2.293	3.065	13.5	22.0

88588 2001 QP_{263} 2 1.8 92.°79 1.°3/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.62	+19 3.3	1.773	2.628	12.9	19.2
1 12	9 17.31	+19 35.1	1.712	2.636	9.1	19.0
1 22	9 8.82	+20 11.7	1.676	2.644	4.8	18.7
2 1	8 59.07	+20 47.9	1.668	2.652	1.3	18.5
2 11	8 49.28	+21 18.2	1.689	2.660	4.8	18.8
2 21	8 40.60	+21 38.9	1.738	2.668	9.0	19.0
3 2	8 34.00	+21 48.5	1.812	2.676	12.7	19.3
3 12	8 30.07	+21 47.0	1.907	2.683	15.8	19.5

90087 2002 WS_{2} 2 1.8 311.°42 2.°9/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.41	+22 40.8	2.080	2.940	11.1	19.2
1 12	9 14.31	+23 51.5	2.007	2.933	7.8	19.0
1 22	9 7.26	+25 5.6	1.960	2.926	4.5	18.8
2 1	8 58.97	+26 16.7	1.942	2.919	3.0	18.7
2 11	8 50.44	+27 18.1	1.953	2.913	5.6	18.8
2 21	8 42.71	+28 5.4	1.993	2.906	9.0	19.0
3 2	8 36.67	+28 36.6	2.057	2.900	12.3	19.2
3 12	8 32.98	+28 51.7	2.143	2.894	15.0	19.4

373426 1999 RE_{178} 2 1.8 72.°07 2.°3/ 3.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.72	+ 8 18.1	1.935	2.766	13.1	21.8
1 12	9 14.45	+ 8 42.1	1.862	2.768	9.7	21.6
1 22	9 7.29	+ 9 20.6	1.812	2.769	5.9	21.4
2 1	8 58.97	+10 10.5	1.791	2.771	2.6	21.2
2 11	8 50.49	+11 7.0	1.798	2.773	4.0	21.3
2 21	8 42.85	+12 4.5	1.834	2.774	7.8	21.5
3 2	8 36.91	+12 58.3	1.897	2.776	11.4	21.7
3 12	8 33.27	+13 44.7	1.981	2.778	14.6	21.9

398474 2011 UK_{127} 2 1.8 145.°45 2.°2/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.25	+ 8 37.8	2.025	2.846	12.9	22.3
1 12	9 17.49	+ 9 0.4	1.957	2.859	9.5	22.1
1 22	9 8.84	+ 9 36.1	1.915	2.871	5.7	21.9
2 1	8 59.09	+10 21.7	1.902	2.882	2.4	21.7
2 11	8 49.26	+11 12.4	1.919	2.892	3.9	21.8
2 21	8 40.36	+12 3.4	1.966	2.902	7.7	22.0
3 2	8 33.24	+12 50.4	2.040	2.910	11.2	22.3
3 12	8 28.45	+13 30.4	2.137	2.918	14.1	22.5

22666 Josephchurch 2 1.8 244.°15 1.°2/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.09	+13 14.2	1.815	2.656	13.3	18.5
1 12	9 17.75	+13 18.9	1.732	2.647	9.7	18.2
1 22	9 9.16	+13 33.3	1.673	2.637	5.5	18.0
2 1	8 59.13	+13 54.3	1.643	2.627	1.4	17.7
2 11	8 48.81	+14 17.7	1.642	2.616	4.2	17.8
2 21	8 39.40	+14 39.6	1.669	2.606	8.7	18.1
3 2	8 31.95	+14 56.8	1.721	2.595	12.7	18.3
3 12	8 27.16	+15 7.4	1.795	2.584	16.1	18.5

209670 2005 CN_{58} 2 1.8 6.°36 3.°8/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.66	+ 6 25.2	1.397	2.238	16.6	20.0
1 12	9 15.67	+ 6 35.6	1.329	2.238	12.5	19.7
1 22	9 8.15	+ 7 7.0	1.283	2.238	8.0	19.5
2 1	8 59.05	+ 7 56.7	1.261	2.239	4.2	19.2
2 11	8 49.73	+ 8 58.7	1.266	2.240	5.4	19.3
2 21	8 41.55	+10 5.2	1.297	2.242	9.8	19.6
3 2	8 35.68	+11 9.0	1.352	2.244	14.3	19.8
3 12	8 32.82	+12 4.4	1.427	2.247	18.1	20.1

147773 2005 QF_{82} 2 1.8 221.°06 0.°6/ 1.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.51	+16 32.6	2.097	2.942	11.6	21.4
1 12	9 16.44	+17 12.3	2.015	2.934	8.2	21.1
1 22	9 8.38	+17 59.4	1.959	2.926	4.4	20.9
2 1	8 59.07	+18 49.3	1.932	2.917	0.6	20.6
2 11	8 49.51	+19 36.6	1.935	2.907	4.1	20.8
2 21	8 40.73	+20 17.1	1.968	2.898	8.1	21.0
3 2	8 33.64	+20 47.7	2.027	2.887	11.7	21.2
3 12	8 28.89	+21 7.5	2.108	2.877	14.7	21.4

273439 2006 WA_{159} 2 1.8 115.°14 10.°6/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.28	−13 21.3	2.130	2.829	16.2	19.8
1 12	9 18.91	−14 47.0	2.067	2.847	14.2	19.7
1 22	9 9.61	−15 47.7	2.025	2.864	12.3	19.6
2 1	8 59.18	−16 19.6	2.008	2.880	10.9	19.5
2 11	8 48.61	−16 22.1	2.017	2.896	10.6	19.5
2 21	8 38.95	−15 58.2	2.051	2.911	11.4	19.6
3 2	8 31.05	−15 13.6	2.110	2.926	13.0	19.7
3 12	8 25.51	−14 16.0	2.189	2.941	14.7	19.9

430419 1998 BN_{28} 2 1.8 358°.41 0°.4/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 18.93	+16 17.0	1.903	2.757	12.2	21.0
1 12	9 13.98	+16 51.0	1.832	2.755	8.6	20.8
1 22	9 7.08	+17 32.9	1.786	2.754	4.6	20.6
2 1	8 59.00	+18 18.0	1.769	2.754	0.5	20.2
2 11	8 50.76	+19 1.0	1.780	2.754	4.1	20.5
2 21	8 43.41	+19 37.5	1.819	2.754	8.2	20.8
3 2	8 37.82	+20 4.6	1.883	2.755	11.9	21.0
3 12	8 34.60	+20 20.9	1.969	2.756	15.0	21.2

354673 2005 NW_{49} 2 1.8 165°.33 0°.3/ 1.9 18

1 2	9 28.06	+15 22.0	1.700	2.543	14.0	21.2
1 12	9 20.55	+15 36.1	1.631	2.548	10.0	20.9
1 22	9 10.64	+15 58.2	1.587	2.553	5.4	20.7
2 1	8 59.28	+16 24.1	1.572	2.557	0.5	20.3
2 11	8 47.80	+16 48.7	1.586	2.560	4.5	20.6
2 21	8 37.50	+17 8.1	1.629	2.563	9.1	20.9
3 2	8 29.47	+17 20.0	1.697	2.565	13.2	21.2
3 12	8 24.36	+17 23.4	1.787	2.566	16.6	21.4

314860 2006 UH_{244} 2 1.8 247°.22 1°.9/ 2.9 18

1 2	9 22.04	+10 33.0	1.761	2.599	13.8	21.3
1 12	9 16.32	+10 48.9	1.682	2.594	10.1	21.1
1 22	9 8.42	+11 18.3	1.628	2.589	5.9	20.8
2 1	8 59.12	+11 57.8	1.601	2.584	2.1	20.5
2 11	8 49.58	+12 42.5	1.603	2.578	4.3	20.7
2 21	8 40.95	+13 27.2	1.633	2.573	8.6	20.9
3 2	8 34.25	+14 7.4	1.688	2.567	12.6	21.1
3 12	8 30.16	+14 39.7	1.765	2.561	16.1	21.3

151160 2001 XJ_{130} 2 1.8 144°.99 0°.4/ 2.1 18

1 2	9 22.12	+13 52.4	2.033	2.873	12.1	20.9
1 12	9 16.07	+14 21.6	1.964	2.879	8.6	20.7
1 22	9 8.14	+14 59.9	1.920	2.885	4.7	20.4
2 1	8 59.10	+15 43.0	1.906	2.890	0.7	20.1
2 11	8 49.94	+16 26.2	1.921	2.896	3.8	20.4
2 21	8 41.68	+17 5.1	1.966	2.900	7.7	20.6
3 2	8 35.14	+17 36.8	2.036	2.905	11.3	20.9
3 12	8 30.92	+17 59.5	2.130	2.909	14.2	21.1

376611 2013 PW_{37} 2 1.8 159°.64 0°.4/ 2.1 18

1 2	9 22.11	+14 25.1	2.403	3.238	10.7	22.1
1 12	9 15.83	+14 47.1	2.331	3.244	7.6	21.9
1 22	9 7.93	+15 15.9	2.286	3.250	4.1	21.7
2 1	8 59.08	+15 48.2	2.270	3.255	0.6	21.5
2 11	8 50.15	+16 20.4	2.286	3.260	3.3	21.7
2 21	8 41.97	+16 49.2	2.332	3.264	6.8	21.9
3 2	8 35.29	+17 12.3	2.405	3.268	10.0	22.1
3 12	8 30.61	+17 28.2	2.501	3.271	12.6	22.3

65869 1997 SP_{17} 2 1.8 76°.07 3°.6/ 4.4 18

1 2	9 23.78	+ 4 56.6	1.768	2.585	14.7	18.8
1 12	9 17.16	+ 5 13.6	1.723	2.617	11.0	18.7
1 22	9 8.64	+ 5 48.0	1.701	2.650	7.1	18.5
2 1	8 59.13	+ 6 36.6	1.707	2.681	4.0	18.4
2 11	8 49.76	+ 7 34.0	1.742	2.713	4.7	18.5
2 21	8 41.56	+ 8 34.3	1.806	2.744	8.1	18.7
3 2	8 35.35	+ 9 32.0	1.896	2.774	11.5	19.0
3 12	8 31.60	+10 23.0	2.008	2.804	14.4	19.3

518422 1998 WH_{30} 2 1.8 173°.92 10°.4/10.4 18

1 2	9 25.30	−18 12.6	2.482	3.133	15.2	22.7
1 12	9 18.16	−19 3.3	2.400	3.139	13.6	22.6
1 22	9 9.24	−19 28.8	2.339	3.143	12.0	22.5
2 1	8 59.19	−19 25.9	2.302	3.146	10.8	22.4
2 11	8 48.92	−18 54.2	2.290	3.148	10.4	22.4
2 21	8 39.34	−17 56.9	2.304	3.149	10.9	22.4
3 2	8 31.27	−16 39.7	2.343	3.148	12.2	22.5
3 12	8 25.31	−15 10.2	2.405	3.147	13.8	22.6

247349 2001 VZ_{40} 2 1.8 81°.94 3°.6/ 4.5 18

1 2	9 19.66	+ 4 47.9	2.365	3.172	11.8	20.2
1 12	9 14.06	+ 4 37.1	2.297	3.184	9.0	20.0
1 22	9 6.97	+ 4 39.2	2.254	3.196	6.1	19.9
2 1	8 59.01	+ 4 53.1	2.239	3.208	3.8	19.7
2 11	8 51.02	+ 5 16.4	2.254	3.220	4.3	19.8
2 21	8 43.75	+ 5 45.8	2.298	3.232	6.9	20.0
3 2	8 37.91	+ 6 17.7	2.370	3.244	9.7	20.2
3 12	8 33.95	+ 6 48.6	2.464	3.255	12.2	20.4

458773 2011 ST_{84} 2 1.8 200°.64 1°.4/31.9 18

1 2	9 25.37	+18 44.6	1.891	2.739	12.5	22.1
1 12	9 18.64	+19 31.1	1.814	2.736	8.9	21.9
1 22	9 9.65	+20 23.7	1.764	2.731	4.7	21.6
2 1	8 59.23	+21 16.5	1.743	2.726	1.4	21.4
2 11	8 48.56	+22 3.3	1.751	2.721	4.9	21.6
2 21	8 38.84	+22 39.6	1.789	2.714	9.1	21.8
3 2	8 31.12	+23 3.1	1.852	2.707	12.8	22.1
3 12	8 26.07	+23 13.6	1.936	2.699	16.0	22.3

262363 2006 TM_{86} 2 1.8 156°.48 1°.2/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.57	+19 6.3	2.008	2.856	11.9	21.1
1 12	9 17.84	+19 37.6	1.941	2.861	8.4	20.9
1 22	9 9.10	+20 13.1	1.900	2.867	4.5	20.7
2 1	8 59.18	+20 48.0	1.888	2.872	1.2	20.4
2 11	8 49.17	+21 17.5	1.906	2.876	4.4	20.7
2 21	8 40.14	+21 38.2	1.953	2.880	8.3	20.9
3 2	8 33.00	+21 48.6	2.027	2.884	11.8	21.2
3 12	8 28.33	+21 48.7	2.122	2.887	14.7	21.4

269253 2008 QK_{35} 2 1.8 120°.45 2°.3/ 3.5 18

1 2	9 21.05	+ 8 52.1	2.160	2.985	12.1	20.8
1 12	9 15.19	+ 8 58.8	2.090	2.993	8.9	20.6
1 22	9 7.63	+ 9 17.0	2.046	3.001	5.5	20.4
2 1	8 59.08	+ 9 44.5	2.030	3.009	2.5	20.2
2 11	8 50.44	+10 17.8	2.043	3.016	3.8	20.3
2 21	8 42.62	+10 52.9	2.087	3.024	7.2	20.5
3 2	8 36.39	+11 26.4	2.156	3.031	10.5	20.7
3 12	8 32.26	+11 55.3	2.249	3.038	13.3	20.9

16664 1993 VO_4 2 1.8 72°.45 3°.2/30.9 18

1 2	9 26.70	+21 33.1	1.391	2.256	15.2	18.2
1 12	9 19.78	+22 43.7	1.353	2.281	10.6	18.0
1 22	9 10.22	+23 57.1	1.339	2.307	5.8	17.8
2 1	8 59.26	+25 3.7	1.352	2.332	3.3	17.7
2 11	8 48.49	+25 55.6	1.393	2.357	6.6	18.0
2 21	8 39.34	+26 28.5	1.460	2.382	10.9	18.3
3 2	8 32.90	+26 42.2	1.550	2.407	14.8	18.6
3 12	8 29.68	+26 38.9	1.660	2.432	17.9	18.9

185746 1999 LO_1 2 1.8 79°.01 2°.7/31.5 17

1 2	9 32.26	+20 15.3	1.288	2.147	16.5	20.3
1 12	9 23.60	+21 22.0	1.260	2.186	11.5	20.1
1 22	9 12.17	+22 31.8	1.256	2.223	6.1	19.9
2 1	8 59.41	+23 34.7	1.279	2.261	2.7	19.8
2 11	8 47.12	+24 22.5	1.330	2.297	6.4	20.1
2 21	8 36.84	+24 51.8	1.407	2.332	11.1	20.5
3 2	8 29.62	+25 2.8	1.508	2.366	15.1	20.8
3 12	8 25.88	+24 58.2	1.628	2.400	18.2	21.1

391060 2005 UB_{43} 2 1.8 191°.12 2°.9/ 3.6 18

1 2	9 24.41	+ 7 35.5	1.706	2.533	14.7	21.7
1 12	9 18.05	+ 7 53.9	1.628	2.532	11.0	21.5
1 22	9 9.37	+ 8 29.1	1.575	2.530	6.8	21.2
2 1	8 59.23	+ 9 18.2	1.549	2.528	3.2	21.0
2 11	8 48.82	+10 15.7	1.552	2.526	4.7	21.1
2 21	8 39.38	+11 15.6	1.583	2.522	8.9	21.3
3 2	8 31.99	+12 12.0	1.640	2.518	13.0	21.5
3 12	8 27.34	+13 0.7	1.719	2.513	16.5	21.8

182550 2001 TS_{86} 2 1.8 174°.45 0°.5/ 1.5 18

1 2	9 23.14	+16 56.3	1.848	2.698	12.7	20.5
1 12	9 17.00	+17 21.3	1.777	2.698	9.0	20.3
1 22	9 8.73	+17 53.2	1.731	2.699	4.8	20.1
2 1	8 59.18	+18 27.3	1.714	2.699	0.5	19.7
2 11	8 49.48	+18 58.5	1.726	2.699	4.3	20.0
2 21	8 40.76	+19 23.0	1.766	2.700	8.6	20.3
3 2	8 34.00	+19 38.3	1.832	2.700	12.4	20.5
3 12	8 29.82	+19 43.9	1.919	2.699	15.5	20.7

424623 2008 JA_{37} 2 1.8 327°.64 8°.5/ 6.9 16

1 2	9 20.25	− 4 48.6	1.733	2.512	16.5	21.0
1 12	9 15.09	− 5 30.9	1.655	2.508	13.8	20.8
1 22	9 7.79	− 5 48.9	1.597	2.504	11.0	20.6
2 1	8 59.11	− 5 40.3	1.563	2.500	8.9	20.5
2 11	8 50.16	− 5 6.2	1.555	2.496	8.7	20.4
2 21	8 42.06	− 4 11.4	1.573	2.492	10.5	20.5
3 2	8 35.82	− 3 2.9	1.615	2.489	13.4	20.7
3 12	8 32.13	− 1 48.9	1.678	2.486	16.3	20.9

108733 2001 OH_{31} 2 1.8 243°.80 2°.8/30.7 18

1 2	9 22.55	+21 15.1	1.913	2.769	12.0	20.2
1 12	9 16.76	+22 31.5	1.834	2.758	8.5	20.0
1 22	9 8.72	+23 54.0	1.780	2.747	4.8	19.8
2 1	8 59.19	+25 14.8	1.756	2.736	2.8	19.6
2 11	8 49.30	+26 26.2	1.762	2.724	5.8	19.8
2 21	8 40.24	+27 22.8	1.796	2.711	9.7	20.0
3 2	8 33.07	+28 1.7	1.855	2.699	13.3	20.2
3 12	8 28.55	+28 23.0	1.934	2.686	16.4	20.4

274350 2008 RB_{40} 2 1.8 129°.48 0°.3/ 1.6 18

1 2	9 21.63	+16 26.5	2.156	3.001	11.4	21.5
1 12	9 15.66	+16 52.6	2.088	3.007	8.0	21.3
1 22	9 7.92	+17 24.8	2.046	3.013	4.3	21.0
2 1	8 59.13	+17 59.1	2.033	3.018	0.4	20.7
2 11	8 50.27	+18 31.4	2.051	3.024	3.7	21.0
2 21	8 42.25	+18 58.1	2.097	3.029	7.5	21.3
3 2	8 35.89	+19 17.0	2.170	3.034	10.8	21.5
3 12	8 31.73	+19 27.2	2.265	3.039	13.6	21.7

140350 2001 TL_{16} 2 1.8 2.°61 7.°8/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 23.50	+33 6.7	1.613	2.478	13.4	18.9
1 12	9 17.89	+35 1.6	1.561	2.478	10.3	18.7
1 22	9 9.47	+36 49.9	1.533	2.478	8.1	18.6
2 1	8 59.26	+38 19.9	1.533	2.478	8.2	18.6
2 11	8 48.79	+39 22.5	1.559	2.478	10.4	18.7
2 21	8 39.60	+39 54.3	1.609	2.479	13.5	18.9
3 2	8 32.98	+39 56.8	1.680	2.480	16.5	19.1
3 12	8 29.68	+39 34.9	1.768	2.482	19.0	19.3

522653 2016 GC_{263} 2 1.8 157.°00 4.°9/27.6 17

1 2	9 22.24	+34 35.1	2.995	3.837	8.6	21.9
1 12	9 15.89	+35 42.5	2.940	3.844	6.6	21.8
1 22	9 7.98	+36 43.7	2.914	3.850	5.2	21.7
2 1	8 59.14	+37 33.5	2.917	3.856	5.1	21.7
2 11	8 50.21	+38 8.2	2.950	3.862	6.4	21.8
2 21	8 41.99	+38 26.2	3.011	3.867	8.3	21.9
3 2	8 35.20	+38 27.9	3.097	3.872	10.2	22.1
3 12	8 30.35	+38 15.4	3.204	3.876	11.9	22.2

85521 1997 WW_2 2 1.8 88.°45 0.°2/ 1.7 18

1 2	9 27.39	+15 50.4	1.538	2.388	14.8	20.1
1 12	9 20.02	+16 21.6	1.492	2.413	10.4	19.8
1 22	9 10.29	+17 1.1	1.471	2.438	5.5	19.6
2 1	8 59.32	+17 43.0	1.478	2.463	0.4	19.3
2 11	8 48.50	+18 21.0	1.514	2.487	4.7	19.7
2 21	8 39.15	+18 50.9	1.577	2.511	9.3	20.0
3 2	8 32.23	+19 10.2	1.665	2.535	13.3	20.3
3 12	8 28.28	+19 18.7	1.773	2.557	16.5	20.6

176801 2002 TQ_9 2 1.8 98.°39 5.°3/ 5.9 18

1 2	9 21.69	− 0 29.7	1.859	2.652	15.0	20.4
1 12	9 15.79	− 0 11.0	1.798	2.672	11.8	20.2
1 22	9 8.01	+ 0 29.8	1.760	2.691	8.4	20.1
2 1	8 59.15	+ 1 30.8	1.749	2.710	5.7	19.9
2 11	8 50.26	+ 2 46.8	1.767	2.729	5.7	20.0
2 21	8 42.34	+ 4 11.0	1.813	2.747	8.3	20.2
3 2	8 36.24	+ 5 36.1	1.885	2.764	11.5	20.4
3 12	8 32.50	+ 6 56.1	1.981	2.782	14.4	20.6

123370 2000 WZ_{35} 2 1.8 44.°91 0.°8/ 2.4 18

1 2	9 20.28	+12 22.4	1.635	2.485	14.1	19.5
1 12	9 15.06	+13 2.9	1.578	2.498	10.1	19.3
1 22	9 7.71	+13 56.2	1.545	2.511	5.5	19.1
2 1	8 59.13	+14 57.0	1.540	2.524	1.0	18.8
2 11	8 50.49	+15 58.6	1.562	2.538	4.2	19.1
2 21	8 42.96	+16 54.9	1.612	2.552	8.7	19.4
3 2	8 37.46	+17 41.5	1.687	2.567	12.6	19.6
3 12	8 34.56	+18 16.1	1.783	2.581	15.9	19.9

164898 1999 VM_{159} 2 1.8 85.°39 2.°1/ 3.0 18

1 2	9 25.05	+10 21.3	1.625	2.463	14.8	19.7
1 12	9 18.30	+10 32.4	1.574	2.484	10.8	19.5
1 22	9 9.37	+10 56.8	1.546	2.506	6.3	19.3
2 1	8 59.25	+11 30.8	1.545	2.527	2.3	19.1
2 11	8 49.21	+12 9.3	1.574	2.548	4.4	19.3
2 21	8 40.43	+12 47.2	1.630	2.569	8.7	19.6
3 2	8 33.84	+13 20.5	1.711	2.590	12.5	19.9
3 12	8 29.99	+13 46.4	1.814	2.610	15.7	20.1

429984 2013 PF_3 2 1.8 56.°92 8.°6/ 8.7 18

1 2	9 21.25	−10 2.1	0.997	1.794	24.9	19.6
1 12	9 16.77	− 8 18.4	0.935	1.804	20.4	19.3
1 22	9 9.05	− 5 33.7	0.889	1.814	15.2	19.1
2 1	8 59.24	− 1 51.8	0.866	1.825	10.3	18.9
2 11	8 49.16	+ 2 28.9	0.869	1.837	8.7	18.8
2 21	8 40.62	+ 7 0.1	0.899	1.849	12.3	19.0
3 2	8 35.14	+11 14.0	0.954	1.860	17.3	19.4
3 12	8 33.53	+14 51.9	1.031	1.872	21.9	19.7

31106 1997 PU_2 2 1.8 342.°70 6.°1/ 6.7 18

1 2	9 16.87	− 3 50.4	1.183	2.000	20.5	17.3
1 12	9 13.48	− 2 21.5	1.103	1.991	16.4	17.0
1 22	9 7.28	− 0 4.9	1.043	1.983	11.6	16.7
2 1	8 59.13	+ 2 56.1	1.007	1.976	7.2	16.4
2 11	8 50.47	+ 6 28.1	0.998	1.971	6.7	16.4
2 21	8 42.88	+10 10.4	1.015	1.966	11.1	16.6
3 2	8 37.79	+13 41.8	1.058	1.962	16.2	16.9
3 12	8 36.14	+16 46.9	1.123	1.959	20.8	17.1

299378 2005 UL_{425} 2 1.8 148.°05 4.°4/28.8 18

1 2	9 21.18	+31 54.1	2.762	3.610	9.0	20.5
1 12	9 15.19	+32 43.5	2.701	3.613	6.8	20.4
1 22	9 7.62	+33 27.9	2.668	3.616	4.9	20.2
2 1	8 59.14	+34 2.5	2.664	3.619	4.5	20.2
2 11	8 50.59	+34 23.6	2.689	3.621	6.0	20.3
2 21	8 42.80	+34 29.9	2.743	3.624	8.2	20.5
3 2	8 36.49	+34 21.5	2.822	3.626	10.4	20.6
3 12	8 32.15	+34 0.2	2.923	3.628	12.3	20.8

222490 2001 SA_{227} 2 1.8 135.°50 0.°0/ 1.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 15.58	+15 38.0	3.987	4.820	6.8	21.9
1 12	9 10.80	+16 2.9	3.918	4.831	4.8	21.8
1 22	9 5.13	+16 31.4	3.878	4.843	2.6	21.6
2 1	8 58.95	+17 1.4	3.869	4.854	0.2	21.4
2 11	8 52.74	+17 30.8	3.892	4.865	2.2	21.6
2 21	8 46.95	+17 57.6	3.946	4.876	4.4	21.8
3 2	8 41.97	+18 20.4	4.029	4.886	6.4	22.0
3 12	8 38.15	+18 38.2	4.138	4.896	8.2	22.1

77778 2001 QR_{18} 2 1.8 124.°91 0.°0/ 1.7 18

1 2	9 19.78	+15 17.7	2.411	3.252	10.4	19.7
1 12	9 14.23	+15 48.5	2.342	3.259	7.4	19.5
1 22	9 7.12	+16 25.9	2.300	3.266	4.0	19.3
2 1	8 59.11	+17 6.1	2.287	3.272	0.3	19.0
2 11	8 51.02	+17 45.3	2.305	3.279	3.3	19.3
2 21	8 43.65	+18 20.0	2.353	3.285	6.8	19.5
3 2	8 37.71	+18 47.7	2.427	3.291	9.9	19.8
3 12	8 33.71	+19 7.2	2.525	3.297	12.4	19.9

148824 2001 UY_{144} 2 1.8 109.°93 0.°8/ 2.4 18

1 2	9 22.30	+13 2.0	1.896	2.738	12.8	21.0
1 12	9 16.29	+13 30.0	1.832	2.748	9.2	20.8
1 22	9 8.33	+14 8.2	1.793	2.757	5.1	20.6
2 1	8 59.21	+14 52.3	1.782	2.767	1.0	20.3
2 11	8 50.02	+15 37.2	1.801	2.776	3.9	20.6
2 21	8 41.80	+16 18.4	1.849	2.785	8.0	20.8
3 2	8 35.43	+16 52.4	1.922	2.794	11.7	21.1
3 12	8 31.47	+17 17.3	2.017	2.803	14.7	21.3

34849 2001 SG_{288} 2 1.8 5.°18 2.°6/30.9 18

1 2	9 19.42	+18 4.9	1.458	2.327	14.4	17.1
1 12	9 14.91	+19 46.4	1.396	2.327	10.1	16.8
1 22	9 7.86	+21 39.5	1.357	2.327	5.4	16.5
2 1	8 59.19	+23 33.8	1.347	2.328	2.6	16.4
2 11	8 50.24	+25 18.1	1.363	2.330	6.4	16.6
2 21	8 42.40	+26 43.8	1.407	2.332	11.0	16.9
3 2	8 36.86	+27 46.5	1.473	2.335	15.2	17.1
3 12	8 34.36	+28 25.9	1.559	2.339	18.6	17.4

463279 2012 HM_{11} 2 1.8 302.°77 1.°9/31.6 17

1 2	9 21.29	+18 54.1	1.613	2.476	13.6	21.0
1 12	9 16.24	+19 47.9	1.526	2.454	9.7	20.7
1 22	9 8.63	+20 50.8	1.464	2.433	5.2	20.4
2 1	8 59.26	+21 56.0	1.428	2.412	1.9	20.1
2 11	8 49.39	+22 55.6	1.421	2.390	5.7	20.3
2 21	8 40.40	+23 43.2	1.440	2.370	10.4	20.5
3 2	8 33.55	+24 15.0	1.482	2.349	14.8	20.7
3 12	8 29.70	+24 30.2	1.545	2.329	18.5	20.9

139484 2001 PZ_{10} 2 1.8 169.°68 0.°6/ 1.4 18

1 2	9 23.67	+17 22.3	2.181	3.023	11.3	20.9
1 12	9 17.14	+17 54.4	2.109	3.027	8.0	20.7
1 22	9 8.75	+18 32.1	2.064	3.031	4.2	20.5
2 1	8 59.26	+19 10.9	2.049	3.034	0.7	20.2
2 11	8 49.65	+19 46.3	2.064	3.036	3.9	20.4
2 21	8 40.89	+20 14.8	2.109	3.037	7.7	20.7
3 2	8 33.83	+20 34.3	2.180	3.038	11.1	20.9
3 12	8 29.02	+20 44.1	2.274	3.039	13.9	21.1

214753 2006 TD_{75} 2 1.8 138.°97 1.°4/31.8 18

1 2	9 24.57	+19 20.9	2.067	2.914	11.7	21.6
1 12	9 17.80	+20 2.9	2.005	2.926	8.2	21.4
1 22	9 9.10	+20 49.0	1.970	2.937	4.3	21.2
2 1	8 59.29	+21 33.9	1.964	2.948	1.4	21.0
2 11	8 49.43	+22 12.5	1.989	2.958	4.4	21.2
2 21	8 40.54	+22 41.3	2.043	2.967	8.2	21.5
3 2	8 33.50	+22 58.7	2.123	2.976	11.5	21.7
3 12	8 28.85	+23 4.8	2.225	2.984	14.3	21.9

343091 2009 DE_{23} 2 1.8 112.°22 1.°0/31.9 18

1 2	9 20.05	+19 5.2	2.475	3.323	10.0	21.1
1 12	9 14.40	+19 37.5	2.410	3.330	7.0	20.9
1 22	9 7.22	+20 13.4	2.371	3.338	3.7	20.7
2 1	8 59.14	+20 48.9	2.361	3.345	1.0	20.5
2 11	8 51.01	+21 20.2	2.383	3.353	3.7	20.8
2 21	8 43.62	+21 44.5	2.434	3.360	6.9	21.0
3 2	8 37.66	+22 0.2	2.511	3.367	9.9	21.2
3 12	8 33.63	+22 6.7	2.612	3.374	12.3	21.4

371725 2007 EZ_{87} 2 1.8 211.°09 2.°4/31.2 17

1 2	9 23.74	+22 49.6	2.136	2.988	11.2	21.4
1 12	9 17.31	+23 24.3	2.062	2.984	7.9	21.2
1 22	9 8.90	+24 0.3	2.014	2.980	4.4	21.0
2 1	8 59.28	+24 32.5	1.996	2.976	2.4	20.8
2 11	8 49.51	+24 56.2	2.007	2.971	5.0	21.0
2 21	8 40.62	+25 8.5	2.047	2.966	8.5	21.2
3 2	8 33.51	+25 8.7	2.113	2.961	11.8	21.4
3 12	8 28.80	+24 57.4	2.201	2.955	14.6	21.6

76831 2000 ST_{222} 2 1.8 300°.51 0°.4/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 17.23	+15 0.5	2.968	3.805	8.8	18.7
1 12	9 12.30	+15 9.5	2.877	3.792	6.3	18.5
1 22	9 6.08	+15 23.6	2.814	3.778	3.4	18.3
2 1	8 59.06	+15 40.6	2.780	3.765	0.5	18.0
2 11	8 51.91	+15 58.0	2.777	3.752	2.8	18.2
2 21	8 45.25	+16 13.7	2.805	3.739	5.7	18.4
3 2	8 39.69	+16 25.7	2.860	3.726	8.5	18.5
3 12	8 35.68	+16 32.7	2.939	3.713	10.8	18.7

261306 2005 UJ_{196} 2 1.8 22°.23 2°.5/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.80	+ 9 6.6	1.701	2.539	14.2	21.0
1 12	9 15.46	+ 9 17.8	1.631	2.541	10.5	20.8
1 22	9 7.99	+ 9 43.8	1.585	2.543	6.4	20.5
2 1	8 59.22	+10 21.7	1.565	2.546	2.7	20.3
2 11	8 50.28	+11 6.5	1.574	2.549	4.4	20.4
2 21	8 42.33	+11 52.9	1.610	2.552	8.5	20.7
3 2	8 36.32	+12 35.9	1.671	2.555	12.5	20.9
3 12	8 32.89	+13 12.0	1.754	2.558	15.8	21.1

158088 2000 WV_{15} 2 1.8 355°.11 5°.5/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.86	+27 14.8	1.445	2.320	14.1	19.4
1 12	9 16.05	+28 30.8	1.386	2.316	10.2	19.2
1 22	9 8.51	+29 45.9	1.350	2.313	6.7	19.0
2 1	8 59.26	+30 50.1	1.340	2.310	5.7	18.9
2 11	8 49.80	+31 35.0	1.357	2.308	8.5	19.1
2 21	8 41.63	+31 56.2	1.397	2.308	12.4	19.3
3 2	8 36.00	+31 53.8	1.460	2.308	16.1	19.5
3 12	8 33.61	+31 30.8	1.540	2.309	19.2	19.7

364015 2005 VD_1 2 1.8 140°.66 9°.8/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.05	−19 20.1	2.748	3.386	14.1	21.4
1 12	9 16.43	−20 14.8	2.679	3.402	12.7	21.3
1 22	9 8.29	−20 46.2	2.629	3.417	11.3	21.3
2 1	8 59.24	−20 51.5	2.603	3.431	10.2	21.2
2 11	8 50.08	−20 30.8	2.601	3.444	9.8	21.2
2 21	8 41.57	−19 46.7	2.625	3.457	10.2	21.2
3 2	8 34.42	−18 44.2	2.674	3.468	11.2	21.3
3 12	8 29.11	−17 29.6	2.746	3.479	12.5	21.4

218630 2005 RP_{19} 2 1.8 183°.57 0°.8/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.03	+12 17.9	2.352	3.182	11.1	21.9
1 12	9 15.90	+12 49.6	2.273	3.183	8.0	21.7
1 22	9 8.09	+13 30.6	2.220	3.183	4.5	21.4
2 1	8 59.24	+14 17.3	2.198	3.182	1.0	21.2
2 11	8 50.22	+15 5.6	2.206	3.181	3.4	21.4
2 21	8 41.91	+15 51.3	2.245	3.179	7.0	21.6
3 2	8 35.09	+16 31.2	2.311	3.176	10.2	21.8
3 12	8 30.30	+17 3.2	2.400	3.173	13.0	22.0

116697 2004 CO_{92} 2 1.8 278°.40 1°.3/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.56	+20 48.6	1.794	2.643	13.1	19.9
1 12	9 21.18	+20 42.9	1.700	2.621	9.4	19.7
1 22	9 11.21	+20 38.4	1.631	2.598	5.1	19.4
2 1	8 59.50	+20 30.9	1.591	2.575	1.3	19.0
2 11	8 47.38	+20 16.6	1.580	2.552	4.9	19.2
2 21	8 36.24	+19 53.6	1.599	2.528	9.6	19.5
3 2	8 27.28	+19 21.9	1.642	2.505	13.8	19.7
3 12	8 21.30	+18 42.8	1.707	2.481	17.4	19.9

309284 2007 RG_{158} 2 1.8 136°.33 4°.3/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.20	+26 23.6	1.762	2.619	12.9	21.1
1 12	9 20.03	+27 26.8	1.706	2.629	9.3	20.9
1 22	9 10.44	+28 28.3	1.677	2.638	5.7	20.7
2 1	8 59.43	+29 20.0	1.676	2.647	4.4	20.6
2 11	8 48.37	+29 55.5	1.703	2.656	6.9	20.8
2 21	8 38.58	+30 11.8	1.758	2.664	10.5	21.0
3 2	8 31.12	+30 9.4	1.837	2.671	13.9	21.2
3 12	8 26.61	+29 51.1	1.936	2.678	16.7	21.5

77850 2001 RB_{28} 2 1.8 7°.24 2°.3/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.16	+ 8 45.3	1.843	2.681	13.3	18.6
1 12	9 13.48	+ 9 5.4	1.772	2.681	9.8	18.4
1 22	9 6.90	+ 9 40.0	1.724	2.683	6.0	18.2
2 1	8 59.15	+10 26.1	1.704	2.685	2.6	18.0
2 11	8 51.25	+11 18.8	1.712	2.687	4.1	18.1
2 21	8 44.21	+12 12.7	1.748	2.690	7.9	18.3
3 2	8 38.90	+13 2.9	1.809	2.693	11.6	18.6
3 12	8 35.92	+13 45.6	1.893	2.697	14.8	18.8

337509 2001 SQ_{133} 2 1.8 64°.06 9°.6/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 17.93	−17 4.1	2.263	2.945	15.8	21.0
1 12	9 13.00	−17 9.4	2.197	2.963	13.9	20.9
1 22	9 6.51	−16 46.1	2.150	2.980	12.0	20.8
2 1	8 59.12	−15 53.0	2.125	2.998	10.4	20.7
2 11	8 51.68	−14 32.3	2.126	3.016	9.7	20.7
2 21	8 45.02	−12 49.6	2.152	3.033	10.1	20.7
3 2	8 39.83	−10 52.4	2.205	3.051	11.4	20.8
3 12	8 36.61	− 8 49.5	2.282	3.069	13.2	21.0

192814 1999 VG_{71} 2 1.8 88°.73 5°.8/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 23.68	+31 27.1	1.987	2.844	11.6	19.8
1 12	9 17.48	+32 43.4	1.933	2.849	8.7	19.6
1 22	9 9.07	+33 54.2	1.905	2.854	6.3	19.5
2 1	8 59.33	+34 51.6	1.905	2.860	5.9	19.4
2 11	8 49.49	+35 29.7	1.933	2.865	7.9	19.6
2 21	8 40.74	+35 46.0	1.988	2.870	10.7	19.8
3 2	8 34.07	+35 41.4	2.066	2.876	13.5	19.9
3 12	8 30.09	+35 19.1	2.164	2.881	15.8	20.1

287407 2002 VM_{115} 2 1.8 19°.59 1°.5/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.53	+13 51.1	1.332	2.191	16.1	19.6
1 12	9 17.76	+13 36.1	1.273	2.196	11.6	19.3
1 22	9 9.33	+13 31.9	1.237	2.203	6.6	19.1
2 1	8 59.36	+13 35.5	1.226	2.210	1.8	18.8
2 11	8 49.33	+13 42.6	1.241	2.218	4.9	19.0
2 21	8 40.71	+13 49.3	1.283	2.226	10.0	19.3
3 2	8 34.63	+13 52.5	1.347	2.236	14.5	19.6
3 12	8 31.73	+13 50.1	1.431	2.246	18.2	19.9

415830 2001 RV_4 2 1.8 122°.74 0°.0/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.22	+16 10.6	2.077	2.917	11.9	21.6
1 12	9 18.17	+16 24.6	2.017	2.933	8.4	21.4
1 22	9 9.28	+16 44.3	1.982	2.948	4.5	21.2
2 1	8 59.35	+17 6.1	1.977	2.962	0.4	20.9
2 11	8 49.44	+17 26.1	2.002	2.976	3.8	21.2
2 21	8 40.53	+17 41.3	2.057	2.989	7.6	21.5
3 2	8 33.45	+17 50.1	2.139	3.002	11.0	21.7
3 12	8 28.71	+17 51.6	2.243	3.015	13.8	21.9

142609 2002 TJ_{131} 2 1.8 140°.40 3°.8/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.89	+26 31.3	1.789	2.644	12.8	20.3
1 12	9 20.47	+27 2.1	1.728	2.649	9.2	20.1
1 22	9 10.66	+27 30.2	1.691	2.654	5.6	19.9
2 1	8 59.47	+27 49.0	1.683	2.658	3.9	19.8
2 11	8 48.25	+27 53.7	1.704	2.662	6.4	20.0
2 21	8 38.32	+27 42.7	1.752	2.666	10.0	20.2
3 2	8 30.72	+27 16.9	1.826	2.669	13.5	20.4
3 12	8 26.04	+26 39.0	1.919	2.673	16.4	20.6

4934 Rhôneranger 2 1.9 148°.05 3°.7/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.79	+ 2 43.2	2.479	3.276	11.6	17.7
1 12	9 13.51	+ 2 56.3	2.402	3.282	9.0	17.5
1 22	9 6.78	+ 3 24.1	2.350	3.287	6.2	17.3
2 1	8 59.17	+ 4 5.3	2.326	3.292	4.0	17.2
2 11	8 51.44	+ 4 56.4	2.332	3.297	4.2	17.2
2 21	8 44.35	+ 5 53.5	2.367	3.301	6.7	17.4
3 2	8 38.58	+ 6 51.9	2.431	3.305	9.4	17.5
3 12	8 34.60	+ 7 47.7	2.518	3.309	12.0	17.7

164374 2005 EM_{97} 2 1.9 50°.00 3°.5/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.98	+ 8 7.8	1.214	2.061	18.1	19.5
1 12	9 18.65	+ 8 7.5	1.175	2.089	13.4	19.3
1 22	9 9.70	+ 8 26.8	1.158	2.116	8.2	19.1
2 1	8 59.39	+ 9 1.9	1.165	2.145	3.9	18.9
2 11	8 49.32	+ 9 46.2	1.199	2.174	5.5	19.1
2 21	8 40.91	+10 32.5	1.258	2.203	10.1	19.5
3 2	8 35.22	+11 15.0	1.340	2.232	14.4	19.8
3 12	8 32.73	+11 49.3	1.442	2.261	17.9	20.1

378823 2008 SB_{261} 2 1.9 93°.16 0°.1/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.90	+15 33.9	2.242	3.083	11.1	22.2
1 12	9 15.72	+16 9.3	2.189	3.106	7.8	22.0
1 22	9 7.93	+16 51.0	2.162	3.128	4.1	21.8
2 1	8 59.26	+17 34.8	2.165	3.150	0.3	21.5
2 11	8 50.62	+18 16.3	2.198	3.171	3.5	21.9
2 21	8 42.87	+18 52.0	2.261	3.193	7.1	22.1
3 2	8 36.73	+19 19.6	2.351	3.214	10.2	22.3
3 12	8 32.67	+19 38.0	2.464	3.234	12.8	22.6

234954 2002 VL_{124} 2 1.9 107°.48 3°.3/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.75	+ 4 31.8	2.326	3.135	11.9	20.6
1 12	9 13.55	+ 4 47.7	2.254	3.143	9.1	20.5
1 22	9 6.82	+ 5 18.1	2.206	3.151	6.0	20.3
2 1	8 59.18	+ 6 1.0	2.187	3.159	3.5	20.1
2 11	8 51.44	+ 6 52.7	2.197	3.166	4.1	20.2
2 21	8 44.41	+ 7 48.8	2.237	3.174	6.8	20.4
3 2	8 38.77	+ 8 44.9	2.304	3.181	9.8	20.6
3 12	8 35.02	+ 9 36.8	2.395	3.188	12.4	20.8

145516 2006 DC_{148} 2 1.9 100°.49 0°.1/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.76	+15 48.4	2.058	2.903	11.8	20.2
1 12	9 15.84	+16 12.9	1.992	2.911	8.4	20.0
1 22	9 8.09	+16 44.3	1.953	2.919	4.5	19.8
2 1	8 59.28	+17 18.6	1.942	2.927	0.3	19.5
2 11	8 50.40	+17 51.4	1.961	2.935	3.8	19.8
2 21	8 42.42	+18 18.9	2.008	2.942	7.7	20.0
3 2	8 36.16	+18 38.9	2.082	2.950	11.1	20.2
3 12	8 32.17	+18 50.2	2.178	2.957	14.0	20.4

411915 2012 FS_{68} 2 1.9 122°.45 0°.7/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 21.18	+11 56.0	1.894	2.734	12.9	21.1
1 12	9 15.60	+12 47.2	1.826	2.741	9.2	20.9
1 22	9 8.04	+13 50.9	1.783	2.747	5.1	20.7
2 1	8 59.29	+15 2.0	1.769	2.754	0.9	20.4
2 11	8 50.39	+16 14.0	1.785	2.760	3.9	20.6
2 21	8 42.40	+17 20.9	1.829	2.766	8.1	20.9
3 2	8 36.20	+18 18.3	1.900	2.772	11.8	21.1
3 12	8 32.39	+19 3.5	1.993	2.777	14.9	21.3

161211 2002 UA_{7} 2 1.9 93°.98 3°.6/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.82	+ 2 46.7	2.306	3.107	12.2	19.7
1 12	9 13.58	+ 3 12.7	2.239	3.122	9.4	19.5
1 22	9 6.82	+ 3 54.7	2.197	3.137	6.3	19.4
2 1	8 59.19	+ 4 50.6	2.183	3.152	3.9	19.2
2 11	8 51.51	+ 5 56.0	2.199	3.167	4.2	19.3
2 21	8 44.55	+ 7 6.0	2.245	3.181	6.8	19.5
3 2	8 39.01	+ 8 15.4	2.318	3.195	9.7	19.7
3 12	8 35.36	+ 9 19.9	2.415	3.209	12.3	19.9

24887 1996 XT_{19} 2 1.9 348°.64 1°.7/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.91	+12 9.4	1.225	2.084	17.2	18.2
1 12	9 18.38	+12 18.2	1.159	2.082	12.6	18.0
1 22	9 9.86	+12 42.9	1.115	2.080	7.2	17.7
2 1	8 59.45	+13 19.0	1.095	2.078	2.0	17.3
2 11	8 48.76	+13 59.9	1.100	2.077	5.3	17.5
2 21	8 39.45	+14 38.9	1.131	2.076	10.9	17.8
3 2	8 32.88	+15 10.8	1.185	2.076	15.9	18.1
3 12	8 29.83	+15 32.2	1.257	2.076	20.1	18.4

427064 2014 UL_{9} 2 1.9 152°.55 7°.1/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.75	− 4 17.9	2.047	2.814	14.7	21.3
1 12	9 15.87	− 4 45.3	1.971	2.819	12.1	21.2
1 22	9 8.15	− 4 51.3	1.918	2.824	9.5	21.0
2 1	8 59.31	− 4 35.0	1.891	2.828	7.5	20.9
2 11	8 50.29	− 3 58.3	1.891	2.832	7.3	20.9
2 21	8 42.07	− 3 5.5	1.918	2.836	9.1	21.0
3 2	8 35.50	− 2 2.6	1.972	2.839	11.6	21.2
3 12	8 31.15	− 0 56.3	2.048	2.842	14.2	21.3

110834 2001 UF_{60} 2 1.9 196°.11 3°.9/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.38	+27 25.5	2.241	3.091	10.8	20.6
1 12	9 18.48	+28 16.6	2.171	3.089	7.8	20.4
1 22	9 9.57	+29 5.6	2.127	3.086	5.0	20.2
2 1	8 59.43	+29 46.4	2.113	3.082	3.9	20.1
2 11	8 49.12	+30 13.9	2.128	3.078	6.0	20.3
2 21	8 39.72	+30 25.9	2.173	3.073	9.1	20.4
3 2	8 32.15	+30 22.0	2.243	3.068	12.0	20.6
3 12	8 27.01	+30 4.4	2.334	3.062	14.5	20.8

456499 2006 WW_{183} 2 1.9 68°.85 3°.6/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.28	+ 7 54.7	1.652	2.477	15.2	20.9
1 12	9 19.74	+ 7 30.2	1.608	2.508	11.3	20.7
1 22	9 10.12	+ 7 20.2	1.587	2.539	7.1	20.6
2 1	8 59.46	+ 7 23.1	1.594	2.570	3.8	20.4
2 11	8 49.02	+ 7 35.4	1.631	2.601	5.0	20.6
2 21	8 39.93	+ 7 53.2	1.695	2.631	8.6	20.8
3 2	8 33.07	+ 8 12.5	1.784	2.661	12.2	21.1
3 12	8 28.91	+ 8 29.8	1.896	2.691	15.2	21.4

115586 2003 UF_{96} 2 1.9 9°.56 1°.4/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.94	+19 7.6	1.855	2.712	12.3	19.6
1 12	9 15.52	+19 46.3	1.788	2.713	8.7	19.4
1 22	9 8.04	+20 30.4	1.746	2.714	4.6	19.2
2 1	8 59.31	+21 14.4	1.732	2.715	1.4	19.0
2 11	8 50.45	+21 52.8	1.746	2.717	4.7	19.2
2 21	8 42.55	+22 21.6	1.789	2.718	8.7	19.4
3 2	8 36.54	+22 38.7	1.856	2.721	12.4	19.7
3 12	8 33.03	+22 43.6	1.945	2.723	15.4	19.9

268240 2005 GW_{181} 2 1.9 141°.50 4°.9/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.27	+36 42.8	3.254	4.087	8.2	21.4
1 12	9 17.20	+37 33.7	3.205	4.101	6.4	21.3
1 22	9 8.68	+38 16.9	3.185	4.114	5.1	21.2
2 1	8 59.36	+38 48.0	3.194	4.127	5.0	21.2
2 11	8 50.04	+39 4.2	3.234	4.140	6.1	21.3
2 21	8 41.48	+39 4.8	3.302	4.151	7.8	21.4
3 2	8 34.35	+38 50.7	3.395	4.163	9.6	21.6
3 12	8 29.10	+38 24.2	3.510	4.173	11.1	21.7

96774 1999 RG_{68} 2 1.9 114°.87 1°.9/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.48	+ 9 19.6	2.025	2.855	12.6	20.0
1 12	9 14.99	+ 9 46.5	1.954	2.861	9.2	19.8
1 22	9 7.68	+10 26.3	1.909	2.867	5.5	19.5
2 1	8 59.29	+11 15.7	1.892	2.873	2.1	19.3
2 11	8 50.78	+12 10.0	1.904	2.879	3.8	19.4
2 21	8 43.09	+13 4.0	1.946	2.885	7.5	19.7
3 2	8 37.06	+13 53.5	2.014	2.890	11.0	19.9
3 12	8 33.25	+14 35.3	2.104	2.895	14.0	20.1

404017 2012 CN_{13} 2 1.9 94°.47 4°.0/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 30.84	+27 49.9	1.784	2.635	13.0	21.0
1 12	9 22.37	+28 10.8	1.735	2.654	9.4	20.8
1 22	9 11.58	+28 26.6	1.713	2.673	5.7	20.7
2 1	8 59.59	+28 31.2	1.719	2.692	4.1	20.6
2 11	8 47.83	+28 20.9	1.754	2.710	6.4	20.8
2 21	8 37.59	+27 55.3	1.817	2.728	9.9	21.0
3 2	8 29.81	+27 16.5	1.906	2.746	13.2	21.3
3 12	8 25.00	+26 27.9	2.015	2.763	15.9	21.5

327385 2005 UH_{387} 2 1.9 118°.24 2°.3/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.16	+ 9 40.5	1.912	2.744	13.2	21.4
1 12	9 16.25	+ 9 43.3	1.841	2.748	9.7	21.2
1 22	9 8.39	+ 9 58.4	1.794	2.751	5.9	20.9
2 1	8 59.35	+10 23.3	1.775	2.755	2.5	20.7
2 11	8 50.18	+10 54.1	1.785	2.759	4.1	20.8
2 21	8 41.92	+11 26.7	1.823	2.762	7.9	21.1
3 2	8 35.46	+11 57.2	1.888	2.765	11.6	21.3
3 12	8 31.38	+12 22.6	1.974	2.769	14.7	21.5

263631 2008 GF_{59} 2 1.9 98°.04 0°.2/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.05	+15 42.1	1.799	2.648	13.1	21.2
1 12	9 16.96	+16 15.6	1.738	2.658	9.2	20.9
1 22	9 8.78	+16 57.2	1.701	2.668	4.9	20.7
2 1	8 59.38	+17 42.1	1.693	2.678	0.4	20.4
2 11	8 49.92	+18 24.6	1.714	2.688	4.2	20.7
2 21	8 41.51	+19 0.3	1.763	2.698	8.5	21.0
3 2	8 35.08	+19 26.3	1.838	2.708	12.2	21.2
3 12	8 31.21	+19 41.7	1.934	2.717	15.3	21.4

459828 2013 SW_{65} 2 1.9 186°.96 5°.0/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.35	− 0 22.0	2.150	2.939	13.4	21.2
1 12	9 14.15	− 0 12.0	2.069	2.939	10.6	21.0
1 22	9 7.24	+ 0 17.4	2.011	2.939	7.7	20.8
2 1	8 59.27	+ 1 5.3	1.980	2.938	5.4	20.7
2 11	8 51.10	+ 2 8.2	1.978	2.938	5.4	20.7
2 21	8 43.64	+ 3 20.8	2.004	2.937	7.8	20.8
3 2	8 37.68	+ 4 37.0	2.058	2.936	10.7	21.0
3 12	8 33.78	+ 5 51.2	2.135	2.934	13.5	21.2

258167 2001 SF_{116} 2 1.9 100°.21 3°.1/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.13	+ 5 5.7	1.894	2.712	13.8	20.4
1 12	9 15.48	+ 5 45.1	1.831	2.727	10.4	20.3
1 22	9 7.95	+ 6 42.3	1.792	2.742	6.6	20.1
2 1	8 59.33	+ 7 53.7	1.780	2.757	3.4	19.9
2 11	8 50.63	+ 9 13.3	1.799	2.771	4.3	20.0
2 21	8 42.85	+10 34.4	1.846	2.786	7.8	20.2
3 2	8 36.84	+11 50.8	1.920	2.799	11.3	20.5
3 12	8 33.15	+12 58.2	2.017	2.813	14.3	20.7

347892 2002 TR_{219} 2 1.9 150°.15 1°.5/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.45	+11 34.3	1.768	2.601	14.0	21.4
1 12	9 20.08	+11 49.3	1.702	2.612	10.2	21.2
1 22	9 10.47	+12 15.9	1.661	2.622	5.8	21.0
2 1	8 59.54	+12 50.4	1.648	2.631	1.7	20.7
2 11	8 48.52	+13 27.8	1.665	2.640	4.2	20.9
2 21	8 38.62	+14 3.4	1.711	2.647	8.6	21.2
3 2	8 30.84	+14 33.6	1.783	2.654	12.5	21.4
3 12	8 25.80	+14 56.1	1.877	2.660	15.8	21.7

4061 Martelli 2 1.9 228°.09 0°.6/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.10	+17 49.2	2.601	3.444	9.7	17.6
1 12	9 14.51	+18 17.7	2.518	3.436	6.8	17.4
1 22	9 7.37	+18 50.7	2.462	3.429	3.6	17.2
2 1	8 59.29	+19 24.9	2.436	3.421	0.7	16.9
2 11	8 51.05	+19 56.4	2.441	3.413	3.4	17.1
2 21	8 43.42	+20 22.4	2.476	3.405	6.7	17.3
3 2	8 37.12	+20 40.9	2.538	3.396	9.7	17.5
3 12	8 32.68	+20 51.0	2.624	3.387	12.3	17.7

210013 2006 KF_{9} 2 1.9 78°.48 3°.9/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.87	+ 6 32.2	1.515	2.347	16.0	20.0
1 12	9 17.74	+ 6 29.1	1.456	2.359	12.1	19.8
1 22	9 9.28	+ 6 44.2	1.420	2.372	7.7	19.6
2 1	8 59.45	+ 7 15.1	1.409	2.385	4.2	19.4
2 11	8 49.56	+ 7 57.1	1.426	2.398	5.3	19.5
2 21	8 40.90	+ 8 44.2	1.470	2.411	9.3	19.8
3 2	8 34.48	+ 9 30.4	1.538	2.423	13.3	20.0
3 12	8 30.92	+10 11.2	1.628	2.436	16.7	20.3

203080 2000 QF_{85} 2 1.9 94°.53 0°.8/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.11	+14 29.9	1.527	2.375	15.0	19.4
1 12	9 20.01	+14 33.1	1.470	2.389	10.7	19.2
1 22	9 10.47	+14 45.8	1.437	2.403	5.9	19.0
2 1	8 59.54	+15 3.6	1.431	2.416	1.0	18.7
2 11	8 48.64	+15 22.1	1.454	2.429	4.6	18.9
2 21	8 39.10	+15 37.1	1.504	2.442	9.3	19.2
3 2	8 31.98	+15 46.2	1.579	2.455	13.5	19.5
3 12	8 27.86	+15 48.0	1.674	2.468	16.9	19.8

208221 2000 SL_{127} 2 1.9 104°.35 0°.5/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.11	+12 31.4	1.644	2.488	14.3	20.4
1 12	9 17.82	+13 22.2	1.588	2.505	10.2	20.2
1 22	9 9.28	+14 25.8	1.556	2.521	5.6	19.9
2 1	8 59.45	+15 36.1	1.552	2.537	0.8	19.6
2 11	8 49.58	+16 45.7	1.577	2.552	4.3	19.9
2 21	8 40.87	+17 48.2	1.630	2.567	8.9	20.2
3 2	8 34.32	+18 39.5	1.709	2.582	12.8	20.5
3 12	8 30.50	+19 17.4	1.809	2.596	16.1	20.7

208193 2000 QB_{206} 2 1.9 115°.97 0°.4/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.27	+14 4.7	1.779	2.619	13.6	20.8
1 12	9 19.16	+14 33.3	1.723	2.638	9.7	20.6
1 22	9 9.93	+15 11.1	1.692	2.657	5.2	20.4
2 1	8 59.51	+15 53.3	1.690	2.675	0.7	20.1
2 11	8 49.11	+16 34.6	1.718	2.692	4.1	20.4
2 21	8 39.88	+17 10.4	1.774	2.709	8.4	20.7
3 2	8 32.75	+17 37.8	1.856	2.725	12.2	21.0
3 12	8 28.28	+17 55.6	1.960	2.740	15.3	21.2

248137 2004 SC_{49} 2 1.9 225°.41 3°.8/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.43	+ 3 50.0	2.187	2.993	12.6	21.0
1 12	9 14.95	+ 3 57.3	2.099	2.986	9.8	20.8
1 22	9 7.70	+ 4 20.4	2.036	2.979	6.6	20.6
2 1	8 59.34	+ 4 58.1	2.001	2.971	4.1	20.4
2 11	8 50.73	+ 5 46.9	1.996	2.963	4.6	20.5
2 21	8 42.79	+ 6 42.3	2.019	2.955	7.5	20.6
3 2	8 36.34	+ 7 39.4	2.069	2.946	10.7	20.8
3 12	8 31.97	+ 8 33.6	2.143	2.937	13.7	21.0

415860 2001 ST_{150} 2 1.9 120°.46 0°.4/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.59	+16 50.8	2.114	2.956	11.7	21.7
1 12	9 17.75	+17 17.3	2.056	2.973	8.2	21.5
1 22	9 9.10	+17 49.3	2.023	2.989	4.4	21.3
2 1	8 59.44	+18 22.5	2.020	3.005	0.5	21.0
2 11	8 49.79	+18 52.6	2.048	3.021	3.8	21.3
2 21	8 41.12	+19 16.4	2.105	3.036	7.6	21.6
3 2	8 34.22	+19 32.1	2.189	3.050	10.9	21.8
3 12	8 29.62	+19 39.0	2.296	3.064	13.7	22.0

62955 2000 VZ_{36} 2 1.9 10°.52 0°.2/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.38	+13 43.9	1.303	2.168	16.0	18.3
1 12	9 15.75	+14 44.7	1.241	2.169	11.4	18.1
1 22	9 8.43	+16 1.6	1.201	2.170	6.1	17.8
2 1	8 59.41	+17 26.8	1.187	2.173	0.5	17.4
2 11	8 50.15	+18 50.5	1.200	2.176	5.3	17.7
2 21	8 42.14	+20 3.8	1.238	2.179	10.6	18.0
3 2	8 36.63	+21 0.9	1.299	2.183	15.3	18.3
3 12	8 34.34	+21 39.8	1.380	2.188	19.1	18.6

492630 2014 ON_{295} 2 1.9 189°.28 0°.8/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.12	+17 37.0	2.083	2.926	11.8	22.2
1 12	9 18.34	+18 9.8	2.007	2.925	8.3	22.0
1 22	9 9.54	+18 48.4	1.957	2.924	4.4	21.8
2 1	8 59.50	+19 28.1	1.937	2.922	0.8	21.5
2 11	8 49.27	+20 3.9	1.947	2.919	4.2	21.7
2 21	8 39.92	+20 32.2	1.987	2.915	8.1	22.0
3 2	8 32.36	+20 50.9	2.053	2.911	11.7	22.2
3 12	8 27.22	+20 59.3	2.141	2.906	14.6	22.4

250606 Bichat 2 1.9 245°.19 2°.0/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.97	+ 9 23.3	1.729	2.565	14.1	21.2
1 12	9 16.45	+ 9 52.7	1.648	2.558	10.4	21.0
1 22	9 8.67	+10 38.1	1.591	2.550	6.2	20.7
2 1	8 59.44	+11 35.7	1.561	2.543	2.3	20.5
2 11	8 49.90	+12 39.6	1.560	2.535	4.3	20.6
2 21	8 41.22	+13 43.4	1.586	2.527	8.7	20.8
3 2	8 34.48	+14 41.5	1.639	2.519	12.9	21.0
3 12	8 30.40	+15 29.9	1.713	2.510	16.4	21.2

22807 1999 RK_{7} 2 1.9 144°.23 1°.1/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.65	+17 56.7	1.753	2.599	13.5	19.3
1 12	9 20.98	+18 37.3	1.693	2.612	9.5	19.1
1 22	9 10.98	+19 24.0	1.658	2.625	5.0	18.8
2 1	8 59.64	+20 10.7	1.653	2.637	1.1	18.6
2 11	8 48.24	+20 51.1	1.677	2.648	4.8	18.8
2 21	8 38.07	+21 21.3	1.730	2.658	9.1	19.1
3 2	8 30.15	+21 39.3	1.809	2.667	13.0	19.4
3 12	8 25.08	+21 45.4	1.909	2.675	16.1	19.6

60565 2000 EB_{109} 2 1.9 357°.17 2°.9/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.48	+ 7 26.3	1.356	2.205	16.5	18.0
1 12	9 14.33	+ 7 59.4	1.287	2.202	12.3	17.7
1 22	9 7.66	+ 8 54.6	1.240	2.199	7.6	17.4
2 1	8 59.38	+10 7.7	1.217	2.198	3.3	17.2
2 11	8 50.83	+11 31.0	1.221	2.197	5.0	17.3
2 21	8 43.38	+12 55.3	1.251	2.198	9.8	17.5
3 2	8 38.20	+14 12.4	1.304	2.199	14.4	17.8
3 12	8 36.04	+15 16.6	1.377	2.201	18.4	18.1

466046 2011 LN_{14} 2 1.9 162°.48 4°.7/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 18.03	− 4 9.9	3.238	3.987	10.2	22.8
1 12	9 12.75	− 4 9.2	3.156	3.993	8.3	22.7
1 22	9 6.34	− 3 54.0	3.098	3.999	6.4	22.6
2 1	8 59.27	− 3 24.6	3.069	4.005	5.0	22.5
2 11	8 52.10	− 2 42.8	3.069	4.010	4.9	22.5
2 21	8 45.41	− 1 51.6	3.099	4.014	6.1	22.5
3 2	8 39.71	− 0 54.6	3.158	4.018	7.9	22.7
3 12	8 35.41	+ 0 4.2	3.243	4.022	9.8	22.8

316078 2009 JZ_{13} 2 1.9 95°.83 3°.2/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.68	+22 56.7	1.709	2.569	13.1	21.1
1 12	9 18.29	+23 54.7	1.654	2.580	9.2	20.9
1 22	9 9.59	+24 54.6	1.625	2.591	5.2	20.7
2 1	8 59.54	+25 48.9	1.623	2.601	3.2	20.5
2 11	8 49.43	+26 30.9	1.650	2.612	6.0	20.7
2 21	8 40.53	+26 57.0	1.704	2.622	9.9	21.0
3 2	8 33.86	+27 6.4	1.782	2.632	13.5	21.2
3 12	8 30.02	+27 0.6	1.880	2.642	16.5	21.5

129544 1996 RE_{24} 2 1.9 106°.31 2°.4/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.53	+21 52.4	1.761	2.612	13.2	20.3
1 12	9 20.79	+22 33.6	1.713	2.635	9.2	20.1
1 22	9 10.81	+23 16.3	1.691	2.657	5.1	19.9
2 1	8 59.64	+23 53.9	1.698	2.679	2.4	19.8
2 11	8 48.58	+24 21.2	1.735	2.700	5.4	20.0
2 21	8 38.88	+24 35.2	1.799	2.721	9.3	20.3
3 2	8 31.47	+24 35.8	1.890	2.741	12.8	20.5
3 12	8 26.89	+24 24.4	2.001	2.760	15.7	20.8

431158 2006 RO_{2} 2 1.9 158°.89 3°.7/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.71	+ 3 33.3	2.604	3.401	11.1	21.1
1 12	9 14.15	+ 3 24.4	2.524	3.404	8.6	21.0
1 22	9 7.17	+ 3 28.1	2.471	3.408	5.9	20.8
2 1	8 59.35	+ 3 43.7	2.446	3.411	3.9	20.7
2 11	8 51.42	+ 4 9.0	2.451	3.414	4.3	20.7
2 21	8 44.10	+ 4 40.8	2.485	3.417	6.5	20.8
3 2	8 38.04	+ 5 15.9	2.548	3.419	9.2	21.0
3 12	8 33.73	+ 5 50.6	2.634	3.421	11.6	21.2

383001 2005 JO_{133} 2 1.9 339°.54 4°.1/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.89	+26 55.3	2.138	2.996	10.9	20.3
1 12	9 15.45	+28 7.0	2.072	2.995	7.8	20.1
1 22	9 8.04	+29 18.1	2.034	2.994	5.1	19.9
2 1	8 59.43	+30 21.5	2.024	2.993	4.3	19.9
2 11	8 50.63	+31 11.4	2.044	2.991	6.4	20.0
2 21	8 42.68	+31 44.2	2.091	2.990	9.4	20.2
3 2	8 36.49	+31 59.3	2.162	2.990	12.3	20.4
3 12	8 32.67	+31 57.9	2.255	2.989	14.8	20.6

377319 2004 HE_{57} 2 1.9 184°.66 11°.1/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.87	+33 10.5	1.205	2.076	16.6	20.1
1 12	9 23.68	+36 50.8	1.159	2.076	13.2	19.9
1 22	9 13.32	+40 25.7	1.139	2.076	11.2	19.8
2 1	8 59.90	+43 31.6	1.146	2.076	12.1	19.8
2 11	8 45.59	+45 50.1	1.178	2.075	15.1	20.0
2 21	8 32.90	+47 15.1	1.232	2.074	18.7	20.2
3 2	8 23.96	+47 50.8	1.304	2.073	21.9	20.4
3 12	8 19.90	+47 47.8	1.388	2.071	24.6	20.6

75686 2000 AQ_{100} 2 1.9 120°.79 5°.8/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.30	+30 16.4	1.871	2.726	12.4	19.4
1 12	9 20.13	+31 47.5	1.826	2.742	9.1	19.2
1 22	9 10.59	+33 13.3	1.806	2.758	6.5	19.1
2 1	8 59.65	+34 24.5	1.816	2.773	6.0	19.1
2 11	8 48.66	+35 14.5	1.854	2.787	8.1	19.2
2 21	8 38.93	+35 40.8	1.918	2.801	11.0	19.4
3 2	8 31.49	+35 44.5	2.007	2.814	13.9	19.7
3 12	8 26.95	+35 29.4	2.114	2.827	16.3	19.9

307747 2003 UO_{279} 2 1.9 21°.90 3°.4/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.75	+20 13.6	0.999	1.888	17.6	18.8
1 12	9 15.70	+21 26.0	0.961	1.900	12.3	18.5
1 22	9 8.49	+22 46.0	0.943	1.915	6.7	18.3
2 1	8 59.47	+24 1.6	0.949	1.931	3.4	18.1
2 11	8 50.52	+25 1.9	0.978	1.948	7.5	18.4
2 21	8 43.38	+25 40.3	1.031	1.967	12.7	18.8
3 2	8 39.30	+25 55.3	1.103	1.988	17.3	19.1
3 12	8 38.84	+25 49.1	1.193	2.010	21.1	19.4

239336 2007 RU_{97} 2 1.9 134°.62 3°.0/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.90	+ 3 48.7	2.698	3.496	10.7	20.9
1 12	9 13.52	+ 4 11.9	2.625	3.508	8.2	20.8
1 22	9 6.82	+ 4 48.2	2.578	3.519	5.5	20.6
2 1	8 59.34	+ 5 35.7	2.560	3.530	3.3	20.5
2 11	8 51.79	+ 6 31.0	2.573	3.541	3.7	20.5
2 21	8 44.84	+ 7 30.2	2.616	3.551	6.1	20.7
3 2	8 39.11	+ 8 29.2	2.688	3.561	8.7	20.9
3 12	8 35.04	+ 9 24.4	2.784	3.570	11.1	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
366464 2002 CT_{262}			2 1.9 33°.13	4°.0/ 3.3 18		
	h m	° ′			°	m
1 2	9 28.39	+ 9 34.6	1.696	2.523	14.8	20.0
1 12	9 20.82	+ 8 29.2	1.626	2.528	11.1	19.8
1 22	9 10.93	+ 7 33.5	1.581	2.533	7.1	19.5
2 1	8 59.69	+ 6 48.5	1.563	2.538	4.1	19.4
2 11	8 48.36	+ 6 13.7	1.575	2.543	5.4	19.5
2 21	8 38.22	+ 5 48.0	1.615	2.549	9.2	19.7
3 2	8 30.28	+ 5 29.1	1.681	2.555	12.9	19.9
3 12	8 25.17	+ 5 14.1	1.768	2.561	16.2	20.2
369278 2009 QK_{36}			2 1.9 192°.49	2°.7/ 4.1 18		
1 2	9 20.70	+ 5 42.5	2.148	2.962	12.6	21.1
1 12	9 15.18	+ 6 22.2	2.066	2.961	9.4	20.9
1 22	9 7.87	+ 7 18.2	2.009	2.959	6.0	20.6
2 1	8 59.44	+ 8 27.4	1.980	2.957	3.0	20.4
2 11	8 50.79	+ 9 44.8	1.982	2.955	3.9	20.5
2 21	8 42.84	+11 4.2	2.013	2.952	7.3	20.7
3 2	8 36.42	+12 20.2	2.073	2.948	10.8	20.9
3 12	8 32.12	+13 28.3	2.155	2.944	13.8	21.1
350604 2001 RW_{130}			2 1.9 183°.47	2°.0/31.7 18		
1 2	9 27.21	+20 20.5	1.770	2.621	13.1	21.8
1 12	9 20.14	+21 3.7	1.700	2.622	9.3	21.6
1 22	9 10.65	+21 51.3	1.655	2.622	5.0	21.3
2 1	8 59.67	+22 36.9	1.639	2.622	2.0	21.1
2 11	8 48.50	+23 14.2	1.653	2.621	5.3	21.3
2 21	8 38.43	+23 39.2	1.694	2.619	9.6	21.6
3 2	8 30.56	+23 50.4	1.761	2.616	13.4	21.8
3 12	8 25.55	+23 48.4	1.849	2.613	16.6	22.0
48827 1997 YB			2 1.9 77°.54	0°.1/ 1.9 18		
1 2	9 21.78	+14 52.8	2.169	3.010	11.4	18.9
1 12	9 15.71	+15 24.0	2.119	3.035	8.1	18.7
1 22	9 8.02	+16 2.0	2.094	3.060	4.3	18.5
2 1	8 59.45	+16 42.9	2.099	3.084	0.4	18.2
2 11	8 50.93	+17 22.3	2.134	3.109	3.5	18.5
2 21	8 43.33	+17 56.5	2.199	3.133	7.1	18.8
3 2	8 37.37	+18 23.2	2.290	3.156	10.3	19.1
3 12	8 33.52	+18 41.3	2.404	3.180	12.9	19.3
136546 6208 P–L			2 1.9 193°.17	5°.0/30.0 18		
1 2	9 30.19	+30 30.3	1.983	2.831	12.1	20.4
1 12	9 22.12	+31 7.6	1.915	2.829	8.9	20.2
1 22	9 11.65	+31 38.8	1.873	2.827	6.0	20.0
2 1	8 59.76	+31 57.1	1.860	2.825	5.0	19.9
2 11	8 47.78	+31 57.8	1.877	2.821	7.1	20.0
2 21	8 37.02	+31 39.5	1.921	2.818	10.3	20.2
3 2	8 28.53	+31 4.3	1.990	2.813	13.4	20.4
3 12	8 22.96	+30 15.8	2.080	2.809	16.1	20.6
7837 Mutsumi			2 1.9 82°.15	6°.4/28.9 18		
1 2	9 29.97	+32 44.7	1.794	2.645	13.0	17.4
1 12	9 21.88	+33 57.9	1.764	2.676	9.7	17.3
1 22	9 11.40	+35 1.4	1.760	2.707	7.1	17.2
2 1	8 59.73	+35 46.7	1.785	2.737	6.5	17.2
2 11	8 48.30	+36 9.0	1.837	2.767	8.4	17.4
2 21	8 38.45	+36 7.7	1.916	2.796	11.2	17.6
3 2	8 31.13	+35 45.8	2.018	2.824	13.9	17.9
3 12	8 26.83	+35 8.0	2.139	2.852	16.1	18.1
265716 2005 UH_{296}			2 1.9 123°.26	1°.2/ 2.7 18		
1 2	9 22.60	+12 1.3	2.019	2.854	12.4	21.4
1 12	9 16.50	+12 19.3	1.952	2.863	9.0	21.2
1 22	9 8.55	+12 47.4	1.911	2.873	5.1	21.0
2 1	8 59.51	+13 22.2	1.898	2.881	1.4	20.8
2 11	8 50.39	+13 59.4	1.915	2.890	3.7	21.0
2 21	8 42.17	+14 34.8	1.961	2.898	7.6	21.2
3 2	8 35.69	+15 5.1	2.034	2.906	11.1	21.4
3 12	8 31.50	+15 28.3	2.129	2.914	14.0	21.7
330059 2005 UA_{461}			2 1.9 178°.26	0°.4/ 2.1 16		
1 2	9 22.63	+14 33.0	2.096	2.936	11.8	21.8
1 12	9 16.55	+14 54.6	2.022	2.937	8.4	21.6
1 22	9 8.61	+15 24.2	1.973	2.938	4.6	21.3
2 1	8 59.52	+15 58.0	1.953	2.938	0.6	21.0
2 11	8 50.29	+16 31.8	1.964	2.938	3.7	21.3
2 21	8 41.90	+17 1.8	2.003	2.938	7.6	21.5
3 2	8 35.18	+17 25.2	2.069	2.937	11.1	21.7
3 12	8 30.74	+17 40.5	2.158	2.937	14.1	21.9
460110 2014 PA_{21}			2 1.9 156°.67	0°.7/ 1.5 18		
1 2	9 24.45	+16 34.1	1.883	2.729	12.7	22.0
1 12	9 18.00	+17 17.4	1.816	2.735	9.0	21.8
1 22	9 9.44	+18 8.4	1.774	2.741	4.8	21.5
2 1	8 59.60	+19 1.6	1.761	2.746	0.7	21.2
2 11	8 49.62	+19 51.1	1.778	2.750	4.3	21.5
2 21	8 40.63	+20 32.2	1.824	2.754	8.5	21.8
3 2	8 33.58	+21 2.1	1.895	2.758	12.3	22.0
3 12	8 29.08	+21 20.1	1.988	2.761	15.3	22.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
337587 2001 SF_{342}			2 1.9 125°.71	0°.4/ 1.6 17		
	h m	° ′			°	m
1 2	9 20.62	+16 47.9	2.649	3.489	9.7	22.2
1 12	9 14.77	+17 16.4	2.585	3.501	6.8	22.0
1 22	9 7.50	+17 49.5	2.548	3.514	3.6	21.8
2 1	8 59.43	+18 23.9	2.541	3.526	0.4	21.5
2 11	8 51.32	+18 56.1	2.565	3.537	3.2	21.8
2 21	8 43.91	+19 23.2	2.619	3.549	6.3	22.0
3 2	8 37.84	+19 43.5	2.701	3.560	9.2	22.2
3 12	8 33.56	+19 56.0	2.807	3.570	11.5	22.4
323147 2003 ER_{18}			2 1.9 297°.35	7°.8/ 9.3 18		
1 2	9 19.84	−10 22.3	1.878	2.619	16.8	19.9
1 12	9 14.82	− 9 31.7	1.789	2.616	14.1	19.7
1 22	9 7.79	− 8 7.0	1.720	2.613	11.2	19.5
2 1	8 59.47	− 6 8.5	1.678	2.611	8.7	19.3
2 11	8 50.87	− 3 41.8	1.663	2.608	7.8	19.2
2 21	8 43.04	− 0 56.7	1.678	2.605	9.4	19.3
3 2	8 36.94	+ 1 54.6	1.722	2.603	12.3	19.5
3 12	8 33.22	+ 4 40.2	1.792	2.601	15.4	19.7
16173 2000 AC_{98}			2 1.9 245°.18	2°.9/31.1 18		
1 2	9 26.49	+21 41.8	1.719	2.574	13.2	18.1
1 12	9 19.95	+22 41.3	1.634	2.558	9.4	17.8
1 22	9 10.74	+23 46.1	1.575	2.542	5.3	17.5
2 1	8 59.73	+24 48.7	1.544	2.524	2.9	17.4
2 11	8 48.23	+25 41.2	1.542	2.506	6.2	17.5
2 21	8 37.67	+26 18.1	1.568	2.487	10.6	17.7
3 2	8 29.32	+26 37.3	1.618	2.468	14.7	17.9
3 12	8 24.02	+26 39.7	1.688	2.447	18.1	18.1
4509 Gorbatskij			2 1.9 106°.95	3°.8/ 5.1 18	R	
1 2	9 21.52	+ 2 41.3	2.279	3.076	12.5	16.9
1 12	9 15.49	+ 2 59.9	2.218	3.098	9.6	16.7
1 22	9 7.92	+ 3 34.4	2.182	3.120	6.5	16.6
2 1	8 59.48	+ 4 22.6	2.174	3.142	4.1	16.4
2 11	8 51.03	+ 5 20.5	2.197	3.163	4.4	16.5
2 21	8 43.39	+ 6 23.1	2.249	3.184	6.9	16.7
3 2	8 37.26	+ 7 25.7	2.329	3.203	9.8	16.9
3 12	8 33.10	+ 8 24.1	2.434	3.223	12.4	17.1
136473 Bakosgáspár			2 1.9 148°.73	0°.7/ 2.4 18		
1 2	9 22.85	+12 1.1	1.893	2.731	13.0	20.2
1 12	9 16.85	+12 51.3	1.824	2.738	9.3	20.0
1 22	9 8.82	+13 53.8	1.781	2.745	5.2	19.8
2 1	8 59.56	+15 3.6	1.766	2.751	0.9	19.5
2 11	8 50.14	+16 14.2	1.782	2.756	3.9	19.7
2 21	8 41.64	+17 19.6	1.826	2.762	8.1	20.0
3 2	8 34.97	+18 15.4	1.897	2.766	11.9	20.2
3 12	8 30.76	+18 59.2	1.989	2.771	15.0	20.4
197643 2004 LO_{11}			2 1.9 257°.27	1°.5/ 1.1 18		
1 2	9 25.90	+18 20.2	1.539	2.396	14.4	21.2
1 12	9 19.67	+19 1.8	1.456	2.381	10.3	21.0
1 22	9 10.65	+19 52.2	1.398	2.366	5.6	20.6
2 1	8 59.73	+20 44.6	1.366	2.350	1.5	20.3
2 11	8 48.33	+21 31.3	1.362	2.334	5.6	20.6
2 21	8 37.95	+22 6.7	1.386	2.317	10.6	20.8
3 2	8 29.95	+22 27.6	1.433	2.300	15.2	21.0
3 12	8 25.19	+22 33.7	1.500	2.283	19.0	21.2
425051 2009 QR_{29}			2 1.9 106°.18	5°.1/ 6.0 18		
1 2	9 21.26	− 0 34.5	2.112	2.898	13.7	21.9
1 12	9 15.45	− 0 27.5	2.048	2.916	10.8	21.8
1 22	9 7.95	− 0 1.1	2.008	2.934	7.8	21.6
2 1	8 59.49	+ 0 43.2	1.994	2.951	5.5	21.5
2 11	8 50.99	+ 1 41.8	2.010	2.968	5.5	21.5
2 21	8 43.33	+ 2 49.3	2.054	2.985	7.7	21.7
3 2	8 37.26	+ 3 59.8	2.125	3.001	10.6	21.9
3 12	8 33.29	+ 5 7.9	2.220	3.016	13.2	22.1
499459 2010 ET_{126}			2 1.9 213°.46	6°.8/27.8 18		
1 2	9 28.66	+40 0.2	2.511	3.341	10.4	20.9
1 12	9 20.80	+40 42.9	2.449	3.337	8.5	20.7
1 22	9 10.86	+41 13.9	2.413	3.333	7.1	20.6
2 1	8 59.74	+41 27.2	2.406	3.329	6.9	20.6
2 11	8 48.60	+41 19.2	2.426	3.325	8.2	20.7
2 21	8 38.57	+40 49.9	2.474	3.321	10.2	20.8
3 2	8 30.57	+40 1.7	2.546	3.316	12.3	21.0
3 12	8 25.15	+38 58.9	2.638	3.311	14.2	21.1
417809 2007 EN_{193}			2 1.9 237°.98	1°.0/ 1.3 18		
1 2	9 23.39	+18 34.5	1.875	2.727	12.5	21.6
1 12	9 17.32	+19 0.2	1.802	2.725	8.8	21.4
1 22	9 9.11	+19 31.2	1.755	2.723	4.7	21.1
2 1	8 59.61	+20 2.7	1.737	2.721	1.0	20.8
2 11	8 49.94	+20 29.7	1.747	2.719	4.5	21.1
2 21	8 41.23	+20 48.6	1.785	2.717	8.6	21.3
3 2	8 34.45	+20 57.6	1.849	2.715	12.4	21.5
3 12	8 30.24	+20 56.2	1.935	2.712	15.5	21.8

14445 Koichi 2 1.9 94°.08 0°.9/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 22.45	+18 22.4	2.287	3.132	10.8	18.5
1 12	9 16.19	+18 53.6	2.233	3.152	7.5	18.3
1 22	9 8.31	+19 28.8	2.205	3.172	4.0	18.1
2 1	8 59.54	+20 3.8	2.208	3.192	0.9	17.9
2 11	8 50.80	+20 34.4	2.240	3.211	3.7	18.1
2 21	8 42.95	+20 57.9	2.303	3.231	7.2	18.4
3 2	8 36.71	+21 12.6	2.392	3.249	10.2	18.6
3 12	8 32.55	+21 18.3	2.503	3.268	12.7	18.8

293688 2007 PS_{34} 2 1.9 134°.93 0°.7/ 2.4 18

1 2	9 25.79	+13 10.9	1.948	2.783	12.8	21.7
1 12	9 18.79	+13 38.2	1.886	2.798	9.2	21.5
1 22	9 9.80	+14 15.0	1.849	2.813	5.1	21.3
2 1	8 59.67	+14 57.0	1.842	2.826	0.9	21.0
2 11	8 49.51	+15 39.3	1.865	2.839	3.8	21.3
2 21	8 40.36	+16 17.4	1.917	2.852	7.9	21.5
3 2	8 33.12	+16 48.4	1.996	2.863	11.5	21.8
3 12	8 28.34	+17 10.6	2.097	2.874	14.5	22.0

380112 2013 TR_{46} 2 1.9 72°.59 0°.3/ 1.7 18

1 2	9 21.79	+16 33.9	1.988	2.836	12.0	21.3
1 12	9 16.01	+16 59.4	1.922	2.842	8.5	21.1
1 22	9 8.34	+17 31.5	1.882	2.849	4.5	20.8
2 1	8 59.55	+18 5.9	1.870	2.855	0.4	20.5
2 11	8 50.68	+18 37.9	1.888	2.862	3.9	20.8
2 21	8 42.73	+19 4.0	1.935	2.869	7.9	21.1
3 2	8 36.56	+19 21.8	2.007	2.875	11.4	21.3
3 12	8 32.71	+19 30.4	2.102	2.882	14.4	21.5

351698 2006 BG_{140} 2 1.9 68°.67 0°.1/ 1.9 18

1 2	9 27.70	+16 23.7	1.325	2.183	16.2	20.9
1 12	9 20.70	+16 34.9	1.276	2.201	11.5	20.6
1 22	9 10.99	+16 54.7	1.251	2.218	6.1	20.4
2 1	8 59.78	+17 17.6	1.251	2.236	0.5	20.0
2 11	8 48.69	+17 37.7	1.279	2.254	5.1	20.4
2 21	8 39.21	+17 51.0	1.333	2.272	10.2	20.8
3 2	8 32.48	+17 55.5	1.411	2.290	14.6	21.1
3 12	8 29.04	+17 50.7	1.508	2.308	18.2	21.3

248026 2004 FA_{77} 2 1.9 353°.43 1°.6/31.9 18

1 2	9 21.03	+20 13.5	1.883	2.741	12.1	20.5
1 12	9 15.65	+20 39.3	1.813	2.738	8.6	20.3
1 22	9 8.22	+21 8.9	1.768	2.736	4.6	20.0
2 1	8 59.56	+21 37.4	1.750	2.734	1.6	19.8
2 11	8 50.75	+22 0.1	1.762	2.732	4.7	20.0
2 21	8 42.88	+22 13.7	1.801	2.731	8.7	20.3
3 2	8 36.89	+22 16.6	1.865	2.731	12.3	20.5
3 12	8 33.37	+22 8.8	1.950	2.731	15.3	20.7

329985 2005 SY_{229} 2 1.9 32°.36 0°.3/ 1.7 18

1 2	9 22.83	+16 25.4	1.675	2.529	13.6	21.2
1 12	9 17.05	+16 49.7	1.609	2.532	9.7	21.0
1 22	9 9.02	+17 21.9	1.568	2.535	5.2	20.7
2 1	8 59.63	+17 57.3	1.553	2.538	0.5	20.4
2 11	8 50.11	+18 30.3	1.568	2.542	4.5	20.7
2 21	8 41.67	+18 56.6	1.609	2.546	9.0	21.0
3 2	8 35.32	+19 13.5	1.675	2.549	13.0	21.2
3 12	8 31.70	+19 20.0	1.762	2.553	16.3	21.4

315153 2007 ED_{223} 2 1.9 323°.44 15°.0/21.0 18

1 2	9 43.69	+59 4.6	1.847	2.613	16.1	19.9
1 12	9 33.38	+60 35.1	1.813	2.608	15.3	19.8
1 22	9 18.28	+61 35.1	1.798	2.605	15.0	19.8
2 1	9 0.41	+61 53.0	1.805	2.601	15.4	19.8
2 11	8 42.81	+61 24.2	1.831	2.597	16.4	19.9
2 21	8 28.29	+60 12.3	1.876	2.594	17.7	20.0
3 2	8 18.57	+58 26.3	1.938	2.591	19.2	20.1
3 12	8 14.06	+56 17.1	2.013	2.588	20.5	20.2

323806 2005 QP_{173} 2 1.9 133°.36 4°.9/ 5.9 18

1 2	9 21.28	− 0 12.8	2.212	2.997	13.2	21.4
1 12	9 15.46	− 0 3.8	2.141	3.010	10.4	21.2
1 22	9 7.99	+ 0 23.7	2.094	3.022	7.5	21.0
2 1	8 59.55	+ 1 8.4	2.075	3.033	5.2	20.9
2 11	8 51.01	+ 2 6.7	2.084	3.044	5.3	20.9
2 21	8 43.24	+ 3 13.6	2.123	3.054	7.5	21.1
3 2	8 36.98	+ 4 23.5	2.190	3.064	10.3	21.3
3 12	8 32.76	+ 5 31.2	2.280	3.073	13.0	21.5

81327 2000 GY_{26} 2 1.9 165°.93 0°.9/ 2.6 18

1 2	9 22.76	+12 18.1	2.324	3.153	11.2	20.6
1 12	9 16.50	+12 46.6	2.250	3.159	8.1	20.4
1 22	9 8.56	+13 24.3	2.202	3.163	4.5	20.2
2 1	8 59.60	+14 7.6	2.184	3.168	1.1	20.0
2 11	8 50.51	+14 52.3	2.197	3.171	3.4	20.1
2 21	8 42.18	+15 34.5	2.240	3.174	6.9	20.4
3 2	8 35.36	+16 11.1	2.311	3.177	10.2	20.6
3 12	8 30.60	+16 40.1	2.405	3.178	13.0	20.8

281487 2008 SD_{267} 2 1.9 14°.66 5°.6/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 18.93	+ 0 4.5	1.928	2.727	14.4	20.0
1 12	9 14.06	− 0 3.3	1.853	2.728	11.4	19.8
1 22	9 7.35	+ 0 8.9	1.800	2.730	8.4	19.6
2 1	8 59.51	+ 0 40.7	1.774	2.732	6.0	19.5
2 11	8 51.49	+ 1 29.1	1.775	2.734	6.0	19.5
2 21	8 44.27	+ 2 28.8	1.803	2.737	8.4	19.6
3 2	8 38.69	+ 3 33.8	1.858	2.740	11.5	19.8
3 12	8 35.34	+ 4 38.1	1.935	2.743	14.4	20.0

229800 2008 ST_{35} 2 1.9 100°.19 0°.5/ 1.6 18

1 2	9 21.73	+16 55.4	2.083	2.931	11.6	20.8
1 12	9 15.92	+17 25.8	2.017	2.937	8.2	20.6
1 22	9 8.29	+18 2.4	1.977	2.944	4.3	20.4
2 1	8 59.59	+18 40.7	1.966	2.951	0.6	20.1
2 11	8 50.81	+19 16.2	1.985	2.958	3.9	20.4
2 21	8 42.90	+19 45.2	2.032	2.965	7.7	20.6
3 2	8 36.69	+20 5.5	2.106	2.971	11.1	20.9
3 12	8 32.72	+20 16.2	2.202	2.978	13.9	21.1

34307 Arielhaas 2 1.9 214°.50 1°.4/31.9 18

1 2	9 23.23	+19 10.8	2.129	2.977	11.4	19.5
1 12	9 17.09	+19 50.5	2.050	2.971	8.0	19.3
1 22	9 8.99	+20 35.1	1.998	2.965	4.3	19.0
2 1	8 59.66	+21 19.7	1.975	2.959	1.4	18.8
2 11	8 50.11	+21 59.1	1.983	2.952	4.4	19.0
2 21	8 41.37	+22 29.5	2.019	2.945	8.2	19.2
3 2	8 34.32	+22 49.0	2.081	2.937	11.6	19.4
3 12	8 29.61	+22 57.0	2.166	2.929	14.5	19.6

1708 Pólit 2 1.9 28°.10 4°.0/ 4.4 18 R

1 2	9 19.32	+ 5 50.0	1.302	2.147	17.3	14.8
1 12	9 14.71	+ 6 1.0	1.260	2.169	13.0	14.6
1 22	9 7.77	+ 6 33.9	1.239	2.193	8.3	14.4
2 1	8 59.55	+ 7 24.9	1.242	2.219	4.4	14.3
2 11	8 51.42	+ 8 27.0	1.271	2.245	5.4	14.4
2 21	8 44.65	+ 9 32.2	1.325	2.272	9.4	14.7
3 2	8 40.20	+10 33.5	1.403	2.300	13.5	15.0
3 12	8 38.59	+11 25.6	1.502	2.329	16.9	15.3

88592 2001 QL_{267} 2 1.9 167°.17 2°.2/ 3.4 18

1 2	9 25.18	+ 8 46.6	1.875	2.699	13.7	20.5
1 12	9 18.53	+ 9 11.3	1.801	2.705	10.1	20.3
1 22	9 9.78	+ 9 50.4	1.753	2.710	6.1	20.1
2 1	8 59.73	+10 40.4	1.733	2.714	2.5	19.8
2 11	8 49.51	+11 36.2	1.743	2.717	4.1	20.0
2 21	8 40.21	+12 32.1	1.782	2.719	8.2	20.2
3 2	8 32.82	+13 23.4	1.847	2.721	12.0	20.4
3 12	8 27.96	+14 6.6	1.935	2.722	15.2	20.6

288838 2004 RL_{197} 2 1.9 61°.91 4°.9/ 4.6 18

1 2	9 23.34	+ 4 35.2	1.384	2.215	17.3	20.2
1 12	9 17.64	+ 4 30.1	1.324	2.225	13.2	20.0
1 22	9 9.43	+ 4 47.0	1.286	2.235	8.8	19.8
2 1	8 59.70	+ 5 24.1	1.273	2.246	5.3	19.6
2 11	8 49.87	+ 6 16.0	1.286	2.256	6.0	19.7
2 21	8 41.30	+ 7 15.5	1.325	2.267	9.9	19.9
3 2	8 35.12	+ 8 15.4	1.388	2.278	14.1	20.2
3 12	8 31.96	+ 9 9.5	1.471	2.289	17.7	20.5

271085 2003 QB_{3} 2 1.9 241°.01 0°.4/ 2.2 17

1 2	9 22.68	+14 53.7	2.174	3.013	11.5	20.9
1 12	9 16.64	+15 4.2	2.090	3.005	8.2	20.7
1 22	9 8.73	+15 21.8	2.031	2.996	4.5	20.4
2 1	8 59.65	+15 43.2	2.002	2.987	0.7	20.1
2 11	8 50.35	+16 5.0	2.003	2.977	3.6	20.3
2 21	8 41.80	+16 23.8	2.033	2.968	7.5	20.5
3 2	8 34.87	+16 37.3	2.090	2.958	11.0	20.7
3 12	8 30.15	+16 44.1	2.169	2.948	14.0	20.9

64307 2001 UQ_{29} 2 1.9 82°.53 4°.5/29.2 18

1 2	9 23.28	+29 59.0	2.334	3.186	10.3	19.1
1 12	9 16.90	+31 3.5	2.292	3.208	7.6	19.0
1 22	9 8.75	+32 3.1	2.277	3.230	5.2	18.9
2 1	8 59.64	+32 51.8	2.291	3.251	4.6	18.9
2 11	8 50.56	+33 25.3	2.335	3.273	6.4	19.0
2 21	8 42.46	+33 41.6	2.407	3.294	8.9	19.2
3 2	8 36.12	+33 41.5	2.503	3.315	11.3	19.4
3 12	8 32.02	+33 27.0	2.621	3.336	13.4	19.6

414817 2010 TL_{149} 2 1.9 36°.47 11°.1/27.0 16

1 2	9 28.62	+39 55.7	1.284	2.146	16.4	20.1
1 12	9 21.93	+41 33.9	1.260	2.165	13.4	20.0
1 22	9 11.82	+42 51.7	1.259	2.186	11.4	19.9
2 1	8 59.89	+43 36.8	1.281	2.208	11.4	20.0
2 11	8 48.29	+43 43.3	1.326	2.230	13.2	20.1
2 21	8 38.91	+43 13.5	1.392	2.253	15.8	20.3
3 2	8 33.00	+42 14.1	1.478	2.277	18.4	20.6
3 12	8 30.98	+40 53.9	1.581	2.301	20.7	20.8

453270 2008 SJ_{290} 2 1.9 99°.67 2°.1/ 3.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 26.51	+ 8 38.0	1.649	2.477	15.0	22.9
1 12	9 19.44	+ 9 16.7	1.599	2.505	11.0	22.7
1 22	9 10.19	+10 11.0	1.574	2.532	6.4	22.5
2 1	8 59.76	+11 15.9	1.577	2.558	2.4	22.3
2 11	8 49.42	+12 24.5	1.609	2.584	4.3	22.5
2 21	8 40.33	+13 30.4	1.670	2.609	8.5	22.8
3 2	8 33.44	+14 28.3	1.757	2.632	12.4	23.1
3 12	8 29.27	+15 15.3	1.866	2.655	15.6	23.3

195399 2002 GK_{20} 2 1.9 163°.03 6°.2/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.62	+36 39.3	2.435	3.275	10.4	20.0
1 12	9 19.41	+37 42.2	2.380	3.280	8.2	19.8
1 22	9 10.18	+38 36.1	2.352	3.284	6.5	19.7
2 1	8 59.77	+39 14.4	2.353	3.288	6.4	19.7
2 11	8 49.28	+39 32.8	2.382	3.291	7.9	19.8
2 21	8 39.81	+39 30.2	2.438	3.294	10.0	20.0
3 2	8 32.26	+39 8.4	2.518	3.296	12.2	20.1
3 12	8 27.20	+38 30.9	2.618	3.298	14.2	20.3

156566 2002 EU_{85} 2 1.9 302°.48 1°.1/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.55	+12 14.6	1.825	2.669	13.1	19.7
1 12	9 15.43	+12 40.1	1.743	2.659	9.5	19.5
1 22	9 8.20	+13 17.8	1.685	2.648	5.4	19.2
2 1	8 59.61	+14 3.8	1.655	2.639	1.3	18.9
2 11	8 50.73	+14 53.0	1.653	2.629	4.0	19.1
2 21	8 42.67	+15 40.1	1.679	2.619	8.4	19.3
3 2	8 36.41	+16 20.7	1.731	2.610	12.4	19.5
3 12	8 32.66	+16 52.0	1.805	2.601	15.8	19.7

54507 2000 OD_{59} 2 1.9 315°.53 0°.2/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.74	+12 50.2	1.607	2.460	14.1	18.6
1 12	9 15.12	+13 48.1	1.527	2.448	10.2	18.3
1 22	9 8.15	+15 1.5	1.470	2.437	5.6	18.0
2 1	8 59.61	+16 24.5	1.441	2.426	0.6	17.6
2 11	8 50.69	+17 49.1	1.440	2.416	4.6	17.9
2 21	8 42.65	+19 7.3	1.466	2.405	9.5	18.2
3 2	8 36.63	+20 13.0	1.517	2.395	13.8	18.4
3 12	8 33.40	+21 3.1	1.588	2.386	17.5	18.6

421619 2014 OV_{277} 2 1.9 141°.10 1°.8/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.62	+19 9.7	1.856	2.707	12.6	21.3
1 12	9 18.20	+20 10.4	1.794	2.717	8.8	21.0
1 22	9 9.61	+21 16.9	1.758	2.725	4.7	20.8
2 1	8 59.73	+22 22.4	1.751	2.733	1.8	20.6
2 11	8 49.72	+23 20.1	1.773	2.741	5.0	20.9
2 21	8 40.74	+24 5.3	1.824	2.748	9.0	21.1
3 2	8 33.77	+24 35.8	1.901	2.755	12.6	21.3
3 12	8 29.41	+24 51.7	1.998	2.761	15.6	21.6

363757 2005 CJ_{10} 2 1.9 33°.84 2°.8/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.54	+20 21.8	1.141	2.019	16.8	20.7
1 12	9 18.17	+21 14.2	1.099	2.033	11.8	20.5
1 22	9 9.80	+22 12.6	1.078	2.049	6.4	20.2
2 1	8 59.75	+23 7.4	1.083	2.065	2.8	20.0
2 11	8 49.78	+23 49.7	1.112	2.082	6.7	20.3
2 21	8 41.54	+24 14.6	1.165	2.101	11.8	20.7
3 2	8 36.25	+24 21.1	1.241	2.119	16.2	21.0
3 12	8 34.45	+24 10.7	1.334	2.139	19.8	21.3

492953 2014 SJ_{74} 2 1.9 255°.00 4°.9/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.28	+26 53.9	1.606	2.468	13.6	21.1
1 12	9 19.89	+27 58.5	1.537	2.461	9.9	20.8
1 22	9 10.76	+29 2.4	1.493	2.454	6.3	20.6
2 1	8 59.85	+29 56.5	1.476	2.447	5.0	20.5
2 11	8 48.65	+30 33.0	1.487	2.440	7.7	20.6
2 21	8 38.66	+30 48.1	1.523	2.432	11.6	20.9
3 2	8 31.15	+30 42.0	1.583	2.424	15.4	21.1
3 12	8 26.87	+30 17.6	1.662	2.417	18.6	21.3

171020 2005 ED_{46} 2 1.9 34°.51 3°.4/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.41	+ 6 17.6	1.502	2.336	16.0	20.2
1 12	9 16.25	+ 6 40.1	1.433	2.339	12.0	20.0
1 22	9 8.71	+ 7 23.0	1.387	2.342	7.6	19.7
2 1	8 59.67	+ 8 23.2	1.366	2.344	3.8	19.5
2 11	8 50.42	+ 9 34.1	1.373	2.348	5.0	19.6
2 21	8 42.24	+10 48.2	1.407	2.351	9.3	19.8
3 2	8 36.21	+11 58.1	1.465	2.354	13.5	20.1
3 12	8 33.05	+12 58.5	1.544	2.358	17.2	20.3

229123 2004 RC_{139} 2 1.9 144°.20 3°.5/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.92	+ 5 45.0	2.258	3.066	12.2	20.6
1 12	9 16.61	+ 5 32.6	2.185	3.074	9.3	20.5
1 22	9 8.63	+ 5 32.9	2.137	3.082	6.2	20.3
2 1	8 59.66	+ 5 44.8	2.118	3.089	3.7	20.1
2 11	8 50.60	+ 6 5.8	2.129	3.096	4.3	20.2
2 21	8 42.32	+ 6 32.5	2.169	3.103	7.2	20.4
3 2	8 35.57	+ 7 1.4	2.236	3.109	10.2	20.6
3 12	8 30.89	+ 7 29.1	2.327	3.114	12.9	20.8

204354 2004 SR_{53} 2 1.9 61°.82 0°.4/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 27.46	+13 57.6	1.271	2.127	16.9	20.2
1 12	9 20.45	+14 28.6	1.235	2.157	12.0	20.0
1 22	9 10.82	+15 11.6	1.222	2.188	6.4	19.7
2 1	8 59.85	+15 59.8	1.234	2.219	0.8	19.4
2 11	8 49.17	+16 45.8	1.274	2.250	5.0	19.8
2 21	8 40.21	+17 23.9	1.341	2.281	10.0	20.2
3 2	8 34.01	+17 50.9	1.430	2.312	14.3	20.5
3 12	8 31.04	+18 6.0	1.540	2.342	17.8	20.8

153990 2002 AH_{157} 2 1.9 84°.77 0°.9/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.35	+13 50.6	1.859	2.702	13.0	20.1
1 12	9 17.23	+13 57.7	1.792	2.708	9.3	19.8
1 22	9 9.08	+14 13.5	1.749	2.714	5.2	19.6
2 1	8 59.73	+14 34.7	1.735	2.719	1.1	19.3
2 11	8 50.28	+14 57.3	1.750	2.725	3.9	19.6
2 21	8 41.83	+15 17.6	1.793	2.731	8.1	19.8
3 2	8 35.27	+15 32.8	1.862	2.736	11.8	20.1
3 12	8 31.19	+15 41.3	1.952	2.742	15.0	20.3

277734 2006 DS_{88} 2 1.9 356°.73 1°.9/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.93	+ 9 27.8	1.945	2.778	12.9	21.2
1 12	9 14.82	+ 9 55.0	1.869	2.778	9.5	21.0
1 22	9 7.81	+10 35.8	1.819	2.778	5.6	20.8
2 1	8 59.62	+11 26.9	1.796	2.778	2.1	20.5
2 11	8 51.25	+12 23.3	1.802	2.777	3.8	20.7
2 21	8 43.69	+13 19.6	1.837	2.777	7.7	20.9
3 2	8 37.81	+14 11.2	1.898	2.778	11.4	21.1
3 12	8 34.21	+14 54.7	1.981	2.778	14.5	21.3

495334 2014 LF_{27} 2 1.9 357°.26 0°.2/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 16.31	+ 3 55.6	0.964	1.825	20.6	19.6
1 12	9 13.72	+ 7 13.0	0.895	1.819	15.1	19.3
1 22	9 7.86	+11 24.4	0.848	1.816	8.4	18.9
2 1	8 59.67	+16 12.0	0.828	1.813	0.9	18.4
2 11	8 50.82	+21 4.3	0.837	1.813	6.8	18.8
2 21	8 43.25	+25 29.4	0.872	1.814	13.8	19.2
3 2	8 38.68	+29 6.2	0.931	1.816	19.8	19.5
3 12	8 38.17	+31 48.2	1.008	1.820	24.4	19.9

169152 2001 QA_{163} 2 1.9 141°.91 1°.9/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.95	+ 8 58.9	2.625	3.444	10.4	20.6
1 12	9 14.38	+ 9 12.0	2.552	3.452	7.7	20.5
1 22	9 7.40	+ 9 35.0	2.505	3.460	4.7	20.3
2 1	8 59.60	+10 5.5	2.488	3.467	2.1	20.1
2 11	8 51.72	+10 40.5	2.501	3.474	3.2	20.2
2 21	8 44.48	+11 16.7	2.545	3.481	6.1	20.4
3 2	8 38.52	+11 51.2	2.616	3.488	9.0	20.6
3 12	8 34.29	+12 21.5	2.712	3.494	11.4	20.8

404597 2013 SW_{27} 2 1.9 110°.24 0°.4/ 1.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.85	+17 39.4	2.240	3.082	11.1	20.9
1 12	9 17.27	+17 49.7	2.177	3.094	7.8	20.7
1 22	9 8.99	+18 4.1	2.140	3.106	4.2	20.5
2 1	8 59.74	+18 19.2	2.133	3.118	0.5	20.2
2 11	8 50.49	+18 31.7	2.157	3.130	3.6	20.5
2 21	8 42.14	+18 39.3	2.210	3.141	7.2	20.7
3 2	8 35.45	+18 40.6	2.290	3.152	10.4	21.0
3 12	8 30.92	+18 35.1	2.392	3.163	13.1	21.2

78807 2003 OR_{13} 2 1.9 114°.84 4°.1/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.09	+ 5 17.6	1.942	2.749	14.0	19.6
1 12	9 19.65	+ 4 58.4	1.883	2.770	10.6	19.5
1 22	9 10.29	+ 4 53.9	1.848	2.791	7.1	19.3
2 1	8 59.87	+ 5 3.1	1.841	2.811	4.3	19.2
2 11	8 49.47	+ 5 23.0	1.865	2.831	5.0	19.2
2 21	8 40.13	+ 5 49.7	1.917	2.850	8.1	19.5
3 2	8 32.71	+ 6 19.1	1.996	2.868	11.3	19.7
3 12	8 27.71	+ 6 47.3	2.098	2.885	14.2	19.9

299452 2006 BZ_{51} 2 1.9 33°.36 0°.6/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.57	+17 10.3	1.300	2.164	16.1	21.0
1 12	9 19.50	+17 28.7	1.240	2.168	11.5	20.8
1 22	9 10.57	+17 55.8	1.203	2.172	6.1	20.5
2 1	8 59.90	+18 25.7	1.192	2.177	0.7	20.1
2 11	8 49.11	+18 51.7	1.207	2.182	5.4	20.4
2 21	8 39.79	+19 9.2	1.248	2.187	10.7	20.8
3 2	8 33.18	+19 15.6	1.311	2.193	15.3	21.0
3 12	8 29.95	+19 10.8	1.394	2.199	19.1	21.3

202469 2006 AQ_{30} 2 1.9 120°.04 1°.1/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.85	+17 4.0	1.731	2.579	13.6	21.2
1 12	9 19.79	+18 2.2	1.678	2.598	9.5	21.0
1 22	9 10.48	+19 7.9	1.649	2.616	5.0	20.8
2 1	8 59.89	+20 14.0	1.650	2.634	1.1	20.6
2 11	8 49.28	+21 13.6	1.680	2.651	4.8	20.9
2 21	8 39.88	+22 1.6	1.739	2.667	9.1	21.1
3 2	8 32.65	+22 35.6	1.823	2.683	12.8	21.4
3 12	8 28.20	+22 55.4	1.929	2.697	15.9	21.6

519358 2011 KK_{49} 2 1.9 165.°22 4.°0/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 23.03	+28 45.0	2.451	3.302	9.9	21.4
1 12	9 16.80	+29 39.2	2.388	3.305	7.3	21.2
1 22	9 8.80	+30 30.5	2.352	3.307	4.8	21.1
2 1	8 59.75	+31 13.2	2.345	3.310	4.1	21.0
2 11	8 50.59	+31 43.0	2.368	3.312	5.9	21.1
2 21	8 42.25	+31 57.5	2.419	3.314	8.5	21.3
3 2	8 35.54	+31 56.8	2.496	3.315	11.1	21.5
3 12	8 31.00	+31 42.5	2.595	3.316	13.4	21.6

138633 2000 RD_{15} 2 1.9 198.°76 6.°2/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 17.67	− 7 46.6	2.759	3.493	12.1	20.2
1 12	9 12.80	− 7 42.1	2.669	3.491	10.1	20.1
1 22	9 6.60	− 7 18.2	2.603	3.489	8.2	20.0
2 1	8 59.56	− 6 34.7	2.563	3.486	6.6	19.9
2 11	8 52.36	− 5 33.7	2.552	3.483	6.2	19.8
2 21	8 45.68	− 4 19.2	2.569	3.480	7.4	19.9
3 2	8 40.14	− 2 56.2	2.614	3.477	9.3	20.0
3 12	8 36.21	− 1 30.4	2.684	3.473	11.4	20.1

502109 2015 AP_{280} 2 1.9 111.°46 1.°5/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.47	+21 7.8	2.151	3.000	11.2	21.1
1 12	9 17.18	+21 23.7	2.080	3.001	7.9	20.9
1 22	9 9.03	+21 41.5	2.035	3.001	4.3	20.7
2 1	8 59.77	+21 57.1	2.019	3.002	1.5	20.5
2 11	8 50.42	+22 6.8	2.033	3.002	4.3	20.7
2 21	8 41.97	+22 8.2	2.076	3.003	7.9	20.9
3 2	8 35.25	+22 0.6	2.145	3.003	11.2	21.1
3 12	8 30.82	+21 44.3	2.237	3.004	14.0	21.3

311584 2006 HY_{65} 2 1.9 186.°50 2.°1/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.53	+20 34.7	1.859	2.711	12.6	21.5
1 12	9 18.96	+21 24.6	1.788	2.711	8.9	21.2
1 22	9 10.12	+22 18.9	1.743	2.710	4.8	21.0
2 1	8 59.87	+23 11.2	1.727	2.709	2.1	20.8
2 11	8 49.42	+23 55.2	1.741	2.708	5.2	21.0
2 21	8 39.97	+24 26.7	1.783	2.706	9.3	21.2
3 2	8 32.55	+24 44.0	1.850	2.703	12.9	21.5
3 12	8 27.83	+24 47.5	1.938	2.700	16.0	21.7

114394 2002 YN_{8} 2 1.9 115.°81 0.°0/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.51	+14 56.1	2.041	2.880	12.1	20.1
1 12	9 17.85	+15 30.4	1.983	2.899	8.6	19.9
1 22	9 9.34	+16 12.3	1.952	2.917	4.6	19.7
2 1	8 59.80	+16 57.3	1.950	2.935	0.4	19.4
2 11	8 50.25	+17 40.3	1.978	2.952	3.8	19.7
2 21	8 41.68	+18 17.5	2.036	2.969	7.6	20.0
3 2	8 34.91	+18 46.2	2.120	2.985	11.1	20.2
3 12	8 30.47	+19 5.4	2.227	3.000	13.9	20.4

143180 2002 XE_{75} 2 1.9 29.°62 0.°4/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.66	+15 23.1	1.456	2.313	15.1	19.5
1 12	9 17.86	+15 31.5	1.396	2.320	10.8	19.2
1 22	9 9.58	+15 49.4	1.360	2.327	5.9	19.0
2 1	8 59.83	+16 12.2	1.349	2.334	0.7	18.6
2 11	8 50.00	+16 34.6	1.366	2.342	4.7	18.9
2 21	8 41.46	+16 52.3	1.410	2.351	9.6	19.2
3 2	8 35.29	+17 2.5	1.477	2.360	13.9	19.5
3 12	8 32.12	+17 3.9	1.564	2.369	17.4	19.8

238475 2004 RT_{86} 2 1.9 68.°72 0.°7/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.34	+14 42.7	1.375	2.234	15.7	20.0
1 12	9 17.80	+15 52.0	1.319	2.244	11.1	19.7
1 22	9 9.61	+17 15.0	1.286	2.255	5.9	19.5
2 1	8 59.83	+18 43.2	1.280	2.265	0.8	19.1
2 11	8 49.91	+20 6.6	1.301	2.275	5.3	19.5
2 21	8 41.30	+21 17.4	1.349	2.286	10.4	19.8
3 2	8 35.17	+22 10.9	1.421	2.296	14.8	20.1
3 12	8 32.19	+22 46.1	1.512	2.307	18.4	20.4

429045 2009 DP_{1} 2 1.9 24.°49 5.°3/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 17.83	+ 0 22.7	1.834	2.639	14.7	20.7
1 12	9 13.36	+ 0 30.8	1.766	2.646	11.6	20.6
1 22	9 7.04	+ 1 0.5	1.720	2.654	8.3	20.4
2 1	8 59.61	+ 1 50.2	1.701	2.663	5.7	20.2
2 11	8 52.06	+ 2 55.7	1.708	2.672	5.7	20.3
2 21	8 45.36	+ 4 10.7	1.743	2.682	8.3	20.4
3 2	8 40.35	+ 5 28.4	1.804	2.692	11.5	20.6
3 12	8 37.60	+ 6 42.3	1.888	2.702	14.5	20.9

124681 2001 ST_{112} 2 1.9 332.°79 4.°7/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.66	+ 5 14.6	1.386	2.220	17.1	18.6
1 12	9 17.37	+ 5 9.3	1.314	2.217	13.1	18.4
1 22	9 9.45	+ 5 25.5	1.264	2.215	8.7	18.1
2 1	8 59.83	+ 6 1.8	1.238	2.212	5.1	17.9
2 11	8 49.90	+ 6 53.4	1.238	2.210	5.9	18.0
2 21	8 41.09	+ 7 53.1	1.264	2.208	10.1	18.2
3 2	8 34.63	+ 8 53.5	1.314	2.206	14.6	18.4
3 12	8 31.28	+ 9 48.3	1.384	2.204	18.5	18.7

498356 2007 VV_{311} 2 1.9 102.°54 4.°3/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 22.05	+29 9.6	2.403	3.256	10.0	21.4
1 12	9 16.13	+30 17.0	2.349	3.267	7.3	21.3
1 22	9 8.44	+31 21.0	2.323	3.277	5.0	21.1
2 1	8 59.74	+32 15.7	2.326	3.288	4.4	21.1
2 11	8 50.96	+32 56.2	2.359	3.299	6.2	21.2
2 21	8 43.03	+33 20.1	2.420	3.309	8.8	21.4
3 2	8 36.74	+33 27.5	2.505	3.319	11.3	21.6
3 12	8 32.62	+33 20.1	2.612	3.329	13.4	21.8

189287 2005 TR_{172} 2 1.9 133.°35 0.°6/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.67	+14 18.8	1.688	2.528	14.2	20.6
1 12	9 21.10	+14 32.8	1.628	2.542	10.2	20.3
1 22	9 11.21	+14 55.8	1.592	2.556	5.6	20.1
2 1	8 59.98	+15 23.5	1.584	2.569	0.9	19.8
2 11	8 48.73	+15 51.0	1.606	2.581	4.3	20.1
2 21	8 38.73	+16 14.1	1.657	2.593	8.8	20.4
3 2	8 30.99	+16 30.3	1.733	2.603	12.8	20.6
3 12	8 26.10	+16 38.5	1.831	2.613	16.1	20.9

185386 2006 WA_{13} 2 1.9 126.°42 2.°5/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.95	+ 8 14.2	1.959	2.783	13.2	21.5
1 12	9 16.86	+ 8 29.9	1.892	2.794	9.8	21.3
1 22	9 8.88	+ 8 59.3	1.849	2.804	6.0	21.0
2 1	8 59.78	+ 9 39.5	1.835	2.814	2.7	20.9
2 11	8 50.59	+10 26.1	1.851	2.824	4.0	21.0
2 21	8 42.30	+11 14.0	1.895	2.834	7.7	21.2
3 2	8 35.78	+11 59.0	1.966	2.842	11.2	21.4
3 12	8 31.58	+12 37.7	2.059	2.851	14.2	21.6

375034 2007 HH_{40} 2 1.9 187.°78 0.°6/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.82	+17 13.3	2.611	3.449	9.8	22.1
1 12	9 15.81	+17 49.3	2.532	3.449	6.9	21.9
1 22	9 8.24	+18 30.3	2.481	3.447	3.7	21.7
2 1	8 59.73	+19 12.6	2.461	3.445	0.6	21.5
2 11	8 51.06	+19 52.2	2.471	3.443	3.4	21.7
2 21	8 43.04	+20 25.9	2.513	3.440	6.7	21.9
3 2	8 36.37	+20 51.7	2.581	3.437	9.6	22.1
3 12	8 31.58	+21 8.5	2.674	3.432	12.2	22.2

290320 2005 SK_{205} 2 1.9 204.°27 5.°3/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 17.54	− 6 8.9	3.202	3.939	10.5	21.5
1 12	9 12.58	− 6 12.9	3.108	3.934	8.8	21.3
1 22	9 6.44	− 6 1.3	3.039	3.929	7.0	21.2
2 1	8 59.57	− 5 34.0	2.997	3.923	5.6	21.1
2 11	8 52.56	− 4 52.4	2.984	3.917	5.4	21.1
2 21	8 45.97	− 3 59.5	3.000	3.910	6.5	21.1
3 2	8 40.36	− 2 58.9	3.045	3.903	8.3	21.2
3 12	8 36.14	− 1 55.0	3.115	3.895	10.1	21.4

193770 2001 NK 2 1.9 230.°07 2.°5/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.46	+ 9 25.4	1.659	2.492	14.8	21.0
1 12	9 19.15	+ 9 34.1	1.575	2.482	11.0	20.7
1 22	9 10.36	+ 9 57.9	1.514	2.472	6.7	20.5
2 1	8 59.93	+10 33.9	1.481	2.462	2.8	20.2
2 11	8 49.12	+11 17.4	1.476	2.451	4.7	20.3
2 21	8 39.22	+12 2.7	1.499	2.439	9.2	20.5
3 2	8 31.43	+12 44.8	1.548	2.427	13.6	20.8
3 12	8 26.50	+13 19.8	1.617	2.414	17.3	21.0

253101 2002 TO_{354} 2 1.9 240.°87 3.°6/ 4.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.73	+ 5 32.9	1.944	2.760	13.6	22.0
1 12	9 16.94	+ 5 38.3	1.854	2.747	10.4	21.8
1 22	9 9.06	+ 5 59.9	1.787	2.734	6.9	21.6
2 1	8 59.82	+ 6 36.3	1.747	2.721	3.9	21.3
2 11	8 50.22	+ 7 23.7	1.737	2.707	4.7	21.4
2 21	8 41.33	+ 8 17.2	1.755	2.693	8.3	21.5
3 2	8 34.15	+ 9 11.4	1.800	2.678	12.0	21.7
3 12	8 29.37	+10 1.6	1.867	2.663	15.3	21.9

225044 2007 GT_{14} 2 1.9 12.°68 4.°5/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.24	+26 54.0	1.643	2.508	13.2	20.2
1 12	9 18.28	+27 43.8	1.584	2.509	9.6	20.0
1 22	9 9.82	+28 31.6	1.549	2.511	6.0	19.8
2 1	8 59.88	+29 9.7	1.541	2.513	4.6	19.7
2 11	8 49.83	+29 31.9	1.560	2.516	7.1	19.9
2 21	8 41.03	+29 35.4	1.606	2.519	10.8	20.1
3 2	8 34.57	+29 20.6	1.675	2.522	14.4	20.3
3 12	8 31.10	+28 50.5	1.763	2.526	17.4	20.6

382263 2012 TM_{119} 2 1.9 137.°97 2.°3/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.62	+23 53.3	2.489	3.338	9.9	21.0
1 12	9 16.40	+24 20.0	2.422	3.342	7.0	20.9
1 22	9 8.55	+24 46.6	2.383	3.347	4.0	20.7
2 1	8 59.77	+25 8.8	2.373	3.352	2.3	20.6
2 11	8 50.93	+25 23.1	2.394	3.356	4.4	20.7
2 21	8 42.90	+25 27.7	2.443	3.360	7.4	20.9
3 2	8 36.39	+25 22.0	2.520	3.364	10.2	21.1
3 12	8 31.91	+25 6.7	2.619	3.368	12.6	21.3

254703 2005 MA_{55} 2 1.9 172.°65 1.°4/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 22.55	+10 51.4	2.043	2.875	12.4	21.4
1 12	9 16.62	+11 17.9	1.968	2.877	9.1	21.2
1 22	9 8.79	+11 56.1	1.919	2.879	5.2	20.9
2 1	8 59.80	+12 42.4	1.898	2.880	1.6	20.7
2 11	8 50.64	+13 32.1	1.906	2.881	3.7	20.8
2 21	8 42.29	+14 20.5	1.944	2.882	7.6	21.1
3 2	8 35.63	+15 3.6	2.009	2.882	11.2	21.3
3 12	8 31.24	+15 38.6	2.097	2.882	14.2	21.5

153070 2000 QX_{206} 2 1.9 68.°46 3.°6/31.0 18

1 2	9 28.35	+25 36.8	1.732	2.587	13.1	19.2
1 12	9 20.71	+26 13.2	1.695	2.617	9.3	19.1
1 22	9 10.89	+26 47.0	1.683	2.646	5.5	18.9
2 1	8 59.97	+27 11.5	1.700	2.676	3.6	18.8
2 11	8 49.32	+27 22.5	1.745	2.705	6.1	19.0
2 21	8 40.13	+27 18.4	1.818	2.734	9.6	19.3
3 2	8 33.30	+27 0.4	1.916	2.763	12.9	19.6
3 12	8 29.28	+26 31.0	2.035	2.791	15.6	19.8

163087 2002 AN_{74} 2 1.9 323.°08 1.°4/ 1.3 18

1 2	9 23.78	+18 33.3	1.271	2.140	16.0	20.0
1 12	9 18.56	+18 58.6	1.197	2.128	11.4	19.7
1 22	9 10.28	+19 32.4	1.146	2.115	6.2	19.4
2 1	8 59.96	+20 8.1	1.119	2.104	1.4	19.1
2 11	8 49.22	+20 38.2	1.119	2.093	5.9	19.3
2 21	8 39.75	+20 57.2	1.143	2.083	11.5	19.6
3 2	8 33.02	+21 2.4	1.190	2.073	16.4	19.8
3 12	8 29.85	+20 53.6	1.254	2.064	20.6	20.1

456394 2006 UG_{170} 2 1.9 5.°56 1.°4/ 1.1 18

1 2	9 22.45	+18 1.1	1.529	2.391	14.2	21.2
1 12	9 17.09	+18 48.3	1.464	2.391	10.1	21.0
1 22	9 9.24	+19 43.9	1.422	2.391	5.4	20.7
2 1	8 59.86	+20 41.1	1.407	2.392	1.4	20.4
2 11	8 50.26	+21 32.4	1.420	2.392	5.3	20.7
2 21	8 41.81	+22 12.3	1.460	2.394	10.0	21.0
3 2	8 35.63	+22 37.7	1.523	2.395	14.2	21.2
3 12	8 32.40	+22 48.4	1.607	2.397	17.6	21.5

13762 1998 SG_{130} 2 1.9 98.°23 5.°3/30.3 18

1 2	9 32.37	+28 19.3	1.506	2.364	14.7	17.4
1 12	9 23.96	+29 14.3	1.466	2.386	10.6	17.2
1 22	9 12.78	+30 3.7	1.450	2.409	6.8	17.0
2 1	9 0.15	+30 38.5	1.461	2.431	5.4	17.0
2 11	8 47.75	+30 52.7	1.501	2.452	7.8	17.2
2 21	8 37.13	+30 45.3	1.566	2.473	11.5	17.4
3 2	8 29.38	+30 18.9	1.656	2.493	15.0	17.7
3 12	8 25.02	+29 38.1	1.764	2.512	17.9	18.0

197549 2004 FW_{36} 2 1.9 204.°31 2.°9/31.2 18

1 2	9 27.77	+22 14.3	1.746	2.600	13.2	20.9
1 12	9 20.76	+23 9.1	1.673	2.595	9.4	20.6
1 22	9 11.22	+24 7.4	1.624	2.590	5.3	20.4
2 1	9 0.04	+25 1.7	1.605	2.584	2.9	20.2
2 11	8 48.56	+25 44.9	1.614	2.578	6.0	20.4
2 21	8 38.16	+26 12.7	1.652	2.571	10.2	20.6
3 2	8 30.00	+26 23.7	1.714	2.563	14.0	20.8
3 12	8 24.83	+26 19.4	1.797	2.554	17.3	21.0

275598 1999 VH_{137} 2 1.9 172.°04 3.°8/ 4.0 18

1 2	9 26.17	+ 6 30.9	1.620	2.443	15.5	20.8
1 12	9 19.55	+ 6 29.3	1.547	2.446	11.8	20.6
1 22	9 10.52	+ 6 45.1	1.498	2.449	7.6	20.4
2 1	8 59.97	+ 7 16.4	1.475	2.451	4.1	20.2
2 11	8 49.20	+ 7 58.6	1.480	2.452	5.2	20.2
2 21	8 39.50	+ 8 46.1	1.514	2.453	9.2	20.5
3 2	8 31.97	+ 9 33.3	1.572	2.453	13.3	20.7
3 12	8 27.30	+10 15.4	1.652	2.452	16.8	20.9

419723 2010 VE_{25} 2 1.9 106.°88 1.°7/31.8 18

1 2	9 24.82	+19 42.9	1.895	2.746	12.4	21.7
1 12	9 18.26	+20 27.1	1.840	2.762	8.7	21.5
1 22	9 9.65	+21 15.4	1.810	2.777	4.7	21.3
2 1	8 59.89	+22 2.0	1.809	2.792	1.7	21.1
2 11	8 50.11	+22 41.2	1.838	2.807	4.7	21.4
2 21	8 41.41	+23 9.5	1.895	2.821	8.6	21.6
3 2	8 34.70	+23 25.3	1.978	2.835	12.1	21.9
3 12	8 30.51	+23 29.0	2.082	2.848	14.9	22.1

492624 2014 ON_{277} 2 1.9 257.°93 1.°4/ 1.1 18

1 2	9 24.13	+17 37.1	1.581	2.438	14.1	21.6
1 12	9 18.37	+18 28.9	1.504	2.429	10.0	21.4
1 22	9 10.01	+19 30.3	1.451	2.419	5.4	21.1
2 1	8 59.94	+20 34.4	1.425	2.409	1.4	20.8
2 11	8 49.48	+21 33.5	1.428	2.399	5.3	21.0
2 21	8 40.04	+22 21.3	1.457	2.389	10.2	21.3
3 2	8 32.84	+22 54.2	1.511	2.379	14.5	21.5
3 12	8 28.67	+23 11.5	1.585	2.368	18.1	21.7

341337 2007 TY_{37} 2 1.9 179.°82 3.°8/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 23.62	+28 6.0	2.346	3.198	10.3	20.9
1 12	9 17.28	+28 48.2	2.280	3.198	7.5	20.8
1 22	9 9.11	+29 27.4	2.240	3.198	4.8	20.6
2 1	8 59.85	+29 58.5	2.230	3.198	3.9	20.5
2 11	8 50.49	+30 17.1	2.249	3.198	5.8	20.6
2 21	8 42.00	+30 21.3	2.297	3.198	8.6	20.8
3 2	8 35.20	+30 11.2	2.370	3.198	11.4	21.0
3 12	8 30.66	+29 48.5	2.464	3.197	13.7	21.2

340836 2006 VO_{13} 2 1.9 148.°12 3.°2/30.9 18

1 2	9 30.80	+23 25.9	1.878	2.724	12.7	21.6
1 12	9 22.59	+24 26.0	1.821	2.740	9.0	21.4
1 22	9 12.03	+25 26.8	1.790	2.754	5.2	21.2
2 1	9 0.11	+26 20.8	1.789	2.766	3.2	21.1
2 11	8 48.14	+27 1.7	1.819	2.778	5.9	21.3
2 21	8 37.40	+27 26.2	1.877	2.788	9.6	21.5
3 2	8 28.93	+27 34.1	1.961	2.798	13.0	21.8
3 12	8 23.32	+27 27.6	2.066	2.805	15.8	22.0

110325 2001 SZ_{285} 2 1.9 181.°85 6.°0/27.2 18

1 2	9 27.64	+36 29.7	2.691	3.525	9.7	20.0
1 12	9 20.16	+37 48.9	2.631	3.527	7.6	19.9
1 22	9 10.69	+39 0.1	2.599	3.527	6.2	19.8
2 1	9 0.00	+39 56.9	2.597	3.527	6.2	19.8
2 11	8 49.10	+40 34.3	2.625	3.526	7.6	19.9
2 21	8 39.05	+40 50.9	2.680	3.524	9.6	20.0
3 2	8 30.74	+40 47.5	2.760	3.521	11.7	20.2
3 12	8 24.78	+40 27.5	2.860	3.518	13.5	20.3

431519 2007 TE_{199} 2 1.9 63.°84 2.°2/ 3.6 18

1 2	9 20.45	+ 8 56.0	2.104	2.931	12.3	21.1
1 12	9 14.97	+ 9 6.2	2.042	2.946	9.0	20.9
1 22	9 7.83	+ 9 28.2	2.006	2.962	5.5	20.7
2 1	8 59.74	+ 9 59.5	1.998	2.977	2.5	20.5
2 11	8 51.63	+10 36.3	2.019	2.993	3.7	20.7
2 21	8 44.36	+11 14.5	2.069	3.009	7.1	20.9
3 2	8 38.68	+11 50.3	2.146	3.025	10.3	21.1
3 12	8 35.08	+12 20.9	2.246	3.040	13.1	21.3

229227 2004 XE_{18} 2 1.9 318.°28 5.°9/28.2 18

1 2	9 22.76	+30 15.1	1.885	2.746	12.0	19.4
1 12	9 17.21	+31 46.4	1.822	2.742	9.0	19.2
1 22	9 9.30	+33 14.8	1.785	2.737	6.5	19.0
2 1	8 59.88	+34 31.0	1.777	2.733	6.1	19.0
2 11	8 50.19	+35 27.6	1.796	2.730	8.3	19.1
2 21	8 41.50	+36 0.8	1.841	2.726	11.3	19.3
3 2	8 34.90	+36 10.8	1.909	2.722	14.3	19.5
3 12	8 31.09	+36 0.2	1.996	2.719	16.8	19.7

73013 2002 EZ_{45} 2 1.9 187.°78 2.°9/ 3.9 18

1 2	9 23.42	+ 7 1.7	1.842	2.665	14.0	20.8
1 12	9 17.43	+ 7 20.6	1.764	2.664	10.5	20.5
1 22	9 9.32	+ 7 55.9	1.711	2.664	6.6	20.3
2 1	8 59.89	+ 8 44.6	1.685	2.663	3.2	20.1
2 11	8 50.21	+ 9 41.9	1.688	2.661	4.4	20.2
2 21	8 41.40	+10 42.0	1.719	2.659	8.3	20.4
3 2	8 34.44	+11 39.4	1.777	2.656	12.1	20.6
3 12	8 29.99	+12 29.8	1.858	2.653	15.4	20.8

188208 2002 SM_{24} 2 1.9 193.°54 1.°0/ 2.6 18

1 2	9 26.38	+12 2.3	1.816	2.650	13.6	21.7
1 12	9 19.61	+12 35.9	1.737	2.648	9.9	21.5
1 22	9 10.54	+13 22.0	1.683	2.645	5.6	21.2
2 1	9 0.01	+14 16.1	1.658	2.642	1.2	20.9
2 11	8 49.18	+15 12.3	1.662	2.637	4.2	21.1
2 21	8 39.28	+16 5.0	1.696	2.632	8.7	21.3
3 2	8 31.36	+16 49.7	1.756	2.625	12.7	21.6
3 12	8 26.15	+17 24.1	1.838	2.618	16.1	21.8

35439 1998 BK_{25} 2 1.9 137.°76 2.°7/31.2 18

1 2	9 25.94	+21 21.2	1.783	2.637	12.9	18.2
1 12	9 19.27	+22 24.8	1.724	2.647	9.1	18.0
1 22	9 10.32	+23 32.0	1.691	2.657	5.0	17.8
2 1	8 59.99	+24 35.5	1.686	2.666	2.7	17.6
2 11	8 49.55	+25 28.2	1.710	2.674	5.6	17.9
2 21	8 40.23	+26 5.9	1.763	2.682	9.6	18.1
3 2	8 33.06	+26 27.2	1.841	2.690	13.2	18.3
3 12	8 28.66	+26 32.9	1.939	2.697	16.1	18.6

330841 2009 OE_{8} 2 1.9 155.°54 2.°9/ 4.6 18

1 2	9 21.49	+ 4 26.4	2.462	3.262	11.6	22.0
1 12	9 15.59	+ 4 59.6	2.385	3.271	8.8	21.9
1 22	9 8.16	+ 5 47.3	2.335	3.280	5.7	21.7
2 1	8 59.80	+ 6 46.9	2.314	3.288	3.2	21.5
2 11	8 51.32	+ 7 54.3	2.324	3.295	3.7	21.6
2 21	8 43.51	+ 9 4.6	2.365	3.301	6.6	21.8
3 2	8 37.06	+10 13.1	2.435	3.307	9.5	22.0
3 12	8 32.49	+11 15.8	2.529	3.312	12.1	22.1

109712 Giger 2 1.9 46°.27 4°.9/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 20.65	+ 1 5.6	1.419	2.239	17.5	19.3
1 12	9 15.62	+ 1 46.0	1.373	2.265	13.5	19.1
1 22	9 8.34	+ 2 53.0	1.347	2.291	9.1	19.0
2 1	8 59.83	+ 4 22.3	1.347	2.318	5.5	18.8
2 11	8 51.38	+ 6 5.2	1.374	2.345	5.7	18.9
2 21	8 44.17	+ 7 51.7	1.428	2.372	9.1	19.2
3 2	8 39.16	+ 9 32.7	1.507	2.400	13.0	19.5
3 12	8 36.90	+11 1.4	1.607	2.428	16.3	19.7

54393 2000 KX_{72} 2 1.9 216°.22 0°.9/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.82	+15 42.3	1.946	2.794	12.3	19.4
1 12	9 16.34	+16 55.5	1.870	2.790	8.7	19.2
1 22	9 8.79	+18 19.2	1.819	2.786	4.6	18.9
2 1	8 59.90	+19 47.0	1.797	2.782	0.9	18.6
2 11	8 50.72	+21 11.4	1.806	2.777	4.4	18.9
2 21	8 42.33	+22 26.0	1.843	2.772	8.6	19.1
3 2	8 35.70	+23 26.4	1.907	2.767	12.3	19.3
3 12	8 31.51	+24 11.2	1.992	2.762	15.4	19.6

452325 2000 SC_{129} 2 1.9 74°.27 0°.3/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.43	+14 26.6	1.424	2.276	15.6	21.0
1 12	9 19.75	+14 55.3	1.377	2.298	11.1	20.8
1 22	9 10.59	+15 34.9	1.353	2.320	6.0	20.6
2 1	9 0.05	+16 19.4	1.356	2.341	0.7	20.2
2 11	8 49.61	+17 2.2	1.387	2.363	4.7	20.6
2 21	8 40.63	+17 37.9	1.445	2.384	9.6	20.9
3 2	8 34.15	+18 3.5	1.527	2.405	13.8	21.2
3 12	8 30.72	+18 17.7	1.629	2.426	17.2	21.5

448243 2008 WR_{51} 2 1.9 89°.66 0°.1/ 1.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.40	+15 32.1	1.492	2.341	15.2	22.2
1 12	9 21.04	+16 0.2	1.445	2.365	10.8	21.9
1 22	9 11.24	+16 37.3	1.423	2.389	5.8	21.7
2 1	9 0.12	+17 17.4	1.428	2.413	0.5	21.4
2 11	8 49.13	+17 54.3	1.461	2.436	4.7	21.8
2 21	8 39.62	+18 23.3	1.522	2.458	9.4	22.1
3 2	8 32.60	+18 42.2	1.608	2.480	13.5	22.4
3 12	8 28.62	+18 50.4	1.714	2.502	16.8	22.7

343118 2009 DX_{136} 2 1.9 348°.67 13°.3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 16.65	−21 35.1	1.971	2.632	18.4	20.0
1 12	9 12.71	−22 31.4	1.891	2.625	16.9	19.9
1 22	9 6.86	−22 55.4	1.827	2.619	15.3	19.7
2 1	8 59.74	−22 42.6	1.781	2.613	14.1	19.6
2 11	8 52.33	−21 51.7	1.757	2.608	13.4	19.6
2 21	8 45.64	−20 26.1	1.754	2.604	13.6	19.6
3 2	8 40.59	−18 33.1	1.774	2.601	14.6	19.6
3 12	8 37.84	−16 22.9	1.814	2.598	16.2	19.7

489606 2007 TP_{195} 2 1.9 197°.36 2°.0/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.16	+20 34.6	1.843	2.694	12.7	22.2
1 12	9 19.48	+21 16.0	1.770	2.692	9.0	22.0
1 22	9 10.49	+22 1.7	1.723	2.690	4.9	21.7
2 1	9 0.07	+22 45.4	1.704	2.687	2.0	21.5
2 11	8 49.42	+23 21.2	1.715	2.683	5.1	21.7
2 21	8 39.78	+23 45.3	1.754	2.679	9.3	22.0
3 2	8 32.20	+23 56.0	1.819	2.674	13.0	22.2
3 12	8 27.36	+23 53.8	1.904	2.669	16.2	22.4

968 Petunia 2 1.9 351°.42 7°.1/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.53	− 2 11.6	1.695	2.491	16.1	14.0
1 12	9 14.12	− 2 31.8	1.617	2.487	13.1	13.8
1 22	9 7.63	− 2 28.0	1.561	2.483	10.0	13.6
2 1	8 59.81	− 1 59.3	1.529	2.480	7.6	13.4
2 11	8 51.74	− 1 8.5	1.523	2.478	7.4	13.4
2 21	8 44.50	− 0 1.2	1.543	2.476	9.7	13.6
3 2	8 39.08	+ 1 15.0	1.588	2.475	12.8	13.7
3 12	8 36.16	+ 2 32.3	1.654	2.474	16.0	13.9

50566 2000 EL_{38} 2 1.9 218°.63 3°.4/ 4.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.26	+ 4 27.3	2.268	3.077	12.2	18.3
1 12	9 14.20	+ 4 42.3	2.186	3.075	9.3	18.2
1 22	9 7.50	+ 5 12.4	2.129	3.073	6.2	18.0
2 1	8 59.80	+ 5 55.9	2.099	3.071	3.7	17.8
2 11	8 51.91	+ 6 49.1	2.099	3.069	4.2	17.8
2 21	8 44.67	+ 7 47.5	2.128	3.066	7.0	18.0
3 2	8 38.84	+ 8 46.2	2.185	3.064	10.2	18.2
3 12	8 34.97	+ 9 40.9	2.265	3.061	13.0	18.4

79618 1998 RY_{61} 2 1.9 179°.89 0°.4/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.43	+16 24.3	1.793	2.637	13.4	19.9
1 12	9 20.36	+16 54.7	1.721	2.639	9.5	19.7
1 22	9 10.96	+17 32.7	1.674	2.640	5.1	19.5
2 1	9 0.12	+18 13.4	1.655	2.640	0.5	19.1
2 11	8 49.08	+18 51.0	1.667	2.640	4.4	19.4
2 21	8 39.08	+19 21.1	1.707	2.639	8.9	19.7
3 2	8 31.18	+19 41.2	1.773	2.637	12.9	19.9
3 12	8 26.06	+19 50.7	1.860	2.634	16.2	20.1

327983 2007 GD_{12} 2 1.9 229°.76 3°.4/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 20.03	+ 3 42.0	2.135	2.942	12.9	20.9
1 12	9 14.88	+ 4 14.3	2.047	2.936	9.9	20.7
1 22	9 7.94	+ 5 4.5	1.985	2.929	6.6	20.5
2 1	8 59.85	+ 6 10.4	1.950	2.922	3.8	20.3
2 11	8 51.50	+ 7 27.1	1.945	2.915	4.3	20.3
2 21	8 43.81	+ 8 48.8	1.969	2.908	7.4	20.5
3 2	8 37.61	+10 9.3	2.021	2.900	10.8	20.7
3 12	8 33.51	+11 23.6	2.096	2.892	13.9	20.9

195692 2002 PJ_{11} 2 1.9 96°.22 1°.1/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.36	+11 31.4	2.269	3.099	11.4	20.9
1 12	9 15.54	+11 56.8	2.209	3.118	8.2	20.8
1 22	9 8.15	+12 31.6	2.175	3.136	4.7	20.6
2 1	8 59.86	+13 12.5	2.170	3.153	1.4	20.4
2 11	8 51.55	+13 55.3	2.196	3.171	3.3	20.5
2 21	8 44.05	+14 36.2	2.251	3.188	6.8	20.8
3 2	8 38.07	+15 12.1	2.333	3.205	9.9	21.0
3 12	8 34.09	+15 40.8	2.439	3.221	12.5	21.2

395307 2011 OZ 2 1.9 234°.16 2°.8/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.93	+ 8 50.7	1.674	2.503	14.8	21.9
1 12	9 19.54	+ 8 55.0	1.587	2.492	11.1	21.7
1 22	9 10.66	+ 9 14.5	1.523	2.480	6.8	21.4
2 1	9 0.11	+ 9 46.9	1.487	2.467	3.1	21.1
2 11	8 49.13	+10 27.7	1.479	2.453	4.8	21.2
2 21	8 39.03	+11 11.5	1.500	2.439	9.2	21.4
3 2	8 31.01	+11 53.1	1.546	2.425	13.6	21.7
3 12	8 25.86	+12 28.7	1.613	2.409	17.3	21.9

321361 2009 MX_{7} 2 1.9 202°.97 4°.7/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.21	+ 0 54.0	2.252	3.040	12.9	21.3
1 12	9 16.32	+ 0 53.8	2.164	3.035	10.2	21.1
1 22	9 8.68	+ 1 10.7	2.100	3.030	7.3	21.0
2 1	8 59.92	+ 1 44.1	2.064	3.024	5.1	20.8
2 11	8 50.92	+ 2 31.3	2.057	3.018	5.2	20.8
2 21	8 42.57	+ 3 27.8	2.080	3.011	7.6	20.9
3 2	8 35.68	+ 4 28.6	2.130	3.003	10.6	21.1
3 12	8 30.86	+ 5 28.5	2.204	2.995	13.4	21.3

28277 Chengherngyi 2 1.9 103°.32 4°.6/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.46	+26 14.9	1.509	2.369	14.5	18.1
1 12	9 22.05	+27 8.9	1.459	2.383	10.4	17.9
1 22	9 11.90	+28 0.6	1.434	2.396	6.3	17.7
2 1	9 0.20	+28 41.3	1.436	2.409	4.6	17.6
2 11	8 48.54	+29 4.4	1.465	2.422	7.3	17.8
2 21	8 38.44	+29 7.4	1.521	2.435	11.3	18.0
3 2	8 31.04	+28 51.7	1.601	2.447	15.0	18.3
3 12	8 26.95	+28 20.7	1.699	2.459	18.0	18.5

162600 2000 SV_{71} 2 1.9 98°.26 4°.1/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.59	+25 21.0	1.553	2.413	14.1	19.8
1 12	9 21.36	+26 10.9	1.502	2.426	10.1	19.6
1 22	9 11.51	+26 59.5	1.476	2.440	6.0	19.4
2 1	9 0.17	+27 38.7	1.478	2.453	4.1	19.3
2 11	8 48.87	+28 2.0	1.507	2.466	6.9	19.5
2 21	8 39.05	+28 7.0	1.563	2.479	10.8	19.7
3 2	8 31.82	+27 54.5	1.643	2.492	14.5	20.0
3 12	8 27.76	+27 27.5	1.742	2.504	17.6	20.2

470102 2006 TO_{53} 2 1.9 207°.27 6°.5/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.28	− 8 7.6	2.834	3.564	11.9	21.7
1 12	9 13.27	− 8 27.4	2.745	3.560	10.1	21.6
1 22	9 6.93	− 8 29.4	2.679	3.556	8.3	21.5
2 1	8 59.77	− 8 12.5	2.639	3.553	6.9	21.4
2 11	8 52.43	− 7 38.1	2.626	3.548	6.6	21.3
2 21	8 45.59	− 6 48.9	2.642	3.544	7.6	21.4
3 2	8 39.85	− 5 49.2	2.685	3.539	9.4	21.5
3 12	8 35.71	− 4 44.1	2.752	3.534	11.3	21.6

105101 2000 LL_{9} 2 1.9 173°.92 5°.1/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.54	− 3 28.6	3.038	3.790	10.7	20.2
1 12	9 14.04	− 3 45.7	2.953	3.793	8.8	20.0
1 22	9 7.29	− 3 48.4	2.893	3.795	6.8	19.9
2 1	8 59.80	− 3 36.6	2.861	3.797	5.3	19.8
2 11	8 52.19	− 3 11.5	2.859	3.798	5.2	19.8
2 21	8 45.07	− 2 35.7	2.886	3.799	6.5	19.9
3 2	8 39.01	− 1 52.8	2.941	3.800	8.5	20.0
3 12	8 34.45	− 1 6.7	3.020	3.800	10.4	20.2

178894 2001 OZ_{48} 2 1.9 186°.72 1°.4/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.03	+10 40.9	2.466	3.287	10.9	22.0
1 12	9 16.76	+11 2.3	2.383	3.286	8.0	21.8
1 22	9 8.86	+11 33.3	2.327	3.285	4.7	21.6
2 1	8 59.96	+12 11.2	2.301	3.284	1.6	21.4
2 11	8 50.88	+12 52.4	2.307	3.281	3.3	21.5
2 21	8 42.46	+13 33.0	2.343	3.278	6.6	21.7
3 2	8 35.45	+14 9.9	2.407	3.274	9.8	21.9
3 12	8 30.38	+14 40.8	2.495	3.269	12.5	22.1

119541 2001 VP_{20} 2 1.9 267.°17 0.°6/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.94	+14 7.5	1.484	2.336	15.2	19.6
1 12	9 19.04	+14 27.2	1.407	2.328	11.0	19.4
1 22	9 10.45	+14 58.8	1.354	2.320	6.1	19.1
2 1	9 0.12	+15 37.7	1.328	2.313	0.9	18.7
2 11	8 49.43	+16 17.6	1.329	2.305	4.8	18.9
2 21	8 39.84	+16 52.9	1.357	2.297	9.9	19.2
3 2	8 32.60	+17 19.5	1.409	2.289	14.6	19.5
3 12	8 28.49	+17 35.4	1.480	2.281	18.4	19.7

273339 2006 TH_{85} 2 1.9 123.°94 1.°5/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.11	+11 53.0	1.533	2.371	15.5	21.5
1 12	9 21.61	+12 9.9	1.476	2.388	11.2	21.2
1 22	9 11.63	+12 39.6	1.443	2.405	6.4	21.0
2 1	9 0.21	+13 17.6	1.437	2.421	1.7	20.7
2 11	8 48.79	+13 58.0	1.460	2.436	4.5	21.0
2 21	8 38.72	+14 35.4	1.511	2.450	9.3	21.3
3 2	8 31.09	+15 6.0	1.587	2.463	13.5	21.5
3 12	8 26.49	+15 27.7	1.685	2.476	16.9	21.8

243054 2007 CF_{64} 2 1.9 296.°91 3.°2/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.53	+ 5 28.8	1.792	2.617	14.2	20.0
1 12	9 14.90	+ 6 2.4	1.700	2.600	10.8	19.7
1 22	9 8.13	+ 6 56.2	1.632	2.584	7.0	19.4
2 1	8 59.92	+ 8 7.4	1.590	2.567	3.6	19.2
2 11	8 51.29	+ 9 30.5	1.577	2.551	4.5	19.2
2 21	8 43.37	+10 58.2	1.592	2.535	8.5	19.4
3 2	8 37.19	+12 23.1	1.633	2.519	12.6	19.6
3 12	8 33.49	+13 39.4	1.696	2.503	16.2	19.8

225566 2000 TP_{15} 2 1.9 146.°95 3.°9/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.49	+ 3 36.8	2.184	2.987	12.8	21.0
1 12	9 15.78	+ 3 42.2	2.109	2.994	9.8	20.8
1 22	9 8.37	+ 4 3.2	2.059	3.000	6.7	20.7
2 1	8 59.93	+ 4 38.4	2.037	3.006	4.2	20.5
2 11	8 51.36	+ 5 24.3	2.044	3.011	4.6	20.5
2 21	8 43.54	+ 6 16.4	2.081	3.016	7.3	20.7
3 2	8 37.24	+ 7 9.9	2.144	3.021	10.4	20.9
3 12	8 33.01	+ 8 0.6	2.231	3.025	13.2	21.1

40536 1999 RL_{103} 2 1.9 191.°07 3.°2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.43	+ 7 22.0	1.861	2.683	13.9	19.1
1 12	9 18.16	+ 7 21.1	1.783	2.682	10.5	18.9
1 22	9 9.77	+ 7 34.7	1.729	2.681	6.7	18.6
2 1	9 0.07	+ 8 1.1	1.702	2.679	3.5	18.4
2 11	8 50.13	+ 8 36.4	1.705	2.677	4.6	18.5
2 21	8 41.07	+ 9 16.0	1.736	2.674	8.3	18.7
3 2	8 33.87	+ 9 55.3	1.793	2.671	12.1	18.9
3 12	8 29.18	+10 30.4	1.873	2.668	15.3	19.1

18953 Laurensmith 2 1.9 92.°36 1.°3/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.72	+18 56.4	1.863	2.716	12.5	19.6
1 12	9 17.60	+19 32.8	1.803	2.725	8.8	19.4
1 22	9 9.42	+20 14.1	1.767	2.735	4.7	19.1
2 1	9 0.03	+20 55.0	1.760	2.744	1.3	18.9
2 11	8 50.57	+21 30.1	1.783	2.753	4.6	19.2
2 21	8 42.15	+21 55.8	1.833	2.763	8.6	19.4
3 2	8 35.68	+22 10.1	1.909	2.772	12.2	19.6
3 12	8 31.74	+22 13.1	2.006	2.781	15.1	19.9

284153 2005 XN_{32} 2 1.9 194.°55 3.°1/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.66	+21 52.4	1.710	2.565	13.3	21.1
1 12	9 20.07	+23 2.5	1.640	2.564	9.4	20.8
1 22	9 10.94	+24 17.3	1.596	2.562	5.3	20.6
2 1	9 0.18	+25 28.4	1.580	2.559	3.1	20.4
2 11	8 49.13	+26 27.9	1.593	2.555	6.2	20.6
2 21	8 39.15	+27 10.5	1.634	2.551	10.4	20.9
3 2	8 31.40	+27 34.5	1.699	2.547	14.2	21.1
3 12	8 26.64	+27 41.1	1.784	2.542	17.4	21.3

237177 2008 UZ_{160} 2 1.9 56.°17 1.°3/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.95	+18 59.6	1.977	2.830	11.9	21.0
1 12	9 16.29	+19 34.6	1.913	2.836	8.4	20.8
1 22	9 8.70	+20 14.4	1.874	2.842	4.5	20.5
2 1	8 59.98	+20 54.1	1.864	2.848	1.3	20.3
2 11	8 51.15	+21 28.6	1.883	2.854	4.3	20.5
2 21	8 43.26	+21 54.4	1.931	2.861	8.2	20.8
3 2	8 37.16	+22 9.4	2.004	2.867	11.7	21.0
3 12	8 33.41	+22 13.5	2.099	2.874	14.5	21.2

33020 1997 MG_9 2 1.9 29.°71 1.°2/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.41	+13 29.6	1.000	1.873	19.0	18.6
1 12	9 18.33	+13 37.0	0.957	1.888	13.6	18.4
1 22	9 10.11	+14 0.1	0.935	1.903	7.6	18.1
2 1	9 0.11	+14 33.2	0.935	1.920	1.6	17.8
2 11	8 50.20	+15 8.4	0.960	1.938	5.5	18.1
2 21	8 42.13	+15 39.0	1.008	1.957	11.3	18.5
3 2	8 37.13	+16 0.5	1.077	1.977	16.3	18.8
3 12	8 35.77	+16 10.6	1.164	1.998	20.4	19.1

372487 2009 SH_{225} 2 1.9 95.°63 1.°0/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.42	+18 46.0	1.840	2.691	12.7	20.6
1 12	9 18.17	+19 6.4	1.772	2.694	9.0	20.4
1 22	9 9.77	+19 31.7	1.729	2.696	4.8	20.2
2 1	9 0.09	+19 57.0	1.714	2.699	1.0	19.9
2 11	8 50.29	+20 17.7	1.729	2.701	4.4	20.1
2 21	8 41.52	+20 30.5	1.771	2.704	8.6	20.4
3 2	8 34.73	+20 33.9	1.839	2.706	12.4	20.6
3 12	8 30.54	+20 27.7	1.929	2.708	15.5	20.8

23528 1993 FQ_{38} 2 1.9 230.°36 0.°7/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.15	+12 52.1	1.833	2.674	13.2	19.7
1 12	9 17.38	+13 24.6	1.753	2.668	9.6	19.5
1 22	9 9.43	+14 8.8	1.697	2.661	5.3	19.2
2 1	9 0.07	+15 0.4	1.669	2.654	1.0	18.9
2 11	8 50.42	+15 53.8	1.671	2.647	4.1	19.1
2 21	8 41.63	+16 43.5	1.701	2.639	8.5	19.3
3 2	8 34.70	+17 25.3	1.757	2.631	12.5	19.6
3 12	8 30.34	+17 56.7	1.835	2.623	15.8	19.8

466703 2014 WN_{406} 2 2.0 241.°70 3.°7/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.66	+24 52.7	1.892	2.751	12.1	21.6
1 12	9 17.76	+25 54.4	1.824	2.748	8.6	21.4
1 22	9 9.62	+26 57.0	1.782	2.745	5.2	21.2
2 1	9 0.09	+27 53.3	1.768	2.742	3.8	21.1
2 11	8 50.34	+28 36.8	1.782	2.739	6.3	21.2
2 21	8 41.57	+29 3.8	1.825	2.736	9.8	21.4
3 2	8 34.79	+29 13.3	1.891	2.733	13.2	21.6
3 12	8 30.66	+29 6.7	1.978	2.730	16.1	21.8

56916 2000 QU_{210} 2 2.0 119.°88 0.°6/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.61	+18 12.7	2.589	3.430	9.8	19.6
1 12	9 15.65	+18 31.5	2.523	3.440	6.9	19.4
1 22	9 8.22	+18 53.8	2.484	3.450	3.7	19.2
2 1	8 59.96	+19 16.4	2.475	3.460	0.6	19.0
2 11	8 51.65	+19 36.1	2.497	3.469	3.3	19.2
2 21	8 44.07	+19 50.6	2.549	3.478	6.5	19.4
3 2	8 37.88	+19 58.3	2.628	3.487	9.4	19.6
3 12	8 33.54	+19 58.9	2.731	3.496	11.8	19.8

240029 2001 UY_{69} 2 2.0 334.°87 3.°5/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.15	+ 8 16.6	1.250	2.100	17.5	20.2
1 12	9 17.36	+ 8 16.3	1.178	2.093	13.2	19.9
1 22	9 9.68	+ 8 36.3	1.127	2.086	8.2	19.6
2 1	9 0.11	+ 9 14.1	1.100	2.080	3.9	19.4
2 11	8 50.15	+10 3.8	1.098	2.074	5.6	19.4
2 21	8 41.38	+10 58.1	1.121	2.069	10.7	19.7
3 2	8 35.17	+11 49.7	1.167	2.064	15.6	20.0
3 12	8 32.33	+12 33.0	1.232	2.061	19.8	20.2

370772 2004 RK_{314} 2 2.0 201.°54 2.°6/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.72	+23 36.7	2.137	2.987	11.2	21.5
1 12	9 18.25	+24 12.7	2.064	2.985	8.0	21.3
1 22	9 9.79	+24 49.3	2.018	2.983	4.6	21.1
2 1	9 0.11	+25 21.3	2.001	2.980	2.7	21.0
2 11	8 50.28	+25 44.0	2.014	2.976	5.1	21.1
2 21	8 41.33	+25 54.6	2.055	2.973	8.6	21.3
3 2	8 34.19	+25 52.5	2.123	2.969	11.8	21.5
3 12	8 29.44	+25 38.7	2.212	2.965	14.5	21.7

280751 2005 QR_{19} 2 2.0 116.°04 1.°1/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.15	+12 6.8	1.538	2.379	15.3	21.6
1 12	9 20.27	+12 36.7	1.481	2.395	11.0	21.3
1 22	9 10.95	+13 19.8	1.447	2.411	6.2	21.1
2 1	9 0.22	+14 10.8	1.442	2.426	1.4	20.8
2 11	8 49.44	+15 3.1	1.464	2.440	4.5	21.1
2 21	8 39.95	+15 50.8	1.515	2.454	9.2	21.4
3 2	8 32.82	+16 29.8	1.591	2.467	13.4	21.6
3 12	8 28.64	+16 57.8	1.687	2.480	16.8	21.9

405881 2006 EO_{17} 2 2.0 305.°77 1.°9/ 1.1 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.91	+19 42.0	1.344	2.211	15.5	21.1
1 12	9 19.43	+20 10.5	1.263	2.193	11.1	20.8
1 22	9 10.89	+20 46.2	1.205	2.174	6.1	20.5
2 1	9 0.24	+21 22.3	1.173	2.156	1.9	20.1
2 11	8 49.04	+21 51.2	1.166	2.139	6.1	20.4
2 21	8 39.00	+22 7.5	1.185	2.121	11.5	20.6
3 2	8 31.60	+22 9.0	1.227	2.105	16.5	20.8
3 12	8 27.76	+21 55.9	1.286	2.088	20.6	21.1

161995 1983 LB 2 2.0 198.°77 7.°3/25.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 32.20	+39 25.9	2.549	3.374	10.5	22.5
1 12	9 23.80	+41 11.8	2.486	3.369	8.6	22.4
1 22	9 12.94	+42 48.1	2.451	3.363	7.4	22.3
2 1	9 0.42	+44 6.1	2.446	3.355	7.6	22.3
2 11	8 47.46	+44 59.6	2.470	3.347	9.1	22.4
2 21	8 35.35	+45 26.6	2.522	3.336	11.1	22.5
3 2	8 25.25	+45 28.6	2.597	3.325	13.1	22.6
3 12	8 17.94	+45 10.2	2.690	3.313	14.9	22.8