423111 2004 BT_{54} 3 15.9 111.°70 1.°6/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.26	+ 4 53.7	2.423	3.255	10.8	21.5
2 21	12 1.13	+ 5 37.3	2.359	3.272	7.9	21.3
3 2	11 54.47	+ 6 27.0	2.322	3.288	4.6	21.1
3 12	11 46.88	+ 7 18.1	2.314	3.304	1.8	20.9
3 22	11 39.09	+ 8 5.4	2.336	3.320	3.3	21.1
4 1	11 31.83	+ 8 44.5	2.388	3.335	6.4	21.3
4 11	11 25.76	+ 9 12.2	2.466	3.351	9.4	21.5
4 21	11 21.30	+ 9 26.9	2.568	3.365	11.9	21.7

492638 2014 OB_{336} 3 15.9 218.°92 4.°0/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.76	+ 8 57.6	1.737	2.586	13.6	21.7
2 21	12 4.52	+10 6.6	1.659	2.579	10.1	21.5
3 2	11 56.90	+11 22.9	1.605	2.571	6.3	21.3
3 12	11 47.67	+12 38.0	1.579	2.562	4.0	21.1
3 22	11 37.86	+13 43.2	1.581	2.553	6.1	21.2
4 1	11 28.65	+14 31.2	1.609	2.544	10.0	21.4
4 11	11 21.11	+14 57.6	1.663	2.534	13.9	21.6
4 21	11 15.92	+15 1.8	1.736	2.523	17.2	21.8

256189 2006 VD_{80} 3 15.9 151.°54 2.°2/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.07	+ 4 34.7	1.719	2.565	13.9	20.9
2 21	12 2.42	+ 5 27.2	1.647	2.566	10.2	20.7
3 2	11 55.56	+ 6 30.0	1.599	2.567	6.0	20.4
3 12	11 47.26	+ 7 36.0	1.578	2.568	2.4	20.2
3 22	11 38.51	+ 8 37.6	1.584	2.569	4.4	20.3
4 1	11 30.41	+ 9 27.4	1.618	2.569	8.6	20.6
4 11	11 23.92	+10 0.6	1.677	2.570	12.6	20.8
4 21	11 19.66	+10 15.0	1.757	2.571	15.9	21.0

179854 2002 TT_{258} 3 15.9 111.°54 0.°9/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.23	+ 0 46.4	1.793	2.627	14.0	19.9
2 21	12 2.38	+ 1 36.6	1.726	2.638	10.3	19.6
3 2	11 55.45	+ 2 39.8	1.683	2.649	6.1	19.4
3 12	11 47.22	+ 3 49.6	1.668	2.659	1.7	19.1
3 22	11 38.64	+ 4 58.8	1.681	2.670	3.3	19.3
4 1	11 30.74	+ 6 0.1	1.722	2.680	7.6	19.6
4 11	11 24.40	+ 6 47.7	1.788	2.689	11.5	19.8
4 21	11 20.19	+ 7 18.6	1.877	2.699	14.8	20.0

19118 1981 SD_2 3 15.9 143.°68 2.°6/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.23	+ 6 30.6	1.784	2.625	13.7	17.7
2 21	12 5.36	+ 7 12.0	1.717	2.633	10.0	17.5
3 2	11 57.26	+ 8 0.5	1.675	2.641	6.0	17.3
3 12	11 47.75	+ 8 49.3	1.660	2.648	2.7	17.1
3 22	11 37.86	+ 9 31.8	1.673	2.655	4.6	17.2
4 1	11 28.71	+10 2.1	1.714	2.661	8.6	17.5
4 11	11 21.26	+10 16.7	1.781	2.667	12.3	17.7
4 21	11 16.10	+10 14.5	1.869	2.672	15.5	17.9

167373 2003 WM_{64} 3 15.9 53.°11 0.°1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.30	− 0 29.7	1.926	2.756	13.3	20.0
2 21	12 0.86	− 0 0.0	1.855	2.764	9.9	19.8
3 2	11 54.51	+ 0 42.0	1.808	2.772	6.0	19.6
3 12	11 46.95	+ 1 31.8	1.788	2.780	1.7	19.3
3 22	11 39.05	+ 2 23.5	1.797	2.788	2.6	19.4
4 1	11 31.73	+ 3 11.1	1.833	2.796	6.7	19.7
4 11	11 25.83	+ 3 49.3	1.896	2.805	10.5	19.9
4 21	11 21.88	+ 4 14.7	1.981	2.813	13.7	20.1

362013 2008 WX_{120} 3 15.9 53.°01 3.°6/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.98	− 7 50.9	1.330	2.151	18.6	21.1
2 21	12 4.34	− 7 59.3	1.266	2.162	14.5	20.9
3 2	11 56.93	− 7 44.2	1.222	2.173	9.8	20.7
3 12	11 47.69	− 7 8.0	1.201	2.184	5.2	20.4
3 22	11 37.94	− 6 16.7	1.205	2.195	4.0	20.4
4 1	11 29.08	− 5 18.7	1.235	2.207	8.1	20.6
4 11	11 22.34	− 4 23.6	1.289	2.219	12.7	20.9
4 21	11 18.39	− 3 38.7	1.364	2.231	16.8	21.2

500623 2012 UE_{154} 3 15.9 56.°86 0.°4/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.25	+ 0 47.8	2.071	2.901	12.5	21.5
2 21	12 0.63	+ 1 17.0	2.008	2.918	9.2	21.4
3 2	11 54.27	+ 1 56.4	1.970	2.934	5.5	21.2
3 12	11 46.86	+ 2 41.3	1.960	2.951	1.5	20.9
3 22	11 39.21	+ 3 26.4	1.978	2.968	2.6	21.0
4 1	11 32.15	+ 4 6.5	2.025	2.985	6.4	21.3
4 11	11 26.44	+ 4 37.2	2.098	3.002	9.8	21.5
4 21	11 22.53	+ 4 56.0	2.194	3.020	12.8	21.8

366440 2001 XM_{96} 3 15.9 129.°46 7.°6/25.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.21	−24 33.5	2.269	2.959	15.6	20.9
2 21	12 2.96	−24 57.3	2.187	2.973	13.5	20.7
3 2	11 55.78	−24 56.1	2.124	2.986	11.2	20.6
3 12	11 47.33	−24 28.7	2.085	2.998	9.0	20.5
3 22	11 38.47	−23 36.6	2.072	3.010	7.7	20.4
4 1	11 30.16	−22 24.3	2.086	3.022	8.0	20.5
4 11	11 23.24	−20 59.3	2.127	3.033	9.7	20.6
4 21	11 18.26	−19 29.8	2.192	3.043	11.9	20.7

118649 2000 JM_{32} 3 15.9 230.°53 5.°7/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.90	+17 41.0	2.192	3.035	11.4	20.4
2 21	12 4.97	+18 41.9	2.113	3.023	8.8	20.2
3 2	11 57.01	+19 40.9	2.060	3.010	6.5	20.1
3 12	11 47.70	+20 30.6	2.035	2.997	5.8	20.0
3 22	11 37.91	+21 4.6	2.039	2.983	7.4	20.1
4 1	11 28.65	+21 18.6	2.070	2.968	10.1	20.2
4 11	11 20.80	+21 11.3	2.125	2.953	12.9	20.3
4 21	11 14.97	+20 43.7	2.202	2.937	15.5	20.5

333840 2012 MT_6 3 15.9 291.°42 11.°9/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.30	−29 47.5	1.941	2.609	18.6	21.1
2 21	12 3.19	−30 56.1	1.825	2.581	16.9	20.9
3 2	11 56.46	−31 37.6	1.726	2.552	15.0	20.7
3 12	11 47.68	−31 45.8	1.646	2.523	13.2	20.5
3 22	11 37.77	−31 17.4	1.588	2.493	12.0	20.3
4 1	11 28.01	−30 13.0	1.553	2.464	12.1	20.2
4 11	11 19.72	−28 39.4	1.542	2.434	13.5	20.3
4 21	11 13.89	−26 47.0	1.552	2.404	15.8	20.3

310924 2003 SZ_{166} 3 15.9 167.°85 1.°4/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.76	+ 3 46.1	2.061	2.889	12.6	21.0
2 21	12 4.80	+ 4 23.5	1.985	2.895	9.3	20.8
3 2	11 56.86	+ 5 9.5	1.934	2.899	5.5	20.6
3 12	11 47.64	+ 5 58.9	1.912	2.903	1.8	20.3
3 22	11 38.04	+ 6 45.6	1.920	2.906	3.4	20.5
4 1	11 29.03	+ 7 24.3	1.957	2.909	7.3	20.7
4 11	11 21.48	+ 7 50.8	2.021	2.910	10.9	20.9
4 21	11 15.94	+ 8 3.1	2.107	2.911	14.0	21.1

419174 2009 TA_{31} 3 15.9 65.°90 3.°1/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.86	− 8 34.4	1.765	2.562	15.7	21.6
2 21	12 4.19	− 8 32.3	1.712	2.594	12.2	21.5
3 2	11 56.44	− 8 11.2	1.681	2.626	8.2	21.3
3 12	11 47.49	− 7 33.8	1.677	2.657	4.4	21.1
3 22	11 38.34	− 6 45.4	1.700	2.688	3.4	21.1
4 1	11 30.06	− 5 52.5	1.751	2.719	6.5	21.4
4 11	11 23.48	− 5 2.1	1.829	2.750	10.1	21.7
4 21	11 19.10	− 4 19.5	1.930	2.780	13.3	21.9

472777 2015 FS_{142} 3 15.9 274.°32 0.°1/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.66	− 0 51.9	2.363	3.183	11.5	22.0
2 21	12 0.29	− 0 21.0	2.259	3.162	8.6	21.8
3 2	11 54.20	+ 0 21.6	2.179	3.141	5.3	21.5
3 12	11 46.90	+ 1 12.3	2.128	3.119	1.6	21.2
3 22	11 39.09	+ 2 6.5	2.106	3.097	2.3	21.2
4 1	11 31.58	+ 2 58.8	2.113	3.074	6.1	21.4
4 11	11 25.13	+ 3 44.0	2.147	3.052	9.7	21.6
4 21	11 20.33	+ 4 18.3	2.206	3.029	12.8	21.8

97513 2000 CD_{137} 3 15.9 215.°50 1.°3/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.37	+ 3 19.1	2.208	3.042	11.7	20.1
2 21	12 0.78	+ 4 2.6	2.126	3.039	8.6	19.9
3 2	11 54.44	+ 4 55.1	2.069	3.035	5.1	19.7
3 12	11 46.95	+ 5 51.5	2.041	3.032	1.7	19.5
3 22	11 39.07	+ 6 46.3	2.041	3.028	3.3	19.6
4 1	11 31.65	+ 7 33.7	2.071	3.024	6.9	19.8
4 11	11 25.45	+ 8 9.4	2.127	3.019	10.3	20.0
4 21	11 21.00	+ 8 31.0	2.206	3.015	13.3	20.2

255687 2006 QS_{58} 3 15.9 169.°43 3.°9/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.46	+10 6.3	1.938	2.783	12.6	21.1
2 21	12 3.96	+11 9.6	1.869	2.787	9.2	20.9
3 2	11 56.40	+12 17.4	1.826	2.790	5.8	20.7
3 12	11 47.52	+13 21.9	1.811	2.793	3.9	20.6
3 22	11 38.25	+14 16.0	1.824	2.795	5.8	20.7
4 1	11 29.62	+14 53.9	1.866	2.796	9.2	20.9
4 11	11 22.52	+15 12.6	1.932	2.797	12.5	21.1
4 21	11 17.52	+15 11.9	2.019	2.797	15.4	21.3

125496 2001 WF_{29} 3 16.0 93.°57 8.°6/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.54	+23 31.9	1.798	2.650	13.1	20.2
2 21	12 4.18	+25 3.4	1.753	2.658	10.6	20.0
3 2	11 56.55	+26 26.1	1.734	2.667	8.9	19.9
3 12	11 47.55	+27 29.9	1.740	2.676	8.9	19.9
3 22	11 38.27	+28 7.8	1.772	2.685	10.5	20.1
4 1	11 29.84	+28 16.4	1.828	2.693	12.9	20.2
4 11	11 23.21	+27 56.7	1.905	2.701	15.4	20.4
4 21	11 18.91	+27 12.3	2.000	2.710	17.6	20.6

429614 2011 FK_{19} 3 16.0 312.°54 2.°5/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.19	+ 5 45.5	1.858	2.706	12.9	20.8
2 21	12 0.94	+ 6 40.3	1.782	2.702	9.5	20.5
3 2	11 54.66	+ 7 43.8	1.731	2.699	5.6	20.3
3 12	11 47.04	+ 8 49.4	1.706	2.695	2.6	20.1
3 22	11 38.97	+ 9 49.9	1.710	2.692	4.6	20.2
4 1	11 31.46	+10 38.4	1.741	2.688	8.4	20.4
4 11	11 25.39	+11 10.4	1.797	2.685	12.1	20.6
4 21	11 21.36	+11 24.0	1.874	2.682	15.3	20.9

289874 2005 MQ_{21} 3 16.0 325.°22 3.°4/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.43	− 9 50.7	2.255	3.040	13.1	20.4
2 21	12 0.86	−10 0.4	2.165	3.037	10.4	20.3
3 2	11 54.52	− 9 54.2	2.099	3.035	7.4	20.1
3 12	11 46.99	− 9 33.2	2.058	3.033	4.4	19.9
3 22	11 39.03	− 9 0.3	2.046	3.031	3.5	19.8
4 1	11 31.49	− 8 19.8	2.063	3.029	5.8	19.9
4 11	11 25.13	− 7 37.4	2.106	3.027	9.0	20.1
4 21	11 20.53	− 6 58.0	2.174	3.025	12.0	20.3

137093 1998 XW_{70} 3 16.0 71.°62 3.°6/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.67	+ 8 22.8	1.579	2.432	14.6	19.6
2 21	12 4.29	+ 9 18.0	1.530	2.452	10.6	19.4
3 2	11 56.61	+10 18.5	1.505	2.472	6.4	19.2
3 12	11 47.57	+11 16.1	1.506	2.492	3.6	19.1
3 22	11 38.29	+12 2.9	1.534	2.512	5.7	19.3
4 1	11 29.95	+12 33.2	1.589	2.531	9.5	19.5
4 11	11 23.48	+12 44.1	1.668	2.551	13.2	19.8
4 21	11 19.40	+12 35.8	1.767	2.570	16.3	20.1

376648 2013 QS_2 3 16.0 323.°84 2.°5/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.87	− 6 14.6	1.656	2.472	15.8	20.6
2 21	12 2.48	− 6 11.5	1.573	2.469	12.2	20.4
3 2	11 55.74	− 5 49.6	1.512	2.465	8.1	20.1
3 12	11 47.39	− 5 11.4	1.477	2.462	3.9	19.9
3 22	11 38.45	− 4 22.0	1.468	2.459	3.1	19.8
4 1	11 30.09	− 3 28.2	1.486	2.456	7.2	20.0
4 11	11 23.37	− 2 37.8	1.530	2.453	11.5	20.3
4 21	11 18.99	− 1 56.9	1.595	2.451	15.3	20.5

173919 2001 VR_{58} 3 16.0 120.°66 2.°4/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.95	+ 9 4.4	2.529	3.364	10.3	20.4
2 21	12 2.35	+ 9 32.9	2.462	3.375	7.5	20.2
3 2	11 55.22	+10 4.0	2.421	3.385	4.6	20.1
3 12	11 47.16	+10 33.2	2.410	3.396	2.5	19.9
3 22	11 38.87	+10 56.5	2.429	3.406	3.9	20.0
4 1	11 31.10	+11 10.3	2.477	3.416	6.7	20.2
4 11	11 24.52	+11 12.7	2.552	3.425	9.5	20.4
4 21	11 19.55	+11 3.0	2.650	3.435	12.0	20.6

125426 2001 VZ_{113} 3 16.0 141.°63 2.°1/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.59	− 6 4.5	1.718	2.526	15.6	20.5
2 21	12 5.03	− 5 50.0	1.644	2.535	12.0	20.3
3 2	11 57.16	− 5 17.0	1.592	2.544	7.8	20.1
3 12	11 47.78	− 4 28.8	1.567	2.553	3.5	19.8
3 22	11 37.94	− 3 31.0	1.569	2.561	2.9	19.8
4 1	11 28.80	− 2 31.0	1.600	2.568	7.1	20.1
4 11	11 21.39	− 1 36.2	1.657	2.575	11.2	20.3
4 21	11 16.31	− 0 52.2	1.737	2.581	14.8	20.6

417623 2006 WW_{143} 3 16.0 74.°03 1.°6/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.05	+ 3 6.4	1.622	2.466	14.7	21.3
2 21	12 3.11	+ 3 53.4	1.564	2.482	10.7	21.1
3 2	11 55.94	+ 4 51.3	1.530	2.498	6.3	20.9
3 12	11 47.39	+ 5 53.2	1.523	2.514	2.1	20.7
3 22	11 38.55	+ 6 51.4	1.543	2.530	4.0	20.8
4 1	11 30.53	+ 7 38.8	1.591	2.546	8.3	21.1
4 11	11 24.25	+ 8 10.6	1.663	2.562	12.3	21.4
4 21	11 20.27	+ 8 24.8	1.756	2.578	15.6	21.6

499351 2009 WO_{260} 3 16.0 121.°64 5.°6/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.08	−16 47.0	2.108	2.857	15.0	21.4
2 21	12 2.20	−17 3.7	2.025	2.864	12.5	21.3
3 2	11 55.37	−16 58.7	1.963	2.872	9.6	21.1
3 12	11 47.25	−16 31.8	1.926	2.879	6.9	20.9
3 22	11 38.70	−15 45.7	1.917	2.886	5.6	20.9
4 1	11 30.67	−14 45.4	1.935	2.893	6.9	21.0
4 11	11 24.01	−13 38.1	1.980	2.899	9.5	21.1
4 21	11 19.30	−12 30.9	2.049	2.906	12.4	21.3

339007 2004 GH_{52} 3 16.0 40.°17 0.°7/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.43	− 3 5.4	2.000	2.823	13.2	21.1
2 21	11 59.45	− 2 31.2	1.927	2.830	9.9	20.9
3 2	11 53.67	− 1 42.6	1.878	2.838	6.1	20.7
3 12	11 46.74	− 0 43.9	1.856	2.846	2.1	20.5
3 22	11 39.49	+ 0 19.1	1.863	2.855	2.3	20.5
4 1	11 32.78	+ 1 19.9	1.897	2.863	6.3	20.8
4 11	11 27.39	+ 2 12.6	1.958	2.872	9.9	21.0
4 21	11 23.83	+ 2 53.2	2.042	2.881	13.1	21.2

334875 2003 UJ_{226} 3 16.0 168.°43 2.°6/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.41	+ 9 15.5	2.593	3.426	10.2	21.5
2 21	12 2.72	+ 9 51.5	2.518	3.431	7.4	21.3
3 2	11 55.47	+10 30.4	2.471	3.434	4.6	21.1
3 12	11 47.25	+11 7.5	2.452	3.437	2.6	21.0
3 22	11 38.75	+11 38.4	2.465	3.440	4.0	21.1
4 1	11 30.73	+11 59.4	2.507	3.442	6.8	21.3
4 11	11 23.84	+12 8.1	2.575	3.444	9.6	21.5
4 21	11 18.56	+12 3.9	2.668	3.445	12.1	21.6

164165 2004 AC_4 3 16.0 114.°82 4.°1/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.34	+12 14.9	2.249	3.098	10.9	20.1
2 21	12 0.67	+13 24.4	2.189	3.107	8.1	19.9
3 2	11 54.31	+14 35.7	2.154	3.116	5.3	19.8
3 12	11 46.92	+15 42.0	2.148	3.124	4.1	19.7
3 22	11 39.26	+16 37.1	2.171	3.132	5.8	19.8
4 1	11 32.15	+17 16.3	2.221	3.140	8.5	20.0
4 11	11 26.30	+17 37.2	2.297	3.148	11.3	20.2
4 21	11 22.18	+17 39.9	2.394	3.155	13.7	20.4

120651 1996 TA_{10} 3 16.0 242.°76 0.°8/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.22	− 3 32.6	2.136	2.948	12.8	20.5
2 21	12 1.60	− 2 59.9	2.037	2.935	9.7	20.2
3 2	11 55.05	− 2 12.1	1.963	2.921	6.1	20.0
3 12	11 47.19	− 1 12.9	1.917	2.907	2.2	19.7
3 22	11 38.79	− 0 7.4	1.900	2.892	2.3	19.7
4 1	11 30.76	+ 0 57.8	1.912	2.876	6.4	19.9
4 11	11 23.97	+ 1 56.5	1.951	2.861	10.2	20.1
4 21	11 19.03	+ 2 43.9	2.014	2.844	13.6	20.3

2305 King 3 16.0 147.°42 2.°1/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.29	+ 6 15.3	2.015	2.854	12.4	16.0
2 21	12 3.04	+ 6 46.0	1.941	2.856	9.1	15.8
3 2	11 55.84	+ 7 23.0	1.892	2.858	5.4	15.6
3 12	11 47.39	+ 8 0.8	1.870	2.860	2.3	15.4
3 22	11 38.56	+ 8 34.1	1.878	2.861	3.9	15.5
4 1	11 30.31	+ 8 57.8	1.914	2.863	7.6	15.7
4 11	11 23.49	+ 9 8.7	1.975	2.864	11.2	16.0
4 21	11 18.65	+ 9 5.3	2.059	2.866	14.2	16.2

503759 2016 NB_{20} 3 16.0 233.°55 6.°9/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.59	+21 42.1	2.286	3.133	10.8	21.4
2 21	12 1.76	+23 11.1	2.220	3.125	8.7	21.2
3 2	11 55.07	+24 35.8	2.180	3.116	7.1	21.1
3 12	11 47.17	+25 48.0	2.168	3.107	7.1	21.1
3 22	11 38.87	+26 41.2	2.183	3.098	8.7	21.1
4 1	11 31.06	+27 11.0	2.224	3.088	11.0	21.3
4 11	11 24.57	+27 16.5	2.288	3.079	13.3	21.4
4 21	11 19.92	+26 59.3	2.370	3.068	15.4	21.6

392376 2010 HK_{91} 3 16.0 229.°63 0.°6/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.02	− 1 28.0	2.731	3.540	10.4	21.3
2 21	12 1.00	− 1 20.6	2.637	3.533	7.9	21.1
3 2	11 54.48	− 1 4.2	2.568	3.525	4.9	20.9
3 12	11 46.99	− 0 41.4	2.528	3.518	1.7	20.7
3 22	11 39.13	− 0 15.3	2.518	3.510	1.9	20.7
4 1	11 31.61	+ 0 10.5	2.539	3.502	5.1	20.9
4 11	11 25.07	+ 0 32.4	2.587	3.494	8.2	21.1
4 21	11 19.99	+ 0 47.7	2.661	3.485	10.8	21.2

508394 2016 GO_{133} 3 16.0 302.°21 6.°7/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.16	+16 7.9	1.626	2.483	13.9	20.7
2 21	12 5.27	+17 7.5	1.534	2.453	10.8	20.5
3 2	11 57.65	+18 8.1	1.465	2.423	7.8	20.2
3 12	11 48.02	+18 59.8	1.422	2.392	6.7	20.1
3 22	11 37.50	+19 33.4	1.406	2.362	8.8	20.1
4 1	11 27.44	+19 42.2	1.414	2.331	12.5	20.2
4 11	11 19.14	+19 23.4	1.445	2.301	16.4	20.4
4 21	11 13.47	+18 38.7	1.494	2.271	19.9	20.5

276987 2004 XH_{26} 3 16.0 54.°22 6.°6/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.64	+17 54.9	1.823	2.680	12.7	19.7
2 21	12 2.70	+19 7.5	1.772	2.688	9.7	19.5
3 2	11 55.66	+20 16.7	1.745	2.697	7.3	19.4
3 12	11 47.33	+21 13.6	1.745	2.706	6.7	19.4
3 22	11 38.71	+21 51.2	1.771	2.714	8.4	19.5
4 1	11 30.86	+22 5.5	1.823	2.723	11.2	19.7
4 11	11 24.65	+21 55.9	1.897	2.733	14.0	19.9
4 21	11 20.62	+21 24.4	1.991	2.742	16.4	20.1

465184 2007 FG_{22} 3 16.0 294.°22 2.°3/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.57	+ 6 48.7	1.806	2.648	13.5	21.4
2 21	12 5.29	+ 7 8.0	1.703	2.620	10.1	21.1
3 2	11 57.55	+ 7 34.0	1.625	2.591	6.1	20.8
3 12	11 47.99	+ 8 1.3	1.573	2.563	2.6	20.5
3 22	11 37.59	+ 8 24.0	1.550	2.534	4.5	20.6
4 1	11 27.56	+ 8 36.4	1.554	2.505	8.9	20.8
4 11	11 19.03	+ 8 34.5	1.583	2.477	13.2	20.9
4 21	11 12.84	+ 8 16.5	1.634	2.448	16.9	21.1

436975 2012 TV_{186} 3 16.0 117.°16 3.°1/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.82	−11 14.3	2.483	3.258	12.3	21.5
2 21	11 59.48	−11 0.9	2.399	3.265	9.8	21.3
3 2	11 53.60	−10 31.0	2.339	3.272	6.9	21.1
3 12	11 46.74	− 9 46.5	2.305	3.279	4.2	21.0
3 22	11 39.57	− 8 50.9	2.301	3.285	3.2	20.9
4 1	11 32.83	− 7 49.1	2.325	3.292	5.2	21.1
4 11	11 27.17	− 6 47.0	2.378	3.298	8.1	21.2
4 21	11 23.06	− 5 49.5	2.456	3.305	10.8	21.4

111682 2002 BJ_{23} 3 16.0 257.°32 5.°4/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.50	−15 32.5	2.521	3.260	13.1	19.7
2 21	12 3.85	−16 19.0	2.419	3.253	10.9	19.6
3 2	11 56.36	−16 49.8	2.341	3.245	8.5	19.4
3 12	11 47.59	−17 3.8	2.289	3.237	6.3	19.2
3 22	11 38.26	−17 1.4	2.266	3.229	5.4	19.2
4 1	11 29.24	−16 45.1	2.271	3.221	6.6	19.2
4 11	11 21.33	−16 19.5	2.304	3.213	8.9	19.3
4 21	11 15.15	−15 49.6	2.362	3.205	11.4	19.5

118323 1998 XU_{52} 3 16.0 27.°51 4.°6/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.80	− 8 7.6	1.018	1.860	21.5	18.3
2 21	12 3.28	− 8 34.4	0.966	1.872	16.9	18.1
3 2	11 56.52	− 8 33.2	0.932	1.886	11.6	17.8
3 12	11 47.67	− 8 5.7	0.918	1.901	6.4	17.6
3 22	11 38.27	− 7 18.7	0.927	1.917	5.0	17.6
4 1	11 30.03	− 6 22.3	0.959	1.934	9.2	17.9
4 11	11 24.32	− 5 28.1	1.013	1.953	14.2	18.2
4 21	11 21.82	− 4 45.0	1.085	1.972	18.6	18.5

239801 1994 CA_{11} 3 16.0 5.°40 2.°9/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.65	+ 5 57.3	1.306	2.177	15.8	19.1
2 21	11 58.93	+ 6 39.8	1.246	2.178	11.6	18.9
3 2	11 53.69	+ 7 32.5	1.208	2.180	6.9	18.6
3 12	11 46.82	+ 8 26.9	1.194	2.184	3.1	18.4
3 22	11 39.49	+ 9 14.3	1.205	2.190	5.3	18.5
4 1	11 32.98	+ 9 46.7	1.240	2.197	10.0	18.8
4 11	11 28.35	+ 9 59.4	1.297	2.206	14.3	19.1
4 21	11 26.22	+ 9 51.2	1.373	2.216	18.0	19.4

370746 2004 RZ_{162} 3 16.0 142.°02 3.°9/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.83	−15 51.1	2.670	3.411	12.4	21.7
2 21	12 0.84	−15 26.8	2.585	3.425	10.1	21.6
3 2	11 54.36	−14 43.7	2.524	3.438	7.5	21.4
3 12	11 46.96	−13 43.4	2.490	3.450	5.0	21.3
3 22	11 39.29	−12 29.6	2.486	3.462	3.9	21.2
4 1	11 32.07	−11 7.4	2.511	3.473	5.3	21.3
4 11	11 25.93	− 9 43.3	2.566	3.484	7.7	21.5
4 21	11 21.33	− 8 22.9	2.647	3.493	10.2	21.7

292164 2006 SM_4 3 16.0 190.°49 1.°6/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.30	− 5 0.8	2.620	3.416	11.2	20.9
2 21	12 1.25	− 4 56.8	2.530	3.416	8.6	20.7
3 2	11 54.66	− 4 41.4	2.465	3.414	5.6	20.5
3 12	11 47.06	− 4 16.7	2.428	3.413	2.6	20.3
3 22	11 39.11	− 3 45.8	2.420	3.411	2.1	20.2
4 1	11 31.54	− 3 12.5	2.443	3.409	5.1	20.4
4 11	11 25.01	− 2 41.1	2.494	3.407	8.2	20.6
4 21	11 20.00	− 2 15.1	2.570	3.404	10.9	20.8

144755 2004 HO_3 3 16.0 309.°95 2.°9/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.18	+10 20.9	2.170	3.010	11.6	19.4
2 21	12 4.36	+10 35.0	2.090	3.004	8.6	19.2
3 2	11 56.63	+10 50.8	2.035	2.999	5.3	19.0
3 12	11 47.65	+11 3.6	2.008	2.994	3.0	18.8
3 22	11 38.27	+11 9.0	2.011	2.989	4.5	18.9
4 1	11 29.44	+11 3.5	2.042	2.984	7.8	19.1
4 11	11 21.99	+10 45.3	2.100	2.979	11.1	19.3
4 21	11 16.47	+10 14.3	2.180	2.974	13.9	19.5

466731 2014 YX_{23} 3 16.0 59.°59 6.°0/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.04	−15 4.6	1.764	2.533	16.8	20.8
2 21	12 3.20	−15 34.6	1.690	2.545	13.8	20.7
3 2	11 56.10	−15 41.2	1.637	2.556	10.4	20.5
3 12	11 47.52	−15 24.3	1.609	2.567	7.3	20.3
3 22	11 38.46	−14 46.4	1.606	2.579	6.0	20.3
4 1	11 30.06	−13 53.4	1.630	2.591	7.6	20.4
4 11	11 23.31	−12 53.2	1.679	2.603	10.7	20.6
4 21	11 18.83	−11 54.0	1.751	2.615	13.8	20.8

496288 2012 VZ_{107} 3 16.0 97.°99 6.°6/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.91	+23 20.4	2.424	3.265	10.5	21.2
2 21	12 2.48	+24 22.0	2.374	3.274	8.4	21.0
3 2	11 55.36	+25 16.5	2.350	3.283	6.9	21.0
3 12	11 47.24	+25 57.3	2.354	3.291	6.8	21.0
3 22	11 38.92	+26 19.9	2.385	3.300	8.1	21.0
4 1	11 31.22	+26 21.6	2.442	3.308	10.1	21.2
4 11	11 24.85	+26 2.7	2.522	3.316	12.1	21.3
4 21	11 20.26	+25 25.2	2.623	3.324	14.0	21.5

40445 1999 RY_{35} 3 16.0 273.°20 1.°9/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.93	− 3 56.3	1.595	2.416	16.0	19.7
2 21	12 4.98	− 4 1.1	1.504	2.404	12.4	19.4
3 2	11 57.41	− 3 49.3	1.435	2.391	8.0	19.1
3 12	11 47.96	− 3 23.3	1.391	2.379	3.4	18.8
3 22	11 37.72	− 2 47.7	1.375	2.366	3.1	18.8
4 1	11 28.00	− 2 8.9	1.385	2.354	7.8	19.0
4 11	11 20.00	− 1 34.2	1.420	2.341	12.5	19.3
4 21	11 14.56	− 1 9.0	1.477	2.328	16.6	19.5

503179 2015 GA_{44} 3 16.0 193.°10 1.°9/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 2.34	−10 9.4	2.703	3.481	11.3	21.2
2 21	11 58.32	− 9 9.6	2.607	3.480	8.8	21.0
3 2	11 52.88	− 7 52.5	2.537	3.478	6.0	20.8
3 12	11 46.55	− 6 21.4	2.495	3.476	3.0	20.6
3 22	11 39.90	− 4 41.2	2.484	3.474	2.2	20.5
4 1	11 33.61	− 2 58.3	2.504	3.472	4.9	20.7
4 11	11 28.28	− 1 19.3	2.554	3.469	7.9	20.9
4 21	11 24.36	+ 0 10.3	2.630	3.466	10.6	21.1

142995 2002 VL_{94} 3 16.0 62.°71 1.°4/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.29	− 3 49.0	1.573	2.399	16.0	19.7
2 21	12 3.44	− 3 36.3	1.509	2.411	12.1	19.4
3 2	11 56.24	− 3 6.4	1.466	2.425	7.7	19.2
3 12	11 47.55	− 2 23.4	1.449	2.438	3.0	18.9
3 22	11 38.47	− 1 33.4	1.459	2.451	2.8	19.0
4 1	11 30.18	− 0 43.7	1.497	2.465	7.3	19.3
4 11	11 23.69	− 0 1.3	1.559	2.479	11.6	19.5
4 21	11 19.58	+ 0 29.1	1.643	2.493	15.2	19.8

5352 Fujita 3 16.0 95.°94 2.°8/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.51	− 8 0.6	1.630	2.436	16.4	17.0
2 21	12 4.26	− 7 46.6	1.565	2.453	12.7	16.8
3 2	11 56.70	− 7 11.6	1.522	2.470	8.5	16.6
3 12	11 47.68	− 6 19.1	1.504	2.487	4.3	16.3
3 22	11 38.29	− 5 15.0	1.514	2.504	3.3	16.3
4 1	11 29.71	− 4 7.3	1.551	2.520	7.1	16.6
4 11	11 22.91	− 3 4.3	1.614	2.536	11.1	16.9
4 21	11 18.49	− 2 12.1	1.700	2.551	14.7	17.1

27774 1991 YB_1 3 16.0 101.°97 1.°1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.96	− 3 10.0	1.538	2.361	16.4	18.7
2 21	12 6.14	− 2 52.5	1.477	2.379	12.4	18.5
3 2	11 57.85	− 2 17.9	1.437	2.397	7.7	18.2
3 12	11 48.02	− 1 30.8	1.424	2.414	2.8	18.0
3 22	11 37.82	− 0 37.9	1.438	2.430	2.9	18.0
4 1	11 28.52	+ 0 13.1	1.480	2.447	7.6	18.3
4 11	11 21.18	+ 0 55.4	1.547	2.462	12.0	18.6
4 21	11 16.39	+ 1 24.6	1.636	2.478	15.7	18.9

222249 2000 PP_4 3 16.0 192.°78 0.°6/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.27	+ 0 40.3	2.514	3.333	10.9	21.7
2 21	12 1.28	+ 1 30.6	2.427	3.331	8.1	21.5
3 2	11 54.71	+ 2 31.3	2.365	3.328	4.8	21.3
3 12	11 47.09	+ 3 37.7	2.333	3.325	1.3	21.0
3 22	11 39.12	+ 4 44.7	2.332	3.320	2.6	21.1
4 1	11 31.54	+ 5 46.7	2.360	3.315	6.0	21.3
4 11	11 25.04	+ 6 39.0	2.417	3.310	9.2	21.5
4 21	11 20.12	+ 7 18.7	2.498	3.303	12.0	21.7

502975 2015 FZ_{44} 3 16.0 187.°07 2.°7/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.28	+ 9 40.6	2.620	3.458	9.9	21.3
2 21	12 1.20	+10 16.6	2.543	3.457	7.3	21.2
3 2	11 54.60	+10 55.3	2.493	3.457	4.5	21.0
3 12	11 47.05	+11 32.0	2.472	3.456	2.7	20.8
3 22	11 39.22	+12 2.5	2.481	3.455	4.1	20.9
4 1	11 31.81	+12 23.1	2.519	3.454	6.8	21.1
4 11	11 25.48	+12 31.3	2.583	3.452	9.6	21.3
4 21	11 20.69	+12 26.6	2.671	3.451	12.0	21.4

173954 2001 XP_{11} 3 16.0 75.°60 5.°7/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.60	−16 58.6	2.329	3.068	14.0	20.1
2 21	12 2.44	−17 34.2	2.247	3.079	11.7	19.9
3 2	11 55.48	−17 50.8	2.188	3.089	9.1	19.8
3 12	11 47.33	−17 48.0	2.154	3.100	6.8	19.6
3 22	11 38.79	−17 27.1	2.148	3.110	5.7	19.6
4 1	11 30.72	−16 52.0	2.169	3.121	6.7	19.7
4 11	11 23.90	−16 8.1	2.217	3.131	9.0	19.8
4 21	11 18.89	−15 21.6	2.290	3.142	11.4	20.0

297636 2001 TE_{130} 3 16.0 42.°36 0.°1/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.55	− 0 50.7	1.988	2.816	13.0	20.4
2 21	12 0.27	− 0 23.0	1.919	2.826	9.7	20.2
3 2	11 54.18	+ 0 16.8	1.874	2.837	5.9	20.0
3 12	11 46.95	+ 1 4.3	1.856	2.847	1.7	19.7
3 22	11 39.40	+ 1 54.1	1.867	2.858	2.4	19.8
4 1	11 32.43	+ 2 40.3	1.905	2.869	6.5	20.1
4 11	11 26.82	+ 3 17.8	1.970	2.881	10.1	20.3
4 21	11 23.07	+ 3 43.3	2.058	2.892	13.2	20.5

505829 2015 BJ_{490} 3 16.0 186.°17 0.°3/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.23	− 0 1.9	2.396	3.215	11.4	22.1
2 21	12 1.31	+ 0 38.8	2.311	3.215	8.4	21.9
3 2	11 54.75	+ 1 30.1	2.252	3.214	5.1	21.7
3 12	11 47.12	+ 2 27.8	2.221	3.213	1.4	21.5
3 22	11 39.13	+ 3 26.9	2.221	3.211	2.4	21.5
4 1	11 31.56	+ 4 22.0	2.251	3.209	6.0	21.8
4 11	11 25.13	+ 5 8.2	2.308	3.206	9.4	22.0
4 21	11 20.35	+ 5 42.5	2.389	3.203	12.2	22.2

279238 2009 UZ_{150} 3 16.0 230.°22 2.°8/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.26	+ 7 46.5	2.139	2.978	11.8	21.6
2 21	12 3.06	+ 8 33.7	2.053	2.969	8.7	21.4
3 2	11 55.93	+ 9 26.9	1.993	2.958	5.3	21.2
3 12	11 47.49	+10 20.3	1.961	2.947	2.8	21.0
3 22	11 38.58	+11 7.6	1.958	2.936	4.6	21.1
4 1	11 30.12	+11 43.4	1.984	2.924	8.0	21.3
4 11	11 22.98	+12 4.1	2.036	2.912	11.5	21.5
4 21	11 17.74	+12 8.4	2.110	2.900	14.4	21.6

417139 2005 VM_{74} 3 16.0 126.°92 3.°9/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.39	−13 43.8	2.203	2.967	14.0	21.9
2 21	12 1.54	−13 25.2	2.124	2.981	11.3	21.7
3 2	11 54.91	−12 45.9	2.068	2.994	8.1	21.5
3 12	11 47.17	−11 48.1	2.038	3.006	5.2	21.4
3 22	11 39.10	−10 35.8	2.037	3.018	3.9	21.3
4 1	11 31.57	− 9 15.5	2.064	3.030	5.9	21.4
4 11	11 25.34	− 7 54.5	2.120	3.041	8.9	21.6
4 21	11 20.92	− 6 39.2	2.201	3.052	11.8	21.9

432038 2008 WK_{71} 3 16.0 158.°07 0.°3/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.65	− 1 44.7	2.228	3.046	12.2	22.3
2 21	12 0.98	− 1 12.5	2.148	3.049	9.1	22.1
3 2	11 54.58	− 0 28.1	2.092	3.052	5.6	21.9
3 12	11 47.08	+ 0 24.5	2.064	3.055	1.7	21.6
3 22	11 39.22	+ 1 20.2	2.066	3.058	2.2	21.7
4 1	11 31.85	+ 2 13.4	2.097	3.060	6.0	21.9
4 11	11 25.69	+ 2 58.9	2.155	3.062	9.5	22.1
4 21	11 21.26	+ 3 33.3	2.237	3.064	12.5	22.3

501498 2014 DP_{28} 3 16.0 162.°18 3.°6/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.19	−11 51.6	2.644	3.405	12.0	21.4
2 21	12 1.94	−12 7.1	2.554	3.409	9.7	21.2
3 2	11 55.10	−12 7.9	2.487	3.412	7.0	21.1
3 12	11 47.23	−11 54.8	2.448	3.415	4.6	20.9
3 22	11 39.00	−11 29.8	2.439	3.418	3.7	20.9
4 1	11 31.15	−10 56.4	2.458	3.420	5.4	21.0
4 11	11 24.36	−10 19.2	2.506	3.422	8.0	21.1
4 21	11 19.12	− 9 42.9	2.580	3.424	10.5	21.3

403841 2011 UC_{268} 3 16.0 122.°53 1.°8/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.62	+ 4 1.0	1.611	2.453	14.9	21.5
2 21	12 5.16	+ 4 39.3	1.545	2.461	10.9	21.3
3 2	11 57.29	+ 5 27.9	1.502	2.469	6.5	21.0
3 12	11 47.89	+ 6 20.0	1.486	2.477	2.2	20.8
3 22	11 38.07	+ 7 8.4	1.498	2.484	4.1	20.9
4 1	11 29.04	+ 7 46.1	1.537	2.491	8.6	21.2
4 11	11 21.84	+ 8 8.6	1.600	2.498	12.8	21.5
4 21	11 17.07	+ 8 13.9	1.685	2.505	16.3	21.7

125807 2001 XB_{160} 3 16.0 237.°50 3.°5/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.50	− 9 47.9	1.722	2.518	16.1	20.0
2 21	12 3.78	− 9 40.1	1.627	2.507	12.8	19.7
3 2	11 56.64	− 9 9.9	1.554	2.496	8.9	19.4
3 12	11 47.76	− 8 19.1	1.506	2.485	5.0	19.2
3 22	11 38.16	− 7 11.9	1.485	2.473	3.8	19.1
4 1	11 29.03	− 5 56.1	1.492	2.461	7.3	19.3
4 11	11 21.49	− 4 40.7	1.524	2.448	11.6	19.5
4 21	11 16.31	− 3 33.5	1.580	2.435	15.5	19.7

170223 2003 QB_{16} 3 16.0 181.°34 1.°6/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.61	− 5 58.0	2.053	2.855	13.7	21.3
2 21	12 3.35	− 5 28.2	1.967	2.856	10.5	21.1
3 2	11 56.11	− 4 41.5	1.905	2.857	6.8	20.9
3 12	11 47.55	− 3 41.4	1.870	2.857	2.9	20.6
3 22	11 38.54	− 2 33.2	1.865	2.856	2.5	20.6
4 1	11 30.04	− 1 23.6	1.888	2.855	6.3	20.8
4 11	11 22.91	− 0 19.5	1.940	2.852	10.1	21.1
4 21	11 17.76	+ 0 34.0	2.015	2.849	13.4	21.3

125538 2001 WK_{89} 3 16.0 291.°77 1.°5/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.38	− 3 1.5	1.410	2.243	17.1	19.1
2 21	12 4.82	− 3 0.1	1.326	2.233	13.1	18.8
3 2	11 57.43	− 2 40.7	1.263	2.224	8.4	18.5
3 12	11 48.02	− 2 6.4	1.225	2.214	3.2	18.2
3 22	11 37.80	− 1 23.2	1.213	2.205	3.2	18.2
4 1	11 28.20	− 0 38.8	1.227	2.196	8.5	18.4
4 11	11 20.54	− 0 1.2	1.264	2.187	13.5	18.7
4 21	11 15.67	+ 0 23.8	1.322	2.179	17.8	18.9

210695 2000 SY_{74} 3 16.0 160.°08 0.°3/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 2.87	− 2 40.7	2.959	3.766	9.8	21.2
2 21	11 58.54	− 1 55.4	2.876	3.772	7.3	21.0
3 2	11 52.96	− 0 59.8	2.819	3.777	4.5	20.8
3 12	11 46.59	+ 0 2.7	2.791	3.782	1.4	20.6
3 22	11 39.98	+ 1 7.8	2.795	3.786	1.7	20.6
4 1	11 33.71	+ 2 10.9	2.829	3.790	4.8	20.9
4 11	11 28.32	+ 3 7.8	2.891	3.794	7.5	21.0
4 21	11 24.21	+ 3 55.5	2.979	3.797	10.0	21.2

93388 2000 ST_{279} 3 16.0 110.°49 7.°1/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.43	+20 28.6	1.962	2.812	12.2	19.1
2 21	12 3.93	+21 47.5	1.913	2.823	9.6	19.0
3 2	11 56.38	+23 0.7	1.890	2.833	7.6	18.9
3 12	11 47.60	+23 59.6	1.894	2.843	7.2	18.9
3 22	11 38.55	+24 37.6	1.925	2.853	8.8	19.0
4 1	11 30.27	+24 51.1	1.981	2.863	11.3	19.2
4 11	11 23.61	+24 40.2	2.060	2.873	13.8	19.4
4 21	11 19.08	+24 7.4	2.158	2.882	16.1	19.5

78378 2002 PS_{133} 3 16.0 118.°24 0.°2/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.41	− 0 14.5	2.244	3.067	11.9	19.8
2 21	12 0.74	+ 0 23.1	2.171	3.076	8.8	19.6
3 2	11 54.41	+ 1 11.6	2.123	3.085	5.3	19.4
3 12	11 47.03	+ 2 6.5	2.103	3.094	1.5	19.2
3 22	11 39.35	+ 3 2.6	2.112	3.102	2.4	19.2
4 1	11 32.19	+ 3 54.4	2.150	3.111	6.1	19.5
4 11	11 26.24	+ 4 37.1	2.216	3.119	9.5	19.7
4 21	11 21.99	+ 5 7.8	2.305	3.127	12.4	19.9

235469 2004 AH_{14} 3 16.0 89.°44 1.°6/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.77	+ 2 45.5	2.146	2.983	11.9	20.3
2 21	11 59.59	+ 3 52.7	2.080	2.994	8.6	20.1
3 2	11 53.73	+ 5 9.8	2.038	3.005	5.0	19.9
3 12	11 46.83	+ 6 30.5	2.026	3.016	1.8	19.7
3 22	11 39.65	+ 7 48.1	2.042	3.027	3.5	19.8
4 1	11 33.00	+ 8 56.2	2.087	3.038	7.0	20.0
4 11	11 27.60	+ 9 49.9	2.159	3.048	10.3	20.3
4 21	11 23.91	+10 26.8	2.254	3.059	13.1	20.5

111905 2002 FQ_{31} 3 16.0 253.°78 2.°9/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.28	+ 5 53.5	1.775	2.620	13.6	20.4
2 21	12 3.54	+ 6 58.6	1.684	2.603	10.0	20.2
3 2	11 56.46	+ 8 14.8	1.618	2.585	6.1	19.9
3 12	11 47.72	+ 9 34.7	1.579	2.567	3.0	19.6
3 22	11 38.29	+10 49.6	1.568	2.548	5.2	19.7
4 1	11 29.30	+11 51.2	1.584	2.528	9.4	19.9
4 11	11 21.85	+12 33.8	1.626	2.508	13.5	20.1
4 21	11 16.65	+12 54.9	1.688	2.488	17.1	20.3

208329 2001 QT_{42} 3 16.0 149.°65 4.°0/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.50	+13 24.1	2.740	3.584	9.4	20.8
2 21	11 59.84	+14 43.4	2.678	3.593	6.9	20.6
3 2	11 53.78	+16 3.6	2.644	3.601	4.7	20.5
3 12	11 46.85	+17 18.7	2.639	3.609	4.0	20.5
3 22	11 39.67	+18 23.3	2.664	3.616	5.4	20.6
4 1	11 32.92	+19 13.1	2.718	3.623	7.7	20.7
4 11	11 27.19	+19 45.9	2.798	3.629	10.1	20.9
4 21	11 22.91	+20 1.5	2.899	3.635	12.1	21.0

147688 2004 PD_{70} 3 16.0 304.°45 5.°3/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.17	+11 3.5	1.579	2.443	14.0	19.3
2 21	12 1.51	+12 25.7	1.494	2.421	10.4	19.1
3 2	11 55.36	+13 55.9	1.432	2.398	6.9	18.8
3 12	11 47.42	+15 24.0	1.397	2.376	5.4	18.6
3 22	11 38.73	+16 39.6	1.388	2.354	7.7	18.7
4 1	11 30.53	+17 33.8	1.403	2.332	11.7	18.9
4 11	11 23.99	+18 1.3	1.442	2.311	15.7	19.1
4 21	11 19.89	+18 1.5	1.498	2.290	19.3	19.3

337923 2001 XN_{226} 3 16.0 72.°78 4.°0/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.82	−13 18.0	2.297	3.062	13.5	21.0
2 21	12 1.00	−13 19.2	2.228	3.084	10.8	20.9
3 2	11 54.54	−13 2.1	2.183	3.107	7.9	20.7
3 12	11 47.07	−12 28.2	2.163	3.129	5.1	20.6
3 22	11 39.36	−11 40.9	2.172	3.151	4.0	20.5
4 1	11 32.20	−10 45.3	2.209	3.173	5.7	20.7
4 11	11 26.28	− 9 47.4	2.274	3.195	8.4	20.9
4 21	11 22.08	− 8 52.7	2.364	3.217	11.1	21.1

55777 1993 FC_{17} 3 16.0 317.°15 1.°0/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.15	− 0 38.8	1.337	2.187	16.9	19.3
2 21	12 1.67	+ 0 25.8	1.262	2.182	12.6	19.0
3 2	11 55.49	+ 1 51.5	1.209	2.177	7.5	18.7
3 12	11 47.46	+ 3 30.4	1.181	2.173	2.1	18.4
3 22	11 38.76	+ 5 11.5	1.179	2.169	4.1	18.5
4 1	11 30.77	+ 6 42.6	1.202	2.165	9.5	18.8
4 11	11 24.71	+ 7 54.3	1.249	2.161	14.5	19.1
4 21	11 21.33	+ 8 41.6	1.315	2.157	18.7	19.3

382152 2011 UW_{404} 3 16.0 243.°23 4.°5/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.87	−14 14.4	2.570	3.322	12.5	20.7
2 21	12 1.09	−14 35.7	2.473	3.319	10.3	20.5
3 2	11 54.67	−14 40.9	2.400	3.315	7.8	20.4
3 12	11 47.15	−14 30.0	2.353	3.311	5.4	20.2
3 22	11 39.21	−14 4.8	2.335	3.307	4.5	20.1
4 1	11 31.60	−13 28.7	2.345	3.303	5.8	20.2
4 11	11 25.05	−12 46.6	2.383	3.299	8.3	20.4
4 21	11 20.09	−12 3.8	2.445	3.295	10.8	20.5

87738 2000 SG_{61} 3 16.0 200.°75 1.°7/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.18	+ 4 14.0	2.046	2.882	12.4	19.9
2 21	12 2.28	+ 4 58.1	1.966	2.880	9.1	19.7
3 2	11 55.47	+ 5 51.0	1.912	2.878	5.4	19.4
3 12	11 47.39	+ 6 47.3	1.885	2.875	2.0	19.2
3 22	11 38.89	+ 7 40.7	1.887	2.873	3.7	19.3
4 1	11 30.90	+ 8 25.2	1.918	2.869	7.5	19.5
4 11	11 24.27	+ 8 56.5	1.975	2.866	11.1	19.8
4 21	11 19.56	+ 9 12.5	2.054	2.862	14.2	20.0

317521 2002 TM_{148} 3 16.0 258.°91 7.°1/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.97	−17 11.7	1.862	2.613	16.7	21.0
2 21	12 4.93	−17 54.7	1.759	2.598	14.1	20.8
3 2	11 57.41	−18 15.2	1.677	2.582	11.1	20.6
3 12	11 48.05	−18 11.1	1.618	2.566	8.3	20.4
3 22	11 37.82	−17 42.4	1.585	2.549	7.1	20.3
4 1	11 27.92	−16 53.3	1.578	2.533	8.5	20.3
4 11	11 19.52	−15 51.2	1.598	2.516	11.5	20.4
4 21	11 13.46	−14 45.0	1.640	2.498	14.8	20.6

114784 2003 MF_{6} 3 16.0 184.°72 1.°1/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.38	− 4 22.5	2.123	2.927	13.2	20.8
2 21	12 3.87	− 3 53.0	2.036	2.928	10.0	20.6
3 2	11 56.42	− 3 8.5	1.973	2.928	6.4	20.4
3 12	11 47.67	− 2 12.5	1.938	2.927	2.4	20.1
3 22	11 38.48	− 1 10.2	1.933	2.925	2.3	20.1
4 1	11 29.77	− 0 7.8	1.957	2.922	6.3	20.4
4 11	11 22.41	+ 0 48.4	2.010	2.918	10.0	20.6
4 21	11 16.97	+ 1 33.9	2.086	2.914	13.3	20.8

48294 2002 JG_{131} 3 16.0 126.°03 0.°7/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.87	− 0 16.6	1.761	2.592	14.3	19.8
2 21	12 2.96	+ 0 41.5	1.694	2.604	10.6	19.6
3 2	11 55.91	+ 1 54.3	1.650	2.615	6.3	19.4
3 12	11 47.53	+ 3 15.1	1.634	2.625	1.7	19.1
3 22	11 38.77	+ 4 36.0	1.646	2.636	3.2	19.2
4 1	11 30.70	+ 5 48.8	1.686	2.645	7.6	19.5
4 11	11 24.24	+ 6 47.2	1.753	2.655	11.6	19.7
4 21	11 19.94	+ 7 27.8	1.841	2.663	15.0	20.0

192909 1999 XD_{227} 3 16.0 98.°78 0.°3/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.91	− 1 33.3	2.157	2.975	12.5	20.6
2 21	12 1.86	− 1 3.2	2.090	2.992	9.3	20.4
3 2	11 55.09	− 0 21.4	2.049	3.009	5.7	20.2
3 12	11 47.26	+ 0 28.0	2.035	3.025	1.8	20.0
3 22	11 39.18	+ 1 19.8	2.050	3.042	2.3	20.0
4 1	11 31.68	+ 2 8.4	2.095	3.058	6.1	20.3
4 11	11 25.50	+ 2 49.1	2.167	3.074	9.5	20.5
4 21	11 21.12	+ 3 18.7	2.262	3.089	12.4	20.8

68001 2000 XS_{33} 3 16.0 205.°77 2.°6/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.29	+ 6 47.8	1.852	2.691	13.4	19.1
2 21	12 5.55	+ 7 27.7	1.772	2.687	9.8	18.8
3 2	11 57.55	+ 8 14.7	1.716	2.682	5.9	18.6
3 12	11 48.03	+ 9 2.5	1.689	2.677	2.7	18.4
3 22	11 38.00	+ 9 44.4	1.690	2.671	4.6	18.5
4 1	11 28.57	+10 14.5	1.719	2.665	8.6	18.7
4 11	11 20.73	+10 28.9	1.774	2.658	12.4	18.9
4 21	11 15.13	+10 26.4	1.850	2.651	15.7	19.1

280761 2005 QH_{166} 3 16.0 129.°28 0.°6/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.36	− 7 38.8	1.693	2.500	15.9	21.0
2 21	12 3.38	− 5 50.0	1.622	2.516	12.0	20.8
3 2	11 56.19	− 3 35.5	1.575	2.532	7.4	20.5
3 12	11 47.61	− 1 3.7	1.557	2.547	2.5	20.3
3 22	11 38.67	+ 1 33.5	1.569	2.561	2.8	20.3
4 1	11 30.48	+ 4 3.1	1.612	2.574	7.6	20.6
4 11	11 23.98	+ 6 14.0	1.682	2.587	11.9	20.9
4 21	11 19.74	+ 7 59.9	1.776	2.598	15.5	21.2

251572 2009 FN_{1} 3 16.1 283.°46 1.°3/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.31	+ 3 25.1	1.546	2.389	15.3	20.6
2 21	12 5.34	+ 3 44.0	1.459	2.375	11.4	20.3
3 2	11 57.69	+ 4 14.0	1.394	2.361	6.9	20.0
3 12	11 48.15	+ 4 49.8	1.356	2.347	2.1	19.7
3 22	11 37.82	+ 5 24.5	1.344	2.333	3.9	19.7
4 1	11 28.07	+ 5 51.4	1.359	2.319	9.0	20.0
4 11	11 20.11	+ 6 4.9	1.398	2.305	13.6	20.2
4 21	11 14.77	+ 6 2.4	1.458	2.291	17.7	20.4

270446 2002 CD_{156} 3 16.1 331.°00 0.°4/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.49	+ 2 25.9	1.568	2.410	15.2	19.9
2 21	12 4.63	+ 2 20.5	1.484	2.399	11.4	19.7
3 2	11 57.20	+ 2 25.1	1.423	2.389	6.9	19.4
3 12	11 47.98	+ 2 35.6	1.388	2.379	2.0	19.0
3 22	11 38.08	+ 2 47.1	1.379	2.370	3.2	19.1
4 1	11 28.79	+ 2 54.2	1.397	2.362	8.2	19.4
4 11	11 21.26	+ 2 52.5	1.440	2.354	12.8	19.6
4 21	11 16.26	+ 2 39.3	1.504	2.347	16.7	19.8

199514 2006 DW_{134} 3 16.1 95.°34 0.°4/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.86	− 1 1.1	1.943	2.767	13.5	20.5
2 21	12 2.85	− 0 47.5	1.866	2.770	10.1	20.3
3 2	11 55.84	− 0 21.9	1.813	2.774	6.2	20.1
3 12	11 47.53	+ 0 12.1	1.786	2.777	2.0	19.8
3 22	11 38.80	+ 0 49.6	1.789	2.781	2.5	19.9
4 1	11 30.65	+ 1 25.0	1.819	2.784	6.6	20.1
4 11	11 23.94	+ 1 53.3	1.876	2.787	10.5	20.4
4 21	11 19.24	+ 2 11.2	1.956	2.791	13.8	20.6

417559 2006 UL_{112} 3 16.1 156.°87 0.°8/16.9 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.17	− 3 4.7	2.094	2.904	13.1	23.1
2 21	12 3.68	− 2 38.6	2.016	2.912	9.9	22.9
3 2	11 56.28	− 1 58.9	1.962	2.919	6.2	22.7
3 12	11 47.65	− 1 9.3	1.935	2.925	2.2	22.4
3 22	11 38.64	− 0 15.0	1.939	2.931	2.3	22.4
4 1	11 30.19	+ 0 38.0	1.972	2.936	6.3	22.7
4 11	11 23.11	+ 1 24.2	2.032	2.940	9.9	22.9
4 21	11 17.97	+ 1 59.7	2.115	2.944	13.1	23.1

496156 2010 VO_{11} 3 16.1 92.°74 15.°7/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.24	−46 21.7	2.167	2.660	20.5	20.8
2 21	12 10.87	−48 21.0	2.101	2.678	19.5	20.7
3 2	12 1.27	−49 48.0	2.048	2.696	18.4	20.7
3 12	11 49.25	−50 35.9	2.009	2.713	17.3	20.6
3 22	11 36.16	−50 40.5	1.986	2.731	16.3	20.6
4 1	11 23.70	−50 2.4	1.981	2.748	15.8	20.5
4 11	11 13.42	−48 47.9	1.994	2.764	15.7	20.6
4 21	11 6.31	−47 7.0	2.026	2.781	16.1	20.6

284641 2007 VM_{325} 3 16.1 215.°84 3.°9/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.54	−13 9.7	2.511	3.272	12.6	21.3
2 21	12 0.88	−13 15.0	2.414	3.267	10.2	21.1
3 2	11 54.57	−13 3.5	2.340	3.263	7.5	21.0
3 12	11 47.16	−12 35.9	2.293	3.258	5.0	20.8
3 22	11 39.32	−11 54.6	2.274	3.252	4.0	20.7
4 1	11 31.84	−11 3.9	2.284	3.247	5.6	20.8
4 11	11 25.42	−10 9.3	2.322	3.241	8.3	21.0
4 21	11 20.61	− 9 16.1	2.385	3.235	11.1	21.1

19304 1996 TQ_{1} 3 16.1 141.°72 0.°2/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.59	− 2 0.3	1.953	2.770	13.7	19.6
2 21	12 4.05	− 1 20.3	1.881	2.782	10.2	19.4
3 2	11 56.52	− 0 26.1	1.834	2.794	6.2	19.1
3 12	11 47.72	+ 0 37.3	1.814	2.805	1.9	18.9
3 22	11 38.56	+ 1 43.5	1.824	2.815	2.5	18.9
4 1	11 30.05	+ 2 45.8	1.863	2.825	6.8	19.2
4 11	11 23.04	+ 3 38.1	1.929	2.834	10.6	19.5
4 21	11 18.07	+ 4 16.8	2.018	2.842	13.8	19.7

457151 2008 FE_{133} 3 16.1 4.°97 3.°7/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.51	+ 7 53.2	1.408	2.271	15.4	20.5
2 21	12 2.48	+ 8 44.3	1.344	2.271	11.3	20.2
3 2	11 55.87	+ 9 43.4	1.302	2.271	6.9	20.0
3 12	11 47.57	+10 41.8	1.285	2.272	3.8	19.8
3 22	11 38.77	+11 30.4	1.294	2.274	6.0	19.9
4 1	11 30.77	+12 1.9	1.328	2.276	10.4	20.2
4 11	11 24.69	+12 12.1	1.385	2.279	14.6	20.4
4 21	11 21.18	+12 0.6	1.460	2.283	18.2	20.7

310475 2000 SV_{167} 3 16.1 197.°04 3.°7/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.82	−10 8.9	1.857	2.644	15.4	20.9
2 21	12 4.55	−10 9.9	1.767	2.642	12.3	20.7
3 2	11 57.01	− 9 50.7	1.700	2.639	8.6	20.4
3 12	11 47.92	− 9 12.6	1.659	2.636	5.0	20.2
3 22	11 38.22	− 8 19.6	1.646	2.632	3.9	20.1
4 1	11 29.04	− 7 17.9	1.660	2.628	6.9	20.3
4 11	11 21.41	− 6 15.4	1.702	2.623	10.7	20.5
4 21	11 15.99	− 5 19.0	1.766	2.617	14.3	20.7

12377 1994 PP 3 16.1 182.°68 9.°7/28.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.04	−35 28.1	3.021	3.584	14.1	18.9
2 21	12 8.08	−36 43.9	2.921	3.585	13.0	18.8
3 2	11 59.06	−37 38.5	2.840	3.585	11.8	18.7
3 12	11 48.52	−38 8.0	2.781	3.585	10.6	18.6
3 22	11 37.28	−38 10.5	2.746	3.583	9.9	18.5
4 1	11 26.29	−37 46.9	2.737	3.581	9.8	18.5
4 11	11 16.47	−37 1.4	2.752	3.579	10.3	18.5
4 21	11 8.53	−36 0.2	2.791	3.576	11.4	18.6

67324 2000 HC_{69} 3 16.1 302.°75 2.°2/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.07	+ 5 37.3	2.039	2.882	12.1	19.7
2 21	12 0.78	+ 6 21.8	1.957	2.875	8.9	19.5
3 2	11 54.61	+ 7 14.2	1.900	2.868	5.3	19.2
3 12	11 47.18	+ 8 8.8	1.871	2.861	2.3	19.0
3 22	11 39.32	+ 8 59.4	1.871	2.854	4.0	19.1
4 1	11 31.93	+ 9 40.1	1.898	2.847	7.7	19.3
4 11	11 25.85	+10 6.8	1.951	2.840	11.3	19.5
4 21	11 21.64	+10 17.5	2.025	2.834	14.3	19.7

518899 2010 FO_{61} 3 16.1 265.°06 0.°3/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.47	+ 0 22.3	2.375	3.192	11.6	21.1
2 21	12 3.06	+ 0 20.4	2.284	3.185	8.7	20.9
3 2	11 55.89	+ 0 26.9	2.218	3.178	5.3	20.7
3 12	11 47.56	+ 0 38.9	2.181	3.171	1.7	20.4
3 22	11 38.80	+ 0 53.4	2.173	3.165	2.2	20.4
4 1	11 30.44	+ 1 6.5	2.195	3.158	5.8	20.7
4 11	11 23.26	+ 1 14.8	2.245	3.151	9.2	20.9
4 21	11 17.79	+ 1 15.8	2.319	3.144	12.2	21.0

259241 2003 BG_{64} 3 16.1 344.°53 3.°5/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.28	+ 6 2.3	1.373	2.239	15.5	19.8
2 21	12 0.22	+ 7 10.8	1.302	2.231	11.4	19.5
3 2	11 54.60	+ 8 31.7	1.254	2.224	6.9	19.2
3 12	11 47.24	+ 9 55.6	1.230	2.218	3.6	19.0
3 22	11 39.27	+11 11.6	1.232	2.213	6.0	19.1
4 1	11 31.99	+12 10.3	1.258	2.208	10.7	19.4
4 11	11 26.55	+12 45.3	1.307	2.204	15.1	19.6
4 21	11 23.67	+12 55.0	1.374	2.202	18.9	19.9

160716 2000 QG_{109} 3 16.1 186.°09 2.°5/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.28	+ 5 46.3	1.824	2.664	13.5	21.1
2 21	12 4.80	+ 6 39.5	1.749	2.665	9.9	20.9
3 2	11 57.10	+ 7 41.3	1.698	2.664	5.9	20.6
3 12	11 47.93	+ 8 45.1	1.674	2.663	2.7	20.4
3 22	11 38.28	+ 9 43.2	1.680	2.661	4.6	20.6
4 1	11 29.26	+10 29.1	1.713	2.659	8.6	20.8
4 11	11 21.83	+10 58.2	1.772	2.656	12.5	21.0
4 21	11 16.63	+11 8.8	1.852	2.653	15.7	21.2

192732 1999 TF_{192} 3 16.1 146.°16 1.°8/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.66	− 6 29.9	2.607	3.394	11.5	21.2
2 21	12 2.23	− 6 17.2	2.526	3.406	8.8	21.1
3 2	11 55.27	− 5 51.8	2.471	3.417	5.8	20.9
3 12	11 47.35	− 5 16.1	2.443	3.427	2.8	20.7
3 22	11 39.15	− 4 33.4	2.446	3.436	2.2	20.7
4 1	11 31.39	− 3 48.3	2.480	3.445	5.0	20.9
4 11	11 24.74	− 3 5.3	2.542	3.454	8.0	21.1
4 21	11 19.64	− 2 28.3	2.629	3.461	10.7	21.3

208613 2002 CK_{265} 3 16.1 83.°68 3.°3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.25	+ 5 36.2	1.456	2.309	15.6	20.3
2 21	12 4.23	+ 6 53.5	1.406	2.329	11.3	20.1
3 2	11 56.76	+ 8 20.6	1.380	2.348	6.7	19.9
3 12	11 47.80	+ 9 47.7	1.380	2.368	3.3	19.7
3 22	11 38.57	+11 4.7	1.407	2.387	5.6	19.9
4 1	11 30.29	+12 3.5	1.460	2.406	9.9	20.2
4 11	11 23.98	+12 39.6	1.537	2.424	13.8	20.4
4 21	11 20.17	+12 52.6	1.634	2.443	17.2	20.7

386238 2008 AC_{37} 3 16.1 325.°92 11.°6/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.43	−30 41.7	2.211	2.853	17.1	20.3
2 21	12 5.27	−32 23.3	2.113	2.843	15.6	20.1
3 2	11 57.66	−33 41.7	2.033	2.833	14.0	20.0
3 12	11 48.19	−34 31.7	1.974	2.823	12.6	19.9
3 22	11 37.77	−34 50.1	1.937	2.813	11.7	19.8
4 1	11 27.56	−34 37.2	1.925	2.804	11.7	19.8
4 11	11 18.75	−33 57.9	1.935	2.796	12.7	19.8
4 21	11 12.19	−33 0.1	1.966	2.788	14.2	19.9

253038 2002 SD_{23} 3 16.1 204.°87 0.°4/16.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.78	− 3 9.4	1.972	2.789	13.5	21.2
2 21	12 2.13	− 2 23.7	1.885	2.785	10.2	21.0
3 2	11 55.47	− 1 21.9	1.822	2.781	6.3	20.7
3 12	11 47.47	− 0 8.3	1.786	2.777	2.1	20.4
3 22	11 38.98	+ 1 10.3	1.780	2.772	2.5	20.4
4 1	11 30.97	+ 2 26.5	1.802	2.766	6.8	20.7
4 11	11 24.33	+ 3 33.3	1.851	2.760	10.7	20.9
4 21	11 19.67	+ 4 25.9	1.924	2.753	14.2	21.1

199190 2005 YF_{273} 3 16.1 95.°57 2.°5/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.55	+ 3 30.8	1.469	2.317	15.7	21.0
2 21	12 4.45	+ 4 48.6	1.417	2.336	11.4	20.8
3 2	11 56.91	+ 6 18.9	1.387	2.356	6.7	20.6
3 12	11 47.86	+ 7 52.1	1.384	2.374	2.7	20.4
3 22	11 38.52	+ 9 17.9	1.409	2.393	5.0	20.6
4 1	11 30.11	+10 27.3	1.460	2.410	9.5	20.9
4 11	11 23.65	+11 15.0	1.536	2.428	13.6	21.1
4 21	11 19.69	+11 39.5	1.631	2.445	17.0	21.4

461979 2006 VH_{71} 3 16.1 134.°00 2.°3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.69	+ 5 29.6	1.798	2.641	13.5	22.1
2 21	12 3.58	+ 6 16.9	1.729	2.646	9.9	21.8
3 2	11 56.33	+ 7 12.7	1.685	2.652	5.9	21.6
3 12	11 47.71	+ 8 10.2	1.668	2.657	2.5	21.4
3 22	11 38.69	+ 9 2.3	1.679	2.662	4.4	21.5
4 1	11 30.34	+ 9 42.9	1.717	2.666	8.4	21.8
4 11	11 23.58	+10 7.6	1.781	2.671	12.1	22.0
4 21	11 19.00	+10 14.9	1.866	2.675	15.3	22.2

423243 2004 TK_{88} 3 16.1 69.°18 2.°7/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.28	+ 7 42.7	1.783	2.627	13.5	20.9
2 21	12 4.62	+ 8 14.0	1.727	2.645	9.9	20.7
3 2	11 56.85	+ 8 50.3	1.696	2.662	5.9	20.5
3 12	11 47.83	+ 9 25.3	1.692	2.680	2.8	20.4
3 22	11 38.57	+ 9 53.0	1.716	2.698	4.6	20.5
4 1	11 30.13	+10 8.8	1.768	2.716	8.3	20.8
4 11	11 23.37	+10 10.0	1.845	2.733	11.9	21.0
4 21	11 18.81	+ 9 56.2	1.944	2.751	14.9	21.3

496496 2014 TU_{74} 3 16.1 131.°70 2.°3/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.40	− 9 41.4	2.252	3.034	13.2	22.7
2 21	12 2.23	− 8 58.2	2.177	3.051	10.3	22.6
3 2	11 55.34	− 7 56.6	2.126	3.068	6.9	22.4
3 12	11 47.40	− 6 40.3	2.103	3.084	3.5	22.2
3 22	11 39.18	− 5 14.7	2.109	3.099	2.6	22.2
4 1	11 31.52	− 3 46.7	2.146	3.113	5.6	22.4
4 11	11 25.14	− 2 23.4	2.211	3.127	8.9	22.6
4 21	11 20.52	− 1 10.2	2.302	3.140	11.9	22.8

35402 1997 YK_3 3 16.1 152.°56 1.°9/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.76	− 5 34.6	1.944	2.744	14.4	19.3
2 21	12 5.75	− 5 23.7	1.867	2.754	11.0	19.1
3 2	11 57.61	− 4 56.7	1.812	2.763	7.2	18.9
3 12	11 48.09	− 4 16.8	1.786	2.771	3.2	18.7
3 22	11 38.16	− 3 28.5	1.788	2.779	2.7	18.7
4 1	11 28.85	− 2 38.1	1.819	2.785	6.5	18.9
4 11	11 21.09	− 1 51.7	1.878	2.791	10.3	19.2
4 21	11 15.47	− 1 14.3	1.960	2.796	13.7	19.4

67311 2000 HF_{12} 3 16.1 214.°60 3.°5/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.47	+10 9.2	1.995	2.838	12.4	19.5
2 21	12 4.82	+10 51.3	1.917	2.833	9.2	19.3
3 2	11 57.08	+11 37.1	1.864	2.827	5.8	19.1
3 12	11 47.95	+12 20.1	1.838	2.822	3.6	18.9
3 22	11 38.36	+12 54.2	1.842	2.816	5.3	19.0
4 1	11 29.34	+13 14.3	1.873	2.809	8.8	19.2
4 11	11 21.80	+13 17.7	1.930	2.802	12.2	19.4
4 21	11 16.36	+13 4.0	2.009	2.795	15.2	19.6

209560 2004 XC_7 3 16.1 83.°07 0.°9/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.36	+ 1 25.3	1.477	2.317	16.1	20.5
2 21	12 5.78	+ 1 57.6	1.422	2.336	11.9	20.3
3 2	11 57.71	+ 2 42.9	1.389	2.355	7.0	20.1
3 12	11 48.11	+ 3 34.8	1.382	2.373	2.0	19.8
3 22	11 38.21	+ 4 25.5	1.402	2.392	3.5	20.0
4 1	11 29.25	+ 5 7.8	1.449	2.410	8.4	20.3
4 11	11 22.30	+ 5 36.2	1.521	2.428	12.7	20.6
4 21	11 17.91	+ 5 48.4	1.613	2.446	16.3	20.9

390430 2013 YZ_{49} 3 16.1 351.°82 3.°4/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.23	+ 8 28.3	1.993	2.846	12.0	20.5
2 21	11 59.44	+ 9 37.6	1.921	2.844	8.7	20.3
3 2	11 53.81	+10 53.2	1.875	2.842	5.4	20.1
3 12	11 46.98	+12 7.8	1.856	2.841	3.4	19.9
3 22	11 39.78	+13 14.2	1.866	2.839	5.3	20.1
4 1	11 33.08	+14 6.0	1.903	2.838	8.7	20.3
4 11	11 27.70	+14 39.3	1.964	2.838	11.9	20.5
4 21	11 24.16	+14 53.1	2.047	2.837	14.8	20.6

297256 1995 SA_{52} 3 16.1 108.°89 2.°6/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 2.41	−10 42.1	2.367	3.150	12.6	20.4
2 21	11 58.59	−10 3.4	2.279	3.152	9.9	20.2
3 2	11 53.20	− 9 6.4	2.216	3.155	6.9	20.0
3 12	11 46.80	− 7 53.7	2.179	3.158	3.8	19.8
3 22	11 40.06	− 6 30.2	2.172	3.160	2.7	19.8
4 1	11 33.74	− 5 2.4	2.194	3.163	5.3	19.9
4 11	11 28.52	− 3 37.0	2.244	3.165	8.5	20.1
4 21	11 24.87	− 2 19.9	2.319	3.168	11.4	20.3

348828 2006 RJ_{59} 3 16.1 163.°73 0.°3/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.54	− 1 43.6	2.919	3.726	9.9	22.4
2 21	11 59.83	− 1 14.6	2.835	3.731	7.4	22.3
3 2	11 53.80	− 0 36.4	2.778	3.736	4.5	22.1
3 12	11 46.95	+ 0 8.0	2.749	3.740	1.5	21.9
3 22	11 39.84	+ 0 54.9	2.752	3.743	1.8	21.9
4 1	11 33.09	+ 1 40.2	2.785	3.747	4.8	22.1
4 11	11 27.25	+ 2 20.2	2.846	3.750	7.6	22.3
4 21	11 22.74	+ 2 52.0	2.933	3.752	10.1	22.5

413815 2006 PO_8 3 16.1 201.°64 0.°4/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.94	− 2 11.8	2.063	2.877	13.1	22.2
2 21	12 3.66	− 1 41.1	1.974	2.873	9.9	22.0
3 2	11 56.39	− 0 56.7	1.909	2.868	6.1	21.8
3 12	11 47.76	− 0 2.3	1.873	2.863	2.0	21.5
3 22	11 38.64	+ 0 56.4	1.865	2.857	2.4	21.5
4 1	11 29.99	+ 1 53.3	1.887	2.850	6.6	21.8
4 11	11 22.69	+ 2 42.3	1.936	2.843	10.4	22.0
4 21	11 17.36	+ 3 19.4	2.009	2.835	13.8	22.2

121184 1999 NH 3 16.1 127.°16 17.°7/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.80	−31 54.4	1.289	1.972	25.8	19.5
2 21	12 12.28	−34 27.9	1.220	1.977	23.7	19.3
3 2	12 2.68	−36 25.7	1.165	1.981	21.3	19.2
3 12	11 49.84	−37 36.1	1.126	1.984	19.3	19.0
3 22	11 35.42	−37 51.4	1.105	1.988	17.9	18.9
4 1	11 21.67	−37 11.7	1.103	1.991	17.8	18.9
4 11	11 10.73	−35 48.1	1.121	1.995	18.9	19.0
4 21	11 3.89	−33 57.2	1.155	1.998	20.8	19.1

492295 2013 YY_{123} 3 16.1 96.°24 1.°5/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.87	− 4 28.8	2.353	3.156	12.1	21.7
2 21	12 1.79	− 4 23.6	2.278	3.168	9.2	21.5
3 2	11 55.08	− 4 6.3	2.227	3.179	5.9	21.3
3 12	11 47.34	− 3 39.4	2.205	3.191	2.6	21.1
3 22	11 39.31	− 3 6.6	2.211	3.202	2.2	21.1
4 1	11 31.77	− 2 32.3	2.247	3.214	5.4	21.3
4 11	11 25.43	− 2 0.9	2.311	3.225	8.6	21.6
4 21	11 20.77	− 1 36.0	2.399	3.236	11.5	21.8

239495 2007 VU_{52} 3 16.1 229.°47 2.°1/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.94	− 8 18.6	2.460	3.250	12.0	20.9
2 21	11 59.72	− 7 52.3	2.363	3.243	9.4	20.7
3 2	11 53.90	− 7 10.2	2.291	3.235	6.3	20.5
3 12	11 47.02	− 6 14.8	2.246	3.228	3.2	20.3
3 22	11 39.73	− 5 10.0	2.230	3.220	2.4	20.3
4 1	11 32.80	− 4 1.3	2.244	3.212	5.3	20.4
4 11	11 26.91	− 2 54.7	2.286	3.204	8.5	20.6
4 21	11 22.59	− 1 55.2	2.353	3.195	11.5	20.8

104927 2000 JU_{23} 3 16.1 300.°12 7.°4/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.16	−18 57.2	1.706	2.462	17.8	19.3
2 21	12 1.46	−19 19.4	1.611	2.451	15.1	19.1
3 2	11 55.36	−19 13.8	1.535	2.440	12.0	18.9
3 12	11 47.53	−18 38.6	1.481	2.429	9.0	18.7
3 22	11 38.95	−17 35.4	1.452	2.419	7.4	18.6
4 1	11 30.81	−16 10.3	1.449	2.408	8.6	18.6
4 11	11 24.27	−14 33.3	1.470	2.398	11.6	18.7
4 21	11 20.09	−12 55.3	1.515	2.388	15.0	18.9

163039 2001 XG_{189} 3 16.1 17.°31 0.°5/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.84	− 1 41.1	1.140	1.996	18.8	20.1
2 21	12 2.44	− 1 20.2	1.079	2.000	14.1	19.9
3 2	11 56.07	− 0 38.7	1.038	2.005	8.7	19.6
3 12	11 47.72	+ 0 17.4	1.019	2.010	2.7	19.2
3 22	11 38.77	+ 1 18.8	1.025	2.017	3.5	19.3
4 1	11 30.77	+ 2 15.4	1.054	2.025	9.3	19.7
4 11	11 25.02	+ 2 58.2	1.106	2.034	14.5	20.0
4 21	11 22.22	+ 3 22.2	1.176	2.043	18.9	20.3

162561 2000 RT_{24} 3 16.1 244.°96 3.°2/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.53	− 7 52.6	1.654	2.460	16.3	20.2
2 21	12 4.66	− 7 55.1	1.563	2.450	12.8	20.0
3 2	11 57.27	− 7 37.5	1.494	2.441	8.8	19.7
3 12	11 48.08	− 7 1.2	1.449	2.431	4.6	19.4
3 22	11 38.15	− 6 10.6	1.432	2.421	3.6	19.3
4 1	11 28.72	− 5 12.7	1.441	2.411	7.5	19.5
4 11	11 20.96	− 4 15.7	1.476	2.400	11.9	19.8
4 21	11 15.65	− 3 26.7	1.534	2.389	15.9	20.0

150164 1997 TP_5 3 16.1 161.°94 1.°3/14.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.77	+ 3 22.5	2.360	3.185	11.3	21.9
2 21	12 3.19	+ 4 4.3	2.284	3.192	8.3	21.7
3 2	11 55.93	+ 4 54.0	2.234	3.199	4.9	21.5
3 12	11 47.60	+ 5 46.8	2.214	3.204	1.6	21.3
3 22	11 38.95	+ 6 37.6	2.223	3.209	3.0	21.4
4 1	11 30.80	+ 7 21.3	2.263	3.214	6.5	21.6
4 11	11 23.88	+ 7 54.0	2.330	3.218	9.7	21.8
4 21	11 18.69	+ 8 13.7	2.420	3.220	12.5	22.0

266675 2009 BD_{94} 3 16.1 82.°87 2.°7/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.04	+ 6 30.5	2.173	3.018	11.4	21.0
2 21	11 59.80	+ 7 45.3	2.113	3.032	8.3	20.8
3 2	11 53.91	+ 9 6.7	2.079	3.045	5.0	20.6
3 12	11 47.00	+10 27.8	2.073	3.059	2.7	20.5
3 22	11 39.84	+11 41.9	2.097	3.073	4.5	20.6
4 1	11 33.23	+12 43.0	2.149	3.087	7.7	20.9
4 11	11 27.86	+13 27.4	2.227	3.101	10.7	21.1
4 21	11 24.19	+13 53.7	2.327	3.114	13.3	21.3

224487 2005 VZ_{123} 3 16.1 141.°13 1.°1/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.16	+ 2 41.5	2.037	2.868	12.6	21.6
2 21	12 2.99	+ 3 17.0	1.964	2.875	9.3	21.4
3 2	11 55.91	+ 4 1.8	1.916	2.881	5.5	21.2
3 12	11 47.61	+ 4 51.0	1.896	2.887	1.7	20.9
3 22	11 38.96	+ 5 38.7	1.905	2.893	3.1	21.0
4 1	11 30.89	+ 6 19.4	1.942	2.898	7.0	21.3
4 11	11 24.22	+ 6 48.7	2.006	2.903	10.6	21.5
4 21	11 19.47	+ 7 4.4	2.093	2.908	13.7	21.7

329355 2001 SZ_{221} 3 16.1 80.°73 1.°2/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.77	+ 1 41.1	1.780	2.614	14.0	21.2
2 21	12 3.46	+ 2 36.0	1.729	2.641	10.2	21.1
3 2	11 56.14	+ 3 42.0	1.703	2.668	6.0	20.9
3 12	11 47.66	+ 4 52.3	1.704	2.695	1.8	20.6
3 22	11 38.98	+ 5 59.5	1.733	2.721	3.4	20.8
4 1	11 31.12	+ 6 56.8	1.791	2.747	7.5	21.1
4 11	11 24.90	+ 7 39.3	1.875	2.772	11.2	21.4
4 21	11 20.78	+ 8 5.0	1.980	2.797	14.3	21.6

522122 2016 AB_{242} 3 16.1 338.°57 0.°6/16.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.27	− 1 36.0	1.280	2.128	17.6	21.2
2 21	12 2.70	− 1 23.2	1.203	2.120	13.3	20.9
3 2	11 56.27	− 0 51.5	1.147	2.112	8.3	20.6
3 12	11 47.83	− 0 5.8	1.114	2.105	2.7	20.2
3 22	11 38.62	+ 0 46.6	1.107	2.099	3.3	20.3
4 1	11 30.12	+ 1 36.6	1.124	2.094	8.9	20.6
4 11	11 23.64	+ 2 15.7	1.164	2.090	14.1	20.8
4 21	11 20.00	+ 2 38.6	1.223	2.086	18.6	21.1

196543 2003 PS_1 3 16.1 191.°76 1.°6/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.58	− 5 34.0	2.625	3.417	11.3	21.5
2 21	12 2.28	− 5 23.5	2.532	3.415	8.7	21.3
3 2	11 55.40	− 5 0.7	2.464	3.412	5.7	21.1
3 12	11 47.48	− 4 28.1	2.425	3.409	2.6	20.9
3 22	11 39.18	− 3 48.8	2.415	3.406	2.1	20.8
4 1	11 31.25	− 3 7.1	2.436	3.402	5.1	21.0
4 11	11 24.37	− 2 27.5	2.486	3.397	8.2	21.2
4 21	11 19.04	− 1 53.9	2.561	3.392	11.0	21.4

4227 Kaali 3 16.1 14.°86 1.°7/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.70	+ 2 1.5	1.171	2.035	17.7	16.3
2 21	12 1.52	+ 2 48.2	1.111	2.039	13.1	16.0
3 2	11 55.48	+ 3 51.7	1.072	2.043	7.7	15.8
3 12	11 47.56	+ 5 3.5	1.057	2.049	2.4	15.4
3 22	11 39.10	+ 6 12.9	1.066	2.055	4.6	15.6
4 1	11 31.55	+ 7 9.5	1.099	2.062	10.1	15.9
4 11	11 26.16	+ 7 46.0	1.153	2.071	15.0	16.2
4 21	11 23.60	+ 7 59.6	1.227	2.080	19.1	16.5

30553 2001 OV_{56} 3 16.1 84.°66 0.°8/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.13	− 2 24.4	1.708	2.532	15.0	18.7
2 21	12 3.97	− 2 7.0	1.642	2.546	11.3	18.5
3 2	11 56.60	− 1 34.6	1.599	2.559	7.0	18.3
3 12	11 47.84	− 0 51.7	1.582	2.572	2.4	18.0
3 22	11 38.71	− 0 4.0	1.593	2.585	2.6	18.1
4 1	11 30.31	+ 0 41.7	1.632	2.598	7.1	18.4
4 11	11 23.60	+ 1 19.4	1.696	2.611	11.2	18.6
4 21	11 19.14	+ 1 45.1	1.783	2.624	14.6	18.9

372968 2011 BP_{152} 3 16.1 47.°58 1.°5/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.37	− 3 28.3	1.704	2.526	15.1	21.1
2 21	12 3.49	− 3 26.7	1.632	2.533	11.5	20.9
3 2	11 56.37	− 3 9.9	1.582	2.540	7.3	20.7
3 12	11 47.79	− 2 41.0	1.559	2.547	3.0	20.4
3 22	11 38.76	− 2 5.0	1.562	2.554	2.7	20.4
4 1	11 30.41	− 1 28.0	1.594	2.562	7.0	20.7
4 11	11 23.70	− 0 56.2	1.650	2.570	11.1	20.9
4 21	11 19.25	− 0 33.9	1.729	2.578	14.6	21.2

195172 2002 CN_{242} 3 16.1 318.°81 6.°3/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.40	−13 43.2	1.723	2.500	16.8	19.8
2 21	12 3.86	−14 32.8	1.629	2.489	13.9	19.5
3 2	11 56.83	−15 1.9	1.555	2.477	10.6	19.3
3 12	11 48.00	−15 8.7	1.506	2.467	7.6	19.1
3 22	11 38.37	−14 53.9	1.482	2.456	6.3	19.0
4 1	11 29.15	−14 21.6	1.485	2.446	8.2	19.1
4 11	11 21.51	−13 39.1	1.512	2.436	11.6	19.2
4 21	11 16.28	−12 54.1	1.561	2.427	15.1	19.4

88134 2000 WZ_{160} 3 16.1 160.°89 5.°5/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.29	+17 45.5	2.397	3.241	10.5	20.0
2 21	12 2.88	+19 2.2	2.338	3.247	8.1	19.9
3 2	11 55.76	+20 16.6	2.305	3.253	6.0	19.7
3 12	11 47.58	+21 21.5	2.301	3.259	5.6	19.7
3 22	11 39.11	+22 11.2	2.326	3.263	7.1	19.8
4 1	11 31.19	+22 41.6	2.379	3.267	9.4	20.0
4 11	11 24.54	+22 51.5	2.455	3.271	11.8	20.1
4 21	11 19.64	+22 42.0	2.553	3.274	13.9	20.3

373960 2003 WN_{110} 3 16.1 65.°27 3.°7/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.16	−11 23.3	1.951	2.736	14.9	20.7
2 21	12 1.56	−11 16.4	1.885	2.756	11.8	20.5
3 2	11 55.06	−10 49.4	1.840	2.776	8.3	20.3
3 12	11 47.39	−10 4.5	1.822	2.796	5.0	20.2
3 22	11 39.42	− 9 6.4	1.831	2.816	3.8	20.1
4 1	11 32.09	− 8 1.3	1.868	2.836	6.2	20.3
4 11	11 26.21	− 6 56.5	1.932	2.856	9.4	20.5
4 21	11 22.28	− 5 58.2	2.020	2.876	12.5	20.8

507310 2011 QF_9 3 16.1 208.°38 1.°0/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.06	+ 1 24.4	3.040	3.860	9.2	21.9
2 21	11 58.79	+ 2 37.9	2.947	3.853	6.7	21.7
3 2	11 53.23	+ 4 0.8	2.882	3.846	4.0	21.5
3 12	11 46.85	+ 5 28.4	2.847	3.838	1.3	21.3
3 22	11 40.16	+ 6 55.5	2.845	3.830	2.6	21.4
4 1	11 33.75	+ 8 17.1	2.873	3.821	5.5	21.5
4 11	11 28.16	+ 9 28.5	2.931	3.812	8.2	21.7
4 21	11 23.83	+10 26.9	3.013	3.802	10.5	21.9

412717 2014 OA_{307} 3 16.1 195.°04 4.°3/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.41	+ 9 49.9	2.017	2.862	12.2	21.3
2 21	12 3.33	+11 28.6	1.942	2.860	9.0	21.1
3 2	11 56.22	+13 13.9	1.894	2.857	5.8	20.9
3 12	11 47.76	+14 57.0	1.874	2.853	4.3	20.8
3 22	11 38.83	+16 28.9	1.885	2.848	6.3	20.9
4 1	11 30.42	+17 42.3	1.923	2.842	9.6	21.1
4 11	11 23.41	+18 33.0	1.986	2.835	12.9	21.3
4 21	11 18.41	+19 0.2	2.071	2.828	15.7	21.5

319873 2006 WC_{101} 3 16.1 104.°00 1.°3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.56	+ 3 14.1	1.877	2.709	13.5	21.1
2 21	12 4.78	+ 3 50.2	1.817	2.728	9.9	20.9
3 2	11 56.97	+ 4 35.4	1.782	2.747	5.8	20.7
3 12	11 47.95	+ 5 23.9	1.774	2.765	1.8	20.5
3 22	11 38.66	+ 6 9.6	1.796	2.783	3.4	20.6
4 1	11 30.13	+ 6 46.9	1.846	2.801	7.4	20.9
4 11	11 23.19	+ 7 11.6	1.922	2.818	11.1	21.2
4 21	11 18.37	+ 7 21.9	2.020	2.834	14.2	21.4

423440 2005 RU_{44} 3 16.1 162.°03 4.°3/21.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.65	−15 8.5	2.567	3.309	12.8	23.0
2 21	12 3.12	−15 11.5	2.478	3.317	10.5	22.8
3 2	11 55.93	−14 56.6	2.412	3.324	7.8	22.7
3 12	11 47.66	−14 24.6	2.372	3.330	5.4	22.5
3 22	11 39.02	−13 37.9	2.362	3.336	4.3	22.5
4 1	11 30.81	−12 40.9	2.381	3.340	5.7	22.6
4 11	11 23.74	−11 39.4	2.429	3.344	8.2	22.7
4 21	11 18.32	−10 39.1	2.503	3.347	10.8	22.9

234539 2001 UO_{217} 3 16.1 263.°06 4.°7/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.33	+10 10.7	1.494	2.350	15.1	20.6
2 21	12 6.22	+11 6.5	1.414	2.337	11.3	20.3
3 2	11 58.32	+12 8.8	1.357	2.323	7.2	20.0
3 12	11 48.46	+13 8.5	1.326	2.310	4.7	19.8
3 22	11 37.83	+13 56.2	1.322	2.296	6.9	19.9
4 1	11 27.85	+14 24.2	1.343	2.281	11.2	20.1
4 11	11 19.80	+14 28.8	1.387	2.267	15.5	20.3
4 21	11 14.49	+14 9.7	1.450	2.253	19.3	20.5

465939 2011 AU_{22} 3 16.1 33.°54 7.°8/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.87	+17 12.2	1.472	2.341	14.4	20.1
2 21	12 1.90	+18 55.2	1.427	2.350	11.1	19.9
3 2	11 55.48	+20 35.3	1.406	2.360	8.4	19.8
3 12	11 47.54	+22 0.6	1.410	2.371	7.9	19.8
3 22	11 39.26	+23 1.5	1.439	2.382	10.0	19.9
4 1	11 31.87	+23 32.3	1.492	2.393	13.1	20.1
4 11	11 26.38	+23 32.4	1.565	2.405	16.2	20.4
4 21	11 23.35	+23 5.0	1.656	2.418	18.9	20.6

522308 2016 BJ_{101} 3 16.1 316.°72 3.°1/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.17	− 4 55.7	1.641	2.452	16.1	21.0
2 21	12 7.37	− 5 37.3	1.555	2.446	12.6	20.7
3 2	11 58.93	− 6 5.0	1.491	2.441	8.5	20.5
3 12	11 48.63	− 6 19.0	1.452	2.435	4.4	20.2
3 22	11 37.58	− 6 21.6	1.441	2.430	3.7	20.2
4 1	11 27.11	− 6 16.8	1.458	2.425	7.6	20.4
4 11	11 18.41	− 6 10.0	1.500	2.421	11.9	20.6
4 21	11 12.29	− 6 6.4	1.564	2.416	15.7	20.8

499786 2011 CE_{53} 3 16.1 290.°79 1.°1/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.43	− 2 35.4	1.830	2.650	14.3	21.7
2 21	12 3.51	− 2 30.1	1.747	2.648	10.9	21.5
3 2	11 56.41	− 2 10.8	1.688	2.646	6.9	21.3
3 12	11 47.85	− 1 40.9	1.655	2.644	2.6	21.0
3 22	11 38.76	− 1 4.9	1.650	2.642	2.5	21.0
4 1	11 30.23	− 0 28.7	1.673	2.640	6.9	21.2
4 11	11 23.21	+ 0 2.0	1.722	2.638	10.9	21.5
4 21	11 18.35	+ 0 22.9	1.794	2.636	14.5	21.7

218966 2008 FV_{26} 3 16.1 22.°09 1.°3/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.77	− 4 27.1	1.615	2.441	15.6	20.3
2 21	12 1.74	− 3 58.8	1.539	2.443	11.9	20.1
3 2	11 55.41	− 3 11.5	1.486	2.444	7.6	19.8
3 12	11 47.55	− 2 9.6	1.457	2.447	2.9	19.6
3 22	11 39.19	− 1 0.0	1.456	2.449	2.7	19.5
4 1	11 31.47	+ 0 8.9	1.482	2.451	7.3	19.8
4 11	11 25.39	+ 1 9.4	1.533	2.454	11.7	20.1
4 21	11 21.60	+ 1 55.6	1.606	2.457	15.5	20.3

382702 2002 VU_{137} 3 16.1 115.°02 1.°4/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.18	+ 4 14.6	2.485	3.314	10.7	22.1
2 21	12 1.19	+ 4 56.4	2.419	3.330	7.8	21.9
3 2	11 54.69	+ 5 44.8	2.379	3.345	4.6	21.7
3 12	11 47.28	+ 6 35.1	2.369	3.359	1.6	21.5
3 22	11 39.65	+ 7 22.4	2.388	3.374	3.0	21.6
4 1	11 32.51	+ 8 2.4	2.437	3.387	6.2	21.9
4 11	11 26.51	+ 8 31.6	2.514	3.401	9.1	22.1
4 21	11 22.08	+ 8 48.4	2.614	3.414	11.7	22.3

470861 2008 YH_{114} 3 16.1 343.°36 6.°6/ 9.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 2.00	+14 35.8	1.517	2.390	13.9	20.5
2 21	11 59.17	+16 2.1	1.448	2.376	10.5	20.3
3 2	11 53.97	+17 31.1	1.402	2.363	7.6	20.0
3 12	11 47.15	+18 51.9	1.381	2.352	6.7	20.0
3 22	11 39.77	+19 54.5	1.385	2.341	9.0	20.1
4 1	11 33.00	+20 31.4	1.413	2.331	12.5	20.2
4 11	11 27.93	+20 39.4	1.462	2.323	16.0	20.4
4 21	11 25.22	+20 19.6	1.529	2.316	19.1	20.6

62556 2000 SB_{266} 3 16.1 167.°23 0.°1/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.75	− 2 46.8	2.001	2.823	13.2	20.2
2 21	12 0.58	− 1 49.3	1.921	2.824	9.9	20.0
3 2	11 54.54	− 0 35.9	1.865	2.826	6.0	19.8
3 12	11 47.28	+ 0 48.2	1.836	2.827	1.8	19.5
3 22	11 39.61	+ 2 15.9	1.837	2.828	2.5	19.6
4 1	11 32.45	+ 3 39.5	1.866	2.829	6.7	19.8
4 11	11 26.61	+ 4 52.0	1.922	2.830	10.5	20.0
4 21	11 22.63	+ 5 49.0	2.002	2.830	13.7	20.3

453261 2008 SP_{190} 3 16.1 92.°96 1.°9/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.15	− 5 21.7	1.418	2.242	17.5	22.2
2 21	12 5.16	− 5 5.3	1.353	2.253	13.4	22.0
3 2	11 57.54	− 4 27.9	1.308	2.265	8.6	21.7
3 12	11 48.19	− 3 33.7	1.288	2.276	3.6	21.5
3 22	11 38.35	− 2 29.9	1.295	2.287	3.1	21.5
4 1	11 29.38	− 1 25.3	1.328	2.298	7.9	21.8
4 11	11 22.41	− 0 28.7	1.386	2.309	12.5	22.1
4 21	11 18.12	+ 0 14.1	1.465	2.319	16.5	22.3

424657 2008 QU_{39} 3 16.1 188.°86 0.°6/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.99	− 3 17.2	2.102	2.919	12.8	21.5
2 21	12 0.69	− 2 36.4	2.019	2.919	9.7	21.3
3 2	11 54.59	− 1 40.8	1.959	2.918	6.0	21.1
3 12	11 47.30	− 0 34.7	1.927	2.917	2.0	20.8
3 22	11 39.60	+ 0 36.2	1.925	2.917	2.3	20.8
4 1	11 32.36	+ 1 45.2	1.951	2.916	6.3	21.1
4 11	11 26.39	+ 2 46.1	2.004	2.914	9.9	21.3
4 21	11 22.22	+ 3 34.4	2.080	2.913	13.1	21.5

198295 2004 TY_{308} 3 16.1 252.°28 1.°3/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.15	− 2 47.7	2.131	2.939	13.0	20.8
2 21	12 4.65	− 2 50.1	2.031	2.925	9.9	20.6
3 2	11 57.08	− 2 40.7	1.954	2.909	6.4	20.4
3 12	11 48.07	− 2 21.6	1.906	2.894	2.5	20.1
3 22	11 38.44	− 1 56.5	1.886	2.878	2.4	20.0
4 1	11 29.18	− 1 29.7	1.896	2.861	6.3	20.3
4 11	11 21.20	− 1 6.3	1.933	2.845	10.2	20.5
4 21	11 15.17	− 0 50.1	1.994	2.828	13.6	20.6

90117 2002 XG_{60} 3 16.1 35.°25 4.°0/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.90	−10 48.8	1.593	2.394	17.0	19.6
2 21	12 1.90	−10 43.9	1.517	2.398	13.5	19.4
3 2	11 55.54	−10 15.1	1.461	2.403	9.5	19.2
3 12	11 47.61	− 9 24.3	1.430	2.407	5.5	18.9
3 22	11 39.15	− 8 16.8	1.425	2.412	4.2	18.9
4 1	11 31.34	− 7 0.6	1.446	2.417	7.3	19.0
4 11	11 25.23	− 5 45.2	1.493	2.423	11.3	19.3
4 21	11 21.47	− 4 38.6	1.562	2.428	15.0	19.5

224446 2005 UV_{510} 3 16.1 188.°29 0.°8/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.97	− 3 26.0	2.238	3.047	12.4	21.6
2 21	12 2.07	− 2 53.8	2.151	3.047	9.4	21.4
3 2	11 55.39	− 2 8.0	2.089	3.046	5.9	21.2
3 12	11 47.53	− 1 12.2	2.055	3.044	2.1	20.9
3 22	11 39.27	− 0 11.4	2.050	3.042	2.2	20.9
4 1	11 31.45	+ 0 48.6	2.075	3.039	6.0	21.2
4 11	11 24.85	+ 1 42.0	2.127	3.036	9.5	21.4
4 21	11 20.02	+ 2 24.7	2.204	3.033	12.6	21.6

187906 2000 TZ_{49} 3 16.1 271.°30 6.°8/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.99	+19 29.9	2.013	2.858	12.2	20.1
2 21	12 6.22	+20 33.7	1.925	2.834	9.6	19.9
3 2	11 58.13	+21 34.7	1.863	2.809	7.4	19.7
3 12	11 48.40	+22 24.6	1.827	2.783	6.9	19.6
3 22	11 38.01	+22 55.8	1.819	2.757	8.6	19.7
4 1	11 28.09	+23 3.4	1.838	2.731	11.5	19.8
4 11	11 19.68	+22 46.0	1.880	2.704	14.5	19.9
4 21	11 13.52	+22 5.4	1.941	2.677	17.3	20.1

325152 2008 EC_{169} 3 16.1 148.°97 0.°1/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.03	− 3 15.5	2.549	3.353	11.3	21.2
2 21	12 1.82	− 2 9.6	2.472	3.366	8.4	21.0
3 2	11 55.09	− 0 50.8	2.421	3.379	5.1	20.8
3 12	11 47.42	+ 0 36.2	2.400	3.391	1.6	20.6
3 22	11 39.49	+ 2 5.6	2.411	3.402	2.1	20.6
4 1	11 32.02	+ 3 31.0	2.452	3.412	5.5	20.9
4 11	11 25.66	+ 4 47.0	2.523	3.421	8.7	21.1
4 21	11 20.86	+ 5 49.9	2.619	3.429	11.4	21.3

335840 2007 MM_2 3 16.1 285.°58 3.°4/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.74	+ 6 30.8	1.879	2.731	12.6	20.4
2 21	12 0.09	+ 8 0.2	1.793	2.716	9.3	20.2
3 2	11 54.39	+ 9 40.7	1.733	2.701	5.7	19.9
3 12	11 47.29	+11 24.1	1.700	2.686	3.4	19.7
3 22	11 39.63	+13 1.1	1.696	2.670	5.6	19.8
4 1	11 32.39	+14 23.0	1.719	2.655	9.4	20.0
4 11	11 26.51	+15 23.8	1.767	2.640	13.1	20.2
4 21	11 22.63	+16 1.2	1.835	2.625	16.3	20.4

289417 2005 DF 3 16.1 313.°32 0.°1/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.16	− 1 19.6	1.454	2.295	16.2	20.9
2 21	12 2.36	− 0 45.7	1.373	2.287	12.2	20.6
3 2	11 55.98	+ 0 6.6	1.314	2.279	7.5	20.3
3 12	11 47.79	+ 1 11.7	1.279	2.271	2.2	20.0
3 22	11 38.91	+ 2 21.7	1.271	2.263	3.2	20.0
4 1	11 30.64	+ 3 27.4	1.289	2.256	8.5	20.3
4 11	11 24.17	+ 4 20.3	1.331	2.248	13.4	20.6
4 21	11 20.25	+ 4 55.3	1.393	2.242	17.5	20.8

82548 2001 OH_{69} 3 16.1 143.°22 1.°4/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.78	− 5 42.2	2.484	3.276	11.9	20.2
2 21	12 3.14	− 5 16.7	2.407	3.290	9.1	20.0
3 2	11 55.90	− 4 38.0	2.355	3.304	5.8	19.8
3 12	11 47.67	− 3 49.0	2.332	3.318	2.5	19.6
3 22	11 39.16	− 2 54.0	2.339	3.330	2.1	19.6
4 1	11 31.15	− 1 58.2	2.377	3.342	5.3	19.8
4 11	11 24.31	− 1 6.6	2.443	3.352	8.4	20.0
4 21	11 19.12	− 0 23.0	2.534	3.362	11.2	20.2

132826 2002 QR_{87} 3 16.1 276.°80 0.°5/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.07	+ 0 26.9	2.057	2.887	12.6	20.7
2 21	12 0.82	+ 1 5.1	1.973	2.883	9.3	20.5
3 2	11 54.71	+ 1 55.2	1.915	2.879	5.6	20.3
3 12	11 47.37	+ 2 52.5	1.883	2.875	1.6	20.0
3 22	11 39.60	+ 3 51.0	1.881	2.871	2.7	20.1
4 1	11 32.29	+ 4 44.7	1.907	2.867	6.8	20.3
4 11	11 26.26	+ 5 28.1	1.959	2.863	10.5	20.5
4 21	11 22.08	+ 5 57.9	2.034	2.859	13.6	20.7

467019 2016 CY_{149} 3 16.1 197.°03 2.°2/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.49	+ 5 31.1	2.162	2.997	11.9	21.3
2 21	12 3.25	+ 6 23.5	2.081	2.994	8.7	21.1
3 2	11 56.14	+ 7 23.7	2.025	2.990	5.2	20.8
3 12	11 47.79	+ 8 25.9	1.998	2.986	2.3	20.6
3 22	11 39.01	+ 9 23.8	2.000	2.982	4.0	20.7
4 1	11 30.71	+10 11.7	2.031	2.977	7.6	21.0
4 11	11 23.71	+10 45.3	2.089	2.971	11.0	21.1
4 21	11 18.58	+11 2.8	2.169	2.964	13.9	21.3

351738 2006 DD_{23} 3 16.1 354.°23 2.°9/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.34	+ 3 20.9	1.354	2.213	16.2	20.4
2 21	12 1.80	+ 4 45.3	1.286	2.212	11.8	20.1
3 2	11 55.63	+ 6 26.2	1.241	2.211	7.0	19.8
3 12	11 47.69	+ 8 13.5	1.220	2.210	3.0	19.6
3 22	11 39.15	+ 9 54.9	1.226	2.210	5.6	19.7
4 1	11 31.37	+11 19.3	1.258	2.210	10.5	20.0
4 11	11 25.51	+12 18.9	1.312	2.210	15.0	20.2
4 21	11 22.26	+12 51.3	1.385	2.210	18.9	20.5

430674 2003 UJ_{332} 3 16.1 273.°25 2.°0/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.03	− 8 13.8	2.078	2.877	13.6	22.0
2 21	12 0.19	− 7 32.5	1.973	2.858	10.6	21.7
3 2	11 54.44	− 6 30.8	1.891	2.839	7.1	21.5
3 12	11 47.33	− 5 11.7	1.835	2.820	3.4	21.2
3 22	11 39.63	− 3 40.6	1.809	2.800	2.6	21.1
4 1	11 32.27	− 2 5.2	1.811	2.780	6.2	21.3
4 11	11 26.11	− 0 33.8	1.841	2.760	10.2	21.5
4 21	11 21.79	+ 0 46.8	1.895	2.740	13.7	21.7

385908 2006 SU_{396} 3 16.1 44.°23 1.°9/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.38	− 5 43.1	2.030	2.838	13.5	20.8
2 21	12 0.97	− 5 35.5	1.958	2.850	10.4	20.6
3 2	11 54.74	− 5 12.8	1.910	2.861	6.8	20.4
3 12	11 47.36	− 4 37.9	1.888	2.874	3.2	20.2
3 22	11 39.66	− 3 55.3	1.895	2.886	2.5	20.2
4 1	11 32.51	− 3 10.4	1.930	2.898	5.9	20.4
4 11	11 26.70	− 2 28.8	1.991	2.911	9.4	20.6
4 21	11 22.74	− 1 55.0	2.076	2.924	12.5	20.9

432215 2009 FE_{28} 3 16.1 12.°93 5.°9/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.31	+17 31.2	2.079	2.933	11.5	20.6
2 21	12 1.69	+18 36.1	2.018	2.934	8.8	20.5
3 2	11 55.18	+19 38.5	1.983	2.935	6.5	20.3
3 12	11 47.50	+20 31.0	1.974	2.936	5.9	20.3
3 22	11 39.49	+21 7.3	1.993	2.938	7.5	20.4
4 1	11 32.08	+21 23.5	2.039	2.940	10.1	20.5
4 11	11 26.06	+21 18.3	2.107	2.942	12.8	20.7
4 21	11 21.96	+20 53.1	2.196	2.944	15.2	20.9

382290 2012 UJ_{36} 3 16.1 117.°59 2.°0/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.00	− 8 0.5	2.477	3.268	11.9	21.1
2 21	11 59.70	− 7 36.8	2.395	3.275	9.2	20.9
3 2	11 53.89	− 6 58.3	2.338	3.283	6.2	20.7
3 12	11 47.11	− 6 7.5	2.308	3.290	3.1	20.5
3 22	11 40.03	− 5 8.7	2.307	3.297	2.4	20.5
4 1	11 33.37	− 4 6.8	2.336	3.304	5.1	20.7
4 11	11 27.79	− 3 7.5	2.393	3.311	8.2	20.9
4 21	11 23.74	− 2 15.2	2.474	3.317	11.0	21.1

22919 Shuwan 3 16.1 62.°96 2.°8/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.56	+ 4 15.1	1.451	2.306	15.5	18.7
2 21	12 2.42	+ 5 31.6	1.393	2.317	11.3	18.4
3 2	11 55.84	+ 7 0.5	1.358	2.328	6.7	18.2
3 12	11 47.72	+ 8 32.4	1.349	2.339	3.0	18.0
3 22	11 39.20	+ 9 56.9	1.367	2.350	5.2	18.2
4 1	11 31.51	+11 4.8	1.411	2.361	9.7	18.4
4 11	11 25.68	+11 50.4	1.478	2.372	13.9	18.7
4 21	11 22.29	+12 12.3	1.565	2.384	17.4	19.0

366969 2005 WT_{101} 3 16.1 152.°83 4.°7/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.81	−17 18.0	2.567	3.298	13.1	21.2
2 21	12 2.53	−17 16.0	2.479	3.308	10.8	21.0
3 2	11 55.60	−16 54.6	2.414	3.318	8.3	20.9
3 12	11 47.63	−16 14.5	2.376	3.327	5.9	20.8
3 22	11 39.31	−15 18.3	2.366	3.335	4.7	20.7
4 1	11 31.44	−14 10.6	2.385	3.342	5.8	20.8
4 11	11 24.71	−12 57.8	2.433	3.349	8.2	20.9
4 21	11 19.62	−11 45.8	2.507	3.355	10.7	21.1

469166 2015 KP_{67} 3 16.1 219.°49 5.°3/ 9.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.42	+18 30.1	2.555	3.402	9.9	21.2
2 21	12 0.77	+19 36.3	2.489	3.399	7.6	21.1
3 2	11 54.54	+20 40.1	2.449	3.396	5.8	21.0
3 12	11 47.31	+21 35.1	2.437	3.393	5.4	20.9
3 22	11 39.78	+22 16.0	2.454	3.390	6.8	21.0
4 1	11 32.70	+22 39.4	2.497	3.386	9.0	21.1
4 11	11 26.74	+22 43.7	2.565	3.383	11.3	21.3
4 21	11 22.37	+22 29.8	2.654	3.379	13.3	21.4

416137 2002 QF_{117} 3 16.1 230.°12 2.°4/18.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.41	− 6 57.8	1.839	2.643	14.9	22.1
2 21	12 3.61	− 6 47.2	1.748	2.636	11.6	21.8
3 2	11 56.57	− 6 18.1	1.679	2.629	7.8	21.6
3 12	11 47.99	− 5 33.0	1.637	2.621	3.8	21.3
3 22	11 38.78	− 4 36.6	1.622	2.613	3.0	21.2
4 1	11 30.06	− 3 35.5	1.635	2.604	6.8	21.5
4 11	11 22.82	− 2 37.3	1.675	2.595	10.9	21.7
4 21	11 17.75	− 1 48.1	1.738	2.586	14.6	21.9

59174 1999 AT_5 3 16.1 275.°72 3.°5/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.34	− 6 45.4	1.786	2.586	15.5	18.2
2 21	12 6.64	− 7 21.0	1.695	2.579	12.2	17.9
3 2	11 58.47	− 7 41.6	1.627	2.572	8.4	17.7
3 12	11 48.57	− 7 47.5	1.585	2.565	4.7	17.4
3 22	11 37.95	− 7 40.8	1.570	2.558	3.8	17.4
4 1	11 27.83	− 7 25.6	1.584	2.551	7.2	17.6
4 11	11 19.31	− 7 7.8	1.624	2.544	11.2	17.8
4 21	11 13.17	− 6 52.6	1.686	2.536	14.9	18.0

317177 2001 XU_{123} 3 16.1 65.°47 1.°3/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.33	+ 3 14.2	2.153	2.988	11.9	20.7
2 21	12 0.79	+ 3 55.1	2.091	3.004	8.7	20.5
3 2	11 54.57	+ 4 44.2	2.053	3.019	5.1	20.3
3 12	11 47.33	+ 5 36.3	2.044	3.035	1.7	20.1
3 22	11 39.84	+ 6 26.0	2.064	3.051	3.1	20.2
4 1	11 32.93	+ 7 8.1	2.112	3.067	6.7	20.5
4 11	11 27.29	+ 7 38.6	2.187	3.083	9.9	20.7
4 21	11 23.39	+ 7 55.5	2.285	3.099	12.7	20.9

384215 2009 CX_{38} 3 16.1 106.°74 2.°1/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.27	− 6 33.9	2.372	3.165	12.3	20.9
2 21	12 2.16	− 6 34.3	2.293	3.175	9.5	20.7
3 2	11 55.40	− 6 21.4	2.239	3.185	6.3	20.6
3 12	11 47.59	− 5 57.3	2.213	3.195	3.2	20.4
3 22	11 39.46	− 5 25.2	2.216	3.205	2.5	20.3
4 1	11 31.80	− 4 49.6	2.248	3.215	5.4	20.5
4 11	11 25.33	− 4 15.1	2.308	3.224	8.5	20.7
4 21	11 20.54	− 3 45.7	2.392	3.234	11.3	20.9

503116 2015 FF_{329} 3 16.1 250.°97 5.°1/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.02	+15 48.7	2.301	3.150	10.7	21.4
2 21	12 1.38	+16 55.0	2.229	3.144	8.1	21.2
3 2	11 55.00	+18 0.9	2.183	3.138	5.8	21.0
3 12	11 47.48	+18 59.6	2.165	3.131	5.1	21.0
3 22	11 39.60	+19 45.1	2.175	3.125	6.7	21.1
4 1	11 32.18	+20 13.0	2.213	3.118	9.3	21.2
4 11	11 26.00	+20 21.2	2.275	3.111	11.9	21.4
4 21	11 21.55	+20 10.2	2.358	3.104	14.3	21.5

177296 2003 XK_{19} 3 16.1 140.°16 2.°6/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.55	+ 7 51.1	2.059	2.890	12.5	20.8
2 21	12 6.92	+ 8 23.9	1.993	2.904	9.2	20.6
3 2	11 58.29	+ 9 1.0	1.952	2.916	5.5	20.4
3 12	11 48.44	+ 9 36.9	1.941	2.928	2.7	20.3
3 22	11 38.29	+10 6.2	1.959	2.939	4.3	20.4
4 1	11 28.85	+10 24.4	2.007	2.950	7.8	20.6
4 11	11 20.96	+10 29.0	2.081	2.960	11.1	20.8
4 21	11 15.15	+10 19.4	2.178	2.969	14.0	21.1

29418 1997 AH_{13} 3 16.1 112.°82 3.°3/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.65	+12 2.1	2.706	3.545	9.6	19.3
2 21	12 1.43	+12 54.2	2.650	3.563	7.1	19.2
3 2	11 54.82	+13 47.1	2.621	3.582	4.6	19.1
3 12	11 47.39	+14 35.7	2.622	3.600	3.3	19.0
3 22	11 39.79	+15 15.4	2.653	3.617	4.7	19.1
4 1	11 32.68	+15 43.0	2.713	3.634	7.1	19.3
4 11	11 26.66	+15 56.4	2.799	3.651	9.5	19.5
4 21	11 22.14	+15 55.7	2.908	3.667	11.6	19.6

271899 2004 VQ_{66} 3 16.1 222.°90 1.°9/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.04	− 6 21.3	2.096	2.899	13.4	21.0
2 21	12 1.57	− 6 0.9	2.006	2.895	10.3	20.8
3 2	11 55.20	− 5 24.0	1.940	2.890	6.8	20.6
3 12	11 47.57	− 4 33.7	1.900	2.886	3.1	20.3
3 22	11 39.47	− 3 34.6	1.890	2.881	2.5	20.3
4 1	11 31.80	− 2 32.7	1.908	2.876	6.0	20.5
4 11	11 25.41	− 1 34.6	1.953	2.871	9.7	20.7
4 21	11 20.86	− 0 45.4	2.021	2.865	13.0	20.9

341708 2007 VV_{180} 3 16.1 86.°43 5.°0/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.52	+15 53.8	2.197	3.043	11.2	20.7
2 21	12 3.14	+16 44.0	2.140	3.054	8.5	20.6
3 2	11 55.98	+17 32.3	2.109	3.064	5.9	20.4
3 12	11 47.75	+18 12.3	2.105	3.074	5.0	20.4
3 22	11 39.28	+18 38.6	2.130	3.084	6.4	20.5
4 1	11 31.45	+18 47.9	2.183	3.094	9.0	20.7
4 11	11 25.00	+18 39.1	2.260	3.104	11.7	20.8
4 21	11 20.41	+18 13.2	2.358	3.114	14.0	21.0

137020 1998 TL 3 16.1 107.°90 0.°5/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.87	+ 1 8.3	1.944	2.766	13.5	20.5
2 21	12 5.71	+ 1 33.3	1.883	2.788	10.0	20.3
3 2	11 57.57	+ 2 8.5	1.846	2.809	5.9	20.1
3 12	11 48.22	+ 2 49.1	1.838	2.829	1.7	19.9
3 22	11 38.63	+ 3 29.6	1.859	2.849	2.8	20.0
4 1	11 29.79	+ 4 4.7	1.909	2.868	6.8	20.3
4 11	11 22.52	+ 4 30.1	1.986	2.887	10.5	20.6
4 21	11 17.34	+ 4 43.3	2.086	2.905	13.6	20.8

228363 2000 UD_{88} 3 16.1 237.°57 3.°0/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.86	+ 8 44.9	2.284	3.121	11.2	20.8
2 21	12 3.55	+ 9 32.9	2.193	3.107	8.3	20.5
3 2	11 56.38	+10 26.0	2.128	3.092	5.1	20.3
3 12	11 47.92	+11 18.6	2.091	3.076	3.0	20.1
3 22	11 38.97	+12 4.7	2.084	3.059	4.6	20.2
4 1	11 30.41	+12 39.3	2.106	3.042	7.9	20.4
4 11	11 23.06	+12 58.9	2.154	3.025	11.2	20.6
4 21	11 17.52	+13 2.2	2.225	3.007	14.0	20.7

500680 2012 VD_{73} 3 16.1 67.°10 2.°3/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.25	− 8 58.8	2.260	3.053	12.9	21.5
2 21	11 59.30	− 8 30.0	2.181	3.061	10.0	21.3
3 2	11 53.72	− 7 44.1	2.126	3.070	6.8	21.1
3 12	11 47.11	− 6 44.0	2.098	3.079	3.5	20.9
3 22	11 40.18	− 5 34.5	2.098	3.088	2.6	20.8
4 1	11 33.72	− 4 21.6	2.127	3.097	5.4	21.0
4 11	11 28.43	− 3 11.8	2.184	3.106	8.7	21.2
4 21	11 24.77	− 2 10.3	2.266	3.114	11.6	21.5

298991 2004 XN_{24} 3 16.1 67.°95 2.°4/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.24	+ 4 4.0	1.378	2.231	16.3	20.4
2 21	12 4.48	+ 4 58.4	1.323	2.244	11.9	20.2
3 2	11 57.12	+ 6 4.8	1.290	2.258	7.0	19.9
3 12	11 48.14	+ 7 14.4	1.282	2.272	2.7	19.7
3 22	11 38.77	+ 8 17.9	1.301	2.287	4.8	19.9
4 1	11 30.35	+ 9 7.1	1.346	2.301	9.6	20.2
4 11	11 23.97	+ 9 36.6	1.414	2.315	13.9	20.5
4 21	11 20.20	+ 9 45.1	1.502	2.329	17.5	20.7

209060 2003 QU_{50} 3 16.1 56.°05 2.°7/14.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.62	+ 6 39.2	1.451	2.302	15.7	19.6
2 21	12 6.26	+ 7 7.7	1.387	2.308	11.6	19.3
3 2	11 58.23	+ 7 43.9	1.345	2.313	6.9	19.1
3 12	11 48.48	+ 8 20.6	1.329	2.319	3.0	18.8
3 22	11 38.26	+ 8 50.5	1.340	2.324	5.0	19.0
4 1	11 28.91	+ 9 7.2	1.376	2.330	9.6	19.3
4 11	11 21.58	+ 9 7.3	1.437	2.336	13.9	19.5
4 21	11 16.93	+ 8 49.9	1.518	2.342	17.5	19.8

47362 1999 XG_{75} 3 16.1 182.°94 1.°6/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.01	+ 3 25.1	2.059	2.890	12.5	19.9
2 21	12 3.72	+ 4 15.4	1.980	2.891	9.2	19.7
3 2	11 56.47	+ 5 15.6	1.926	2.891	5.5	19.5
3 12	11 47.94	+ 6 19.8	1.900	2.891	1.9	19.2
3 22	11 38.99	+ 7 21.5	1.904	2.890	3.6	19.3
4 1	11 30.56	+ 8 14.5	1.937	2.888	7.4	19.6
4 11	11 23.51	+ 8 54.0	1.996	2.886	11.0	19.8
4 21	11 18.41	+ 9 17.6	2.078	2.883	14.1	20.0

154483 2003 EO_{28} 3 16.1 271.°30 5.°7/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.82	+18 24.2	2.208	3.036	11.9	19.3
2 21	12 11.20	+18 55.9	2.104	3.005	9.3	19.0
3 2	12 1.16	+19 24.1	2.027	2.974	6.8	18.8
3 12	11 49.39	+19 41.5	1.978	2.942	5.7	18.7
3 22	11 36.88	+19 42.4	1.960	2.910	7.2	18.7
4 1	11 24.77	+19 22.9	1.971	2.876	10.2	18.8
4 11	11 14.17	+18 42.6	2.008	2.842	13.3	19.0
4 21	11 5.83	+17 43.3	2.067	2.807	16.2	19.1

134629 1999 TK_{286} 3 16.1 81.°56 2.°7/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.21	− 7 0.2	1.582	2.392	16.6	19.8
2 21	12 4.98	− 6 56.3	1.518	2.409	12.9	19.6
3 2	11 57.35	− 6 32.5	1.475	2.426	8.5	19.4
3 12	11 48.21	− 5 51.9	1.458	2.442	4.2	19.1
3 22	11 38.68	− 5 0.0	1.468	2.459	3.3	19.1
4 1	11 29.96	− 4 4.5	1.506	2.475	7.2	19.4
4 11	11 23.08	− 3 13.0	1.568	2.491	11.3	19.7
4 21	11 18.63	− 2 31.3	1.653	2.507	14.9	19.9

331959 2004 VG_{75} 3 16.1 205.°60 5.°2/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.20	+16 22.2	2.445	3.290	10.3	21.1
2 21	12 2.19	+17 43.5	2.372	3.284	7.9	20.9
3 2	11 55.48	+19 4.6	2.327	3.278	5.8	20.8
3 12	11 47.65	+20 18.3	2.311	3.272	5.3	20.7
3 22	11 39.44	+21 18.2	2.323	3.265	6.8	20.8
4 1	11 31.66	+21 59.9	2.364	3.257	9.3	20.9
4 11	11 25.06	+22 21.1	2.429	3.249	11.8	21.1
4 21	11 20.16	+22 22.2	2.515	3.240	14.0	21.3

31565 1999 FO_{9} 3 16.1 94.°63 1.°4/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.95	+ 1 16.8	1.524	2.364	15.7	17.9
2 21	12 4.75	+ 2 20.5	1.469	2.384	11.5	17.7
3 2	11 57.17	+ 3 38.3	1.438	2.405	6.8	17.5
3 12	11 48.14	+ 5 2.1	1.433	2.424	2.1	17.2
3 22	11 38.82	+ 6 22.4	1.456	2.444	3.9	17.4
4 1	11 30.39	+ 7 30.7	1.506	2.463	8.6	17.7
4 11	11 23.85	+ 8 21.0	1.581	2.481	12.7	18.0
4 21	11 19.75	+ 8 50.8	1.677	2.499	16.2	18.3

417666 2006 YA_{53} 3 16.1 108.°77 1.°1/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.99	− 3 52.3	1.956	2.767	13.9	22.0
2 21	12 3.67	− 3 28.4	1.888	2.783	10.5	21.8
3 2	11 56.40	− 2 49.8	1.844	2.800	6.6	21.6
3 12	11 47.92	− 2 0.4	1.827	2.816	2.5	21.3
3 22	11 39.12	− 1 5.8	1.839	2.831	2.3	21.3
4 1	11 30.98	− 0 12.2	1.880	2.846	6.3	21.6
4 11	11 24.31	+ 0 34.6	1.948	2.861	10.0	21.9
4 21	11 19.65	+ 1 10.6	2.039	2.875	13.2	22.1

466978 2016 BV_{16} 3 16.1 58.°44 0.°4/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.22	− 1 21.1	1.341	2.181	17.4	21.2
2 21	12 5.22	− 1 0.5	1.287	2.199	13.0	21.0
3 2	11 57.57	− 0 22.9	1.255	2.219	7.9	20.8
3 12	11 48.28	+ 0 25.8	1.247	2.238	2.5	20.5
3 22	11 38.65	+ 1 17.8	1.265	2.258	3.1	20.6
4 1	11 30.03	+ 2 4.9	1.310	2.278	8.3	20.9
4 11	11 23.52	+ 2 40.3	1.378	2.297	12.9	21.3
4 21	11 19.69	+ 3 0.2	1.467	2.317	16.7	21.5

66811 1999 UA_{6} 3 16.1 194.°75 0.°9/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.27	− 4 41.4	2.395	3.199	11.9	20.0
2 21	12 0.76	− 3 58.9	2.305	3.197	9.0	19.8
3 2	11 54.62	− 3 1.9	2.240	3.194	5.7	19.6
3 12	11 47.41	− 1 54.2	2.203	3.191	2.2	19.4
3 22	11 39.81	− 0 40.9	2.196	3.188	2.0	19.4
4 1	11 32.61	+ 0 32.0	2.219	3.184	5.6	19.6
4 11	11 26.51	+ 1 38.7	2.270	3.180	9.0	19.8
4 21	11 22.02	+ 2 34.6	2.346	3.175	11.9	20.0

436002 2009 FF_{51} 3 16.1 3.°00 6.°6/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.68	+18 38.7	1.689	2.544	13.6	20.2
2 21	12 5.29	+19 10.0	1.627	2.543	10.5	20.0
3 2	11 57.52	+19 36.0	1.590	2.543	7.7	19.8
3 12	11 48.28	+19 48.7	1.578	2.544	6.6	19.7
3 22	11 38.67	+19 42.5	1.592	2.546	8.2	19.8
4 1	11 29.91	+19 14.5	1.633	2.549	11.2	20.0
4 11	11 22.98	+18 25.1	1.696	2.553	14.3	20.2
4 21	11 18.45	+17 17.3	1.779	2.557	17.1	20.4

466655 2014 WT_{76} 3 16.1 24.°38 1.°0/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.24	+ 1 12.2	1.540	2.385	15.3	21.9
2 21	12 2.18	+ 1 55.6	1.471	2.388	11.3	21.6
3 2	11 55.76	+ 2 53.4	1.424	2.391	6.7	21.4
3 12	11 47.79	+ 3 59.0	1.403	2.395	1.9	21.1
3 22	11 39.33	+ 5 4.3	1.409	2.399	3.6	21.2
4 1	11 31.57	+ 6 1.0	1.442	2.403	8.4	21.5
4 11	11 25.54	+ 6 42.8	1.498	2.408	12.7	21.7
4 21	11 21.87	+ 7 6.3	1.576	2.412	16.4	22.0

296378 2009 FU_{46} 3 16.1 286.°96 0.°1/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.22	− 1 0.6	1.555	2.392	15.6	21.3
2 21	12 3.18	− 0 28.4	1.462	2.374	11.8	21.0
3 2	11 56.57	+ 0 21.4	1.391	2.356	7.3	20.7
3 12	11 48.09	+ 1 23.8	1.346	2.337	2.2	20.3
3 22	11 38.80	+ 2 31.6	1.327	2.319	3.2	20.4
4 1	11 29.96	+ 3 35.9	1.335	2.300	8.4	20.6
4 11	11 22.78	+ 4 28.6	1.367	2.282	13.3	20.8
4 21	11 18.10	+ 5 4.2	1.420	2.264	17.5	21.1

166729 2002 TH_{251} 3 16.1 144.°50 4.°3/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.59	+15 8.6	2.520	3.361	10.2	20.3
2 21	12 3.03	+15 57.7	2.457	3.369	7.6	20.1
3 2	11 55.88	+16 45.7	2.421	3.377	5.3	20.0
3 12	11 47.76	+17 27.0	2.414	3.384	4.3	19.9
3 22	11 39.40	+17 56.8	2.436	3.391	5.7	20.0
4 1	11 31.57	+18 11.8	2.487	3.398	8.1	20.2
4 11	11 24.94	+18 10.7	2.563	3.404	10.6	20.4
4 21	11 19.97	+17 54.0	2.661	3.410	12.8	20.5

420301 2011 WH_{135} 3 16.1 103.°38 0.°1/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.81	− 1 8.6	1.686	2.512	15.1	22.2
2 21	12 5.23	− 0 33.2	1.625	2.531	11.2	22.0
3 2	11 57.42	+ 0 16.6	1.588	2.550	6.8	21.7
3 12	11 48.24	+ 1 15.2	1.577	2.568	2.0	21.5
3 22	11 38.74	+ 2 15.8	1.595	2.586	2.8	21.6
4 1	11 30.06	+ 3 10.9	1.641	2.604	7.4	21.9
4 11	11 23.12	+ 3 54.5	1.712	2.621	11.5	22.2
4 21	11 18.49	+ 4 23.4	1.806	2.637	14.9	22.4

471359 2011 RE_{14} 3 16.1 229.°05 0.°4/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 2.54	− 3 57.2	2.442	3.253	11.4	21.7
2 21	11 58.73	− 3 0.7	2.353	3.250	8.6	21.5
3 2	11 53.40	− 1 49.9	2.288	3.246	5.3	21.3
3 12	11 47.06	− 0 29.0	2.253	3.243	1.8	21.0
3 22	11 40.37	+ 0 56.3	2.247	3.239	2.0	21.0
4 1	11 34.04	+ 2 19.8	2.271	3.235	5.6	21.3
4 11	11 28.75	+ 3 35.5	2.323	3.231	8.9	21.5
4 21	11 24.97	+ 4 38.8	2.400	3.227	11.8	21.7

221188 2005 UJ_{37} 3 16.1 131.°81 0.°4/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.64	− 2 41.3	2.263	3.073	12.3	21.4
2 21	12 2.47	− 2 2.2	2.191	3.088	9.2	21.3
3 2	11 55.61	− 1 10.4	2.144	3.102	5.6	21.1
3 12	11 47.70	− 0 10.3	2.125	3.115	1.9	20.8
3 22	11 39.50	+ 0 53.0	2.136	3.128	2.1	20.9
4 1	11 31.84	+ 1 53.6	2.177	3.140	5.9	21.1
4 11	11 25.44	+ 2 46.1	2.246	3.152	9.2	21.4
4 21	11 20.77	+ 3 27.3	2.339	3.163	12.1	21.6

308176 2005 CY_{20} 3 16.1 30.°38 3.°0/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.41	+ 5 20.6	1.251	2.114	16.9	20.1
2 21	12 3.41	+ 6 12.1	1.195	2.122	12.4	19.9
3 2	11 56.62	+ 7 15.0	1.160	2.130	7.4	19.6
3 12	11 48.05	+ 8 20.2	1.149	2.139	3.2	19.4
3 22	11 39.02	+ 9 17.6	1.164	2.149	5.5	19.5
4 1	11 30.94	+ 9 58.7	1.203	2.159	10.4	19.8
4 11	11 25.00	+10 18.3	1.265	2.170	14.9	20.1
4 21	11 21.82	+10 15.5	1.345	2.181	18.7	20.4

372611 2009 VZ_{18} 3 16.1 184.°75 1.°7/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.53	− 5 55.5	2.256	3.054	12.7	21.8
2 21	12 2.53	− 5 37.1	2.168	3.055	9.8	21.6
3 2	11 55.74	− 5 3.9	2.104	3.054	6.4	21.4
3 12	11 47.77	− 4 18.8	2.068	3.054	2.9	21.2
3 22	11 39.38	− 3 26.1	2.061	3.052	2.3	21.2
4 1	11 31.42	− 2 31.0	2.084	3.051	5.7	21.4
4 11	11 24.69	− 1 39.5	2.134	3.048	9.2	21.6
4 21	11 19.71	− 0 56.1	2.208	3.046	12.3	21.8

425306 2009 YX_{12} 3 16.1 74.°06 3.°2/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.83	− 8 42.9	1.920	2.715	14.7	20.9
2 21	12 2.95	− 8 46.9	1.846	2.726	11.5	20.7
3 2	11 56.05	− 8 33.2	1.795	2.737	7.9	20.5
3 12	11 47.86	− 8 3.6	1.770	2.749	4.4	20.3
3 22	11 39.27	− 7 22.0	1.772	2.760	3.4	20.3
4 1	11 31.29	− 6 34.3	1.803	2.771	6.3	20.5
4 11	11 24.77	− 5 46.9	1.860	2.783	9.9	20.7
4 21	11 20.28	− 5 5.4	1.940	2.794	13.1	20.9

503222 2015 HB_{51} 3 16.1 230.°09 4.°8/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.38	+16 28.2	2.537	3.382	10.0	20.9
2 21	12 1.52	+17 28.3	2.463	3.375	7.6	20.7
3 2	11 55.06	+18 27.4	2.415	3.368	5.5	20.6
3 12	11 47.55	+19 19.3	2.396	3.360	4.8	20.5
3 22	11 39.70	+19 58.9	2.406	3.353	6.3	20.6
4 1	11 32.28	+20 22.3	2.444	3.345	8.7	20.8
4 11	11 25.98	+20 27.7	2.506	3.337	11.1	20.9
4 21	11 21.29	+20 15.5	2.590	3.329	13.3	21.1

154507 2003 FT_{47} 3 16.1 89.°18 0.°2/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.13	− 0 31.9	1.800	2.627	14.2	20.6
2 21	12 4.00	− 0 15.7	1.728	2.634	10.6	20.4
3 2	11 56.72	+ 0 13.1	1.680	2.642	6.5	20.1
3 12	11 48.07	+ 0 50.1	1.659	2.650	2.0	19.9
3 22	11 39.00	+ 1 30.0	1.666	2.658	2.6	19.9
4 1	11 30.60	+ 2 6.8	1.701	2.666	7.0	20.2
4 11	11 23.77	+ 2 35.1	1.762	2.673	11.0	20.5
4 21	11 19.11	+ 2 51.7	1.845	2.681	14.4	20.7

175366 2005 QQ_{147} 3 16.1 225.°04 3.°2/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.60	+10 56.8	2.420	3.262	10.5	20.1
2 21	12 1.70	+11 37.5	2.344	3.260	7.7	19.9
3 2	11 55.16	+12 20.3	2.295	3.258	4.9	19.7
3 12	11 47.58	+13 0.2	2.274	3.256	3.2	19.6
3 22	11 39.68	+13 32.1	2.282	3.253	4.7	19.7
4 1	11 32.23	+13 52.1	2.319	3.251	7.5	19.8
4 11	11 25.94	+13 57.9	2.382	3.249	10.4	20.0
4 21	11 21.30	+13 49.1	2.467	3.246	12.9	20.2

336554 2009 FP_{39} 3 16.1 53.°36 0.°2/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.03	− 3 58.9	1.927	2.750	13.6	20.5
2 21	11 59.28	− 2 47.4	1.866	2.770	10.1	20.3
3 2	11 53.76	− 1 19.3	1.829	2.790	6.2	20.1
3 12	11 47.17	+ 0 19.0	1.820	2.811	1.9	19.9
3 22	11 40.32	+ 1 59.6	1.840	2.832	2.4	20.0
4 1	11 34.09	+ 3 34.2	1.888	2.853	6.5	20.3
4 11	11 29.21	+ 4 55.7	1.964	2.874	10.1	20.5
4 21	11 26.15	+ 6 0.0	2.063	2.895	13.2	20.8

464322 2016 AK_{108} 3 16.1 351.°89 0.°7/15.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.91	+ 2 27.1	1.325	2.175	16.9	20.9
2 21	12 5.35	+ 2 30.5	1.252	2.172	12.7	20.6
3 2	11 57.91	+ 2 46.1	1.201	2.169	7.7	20.3
3 12	11 48.50	+ 3 8.8	1.175	2.166	2.2	20.0
3 22	11 38.40	+ 3 31.9	1.173	2.165	3.7	20.1
4 1	11 29.09	+ 3 48.8	1.197	2.163	9.1	20.4
4 11	11 21.86	+ 3 53.8	1.245	2.163	14.0	20.7
4 21	11 17.49	+ 3 44.3	1.312	2.163	18.2	20.9

447684 2007 BA_{11} 3 16.1 4.°88 0.°4/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.10	+ 1 7.2	1.191	2.043	18.4	21.1
2 21	12 6.47	+ 1 15.3	1.123	2.043	13.8	20.8
3 2	11 58.69	+ 1 38.9	1.076	2.043	8.4	20.5
3 12	11 48.75	+ 2 12.4	1.052	2.043	2.4	20.1
3 22	11 38.07	+ 2 48.1	1.052	2.044	3.7	20.2
4 1	11 28.31	+ 3 17.8	1.078	2.045	9.6	20.5
4 11	11 20.88	+ 3 34.5	1.125	2.047	14.9	20.8
4 21	11 16.57	+ 3 34.7	1.192	2.049	19.3	21.1

244764 2003 SO_{108} 3 16.1 205.°33 2.°1/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.93	− 6 47.7	1.930	2.731	14.4	20.8
2 21	12 3.91	− 6 27.6	1.840	2.727	11.2	20.6
3 2	11 56.75	− 5 49.4	1.773	2.722	7.4	20.4
3 12	11 48.12	− 4 55.8	1.732	2.717	3.5	20.1
3 22	11 38.94	− 3 52.0	1.720	2.711	2.7	20.0
4 1	11 30.23	− 2 44.8	1.736	2.704	6.6	20.3
4 11	11 22.95	− 1 41.5	1.780	2.697	10.6	20.5
4 21	11 17.77	− 0 48.1	1.847	2.690	14.1	20.7

158247 2001 TU_{61} 3 16.1 232.°26 2.°2/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.40	− 7 24.6	1.841	2.641	15.0	21.1
2 21	12 4.47	− 6 57.4	1.741	2.628	11.7	20.8
3 2	11 57.21	− 6 9.5	1.664	2.614	7.8	20.5
3 12	11 48.30	− 5 3.7	1.614	2.599	3.7	20.3
3 22	11 38.67	− 3 45.5	1.592	2.583	2.9	20.2
4 1	11 29.44	− 2 22.8	1.598	2.566	7.0	20.4
4 11	11 21.68	− 1 4.3	1.631	2.549	11.3	20.6
4 21	11 16.13	+ 0 2.9	1.688	2.531	15.2	20.8

75747 2000 AX_{153} 3 16.1 252.°52 4.°6/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.45	+ 9 53.2	1.478	2.332	15.3	18.4
2 21	12 7.16	+10 48.2	1.398	2.319	11.4	18.2
3 2	11 59.02	+11 50.0	1.341	2.307	7.3	17.9
3 12	11 48.86	+12 49.5	1.310	2.294	4.6	17.7
3 22	11 37.91	+13 37.2	1.306	2.281	6.8	17.8
4 1	11 27.63	+14 5.5	1.327	2.267	11.2	18.0
4 11	11 19.31	+14 10.2	1.371	2.253	15.6	18.2
4 21	11 13.78	+13 51.5	1.435	2.238	19.4	18.4

286012 2001 SY_{128} 3 16.1 135.°69 1.°0/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.22	− 4 42.4	1.625	2.444	15.9	21.1
2 21	12 4.29	− 3 59.9	1.553	2.453	12.1	20.8
3 2	11 57.01	− 2 57.5	1.504	2.462	7.6	20.6
3 12	11 48.19	− 1 40.5	1.481	2.470	2.8	20.3
3 22	11 38.92	− 0 16.8	1.486	2.478	2.7	20.3
4 1	11 30.36	+ 1 4.5	1.519	2.486	7.4	20.6
4 11	11 23.54	+ 2 15.1	1.578	2.493	11.8	20.9
4 21	11 19.08	+ 3 9.7	1.658	2.499	15.5	21.1

367130 2006 SF_{314} 3 16.1 319.°46 1.°2/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.67	+ 1 31.7	1.406	2.258	16.1	20.8
2 21	12 2.17	+ 2 11.0	1.324	2.245	12.0	20.5
3 2	11 56.01	+ 3 6.4	1.264	2.232	7.2	20.2
3 12	11 47.97	+ 4 11.6	1.228	2.219	2.1	19.8
3 22	11 39.17	+ 5 17.9	1.217	2.207	4.0	19.9
4 1	11 30.95	+ 6 15.8	1.233	2.196	9.3	20.2
4 11	11 24.56	+ 6 57.5	1.271	2.185	14.2	20.4
4 21	11 20.78	+ 7 19.1	1.329	2.175	18.4	20.7

452349 2001 TA_{109} 3 16.1 143.°00 6.°8/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 23.28	+19 28.7	1.709	2.542	14.6	21.1
2 21	12 14.52	+19 59.1	1.649	2.552	11.3	20.9
3 2	12 3.05	+20 22.3	1.614	2.561	8.2	20.8
3 12	11 49.95	+20 29.9	1.606	2.570	6.8	20.7
3 22	11 36.57	+20 16.3	1.627	2.578	8.4	20.8
4 1	11 24.33	+19 39.6	1.676	2.585	11.4	21.0
4 11	11 14.35	+18 41.5	1.750	2.592	14.6	21.2
4 21	11 7.23	+17 26.3	1.845	2.598	17.5	21.4

286436 2002 AO_{29} 3 16.1 67.°24 8.°0/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.24	−25 53.7	2.322	3.005	15.5	20.1
2 21	12 1.68	−26 29.5	2.243	3.019	13.5	19.9
3 2	11 55.28	−26 41.0	2.184	3.033	11.4	19.8
3 12	11 47.67	−26 26.6	2.147	3.047	9.4	19.7
3 22	11 39.65	−25 47.3	2.134	3.062	8.2	19.6
4 1	11 32.13	−24 47.0	2.148	3.076	8.3	19.7
4 11	11 25.92	−23 32.4	2.188	3.090	9.6	19.8
4 21	11 21.55	−22 11.1	2.252	3.105	11.5	19.9

347469 2012 TG_{315} 3 16.1 67.°13 1.°5/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 2.54	+ 0 32.1	2.168	3.000	11.9	20.1
2 21	11 58.81	+ 2 12.0	2.101	3.014	8.7	19.9
3 2	11 53.46	+ 4 4.7	2.061	3.027	5.0	19.7
3 12	11 47.10	+ 6 2.7	2.050	3.041	1.7	19.5
3 22	11 40.47	+ 7 57.8	2.069	3.054	3.5	19.6
4 1	11 34.34	+ 9 41.9	2.119	3.068	7.0	19.9
4 11	11 29.40	+11 8.9	2.195	3.082	10.3	20.1
4 21	11 26.10	+12 15.9	2.295	3.095	13.1	20.3

85600 1998 FU_{93} 3 16.2 328.°62 6.°0/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.83	+17 50.5	1.981	2.832	12.1	19.1
2 21	12 3.75	+18 36.3	1.910	2.824	9.3	18.9
3 2	11 56.59	+19 19.0	1.863	2.815	6.8	18.7
3 12	11 48.07	+19 51.4	1.843	2.807	6.0	18.6
3 22	11 39.13	+20 7.4	1.850	2.800	7.6	18.7
4 1	11 30.79	+20 3.3	1.883	2.792	10.4	18.9
4 11	11 23.95	+19 38.2	1.940	2.785	13.3	19.0
4 21	11 19.21	+18 53.7	2.017	2.779	15.9	19.2

472286 2014 WQ_{71} 3 16.2 344.°62 2.°7/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.89	+ 5 0.5	1.504	2.359	15.0	20.9
2 21	12 2.06	+ 5 57.2	1.432	2.355	11.0	20.6
3 2	11 55.79	+ 7 5.5	1.383	2.352	6.6	20.4
3 12	11 47.88	+ 8 17.5	1.359	2.349	2.9	20.1
3 22	11 39.40	+ 9 23.9	1.363	2.346	5.1	20.2
4 1	11 31.60	+10 16.4	1.392	2.344	9.6	20.5
4 11	11 25.55	+10 49.3	1.444	2.343	13.9	20.7
4 21	11 21.92	+11 0.6	1.516	2.341	17.5	21.0

292409 2006 ST_{287} 3 16.2 179.°66 3.°5/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.99	−12 22.9	2.754	3.512	11.6	21.1
2 21	12 1.16	−12 27.2	2.660	3.513	9.4	21.0
3 2	11 54.84	−12 16.5	2.590	3.514	6.8	20.8
3 12	11 47.54	−11 51.8	2.548	3.514	4.4	20.7
3 22	11 39.89	−11 15.5	2.534	3.514	3.5	20.6
4 1	11 32.57	−10 31.3	2.551	3.514	5.1	20.7
4 11	11 26.24	− 9 43.9	2.595	3.513	7.6	20.8
4 21	11 21.37	− 8 58.0	2.665	3.512	10.2	21.0

7230 Lutz 3 16.2 136.°74 0.°8/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.62	+ 1 24.1	1.974	2.796	13.3	18.3
2 21	12 5.63	+ 2 1.2	1.906	2.811	9.8	18.1
3 2	11 57.62	+ 2 49.0	1.863	2.826	5.9	17.9
3 12	11 48.37	+ 3 42.2	1.848	2.839	1.7	17.6
3 22	11 38.79	+ 4 34.7	1.862	2.852	3.0	17.7
4 1	11 29.88	+ 5 20.6	1.906	2.863	7.0	18.0
4 11	11 22.50	+ 5 55.2	1.977	2.874	10.7	18.2
4 21	11 17.19	+ 6 16.0	2.070	2.885	13.8	18.5

194673 2001 XQ_{195} 3 16.2 127.°12 2.°0/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.71	− 6 5.9	1.693	2.501	15.8	20.4
2 21	12 5.31	− 5 47.9	1.621	2.513	12.1	20.2
3 2	11 57.61	− 5 11.0	1.573	2.525	7.9	20.0
3 12	11 48.40	− 4 18.8	1.550	2.536	3.5	19.7
3 22	11 38.76	− 3 17.3	1.555	2.546	2.8	19.7
4 1	11 29.83	− 2 14.1	1.588	2.556	7.0	20.0
4 11	11 22.63	− 1 16.8	1.647	2.566	11.2	20.2
4 21	11 17.77	− 0 31.0	1.729	2.575	14.8	20.5

249822 2001 FY_{177} 3 16.2 329.°35 1.°1/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.63	+ 0 47.4	1.337	2.191	16.6	20.0
2 21	12 1.49	+ 1 30.0	1.258	2.179	12.4	19.7
3 2	11 55.65	+ 2 30.6	1.199	2.168	7.5	19.4
3 12	11 47.90	+ 3 42.5	1.166	2.157	2.2	19.1
3 22	11 39.39	+ 4 56.2	1.157	2.147	4.0	19.1
4 1	11 31.51	+ 6 1.6	1.173	2.138	9.4	19.4
4 11	11 25.50	+ 6 50.2	1.213	2.130	14.4	19.7
4 21	11 22.17	+ 7 17.4	1.271	2.122	18.7	19.9

427305 2014 WO_{267} 3 16.2 285.°28 0.°5/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.45	− 3 16.5	1.635	2.465	15.3	21.1
2 21	12 1.74	− 2 31.8	1.542	2.449	11.6	20.8
3 2	11 55.66	− 1 27.0	1.472	2.433	7.3	20.5
3 12	11 47.89	− 0 6.8	1.427	2.418	2.4	20.2
3 22	11 39.40	+ 1 21.0	1.410	2.402	2.8	20.1
4 1	11 31.36	+ 2 47.0	1.420	2.386	7.9	20.4
4 11	11 24.87	+ 4 2.0	1.454	2.371	12.6	20.6
4 21	11 20.70	+ 4 59.7	1.511	2.355	16.6	20.8

503361 2016 CG_{7} 3 16.2 319.°28 0.°3/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.81	− 1 0.7	1.371	2.216	16.8	21.2
2 21	12 3.12	− 0 43.2	1.287	2.202	12.8	20.9
3 2	11 56.66	− 0 8.1	1.225	2.190	7.9	20.6
3 12	11 48.22	+ 0 40.1	1.186	2.177	2.5	20.2
3 22	11 38.95	+ 1 34.0	1.173	2.165	3.2	20.2
4 1	11 30.27	+ 2 24.9	1.186	2.154	8.8	20.5
4 11	11 23.47	+ 3 4.7	1.221	2.144	13.9	20.8
4 21	11 19.40	+ 3 28.0	1.276	2.134	18.3	21.0

10293 Pribina 3 16.2 255.°83 4.°1/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.07	−12 42.5	2.323	3.090	13.3	17.3
2 21	12 1.55	−12 52.9	2.227	3.084	10.8	17.1
3 2	11 55.24	−12 46.0	2.153	3.077	7.9	16.9
3 12	11 47.71	−12 22.2	2.105	3.071	5.2	16.7
3 22	11 39.70	−11 43.9	2.085	3.064	4.1	16.6
4 1	11 32.05	−10 55.5	2.093	3.057	5.9	16.7
4 11	11 25.55	−10 2.8	2.129	3.051	8.9	16.9
4 21	11 20.76	− 9 11.7	2.190	3.044	11.8	17.0

73366 2002 KO_{8} 3 16.2 192.°18 1.°0/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.45	+ 1 42.3	2.341	3.168	11.4	20.2
2 21	12 0.95	+ 2 36.3	2.258	3.167	8.4	20.0
3 2	11 54.79	+ 3 40.5	2.200	3.165	5.0	19.7
3 12	11 47.56	+ 4 50.0	2.172	3.163	1.5	19.5
3 22	11 39.96	+ 5 58.9	2.173	3.160	2.9	19.6
4 1	11 32.77	+ 7 1.3	2.204	3.158	6.5	19.8
4 11	11 26.72	+ 7 52.4	2.261	3.154	9.8	20.0
4 21	11 22.30	+ 8 29.3	2.343	3.151	12.6	20.2

264696 2002 AD_{96} 3 16.2 227.°70 6.°1/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.19	−15 25.2	1.991	2.746	15.6	20.5
2 21	12 4.93	−16 6.5	1.899	2.743	13.0	20.3
3 2	11 57.45	−16 27.8	1.829	2.740	10.0	20.1
3 12	11 48.41	−16 27.7	1.783	2.737	7.3	20.0
3 22	11 38.72	−16 7.3	1.765	2.734	6.1	19.9
4 1	11 29.47	−15 30.5	1.773	2.730	7.5	20.0
4 11	11 21.66	−14 44.1	1.808	2.726	10.4	20.1
4 21	11 15.99	−13 55.1	1.867	2.723	13.4	20.3

236178 2005 VS_{60} 3 16.2 230.°91 1.°8/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.31	− 5 36.0	1.656	2.469	15.9	21.5
2 21	12 5.36	− 5 16.0	1.564	2.459	12.3	21.3
3 2	11 57.87	− 4 36.0	1.494	2.448	8.0	21.0
3 12	11 48.56	− 3 39.2	1.449	2.436	3.5	20.7
3 22	11 38.50	− 2 31.3	1.432	2.424	2.9	20.6
4 1	11 28.92	− 1 20.7	1.443	2.412	7.6	20.9
4 11	11 21.01	− 0 15.9	1.480	2.398	12.2	21.1
4 21	11 15.55	+ 0 36.4	1.538	2.384	16.3	21.3

96367 1997 WK_{53} 3 16.2 66.°75 4.°5/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.82	+ 9 37.3	1.355	2.214	16.1	19.3
2 21	12 6.46	+10 30.4	1.304	2.228	11.9	19.0
3 2	11 58.39	+11 28.4	1.276	2.243	7.4	18.8
3 12	11 48.64	+12 21.9	1.272	2.257	4.5	18.7
3 22	11 38.55	+13 2.0	1.295	2.271	6.6	18.8
4 1	11 29.50	+13 22.4	1.343	2.286	10.8	19.1
4 11	11 22.62	+13 20.6	1.413	2.301	14.8	19.4
4 21	11 18.50	+12 57.7	1.503	2.315	18.3	19.7

469785 2005 QF_{168} 3 16.2 229.°89 4.°2/21.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.18	−14 33.5	2.778	3.524	11.9	21.8
2 21	12 1.39	−14 47.4	2.674	3.515	9.7	21.6
3 2	11 55.04	−14 45.7	2.594	3.506	7.4	21.4
3 12	11 47.65	−14 28.7	2.540	3.497	5.1	21.3
3 22	11 39.82	−13 58.1	2.515	3.487	4.2	21.2
4 1	11 32.26	−13 17.1	2.519	3.477	5.5	21.3
4 11	11 25.67	−12 30.6	2.551	3.467	7.8	21.4
4 21	11 20.53	−11 43.3	2.609	3.457	10.3	21.5

413162 2002 GW_{188} 3 16.2 289.°17 0.°5/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.88	− 2 27.8	1.521	2.355	16.0	21.2
2 21	12 3.02	− 1 56.7	1.428	2.337	12.2	20.9
3 2	11 56.56	− 1 6.1	1.356	2.319	7.6	20.6
3 12	11 48.20	− 0 0.5	1.309	2.300	2.5	20.3
3 22	11 39.00	+ 1 12.7	1.289	2.282	3.0	20.3
4 1	11 30.24	+ 2 24.4	1.296	2.263	8.4	20.5
4 11	11 23.17	+ 3 25.5	1.327	2.245	13.3	20.7
4 21	11 18.63	+ 4 9.8	1.378	2.227	17.7	21.0

455807 2005 SF_{133} 3 16.2 85.°07 5.°9/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.11	−20 5.3	1.863	2.607	16.9	21.3
2 21	12 0.43	−19 32.3	1.777	2.611	14.1	21.1
3 2	11 54.68	−18 28.7	1.710	2.616	10.9	20.9
3 12	11 47.56	−16 55.4	1.668	2.621	7.7	20.8
3 22	11 39.99	−14 57.6	1.652	2.625	5.9	20.7
4 1	11 32.99	−12 44.3	1.665	2.630	7.1	20.7
4 11	11 27.47	−10 27.1	1.705	2.634	10.1	20.9
4 21	11 24.02	− 8 16.9	1.770	2.639	13.4	21.1

500651 2012 VU_{14} 3 16.2 92.°62 4.°5/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.32	+14 4.8	2.365	3.213	10.5	21.5
2 21	12 0.74	+15 19.5	2.312	3.228	7.8	21.3
3 2	11 54.59	+16 34.3	2.285	3.243	5.4	21.2
3 12	11 47.48	+17 42.3	2.287	3.257	4.5	21.2
3 22	11 40.15	+18 37.8	2.318	3.271	6.1	21.3
4 1	11 33.35	+19 16.5	2.376	3.285	8.5	21.4
4 11	11 27.75	+19 36.5	2.460	3.299	11.0	21.6
4 21	11 23.78	+19 38.3	2.564	3.313	13.2	21.8

522595 2016 ES_{247} 3 16.2 347.°74 2.°1/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 2.88	− 7 30.6	1.514	2.337	16.6	21.4
2 21	11 59.88	− 6 53.9	1.433	2.333	12.9	21.2
3 2	11 54.52	− 5 52.7	1.374	2.328	8.5	20.9
3 12	11 47.55	− 4 31.1	1.338	2.325	3.9	20.6
3 22	11 39.99	− 2 56.8	1.330	2.322	2.9	20.5
4 1	11 33.01	− 1 20.0	1.347	2.320	7.5	20.8
4 11	11 27.69	+ 0 8.7	1.390	2.318	12.1	21.1
4 21	11 24.70	+ 1 21.6	1.454	2.317	16.1	21.3

18722 1998 HF_{148} 3 16.2 199.°73 0.°1/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.24	− 1 14.3	2.626	3.440	10.6	19.4
2 21	11 59.90	− 0 42.8	2.539	3.439	7.9	19.2
3 2	11 54.10	− 0 1.0	2.477	3.437	4.9	19.0
3 12	11 47.35	+ 0 47.5	2.444	3.434	1.5	18.7
3 22	11 40.28	+ 1 38.6	2.441	3.432	2.0	18.7
4 1	11 33.57	+ 2 27.5	2.467	3.430	5.3	19.0
4 11	11 27.84	+ 3 10.0	2.522	3.427	8.4	19.2
4 21	11 23.56	+ 3 42.9	2.601	3.424	11.1	19.3

334528 2002 RY_{198} 3 16.2 213.°03 0.°8/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.79	+ 3 11.2	2.469	3.292	11.0	20.5
2 21	12 3.36	+ 3 29.3	2.380	3.286	8.1	20.3
3 2	11 56.24	+ 3 54.4	2.317	3.280	4.9	20.1
3 12	11 48.01	+ 4 22.8	2.283	3.274	1.5	19.9
3 22	11 39.38	+ 4 50.7	2.279	3.267	2.6	19.9
4 1	11 31.15	+ 5 13.8	2.304	3.260	6.1	20.2
4 11	11 24.05	+ 5 28.9	2.358	3.253	9.3	20.3
4 21	11 18.60	+ 5 33.8	2.435	3.245	12.1	20.5

133195 2003 QE_{59} 3 16.2 238.°81 2.°9/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.96	+ 5 50.3	1.876	2.717	13.1	20.3
2 21	12 4.07	+ 6 57.9	1.786	2.702	9.7	20.1
3 2	11 56.96	+ 8 16.2	1.721	2.687	5.9	19.8
3 12	11 48.28	+ 9 37.7	1.684	2.672	2.9	19.6
3 22	11 38.96	+10 54.3	1.676	2.655	5.0	19.7
4 1	11 30.08	+11 58.0	1.696	2.638	9.0	19.9
4 11	11 22.65	+12 43.3	1.741	2.621	12.9	20.1
4 21	11 17.37	+13 7.9	1.807	2.602	16.3	20.2

158208 2001 SW_{57} 3 16.2 165.°63 2.°4/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.81	− 7 56.8	1.752	2.552	15.7	20.8
2 21	12 4.70	− 7 32.5	1.671	2.557	12.2	20.6
3 2	11 57.29	− 6 47.5	1.613	2.561	8.1	20.3
3 12	11 48.36	− 5 44.8	1.581	2.564	4.0	20.1
3 22	11 38.90	− 4 30.4	1.576	2.567	3.0	20.0
4 1	11 30.06	− 3 12.3	1.601	2.569	6.9	20.3
4 11	11 22.84	− 1 59.2	1.651	2.571	11.1	20.5
4 21	11 17.90	− 0 57.5	1.725	2.572	14.7	20.8

2266 Tchaikovsky 3 16.2 83.°05 4.°0/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.60	−15 39.4	2.639	3.386	12.4	16.3
2 21	11 59.40	−15 26.8	2.561	3.403	10.1	16.2
3 2	11 53.76	−14 56.2	2.506	3.419	7.5	16.0
3 12	11 47.25	−14 9.0	2.478	3.436	5.1	15.9
3 22	11 40.49	−13 8.5	2.478	3.453	4.0	15.8
4 1	11 34.15	−11 59.4	2.507	3.469	5.2	15.9
4 11	11 28.86	−10 47.6	2.564	3.486	7.5	16.1
4 21	11 25.03	− 9 38.5	2.647	3.502	10.0	16.3

161470 2004 EV_{80} 3 16.2 85.°58 3.°2/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.58	+ 7 11.3	1.286	2.140	17.1	20.3
2 21	12 8.74	+ 7 41.9	1.227	2.149	12.7	20.1
3 2	11 59.91	+ 8 20.2	1.190	2.158	7.6	19.8
3 12	11 49.14	+ 8 58.0	1.178	2.167	3.4	19.6
3 22	11 37.89	+ 9 26.9	1.192	2.177	5.6	19.7
4 1	11 27.72	+ 9 40.5	1.232	2.186	10.4	20.0
4 11	11 19.89	+ 9 35.3	1.295	2.195	15.0	20.3
4 21	11 15.08	+ 9 11.3	1.376	2.204	18.9	20.6

210743 2000 UX_{71} 3 16.2 60.°98 2.°8/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.45	− 7 31.6	1.352	2.172	18.4	20.2
2 21	12 4.72	− 7 18.9	1.297	2.193	14.2	20.0
3 2	11 57.35	− 6 42.5	1.262	2.215	9.4	19.8
3 12	11 48.36	− 5 46.6	1.251	2.236	4.6	19.5
3 22	11 39.00	− 4 38.6	1.266	2.258	3.4	19.5
4 1	11 30.63	− 3 28.1	1.308	2.279	7.7	19.8
4 11	11 24.32	− 2 24.5	1.373	2.301	12.2	20.1
4 21	11 20.67	− 1 34.2	1.460	2.323	16.1	20.4

370081 2001 SJ_{136} 3 16.2 220.°68 0.°2/16.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.73	+ 1 2.6	2.177	2.993	12.5	22.0
2 21	12 5.79	+ 1 13.0	2.083	2.984	9.3	21.8
3 2	11 57.85	+ 1 32.8	2.014	2.975	5.7	21.5
3 12	11 48.53	+ 1 58.5	1.974	2.965	1.7	21.2
3 22	11 38.67	+ 2 25.9	1.963	2.954	2.5	21.3
4 1	11 29.23	+ 2 50.4	1.983	2.943	6.6	21.5
4 11	11 21.11	+ 3 7.6	2.029	2.931	10.3	21.7
4 21	11 14.93	+ 3 15.0	2.100	2.919	13.5	21.9

208903 2002 TU_{161} 3 16.2 129.°97 4.°0/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.46	+12 14.7	2.395	3.242	10.4	20.8
2 21	12 0.87	+13 30.5	2.334	3.251	7.7	20.7
3 2	11 54.70	+14 48.1	2.299	3.260	5.1	20.5
3 12	11 47.54	+16 1.0	2.294	3.268	4.1	20.4
3 22	11 40.11	+17 3.0	2.317	3.276	5.6	20.6
4 1	11 33.17	+17 49.4	2.369	3.284	8.2	20.7
4 11	11 27.40	+18 17.8	2.446	3.292	10.9	20.9
4 21	11 23.25	+18 27.9	2.545	3.300	13.1	21.1

299514 2006 CT_{27} 3 16.2 174.°80 1.°0/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.39	− 3 12.8	1.733	2.549	15.2	22.3
2 21	12 5.90	− 2 53.5	1.653	2.552	11.5	22.0
3 2	11 58.04	− 2 18.0	1.596	2.554	7.3	21.8
3 12	11 48.60	− 1 30.2	1.566	2.555	2.7	21.5
3 22	11 38.62	− 0 36.0	1.563	2.556	2.6	21.5
4 1	11 29.25	+ 0 17.4	1.590	2.556	7.2	21.8
4 11	11 21.56	+ 1 3.3	1.642	2.555	11.5	22.0
4 21	11 16.20	+ 1 37.0	1.716	2.554	15.2	22.3

30960 1994 UV_2 3 16.2 86.°58 0.°6/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.85	+ 0 43.8	1.451	2.287	16.5	19.1
2 21	12 7.04	+ 1 14.4	1.397	2.309	12.2	18.9
3 2	11 58.67	+ 1 59.0	1.366	2.330	7.3	18.6
3 12	11 48.75	+ 2 51.0	1.360	2.351	2.1	18.4
3 22	11 38.52	+ 3 42.7	1.381	2.372	3.4	18.5
4 1	11 29.30	+ 4 26.5	1.430	2.392	8.3	18.8
4 11	11 22.13	+ 4 56.9	1.503	2.412	12.7	19.1
4 21	11 17.59	+ 5 11.2	1.597	2.432	16.3	19.4

100337 1995 SY_{36} 3 16.2 209.°93 0.°3/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.70	− 2 35.9	2.578	3.389	10.9	20.1
2 21	11 59.56	− 1 50.9	2.487	3.385	8.2	19.9
3 2	11 53.93	− 0 53.8	2.423	3.381	5.0	19.7
3 12	11 47.34	+ 0 11.6	2.387	3.377	1.6	19.4
3 22	11 40.40	+ 1 20.5	2.381	3.372	2.0	19.5
4 1	11 33.80	+ 2 27.5	2.405	3.367	5.4	19.7
4 11	11 28.20	+ 3 27.4	2.457	3.362	8.6	19.9
4 21	11 24.05	+ 4 16.5	2.533	3.357	11.3	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
377415	2004 TZ_{112}		3 16.2	179.°98	3.°6/20.2	17
	h m	° ′			°	m
2 11	12 7.45	−11 47.5	2.339	3.107	13.2	21.3
2 21	12 2.51	−11 45.8	2.248	3.108	10.6	21.1
3 2	11 55.80	−11 26.7	2.180	3.109	7.6	20.9
3 12	11 47.92	−10 51.3	2.139	3.109	4.7	20.7
3 22	11 39.61	−10 2.9	2.126	3.109	3.6	20.6
4 1	11 31.71	− 9 6.2	2.143	3.108	5.7	20.8
4 11	11 24.99	− 8 7.4	2.187	3.107	8.7	21.0
4 21	11 20.01	− 7 12.1	2.257	3.106	11.7	21.1
71	Niobe		3 16.2	332.°90	12.°7/23.6	18
2 11	12 14.32	−24 47.3	1.684	2.390	19.8	11.0
2 21	12 8.96	−27 2.1	1.590	2.377	17.7	10.9
3 2	12 0.48	−28 54.8	1.516	2.364	15.5	10.7
3 12	11 49.51	−30 17.5	1.462	2.353	13.7	10.5
3 22	11 37.18	−31 4.5	1.432	2.342	12.7	10.5
4 1	11 25.03	−31 14.9	1.425	2.332	13.2	10.5
4 11	11 14.65	−30 54.3	1.440	2.322	14.9	10.5
4 21	11 7.20	−30 12.4	1.476	2.314	17.3	10.6
343503	2010 EW_{107}		3 16.2	4.°73	3.°3/13.4	18
2 11	12 9.01	+ 9 35.9	1.819	2.667	13.1	19.8
2 21	12 3.98	+10 0.8	1.748	2.667	9.7	19.6
3 2	11 56.79	+10 29.1	1.702	2.668	6.0	19.4
3 12	11 48.22	+10 54.8	1.683	2.669	3.3	19.2
3 22	11 39.25	+11 12.2	1.691	2.670	5.0	19.3
4 1	11 30.92	+11 16.8	1.726	2.672	8.7	19.5
4 11	11 24.17	+11 6.3	1.787	2.674	12.2	19.7
4 21	11 19.58	+10 40.4	1.868	2.676	15.4	19.9
373583	2002 AJ_{137}		3 16.2	354.°81	2.°7/13.5	17
2 11	12 5.61	+ 5 11.6	1.741	2.590	13.6	20.4
2 21	12 1.57	+ 6 15.9	1.669	2.589	10.0	20.1
3 2	11 55.40	+ 7 30.5	1.621	2.589	5.9	19.9
3 12	11 47.82	+ 8 47.7	1.600	2.588	2.7	19.7
3 22	11 39.79	+ 9 59.5	1.606	2.588	4.7	19.8
4 1	11 32.34	+10 58.0	1.640	2.588	8.8	20.0
4 11	11 26.41	+11 38.2	1.698	2.588	12.6	20.3
4 21	11 22.62	+11 58.1	1.777	2.588	15.9	20.5
512405	2016 PM_{67}		3 16.2	236.°22	1.°7/18.6	17
2 11	12 3.29	− 8 17.4	2.914	3.697	10.5	22.1
2 21	11 59.17	− 7 38.8	2.808	3.683	8.2	21.9
3 2	11 53.68	− 6 46.0	2.726	3.669	5.5	21.7
3 12	11 47.28	− 5 41.2	2.673	3.655	2.7	21.5
3 22	11 40.52	− 4 28.4	2.650	3.641	2.0	21.5
4 1	11 34.01	− 3 12.4	2.658	3.626	4.6	21.6
4 11	11 28.35	− 1 58.5	2.696	3.610	7.5	21.8
4 21	11 24.00	− 0 51.3	2.759	3.594	10.2	21.9
149464	2003 EP_{7}		3 16.2	223.°45	3.°8/19.6	18
2 11	12 11.11	−10 11.7	2.187	2.961	13.8	19.9
2 21	12 5.44	−10 33.4	2.087	2.952	11.1	19.7
3 2	11 57.71	−10 39.2	2.011	2.943	7.9	19.5
3 12	11 48.54	−10 29.4	1.962	2.934	4.9	19.3
3 22	11 38.76	−10 6.0	1.941	2.924	3.9	19.2
4 1	11 29.34	− 9 33.2	1.950	2.914	6.3	19.4
4 11	11 21.20	− 8 56.4	1.986	2.903	9.6	19.5
4 21	11 15.01	− 8 21.2	2.046	2.892	12.8	19.7
318870	2005 TX_{81}		3 16.2	346.°76	3.°2/19.1	17
2 11	12 3.41	− 9 15.8	1.488	2.305	17.2	20.0
2 21	12 0.36	− 8 57.4	1.406	2.299	13.6	19.7
3 2	11 54.88	− 8 13.8	1.345	2.295	9.3	19.5
3 12	11 47.72	− 7 7.6	1.308	2.290	4.9	19.2
3 22	11 39.92	− 5 45.3	1.296	2.287	3.6	19.1
4 1	11 32.71	− 4 16.3	1.311	2.284	7.5	19.3
4 11	11 27.19	− 2 51.2	1.349	2.282	12.0	19.6
4 21	11 24.08	− 1 38.6	1.410	2.281	16.1	19.8
402382	2005 YY_{64}		3 16.2	11.°00	7.°3/10.9	17
2 11	12 5.15	+12 18.6	1.004	1.891	18.1	20.4
2 21	12 2.36	+13 45.3	0.956	1.892	13.5	20.2
3 2	11 56.32	+15 16.6	0.927	1.896	9.1	19.9
3 12	11 48.15	+16 37.9	0.921	1.900	7.3	19.8
3 22	11 39.42	+17 35.6	0.937	1.906	10.0	20.0
4 1	11 31.81	+18 1.0	0.975	1.913	14.4	20.3
4 11	11 26.69	+17 52.1	1.031	1.922	18.8	20.5
4 21	11 24.71	+17 12.2	1.103	1.932	22.5	20.8
430196	2013 TT_{130}		3 16.2	139.°03	5.°0/21.9	17
2 11	12 6.76	−16 26.4	2.196	2.945	14.5	21.4
2 21	12 2.10	−16 26.0	2.111	2.952	12.0	21.2
3 2	11 55.60	−16 4.0	2.048	2.959	9.1	21.0
3 12	11 47.88	−15 21.0	2.010	2.966	6.3	20.9
3 22	11 39.76	−14 20.1	1.999	2.972	5.0	20.8
4 1	11 32.11	−13 6.9	2.017	2.978	6.4	20.9
4 11	11 25.76	−11 48.6	2.062	2.984	9.1	21.1
4 21	11 21.24	−10 32.5	2.132	2.989	11.9	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
503181	2015 GH_{44}		3 16.2	208.°73	6.°3/ 8.6	17
	h m	° ′			°	m
2 11	12 8.35	+21 9.4	2.382	3.226	10.6	21.5
2 21	12 3.11	+22 12.0	2.319	3.224	8.4	21.3
3 2	11 56.12	+23 9.8	2.282	3.221	6.7	21.2
3 12	11 48.02	+23 55.8	2.272	3.219	6.4	21.2
3 22	11 39.60	+24 24.9	2.290	3.217	7.8	21.3
4 1	11 31.71	+24 33.6	2.335	3.214	9.9	21.4
4 11	11 25.12	+24 21.5	2.403	3.211	12.2	21.6
4 21	11 20.31	+23 50.2	2.492	3.208	14.3	21.7
326421	2001 TU_{76}		3 16.2	113.°48	1.°3/14.8	18
2 11	12 10.18	+ 3 15.1	2.153	2.979	12.2	21.5
2 21	12 4.39	+ 3 55.9	2.092	3.001	9.0	21.3
3 2	11 56.84	+ 4 44.8	2.057	3.021	5.3	21.1
3 12	11 48.22	+ 5 36.6	2.051	3.042	1.7	20.9
3 22	11 39.37	+ 6 25.5	2.074	3.061	3.1	21.0
4 1	11 31.17	+ 7 6.6	2.127	3.080	6.7	21.3
4 11	11 24.36	+ 7 36.0	2.207	3.098	10.0	21.5
4 21	11 19.42	+ 7 51.9	2.310	3.116	12.8	21.7
402107	2003 YB_{47}		3 16.2	98.°17	2.°1/14.3	18
2 11	12 10.49	+ 4 15.1	1.698	2.538	14.3	21.6
2 21	12 5.04	+ 5 8.2	1.642	2.557	10.5	21.4
3 2	11 57.39	+ 6 10.7	1.610	2.576	6.2	21.2
3 12	11 48.40	+ 7 15.5	1.605	2.595	2.4	21.0
3 22	11 39.13	+ 8 14.8	1.628	2.613	4.2	21.1
4 1	11 30.68	+ 9 2.0	1.679	2.631	8.3	21.4
4 11	11 23.95	+ 9 32.8	1.755	2.648	12.1	21.7
4 21	11 19.49	+ 9 45.6	1.853	2.665	15.3	21.9
382359	2013 TO_{93}		3 16.2	135.°51	0.°4/15.8	17
2 11	12 6.86	+ 0 9.0	2.112	2.937	12.5	21.4
2 21	12 2.13	+ 0 44.6	2.036	2.942	9.3	21.2
3 2	11 55.58	+ 1 31.6	1.985	2.948	5.6	21.0
3 12	11 47.87	+ 2 25.2	1.962	2.953	1.6	20.7
3 22	11 39.81	+ 3 20.0	1.967	2.958	2.5	20.8
4 1	11 32.26	+ 4 10.1	2.002	2.963	6.5	21.1
4 11	11 26.00	+ 4 50.6	2.063	2.967	10.0	21.3
4 21	11 21.56	+ 5 18.5	2.148	2.972	13.1	21.5
247506	2002 PQ_{91}		3 16.2	153.°84	2.°3/13.7	18
2 11	12 9.77	+ 5 53.1	2.133	2.967	12.1	21.2
2 21	12 4.22	+ 6 48.5	2.063	2.976	8.8	21.0
3 2	11 56.82	+ 7 51.0	2.019	2.984	5.3	20.8
3 12	11 48.24	+ 8 54.4	2.004	2.992	2.4	20.7
3 22	11 39.32	+ 9 52.4	2.018	2.999	4.1	20.8
4 1	11 30.98	+10 39.3	2.062	3.006	7.6	21.0
4 11	11 24.01	+11 11.3	2.132	3.011	10.9	21.2
4 21	11 18.93	+11 27.1	2.224	3.016	13.7	21.4
409505	2005 ST_{258}		3 16.2	80.°03	0.°5/16.8	18
2 11	12 7.77	− 5 3.5	1.873	2.684	14.4	21.5
2 21	12 2.76	− 3 49.8	1.820	2.717	10.7	21.3
3 2	11 55.89	− 2 18.9	1.791	2.749	6.6	21.2
3 12	11 47.93	− 0 37.4	1.791	2.781	2.2	20.9
3 22	11 39.80	+ 1 6.3	1.820	2.812	2.4	21.0
4 1	11 32.43	+ 2 43.6	1.878	2.843	6.5	21.3
4 11	11 26.58	+ 4 7.4	1.964	2.873	10.2	21.6
4 21	11 22.71	+ 5 13.6	2.074	2.902	13.3	21.9
313016	1999 VD_{223}		3 16.2	104.°93	2.°1/14.1	18
2 11	12 9.75	+ 4 0.6	1.754	2.593	14.0	20.9
2 21	12 4.45	+ 5 1.7	1.696	2.611	10.2	20.7
3 2	11 57.02	+ 6 12.6	1.663	2.630	6.0	20.5
3 12	11 48.30	+ 7 26.0	1.657	2.647	2.4	20.3
3 22	11 39.28	+ 8 33.9	1.680	2.665	4.2	20.4
4 1	11 31.04	+ 9 29.3	1.731	2.682	8.2	20.7
4 11	11 24.45	+10 7.7	1.807	2.698	12.0	21.0
4 21	11 20.04	+10 27.5	1.905	2.714	15.1	21.2
323833	2005 SX_{51}		3 16.2	256.°79	1.°8/18.0	17
2 11	12 6.01	− 6 48.6	1.953	2.758	14.1	21.4
2 21	12 1.84	− 6 15.0	1.854	2.744	11.0	21.1
3 2	11 55.62	− 5 22.1	1.778	2.730	7.2	20.9
3 12	11 47.94	− 4 13.0	1.729	2.715	3.2	20.6
3 22	11 39.66	− 2 53.2	1.708	2.700	2.5	20.5
4 1	11 31.75	− 1 30.2	1.716	2.685	6.5	20.7
4 11	11 25.17	− 0 12.3	1.751	2.669	10.6	20.9
4 21	11 20.57	+ 0 54.3	1.808	2.653	14.3	21.1
420085	2011 EH_{50}		3 16.2	73.°94	5.°9/10.8	18
2 11	12 10.42	+15 59.6	1.782	2.635	13.2	20.6
2 21	12 4.97	+16 59.6	1.730	2.646	9.9	20.4
3 2	11 57.35	+17 57.5	1.702	2.658	7.0	20.3
3 12	11 48.40	+18 45.0	1.700	2.669	5.9	20.3
3 22	11 39.16	+19 15.3	1.726	2.680	7.6	20.4
4 1	11 30.73	+19 24.3	1.778	2.692	10.6	20.6
4 11	11 24.02	+19 11.2	1.853	2.703	13.6	20.8
4 21	11 19.55	+18 37.9	1.948	2.714	16.3	21.0

338405 2003 BB_{19} 3 16.2 66.°67 8.°2/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.14	−22 59.3	2.246	2.942	15.7	20.1
2 21	12 6.19	−24 10.8	2.169	2.957	13.6	19.9
3 2	11 58.14	−25 0.5	2.112	2.972	11.3	19.8
3 12	11 48.68	−25 25.7	2.080	2.987	9.3	19.7
3 22	11 38.69	−25 26.1	2.073	3.002	8.3	19.6
4 1	11 29.20	−25 4.4	2.093	3.017	8.6	19.7
4 11	11 21.13	−24 26.4	2.138	3.033	10.2	19.8
4 21	11 15.12	−23 39.3	2.208	3.048	12.2	20.0

142621 2002 TU_{157} 3 16.2 116.°31 6.°2/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.42	+17 22.5	1.892	2.739	12.8	20.0
2 21	12 6.31	+18 32.6	1.843	2.755	9.7	19.9
3 2	11 58.10	+19 39.3	1.820	2.771	7.1	19.7
3 12	11 48.61	+20 34.1	1.823	2.786	6.3	19.7
3 22	11 38.88	+21 10.4	1.855	2.800	7.9	19.8
4 1	11 29.98	+21 24.3	1.913	2.814	10.7	20.0
4 11	11 22.78	+21 15.3	1.994	2.828	13.5	20.2
4 21	11 17.80	+20 45.8	2.096	2.841	15.9	20.4

21052 1990 UG_5 3 16.2 134.°39 0.°5/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.88	− 3 36.3	2.267	3.077	12.2	20.1
2 21	12 1.28	− 2 49.9	2.191	3.087	9.2	19.9
3 2	11 55.01	− 1 49.7	2.140	3.097	5.7	19.7
3 12	11 47.70	− 0 40.0	2.117	3.106	2.0	19.4
3 22	11 40.08	+ 0 33.6	2.123	3.115	2.1	19.4
4 1	11 32.94	+ 1 44.8	2.160	3.124	5.8	19.7
4 11	11 27.01	+ 2 47.8	2.224	3.132	9.2	19.9
4 21	11 22.75	+ 3 38.8	2.312	3.140	12.1	20.1

200709 2001 UO_{149} 3 16.2 111.°10 3.°3/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.22	+ 6 57.1	1.573	2.420	14.9	20.8
2 21	12 6.50	+ 7 55.5	1.517	2.436	10.9	20.6
3 2	11 58.36	+ 9 1.5	1.485	2.451	6.6	20.4
3 12	11 48.71	+10 6.7	1.479	2.466	3.4	20.2
3 22	11 38.74	+11 2.6	1.501	2.481	5.4	20.4
4 1	11 29.66	+11 42.5	1.550	2.495	9.5	20.7
4 11	11 22.48	+12 2.7	1.623	2.508	13.4	20.9
4 21	11 17.78	+12 2.9	1.716	2.521	16.6	21.2

410104 2007 EJ_{130} 3 16.2 49.°22 5.°5/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.63	+ 8 59.1	1.375	2.242	15.4	20.0
2 21	12 1.76	+11 7.6	1.340	2.269	11.2	19.8
3 2	11 55.50	+13 21.5	1.330	2.297	7.1	19.6
3 12	11 47.85	+15 27.0	1.346	2.325	5.5	19.6
3 22	11 39.98	+17 12.0	1.388	2.353	7.9	19.8
4 1	11 33.10	+18 28.5	1.456	2.382	11.6	20.1
4 11	11 28.14	+19 13.4	1.546	2.411	15.1	20.4
4 21	11 25.57	+19 28.7	1.655	2.440	18.0	20.7

522709 2016 LO_{60} 3 16.2 267.°65 6.°0/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.36	−20 20.2	2.462	3.182	13.8	21.4
2 21	12 0.30	−20 32.1	2.361	3.175	11.8	21.2
3 2	11 54.54	−20 22.9	2.280	3.168	9.4	21.0
3 12	11 47.60	−19 52.0	2.225	3.160	7.2	20.9
3 22	11 40.20	−19 1.0	2.196	3.153	6.0	20.8
4 1	11 33.12	−17 54.0	2.194	3.145	6.7	20.8
4 11	11 27.14	−16 37.4	2.220	3.138	8.7	20.9
4 21	11 22.80	−15 18.0	2.271	3.130	11.2	21.1

246984 1999 TM_{269} 3 16.2 211.°68 4.°3/20.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.76	−12 26.6	1.996	2.768	15.0	21.2
2 21	12 4.61	−12 32.3	1.900	2.762	12.2	21.0
3 2	11 57.29	−12 17.5	1.827	2.755	8.9	20.8
3 12	11 48.46	−11 42.8	1.779	2.748	5.6	20.6
3 22	11 39.00	−10 51.3	1.758	2.740	4.4	20.5
4 1	11 29.97	− 9 48.6	1.767	2.732	6.7	20.6
4 11	11 22.35	− 8 42.2	1.802	2.723	10.2	20.8
4 21	11 16.80	− 7 39.4	1.861	2.714	13.6	21.0

285782 2000 WQ_{11} 3 16.2 209.°17 3.°2/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.42	+11 10.6	2.491	3.331	10.3	20.5
2 21	12 2.33	+11 48.0	2.415	3.329	7.6	20.3
3 2	11 55.62	+12 27.3	2.365	3.327	4.9	20.1
3 12	11 47.90	+13 3.5	2.343	3.324	3.2	20.0
3 22	11 39.84	+13 31.8	2.351	3.322	4.6	20.1
4 1	11 32.24	+13 48.6	2.388	3.319	7.4	20.2
4 11	11 25.77	+13 51.6	2.451	3.316	10.2	20.4
4 21	11 20.91	+13 40.6	2.536	3.313	12.6	20.6

452086 2014 PK_{30} 3 16.2 197.°14 2.°1/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.48	+ 3 47.2	1.731	2.571	14.1	21.7
2 21	12 4.51	+ 4 42.5	1.654	2.569	10.4	21.5
3 2	11 57.25	+ 5 49.4	1.600	2.567	6.2	21.2
3 12	11 48.44	+ 7 0.8	1.574	2.564	2.3	21.0
3 22	11 39.09	+ 8 8.9	1.576	2.561	4.3	21.1
4 1	11 30.34	+ 9 5.9	1.606	2.558	8.6	21.4
4 11	11 23.21	+ 9 46.1	1.660	2.554	12.7	21.6
4 21	11 18.36	+10 7.2	1.736	2.549	16.1	21.8

264174 2010 CR_{149} 3 16.2 107.°03 0.°5/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.63	+ 0 17.1	2.074	2.902	12.6	21.3
2 21	12 1.28	+ 0 56.5	1.996	2.904	9.3	21.1
3 2	11 55.11	+ 1 47.6	1.943	2.907	5.6	20.9
3 12	11 47.76	+ 2 45.5	1.918	2.909	1.6	20.6
3 22	11 40.04	+ 3 44.5	1.921	2.912	2.6	20.7
4 1	11 32.80	+ 4 38.4	1.953	2.914	6.6	21.0
4 11	11 26.86	+ 5 22.0	2.012	2.916	10.2	21.2
4 21	11 22.72	+ 5 52.2	2.093	2.919	13.3	21.4

81959 2000 QQ_{17} 3 16.2 235.°63 1.°6/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.31	+ 4 5.6	2.614	3.445	10.2	20.0
2 21	12 0.04	+ 4 59.4	2.523	3.435	7.5	19.8
3 2	11 54.28	+ 6 1.3	2.459	3.424	4.4	19.6
3 12	11 47.51	+ 7 6.3	2.423	3.413	1.7	19.4
3 22	11 40.37	+ 8 9.4	2.418	3.402	3.1	19.5
4 1	11 33.55	+ 9 5.4	2.442	3.390	6.3	19.7
4 11	11 27.71	+ 9 50.2	2.494	3.378	9.3	19.8
4 21	11 23.32	+10 21.3	2.569	3.366	11.9	20.0

169568 Baranauskas 3 16.2 339.°00 2.°1/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.65	+ 2 52.8	1.266	2.127	16.9	19.2
2 21	12 2.37	+ 3 43.0	1.194	2.120	12.5	18.9
3 2	11 56.26	+ 4 49.3	1.143	2.113	7.5	18.6
3 12	11 48.20	+ 6 3.7	1.116	2.107	2.6	18.2
3 22	11 39.41	+ 7 15.7	1.113	2.101	4.8	18.4
4 1	11 31.35	+ 8 15.0	1.136	2.097	10.2	18.6
4 11	11 25.30	+ 8 53.9	1.180	2.093	15.1	18.9
4 21	11 22.04	+ 9 9.2	1.243	2.090	19.4	19.2

140046 2001 SQ_{81} 3 16.2 17.°27 2.°2/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.85	− 5 38.2	2.122	2.924	13.3	19.8
2 21	12 2.94	− 5 45.6	2.037	2.925	10.3	19.6
3 2	11 56.14	− 5 39.2	1.976	2.925	6.8	19.4
3 12	11 48.09	− 5 21.0	1.942	2.926	3.3	19.2
3 22	11 39.59	− 4 54.4	1.937	2.927	2.6	19.2
4 1	11 31.56	− 4 23.8	1.960	2.928	5.9	19.4
4 11	11 24.82	− 3 54.4	2.010	2.929	9.4	19.6
4 21	11 19.94	− 3 30.5	2.084	2.930	12.6	19.8

364681 2007 TA_{372} 3 16.2 148.°65 0.°6/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.96	+ 1 48.4	1.740	2.569	14.6	21.6
2 21	12 7.00	+ 2 5.3	1.667	2.575	10.8	21.3
3 2	11 58.70	+ 2 33.0	1.617	2.581	6.5	21.1
3 12	11 48.86	+ 3 6.8	1.595	2.586	1.9	20.8
3 22	11 38.56	+ 3 40.8	1.601	2.591	3.1	20.9
4 1	11 28.96	+ 4 9.1	1.635	2.596	7.6	21.2
4 11	11 21.08	+ 4 27.2	1.695	2.600	11.8	21.4
4 21	11 15.56	+ 4 32.4	1.778	2.604	15.3	21.7

497269 2005 JW_{185} 3 16.2 258.°74 0.°5/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.77	− 3 35.9	1.909	2.727	13.9	21.3
2 21	12 2.50	− 2 46.4	1.807	2.708	10.6	21.0
3 2	11 56.09	− 1 38.4	1.729	2.688	6.6	20.7
3 12	11 48.13	− 0 16.1	1.678	2.668	2.2	20.4
3 22	11 39.49	+ 1 13.6	1.655	2.647	2.6	20.4
4 1	11 31.19	+ 2 42.2	1.661	2.626	7.2	20.6
4 11	11 24.22	+ 4 1.5	1.694	2.604	11.5	20.8
4 21	11 19.30	+ 5 5.6	1.750	2.582	15.2	21.0

329810 2004 RY_{87} 3 16.2 241.°08 5.°5/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.48	+15 20.1	2.153	3.002	11.3	20.9
2 21	12 2.76	+16 47.4	2.074	2.989	8.6	20.7
3 2	11 56.09	+18 16.2	2.021	2.975	6.3	20.5
3 12	11 48.09	+19 38.4	1.997	2.961	5.6	20.4
3 22	11 39.59	+20 46.3	2.000	2.947	7.4	20.5
4 1	11 31.52	+21 34.0	2.031	2.932	10.2	20.6
4 11	11 24.74	+21 58.7	2.086	2.916	13.1	20.8
4 21	11 19.86	+22 0.6	2.161	2.900	15.6	20.9

511887 2015 GV_{45} 3 16.2 239.°23 0.°6/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.46	− 4 21.6	2.799	3.601	10.4	22.0
2 21	11 59.36	− 3 30.7	2.695	3.587	7.9	21.8
3 2	11 53.85	− 2 26.6	2.617	3.572	5.0	21.6
3 12	11 47.39	− 1 12.8	2.569	3.558	1.8	21.3
3 22	11 40.56	+ 0 6.2	2.550	3.542	1.8	21.3
4 1	11 33.99	+ 1 24.8	2.563	3.527	5.0	21.5
4 11	11 28.31	+ 2 37.9	2.605	3.511	8.1	21.7
4 21	11 23.96	+ 3 41.1	2.672	3.495	10.8	21.8

223646 2004 ME_4 3 16.2 206.°53 5.°6/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.71	+16 27.4	2.213	3.060	11.2	21.1
2 21	12 3.56	+17 47.8	2.142	3.055	8.5	21.0
3 2	11 56.50	+19 7.8	2.098	3.049	6.3	20.8
3 12	11 48.20	+20 19.5	2.081	3.043	5.7	20.8
3 22	11 39.48	+21 16.2	2.093	3.037	7.3	20.8
4 1	11 31.26	+21 52.7	2.133	3.029	10.0	21.0
4 11	11 24.36	+22 7.2	2.196	3.022	12.7	21.2
4 21	11 19.34	+22 0.4	2.280	3.014	15.1	21.3

40473 1999 RR_{50} 3 16.2 231.°13 1.°3/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.32	+ 2 43.4	1.876	2.707	13.5	19.8
2 21	12 5.09	+ 3 21.6	1.786	2.697	10.1	19.6
3 2	11 57.62	+ 4 11.1	1.720	2.685	6.0	19.3
3 12	11 48.59	+ 5 6.6	1.682	2.673	1.9	19.0
3 22	11 38.93	+ 6 1.3	1.673	2.661	3.5	19.1
4 1	11 29.74	+ 6 48.6	1.692	2.648	7.9	19.3
4 11	11 22.03	+ 7 23.0	1.737	2.634	12.0	19.5
4 21	11 16.49	+ 7 41.5	1.804	2.620	15.5	19.7

321614 2009 VS_{92} 3 16.2 142.°56 1.°9/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.98	+ 4 45.1	2.233	3.065	11.6	21.6
2 21	12 2.84	+ 5 37.3	2.163	3.075	8.5	21.4
3 2	11 55.98	+ 6 37.0	2.119	3.085	5.0	21.2
3 12	11 48.03	+ 7 38.7	2.104	3.094	2.0	21.0
3 22	11 39.78	+ 8 36.3	2.119	3.102	3.6	21.1
4 1	11 32.05	+ 9 24.5	2.163	3.110	7.0	21.4
4 11	11 25.60	+ 9 59.3	2.233	3.118	10.2	21.6
4 21	11 20.91	+10 19.2	2.327	3.125	13.0	21.8

469015 2015 AC_{228} 3 16.2 126.°90 0.°1/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.10	− 2 55.3	2.089	2.907	12.9	21.2
2 21	12 0.87	− 1 54.8	2.013	2.915	9.6	21.0
3 2	11 54.85	− 0 39.1	1.962	2.923	5.9	20.8
3 12	11 47.71	+ 0 46.5	1.939	2.930	1.8	20.5
3 22	11 40.22	+ 2 15.0	1.946	2.937	2.4	20.5
4 1	11 33.24	+ 3 39.2	1.981	2.944	6.4	20.8
4 11	11 27.52	+ 4 52.3	2.044	2.951	10.0	21.0
4 21	11 23.59	+ 5 50.3	2.131	2.957	13.1	21.3

424598 2008 GS_{144} 3 16.2 298.°12 2.°6/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.98	+ 7 18.3	1.638	2.482	14.6	20.8
2 21	12 7.61	+ 7 30.9	1.536	2.453	11.0	20.5
3 2	11 59.46	+ 7 49.7	1.458	2.424	6.8	20.1
3 12	11 49.23	+ 8 9.0	1.405	2.395	2.9	19.8
3 22	11 37.99	+ 8 22.7	1.380	2.365	4.8	19.9
4 1	11 27.11	+ 8 24.8	1.383	2.336	9.5	20.1
4 11	11 17.91	+ 8 11.4	1.409	2.307	14.2	20.3
4 21	11 11.31	+ 7 41.5	1.457	2.278	18.3	20.4

334776 2003 SG_{128} 3 16.2 156.°46 3.°3/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.45	−11 11.3	2.438	3.208	12.7	21.3
2 21	12 2.44	−11 10.5	2.352	3.213	10.1	21.1
3 2	11 55.76	−10 53.6	2.288	3.219	7.2	21.0
3 12	11 47.99	−10 21.7	2.252	3.224	4.4	20.8
3 22	11 39.84	− 9 38.0	2.244	3.228	3.4	20.7
4 1	11 32.12	− 8 47.0	2.267	3.232	5.5	20.9
4 11	11 25.53	− 7 54.3	2.317	3.236	8.4	21.1
4 21	11 20.60	− 7 5.0	2.392	3.239	11.1	21.2

142202 2002 RY_{57} 3 16.2 184.°76 1.°3/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.57	− 5 13.6	2.193	2.993	12.9	21.6
2 21	12 3.43	− 4 42.6	2.105	2.994	9.9	21.4
3 2	11 56.44	− 3 56.3	2.041	2.993	6.4	21.2
3 12	11 48.21	− 2 57.9	2.005	2.992	2.6	21.0
3 22	11 39.54	− 1 52.7	1.999	2.991	2.2	20.9
4 1	11 31.32	− 0 46.7	2.022	2.988	6.0	21.2
4 11	11 24.36	+ 0 13.7	2.074	2.985	9.6	21.4
4 21	11 19.24	+ 1 4.0	2.149	2.982	12.8	21.6

500593 2012 UN_{106} 3 16.2 118.°32 3.°1/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.37	−11 34.0	2.428	3.201	12.6	21.5
2 21	12 0.15	−11 15.3	2.343	3.208	10.0	21.3
3 2	11 54.36	−10 39.3	2.282	3.215	7.1	21.2
3 12	11 47.56	− 9 47.8	2.248	3.221	4.3	21.0
3 22	11 40.44	− 8 44.9	2.242	3.228	3.2	20.9
4 1	11 33.73	− 7 35.8	2.266	3.234	5.3	21.1
4 11	11 28.12	− 6 26.6	2.318	3.240	8.2	21.3
4 21	11 24.08	− 5 22.8	2.395	3.246	11.0	21.4

406394 2007 TD_{33} 3 16.2 111.°45 1.°5/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.85	+ 2 55.0	1.641	2.479	14.8	21.9
2 21	12 5.49	+ 3 33.3	1.576	2.490	10.9	21.7
3 2	11 57.80	+ 4 22.8	1.535	2.501	6.5	21.4
3 12	11 48.62	+ 5 17.0	1.520	2.511	2.1	21.2
3 22	11 39.03	+ 6 8.7	1.533	2.521	3.7	21.3
4 1	11 30.22	+ 6 50.9	1.574	2.531	8.2	21.6
4 11	11 23.18	+ 7 18.7	1.639	2.541	12.3	21.8
4 21	11 18.50	+ 7 29.9	1.726	2.550	15.8	22.1

38106 1999 JG_{23} 3 16.2 242.°85 0.°9/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.17	− 4 9.5	1.941	2.751	14.0	19.9
2 21	12 4.28	− 3 35.1	1.838	2.734	10.7	19.7
3 2	11 57.18	− 2 43.2	1.759	2.716	6.8	19.4
3 12	11 48.49	− 1 37.3	1.708	2.697	2.5	19.1
3 22	11 39.10	− 0 23.4	1.685	2.677	2.5	19.0
4 1	11 30.05	+ 0 51.1	1.691	2.657	7.0	19.3
4 11	11 22.36	+ 1 58.6	1.724	2.635	11.2	19.5
4 21	11 16.76	+ 2 53.3	1.780	2.614	15.0	19.7

275689 2000 SN_{138} 3 16.2 218.°10 1.°8/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.27	− 7 13.1	2.518	3.305	11.8	21.5
2 21	12 2.34	− 6 48.1	2.416	3.295	9.2	21.3
3 2	11 55.75	− 6 8.2	2.338	3.284	6.1	21.1
3 12	11 48.01	− 5 15.7	2.289	3.272	3.0	20.9
3 22	11 39.82	− 4 14.8	2.269	3.260	2.3	20.8
4 1	11 31.94	− 3 10.5	2.280	3.247	5.3	21.0
4 11	11 25.11	− 2 8.5	2.319	3.233	8.6	21.2
4 21	11 19.86	− 1 13.8	2.384	3.219	11.6	21.3

336420 2008 UM_{207} 3 16.2 302.°30 4.°0/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.85	−12 27.1	1.973	2.754	14.9	20.4
2 21	12 0.96	−12 19.7	1.881	2.749	12.0	20.2
3 2	11 55.08	−11 50.8	1.811	2.743	8.7	20.0
3 12	11 47.83	−11 1.7	1.767	2.738	5.4	19.8
3 22	11 40.07	− 9 56.3	1.749	2.733	4.1	19.7
4 1	11 32.74	− 8 41.1	1.759	2.728	6.4	19.8
4 11	11 26.73	− 7 24.0	1.796	2.724	9.9	20.0
4 21	11 22.67	− 6 12.2	1.857	2.719	13.2	20.2

242855 2006 FW_{52} 3 16.2 253.°21 2.°3/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.84	−11 4.7	1.883	2.670	15.2	20.7
2 21	12 2.67	− 9 52.5	1.772	2.649	12.1	20.5
3 2	11 56.26	− 8 11.7	1.684	2.628	8.2	20.2
3 12	11 48.24	− 6 5.5	1.623	2.606	4.0	19.9
3 22	11 39.47	− 3 41.5	1.592	2.583	2.8	19.8
4 1	11 31.04	− 1 11.0	1.591	2.560	7.0	20.0
4 11	11 23.96	+ 1 13.5	1.618	2.535	11.4	20.2
4 21	11 19.01	+ 3 21.9	1.670	2.510	15.5	20.4

192051 2006 AT_{95} 3 16.2 183.°21 2.°5/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.62	+ 5 20.2	2.039	2.881	12.2	20.3
2 21	12 1.34	+ 6 32.0	1.964	2.881	8.9	20.1
3 2	11 55.20	+ 7 52.9	1.914	2.881	5.3	19.8
3 12	11 47.85	+ 9 16.1	1.893	2.881	2.6	19.7
3 22	11 40.10	+10 34.0	1.900	2.880	4.4	19.8
4 1	11 32.83	+11 39.8	1.936	2.880	8.0	20.0
4 11	11 26.88	+12 28.6	1.998	2.879	11.4	20.2
4 21	11 22.78	+12 58.3	2.081	2.878	14.4	20.4

455405 2003 BE_{90} 3 16.2 9.°58 10.°8/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 59.76	+15 44.0	1.217	2.103	15.6	19.3
2 21	11 58.14	+20 33.0	1.175	2.105	12.2	19.1
3 2	11 53.78	+25 24.9	1.162	2.109	10.8	19.0
3 12	11 47.50	+29 51.5	1.179	2.113	12.3	19.1
3 22	11 40.55	+33 30.3	1.222	2.119	15.5	19.3
4 1	11 34.35	+36 9.4	1.289	2.126	18.9	19.6
4 11	11 30.17	+37 48.7	1.372	2.135	21.9	19.8
4 21	11 28.73	+38 35.3	1.469	2.144	24.2	20.0

206933 2004 RS_{49} 3 16.2 97.°64 1.°2/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.60	− 0 4.0	1.454	2.297	16.1	20.0
2 21	12 3.39	+ 1 2.8	1.388	2.304	12.0	19.7
3 2	11 56.68	+ 2 27.6	1.344	2.311	7.1	19.5
3 12	11 48.33	+ 4 2.1	1.326	2.318	2.1	19.2
3 22	11 39.48	+ 5 36.0	1.335	2.324	3.9	19.3
4 1	11 31.41	+ 6 59.2	1.371	2.331	8.9	19.6
4 11	11 25.18	+ 8 3.5	1.431	2.338	13.4	19.9
4 21	11 21.44	+ 8 45.5	1.511	2.344	17.2	20.2

452629 2005 SJ_{254} 3 16.2 160.°47 1.°1/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.78	+ 2 37.8	1.755	2.582	14.5	22.3
2 21	12 8.35	+ 3 5.4	1.682	2.590	10.8	22.1
3 2	11 59.54	+ 3 43.5	1.633	2.596	6.5	21.8
3 12	11 49.17	+ 4 26.7	1.611	2.602	2.0	21.5
3 22	11 38.34	+ 5 8.6	1.618	2.607	3.4	21.7
4 1	11 28.22	+ 5 43.0	1.654	2.612	7.9	21.9
4 11	11 19.87	+ 6 5.1	1.716	2.615	12.0	22.2
4 21	11 13.91	+ 6 12.8	1.801	2.617	15.5	22.4

452555 2004 XR_{148} 3 16.2 87.°98 2.°1/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.38	+ 3 37.0	1.514	2.357	15.6	21.3
2 21	12 5.91	+ 4 33.0	1.462	2.379	11.4	21.1
3 2	11 58.02	+ 5 40.2	1.434	2.401	6.7	20.9
3 12	11 48.68	+ 6 50.2	1.432	2.422	2.5	20.7
3 22	11 39.07	+ 7 54.6	1.457	2.443	4.4	20.8
4 1	11 30.40	+ 8 45.6	1.510	2.464	8.8	21.2
4 11	11 23.66	+ 9 18.5	1.587	2.484	12.9	21.4
4 21	11 19.40	+ 9 31.9	1.685	2.504	16.3	21.7

251474 2008 DW_{30} 3 16.2 143.°67 0.°1/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.50	− 0 54.7	2.061	2.877	13.1	21.9
2 21	12 4.84	− 0 22.7	1.988	2.888	9.8	21.7
3 2	11 57.27	+ 0 21.4	1.939	2.899	5.9	21.5
3 12	11 48.46	+ 1 13.3	1.919	2.910	1.8	21.3
3 22	11 39.31	+ 2 7.2	1.928	2.920	2.4	21.3
4 1	11 30.75	+ 2 57.3	1.967	2.929	6.5	21.6
4 11	11 23.61	+ 3 38.4	2.033	2.937	10.1	21.8
4 21	11 18.43	+ 4 7.3	2.122	2.944	13.3	22.1

73888 1997 EK_{12} 3 16.2 193.°51 3.°8/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.45	−12 13.5	2.329	3.090	13.4	19.9
2 21	12 4.83	−12 14.9	2.232	3.088	10.8	19.7
3 2	11 57.32	−11 58.5	2.159	3.085	7.8	19.5
3 12	11 48.52	−11 25.2	2.112	3.081	5.0	19.3
3 22	11 39.21	−10 37.7	2.094	3.076	3.9	19.2
4 1	11 30.30	− 9 41.0	2.106	3.070	5.9	19.3
4 11	11 22.61	− 8 41.2	2.147	3.064	9.0	19.5
4 21	11 16.74	− 7 44.3	2.212	3.056	12.0	19.7

466669 2014 WW_{183} 3 16.2 348.°64 4.°9/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.90	− 8 12.4	1.499	2.308	17.5	20.1
2 21	12 6.08	− 9 9.0	1.416	2.302	14.0	19.9
3 2	11 58.50	− 9 48.3	1.354	2.297	10.0	19.6
3 12	11 48.95	−10 9.1	1.316	2.292	6.2	19.4
3 22	11 38.59	−10 12.8	1.304	2.289	5.1	19.3
4 1	11 28.80	−10 3.5	1.318	2.286	8.2	19.5
4 11	11 20.87	− 9 47.7	1.356	2.284	12.3	19.7
4 21	11 15.63	− 9 32.2	1.415	2.282	16.2	19.9

289936 2005 NC_{36} 3 16.2 332.°73 0.°6/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.97	− 2 6.1	1.129	1.982	19.1	20.5
2 21	12 3.72	− 1 44.7	1.055	1.974	14.5	20.2
3 2	11 57.31	− 1 0.7	1.001	1.967	9.1	19.9
3 12	11 48.63	+ 0 0.3	0.969	1.960	3.0	19.5
3 22	11 39.05	+ 1 9.2	0.961	1.954	3.5	19.5
4 1	11 30.24	+ 2 14.8	0.977	1.949	9.7	19.8
4 11	11 23.68	+ 3 6.6	1.015	1.944	15.3	20.1
4 21	11 20.25	+ 3 38.3	1.071	1.940	20.1	20.4

123458 2000 WW_{138} 3 16.2 62.°95 3.°4/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.85	−10 31.7	1.743	2.538	16.0	20.1
2 21	12 2.42	−10 16.2	1.679	2.557	12.6	19.9
3 2	11 55.89	− 9 38.7	1.636	2.577	8.7	19.7
3 12	11 48.07	− 8 42.3	1.619	2.597	4.9	19.5
3 22	11 39.91	− 7 32.7	1.629	2.617	3.6	19.5
4 1	11 32.47	− 6 17.5	1.667	2.637	6.5	19.7
4 11	11 26.61	− 5 5.0	1.731	2.657	10.2	20.0
4 21	11 22.88	− 4 1.9	1.818	2.677	13.5	20.2

183848 2004 BN_{130} 3 16.2 193.°44 0.°6/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.88	− 2 38.1	2.438	3.248	11.5	21.3
2 21	12 1.29	− 2 11.5	2.351	3.247	8.7	21.1
3 2	11 55.08	− 1 33.3	2.288	3.245	5.4	20.9
3 12	11 47.83	− 0 46.5	2.254	3.244	1.9	20.7
3 22	11 40.20	+ 0 4.2	2.249	3.242	2.0	20.6
4 1	11 32.96	+ 0 54.0	2.274	3.239	5.5	20.9
4 11	11 26.81	+ 1 38.1	2.327	3.237	8.8	21.1
4 21	11 22.24	+ 2 12.9	2.404	3.234	11.7	21.3

46371 2001 VZ_{45} 3 16.2 160.°25 2.°8/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.62	− 8 48.0	1.752	2.550	15.8	18.9
2 21	12 4.63	− 8 26.2	1.672	2.555	12.4	18.7
3 2	11 57.35	− 7 42.9	1.614	2.560	8.4	18.5
3 12	11 48.55	− 6 41.1	1.582	2.564	4.3	18.2
3 22	11 39.23	− 5 26.6	1.577	2.568	3.2	18.2
4 1	11 30.53	− 4 7.4	1.601	2.571	6.8	18.4
4 11	11 23.43	− 2 52.2	1.651	2.573	10.9	18.6
4 21	11 18.60	− 1 47.7	1.725	2.575	14.6	18.9

439781 2015 GF_{33} 3 16.2 170.°74 4.°7/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.71	+16 51.5	2.627	3.470	9.7	21.3
2 21	12 1.77	+17 50.9	2.561	3.472	7.4	21.2
3 2	11 55.31	+18 48.7	2.523	3.474	5.4	21.1
3 12	11 47.88	+19 38.9	2.513	3.475	4.8	21.0
3 22	11 40.19	+20 16.8	2.531	3.476	6.1	21.1
4 1	11 32.94	+20 38.8	2.578	3.477	8.4	21.2
4 11	11 26.80	+20 43.5	2.650	3.478	10.7	21.4
4 21	11 22.21	+20 31.3	2.743	3.478	12.7	21.6

18445 1994 PC_{12} 3 16.2 298.°81 4.°2/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.92	−11 16.7	2.241	3.014	13.5	19.1
2 21	12 3.10	−11 45.4	2.141	3.003	11.0	18.9
3 2	11 56.36	−11 58.4	2.064	2.992	8.0	18.7
3 12	11 48.27	−11 55.7	2.014	2.981	5.3	18.5
3 22	11 39.60	−11 38.9	1.991	2.971	4.3	18.4
4 1	11 31.26	−11 11.6	1.996	2.960	6.2	18.5
4 11	11 24.11	−10 39.0	2.029	2.950	9.3	18.7
4 21	11 18.77	−10 6.4	2.086	2.939	12.3	18.9

212704 2007 RA_{14} 3 16.2 170.°91 0.°6/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.33	− 3 0.5	2.127	2.934	13.0	21.4
2 21	12 4.76	− 2 26.5	2.044	2.939	9.9	21.2
3 2	11 57.27	− 1 38.4	1.986	2.943	6.1	21.0
3 12	11 48.51	− 0 40.4	1.957	2.946	2.1	20.8
3 22	11 39.34	+ 0 22.1	1.957	2.949	2.2	20.8
4 1	11 30.68	+ 1 22.9	1.987	2.950	6.3	21.0
4 11	11 23.36	+ 2 16.0	2.044	2.951	10.0	21.2
4 21	11 17.96	+ 2 57.4	2.126	2.951	13.2	21.5

86982 2000 JG_{25} 3 16.2 169.°34 4.°0/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.72	−10 57.1	1.816	2.597	15.9	19.4
2 21	12 6.18	−11 0.7	1.732	2.602	12.7	19.2
3 2	11 58.32	−10 43.2	1.670	2.605	9.0	19.0
3 12	11 48.87	−10 5.9	1.634	2.608	5.4	18.8
3 22	11 38.85	− 9 12.6	1.625	2.610	4.1	18.7
4 1	11 29.40	− 8 10.0	1.644	2.612	6.9	18.9
4 11	11 21.57	− 7 5.9	1.691	2.612	10.7	19.1
4 21	11 16.03	− 6 7.7	1.760	2.613	14.3	19.3

46474 3109 T_{-1} 3 16.2 271.°96 1.°9/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.92	− 5 26.8	1.680	2.497	15.6	19.5
2 21	12 3.63	− 5 10.8	1.586	2.483	12.1	19.2
3 2	11 56.93	− 4 35.7	1.514	2.469	7.9	18.9
3 12	11 48.49	− 3 44.1	1.468	2.455	3.5	18.6
3 22	11 39.31	− 2 41.7	1.448	2.440	2.8	18.5
4 1	11 30.56	− 1 36.2	1.456	2.426	7.4	18.8
4 11	11 23.37	− 0 35.7	1.489	2.411	11.9	19.0
4 21	11 18.52	+ 0 13.1	1.544	2.396	15.9	19.2

202668 2006 KP_{106} 3 16.2 80.°98 2.°8/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.45	− 7 33.9	1.468	2.280	17.6	20.4
2 21	12 5.44	− 7 23.1	1.405	2.298	13.6	20.2
3 2	11 57.89	− 6 50.1	1.364	2.315	9.1	20.0
3 12	11 48.72	− 5 58.4	1.348	2.332	4.5	19.8
3 22	11 39.13	− 4 54.6	1.357	2.348	3.3	19.7
4 1	11 30.41	− 3 47.4	1.394	2.365	7.5	20.0
4 11	11 23.63	− 2 45.5	1.456	2.382	11.8	20.3
4 21	11 19.42	− 1 55.6	1.539	2.398	15.6	20.6

32946 1995 WZ_{17} 3 16.2 77.°35 3.°1/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.29	−11 2.3	2.340	3.118	12.9	19.9
2 21	12 0.20	−10 49.8	2.253	3.121	10.2	19.7
3 2	11 54.47	−10 20.0	2.190	3.124	7.2	19.5
3 12	11 47.67	− 9 34.6	2.153	3.128	4.3	19.3
3 22	11 40.51	− 8 37.5	2.145	3.131	3.2	19.3
4 1	11 33.76	− 7 33.8	2.166	3.134	5.4	19.4
4 11	11 28.13	− 6 29.7	2.214	3.137	8.5	19.6
4 21	11 24.12	− 5 30.7	2.287	3.140	11.4	19.8

466384 2013 SQ_{33} 3 16.2 231.°27 2.°7/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.18	+ 5 6.0	2.169	3.006	11.7	21.2
2 21	12 1.79	+ 6 32.7	2.079	2.995	8.6	21.0
3 2	11 55.54	+ 8 10.2	2.016	2.982	5.2	20.7
3 12	11 48.02	+ 9 51.4	1.982	2.969	2.7	20.5
3 22	11 40.00	+11 28.2	1.978	2.956	4.6	20.6
4 1	11 32.35	+12 53.0	2.004	2.942	8.1	20.8
4 11	11 25.89	+14 0.1	2.056	2.928	11.5	21.0
4 21	11 21.23	+14 46.9	2.129	2.913	14.5	21.2

145570 2006 OM_{11} 3 16.2 188.°70 0.°2/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.05	− 1 13.6	2.134	2.948	12.8	21.0
2 21	12 4.60	− 0 44.1	2.048	2.947	9.6	20.8
3 2	11 57.20	− 0 2.2	1.986	2.946	5.9	20.6
3 12	11 48.51	+ 0 48.1	1.953	2.944	1.8	20.3
3 22	11 39.37	+ 1 41.5	1.949	2.941	2.4	20.4
4 1	11 30.69	+ 2 32.2	1.975	2.937	6.4	20.6
4 11	11 23.33	+ 3 14.9	2.028	2.933	10.1	20.8
4 21	11 17.88	+ 3 46.0	2.105	2.928	13.3	21.0

310221 2011 SZ_{211} 3 16.2 123.°95 0.°5/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.26	− 2 38.7	1.797	2.614	14.7	22.5
2 21	12 5.62	− 2 2.5	1.731	2.631	11.0	22.3
3 2	11 57.83	− 1 10.9	1.688	2.647	6.8	22.1
3 12	11 48.68	− 0 9.0	1.672	2.663	2.2	21.8
3 22	11 39.19	+ 0 56.6	1.685	2.677	2.5	21.8
4 1	11 30.42	+ 1 58.6	1.727	2.692	7.0	22.2
4 11	11 23.29	+ 2 50.5	1.796	2.705	11.0	22.4
4 21	11 18.37	+ 3 28.5	1.887	2.718	14.3	22.7

295232 2008 GF_{13} 3 16.2 126.°78 0.°4/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.75	− 0 17.4	2.140	2.959	12.6	21.1
2 21	12 3.47	+ 0 30.5	2.072	2.976	9.3	20.9
3 2	11 56.40	+ 1 30.1	2.030	2.992	5.6	20.7
3 12	11 48.24	+ 2 36.1	2.016	3.007	1.6	20.4
3 22	11 39.79	+ 3 42.6	2.031	3.022	2.6	20.5
4 1	11 31.92	+ 4 43.3	2.077	3.036	6.4	20.8
4 11	11 25.39	+ 5 33.2	2.149	3.049	9.9	21.0
4 21	11 20.70	+ 6 9.3	2.245	3.062	12.8	21.2

147634 2004 HH_{58} 3 16.2 133.°09 1.°9/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.57	+ 4 42.8	1.863	2.700	13.3	20.8
2 21	12 4.38	+ 5 22.4	1.792	2.706	9.8	20.6
3 2	11 57.10	+ 6 10.6	1.746	2.712	5.8	20.3
3 12	11 48.48	+ 7 1.2	1.728	2.718	2.2	20.1
3 22	11 39.45	+ 7 48.0	1.738	2.723	3.9	20.2
4 1	11 31.06	+ 8 24.9	1.776	2.728	7.9	20.5
4 11	11 24.20	+ 8 47.8	1.839	2.733	11.6	20.7
4 21	11 19.45	+ 8 54.9	1.925	2.738	14.8	20.9

492496 2014 NG_{60} 3 16.2 255.°62 0.°6/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.94	− 1 15.6	1.686	2.508	15.3	21.9
2 21	12 7.48	− 1 7.6	1.587	2.489	11.7	21.6
3 2	11 59.35	− 0 45.2	1.510	2.469	7.3	21.3
3 12	11 49.27	− 0 11.6	1.459	2.449	2.5	20.9
3 22	11 38.27	+ 0 27.8	1.436	2.428	2.8	20.9
4 1	11 27.65	+ 1 6.4	1.442	2.407	7.9	21.2
4 11	11 18.67	+ 1 37.7	1.473	2.385	12.7	21.4
4 21	11 12.19	+ 1 56.9	1.525	2.362	16.8	21.6

164100 2003 WV_{166} 3 16.2 209.°14 1.°1/15.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.24	+ 2 22.8	2.199	3.029	11.9	20.7
2 21	12 1.72	+ 3 5.1	2.117	3.027	8.8	20.5
3 2	11 55.43	+ 3 57.1	2.059	3.024	5.2	20.3
3 12	11 47.98	+ 4 54.1	2.030	3.021	1.6	20.0
3 22	11 40.12	+ 5 50.2	2.030	3.018	3.0	20.1
4 1	11 32.71	+ 6 39.8	2.059	3.015	6.7	20.4
4 11	11 26.50	+ 7 18.3	2.115	3.011	10.2	20.6
4 21	11 22.04	+ 7 43.0	2.193	3.008	13.2	20.8

417188 2005 WA_{163} 3 16.2 134.°25 6.°4/23.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.52	−20 21.5	2.124	2.850	15.6	21.5
2 21	12 2.82	−20 30.3	2.039	2.858	13.2	21.3
3 2	11 56.17	−20 14.6	1.975	2.866	10.5	21.1
3 12	11 48.21	−19 34.0	1.935	2.874	7.9	21.0
3 22	11 39.81	−18 31.0	1.921	2.882	6.5	20.9
4 1	11 31.92	−17 11.1	1.935	2.889	7.2	21.0
4 11	11 25.40	−15 42.4	1.976	2.895	9.5	21.1
4 21	11 20.83	−14 13.2	2.041	2.902	12.2	21.3

172722 2004 BV_{102} 3 16.2 170.°87 1.°2/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.04	− 5 10.4	1.814	2.589	16.2	21.7
2 21	12 18.29	− 4 30.5	1.726	2.602	12.4	21.5
3 2	12 5.67	− 3 31.3	1.663	2.612	7.9	21.2
3 12	11 51.11	− 2 16.9	1.631	2.618	3.0	21.0
3 22	11 35.90	− 0 54.7	1.631	2.622	2.8	21.0
4 1	11 21.50	+ 0 26.4	1.665	2.623	7.8	21.3
4 11	11 9.20	+ 1 38.1	1.728	2.621	12.3	21.5
4 21	10 59.76	+ 2 34.7	1.816	2.616	16.1	21.8

410209 2007 RW_{235} 3 16.2 198.°80 1.°6/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.79	+ 3 25.3	1.845	2.678	13.7	22.3
2 21	12 5.42	+ 4 6.2	1.764	2.675	10.1	22.0
3 2	11 57.83	+ 4 57.5	1.707	2.672	6.0	21.8
3 12	11 48.73	+ 5 53.6	1.678	2.669	2.1	21.5
3 22	11 39.11	+ 6 47.5	1.677	2.664	3.7	21.6
4 1	11 30.05	+ 7 32.6	1.705	2.660	8.0	21.8
4 11	11 22.53	+ 8 3.9	1.759	2.654	11.9	22.1
4 21	11 17.20	+ 8 19.0	1.834	2.648	15.4	22.3

42867 1999 RO_{113} 3 16.2 74.°90 3.°9/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.33	−14 9.8	1.899	2.671	15.7	18.1
2 21	12 1.89	−13 35.5	1.834	2.696	12.5	17.9
3 2	11 55.52	−12 37.2	1.791	2.721	9.0	17.7
3 12	11 47.99	−11 17.9	1.774	2.745	5.5	17.6
3 22	11 40.19	− 9 43.7	1.785	2.769	4.0	17.5
4 1	11 33.08	− 8 3.0	1.824	2.793	6.2	17.7
4 11	11 27.44	− 6 24.9	1.891	2.817	9.5	18.0
4 21	11 23.78	− 4 56.6	1.982	2.840	12.6	18.2

405506 2005 AB_{65} 3 16.2 343.°84 3.°0/13.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.43	+ 4 18.4	1.225	2.092	16.9	20.6
2 21	12 1.56	+ 5 21.6	1.155	2.084	12.5	20.4
3 2	11 55.87	+ 6 40.5	1.106	2.077	7.5	20.0
3 12	11 48.21	+ 8 5.5	1.081	2.071	3.2	19.8
3 22	11 39.82	+ 9 25.0	1.081	2.066	5.7	19.9
4 1	11 32.18	+10 27.9	1.104	2.062	10.9	20.2
4 11	11 26.57	+11 6.9	1.150	2.058	15.8	20.4
4 21	11 23.76	+11 19.4	1.213	2.056	20.0	20.7

81569 2000 HD_{35} 3 16.2 218.°87 0.°9/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.37	− 0 4.4	2.155	2.979	12.3	20.0
2 21	12 1.92	+ 1 5.3	2.064	2.971	9.1	19.7
3 2	11 55.62	+ 2 29.2	1.999	2.962	5.5	19.5
3 12	11 48.06	+ 4 1.5	1.962	2.953	1.6	19.2
3 22	11 40.03	+ 5 35.1	1.955	2.943	3.0	19.3
4 1	11 32.38	+ 7 2.2	1.977	2.933	7.0	19.5
4 11	11 25.94	+ 8 16.4	2.027	2.922	10.7	19.7
4 21	11 21.30	+ 9 13.6	2.100	2.910	13.8	19.9

341474 2007 TO_{344} 3 16.2 112.°28 0.°6/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.94	+ 0 20.6	2.333	3.156	11.5	21.1
2 21	12 0.59	+ 1 8.6	2.259	3.166	8.5	21.0
3 2	11 54.67	+ 2 7.1	2.212	3.175	5.1	20.8
3 12	11 47.75	+ 3 11.3	2.192	3.184	1.4	20.5
3 22	11 40.53	+ 4 15.7	2.203	3.192	2.5	20.6
4 1	11 33.78	+ 5 14.8	2.242	3.201	6.0	20.9
4 11	11 28.16	+ 6 3.8	2.309	3.209	9.3	21.1
4 21	11 24.15	+ 6 39.9	2.400	3.218	12.1	21.3

466530 2014 SR 3 16.2 113.°39 0.°3/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.40	− 6 53.3	2.046	2.846	13.8	20.5
2 21	12 2.56	− 5 1.0	1.974	2.865	10.3	20.3
3 2	11 55.90	− 2 48.0	1.928	2.884	6.4	20.1
3 12	11 48.12	− 0 21.6	1.913	2.903	2.1	19.9
3 22	11 40.05	+ 2 8.0	1.929	2.921	2.4	19.9
4 1	11 32.60	+ 4 30.3	1.977	2.938	6.5	20.2
4 11	11 26.51	+ 6 36.3	2.054	2.954	10.3	20.5
4 21	11 22.29	+ 8 20.7	2.157	2.971	13.4	20.7

67907 2000 WL_{97} 3 16.2 79.°99 0.°5/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.12	+ 0 18.9	1.495	2.332	16.1	19.3
2 21	12 5.82	+ 0 52.0	1.439	2.350	11.9	19.1
3 2	11 58.06	+ 1 39.4	1.405	2.369	7.2	18.8
3 12	11 48.79	+ 2 34.8	1.396	2.388	2.1	18.6
3 22	11 39.17	+ 3 30.4	1.415	2.406	3.2	18.7
4 1	11 30.47	+ 4 18.6	1.461	2.424	8.1	19.0
4 11	11 23.69	+ 4 53.5	1.531	2.442	12.4	19.3
4 21	11 19.41	+ 5 12.2	1.623	2.460	16.0	19.6

77031 2001 CT_{29} 3 16.2 238.°46 5.°0/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.96	+13 32.8	2.144	2.995	11.3	19.6
2 21	12 1.65	+15 2.1	2.069	2.987	8.5	19.4
3 2	11 55.46	+16 34.4	2.020	2.978	5.9	19.3
3 12	11 48.02	+18 1.3	2.000	2.970	5.1	19.2
3 22	11 40.14	+19 15.2	2.008	2.961	6.9	19.3
4 1	11 32.70	+20 10.1	2.044	2.952	9.7	19.4
4 11	11 26.52	+20 42.9	2.104	2.942	12.7	19.6
4 21	11 22.17	+20 53.3	2.183	2.933	15.2	19.8

95406 2002 CE_{212} 3 16.2 163.°01 1.°7/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.70	− 4 40.7	1.977	2.785	13.9	21.0
2 21	12 3.74	− 4 34.5	1.894	2.786	10.6	20.8
3 2	11 56.75	− 4 13.6	1.835	2.788	6.9	20.6
3 12	11 48.42	− 3 40.7	1.802	2.789	3.0	20.3
3 22	11 39.62	− 3 0.1	1.798	2.790	2.5	20.3
4 1	11 31.33	− 2 17.5	1.822	2.791	6.3	20.5
4 11	11 24.44	− 1 38.6	1.874	2.791	10.1	20.7
4 21	11 19.54	− 1 8.0	1.948	2.792	13.4	21.0

376309 2011 GN_{6} 3 16.2 128.°85 2.°4/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.99	+ 6 1.3	2.147	2.985	11.8	21.2
2 21	12 2.23	+ 7 2.6	2.079	2.995	8.6	21.0
3 2	11 55.70	+ 8 10.9	2.038	3.004	5.2	20.8
3 12	11 48.07	+ 9 20.0	2.025	3.013	2.5	20.6
3 22	11 40.13	+10 23.3	2.042	3.022	4.2	20.7
4 1	11 32.73	+11 15.1	2.087	3.030	7.5	20.9
4 11	11 26.62	+11 51.5	2.158	3.038	10.7	21.2
4 21	11 22.30	+12 11.2	2.251	3.046	13.5	21.4

129993 1999 VN_{18} 3 16.2 231.°56 1.°0/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.19	− 3 25.5	1.818	2.635	14.5	20.0
2 21	12 4.36	− 3 2.4	1.728	2.627	11.1	19.8
3 2	11 57.27	− 2 23.1	1.661	2.618	7.0	19.5
3 12	11 48.62	− 1 31.1	1.620	2.609	2.6	19.2
3 22	11 39.33	− 0 32.1	1.608	2.600	2.5	19.2
4 1	11 30.52	+ 0 26.8	1.624	2.590	7.1	19.4
4 11	11 23.19	+ 1 18.6	1.665	2.580	11.3	19.7
4 21	11 18.05	+ 1 58.2	1.730	2.570	15.0	19.9

362094 2009 BA_{181} 3 16.2 359.°06 3.°0/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.10	+ 6 16.3	1.216	2.080	17.2	20.7
2 21	12 5.03	+ 6 46.1	1.150	2.077	12.8	20.4
3 2	11 57.96	+ 7 25.8	1.106	2.076	7.7	20.2
3 12	11 48.85	+ 8 7.3	1.085	2.075	3.3	19.9
3 22	11 39.07	+ 8 41.8	1.089	2.075	5.5	20.0
4 1	11 30.18	+ 9 1.3	1.117	2.076	10.6	20.3
4 11	11 23.51	+ 9 1.4	1.167	2.078	15.4	20.6
4 21	11 19.79	+ 8 41.1	1.236	2.081	19.6	20.8

409949 2006 UV_{197} 3 16.2 149.°74 1.°8/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.67	+ 4 3.2	1.788	2.626	13.8	21.4
2 21	12 4.58	+ 4 42.0	1.715	2.629	10.2	21.2
3 2	11 57.30	+ 5 30.4	1.666	2.632	6.1	21.0
3 12	11 48.59	+ 6 22.4	1.645	2.635	2.2	20.7
3 22	11 39.43	+ 7 11.3	1.651	2.638	3.8	20.9
4 1	11 30.90	+ 7 50.6	1.686	2.640	8.0	21.1
4 11	11 23.95	+ 8 15.7	1.745	2.642	11.9	21.3
4 21	11 19.19	+ 8 24.7	1.827	2.644	15.3	21.6

416911 2005 RL_{44} 3 16.2 126.°25 5.°1/22.0 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.66	−16 42.4	2.350	3.085	14.0	22.3
2 21	12 4.88	−16 57.2	2.272	3.103	11.6	22.1
3 2	11 57.30	−16 52.2	2.216	3.120	8.9	22.0
3 12	11 48.57	−16 27.6	2.186	3.137	6.3	21.9
3 22	11 39.48	−15 46.0	2.184	3.153	5.1	21.8
4 1	11 30.92	−14 51.7	2.212	3.168	6.3	21.9
4 11	11 23.67	−13 51.3	2.267	3.183	8.7	22.1
4 21	11 18.24	−12 51.0	2.348	3.196	11.3	22.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
242226	2003 SY_{75}		3 16.2	259.°86	0.°4/15.9	17
	h m	° ′			°	m
2 11	12 7.98	− 1 3.2	1.723	2.552	14.6	20.7
2 21	12 3.66	− 0 13.9	1.627	2.535	11.0	20.5
3 2	11 56.97	+ 0 53.2	1.554	2.517	6.7	20.2
3 12	11 48.56	+ 2 12.5	1.507	2.498	2.0	19.8
3 22	11 39.40	+ 3 36.4	1.489	2.480	3.1	19.9
4 1	11 30.64	+ 4 55.8	1.498	2.460	8.1	20.1
4 11	11 23.38	+ 6 2.6	1.533	2.440	12.6	20.3
4 21	11 18.39	+ 6 51.5	1.589	2.420	16.6	20.5
114115	2002 VK_{48}		3 16.2	83.°03	6.°6/22.8	18
2 11	12 7.11	−18 16.6	1.765	2.519	17.4	19.8
2 21	12 2.87	−18 28.3	1.685	2.525	14.5	19.6
3 2	11 56.37	−18 13.0	1.624	2.532	11.3	19.4
3 12	11 48.34	−17 30.1	1.587	2.539	8.2	19.2
3 22	11 39.78	−16 22.9	1.576	2.545	6.6	19.1
4 1	11 31.82	−14 58.3	1.591	2.552	7.8	19.2
4 11	11 25.45	−13 25.8	1.631	2.558	10.7	19.4
4 21	11 21.33	−11 55.2	1.696	2.565	13.9	19.6
105707	2000 SL_{70}		3 16.2	201.°67	2.°2/13.3	18
2 11	12 5.77	+ 7 53.5	2.808	3.641	9.5	20.5
2 21	12 1.04	+ 8 36.7	2.725	3.637	6.9	20.3
3 2	11 54.90	+ 9 24.1	2.669	3.634	4.2	20.1
3 12	11 47.84	+10 11.2	2.643	3.629	2.3	20.0
3 22	11 40.49	+10 53.6	2.647	3.625	3.6	20.1
4 1	11 33.47	+11 27.3	2.681	3.620	6.3	20.2
4 11	11 27.42	+11 49.7	2.742	3.615	9.0	20.4
4 21	11 22.75	+11 59.4	2.826	3.609	11.3	20.5
313611	2003 QK_{58}		3 16.3	212.°41	1.°3/14.9	17
2 11	12 9.92	+ 2 7.4	2.032	2.859	12.8	21.8
2 21	12 4.67	+ 2 56.7	1.943	2.851	9.5	21.5
3 2	11 57.36	+ 3 57.7	1.879	2.843	5.7	21.3
3 12	11 48.65	+ 5 4.8	1.843	2.834	1.8	21.0
3 22	11 39.38	+ 6 11.4	1.836	2.824	3.3	21.1
4 1	11 30.56	+ 7 10.7	1.859	2.813	7.4	21.3
4 11	11 23.10	+ 7 57.2	1.908	2.802	11.3	21.5
4 21	11 17.64	+ 8 27.7	1.980	2.789	14.6	21.7
87473	2000 QK_{137}		3 16.3	217.°31	4.°2/20.5	17
2 11	12 8.06	−12 26.7	2.066	2.838	14.6	20.3
2 21	12 3.32	−12 32.4	1.972	2.833	11.8	20.1
3 2	11 56.56	−12 18.4	1.901	2.829	8.6	19.8
3 12	11 48.41	−11 45.4	1.855	2.824	5.5	19.6
3 22	11 39.70	−10 56.5	1.837	2.818	4.3	19.6
4 1	11 31.41	− 9 57.0	1.847	2.813	6.4	19.7
4 11	11 24.43	− 8 54.0	1.884	2.807	9.7	19.9
4 21	11 19.42	− 7 54.1	1.945	2.801	13.0	20.0
127760	2003 FM_{32}		3 16.3	178.°21	1.°0/15.3	18
2 11	12 8.78	+ 2 14.9	2.043	2.871	12.7	20.4
2 21	12 3.71	+ 2 48.7	1.963	2.872	9.4	20.2
3 2	11 56.71	+ 3 32.4	1.909	2.873	5.6	19.9
3 12	11 48.43	+ 4 21.2	1.882	2.874	1.7	19.7
3 22	11 39.72	+ 5 9.5	1.885	2.874	3.0	19.8
4 1	11 31.53	+ 5 51.3	1.916	2.873	7.0	20.0
4 11	11 24.70	+ 6 22.3	1.973	2.873	10.6	20.2
4 21	11 19.81	+ 6 39.6	2.054	2.872	13.8	20.4
156417	2002 AA_{77}		3 16.3	157.°16	0.°7/17.1	16
2 11	12 9.42	− 2 50.0	2.447	3.249	11.7	21.3
2 21	12 3.86	− 2 28.7	2.366	3.258	8.8	21.1
3 2	11 56.66	− 1 56.0	2.311	3.266	5.5	20.9
3 12	11 48.39	− 1 15.2	2.284	3.273	2.0	20.7
3 22	11 39.80	− 0 30.3	2.287	3.279	2.0	20.7
4 1	11 31.67	+ 0 13.9	2.321	3.285	5.5	21.0
4 11	11 24.70	+ 0 52.8	2.383	3.290	8.7	21.2
4 21	11 19.40	+ 1 23.0	2.470	3.295	11.5	21.4
406409	2007 TK_{125}		3 16.3	91.°38	2.°1/14.5	18
2 11	12 11.70	+ 4 6.0	1.612	2.453	14.9	21.7
2 21	12 6.08	+ 4 55.0	1.559	2.474	10.9	21.5
3 2	11 58.16	+ 5 53.9	1.529	2.495	6.5	21.3
3 12	11 48.85	+ 6 55.1	1.526	2.516	2.4	21.1
3 22	11 39.26	+ 7 51.0	1.550	2.536	4.2	21.3
4 1	11 30.56	+ 8 34.7	1.603	2.556	8.5	21.5
4 11	11 23.70	+ 9 2.0	1.680	2.576	12.4	21.8
4 21	11 19.21	+ 9 11.4	1.778	2.595	15.7	22.1
268157	2004 TD_{351}		3 16.3	48.°17	2.°6/13.8	17
2 11	12 7.67	+ 6 22.1	1.837	2.682	13.2	20.3
2 21	12 3.05	+ 7 6.8	1.767	2.685	9.7	20.1
3 2	11 56.36	+ 7 58.9	1.722	2.689	5.8	19.9
3 12	11 48.34	+ 8 51.8	1.704	2.692	2.7	19.7
3 22	11 39.91	+ 9 38.9	1.714	2.696	4.4	19.8
4 1	11 32.09	+10 14.2	1.751	2.700	8.3	20.0
4 11	11 25.78	+10 33.9	1.813	2.704	11.9	20.3
4 21	11 21.54	+10 36.5	1.897	2.708	15.0	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
37975	1998 HB_{118}		3 16.3	223.°08	4.°0/11.6	18
	h m	° ′			°	m
2 11	12 6.79	+10 35.1	2.178	3.023	11.4	19.4
2 21	12 2.22	+11 49.5	2.099	3.017	8.4	19.2
3 2	11 55.81	+13 8.6	2.047	3.010	5.4	19.0
3 12	11 48.17	+14 25.2	2.023	3.002	4.0	18.9
3 22	11 40.10	+15 32.2	2.028	2.994	5.7	19.0
4 1	11 32.47	+16 23.7	2.062	2.986	8.8	19.1
4 11	11 26.08	+16 56.2	2.120	2.977	11.8	19.3
4 21	11 21.50	+17 8.9	2.199	2.969	14.5	19.5
406552	2007 XN_{58}		3 16.3	87.°50	2.°4/14.3	18
2 11	12 12.03	+ 5 23.1	1.588	2.431	15.0	21.3
2 21	12 6.40	+ 6 3.1	1.532	2.449	11.0	21.1
3 2	11 58.40	+ 6 51.5	1.499	2.466	6.5	20.8
3 12	11 48.94	+ 7 41.2	1.493	2.483	2.6	20.6
3 22	11 39.17	+ 8 24.8	1.515	2.500	4.4	20.8
4 1	11 30.28	+ 8 56.2	1.563	2.516	8.7	21.1
4 11	11 23.26	+ 9 11.4	1.637	2.532	12.7	21.3
4 21	11 18.66	+ 9 9.5	1.731	2.549	16.0	21.6
82584	2001 OL_{87}		3 16.3	167.°22	1.°0/17.2	18
2 11	12 12.57	− 2 26.1	2.218	3.021	12.7	19.6
2 21	12 6.39	− 2 26.2	2.134	3.025	9.7	19.4
3 2	11 58.29	− 2 15.2	2.075	3.029	6.1	19.2
3 12	11 48.92	− 1 55.6	2.044	3.033	2.4	18.9
3 22	11 39.13	− 1 31.0	2.044	3.036	2.2	18.9
4 1	11 29.85	− 1 5.8	2.073	3.038	5.9	19.2
4 11	11 21.90	− 0 44.5	2.130	3.039	9.5	19.4
4 21	11 15.86	− 0 30.2	2.212	3.041	12.6	19.6
308197	Satrapi		3 16.3	31.°55	0.°7/16.8	18
2 11	12 8.55	− 1 46.9	1.254	2.099	18.1	20.7
2 21	12 4.43	− 1 36.1	1.194	2.108	13.6	20.5
3 2	11 57.50	− 1 6.9	1.154	2.118	8.5	20.2
3 12	11 48.73	− 0 24.6	1.138	2.129	2.9	19.9
3 22	11 39.44	+ 0 23.3	1.147	2.140	3.1	20.0
4 1	11 31.08	+ 1 8.1	1.182	2.152	8.5	20.3
4 11	11 24.84	+ 1 42.2	1.239	2.165	13.4	20.6
4 21	11 21.40	+ 2 1.1	1.316	2.178	17.5	20.9
319192	2005 YA_{150}		3 16.3	142.°56	0.°9/15.5	18
2 11	12 13.00	+ 1 34.8	1.745	2.572	14.6	21.8
2 21	12 7.05	+ 2 10.8	1.676	2.584	10.8	21.6
3 2	11 58.81	+ 2 58.8	1.631	2.594	6.5	21.3
3 12	11 49.09	+ 3 52.8	1.613	2.605	1.9	21.0
3 22	11 38.96	+ 4 46.2	1.624	2.614	3.3	21.2
4 1	11 29.55	+ 5 32.0	1.664	2.622	7.7	21.5
4 11	11 21.87	+ 6 5.0	1.729	2.630	11.8	21.7
4 21	11 16.52	+ 6 22.8	1.817	2.637	15.2	21.9
122546	2000 QT_{226}		3 16.3	164.°87	1.°0/14.9	18
2 11	12 5.64	− 1 49.9	2.158	2.977	12.5	19.4
2 21	12 1.32	− 0 3.9	2.076	2.981	9.2	19.2
3 2	11 55.24	+ 1 58.8	2.021	2.985	5.4	18.9
3 12	11 48.01	+ 4 10.8	1.996	2.988	1.6	18.7
3 22	11 40.39	+ 6 23.1	2.003	2.990	3.1	18.8
4 1	11 33.23	+ 8 26.3	2.041	2.993	7.0	19.0
4 11	11 27.29	+10 12.9	2.106	2.994	10.6	19.3
4 21	11 23.10	+11 38.5	2.196	2.996	13.6	19.5
255657	2006 QX_{27}		3 16.3	272.°91	1.°2/15.3	17
2 11	12 9.96	+ 2 15.9	1.700	2.536	14.5	21.5
2 21	12 5.24	+ 2 49.1	1.602	2.515	10.9	21.2
3 2	11 58.01	+ 3 35.4	1.528	2.493	6.6	20.9
3 12	11 48.95	+ 4 29.4	1.479	2.471	2.0	20.6
3 22	11 39.05	+ 5 24.3	1.459	2.448	3.6	20.6
4 1	11 29.53	+ 6 12.4	1.466	2.425	8.5	20.8
4 11	11 21.56	+ 6 47.1	1.498	2.402	13.1	21.0
4 21	11 15.97	+ 7 4.9	1.551	2.378	17.1	21.2
269113	2007 JA_{38}		3 16.3	228.°56	2.°8/13.4	17
2 11	12 8.35	+ 7 44.0	2.118	2.958	11.9	20.9
2 21	12 3.41	+ 8 30.8	2.036	2.952	8.8	20.7
3 2	11 56.56	+ 9 23.4	1.980	2.945	5.4	20.5
3 12	11 48.42	+10 16.1	1.951	2.938	2.8	20.3
3 22	11 39.84	+11 2.7	1.951	2.930	4.5	20.4
4 1	11 31.71	+11 37.8	1.980	2.922	7.9	20.6
4 11	11 24.89	+11 57.9	2.035	2.914	11.3	20.8
4 21	11 19.95	+12 1.5	2.111	2.906	14.3	20.9
26889	1995 BM_1		3 16.3	146.°17	1.°9/14.1	18
2 11	12 9.11	+ 4 36.4	2.238	3.068	11.7	19.4
2 21	12 3.74	+ 5 32.3	2.169	3.079	8.6	19.2
3 2	11 56.62	+ 6 35.9	2.126	3.090	5.1	19.0
3 12	11 48.41	+ 7 41.5	2.111	3.100	2.1	18.8
3 22	11 39.90	+ 8 43.0	2.127	3.110	3.6	18.9
4 1	11 31.92	+ 9 34.7	2.172	3.119	7.0	19.2
4 11	11 25.22	+10 12.8	2.244	3.127	10.3	19.4
4 21	11 20.31	+10 35.5	2.339	3.134	13.0	19.6

192788 1999 UH_{34} 3 16.3 74.°62 0.°2/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.64	− 1 34.9	1.937	2.761	13.5	20.8
2 21	12 2.24	− 1 5.1	1.860	2.764	10.1	20.6
3 2	11 55.87	− 0 21.7	1.806	2.767	6.2	20.4
3 12	11 48.22	+ 0 30.9	1.779	2.769	2.0	20.1
3 22	11 40.14	+ 1 27.0	1.780	2.772	2.4	20.1
4 1	11 32.59	+ 2 20.1	1.809	2.775	6.6	20.4
4 11	11 26.42	+ 3 4.5	1.865	2.777	10.5	20.6
4 21	11 22.20	+ 3 36.4	1.944	2.780	13.8	20.9

112181 2002 JJ_{98} 3 16.3 16.°38 4.°9/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.79	−13 3.8	1.725	2.511	16.5	19.4
2 21	11 1.92	−13 12.2	1.645	2.513	13.4	19.2
3 2	11 55.83	−12 57.1	1.585	2.515	9.8	18.9
3 12	11 48.24	−12 19.4	1.549	2.518	6.4	18.7
3 22	11 40.10	−11 22.9	1.540	2.522	4.9	18.7
4 1	11 32.52	−10 14.4	1.557	2.525	7.1	18.8
4 11	11 26.49	− 9 2.6	1.599	2.530	10.6	19.0
4 21	11 22.66	− 7 55.4	1.664	2.534	14.1	19.2

21867 1999 TQ_{251} 3 16.3 75.°98 0.°7/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.27	− 0 9.6	2.501	3.325	10.8	18.0
2 21	11 58.60	+ 0 58.3	2.422	3.329	8.0	17.8
3 2	11 53.50	+ 2 17.4	2.370	3.333	4.7	17.6
3 12	11 47.48	+ 3 42.7	2.346	3.338	1.4	17.4
3 22	11 41.16	+ 5 8.2	2.353	3.342	2.5	17.5
4 1	11 35.22	+ 6 27.8	2.390	3.347	5.9	17.7
4 11	11 30.29	+ 7 36.3	2.454	3.351	9.0	17.9
4 21	11 26.80	+ 8 30.6	2.543	3.355	11.6	18.1

194360 2001 UB_{172} 3 16.3 83.°40 2.°7/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.71	+ 5 43.5	1.401	2.252	16.1	20.6
2 21	12 6.65	+ 6 22.2	1.334	2.254	11.9	20.3
3 2	11 58.83	+ 7 10.9	1.289	2.256	7.2	20.0
3 12	11 49.17	+ 8 1.8	1.269	2.258	3.0	19.8
3 22	11 38.92	+ 8 46.4	1.275	2.261	5.0	19.9
4 1	11 29.50	+ 9 17.1	1.308	2.263	9.8	20.2
4 11	11 22.12	+ 9 29.3	1.364	2.265	14.3	20.5
4 21	11 17.48	+ 9 21.9	1.439	2.267	18.2	20.7

85570 1998 BU_{20} 3 16.3 256.°55 2.°9/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.00	+ 6 36.5	1.921	2.766	12.7	20.2
2 21	12 2.63	+ 7 39.3	1.837	2.755	9.4	19.9
3 2	11 56.20	+ 8 50.9	1.778	2.745	5.7	19.7
3 12	11 48.35	+10 4.3	1.747	2.734	3.0	19.5
3 22	11 39.97	+11 11.9	1.744	2.723	4.9	19.6
4 1	11 32.05	+12 6.6	1.769	2.712	8.6	19.8
4 11	11 25.51	+12 43.7	1.819	2.701	12.3	20.0
4 21	11 20.99	+13 1.2	1.890	2.690	15.5	20.2

506843 2007 TD_{385} 3 16.3 184.°93 4.°5/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.51	+14 35.7	2.456	3.301	10.3	21.6
2 21	12 1.79	+15 41.3	2.387	3.301	7.7	21.4
3 2	11 55.45	+16 47.1	2.345	3.301	5.4	21.3
3 12	11 48.08	+17 46.9	2.331	3.301	4.5	21.2
3 22	11 40.39	+18 35.1	2.347	3.300	6.0	21.3
4 1	11 33.14	+19 7.3	2.390	3.299	8.5	21.5
4 11	11 27.04	+19 21.7	2.458	3.297	11.0	21.6
4 21	11 22.56	+19 18.2	2.547	3.296	13.3	21.8

156576 2002 EF_{139} 3 16.3 128.°44 1.°1/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.35	+ 2 8.1	2.044	2.875	12.6	20.7
2 21	12 2.62	+ 2 54.1	1.972	2.883	9.3	20.5
3 2	11 56.04	+ 3 50.5	1.925	2.890	5.5	20.3
3 12	11 48.27	+ 4 51.8	1.905	2.897	1.7	20.0
3 22	11 40.14	+ 5 51.7	1.915	2.903	3.1	20.1
4 1	11 32.56	+ 6 44.1	1.953	2.910	7.0	20.4
4 11	11 26.32	+ 7 24.3	2.018	2.916	10.5	20.6
4 21	11 21.95	+ 7 49.6	2.105	2.922	13.6	20.8

28121 1998 SY_{72} 3 16.3 328.°79 0.°1/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.89	− 2 55.3	1.295	2.140	17.7	17.9
2 21	12 2.59	− 2 1.8	1.220	2.135	13.3	17.7
3 2	11 56.51	− 0 44.6	1.166	2.131	8.2	17.4
3 12	11 48.51	+ 0 49.6	1.136	2.127	2.5	17.0
3 22	11 39.78	+ 2 30.2	1.132	2.124	3.4	17.0
4 1	11 31.76	+ 4 4.9	1.153	2.121	9.1	17.4
4 11	11 25.69	+ 5 23.0	1.197	2.118	14.2	17.6
4 21	11 22.35	+ 6 18.2	1.261	2.115	18.6	17.9

376168 2011 BN_{145} 3 16.3 291.°93 2.°0/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.94	+ 4 6.1	1.750	2.594	13.8	21.1
2 21	12 2.77	+ 4 53.5	1.666	2.584	10.2	20.8
3 2	11 56.36	+ 5 51.9	1.606	2.573	6.1	20.6
3 12	11 48.43	+ 6 55.2	1.572	2.563	2.3	20.3
3 22	11 39.90	+ 7 55.7	1.567	2.552	4.2	20.4
4 1	11 31.86	+ 8 46.1	1.588	2.542	8.5	20.6
4 11	11 25.33	+ 9 20.9	1.634	2.532	12.5	20.8
4 21	11 20.98	+ 9 37.2	1.701	2.522	16.1	21.0

437768 2015 AQ_{167} 3 16.3 145.°02 2.°3/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.40	− 6 15.7	1.949	2.752	14.2	21.5
2 21	12 3.59	− 6 14.1	1.866	2.753	11.0	21.2
3 2	11 56.74	− 5 56.5	1.805	2.755	7.3	21.0
3 12	11 48.52	− 5 25.2	1.772	2.755	3.6	20.8
3 22	11 39.81	− 4 44.3	1.766	2.756	2.8	20.7
4 1	11 31.60	− 3 59.4	1.788	2.757	6.3	20.9
4 11	11 24.80	− 3 16.8	1.837	2.758	10.1	21.2
4 21	11 20.02	− 2 41.5	1.909	2.759	13.4	21.4

462648 2009 SP_{164} 3 16.3 192.°46 5.°0/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.45	+15 25.2	2.094	2.935	11.9	21.4
2 21	12 6.43	+16 11.4	2.023	2.934	9.0	21.2
3 2	11 58.36	+16 56.4	1.977	2.933	6.3	21.0
3 12	11 48.99	+17 33.4	1.960	2.931	5.0	20.9
3 22	11 39.22	+17 56.7	1.971	2.928	6.6	21.0
4 1	11 30.06	+18 2.2	2.010	2.926	9.4	21.2
4 11	11 22.39	+17 48.7	2.074	2.923	12.4	21.4
4 21	11 16.78	+17 17.3	2.159	2.920	15.0	21.5

372415 2009 RX_{47} 3 16.3 264.°39 1.°1/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.02	+ 3 10.2	1.829	2.663	13.7	20.5
2 21	12 4.96	+ 3 31.4	1.743	2.655	10.2	20.3
3 2	11 57.66	+ 4 2.2	1.682	2.647	6.1	20.0
3 12	11 48.83	+ 4 38.0	1.647	2.638	1.9	19.7
3 22	11 39.40	+ 5 12.9	1.641	2.630	3.3	19.8
4 1	11 30.49	+ 5 41.1	1.662	2.621	7.7	20.0
4 11	11 23.09	+ 5 58.1	1.709	2.613	11.8	20.3
4 21	11 17.87	+ 6 1.2	1.778	2.604	15.3	20.5

39587 1993 FF_{30} 3 16.3 233.°79 1.°9/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.23	− 6 17.0	2.137	2.937	13.2	19.7
2 21	12 2.63	− 6 2.8	2.043	2.930	10.3	19.4
3 2	11 56.14	− 5 33.0	1.973	2.923	6.8	19.2
3 12	11 48.34	− 4 49.9	1.930	2.915	3.2	19.0
3 22	11 40.04	− 3 57.9	1.916	2.907	2.5	18.9
4 1	11 32.14	− 3 2.6	1.931	2.899	6.0	19.1
4 11	11 25.47	− 2 10.2	1.973	2.891	9.6	19.3
4 21	11 20.63	− 1 25.7	2.038	2.883	12.9	19.5

347007 2010 DM_{23} 3 16.3 178.°04 2.°5/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.77	−10 37.8	2.525	3.302	12.1	21.3
2 21	11 59.77	−10 3.6	2.433	3.303	9.5	21.2
3 2	11 54.26	− 9 12.2	2.366	3.303	6.6	21.0
3 12	11 47.75	− 8 6.2	2.326	3.303	3.7	20.8
3 22	11 40.90	− 6 49.8	2.315	3.304	2.6	20.7
4 1	11 34.42	− 5 28.7	2.335	3.303	5.0	20.9
4 11	11 28.96	− 4 9.2	2.382	3.303	8.1	21.0
4 21	11 25.00	− 2 56.6	2.455	3.303	10.9	21.2

415272 2013 EB_{8} 3 16.3 280.°54 1.°5/17.5 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.11	− 4 20.4	1.545	2.369	16.3	22.1
2 21	12 4.91	− 4 4.1	1.444	2.346	12.7	21.8
3 2	11 58.00	− 3 27.7	1.365	2.322	8.2	21.5
3 12	11 49.04	− 2 34.1	1.310	2.299	3.3	21.1
3 22	11 39.08	− 1 29.1	1.282	2.274	2.9	21.0
4 1	11 29.45	− 0 21.3	1.280	2.250	8.2	21.3
4 11	11 21.48	+ 0 40.0	1.304	2.226	13.2	21.5
4 21	11 16.09	+ 1 27.9	1.348	2.201	17.7	21.7

297862 2002 CY_{68} 3 16.3 45.°77 2.°6/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.05	+ 3 59.9	1.196	2.057	17.7	21.0
2 21	12 4.81	+ 4 52.5	1.146	2.072	13.0	20.7
3 2	11 57.72	+ 5 58.4	1.117	2.087	7.7	20.5
3 12	11 48.84	+ 7 7.8	1.112	2.103	2.9	20.2
3 22	11 39.56	+ 8 10.3	1.133	2.120	5.1	20.4
4 1	11 31.34	+ 8 56.8	1.178	2.137	10.2	20.8
4 11	11 25.36	+ 9 22.1	1.245	2.154	14.8	21.1
4 21	11 22.21	+ 9 25.0	1.331	2.172	18.6	21.4

368180 2000 RD_{14} 3 16.3 188.°27 4.°4/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.94	−13 46.7	2.388	3.140	13.4	22.1
2 21	12 4.50	−14 2.2	2.293	3.139	10.9	21.9
3 2	11 57.22	−14 0.1	2.221	3.138	8.1	21.7
3 12	11 48.68	−13 40.8	2.175	3.136	5.5	21.5
3 22	11 39.66	−13 6.4	2.158	3.134	4.4	21.4
4 1	11 31.01	−12 20.8	2.170	3.131	6.0	21.5
4 11	11 23.55	−11 29.9	2.210	3.128	8.8	21.7
4 21	11 17.86	−10 39.5	2.275	3.124	11.6	21.9

296229 2009 CC_{44} 3 16.3 353.°61 1.°3/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.54	− 2 56.0	2.056	2.870	13.2	20.1
2 21	12 2.86	− 2 58.5	1.971	2.868	10.0	19.9
3 2	11 56.27	− 2 48.7	1.911	2.867	6.4	19.7
3 12	11 48.40	− 2 29.3	1.878	2.866	2.6	19.4
3 22	11 40.07	− 2 4.0	1.873	2.865	2.3	19.4
4 1	11 32.20	− 1 37.4	1.896	2.864	6.1	19.6
4 11	11 25.64	− 1 14.4	1.946	2.864	9.8	19.9
4 21	11 20.97	− 0 58.7	2.019	2.864	13.0	20.1

213875 2003 SA_{225} 3 16.3 81.°94 1.°5/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.75	+ 2 27.3	1.553	2.393	15.4	20.1
2 21	12 5.51	+ 3 13.8	1.498	2.413	11.3	19.9
3 2	11 57.91	+ 4 12.2	1.466	2.432	6.7	19.7
3 12	11 48.87	+ 5 15.3	1.461	2.452	2.1	19.4
3 22	11 39.53	+ 6 15.1	1.483	2.471	3.8	19.6
4 1	11 31.06	+ 7 4.2	1.532	2.490	8.3	19.9
4 11	11 24.45	+ 7 37.4	1.606	2.509	12.4	20.2
4 21	11 20.24	+ 7 52.8	1.701	2.528	15.9	20.4

486652 2013 QM_1 3 16.3 314.°53 19.°1/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 18.44	−29 4.6	1.107	1.826	27.5	20.9
2 21	12 13.61	−32 5.3	1.037	1.824	25.2	20.6
3 2	12 4.29	−34 32.8	0.982	1.822	22.7	20.4
3 12	11 51.21	−36 12.3	0.942	1.820	20.5	20.3
3 22	11 36.06	−36 53.0	0.920	1.818	19.2	20.2
4 1	11 21.39	−36 32.7	0.916	1.816	19.3	20.2
4 11	11 9.73	−35 22.4	0.929	1.814	20.8	20.3
4 21	11 2.65	−33 40.1	0.957	1.813	23.1	20.4

230418 2002 NC_{52} 3 16.3 199.°37 2.°1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.43	− 5 53.2	1.646	2.454	16.2	21.4
2 21	12 7.03	− 5 41.1	1.560	2.451	12.6	21.2
3 2	11 59.07	− 5 9.6	1.496	2.448	8.3	20.9
3 12	11 49.31	− 4 21.6	1.458	2.444	3.7	20.6
3 22	11 38.86	− 3 22.6	1.448	2.439	3.0	20.5
4 1	11 28.98	− 2 20.3	1.465	2.434	7.4	20.8
4 11	11 20.84	− 1 22.9	1.508	2.428	12.0	21.0
4 21	11 15.18	− 0 36.7	1.574	2.421	15.9	21.3

193021 2000 EU_{52} 3 16.3 68.°45 0.°8/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.29	− 1 6.1	1.267	2.104	18.4	19.8
2 21	12 8.64	− 1 6.4	1.210	2.120	13.9	19.5
3 2	12 0.05	− 0 50.1	1.174	2.137	8.6	19.3
3 12	11 49.57	− 0 22.1	1.163	2.153	2.9	19.0
3 22	11 38.64	+ 0 11.0	1.177	2.170	3.1	19.0
4 1	11 28.79	+ 0 41.7	1.217	2.186	8.6	19.4
4 11	11 21.25	+ 1 3.2	1.281	2.203	13.4	19.7
4 21	11 16.69	+ 1 11.6	1.365	2.219	17.5	20.0

9986 Hirokun 3 16.3 317.°77 9.°1/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.01	−22 31.5	1.756	2.484	18.4	16.6
2 21	12 3.86	−23 23.4	1.667	2.479	16.0	16.4
3 2	11 57.21	−23 48.0	1.595	2.474	13.2	16.3
3 12	11 48.77	−23 41.9	1.545	2.470	10.7	16.1
3 22	11 39.56	−23 5.0	1.519	2.465	9.2	16.0
4 1	11 30.80	−22 1.5	1.517	2.461	9.7	16.0
4 11	11 23.66	−20 40.1	1.540	2.457	11.9	16.1
4 21	11 18.93	−19 11.2	1.585	2.454	14.7	16.3

187503 2006 SQ_{364} 3 16.3 12.°33 2.°8/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.91	+ 6 32.4	1.157	2.026	17.6	18.6
2 21	12 4.17	+ 6 50.4	1.101	2.030	13.0	18.3
3 2	11 57.46	+ 7 17.1	1.065	2.036	7.8	18.0
3 12	11 48.82	+ 7 44.7	1.053	2.043	3.2	17.8
3 22	11 39.64	+ 8 5.2	1.064	2.051	5.3	17.9
4 1	11 31.47	+ 8 11.8	1.100	2.061	10.3	18.2
4 11	11 25.56	+ 8 0.8	1.157	2.073	15.1	18.5
4 21	11 22.57	+ 7 31.6	1.232	2.085	19.1	18.8

296369 2009 FP_{37} 3 16.3 252.°05 2.°6/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.27	+ 5 53.2	1.865	2.704	13.3	21.4
2 21	12 5.25	+ 6 43.9	1.771	2.686	9.9	21.1
3 2	11 57.93	+ 7 44.3	1.702	2.668	6.0	20.9
3 12	11 48.98	+ 8 47.7	1.661	2.649	2.8	20.6
3 22	11 39.33	+ 9 46.8	1.648	2.630	4.6	20.7
4 1	11 30.08	+10 34.5	1.663	2.610	8.8	20.9
4 11	11 22.30	+11 5.5	1.703	2.590	12.8	21.1
4 21	11 16.69	+11 17.7	1.765	2.569	16.3	21.3

169652 2002 JU_{48} 3 16.3 341.°02 2.°5/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.32	+ 5 2.8	1.159	2.027	17.7	19.1
2 21	12 4.01	+ 5 26.3	1.087	2.015	13.2	18.8
3 2	11 57.58	+ 6 2.0	1.034	2.005	8.0	18.4
3 12	11 48.93	+ 6 42.3	1.005	1.996	3.0	18.1
3 22	11 39.42	+ 7 18.1	0.999	1.987	5.1	18.2
4 1	11 30.66	+ 7 40.9	1.017	1.980	10.7	18.5
4 11	11 24.12	+ 7 44.7	1.056	1.975	15.9	18.8
4 21	11 20.64	+ 7 27.5	1.113	1.970	20.4	19.0

42801 1999 FK_{41} 3 16.3 64.°12 3.°4/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.84	− 6 34.3	1.574	2.373	17.2	18.4
2 21	12 10.65	− 7 11.3	1.523	2.406	13.3	18.2
3 2	12 0.97	− 7 30.5	1.494	2.439	9.0	18.0
3 12	11 49.81	− 7 33.2	1.491	2.471	4.8	17.8
3 22	11 38.42	− 7 22.8	1.515	2.503	3.8	17.9
4 1	11 28.09	− 7 4.8	1.568	2.535	7.2	18.1
4 11	11 19.83	− 6 45.4	1.647	2.567	11.1	18.4
4 21	11 14.22	− 6 30.0	1.749	2.599	14.5	18.7

424842 2008 UA_{275} 3 16.3 276.°47 2.°3/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.17	+ 6 22.1	2.019	2.859	12.4	21.3
2 21	12 3.45	+ 6 58.9	1.930	2.846	9.2	21.1
3 2	11 56.71	+ 7 42.8	1.866	2.832	5.5	20.9
3 12	11 48.58	+ 8 28.3	1.830	2.819	2.5	20.6
3 22	11 39.91	+ 9 9.5	1.822	2.805	4.1	20.7
4 1	11 31.66	+ 9 40.8	1.842	2.792	7.9	20.9
4 11	11 24.74	+ 9 58.1	1.888	2.778	11.6	21.1
4 21	11 19.78	+ 9 59.7	1.956	2.764	14.8	21.3

487576 2014 YN_{13} 3 16.3 74.°65 8.°8/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.59	+23 30.5	1.749	2.601	13.4	20.7
2 21	12 5.28	+25 8.7	1.715	2.619	10.8	20.5
3 2	11 57.72	+26 37.0	1.705	2.637	9.1	20.5
3 12	11 48.83	+27 45.2	1.721	2.655	9.1	20.5
3 22	11 39.71	+28 26.4	1.762	2.673	10.6	20.6
4 1	11 31.50	+28 37.6	1.827	2.692	13.0	20.8
4 11	11 25.12	+28 20.1	1.914	2.710	15.4	21.0
4 21	11 21.06	+27 37.8	2.017	2.727	17.4	21.2

59286 1999 CV_{51} 3 16.3 36.°67 2.°6/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.44	+ 5 41.9	1.373	2.229	16.1	18.4
2 21	12 4.84	+ 6 15.4	1.319	2.242	11.8	18.2
3 2	11 57.66	+ 6 57.8	1.287	2.255	7.1	17.9
3 12	11 48.85	+ 7 41.6	1.279	2.269	2.9	17.7
3 22	11 39.66	+ 8 18.9	1.298	2.284	4.8	17.9
4 1	11 31.41	+ 8 43.0	1.342	2.299	9.4	18.2
4 11	11 25.17	+ 8 49.9	1.410	2.315	13.7	18.5
4 21	11 21.53	+ 8 38.9	1.497	2.332	17.2	18.7

464138 2014 XC_1 3 16.3 151.°57 2.°0/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.04	+ 6 23.4	2.343	3.169	11.4	21.2
2 21	12 5.85	+ 6 58.9	2.272	3.180	8.3	21.0
3 2	11 57.92	+ 7 39.6	2.227	3.191	5.0	20.8
3 12	11 48.89	+ 8 20.6	2.212	3.200	2.2	20.6
3 22	11 39.57	+ 8 57.1	2.226	3.209	3.6	20.7
4 1	11 30.80	+ 9 24.5	2.271	3.217	6.9	20.9
4 11	11 23.32	+ 9 40.1	2.343	3.224	10.0	21.1
4 21	11 17.64	+ 9 42.6	2.439	3.230	12.7	21.3

374362 2005 UR_{232} 3 16.3 249.°35 6.°9/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.71	+20 6.7	2.047	2.890	12.1	22.0
2 21	12 6.88	+21 11.6	1.969	2.875	9.6	21.8
3 2	11 58.81	+22 12.9	1.916	2.859	7.5	21.6
3 12	11 49.23	+23 2.0	1.890	2.843	7.0	21.6
3 22	11 39.09	+23 32.1	1.892	2.826	8.6	21.6
4 1	11 29.49	+23 38.7	1.920	2.809	11.3	21.8
4 11	11 21.40	+23 20.9	1.971	2.792	14.1	21.9
4 21	11 15.51	+22 40.7	2.042	2.774	16.7	22.1

76147 2000 EY_{16} 3 16.3 41.°15 0.°2/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.29	+ 2 13.1	1.431	2.270	16.6	18.5
2 21	12 8.45	+ 1 58.6	1.367	2.279	12.4	18.3
3 2	11 59.89	+ 1 54.5	1.325	2.289	7.6	18.1
3 12	11 49.55	+ 1 56.7	1.309	2.300	2.3	17.8
3 22	11 38.73	+ 2 0.5	1.319	2.311	3.1	17.8
4 1	11 28.83	+ 2 0.7	1.356	2.322	8.2	18.2
4 11	11 21.01	+ 1 53.3	1.418	2.334	12.8	18.5
4 21	11 15.94	+ 1 35.9	1.500	2.346	16.6	18.7

108279 2001 HM_{59} 3 16.3 261.°89 1.°8/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.63	+ 3 54.0	1.802	2.640	13.7	20.5
2 21	12 4.83	+ 4 34.1	1.710	2.624	10.2	20.2
3 2	11 57.70	+ 5 25.1	1.641	2.607	6.2	19.9
3 12	11 48.93	+ 6 21.4	1.599	2.590	2.2	19.6
3 22	11 39.46	+ 7 15.8	1.586	2.573	3.9	19.7
4 1	11 30.41	+ 8 1.3	1.600	2.555	8.4	19.9
4 11	11 22.85	+ 8 32.4	1.640	2.537	12.6	20.1
4 21	11 17.51	+ 8 46.2	1.701	2.519	16.2	20.3

413103 2001 UT_{142} 3 16.3 36.°41 2.°7/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.83	+ 5 14.9	1.118	1.981	18.5	20.5
2 21	12 6.61	+ 5 53.6	1.092	2.018	13.4	20.3
3 2	11 58.59	+ 6 41.6	1.086	2.056	7.9	20.1
3 12	11 49.06	+ 7 29.6	1.105	2.095	3.1	19.9
3 22	11 39.55	+ 8 8.5	1.148	2.135	5.1	20.2
4 1	11 31.45	+ 8 31.8	1.216	2.175	9.9	20.6
4 11	11 25.77	+ 8 36.4	1.306	2.216	14.2	20.9
4 21	11 22.92	+ 8 22.5	1.415	2.257	17.7	21.2

36599 2000 QB_{138} 3 16.3 277.°46 1.°6/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.86	+ 1 7.9	1.495	2.341	15.6	18.8
2 21	12 3.12	+ 2 13.1	1.411	2.329	11.6	18.5
3 2	11 56.81	+ 3 36.4	1.349	2.316	7.0	18.2
3 12	11 48.68	+ 5 10.5	1.312	2.303	2.2	17.9
3 22	11 39.80	+ 6 45.1	1.302	2.291	4.2	18.0
4 1	11 31.44	+ 8 9.7	1.319	2.278	9.3	18.2
4 11	11 24.80	+ 9 15.5	1.360	2.265	14.1	18.4
4 21	11 20.66	+ 9 58.1	1.421	2.252	18.2	18.7

172999 2006 MF_2 3 16.3 212.°21 1.°9/14.4 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 11	12 8.56	+ 2 44.2	1.818	2.655	13.7	21.2
2 21	12 3.90	+ 3 48.4	1.736	2.650	10.1	21.0
3 2	11 57.05	+ 5 5.6	1.678	2.644	6.0	20.7
3 12	11 48.70	+ 6 28.9	1.648	2.638	2.2	20.4
3 22	11 39.80	+ 7 50.1	1.646	2.632	4.0	20.5
4 1	11 31.41	+ 9 1.1	1.672	2.625	8.3	20.8
4 11	11 24.51	+ 9 55.5	1.724	2.617	12.3	21.0
4 21	11 19.75	+10 30.4	1.797	2.609	15.7	21.2

27944 1997 MA_3 3 16.3 181.°58 3.°0/13.6 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 11	12 12.20	+ 6 51.1	1.821	2.660	13.6	18.7
2 21	12 6.53	+ 7 46.6	1.747	2.661	10.0	18.5
3 2	11 58.60	+ 8 49.9	1.697	2.662	6.1	18.2
3 12	11 49.16	+ 9 53.7	1.675	2.662	3.1	18.1
3 22	11 39.23	+10 50.6	1.681	2.661	4.9	18.2
4 1	11 29.92	+11 33.9	1.716	2.659	8.8	18.4
4 11	11 22.22	+11 59.4	1.776	2.657	12.6	18.6
4 21	11 16.78	+12 6.0	1.857	2.654	15.8	18.8

458769 2011 SF_{64} 3 16.3 157.°12 0.°1/16.4 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 11	12 11.18	− 1 49.6	1.928	2.743	13.9	22.6
2 21	12 5.61	− 1 7.8	1.852	2.752	10.4	22.4
3 2	11 57.96	− 0 11.5	1.801	2.760	6.4	22.2
3 12	11 48.96	+ 0 54.2	1.777	2.767	2.0	21.9
3 22	11 39.53	+ 2 2.9	1.782	2.774	2.5	21.9
4 1	11 30.70	+ 3 7.5	1.817	2.779	6.9	22.2
4 11	11 23.37	+ 4 1.7	1.878	2.784	10.8	22.5
4 21	11 18.13	+ 4 41.7	1.963	2.788	14.1	22.7

467647 2008 SM_{192} 3 16.3 183.°38 0.°7/15.4 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 11	12 6.39	+ 0 56.5	2.375	3.197	11.4	22.1
2 21	12 1.78	+ 1 43.5	2.292	3.197	8.4	21.9
3 2	11 55.53	+ 2 40.8	2.234	3.197	5.0	21.7
3 12	11 48.20	+ 3 43.9	2.205	3.197	1.5	21.4
3 22	11 40.51	+ 4 47.2	2.207	3.196	2.6	21.5
4 1	11 33.24	+ 5 45.2	2.237	3.195	6.2	21.7
4 11	11 27.08	+ 6 33.1	2.296	3.193	9.4	21.9
4 21	11 22.53	+ 7 8.1	2.377	3.191	12.3	22.1

269450 2009 SD_{253} 3 16.3 156.°20 3.°4/12.9 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 11	12 8.63	+ 9 7.6	2.004	2.848	12.3	20.6
2 21	12 3.67	+10 0.0	1.934	2.851	9.0	20.4
3 2	11 56.76	+10 57.0	1.888	2.853	5.6	20.2
3 12	11 48.59	+11 52.2	1.871	2.855	3.4	20.1
3 22	11 40.02	+12 39.0	1.882	2.857	5.1	20.2
4 1	11 32.03	+13 12.0	1.921	2.859	8.4	20.4
4 11	11 25.44	+13 28.0	1.985	2.860	11.8	20.6
4 21	11 20.81	+13 26.5	2.071	2.862	14.6	20.8

473199 2015 KF_{90} 3 16.3 320.°10 3.°6/12.3 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 11	12 5.02	+ 9 47.7	2.071	2.921	11.7	20.8
2 21	12 1.05	+10 43.5	1.991	2.911	8.6	20.6
3 2	11 55.21	+11 44.2	1.936	2.901	5.5	20.4
3 12	11 48.13	+12 43.2	1.909	2.891	3.6	20.3
3 22	11 40.61	+13 33.9	1.910	2.882	5.3	20.3
4 1	11 33.52	+14 10.7	1.938	2.873	8.5	20.5
4 11	11 27.70	+14 30.2	1.991	2.865	11.8	20.7
4 21	11 23.70	+14 31.4	2.065	2.856	14.7	20.9

32416 2000 RS_{31} 3 16.3 149.°79 2.°1/19.1 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 11	12 4.32	− 8 38.1	2.653	3.436	11.4	18.8
2 21	12 0.11	− 8 12.2	2.566	3.441	8.9	18.6
3 2	11 54.45	− 7 31.8	2.504	3.445	6.0	18.5
3 12	11 47.87	− 6 39.3	2.469	3.449	3.2	18.3
3 22	11 40.98	− 5 38.6	2.464	3.453	2.3	18.2
4 1	11 34.46	− 4 34.5	2.489	3.457	4.8	18.4
4 11	11 28.92	− 3 32.4	2.542	3.461	7.7	18.6
4 21	11 24.81	− 2 36.7	2.621	3.464	10.4	18.8

422751 2001 SU_{267} 3 16.3 157.°49 2.°5/13.4 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 11	12 10.10	+ 7 43.6	2.474	3.304	10.7	22.2
2 21	12 4.38	+ 8 32.4	2.403	3.313	7.9	22.1
3 2	11 57.03	+ 9 25.8	2.358	3.322	4.8	21.9
3 12	11 48.65	+10 18.4	2.343	3.329	2.5	21.7
3 22	11 39.98	+11 5.0	2.359	3.336	3.9	21.8
4 1	11 31.81	+11 41.3	2.404	3.342	6.9	22.0
4 11	11 24.82	+12 4.3	2.476	3.348	9.9	22.2
4 21	11 19.50	+12 13.0	2.572	3.353	12.4	22.4

52001 2001 UO_{30} 3 16.3 31.°72 4.°9/10.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 11	12 5.43	+13 11.5	1.939	2.795	12.1	18.0
2 21	12 1.34	+14 23.9	1.881	2.802	9.0	17.8
3 2	11 55.35	+15 37.7	1.848	2.808	6.1	17.7
3 12	11 48.16	+16 44.9	1.842	2.816	5.0	17.6
3 22	11 40.65	+17 38.5	1.864	2.823	6.7	17.7
4 1	11 33.74	+18 13.2	1.912	2.831	9.6	17.9
4 11	11 28.23	+18 26.8	1.984	2.840	12.6	18.1
4 21	11 24.65	+18 19.7	2.076	2.848	15.2	18.3

372702 2009 WJ_{237} 3 16.3 104.°15 2.°3/18.6 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 11	12 7.51	− 7 14.5	1.934	2.736	14.4	21.4
2 21	12 2.95	− 7 2.7	1.855	2.741	11.2	21.2
3 2	11 56.39	− 6 33.4	1.798	2.745	7.5	21.0
3 12	11 48.50	− 5 49.2	1.767	2.750	3.7	20.8
3 22	11 40.17	− 4 55.0	1.764	2.755	2.8	20.7
4 1	11 32.37	− 3 56.9	1.790	2.760	6.2	20.9
4 11	11 25.97	− 3 1.9	1.842	2.764	10.0	21.2
4 21	11 21.56	− 2 15.3	1.917	2.769	13.3	21.4

331124 2010 VD_{13} 3 16.3 66.°29 7.°2/10.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 11	12 13.39	+18 27.0	1.580	2.434	14.5	20.1
2 21	12 7.49	+19 29.3	1.536	2.450	11.1	20.0
3 2	11 59.13	+20 26.1	1.515	2.466	8.3	19.8
3 12	11 49.30	+21 8.1	1.520	2.483	7.3	19.8
3 22	11 39.23	+21 28.1	1.551	2.499	9.0	19.9
4 1	11 30.18	+21 22.8	1.607	2.515	11.9	20.2
4 11	11 23.14	+20 52.9	1.686	2.532	15.0	20.4
4 21	11 18.65	+20 1.7	1.784	2.548	17.6	20.6

257167 2008 HS_{66} 3 16.3 12.°53 2.°7/17.8 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 11	12 12.92	− 2 33.6	1.273	2.109	18.5	19.3
2 21	12 7.87	− 3 24.7	1.206	2.112	14.2	19.0
3 2	11 59.78	− 4 1.1	1.158	2.116	9.3	18.8
3 12	11 49.61	− 4 23.8	1.135	2.121	4.3	18.5
3 22	11 38.74	− 4 35.5	1.136	2.128	3.7	18.5
4 1	11 28.74	− 4 40.8	1.163	2.135	8.4	18.8
4 11	11 20.98	− 4 45.7	1.214	2.144	13.3	19.0
4 21	11 16.23	− 4 54.8	1.284	2.153	17.5	19.3

173829 2001 TJ_{34} 3 16.3 123.°63 2.°2/13.8 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 11	12 8.67	+ 8 2.0	2.493	3.326	10.6	20.3
2 21	12 3.31	+ 8 30.0	2.422	3.334	7.7	20.1
3 2	11 56.37	+ 9 1.4	2.378	3.342	4.7	19.9
3 12	11 48.46	+ 9 32.0	2.363	3.350	2.3	19.8
3 22	11 40.28	+ 9 57.4	2.377	3.358	3.6	19.9
4 1	11 32.58	+10 14.0	2.421	3.365	6.6	20.1
4 11	11 26.04	+10 19.4	2.492	3.373	9.5	20.2
4 21	11 21.12	+10 12.8	2.587	3.380	12.0	20.4

136726 1995 UH_{41} 3 16.3 224.°61 1.°7/18.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 11	12 4.32	− 7 15.9	2.505	3.297	11.7	20.6
2 21	12 0.24	− 6 46.6	2.411	3.293	9.1	20.4
3 2	11 54.61	− 6 2.4	2.341	3.288	6.1	20.2
3 12	11 47.95	− 5 6.0	2.299	3.283	2.9	20.0
3 22	11 40.91	− 4 1.6	2.286	3.277	2.1	19.9
4 1	11 34.21	− 2 54.4	2.303	3.272	5.1	20.1
4 11	11 28.52	− 1 50.3	2.348	3.266	8.3	20.3
4 21	11 24.34	− 0 53.8	2.418	3.260	11.2	20.5

134660 1999 VR_{112} 3 16.3 146.°16 0.°1/16.4 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 11	12 10.07	− 1 33.5	1.988	2.805	13.5	21.2
2 21	12 4.73	− 0 57.4	1.914	2.814	10.1	21.0
3 2	11 57.41	− 0 8.0	1.864	2.824	6.2	20.8
3 12	11 48.81	+ 0 50.3	1.841	2.832	1.9	20.5
3 22	11 39.82	+ 1 51.3	1.848	2.840	2.4	20.6
4 1	11 31.42	+ 2 48.5	1.884	2.847	6.6	20.8
4 11	11 24.45	+ 3 36.3	1.947	2.854	10.4	21.1
4 21	11 19.47	+ 4 11.1	2.034	2.860	13.6	21.3

491021 2011 OF_{12} 3 16.3 97.°72 3.°2/13.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 11	12 8.80	+ 4 16.2	1.396	2.250	16.1	21.0
2 21	12 4.44	+ 5 42.5	1.337	2.260	11.8	20.7
3 2	11 57.49	+ 7 22.4	1.301	2.269	7.0	20.5
3 12	11 48.87	+ 9 5.6	1.290	2.279	3.3	20.3
3 22	11 39.77	+10 40.4	1.307	2.288	5.6	20.4
4 1	11 31.52	+11 56.6	1.349	2.298	10.2	20.7
4 11	11 25.22	+12 48.2	1.415	2.307	14.5	21.0
4 21	11 21.49	+13 13.8	1.500	2.316	18.1	21.2

6582 Flagsymphony 3 16.3 94.°75 2.°0/18.7 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 11	12 7.97	− 8 24.0	2.187	2.975	13.4	17.6
2 21	12 2.91	− 7 48.0	2.123	3.002	10.3	17.5
3 2	11 56.16	− 6 55.0	2.083	3.028	6.8	17.3
3 12	11 48.40	− 5 48.8	2.071	3.054	3.3	17.1
3 22	11 40.41	− 4 34.8	2.088	3.079	2.4	17.1
4 1	11 33.02	− 3 19.5	2.135	3.103	5.5	17.4
4 11	11 26.94	− 2 9.3	2.210	3.127	8.8	17.6
4 21	11 22.64	− 1 9.0	2.309	3.151	11.7	17.8

363906 2005 SF_{187} 3 16.3 201.°91 0.°4/15.9 15

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 11	12 8.17	− 0 10.7	2.444	3.258	11.3	22.3
2 21	12 3.11	+ 0 33.7	2.352	3.253	8.5	22.1
3 2	11 56.37	+ 1 29.1	2.286	3.247	5.1	21.9
3 12	11 48.50	+ 2 31.4	2.249	3.240	1.5	21.6
3 22	11 40.21	+ 3 35.4	2.243	3.233	2.3	21.7
4 1	11 32.29	+ 4 35.5	2.266	3.225	6.0	21.9
4 11	11 25.47	+ 5 26.7	2.318	3.216	9.3	22.1
4 21	11 20.27	+ 6 5.8	2.394	3.207	12.3	22.3

379043 2008 WM_{25} 3 16.3 104.°53 0.°4/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.65	− 2 3.5	2.078	2.897	12.9	21.7
2 21	12 2.16	− 1 34.3	2.001	2.902	9.7	21.5
3 2	11 55.84	− 0 52.1	1.948	2.907	6.0	21.2
3 12	11 48.34	− 0 0.9	1.922	2.913	2.0	21.0
3 22	11 40.45	+ 0 53.9	1.925	2.918	2.2	21.0
4 1	11 33.07	+ 1 46.4	1.957	2.923	6.2	21.3
4 11	11 26.97	+ 2 31.1	2.016	2.928	9.8	21.5
4 21	11 22.70	+ 3 4.4	2.098	2.933	13.0	21.7

105656 2000 SA_{28} 3 16.3 106.°57 1.°8/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.17	− 7 25.8	2.570	3.359	11.6	19.9
2 21	12 0.72	− 7 3.7	2.493	3.372	8.9	19.7
3 2	11 54.82	− 6 27.9	2.440	3.385	6.0	19.6
3 12	11 48.00	− 5 41.0	2.415	3.397	3.0	19.4
3 22	11 40.91	− 4 46.9	2.419	3.410	2.2	19.3
4 1	11 34.24	− 3 50.4	2.454	3.422	4.9	19.5
4 11	11 28.61	− 2 56.6	2.516	3.434	7.8	19.7
4 21	11 24.46	− 2 9.5	2.604	3.446	10.5	19.9

470202 2006 VD_{60} 3 16.3 195.°89 3.°6/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.32	−14 26.7	2.768	3.518	11.8	22.0
2 21	12 0.13	−14 12.7	2.671	3.517	9.6	21.8
3 2	11 54.50	−13 41.7	2.597	3.514	7.1	21.6
3 12	11 47.92	−12 54.9	2.549	3.512	4.7	21.5
3 22	11 40.99	−11 55.1	2.531	3.509	3.6	21.4
4 1	11 34.38	−10 46.9	2.542	3.506	5.0	21.5
4 11	11 28.71	− 9 35.7	2.582	3.503	7.5	21.6
4 21	11 24.44	− 8 26.9	2.647	3.500	10.0	21.8

466720 2014 WX_{494} 3 16.3 78.°61 0.°2/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.92	− 1 47.9	1.909	2.733	13.7	20.6
2 21	12 2.35	− 0 52.9	1.850	2.755	10.1	20.4
3 2	11 55.92	+ 0 16.2	1.815	2.776	6.1	20.2
3 12	11 48.35	+ 1 33.5	1.807	2.798	1.8	19.9
3 22	11 40.51	+ 2 51.7	1.828	2.819	2.5	20.0
4 1	11 33.34	+ 4 3.7	1.878	2.841	6.6	20.3
4 11	11 27.60	+ 5 3.6	1.954	2.862	10.3	20.6
4 21	11 23.78	+ 5 47.8	2.053	2.882	13.4	20.8

452548 2004 VC_{81} 3 16.3 189.°65 4.°4/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.43	−14 2.9	1.932	2.698	15.7	21.9
2 21	12 4.53	−13 48.5	1.841	2.698	12.7	21.7
3 2	11 57.45	−13 10.2	1.771	2.696	9.3	21.5
3 12	11 48.88	−12 9.3	1.726	2.694	5.9	21.3
3 22	11 39.74	−10 49.9	1.709	2.692	4.4	21.2
4 1	11 31.08	− 9 19.3	1.721	2.688	6.7	21.3
4 11	11 23.88	− 7 46.6	1.760	2.684	10.2	21.5
4 21	11 18.79	− 6 20.0	1.823	2.679	13.7	21.7

215453 2002 PG_{11} 3 16.3 142.°92 1.°0/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.26	− 4 6.4	1.871	2.684	14.4	21.3
2 21	12 4.28	− 3 36.2	1.795	2.691	10.9	21.1
3 2	11 57.21	− 2 49.8	1.742	2.698	6.9	20.9
3 12	11 48.78	− 1 51.2	1.716	2.705	2.6	20.6
3 22	11 39.92	− 0 46.6	1.719	2.711	2.4	20.6
4 1	11 31.64	+ 0 17.1	1.750	2.717	6.6	20.9
4 11	11 24.85	+ 1 13.1	1.808	2.723	10.6	21.1
4 21	11 20.15	+ 1 56.7	1.889	2.728	14.0	21.4

374600 2006 DM_{110} 3 16.3 20.°30 0.°5/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.19	− 3 43.0	1.531	2.367	15.8	20.4
2 21	12 0.13	− 2 52.3	1.464	2.373	11.9	20.1
3 2	11 54.83	− 1 41.5	1.418	2.380	7.4	19.9
3 12	11 48.07	− 0 16.9	1.397	2.388	2.5	19.6
3 22	11 40.86	+ 1 12.9	1.403	2.396	2.7	19.6
4 1	11 34.31	+ 2 38.2	1.436	2.405	7.5	19.9
4 11	11 29.39	+ 3 50.4	1.494	2.415	11.9	20.2
4 21	11 26.68	+ 4 44.2	1.573	2.425	15.6	20.5

157812 1995 US_{60} 3 16.3 53.°17 0.°3/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.29	− 1 28.5	1.294	2.138	17.6	20.2
2 21	12 4.32	− 0 41.1	1.227	2.143	13.2	20.0
3 2	11 57.57	+ 0 26.7	1.182	2.147	8.1	19.7
3 12	11 48.94	+ 1 47.8	1.160	2.152	2.4	19.4
3 22	11 39.71	+ 3 12.1	1.165	2.157	3.5	19.4
4 1	11 31.30	+ 4 28.6	1.195	2.162	9.0	19.8
4 11	11 24.93	+ 5 28.4	1.248	2.167	14.0	20.1
4 21	11 21.32	+ 6 6.8	1.321	2.172	18.2	20.3

301546 2009 FX_{71} 3 16.3 270.°40 4.°3/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.40	+15 12.3	2.417	3.256	10.6	20.7
2 21	12 4.77	+15 43.5	2.336	3.247	8.0	20.5
3 2	11 57.37	+16 13.6	2.281	3.237	5.5	20.3
3 12	11 48.82	+16 37.1	2.255	3.228	4.3	20.2
3 22	11 39.88	+16 49.4	2.258	3.218	5.7	20.3
4 1	11 31.40	+16 47.2	2.289	3.208	8.3	20.4
4 11	11 24.15	+16 29.3	2.346	3.199	11.0	20.6
4 21	11 18.65	+15 56.1	2.425	3.189	13.5	20.7

94506 2001 UX_{74} 3 16.3 291.°62 2.°6/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.11	+ 4 21.9	1.398	2.251	16.1	19.8
2 21	12 4.86	+ 5 17.0	1.325	2.247	11.9	19.5
3 2	11 57.89	+ 6 25.4	1.275	2.243	7.1	19.2
3 12	11 49.06	+ 7 38.8	1.249	2.239	2.9	18.9
3 22	11 39.54	+ 8 47.4	1.250	2.236	5.1	19.1
4 1	11 30.74	+ 9 41.9	1.277	2.232	10.0	19.3
4 11	11 23.86	+10 16.0	1.326	2.228	14.6	19.6
4 21	11 19.66	+10 27.3	1.395	2.224	18.5	19.8

293909 Matterhorn 3 16.3 243.°94 1.°7/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.59	+ 5 51.7	2.246	3.077	11.6	20.8
2 21	12 4.29	+ 6 13.0	2.159	3.070	8.6	20.6
3 2	11 57.14	+ 6 40.1	2.098	3.063	5.2	20.4
3 12	11 48.76	+ 7 8.5	2.065	3.055	2.0	20.1
3 22	11 39.94	+ 7 33.7	2.062	3.048	3.4	20.2
4 1	11 31.55	+ 7 51.4	2.088	3.040	6.9	20.4
4 11	11 24.40	+ 7 58.3	2.141	3.032	10.3	20.6
4 21	11 19.05	+ 7 52.9	2.216	3.024	13.3	20.8

284413 2006 UH_{228} 3 16.3 161.°99 2.°0/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.12	− 7 45.0	2.944	3.722	10.5	21.5
2 21	12 1.31	− 7 34.9	2.855	3.728	8.2	21.3
3 2	11 55.15	− 7 13.0	2.792	3.732	5.5	21.1
3 12	11 48.12	− 6 40.9	2.757	3.737	2.9	21.0
3 22	11 40.80	− 6 1.6	2.752	3.741	2.2	20.9
4 1	11 33.82	− 5 18.9	2.777	3.744	4.5	21.1
4 11	11 27.74	− 4 36.8	2.832	3.748	7.2	21.3
4 21	11 22.99	− 3 58.9	2.912	3.750	9.6	21.4

18194 2000 QE_{100} 3 16.3 66.°76 1.°9/13.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.91	+ 4 15.7	2.302	3.139	11.2	18.8
2 21	12 0.00	+ 5 18.3	2.226	3.140	8.2	18.6
3 2	11 54.49	+ 6 29.5	2.175	3.141	4.8	18.4
3 12	11 47.94	+ 7 43.6	2.153	3.142	2.0	18.2
3 22	11 41.04	+ 8 54.3	2.160	3.143	3.6	18.3
4 1	11 34.56	+ 9 55.7	2.196	3.144	6.9	18.5
4 11	11 29.20	+10 43.5	2.259	3.146	10.1	18.7
4 21	11 25.44	+11 15.3	2.344	3.147	12.8	18.9

382856 2004 FK_{28} 3 16.3 317.°38 0.°6/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.37	+ 1 17.2	1.927	2.762	13.1	20.6
2 21	12 1.51	+ 1 44.1	1.834	2.746	9.8	20.3
3 2	11 55.63	+ 2 22.6	1.765	2.729	5.9	20.1
3 12	11 48.34	+ 3 8.3	1.722	2.713	1.8	19.8
3 22	11 40.46	+ 3 55.6	1.707	2.698	2.9	19.8
4 1	11 32.98	+ 4 38.3	1.720	2.683	7.2	20.0
4 11	11 26.79	+ 5 10.9	1.758	2.668	11.2	20.2
4 21	11 22.56	+ 5 29.9	1.819	2.654	14.6	20.4

395155 2010 CE_{87} 3 16.3 186.°55 3.°0/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.26	+ 4 50.9	1.585	2.430	14.9	21.6
2 21	12 5.42	+ 6 7.6	1.512	2.430	11.0	21.3
3 2	11 58.10	+ 7 36.7	1.463	2.430	6.6	21.1
3 12	11 49.10	+ 9 9.5	1.441	2.429	3.1	20.8
3 22	11 39.52	+10 35.9	1.446	2.428	5.3	21.0
4 1	11 30.60	+11 46.6	1.479	2.425	9.7	21.2
4 11	11 23.44	+12 35.6	1.536	2.423	13.9	21.4
4 21	11 18.73	+13 1.0	1.613	2.420	17.4	21.7

399640 2004 QL_{10} 3 16.3 173.°35 3.°4/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.79	+ 8 24.3	2.060	2.896	12.3	22.7
2 21	12 6.00	+ 9 33.4	1.988	2.901	9.1	22.5
3 2	11 58.19	+10 48.4	1.941	2.904	5.6	22.3
3 12	11 49.08	+12 2.2	1.923	2.907	3.4	22.2
3 22	11 39.56	+13 7.4	1.935	2.909	5.2	22.3
4 1	11 30.60	+13 57.9	1.976	2.910	8.5	22.5
4 11	11 23.08	+14 30.1	2.043	2.909	11.9	22.7
4 21	11 17.57	+14 43.2	2.132	2.908	14.7	22.9

287541 2003 EE_{20} 3 16.3 337.°52 0.°3/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 1.98	− 3 40.2	1.508	2.347	15.9	19.4
2 21	11 59.40	− 2 19.2	1.427	2.339	11.9	19.1
3 2	11 54.50	− 0 34.0	1.368	2.332	7.3	18.9
3 12	11 48.02	+ 1 28.2	1.334	2.326	2.2	18.5
3 22	11 40.92	+ 3 36.2	1.328	2.319	3.2	18.6
4 1	11 34.37	+ 5 37.7	1.349	2.314	8.4	18.9
4 11	11 29.41	+ 7 21.5	1.394	2.309	13.1	19.1
4 21	11 26.73	+ 8 41.1	1.461	2.305	17.1	19.3

508733 2017 UB_{29} 3 16.3 122.°64 0.°8/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.11	− 4 33.7	2.488	3.292	11.4	21.9
2 21	12 0.03	− 3 53.8	2.406	3.299	8.7	21.7
3 2	11 54.46	− 3 0.6	2.350	3.305	5.5	21.5
3 12	11 47.93	− 1 57.8	2.322	3.310	2.1	21.3
3 22	11 41.09	− 0 50.3	2.324	3.316	1.8	21.3
4 1	11 34.65	+ 0 16.6	2.355	3.322	5.2	21.5
4 11	11 29.25	+ 1 17.4	2.415	3.327	8.4	21.7
4 21	11 25.34	+ 2 8.4	2.499	3.333	11.2	21.9

182492 2001 SO_{173} 3 16.3 175.°94 4.°4/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.68	+13 3.1	1.926	2.768	12.8	20.4
2 21	12 7.52	+13 39.2	1.855	2.769	9.6	20.2
3 2	11 59.16	+14 15.7	1.810	2.770	6.3	20.0
3 12	11 49.38	+14 46.0	1.792	2.770	4.4	19.9
3 22	11 39.20	+15 4.1	1.802	2.771	6.0	20.0
4 1	11 29.68	+15 6.0	1.841	2.771	9.3	20.2
4 11	11 21.79	+14 50.0	1.904	2.770	12.6	20.4
4 21	11 16.10	+14 17.1	1.989	2.770	15.5	20.6

281949 2011 GA_{34} 3 16.3 88.°34 1.°2/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.45	− 4 8.1	1.943	2.757	13.9	21.1
2 21	12 2.87	− 3 47.5	1.868	2.764	10.6	20.9
3 2	11 56.34	− 3 11.7	1.816	2.771	6.7	20.7
3 12	11 48.52	− 2 24.5	1.790	2.778	2.7	20.5
3 22	11 40.31	− 1 31.0	1.793	2.785	2.3	20.5
4 1	11 32.65	− 0 37.5	1.824	2.793	6.3	20.7
4 11	11 26.38	+ 0 9.9	1.882	2.800	10.1	21.0
4 21	11 22.07	+ 0 46.8	1.963	2.807	13.4	21.2

101607 1999 CN_6 3 16.3 283.°50 10.°0/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 19.57	−20 4.0	1.846	2.563	17.9	18.6
2 21	12 12.78	−21 58.7	1.743	2.550	15.6	18.4
3 2	12 2.96	−23 35.1	1.662	2.536	13.1	18.2
3 12	11 50.74	−24 46.9	1.605	2.523	10.9	18.0
3 22	11 37.20	−25 29.8	1.574	2.509	10.0	17.9
4 1	11 23.81	−25 43.4	1.571	2.496	10.9	18.0
4 11	11 12.05	−25 32.7	1.592	2.482	13.3	18.1
4 21	11 3.01	−25 6.3	1.636	2.469	16.1	18.2

323073 2002 TJ_{96} 3 16.3 66.°80 8.°4/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.75	−25 5.5	1.081	1.846	25.5	20.3
2 21	12 2.23	−24 9.8	1.015	1.858	21.6	20.0
3 2	11 56.51	−22 17.9	0.963	1.872	17.0	19.8
3 12	11 48.65	−19 29.8	0.931	1.885	12.0	19.5
3 22	11 40.18	−15 55.9	0.922	1.898	8.6	19.4
4 1	11 32.78	−11 57.9	0.938	1.912	9.6	19.5
4 11	11 27.81	− 8 3.1	0.980	1.926	13.9	19.8
4 21	11 25.97	− 4 33.7	1.044	1.939	18.5	20.1

172522 2003 SP_{269} 3 16.3 200.°19 1.°5/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.87	+ 3 22.8	2.046	2.874	12.7	21.5
2 21	12 5.41	+ 4 7.6	1.961	2.870	9.4	21.3
3 2	11 57.91	+ 5 2.3	1.901	2.865	5.6	21.0
3 12	11 49.03	+ 6 1.5	1.870	2.860	2.0	20.8
3 22	11 39.64	+ 6 58.8	1.868	2.854	3.5	20.9
4 1	11 30.73	+ 7 47.8	1.895	2.847	7.4	21.1
4 11	11 23.20	+ 8 23.9	1.948	2.840	11.2	21.3
4 21	11 17.66	+ 8 44.5	2.024	2.831	14.4	21.5

490939 2011 CM_{85} 3 16.3 204.°78 0.°7/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.90	+ 0 34.3	2.109	2.935	12.5	22.1
2 21	12 2.40	+ 1 22.0	2.025	2.932	9.3	21.9
3 2	11 56.04	+ 2 21.7	1.965	2.929	5.6	21.6
3 12	11 48.44	+ 3 28.5	1.934	2.925	1.6	21.4
3 22	11 40.40	+ 4 36.1	1.932	2.921	2.8	21.4
4 1	11 32.81	+ 5 38.1	1.958	2.917	6.8	21.7
4 11	11 26.46	+ 6 28.9	2.012	2.913	10.4	21.9
4 21	11 21.94	+ 7 5.1	2.088	2.908	13.5	22.1

425086 2009 SG_{19} 3 16.3 140.°50 3.°9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.62	+13 3.3	2.378	3.212	11.0	22.2
2 21	12 6.27	+13 46.3	2.316	3.225	8.1	22.0
3 2	11 58.19	+14 29.4	2.280	3.238	5.4	21.9
3 12	11 49.06	+15 7.0	2.273	3.250	3.9	21.8
3 22	11 39.68	+15 34.0	2.297	3.261	5.2	21.9
4 1	11 30.90	+15 47.2	2.349	3.272	7.9	22.1
4 11	11 23.46	+15 44.8	2.428	3.282	10.7	22.3
4 21	11 17.83	+15 27.5	2.529	3.291	13.0	22.5

272785 2005 YJ_{237} 3 16.3 188.°73 2.°9/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.80	+ 7 30.4	2.114	2.954	11.9	21.0
2 21	12 3.03	+ 8 26.3	2.038	2.954	8.7	20.8
3 2	11 56.40	+ 9 28.4	1.988	2.953	5.3	20.6
3 12	11 48.55	+10 30.5	1.966	2.952	2.9	20.4
3 22	11 40.30	+11 26.2	1.973	2.951	4.6	20.5
4 1	11 32.54	+12 9.7	2.008	2.949	7.9	20.7
4 11	11 26.08	+12 37.4	2.069	2.947	11.2	20.9
4 21	11 21.46	+12 47.9	2.152	2.945	14.1	21.1

178938 2001 QA_{89} 3 16.3 213.°80 0.°8/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.02	+ 0 44.0	2.368	3.186	11.5	21.4
2 21	12 3.10	+ 1 35.6	2.274	3.177	8.6	21.2
3 2	11 56.43	+ 2 38.5	2.206	3.168	5.1	20.9
3 12	11 48.57	+ 3 48.1	2.167	3.158	1.5	20.7
3 22	11 40.25	+ 4 58.6	2.158	3.147	2.7	20.7
4 1	11 32.29	+ 6 3.9	2.179	3.135	6.4	21.0
4 11	11 25.45	+ 6 58.9	2.228	3.123	9.8	21.2
4 21	11 20.27	+ 7 40.1	2.301	3.110	12.8	21.3

146339 2001 OY_{46} 3 16.3 203.°43 0.°8/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.82	− 3 27.6	2.205	3.011	12.7	21.2
2 21	12 3.79	− 2 58.4	2.113	3.007	9.6	20.9
3 2	11 56.89	− 2 15.2	2.046	3.002	6.1	20.7
3 12	11 48.72	− 1 21.6	2.007	2.996	2.2	20.5
3 22	11 40.07	− 0 22.5	1.997	2.990	2.1	20.4
4 1	11 31.83	+ 0 36.2	2.017	2.983	6.0	20.7
4 11	11 24.82	+ 1 28.7	2.065	2.975	9.7	20.9
4 21	11 19.61	+ 2 10.6	2.137	2.967	12.9	21.1

122572 2000 RT_{13} 3 16.3 186.°02 1.°8/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.11	− 8 14.7	2.225	3.016	13.1	20.5
2 21	12 1.75	− 7 28.6	2.135	3.016	10.1	20.3
3 2	11 55.62	− 6 24.0	2.069	3.015	6.7	20.1
3 12	11 48.32	− 5 4.5	2.030	3.014	3.2	19.9
3 22	11 40.61	− 3 35.6	2.021	3.013	2.3	19.8
4 1	11 33.32	− 2 4.6	2.042	3.011	5.7	20.0
4 11	11 27.21	− 0 38.6	2.092	3.009	9.2	20.2
4 21	11 22.83	+ 0 36.6	2.165	3.006	12.4	20.4

251005 2006 PP_4 3 16.3 173.°04 0.°2/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.44	− 1 27.5	2.175	2.986	12.7	21.5
2 21	12 4.93	− 0 57.0	2.092	2.990	9.5	21.3
3 2	11 57.54	− 0 14.3	2.034	2.993	5.9	21.1
3 12	11 48.91	+ 0 36.7	2.005	2.995	1.9	20.8
3 22	11 39.87	+ 1 30.7	2.005	2.997	2.3	20.9
4 1	11 31.31	+ 2 22.0	2.035	2.998	6.2	21.1
4 11	11 24.05	+ 3 5.4	2.093	2.998	9.8	21.3
4 21	11 18.66	+ 3 37.5	2.174	2.997	13.0	21.5

384960 2012 TJ_{149} 3 16.3 141.°24 0.°0/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.32	− 0 33.6	2.564	3.378	10.9	21.7
2 21	12 1.60	− 0 5.4	2.486	3.385	8.1	21.5
3 2	11 55.39	+ 0 32.4	2.433	3.392	4.9	21.3
3 12	11 48.23	+ 1 16.1	2.408	3.399	1.5	21.1
3 22	11 40.77	+ 2 1.7	2.413	3.405	2.0	21.1
4 1	11 33.72	+ 2 44.6	2.449	3.411	5.4	21.3
4 11	11 27.73	+ 3 20.7	2.512	3.417	8.4	21.6
4 21	11 23.23	+ 3 47.2	2.600	3.422	11.1	21.7

96150 4158 T_{-3} 3 16.3 196.°47 0.°5/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.35	− 1 15.6	1.736	2.562	14.7	21.0
2 21	12 4.60	− 0 19.5	1.654	2.560	11.0	20.7
3 2	11 57.57	+ 0 53.4	1.595	2.558	6.7	20.5
3 12	11 48.97	+ 2 17.4	1.564	2.555	2.0	20.1
3 22	11 39.80	+ 3 44.2	1.560	2.551	3.0	20.2
4 1	11 31.18	+ 5 5.0	1.585	2.547	7.8	20.5
4 11	11 24.13	+ 6 12.0	1.636	2.542	12.1	20.7
4 21	11 19.32	+ 7 0.9	1.709	2.537	15.7	20.9

410715 2009 BQ_{44} 3 16.3 335.°16 0.°5/15.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.17	− 0 13.3	1.281	2.133	17.3	21.5
2 21	12 2.93	+ 0 21.0	1.205	2.124	13.0	21.2
3 2	11 56.87	+ 1 14.3	1.149	2.116	8.0	20.9
3 12	11 48.82	+ 2 20.3	1.117	2.109	2.4	20.5
3 22	11 39.99	+ 3 29.9	1.110	2.102	3.6	20.6
4 1	11 31.82	+ 4 32.8	1.128	2.096	9.3	20.9
4 11	11 25.62	+ 5 20.3	1.169	2.091	14.4	21.2
4 21	11 22.20	+ 5 47.4	1.229	2.087	18.8	21.4

429987 2013 PC_{36} 3 16.3 121.°52 2.°1/13.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.39	+ 4 31.1	2.129	2.964	12.0	22.1
2 21	12 2.62	+ 5 37.7	2.064	2.978	8.8	21.9
3 2	11 56.09	+ 6 52.7	2.025	2.991	5.2	21.7
3 12	11 48.46	+ 8 9.5	2.014	3.003	2.2	21.6
3 22	11 40.54	+ 9 21.5	2.033	3.016	3.9	21.7
4 1	11 33.16	+10 22.5	2.081	3.027	7.3	21.9
4 11	11 27.09	+11 8.1	2.155	3.039	10.6	22.2
4 21	11 22.81	+11 36.5	2.252	3.050	13.4	22.4

294964 2008 DT_{87} 3 16.3 10.°87 0.°6/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.78	− 2 46.5	1.548	2.381	15.9	21.2
2 21	12 2.88	− 2 13.9	1.473	2.381	12.0	21.0
3 2	11 56.59	− 1 23.1	1.420	2.382	7.5	20.7
3 12	11 48.68	− 0 19.1	1.393	2.383	2.5	20.4
3 22	11 40.22	+ 0 50.6	1.392	2.385	2.7	20.4
4 1	11 32.39	+ 1 57.4	1.418	2.386	7.7	20.7
4 11	11 26.26	+ 2 53.3	1.468	2.388	12.2	21.0
4 21	11 22.48	+ 3 33.4	1.540	2.390	16.0	21.2

159819 2003 SX_{284} 3 16.3 308.°57 4.°3/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.68	−10 38.1	1.788	2.581	15.7	20.2
2 21	12 2.78	−10 52.9	1.689	2.564	12.7	19.9
3 2	11 56.58	−10 47.5	1.611	2.548	9.1	19.7
3 12	11 48.72	−10 22.3	1.557	2.531	5.7	19.4
3 22	11 40.11	− 9 40.0	1.530	2.515	4.4	19.3
4 1	11 31.84	− 8 46.3	1.530	2.499	7.1	19.4
4 11	11 25.00	− 7 48.9	1.555	2.484	11.0	19.6
4 21	11 20.35	− 6 55.3	1.603	2.469	14.7	19.8

272707 2005 YM_{26} 3 16.3 332.°69 5.°9/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.10	+14 22.9	1.721	2.580	13.2	20.4
2 21	12 2.95	+15 41.4	1.654	2.575	10.0	20.2
3 2	11 56.55	+17 1.5	1.612	2.571	7.0	20.0
3 12	11 48.66	+18 13.8	1.596	2.567	6.0	19.9
3 22	11 40.28	+19 9.7	1.607	2.563	7.9	20.0
4 1	11 32.51	+19 42.9	1.643	2.560	11.1	20.2
4 11	11 26.36	+19 51.1	1.702	2.557	14.4	20.4
4 21	11 22.42	+19 35.2	1.781	2.554	17.3	20.6

503932 2003 QW_{102} 3 16.3 212.°95 2.°4/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.30	+ 7 45.3	2.821	3.651	9.5	22.9
2 21	12 2.31	+ 8 42.9	2.731	3.641	7.0	22.7
3 2	11 55.85	+ 9 45.5	2.668	3.631	4.3	22.5
3 12	11 48.41	+10 48.4	2.635	3.620	2.4	22.4
3 22	11 40.59	+11 46.5	2.633	3.609	3.8	22.4
4 1	11 33.09	+12 35.2	2.661	3.596	6.5	22.6
4 11	11 26.52	+13 11.3	2.717	3.583	9.3	22.8
4 21	11 21.36	+13 33.2	2.796	3.569	11.7	22.9

498613 2008 RY_{100} 3 16.3 162.°75 2.°6/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.84	− 8 10.2	2.198	2.987	13.3	21.8
2 21	12 3.05	− 8 4.0	2.112	2.990	10.4	21.6
3 2	11 56.43	− 7 41.9	2.050	2.992	7.1	21.4
3 12	11 48.60	− 7 5.8	2.014	2.994	3.8	21.2
3 22	11 40.35	− 6 19.4	2.007	2.996	2.8	21.1
4 1	11 32.53	− 5 28.2	2.029	2.998	5.7	21.3
4 11	11 25.96	− 4 37.8	2.079	2.999	9.1	21.5
4 21	11 21.17	− 3 53.5	2.153	3.001	12.2	21.7

36705 2000 RE_{25} 3 16.3 324.°44 8.°4/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.07	−18 18.8	1.626	2.385	18.4	17.8
2 21	12 4.14	−19 17.8	1.533	2.373	15.7	17.6
3 2	11 57.58	−19 52.1	1.460	2.362	12.7	17.3
3 12	11 49.07	−19 58.1	1.408	2.351	9.8	17.1
3 22	11 39.66	−19 35.8	1.380	2.341	8.4	17.0
4 1	11 30.64	−18 48.8	1.377	2.332	9.5	17.1
4 11	11 23.28	−17 45.8	1.398	2.323	12.3	17.2
4 21	11 18.46	−16 36.5	1.440	2.314	15.6	17.4

297488 2000 UL_{33} 3 16.3 222.°66 2.°3/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.34	− 9 15.4	2.614	3.395	11.6	21.2
2 21	12 0.24	− 8 53.0	2.517	3.390	9.1	21.0
3 2	11 54.64	− 8 15.3	2.445	3.385	6.3	20.8
3 12	11 48.05	− 7 24.5	2.400	3.379	3.4	20.6
3 22	11 41.08	− 6 24.2	2.385	3.374	2.5	20.5
4 1	11 34.43	− 5 19.3	2.399	3.368	4.9	20.7
4 11	11 28.75	− 4 15.4	2.442	3.362	7.9	20.8
4 21	11 24.53	− 3 17.3	2.510	3.356	10.7	21.0

185506 2007 TJ_{315} 3 16.3 143.°75 0.°5/15.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.57	+ 0 56.1	2.481	3.301	11.0	21.0
2 21	12 1.85	+ 1 29.7	2.403	3.307	8.2	20.8
3 2	11 55.58	+ 2 12.2	2.351	3.313	4.9	20.6
3 12	11 48.32	+ 2 59.7	2.328	3.319	1.4	20.3
3 22	11 40.76	+ 3 47.7	2.335	3.325	2.3	20.4
4 1	11 33.63	+ 4 31.4	2.371	3.330	5.7	20.6
4 11	11 27.58	+ 5 6.8	2.435	3.336	8.8	20.8
4 21	11 23.08	+ 5 31.3	2.523	3.340	11.6	21.0

371145 2005 WV_{177} 3 16.3 153.°22 0.°0/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.72	− 0 44.0	2.192	3.009	12.4	22.4
2 21	12 3.63	− 0 13.9	2.114	3.015	9.3	22.2
3 2	11 56.74	+ 0 27.6	2.061	3.021	5.7	22.0
3 12	11 48.70	+ 1 16.4	2.036	3.027	1.7	21.8
3 22	11 40.28	+ 2 7.3	2.040	3.032	2.3	21.8
4 1	11 32.36	+ 2 55.0	2.074	3.036	6.1	22.1
4 11	11 25.70	+ 3 34.4	2.135	3.040	9.7	22.3
4 21	11 20.84	+ 4 2.5	2.219	3.044	12.7	22.5

180007 2002 YM_{14} 3 16.3 165.°75 0.°3/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.92	− 2 26.9	2.235	3.044	12.4	20.8
2 21	12 3.77	− 1 48.3	2.154	3.050	9.3	20.6
3 2	11 56.83	− 0 56.7	2.097	3.055	5.8	20.4
3 12	11 48.73	+ 0 3.9	2.069	3.059	1.9	20.1
3 22	11 40.24	+ 1 8.0	2.071	3.063	2.1	20.2
4 1	11 32.23	+ 2 9.6	2.102	3.066	6.0	20.4
4 11	11 25.47	+ 3 3.2	2.162	3.068	9.5	20.6
4 21	11 20.47	+ 3 45.0	2.245	3.069	12.6	20.8

56391 2000 ET_{97} 3 16.3 293.°02 0.°1/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.81	− 0 10.7	1.369	2.210	17.1	18.8
2 21	12 6.39	− 0 0.5	1.284	2.197	13.0	18.5
3 2	11 59.04	+ 0 25.6	1.219	2.184	8.1	18.2
3 12	11 49.53	+ 1 3.4	1.180	2.171	2.6	17.8
3 22	11 39.11	+ 1 46.0	1.166	2.158	3.3	17.8
4 1	11 29.25	+ 2 25.3	1.177	2.145	8.9	18.1
4 11	11 21.35	+ 2 53.8	1.212	2.133	14.1	18.4
4 21	11 16.30	+ 3 6.8	1.267	2.121	18.6	18.6

28939 2000 TO_{33} 3 16.3 105.°10 11.°1/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.63	−29 28.7	2.044	2.702	18.0	18.5
2 21	12 6.48	−30 50.0	1.957	2.704	16.2	18.4
3 2	11 58.85	−31 44.9	1.887	2.706	14.2	18.2
3 12	11 49.44	−32 8.7	1.838	2.707	12.4	18.1
3 22	11 39.23	−31 59.5	1.812	2.709	11.2	18.1
4 1	11 29.43	−31 19.3	1.810	2.711	11.2	18.0
4 11	11 21.18	−30 14.8	1.831	2.713	12.3	18.1
4 21	11 15.29	−28 55.3	1.875	2.714	14.1	18.2

188276 2003 AS_{52} 3 16.3 122.°71 2.°0/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.37	+ 5 33.4	2.166	2.995	12.1	21.0
2 21	12 5.47	+ 6 19.7	2.104	3.014	8.8	20.8
3 2	11 57.78	+ 7 12.3	2.069	3.033	5.3	20.6
3 12	11 48.99	+ 8 5.7	2.062	3.051	2.2	20.4
3 22	11 39.95	+ 8 54.0	2.086	3.069	3.7	20.6
4 1	11 31.55	+ 9 32.3	2.139	3.086	7.1	20.8
4 11	11 24.54	+ 9 57.2	2.218	3.102	10.3	21.0
4 21	11 19.41	+10 7.5	2.321	3.117	13.1	21.3

32119 2000 LM_{7} 3 16.3 297.°91 1.°6/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.90	+ 2 49.4	2.150	2.987	11.9	18.7
2 21	12 0.18	+ 3 53.3	2.067	2.981	8.7	18.4
3 2	11 54.72	+ 5 8.1	2.010	2.976	5.2	18.2
3 12	11 48.10	+ 6 27.9	1.980	2.971	1.9	18.0
3 22	11 41.06	+ 7 45.9	1.980	2.965	3.5	18.1
4 1	11 34.43	+ 8 55.3	2.008	2.960	7.1	18.3
4 11	11 28.96	+ 9 50.8	2.063	2.955	10.6	18.5
4 21	11 25.20	+10 29.4	2.139	2.950	13.6	18.7

2061 Anza 3 16.3 157.°40 0.°8/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.24	− 4 21.8	2.613	3.400	11.5	22.0
2 21	12 5.93	− 3 42.3	2.531	3.414	8.7	21.8
3 2	11 58.01	− 2 50.2	2.475	3.426	5.5	21.6
3 12	11 49.07	− 1 49.1	2.449	3.437	2.1	21.4
3 22	11 39.83	− 0 43.7	2.455	3.447	1.9	21.4
4 1	11 31.05	+ 0 20.8	2.493	3.455	5.2	21.7
4 11	11 23.43	+ 1 19.3	2.560	3.462	8.4	21.9
4 21	11 17.43	+ 2 8.1	2.653	3.468	11.1	22.1

411639 2011 UW_{261} 3 16.3 56.°50 3.°4/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.66	+ 7 51.3	1.395	2.248	16.1	21.3
2 21	12 7.36	+ 8 25.6	1.335	2.256	11.9	21.0
3 2	11 59.32	+ 9 6.6	1.298	2.265	7.2	20.8
3 12	11 49.53	+ 9 46.2	1.286	2.273	3.6	20.6
3 22	11 39.27	+10 16.7	1.300	2.282	5.5	20.7
4 1	11 29.95	+10 31.8	1.340	2.291	10.0	21.0
4 11	11 22.72	+10 28.2	1.403	2.301	14.3	21.3
4 21	11 18.21	+10 6.0	1.486	2.310	17.9	21.5

192516 1998 RK_{16} 3 16.3 261.°87 2.°7/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.55	− 6 26.5	1.548	2.359	16.9	21.0
2 21	12 6.80	− 6 27.8	1.450	2.342	13.3	20.7
3 2	11 59.25	− 6 8.9	1.373	2.324	9.0	20.4
3 12	11 49.62	− 5 31.3	1.321	2.306	4.4	20.1
3 22	11 38.99	− 4 39.6	1.296	2.287	3.4	20.0
4 1	11 28.75	− 3 41.2	1.297	2.268	8.0	20.2
4 11	11 20.23	− 2 45.0	1.324	2.248	12.9	20.4
4 21	11 14.36	− 1 58.5	1.371	2.228	17.3	20.6

56772 2000 OW_{30} 3 16.3 168.°33 1.°2/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.62	+ 2 59.3	2.924	3.747	9.4	20.1
2 21	12 0.23	+ 3 53.5	2.844	3.751	6.9	20.0
3 2	11 54.53	+ 4 55.1	2.790	3.754	4.1	19.8
3 12	11 48.01	+ 5 59.6	2.767	3.757	1.4	19.6
3 22	11 41.22	+ 7 2.6	2.774	3.760	2.6	19.7
4 1	11 34.76	+ 7 59.5	2.812	3.762	5.5	19.9
4 11	11 29.19	+ 8 46.8	2.878	3.764	8.2	20.0
4 21	11 24.92	+ 9 22.0	2.968	3.765	10.5	20.2

115498 2003 UN_{26} 3 16.3 194.°54 3.°3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.87	+ 7 57.7	1.852	2.694	13.2	19.9
2 21	12 5.59	+ 8 55.6	1.777	2.693	9.8	19.6
3 2	11 58.12	+10 0.5	1.726	2.691	6.0	19.4
3 12	11 49.17	+11 4.8	1.703	2.688	3.4	19.2
3 22	11 39.71	+12 1.3	1.708	2.685	5.2	19.3
4 1	11 30.84	+12 43.2	1.741	2.681	9.0	19.6
4 11	11 23.51	+13 6.8	1.799	2.677	12.6	19.8
4 21	11 18.35	+13 10.9	1.878	2.673	15.8	20.0

4817 Gliba 3 16.3 96.°08 0.°3/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.58	− 1 0.0	1.601	2.429	15.7	17.5
2 21	12 6.14	− 0 14.3	1.544	2.451	11.6	17.3
3 2	11 58.39	+ 0 46.7	1.511	2.473	7.0	17.1
3 12	11 49.21	+ 1 56.4	1.503	2.494	2.1	16.8
3 22	11 39.73	+ 3 6.9	1.524	2.515	3.0	16.9
4 1	11 31.11	+ 4 10.1	1.573	2.536	7.7	17.3
4 11	11 24.29	+ 4 59.7	1.647	2.556	11.8	17.5
4 21	11 19.85	+ 5 32.3	1.743	2.575	15.3	17.8

284374 2006 ST_{250} 3 16.3 130.°78 1.°5/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.41	− 6 35.0	2.445	3.242	11.9	21.0
2 21	12 0.33	− 6 2.8	2.361	3.246	9.1	20.8
3 2	11 54.71	− 5 16.0	2.301	3.250	6.0	20.6
3 12	11 48.09	− 4 17.7	2.269	3.254	2.7	20.4
3 22	11 41.13	− 3 12.4	2.266	3.258	2.0	20.4
4 1	11 34.58	− 2 5.7	2.293	3.262	5.1	20.6
4 11	11 29.07	− 1 3.1	2.348	3.265	8.3	20.8
4 21	11 25.10	− 0 9.1	2.428	3.269	11.2	21.0

416177 2002 SZ_{13} 3 16.3 200.°70 0.°6/15.7 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.48	+ 0 28.2	2.123	2.943	12.6	22.5
2 21	12 4.35	+ 1 9.8	2.035	2.939	9.4	22.3
3 2	11 57.28	+ 2 3.4	1.973	2.935	5.7	22.1
3 12	11 48.91	+ 3 4.1	1.939	2.930	1.7	21.8
3 22	11 40.06	+ 4 6.0	1.934	2.924	2.7	21.8
4 1	11 31.64	+ 5 2.9	1.959	2.918	6.7	22.1
4 11	11 24.51	+ 5 49.4	2.010	2.910	10.4	22.3
4 21	11 19.27	+ 6 22.0	2.085	2.903	13.6	22.5

313699 2003 TH_{50} 3 16.3 156.°87 2.°0/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.16	+ 4 2.0	1.984	2.816	12.9	21.7
2 21	12 4.86	+ 5 2.0	1.912	2.823	9.5	21.5
3 2	11 57.56	+ 6 11.7	1.866	2.830	5.6	21.3
3 12	11 48.98	+ 7 24.4	1.847	2.837	2.2	21.1
3 22	11 40.01	+ 8 33.1	1.859	2.843	3.9	21.2
4 1	11 31.61	+ 9 31.0	1.899	2.848	7.7	21.4
4 11	11 24.66	+10 13.5	1.965	2.852	11.3	21.6
4 21	11 19.70	+10 38.6	2.053	2.856	14.4	21.9

109321 2001 QS_{139} 3 16.3 191.°67 0.°1/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.47	+ 0 50.5	1.989	2.806	13.4	18.9
2 21	12 7.40	+ 0 48.3	1.904	2.805	10.1	18.7
3 2	11 59.18	+ 0 55.5	1.844	2.804	6.2	18.5
3 12	11 49.50	+ 1 9.0	1.812	2.803	2.0	18.2
3 22	11 39.31	+ 1 24.7	1.809	2.801	2.4	18.2
4 1	11 29.65	+ 1 38.2	1.836	2.799	6.7	18.5
4 11	11 21.47	+ 1 45.4	1.889	2.797	10.6	18.7
4 21	11 15.41	+ 1 43.8	1.966	2.794	13.9	18.9

234485 2001 TB_{30} 3 16.3 218.°16 2.°8/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.71	− 8 46.6	1.728	2.526	16.0	21.6
2 21	12 5.02	− 8 25.7	1.637	2.520	12.6	21.3
3 2	11 57.94	− 7 42.6	1.567	2.513	8.6	21.1
3 12	11 49.17	− 6 39.6	1.523	2.505	4.4	20.8
3 22	11 39.71	− 5 22.5	1.506	2.497	3.2	20.7
4 1	11 30.72	− 3 59.2	1.518	2.488	7.1	20.9
4 11	11 23.31	− 2 39.2	1.555	2.478	11.4	21.1
4 21	11 18.21	− 1 29.9	1.616	2.469	15.3	21.3

381320 2007 VQ_{226} 3 16.3 54.°00 0.°6/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.68	+ 2 3.1	2.027	2.856	12.8	20.3
2 21	12 3.68	+ 2 17.4	1.958	2.866	9.5	20.1
3 2	11 56.80	+ 2 40.5	1.913	2.877	5.7	19.9
3 12	11 48.74	+ 3 8.4	1.896	2.887	1.7	19.6
3 22	11 40.34	+ 3 36.3	1.908	2.898	2.6	19.7
4 1	11 32.53	+ 3 59.5	1.948	2.909	6.5	20.0
4 11	11 26.10	+ 4 14.3	2.014	2.921	10.1	20.2
4 21	11 21.57	+ 4 18.2	2.104	2.932	13.2	20.4

38526 1999 TB_{296} 3 16.3 301.°08 0.°1/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.29	− 0 11.8	2.285	3.107	11.7	19.0
2 21	12 1.16	+ 0 12.3	2.193	3.097	8.8	18.8
3 2	11 55.31	+ 0 47.0	2.125	3.086	5.4	18.5
3 12	11 48.31	+ 1 28.8	2.085	3.076	1.7	18.2
3 22	11 40.85	+ 2 13.2	2.074	3.065	2.2	18.3
4 1	11 33.75	+ 2 54.9	2.092	3.055	6.0	18.5
4 11	11 27.76	+ 3 29.4	2.136	3.045	9.5	18.7
4 21	11 23.42	+ 3 53.4	2.204	3.035	12.5	18.9

387723 2003 ES_6 3 16.3 20.°16 0.°4/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 2.18	− 2 35.2	2.051	2.877	12.8	20.1
2 21	11 58.94	− 1 15.2	1.973	2.880	9.5	19.9
3 2	11 53.97	+ 0 21.2	1.920	2.883	5.7	19.7
3 12	11 47.88	+ 2 7.8	1.895	2.887	1.7	19.4
3 22	11 41.43	+ 3 56.5	1.900	2.891	2.6	19.5
4 1	11 35.43	+ 5 38.9	1.934	2.895	6.6	19.7
4 11	11 30.63	+ 7 7.8	1.994	2.899	10.3	20.0
4 21	11 27.54	+ 8 18.6	2.078	2.904	13.4	20.2

46272 2001 HO_{64} 3 16.3 44.°17 4.°8/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.96	−15 25.3	2.007	2.771	15.2	19.1
2 21	12 1.13	−15 15.3	1.921	2.774	12.5	18.9
3 2	11 55.38	−14 41.9	1.857	2.777	9.3	18.7
3 12	11 48.34	−13 46.2	1.817	2.779	6.3	18.5
3 22	11 40.83	−12 32.2	1.803	2.782	4.8	18.4
4 1	11 33.81	−11 6.4	1.818	2.785	6.4	18.5
4 11	11 28.10	− 9 37.2	1.860	2.789	9.5	18.7
4 21	11 24.30	− 8 12.6	1.926	2.792	12.6	18.9

90498 2004 DC_{71} 3 16.3 115.°33 9.°2/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.19	+12 0.5	1.148	2.021	17.4	18.3
2 21	12 6.06	+15 47.8	1.107	2.035	13.0	18.1
3 2	11 58.78	+19 41.9	1.091	2.049	9.7	18.0
3 12	11 49.42	+23 18.5	1.103	2.063	9.7	18.0
3 22	11 39.49	+26 16.4	1.141	2.076	12.9	18.2
4 1	11 30.62	+28 23.3	1.202	2.088	16.8	18.5
4 11	11 24.17	+29 37.8	1.283	2.100	20.4	18.8
4 21	11 20.81	+30 6.0	1.378	2.111	23.3	19.0

260746 2005 MU_6 3 16.3 163.°61 5.°2/21.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.85	−16 10.3	2.290	3.030	14.2	21.0
2 21	12 5.30	−16 28.0	2.201	3.035	11.8	20.8
3 2	11 57.84	−16 26.0	2.134	3.041	9.0	20.7
3 12	11 49.09	−16 4.2	2.093	3.045	6.4	20.5
3 22	11 39.86	−15 24.6	2.079	3.049	5.2	20.4
4 1	11 31.07	−14 31.7	2.095	3.053	6.5	20.5
4 11	11 23.57	−13 31.8	2.138	3.055	9.1	20.7
4 21	11 17.93	−12 31.6	2.207	3.057	11.8	20.9

288667 2004 PW_{65} 3 16.3 183.°19 0.°3/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.45	− 1 40.4	1.755	2.579	14.7	21.6
2 21	12 4.65	− 0 44.0	1.675	2.580	11.0	21.4
3 2	11 57.60	+ 0 29.4	1.618	2.580	6.7	21.1
3 12	11 49.04	+ 1 53.9	1.588	2.580	2.0	20.8
3 22	11 39.93	+ 3 21.3	1.587	2.579	2.9	20.9
4 1	11 31.39	+ 4 43.0	1.615	2.577	7.6	21.1
4 11	11 24.42	+ 5 51.4	1.668	2.575	11.8	21.4
4 21	11 19.65	+ 6 41.8	1.744	2.572	15.5	21.6

272963 2006 CR_{48} 3 16.4 164.°10 1.°6/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.38	+ 2 58.5	2.043	2.878	12.5	21.4
2 21	12 2.06	+ 3 57.0	1.967	2.880	9.2	21.2
3 2	11 55.88	+ 5 6.0	1.916	2.882	5.4	21.0
3 12	11 48.48	+ 6 19.6	1.892	2.883	2.0	20.7
3 22	11 40.68	+ 7 30.7	1.898	2.884	3.5	20.8
4 1	11 33.36	+ 8 32.8	1.932	2.885	7.3	21.1
4 11	11 27.35	+ 9 20.8	1.993	2.886	10.9	21.3
4 21	11 23.17	+ 9 51.9	2.075	2.887	13.9	21.5

375983 2009 WY_{248} 3 16.4 186.°79 2.°0/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.52	− 7 46.5	2.110	2.906	13.5	21.6
2 21	12 2.17	− 7 13.9	2.022	2.905	10.5	21.4
3 2	11 55.96	− 6 23.2	1.958	2.905	7.0	21.2
3 12	11 48.51	− 5 17.6	1.920	2.904	3.4	21.0
3 22	11 40.62	− 4 2.4	1.912	2.903	2.4	20.9
4 1	11 33.17	− 2 44.3	1.932	2.902	5.9	21.1
4 11	11 26.97	− 1 30.4	1.980	2.900	9.5	21.3
4 21	11 22.58	− 0 26.6	2.052	2.898	12.8	21.5

70188 1999 RE_{11} 3 16.4 163.°02 1.°3/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.88	+ 2 31.3	2.012	2.838	13.0	20.3
2 21	12 5.39	+ 3 16.2	1.936	2.844	9.6	20.1
3 2	11 57.89	+ 4 11.3	1.886	2.850	5.7	19.9
3 12	11 49.10	+ 5 11.2	1.864	2.855	1.8	19.7
3 22	11 39.89	+ 6 9.4	1.871	2.859	3.2	19.8
4 1	11 31.25	+ 6 59.8	1.907	2.862	7.2	20.0
4 11	11 24.04	+ 7 37.5	1.970	2.865	10.9	20.2
4 21	11 18.82	+ 8 0.1	2.056	2.867	14.0	20.5

166617 2002 SN_2 3 16.4 133.°02 0.°6/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.40	+ 0 49.9	2.329	3.152	11.5	20.6
2 21	12 1.83	+ 1 29.9	2.254	3.159	8.5	20.4
3 2	11 55.63	+ 2 19.7	2.203	3.166	5.1	20.2
3 12	11 48.39	+ 3 15.0	2.181	3.172	1.5	20.0
3 22	11 40.83	+ 4 10.5	2.189	3.179	2.5	20.1
4 1	11 33.72	+ 5 1.1	2.225	3.185	6.0	20.3
4 11	11 27.77	+ 5 42.1	2.289	3.190	9.3	20.5
4 21	11 23.44	+ 6 10.9	2.377	3.196	12.1	20.7

285539 2000 GY_{120} 3 16.4 295.°98 0.°1/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.82	− 1 8.1	1.630	2.465	15.1	21.9
2 21	12 3.05	− 0 33.9	1.535	2.445	11.4	21.6
3 2	11 56.85	+ 0 17.6	1.462	2.425	7.1	21.3
3 12	11 48.88	+ 1 21.6	1.414	2.405	2.2	20.9
3 22	11 40.11	+ 2 31.0	1.394	2.386	3.0	20.9
4 1	11 31.73	+ 3 37.3	1.400	2.366	8.1	21.2
4 11	11 24.90	+ 4 32.4	1.431	2.347	12.8	21.4
4 21	11 20.40	+ 5 10.9	1.483	2.328	16.9	21.6

377775 2005 YR_{178} 3 16.4 32.°32 2.°5/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.40	+ 6 8.2	1.801	2.645	13.4	21.2
2 21	12 3.77	+ 6 50.7	1.729	2.647	9.9	20.9
3 2	11 57.00	+ 7 40.9	1.682	2.649	6.0	20.7
3 12	11 48.85	+ 8 32.4	1.662	2.650	2.7	20.5
3 22	11 40.25	+ 9 18.5	1.669	2.652	4.4	20.6
4 1	11 32.25	+ 9 52.9	1.704	2.654	8.3	20.9
4 11	11 25.78	+10 11.8	1.764	2.657	12.1	21.1
4 21	11 21.42	+10 13.6	1.845	2.659	15.3	21.3

110303 2001 SR_{270} 3 16.4 85.°94 0.°3/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.36	− 2 33.9	1.804	2.626	14.4	19.8
2 21	12 3.60	− 1 51.7	1.742	2.644	10.8	19.6
3 2	11 56.81	− 0 54.3	1.703	2.663	6.6	19.4
3 12	11 48.77	+ 0 13.0	1.690	2.681	2.2	19.1
3 22	11 40.41	+ 1 23.3	1.706	2.699	2.4	19.2
4 1	11 32.73	+ 2 29.2	1.751	2.716	6.8	19.5
4 11	11 26.59	+ 3 24.3	1.821	2.734	10.7	19.8
4 21	11 22.51	+ 4 4.8	1.915	2.751	13.9	20.0

123636 2000 YO_{52} 3 16.4 8.°43 9.°2/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.81	+23 58.4	1.753	2.608	13.2	19.1
2 21	12 3.52	+25 45.7	1.704	2.609	10.8	18.9
3 2	11 56.92	+27 24.6	1.679	2.609	9.4	18.8
3 12	11 48.83	+28 44.5	1.680	2.610	9.5	18.8
3 22	11 40.32	+29 37.0	1.705	2.611	11.3	18.9
4 1	11 32.53	+29 57.8	1.754	2.613	13.7	19.1
4 11	11 26.45	+29 47.3	1.823	2.615	16.2	19.3
4 21	11 22.66	+29 9.2	1.909	2.616	18.4	19.4

56733 2000 NK_{17} 3 16.4 132.°87 1.°5/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.93	+ 5 22.2	2.780	3.606	9.8	19.5
2 21	12 1.94	+ 5 58.1	2.709	3.618	7.1	19.4
3 2	11 55.58	+ 6 39.1	2.665	3.629	4.3	19.2
3 12	11 48.37	+ 7 21.2	2.651	3.640	1.7	19.0
3 22	11 40.92	+ 8 0.1	2.667	3.651	2.9	19.1
4 1	11 33.89	+ 8 32.3	2.712	3.661	5.7	19.3
4 11	11 27.86	+ 8 54.7	2.786	3.671	8.4	19.5
4 21	11 23.23	+ 9 6.1	2.884	3.680	10.8	19.7

431192 2006 SB_{91} 3 16.4 104.°68 4.°1/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.17	−17 52.3	2.625	3.357	12.8	21.4
2 21	12 0.07	−17 12.2	2.540	3.371	10.5	21.2
3 2	11 54.51	−16 11.1	2.478	3.385	7.9	21.1
3 12	11 48.05	−14 51.1	2.443	3.399	5.4	20.9
3 22	11 41.34	−13 16.2	2.437	3.412	4.1	20.9
4 1	11 35.04	−11 32.5	2.461	3.425	5.2	21.0
4 11	11 29.80	− 9 47.2	2.515	3.438	7.6	21.1
4 21	11 26.02	− 8 6.8	2.595	3.451	10.1	21.3

329811 2004 RT_{89} 3 16.4 229.°33 1.°4/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.11	− 5 32.4	2.410	3.205	12.1	22.5
2 21	12 3.24	− 5 7.8	2.307	3.192	9.3	22.3
3 2	11 56.60	− 4 28.8	2.229	3.178	6.1	22.0
3 12	11 48.75	− 3 38.1	2.178	3.164	2.7	21.8
3 22	11 40.39	− 2 39.8	2.157	3.149	2.1	21.7
4 1	11 32.33	− 1 39.4	2.167	3.133	5.6	21.9
4 11	11 25.34	− 0 42.4	2.204	3.117	9.0	22.1
4 21	11 20.01	+ 0 6.3	2.266	3.100	12.1	22.3

491057 2011 QA_{65} 3 16.4 195.°88 1.°2/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.03	− 3 45.1	2.681	3.478	10.9	21.3
2 21	12 2.92	− 3 42.5	2.589	3.476	8.4	21.2
3 2	11 56.27	− 3 29.7	2.523	3.474	5.4	21.0
3 12	11 48.62	− 3 8.8	2.485	3.472	2.3	20.7
3 22	11 40.60	− 2 42.6	2.477	3.469	1.9	20.7
4 1	11 32.92	− 2 15.0	2.500	3.466	5.0	20.9
4 11	11 26.24	− 1 49.6	2.551	3.463	8.0	21.1
4 21	11 21.04	− 1 29.8	2.627	3.460	10.7	21.3

435421 2008 BH_{48} 3 16.4 57.°81 4.°7/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.33	+14 23.5	2.308	3.158	10.7	20.9
2 21	12 1.12	+15 36.1	2.244	3.160	8.0	20.7
3 2	11 55.24	+16 49.2	2.205	3.162	5.6	20.6
3 12	11 48.31	+17 56.1	2.195	3.164	4.8	20.5
3 22	11 41.05	+18 50.4	2.213	3.166	6.3	20.6
4 1	11 34.26	+19 27.8	2.259	3.168	8.9	20.8
4 11	11 28.65	+19 45.9	2.329	3.171	11.5	20.9
4 21	11 24.70	+19 44.9	2.419	3.173	13.8	21.1

162778 2000 XJ_{26} 3 16.4 79.°48 6.°5/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.66	+16 7.3	1.479	2.331	15.4	19.6
2 21	12 10.10	+16 55.9	1.432	2.348	11.7	19.4
3 2	12 0.87	+17 41.2	1.408	2.364	8.1	19.3
3 12	11 50.04	+18 13.8	1.409	2.381	6.5	19.2
3 22	11 38.95	+18 26.5	1.437	2.397	8.2	19.4
4 1	11 28.98	+18 15.8	1.491	2.414	11.6	19.6
4 11	11 21.21	+17 42.0	1.567	2.430	15.0	19.8
4 21	11 16.20	+16 48.5	1.663	2.446	18.0	20.1

419585 2010 RN_{96} 3 16.4 319.°04 2.°6/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.57	− 6 30.4	1.528	2.346	16.8	21.2
2 21	12 4.40	− 6 29.5	1.446	2.341	13.1	20.9
3 2	11 57.68	− 6 8.3	1.384	2.336	8.8	20.6
3 12	11 49.16	− 5 29.1	1.347	2.331	4.3	20.4
3 22	11 39.92	− 4 37.1	1.335	2.327	3.2	20.3
4 1	11 31.26	− 3 39.9	1.351	2.323	7.5	20.5
4 11	11 24.34	− 2 46.1	1.391	2.319	12.1	20.8
4 21	11 19.91	− 2 2.4	1.452	2.315	16.1	21.0

114413 2002 YD_{26} 3 16.4 145.°35 4.°2/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.58	+13 51.2	2.572	3.415	9.9	20.5
2 21	12 1.85	+14 58.0	2.509	3.422	7.4	20.3
3 2	11 55.60	+16 5.2	2.472	3.429	5.1	20.2
3 12	11 48.41	+17 6.9	2.465	3.436	4.2	20.1
3 22	11 40.95	+17 57.8	2.487	3.442	5.6	20.2
4 1	11 33.93	+18 33.8	2.537	3.448	8.0	20.4
4 11	11 28.00	+18 52.8	2.612	3.453	10.4	20.5
4 21	11 23.61	+18 54.9	2.710	3.458	12.6	20.7

325385 2008 SG_{276} 3 16.4 336.°69 0.°3/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 1.52	− 0 2.8	2.879	3.699	9.7	20.7
2 21	11 58.03	+ 0 39.8	2.792	3.696	7.2	20.5
3 2	11 53.27	+ 1 31.5	2.731	3.692	4.3	20.3
3 12	11 47.70	+ 2 28.6	2.698	3.690	1.3	20.1
3 22	11 41.84	+ 3 27.0	2.696	3.687	1.9	20.1
4 1	11 36.28	+ 4 22.1	2.723	3.684	5.0	20.3
4 11	11 31.55	+ 5 10.0	2.779	3.681	7.8	20.5
4 21	11 28.07	+ 5 47.8	2.859	3.679	10.3	20.7

37442 2722 *P–L* 3 16.4 301.°07 0.°8/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.37	− 5 46.6	1.748	2.568	14.9	18.7
2 21	12 0.30	− 4 41.1	1.651	2.552	11.4	18.4
3 2	11 55.08	− 3 12.2	1.578	2.536	7.3	18.1
3 12	11 48.35	− 1 24.9	1.531	2.521	2.7	17.8
3 22	11 40.96	+ 0 32.4	1.512	2.505	2.5	17.8
4 1	11 33.97	+ 2 29.3	1.521	2.490	7.3	18.0
4 11	11 28.37	+ 4 15.3	1.557	2.474	11.8	18.2
4 21	11 24.85	+ 5 42.9	1.614	2.460	15.7	18.5

369339 2009 SD_{321} 3 16.4 144.°80 2.°5/18.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.95	− 7 51.8	2.388	3.168	12.6	21.7
2 21	12 5.19	− 7 51.6	2.307	3.179	9.9	21.6
3 2	11 57.69	− 7 37.2	2.250	3.190	6.7	21.4
3 12	11 49.08	− 7 10.4	2.221	3.200	3.6	21.2
3 22	11 40.10	− 6 34.5	2.221	3.210	2.7	21.2
4 1	11 31.60	− 5 54.0	2.252	3.219	5.4	21.3
4 11	11 24.32	− 5 13.8	2.311	3.227	8.5	21.5
4 21	11 18.78	− 4 38.4	2.395	3.235	11.4	21.7

305720 2009 CM_{20} 3 16.4 165.°95 0.°2/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.01	− 2 16.1	2.020	2.832	13.5	21.8
2 21	12 5.52	− 1 34.9	1.941	2.838	10.1	21.6
3 2	11 58.02	− 0 39.3	1.886	2.844	6.3	21.3
3 12	11 49.20	+ 0 25.9	1.858	2.849	2.0	21.1
3 22	11 39.94	+ 1 34.8	1.861	2.852	2.4	21.1
4 1	11 31.23	+ 2 40.3	1.892	2.855	6.6	21.4
4 11	11 23.92	+ 3 36.3	1.952	2.858	10.4	21.6
4 21	11 18.62	+ 4 18.9	2.034	2.859	13.7	21.8

15943 1998 *AZ* 3 16.4 299.°97 2.°7/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.20	− 7 20.6	2.203	2.995	13.2	18.0
2 21	12 3.43	− 7 34.1	2.109	2.988	10.3	17.8
3 2	11 56.78	− 7 33.4	2.039	2.982	7.1	17.5
3 12	11 48.85	− 7 19.9	1.996	2.976	3.9	17.3
3 22	11 40.39	− 6 56.1	1.981	2.970	3.0	17.3
4 1	11 32.31	− 6 26.4	1.995	2.963	5.8	17.4
4 11	11 25.43	− 5 55.8	2.036	2.958	9.2	17.6
4 21	11 20.36	− 5 28.9	2.101	2.952	12.3	17.8

310487 2000 SB_{362} 3 16.4 153.°75 1.°8/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.81	+ 3 52.7	1.899	2.730	13.4	21.7
2 21	12 6.18	+ 4 42.3	1.829	2.739	9.9	21.4
3 2	11 58.44	+ 5 41.5	1.782	2.747	5.9	21.2
3 12	11 49.33	+ 6 44.0	1.764	2.754	2.2	21.0
3 22	11 39.83	+ 7 42.9	1.775	2.761	3.8	21.1
4 1	11 30.95	+ 8 31.8	1.815	2.767	7.8	21.4
4 11	11 23.60	+ 9 5.9	1.881	2.772	11.5	21.6
4 21	11 18.38	+ 9 23.4	1.969	2.776	14.7	21.8

105767 2000 SE_{107} 3 16.4 222.°38 1.°8/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.39	− 7 50.2	2.630	3.418	11.4	20.1
2 21	12 0.31	− 7 21.9	2.534	3.412	8.9	19.9
3 2	11 54.75	− 6 39.0	2.462	3.406	6.0	19.7
3 12	11 48.19	− 5 44.0	2.418	3.400	3.0	19.5
3 22	11 41.27	− 4 40.8	2.404	3.394	2.1	19.4
4 1	11 34.65	− 3 34.4	2.419	3.388	4.9	19.6
4 11	11 29.00	− 2 30.3	2.463	3.381	8.0	19.8
4 21	11 24.78	− 1 33.1	2.532	3.374	10.8	19.9

148783 2001 UL_{21} 3 16.4 85.°10 3.°5/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.20	−10 24.7	1.828	2.614	15.7	20.1
2 21	12 5.01	−10 21.4	1.762	2.636	12.4	19.9
3 2	11 57.71	− 9 57.6	1.719	2.657	8.6	19.7
3 12	11 49.10	− 9 15.8	1.702	2.678	5.0	19.5
3 22	11 40.16	− 8 20.6	1.712	2.699	3.7	19.5
4 1	11 31.91	− 7 18.8	1.750	2.719	6.4	19.7
4 11	11 25.25	− 6 17.9	1.815	2.739	10.0	19.9
4 21	11 20.73	− 5 24.0	1.903	2.759	13.2	20.2

245961 2006 SD_{58} 3 16.4 208.°87 1.°9/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.99	+ 6 27.4	3.222	4.049	8.6	21.3
2 21	12 0.49	+ 7 26.9	3.132	4.041	6.3	21.1
3 2	11 54.74	+ 8 31.7	3.069	4.032	3.8	20.9
3 12	11 48.18	+ 9 37.5	3.037	4.023	1.9	20.8
3 22	11 41.31	+10 39.9	3.036	4.014	3.2	20.8
4 1	11 34.70	+11 34.8	3.066	4.003	5.7	21.0
4 11	11 28.87	+12 19.0	3.124	3.992	8.1	21.1
4 21	11 24.24	+12 50.8	3.206	3.981	10.3	21.3

217900 2001 SE_{65} 3 16.4 189.°68 1.°3/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.70	− 6 45.4	2.592	3.379	11.6	22.7
2 21	12 2.75	− 6 3.0	2.497	3.377	8.9	22.5
3 2	11 56.22	− 5 5.8	2.428	3.375	5.8	22.3
3 12	11 48.65	− 3 56.8	2.387	3.372	2.6	22.1
3 22	11 40.70	− 2 40.8	2.377	3.369	1.9	22.1
4 1	11 33.10	− 1 23.4	2.398	3.364	5.1	22.3
4 11	11 26.52	− 0 10.4	2.448	3.359	8.3	22.5
4 21	11 21.48	+ 0 53.4	2.523	3.353	11.2	22.6

100693 1997 YP_{9} 3 16.4 114.°48 6.°0/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.24	−18 8.6	2.106	2.842	15.5	19.5
2 21	12 4.97	−18 28.3	2.029	2.857	12.9	19.4
3 2	11 57.70	−18 25.6	1.972	2.872	10.0	19.2
3 12	11 49.12	−18 0.0	1.940	2.886	7.4	19.1
3 22	11 40.13	−17 14.1	1.935	2.900	6.0	19.0
4 1	11 31.69	−16 12.8	1.959	2.914	7.0	19.1
4 11	11 24.66	−15 3.6	2.008	2.927	9.5	19.3
4 21	11 19.62	−13 53.9	2.083	2.940	12.2	19.5

74111 1998 QD_{39} 3 16.4 238.°06 0.°1/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.21	− 0 58.6	2.024	2.841	13.3	21.2
2 21	12 5.13	− 0 30.2	1.926	2.827	10.0	20.9
3 2	11 57.93	+ 0 11.5	1.853	2.812	6.2	20.7
3 12	11 49.25	+ 1 2.5	1.806	2.797	2.0	20.4
3 22	11 39.92	+ 1 57.5	1.789	2.781	2.5	20.4
4 1	11 30.96	+ 2 50.1	1.801	2.765	6.8	20.6
4 11	11 23.31	+ 3 34.3	1.840	2.747	10.9	20.8
4 21	11 17.67	+ 4 6.0	1.902	2.730	14.4	21.0

422424 2014 SU_{286} 3 16.4 275.°25 1.°2/17.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.72	− 1 50.5	1.550	2.376	16.2	20.7
2 21	12 7.57	− 1 58.2	1.462	2.365	12.4	20.4
3 2	11 59.70	− 1 51.3	1.395	2.354	7.9	20.1
3 12	11 49.84	− 1 32.8	1.353	2.342	3.0	19.8
3 22	11 39.15	− 1 7.3	1.339	2.331	2.8	19.8
4 1	11 28.97	− 0 40.9	1.351	2.320	7.9	20.0
4 11	11 20.57	− 0 20.0	1.388	2.309	12.7	20.3
4 21	11 14.81	− 0 9.4	1.447	2.297	16.9	20.5

205003 1996 XS_{10} 3 16.4 289.°89 2.°1/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.74	+ 6 50.1	2.204	3.040	11.6	20.1
2 21	12 3.73	+ 7 15.0	2.124	3.037	8.6	19.9
3 2	11 56.90	+ 7 45.1	2.069	3.033	5.2	19.7
3 12	11 48.88	+ 8 15.6	2.041	3.030	2.3	19.5
3 22	11 40.45	+ 8 41.8	2.043	3.027	3.7	19.6
4 1	11 32.48	+ 8 59.3	2.073	3.023	7.1	19.8
4 11	11 25.77	+ 9 5.1	2.130	3.020	10.4	20.0
4 21	11 20.85	+ 8 57.9	2.210	3.017	13.3	20.2

88546 2001 QJ_{192} 3 16.4 83.°37 6.°3/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.90	−17 30.7	1.805	2.558	17.1	19.0
2 21	12 4.25	−17 46.2	1.731	2.572	14.2	18.8
3 2	11 57.37	−17 36.1	1.678	2.586	10.9	18.7
3 12	11 49.04	−17 0.3	1.648	2.600	7.8	18.5
3 22	11 40.25	−16 2.0	1.644	2.614	6.3	18.5
4 1	11 32.10	−14 47.7	1.667	2.628	7.5	18.5
4 11	11 25.54	−13 26.5	1.716	2.642	10.3	18.7
4 21	11 21.19	−12 7.0	1.789	2.656	13.4	19.0

458910 2011 UJ_{240} 3 16.4 234.°07 3.°6/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.02	+ 8 46.3	1.722	2.564	14.1	21.7
2 21	12 8.27	+ 9 29.5	1.637	2.552	10.5	21.5
3 2	11 59.98	+10 18.9	1.576	2.541	6.6	21.2
3 12	11 49.90	+11 7.4	1.543	2.528	3.7	21.0
3 22	11 39.11	+11 47.4	1.537	2.515	5.5	21.1
4 1	11 28.88	+12 12.4	1.559	2.502	9.6	21.3
4 11	11 20.34	+12 18.7	1.605	2.487	13.7	21.5
4 21	11 14.26	+12 5.6	1.673	2.473	17.2	21.7

142500 2002 TM_{32} 3 16.4 69.°03 1.°5/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.38	+ 3 10.8	1.273	2.122	17.6	19.4
2 21	12 8.19	+ 3 34.0	1.211	2.130	13.1	19.1
3 2	12 0.02	+ 4 9.9	1.171	2.138	7.9	18.9
3 12	11 49.90	+ 4 51.6	1.155	2.146	2.5	18.5
3 22	11 39.21	+ 5 30.8	1.165	2.155	4.2	18.7
4 1	11 29.49	+ 5 59.8	1.201	2.163	9.5	19.0
4 11	11 22.02	+ 6 13.2	1.259	2.172	14.4	19.3
4 21	11 17.49	+ 6 8.9	1.337	2.181	18.4	19.6

8609 Shuvalov 3 16.4 95.°76 3.°8/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.04	+ 8 0.3	1.734	2.578	13.9	17.8
2 21	12 6.30	+ 9 26.2	1.690	2.607	10.1	17.7
3 2	11 58.43	+10 57.5	1.670	2.635	6.2	17.5
3 12	11 49.31	+12 25.1	1.679	2.662	3.9	17.4
3 22	11 40.00	+13 40.3	1.716	2.689	5.7	17.6
4 1	11 31.56	+14 36.8	1.781	2.715	9.3	17.8
4 11	11 24.85	+15 11.3	1.871	2.741	12.6	18.1
4 21	11 20.36	+15 24.1	1.981	2.765	15.4	18.3

505402 2013 QS_{65} 3 16.4 214.°28 3.°8/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.60	−11 41.5	2.485	3.242	12.8	22.6
2 21	12 5.84	−11 56.6	2.380	3.234	10.3	22.4
3 2	11 58.23	−11 56.3	2.300	3.224	7.5	22.2
3 12	11 49.32	−11 40.8	2.246	3.214	4.8	22.0
3 22	11 39.86	−11 12.1	2.222	3.202	3.8	21.9
4 1	11 30.68	−10 33.8	2.228	3.191	5.8	22.0
4 11	11 22.62	− 9 51.3	2.262	3.178	8.7	22.2
4 21	11 16.28	− 9 9.6	2.322	3.165	11.6	22.3

151820 2003 FW_{96} 3 16.4 133.°00 0.°2/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.43	+ 1 34.3	2.015	2.834	13.2	19.9
2 21	12 7.28	+ 1 37.5	1.940	2.842	9.9	19.6
3 2	11 59.08	+ 1 49.7	1.889	2.850	6.0	19.4
3 12	11 49.56	+ 2 7.1	1.867	2.858	1.8	19.2
3 22	11 39.63	+ 2 25.6	1.874	2.865	2.5	19.2
4 1	11 30.31	+ 2 40.8	1.910	2.872	6.6	19.5
4 11	11 22.47	+ 2 48.8	1.973	2.878	10.3	19.7
4 21	11 16.71	+ 2 47.4	2.060	2.885	13.5	20.0

343092 2009 DX_{31} 3 16.4 81.°26 1.°0/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.28	+ 1 0.2	2.262	3.091	11.6	20.9
2 21	12 0.32	+ 2 2.8	2.192	3.101	8.5	20.7
3 2	11 54.77	+ 3 16.2	2.148	3.112	5.1	20.5
3 12	11 48.21	+ 4 34.8	2.131	3.123	1.6	20.3
3 22	11 41.35	+ 5 52.3	2.145	3.133	2.8	20.4
4 1	11 34.96	+ 7 2.5	2.187	3.144	6.4	20.7
4 11	11 29.71	+ 8 0.3	2.257	3.154	9.6	20.9
4 21	11 26.07	+ 8 43.0	2.350	3.164	12.4	21.1

363074 2000 NF_{23} 3 16.4 252.°40 9.°3/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.43	+20 2.9	1.652	2.512	13.7	20.4
2 21	12 4.39	+22 51.1	1.585	2.497	11.0	20.2
3 2	11 57.76	+25 40.1	1.544	2.482	9.4	20.0
3 12	11 49.25	+28 14.6	1.531	2.466	9.9	20.0
3 22	11 39.93	+30 20.9	1.544	2.449	12.3	20.1
4 1	11 31.10	+31 50.0	1.581	2.432	15.3	20.3
4 11	11 23.97	+32 39.4	1.638	2.415	18.3	20.4
4 21	11 19.36	+32 51.7	1.710	2.397	20.9	20.6

164408 2005 YA_{215} 3 16.4 278.°25 9.°0/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 27.80	+20 10.7	1.144	1.994	19.1	19.2
2 21	12 19.83	+20 30.3	1.072	1.983	15.2	18.9
3 2	12 7.60	+20 39.6	1.021	1.973	11.2	18.6
3 12	11 52.35	+20 25.9	0.993	1.963	9.0	18.5
3 22	11 36.06	+19 40.1	0.991	1.952	10.8	18.5
4 1	11 21.08	+18 20.0	1.013	1.942	15.1	18.7
4 11	11 9.29	+16 30.8	1.056	1.931	19.7	18.9
4 21	11 1.64	+14 21.1	1.118	1.921	23.8	19.2

413871 2006 UU_{208} 3 16.4 115.°68 1.°4/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.97	+ 2 55.5	1.954	2.783	13.2	22.3
2 21	12 5.42	+ 3 39.3	1.891	2.800	9.7	22.2
3 2	11 57.91	+ 4 32.5	1.853	2.817	5.8	21.9
3 12	11 49.18	+ 5 29.3	1.843	2.834	1.9	21.7
3 22	11 40.15	+ 6 23.5	1.862	2.850	3.3	21.8
4 1	11 31.79	+ 7 9.0	1.910	2.865	7.2	22.1
4 11	11 24.93	+ 7 41.6	1.985	2.880	10.8	22.4
4 21	11 20.08	+ 7 59.2	2.082	2.895	13.8	22.6

286010 2001 SC_{118} 3 16.4 168.°46 2.°0/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.82	− 8 47.9	2.601	3.383	11.6	21.2
2 21	12 0.61	− 8 14.9	2.511	3.386	9.1	21.1
3 2	11 54.92	− 7 26.6	2.446	3.388	6.1	20.9
3 12	11 48.26	− 6 25.6	2.409	3.390	3.2	20.7
3 22	11 41.27	− 5 16.0	2.402	3.392	2.2	20.6
4 1	11 34.65	− 4 3.2	2.425	3.394	4.9	20.8
4 11	11 29.02	− 2 53.0	2.476	3.395	7.9	21.0
4 21	11 24.84	− 1 50.0	2.553	3.395	10.7	21.2

361679 2007 UC_{38} 3 16.4 233.°56 1.°4/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.52	− 4 40.3	1.859	2.668	14.6	21.6
2 21	12 5.54	− 4 20.0	1.763	2.656	11.3	21.3
3 2	11 58.28	− 3 42.7	1.690	2.644	7.3	21.1
3 12	11 49.39	− 2 51.2	1.643	2.631	3.0	20.8
3 22	11 39.80	− 1 51.0	1.625	2.618	2.5	20.7
4 1	11 30.61	− 0 49.0	1.636	2.603	6.9	21.0
4 11	11 22.87	+ 0 7.5	1.672	2.589	11.2	21.2
4 21	11 17.31	+ 0 52.8	1.732	2.574	14.9	21.4

92643 2000 QE_{24} 3 16.4 40.°02 2.°1/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.42	− 3 21.4	1.214	2.051	19.1	18.6
2 21	12 7.54	− 3 40.1	1.156	2.063	14.6	18.4
3 2	11 59.65	− 3 40.0	1.117	2.076	9.4	18.2
3 12	11 49.80	− 3 24.1	1.102	2.090	4.0	17.9
3 22	11 39.40	− 2 58.0	1.112	2.105	3.3	17.9
4 1	11 30.01	− 2 29.3	1.147	2.120	8.4	18.2
4 11	11 22.93	− 2 5.6	1.205	2.136	13.3	18.5
4 21	11 18.84	− 1 52.2	1.284	2.152	17.5	18.8

435355 2007 VO_{218} 3 16.4 50.°66 3.°1/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.72	− 9 35.8	1.961	2.752	14.6	20.9
2 21	12 2.31	− 9 29.6	1.897	2.774	11.4	20.7
3 2	11 56.04	− 9 5.0	1.855	2.796	7.9	20.5
3 12	11 48.62	− 8 24.5	1.840	2.817	4.4	20.4
3 22	11 40.90	− 7 32.6	1.852	2.840	3.2	20.3
4 1	11 33.79	− 6 35.3	1.892	2.862	5.9	20.5
4 11	11 28.08	− 5 39.5	1.959	2.885	9.3	20.8
4 21	11 24.27	− 4 50.4	2.049	2.907	12.3	21.0

102082 1999 RK_{149} 3 16.4 212.°23 0.°6/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.02	+ 1 36.0	2.888	3.706	9.7	20.7
2 21	12 0.63	+ 2 14.0	2.796	3.700	7.2	20.5
3 2	11 54.89	+ 3 0.0	2.732	3.694	4.3	20.3
3 12	11 48.26	+ 3 50.3	2.696	3.687	1.3	20.1
3 22	11 41.31	+ 4 40.9	2.691	3.681	2.2	20.1
4 1	11 34.65	+ 5 27.5	2.717	3.673	5.2	20.3
4 11	11 28.86	+ 6 6.5	2.770	3.666	8.1	20.5
4 21	11 24.39	+ 6 35.2	2.848	3.658	10.6	20.7

136074 2002 YJ_{16} 3 16.4 7.°87 12.°1/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.73	+38 6.4	2.030	2.842	13.4	19.0
2 21	12 6.40	+39 45.3	1.998	2.843	12.4	18.9
3 2	11 58.66	+41 4.4	1.988	2.844	12.1	18.9
3 12	11 49.44	+41 54.8	2.002	2.844	12.7	18.9
3 22	11 39.88	+42 11.2	2.036	2.846	13.9	19.0
4 1	11 31.20	+41 52.7	2.091	2.847	15.4	19.1
4 11	11 24.40	+41 2.1	2.164	2.849	16.9	19.2
4 21	11 20.03	+39 45.1	2.250	2.851	18.3	19.4

309251 2007 RW_{39} 3 16.4 278.°35 4.°6/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.45	+10 24.7	1.477	2.331	15.3	20.6
2 21	12 7.41	+11 12.0	1.401	2.322	11.4	20.4
3 2	11 59.59	+12 4.7	1.347	2.312	7.3	20.1
3 12	11 49.82	+12 53.9	1.319	2.303	4.7	19.9
3 22	11 39.32	+13 31.1	1.318	2.293	6.7	20.0
4 1	11 29.50	+13 49.1	1.342	2.284	10.9	20.2
4 11	11 21.62	+13 44.7	1.389	2.274	15.2	20.4
4 21	11 16.46	+13 18.1	1.455	2.265	18.9	20.7

264533 2001 RO_{138} 3 16.4 188.°62 0.°6/15.7 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.06	+ 0 48.0	2.263	3.082	12.0	22.3
2 21	12 3.95	+ 1 29.6	2.178	3.081	8.9	22.1
3 2	11 57.05	+ 2 21.9	2.118	3.080	5.4	21.9
3 12	11 48.96	+ 3 20.4	2.087	3.078	1.6	21.6
3 22	11 40.44	+ 4 19.6	2.085	3.075	2.6	21.7
4 1	11 32.35	+ 5 13.7	2.114	3.072	6.4	22.0
4 11	11 25.48	+ 5 57.9	2.170	3.068	9.9	22.2
4 21	11 20.35	+ 6 29.1	2.249	3.064	12.9	22.3

491704 2012 UF_{113} 3 16.4 129.°45 0.°1/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.09	+ 0 3.0	2.659	3.472	10.6	22.5
2 21	12 2.16	+ 0 30.6	2.585	3.484	7.8	22.3
3 2	11 55.80	+ 1 6.9	2.536	3.496	4.8	22.1
3 12	11 48.54	+ 1 48.3	2.516	3.507	1.4	21.9
3 22	11 41.01	+ 2 30.9	2.527	3.518	2.0	22.0
4 1	11 33.91	+ 3 10.4	2.568	3.529	5.2	22.2
4 11	11 27.84	+ 3 43.0	2.636	3.539	8.2	22.4
4 21	11 23.22	+ 4 6.4	2.730	3.549	10.7	22.6

341643 2007 VM_{38} 3 16.4 127.°33 3.°5/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.73	−11 38.9	2.466	3.231	12.7	21.6
2 21	12 2.84	−11 44.0	2.382	3.240	10.1	21.4
3 2	11 56.31	−11 33.2	2.321	3.248	7.3	21.2
3 12	11 48.72	−11 7.6	2.287	3.256	4.6	21.1
3 22	11 40.76	−10 29.9	2.282	3.264	3.5	21.0
4 1	11 33.23	− 9 44.4	2.306	3.272	5.4	21.1
4 11	11 26.81	− 8 56.4	2.358	3.279	8.2	21.3
4 21	11 22.01	− 8 10.9	2.436	3.286	10.9	21.5

435034 2006 VQ_{141} 3 16.4 278.°43 4.°9/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.88	−16 38.5	2.418	3.163	13.5	20.6
2 21	12 0.90	−16 42.6	2.320	3.157	11.2	20.4
3 2	11 55.23	−16 27.1	2.244	3.152	8.6	20.2
3 12	11 48.41	−15 52.2	2.193	3.146	6.1	20.1
3 22	11 41.14	−15 0.2	2.169	3.141	4.9	20.0
4 1	11 34.19	−13 55.5	2.174	3.135	6.0	20.0
4 11	11 28.33	−12 44.6	2.206	3.130	8.5	20.2
4 21	11 24.08	−11 33.8	2.263	3.124	11.2	20.3

87867 2000 SJ_{245} 3 16.4 200.°48 2.°0/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.50	+ 6 55.6	2.705	3.536	9.9	20.3
2 21	12 1.80	+ 7 36.5	2.622	3.534	7.2	20.2
3 2	11 55.62	+ 8 22.4	2.566	3.530	4.4	20.0
3 12	11 48.50	+ 9 8.7	2.540	3.527	2.1	19.8
3 22	11 41.06	+ 9 50.9	2.543	3.523	3.4	19.9
4 1	11 33.97	+10 24.9	2.576	3.519	6.3	20.1
4 11	11 27.86	+10 47.8	2.636	3.515	9.1	20.2
4 21	11 23.19	+10 58.1	2.719	3.510	11.5	20.4

500290 2012 PA_{37} 3 16.4 240.°89 3.°3/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.02	+ 8 7.8	2.283	3.124	11.1	21.8
2 21	12 1.78	+ 9 28.4	2.196	3.112	8.1	21.5
3 2	11 55.78	+10 56.4	2.136	3.100	5.1	21.3
3 12	11 48.59	+12 24.8	2.104	3.087	3.3	21.2
3 22	11 40.92	+13 46.5	2.103	3.074	5.0	21.3
4 1	11 33.61	+14 54.9	2.130	3.060	8.2	21.4
4 11	11 27.42	+15 45.6	2.182	3.046	11.3	21.6
4 21	11 22.91	+16 16.8	2.257	3.032	14.1	21.8

83885 2001 UM_{124} 3 16.4 21.°71 4.°7/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.10	+11 38.8	1.959	2.816	12.0	18.7
2 21	12 0.49	+13 8.1	1.897	2.819	8.9	18.5
3 2	11 55.01	+14 41.1	1.861	2.823	5.9	18.4
3 12	11 48.34	+16 9.3	1.852	2.827	4.8	18.3
3 22	11 41.30	+17 24.6	1.871	2.832	6.6	18.4
4 1	11 34.79	+18 20.8	1.917	2.837	9.6	18.6
4 11	11 29.61	+18 54.7	1.987	2.842	12.6	18.8
4 21	11 26.29	+19 6.1	2.077	2.848	15.2	19.0

228412 2001 KD_{79} 3 16.4 227.°85 1.°7/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.13	− 7 17.2	2.029	2.828	13.9	20.2
2 21	12 2.82	− 6 36.8	1.933	2.819	10.8	20.0
3 2	11 56.52	− 5 37.1	1.860	2.810	7.1	19.7
3 12	11 48.84	− 4 21.3	1.815	2.800	3.2	19.5
3 22	11 40.61	− 2 55.3	1.798	2.790	2.4	19.4
4 1	11 32.76	− 1 26.6	1.811	2.780	6.2	19.6
4 11	11 26.20	− 0 3.3	1.850	2.768	10.2	19.8
4 21	11 21.54	+ 1 8.3	1.914	2.757	13.7	20.0

184659 2005 SJ_{41} 3 16.4 246.°68 1.°0/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.04	− 3 33.7	2.638	3.440	10.9	21.4
2 21	12 1.56	− 3 18.7	2.540	3.430	8.4	21.2
3 2	11 55.54	− 2 52.5	2.467	3.420	5.4	21.0
3 12	11 48.50	− 2 17.9	2.422	3.410	2.2	20.7
3 22	11 41.05	− 1 38.1	2.408	3.400	1.8	20.7
4 1	11 33.90	− 0 57.4	2.423	3.389	5.1	20.9
4 11	11 27.71	− 0 20.3	2.466	3.379	8.2	21.1
4 21	11 22.98	+ 0 9.9	2.533	3.368	11.0	21.2

299784 2006 SD_{75} 3 16.4 232.°14 0.°8/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.03	+ 1 54.5	2.726	3.545	10.1	22.5
2 21	12 1.50	+ 2 32.5	2.629	3.534	7.5	22.3
3 2	11 55.50	+ 3 18.9	2.559	3.522	4.5	22.1
3 12	11 48.49	+ 4 10.0	2.518	3.509	1.4	21.8
3 22	11 41.10	+ 5 1.4	2.508	3.497	2.4	21.9
4 1	11 34.00	+ 5 48.4	2.527	3.484	5.6	22.1
4 11	11 27.82	+ 6 27.2	2.575	3.470	8.6	22.2
4 21	11 23.06	+ 6 55.0	2.646	3.456	11.3	22.4

141128 2001 XR_{88} 3 16.4 94.°06 1.°3/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.81	− 5 30.9	2.458	3.257	11.8	20.5
2 21	12 1.35	− 5 6.4	2.385	3.271	9.0	20.4
3 2	11 55.36	− 4 28.8	2.335	3.286	5.8	20.2
3 12	11 48.43	− 3 41.2	2.314	3.300	2.6	20.0
3 22	11 41.23	− 2 48.0	2.322	3.314	1.9	20.0
4 1	11 34.47	− 1 53.9	2.360	3.328	5.1	20.2
4 11	11 28.81	− 1 4.1	2.426	3.342	8.2	20.4
4 21	11 24.68	− 0 22.3	2.517	3.356	10.9	20.6

180759 2004 OQ_5 3 16.4 264.°99 0.°5/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.36	+ 1 3.2	2.613	3.433	10.5	20.7
2 21	12 1.10	+ 1 37.5	2.512	3.417	7.8	20.5
3 2	11 55.30	+ 2 21.1	2.437	3.399	4.7	20.3
3 12	11 48.45	+ 3 10.3	2.391	3.382	1.4	20.0
3 22	11 41.16	+ 4 0.9	2.375	3.365	2.3	20.1
4 1	11 34.14	+ 4 47.9	2.388	3.347	5.7	20.3
4 11	11 28.07	+ 5 27.2	2.429	3.329	8.9	20.4
4 21	11 23.44	+ 5 55.7	2.494	3.311	11.7	20.6

480058 2015 CN_{57} 3 16.4 117.°96 3.°1/13.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.45	− 3 58.6	1.046	1.898	20.3	20.5
2 21	12 4.29	− 0 47.5	0.984	1.907	14.9	20.2
3 2	11 57.91	+ 3 3.2	0.945	1.915	8.7	19.9
3 12	11 49.34	+ 7 13.5	0.933	1.924	3.3	19.6
3 22	11 40.07	+11 16.0	0.948	1.931	6.9	19.8
4 1	11 31.80	+14 45.3	0.991	1.939	13.1	20.2
4 11	11 25.92	+17 26.0	1.055	1.946	18.5	20.5
4 21	11 23.19	+19 15.0	1.138	1.952	22.8	20.8

523678 2013 XB_{26} 3 16.4 322.°45 0.°1/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 47.50	− 2 15.2	44.500	45.295	0.7	22.0
2 21	11 46.91	− 2 11.9	44.408	45.295	0.6	21.9
3 2	11 46.26	− 2 8.0	44.343	45.294	0.4	21.9
3 12	11 45.57	− 2 3.8	44.307	45.294	0.1	21.9
3 22	11 44.87	− 1 59.3	44.302	45.294	0.1	21.9
4 1	11 44.19	− 1 54.8	44.327	45.294	0.3	21.9
4 11	11 43.54	− 1 50.4	44.380	45.294	0.5	21.9
4 21	11 42.96	− 1 46.3	44.461	45.294	0.7	21.9

202931 1998 TB_{1} 3 16.4 183.°88 0.°1/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.05	− 1 14.2	2.415	3.228	11.5	21.8
2 21	12 2.37	− 0 41.4	2.329	3.228	8.6	21.6
3 2	11 56.05	+ 0 2.5	2.269	3.228	5.3	21.4
3 12	11 48.67	+ 0 53.7	2.237	3.228	1.7	21.1
3 22	11 40.91	+ 1 47.5	2.235	3.227	2.0	21.1
4 1	11 33.54	+ 2 38.9	2.263	3.226	5.7	21.4
4 11	11 27.28	+ 3 23.0	2.318	3.224	9.0	21.6
4 21	11 22.60	+ 3 56.5	2.397	3.222	11.9	21.8

112853 2002 QM_{25} 3 16.4 121.°89 0.°1/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.75	− 1 19.0	2.268	3.084	12.0	20.5
2 21	12 2.18	− 0 44.3	2.192	3.093	9.0	20.4
3 2	11 55.94	+ 0 2.0	2.141	3.101	5.5	20.2
3 12	11 48.63	+ 0 55.7	2.118	3.109	1.7	19.9
3 22	11 40.99	+ 1 51.8	2.125	3.116	2.1	20.0
4 1	11 33.81	+ 2 44.7	2.160	3.124	5.8	20.2
4 11	11 27.82	+ 3 29.6	2.223	3.131	9.2	20.4
4 21	11 23.50	+ 4 3.2	2.310	3.138	12.1	20.6

81936 2000 OU_{29} 3 16.4 177.°22 4.°3/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.00	−14 56.3	2.614	3.359	12.5	19.4
2 21	12 2.31	−15 7.3	2.520	3.360	10.3	19.2
3 2	11 56.02	−15 1.5	2.450	3.361	7.8	19.0
3 12	11 48.67	−14 39.2	2.405	3.362	5.4	18.9
3 22	11 40.91	−14 2.5	2.389	3.362	4.3	18.8
4 1	11 33.48	−13 15.3	2.401	3.362	5.6	18.9
4 11	11 27.10	−12 22.7	2.442	3.362	8.0	19.0
4 21	11 22.25	−11 30.0	2.508	3.361	10.5	19.2

336225 2008 SA_{78} 3 16.4 255.°62 0.°3/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.88	− 0 59.6	2.029	2.848	13.1	21.4
2 21	12 4.09	− 0 43.8	1.938	2.840	9.9	21.1
3 2	11 57.28	− 0 15.9	1.872	2.831	6.2	20.9
3 12	11 49.09	+ 0 20.5	1.832	2.823	2.0	20.6
3 22	11 40.35	+ 1 0.8	1.821	2.814	2.3	20.6
4 1	11 32.03	+ 1 39.3	1.839	2.805	6.5	20.9
4 11	11 25.02	+ 2 11.0	1.884	2.796	10.4	21.1
4 21	11 19.95	+ 2 32.0	1.951	2.786	13.8	21.3

390421 2013 YQ_{32} 3 16.4 331.°92 5.°9/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.70	−17 22.4	2.287	3.026	14.3	20.4
2 21	12 3.11	−17 54.7	2.195	3.024	12.0	20.2
3 2	11 56.64	−18 7.5	2.123	3.023	9.4	20.1
3 12	11 48.89	−18 0.2	2.077	3.022	7.0	19.9
3 22	11 40.61	−17 33.9	2.057	3.020	5.9	19.8
4 1	11 32.70	−16 52.3	2.065	3.019	6.8	19.9
4 11	11 25.99	−16 1.3	2.100	3.018	9.1	20.0
4 21	11 21.06	−15 7.3	2.159	3.017	11.8	20.2

18082 2000 GB_{136} 3 16.4 204.°09 4.°2/12.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.81	+10 13.7	1.869	2.710	13.1	18.7
2 21	12 7.15	+11 18.1	1.791	2.706	9.8	18.5
3 2	11 59.20	+12 27.8	1.738	2.700	6.3	18.2
3 12	11 49.69	+13 34.8	1.713	2.694	4.2	18.1
3 22	11 39.63	+14 31.2	1.716	2.687	6.0	18.2
4 1	11 30.13	+15 10.5	1.748	2.679	9.6	18.4
4 11	11 22.20	+15 29.4	1.804	2.670	13.2	18.6
4 21	11 16.50	+15 27.3	1.881	2.661	16.3	18.8

193896 2001 QX_{229} 3 16.4 77.°64 3.°9/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.86	− 9 11.1	1.386	2.194	18.7	19.9
2 21	12 6.92	− 9 18.5	1.321	2.208	14.7	19.6
3 2	11 59.22	− 9 1.8	1.277	2.222	10.2	19.4
3 12	11 49.71	− 8 23.0	1.256	2.236	5.6	19.2
3 22	11 39.67	− 7 27.8	1.261	2.250	4.2	19.1
4 1	11 30.48	− 6 24.7	1.292	2.264	7.8	19.4
4 11	11 23.36	− 5 23.4	1.347	2.278	12.2	19.7
4 21	11 18.97	− 4 31.5	1.424	2.291	16.2	19.9

499306 2009 WZ_{36} 3 16.4 135.°48 1.°8/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.68	− 6 20.0	2.175	2.971	13.2	22.2
2 21	12 3.70	− 6 3.7	2.096	2.980	10.2	22.0
3 2	11 56.91	− 5 32.3	2.040	2.989	6.7	21.8
3 12	11 48.95	− 4 48.6	2.013	2.997	3.1	21.6
3 22	11 40.61	− 3 57.0	2.014	3.005	2.3	21.6
4 1	11 32.76	− 3 3.0	2.044	3.013	5.7	21.8
4 11	11 26.19	− 2 12.6	2.102	3.020	9.2	22.0
4 21	11 21.43	− 1 30.1	2.184	3.027	12.2	22.2

249147 2008 AW_{58} 3 16.4 141.°34 0.°6/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.44	+ 0 4.8	2.035	2.854	13.1	21.3
2 21	12 5.06	+ 0 50.4	1.963	2.867	9.7	21.1
3 2	11 57.74	+ 1 48.0	1.917	2.878	5.9	20.9
3 12	11 49.21	+ 2 52.4	1.898	2.889	1.7	20.6
3 22	11 40.31	+ 3 57.3	1.909	2.900	2.7	20.7
4 1	11 32.00	+ 4 56.2	1.950	2.909	6.7	21.0
4 11	11 25.09	+ 5 43.8	2.017	2.918	10.4	21.2
4 21	11 20.13	+ 6 17.0	2.108	2.926	13.5	21.4

354860 2005 YX_{234} 3 16.4 177.°67 2.°5/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.27	− 9 17.8	2.891	3.664	10.8	21.4
2 21	12 0.85	− 9 15.6	2.798	3.665	8.5	21.2
3 2	11 55.06	− 9 0.6	2.730	3.665	6.0	21.1
3 12	11 48.37	− 8 34.4	2.690	3.666	3.5	20.9
3 22	11 41.35	− 7 59.5	2.679	3.666	2.6	20.8
4 1	11 34.64	− 7 19.5	2.698	3.666	4.6	21.0
4 11	11 28.83	− 6 38.6	2.746	3.666	7.2	21.1
4 21	11 24.34	− 6 0.7	2.819	3.665	9.7	21.3

152777 1999 RA_{160} 3 16.4 206.°43 1.°6/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.50	+ 4 18.2	2.390	3.217	11.1	20.7
2 21	12 3.49	+ 5 0.4	2.303	3.212	8.2	20.5
3 2	11 56.78	+ 5 50.3	2.242	3.206	4.9	20.3
3 12	11 48.92	+ 6 43.2	2.210	3.200	1.9	20.1
3 22	11 40.65	+ 7 33.7	2.208	3.193	3.2	20.2
4 1	11 32.77	+ 8 16.9	2.236	3.186	6.6	20.4
4 11	11 26.01	+ 8 48.7	2.290	3.179	9.9	20.6
4 21	11 20.92	+ 9 7.1	2.368	3.170	12.7	20.7

109869 2001 RH_{149} 3 16.4 258.°61 2.°7/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.96	+ 6 35.2	2.248	3.090	11.2	19.7
2 21	12 0.97	+ 7 42.0	2.167	3.084	8.2	19.5
3 2	11 55.28	+ 8 56.2	2.112	3.078	5.0	19.3
3 12	11 48.46	+10 11.8	2.086	3.072	2.7	19.1
3 22	11 41.23	+11 22.0	2.088	3.066	4.3	19.2
4 1	11 34.40	+12 20.9	2.119	3.060	7.6	19.4
4 11	11 28.71	+13 4.1	2.176	3.054	10.8	19.6
4 21	11 24.68	+13 29.8	2.256	3.048	13.5	19.8

182711 2001 WZ_{16} 3 16.4 280.°83 1.°8/14.9 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.10	+ 4 48.9	1.768	2.606	13.9	19.9
2 21	12 6.12	+ 5 12.3	1.675	2.588	10.4	19.6
3 2	11 58.73	+ 5 44.7	1.605	2.570	6.3	19.4
3 12	11 49.61	+ 6 20.8	1.562	2.552	2.3	19.1
3 22	11 39.74	+ 6 54.3	1.547	2.534	3.9	19.1
4 1	11 30.29	+ 7 19.2	1.559	2.516	8.4	19.3
4 11	11 22.38	+ 7 30.7	1.597	2.497	12.6	19.6
4 21	11 16.75	+ 7 26.7	1.655	2.479	16.4	19.7

500966 2013 QD_{61} 3 16.4 301.°97 2.°1/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.02	+ 1 22.7	1.476	2.326	15.6	21.0
2 21	12 2.06	+ 2 37.2	1.379	2.299	11.7	20.7
3 2	11 56.49	+ 4 12.7	1.303	2.272	7.0	20.4
3 12	11 48.97	+ 6 1.5	1.254	2.244	2.5	20.0
3 22	11 40.49	+ 7 52.8	1.230	2.217	4.7	20.1
4 1	11 32.35	+ 9 34.4	1.233	2.190	10.0	20.3
4 11	11 25.82	+10 55.6	1.259	2.164	15.0	20.5
4 21	11 21.82	+11 50.8	1.305	2.138	19.4	20.7

472137 2014 BY_{57} 3 16.4 29.°42 8.°5/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.50	−22 14.6	2.165	2.868	16.0	20.0
2 21	12 6.89	−23 34.6	2.080	2.873	13.9	19.9
3 2	11 59.08	−24 33.7	2.015	2.878	11.6	19.7
3 12	11 49.69	−25 8.4	1.974	2.884	9.6	19.6
3 22	11 39.64	−25 17.9	1.959	2.890	8.5	19.6
4 1	11 29.98	−25 4.2	1.970	2.896	9.0	19.6
4 11	11 21.72	−24 32.9	2.006	2.903	10.6	19.7
4 21	11 15.56	−23 51.1	2.066	2.910	12.8	19.8

142746 2002 TS_{294} 3 16.4 49.°40 1.°4/15.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.27	+ 5 14.2	1.430	2.272	16.4	18.7
2 21	12 9.95	+ 5 6.2	1.373	2.288	12.2	18.5
3 2	12 0.92	+ 5 5.4	1.339	2.304	7.3	18.3
3 12	11 50.21	+ 5 6.9	1.330	2.321	2.4	18.0
3 22	11 39.13	+ 5 5.5	1.349	2.338	3.7	18.1
4 1	11 29.08	+ 4 57.0	1.394	2.356	8.6	18.5
4 11	11 21.19	+ 4 38.3	1.464	2.374	12.9	18.8
4 21	11 16.05	+ 4 8.6	1.555	2.392	16.6	19.0

171475 5151 T_{-3} 3 16.4 137.°47 4.°3/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.21	+10 6.7	1.738	2.586	13.7	20.4
2 21	12 5.94	+11 15.2	1.676	2.594	10.1	20.2
3 2	11 58.41	+12 28.4	1.638	2.601	6.5	20.0
3 12	11 49.44	+13 37.8	1.627	2.609	4.3	19.9
3 22	11 40.05	+14 35.2	1.645	2.615	6.2	20.0
4 1	11 31.38	+15 14.4	1.689	2.622	9.8	20.3
4 11	11 24.38	+15 32.2	1.758	2.628	13.3	20.5
4 21	11 19.66	+15 28.8	1.846	2.633	16.3	20.7

410356 2007 VW_{29} 3 16.4 210.°87 3.°0/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.68	+ 7 39.3	2.076	2.910	12.3	22.0
2 21	12 6.14	+ 8 37.2	1.991	2.903	9.1	21.8
3 2	11 58.52	+ 9 42.1	1.931	2.894	5.6	21.6
3 12	11 49.50	+10 47.4	1.900	2.885	3.1	21.4
3 22	11 39.93	+11 46.0	1.898	2.875	4.8	21.5
4 1	11 30.82	+12 32.0	1.925	2.864	8.4	21.7
4 11	11 23.07	+13 1.1	1.978	2.852	11.8	21.9
4 21	11 17.32	+13 12.0	2.053	2.839	14.9	22.1

209563 2004 XC_{13} 3 16.4 70.°86 4.°5/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.11	+ 9 2.9	1.408	2.265	15.7	20.0
2 21	12 6.23	+10 7.4	1.353	2.277	11.6	19.8
3 2	11 58.72	+11 18.1	1.322	2.288	7.2	19.5
3 12	11 49.54	+12 25.3	1.316	2.300	4.5	19.4
3 22	11 39.95	+13 19.6	1.336	2.312	6.5	19.5
4 1	11 31.28	+13 53.8	1.381	2.323	10.7	19.8
4 11	11 24.62	+14 4.7	1.450	2.335	14.6	20.1
4 21	11 20.59	+13 52.9	1.537	2.347	18.0	20.3

140056 2001 SY_{96} 3 16.4 56.°95 1.°9/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.54	− 7 41.3	2.096	2.897	13.5	19.8
2 21	12 0.70	− 7 7.5	2.020	2.905	10.4	19.6
3 2	11 55.12	− 6 16.2	1.966	2.914	6.9	19.4
3 12	11 48.41	− 5 10.7	1.939	2.923	3.3	19.2
3 22	11 41.35	− 3 56.6	1.941	2.933	2.4	19.1
4 1	11 34.77	− 2 40.6	1.972	2.942	5.7	19.4
4 11	11 29.43	− 1 29.5	2.029	2.951	9.2	19.6
4 21	11 25.83	− 0 28.7	2.111	2.961	12.3	19.8

517652 2015 BK_{543} 3 16.4 170.°52 0.°9/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.36	+ 0 34.1	1.954	2.784	13.1	21.3
2 21	12 2.20	+ 1 27.9	1.875	2.785	9.7	21.1
3 2	11 56.11	+ 2 34.6	1.821	2.785	5.8	20.9
3 12	11 48.74	+ 3 48.7	1.795	2.786	1.8	20.6
3 22	11 40.92	+ 5 3.1	1.797	2.786	3.0	20.7
4 1	11 33.60	+ 6 10.7	1.827	2.786	7.1	21.0
4 11	11 27.62	+ 7 5.4	1.884	2.787	10.9	21.2
4 21	11 23.55	+ 7 43.9	1.963	2.787	14.1	21.4

302350 2002 AW_{181} 3 16.4 108.°92 0.°8/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.40	− 3 14.4	1.684	2.498	15.6	21.7
2 21	12 7.51	− 2 46.3	1.622	2.520	11.8	21.5
3 2	11 59.32	− 2 1.8	1.584	2.541	7.4	21.3
3 12	11 49.71	− 1 6.0	1.572	2.561	2.6	21.0
3 22	11 39.76	− 0 5.6	1.589	2.581	2.5	21.0
4 1	11 30.63	+ 0 52.2	1.634	2.600	7.1	21.4
4 11	11 23.28	+ 1 40.6	1.705	2.618	11.2	21.6
4 21	11 18.28	+ 2 15.5	1.799	2.636	14.7	21.9

341772 2007 VB_{335} 3 16.4 219.°52 3.°8/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.84	+11 50.5	2.387	3.231	10.6	21.2
2 21	12 2.26	+12 48.0	2.312	3.227	7.9	21.0
3 2	11 56.02	+13 47.9	2.263	3.224	5.2	20.8
3 12	11 48.69	+14 44.2	2.242	3.220	3.8	20.7
3 22	11 41.00	+15 31.2	2.251	3.216	5.3	20.8
4 1	11 33.73	+16 4.4	2.287	3.212	8.0	21.0
4 11	11 27.60	+16 21.1	2.350	3.208	10.8	21.2
4 21	11 23.11	+16 20.9	2.433	3.203	13.3	21.3

288946 2004 SB_{52} 3 16.4 181.°07 0.°8/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.99	− 4 46.7	2.679	3.473	11.0	21.9
2 21	12 2.20	− 4 5.6	2.588	3.475	8.4	21.7
3 2	11 55.91	− 3 11.5	2.524	3.476	5.3	21.6
3 12	11 48.66	− 2 7.9	2.488	3.476	2.1	21.3
3 22	11 41.06	− 0 59.3	2.483	3.475	1.8	21.3
4 1	11 33.81	+ 0 9.2	2.508	3.474	5.0	21.5
4 11	11 27.55	+ 1 12.2	2.563	3.471	8.1	21.7
4 21	11 22.74	+ 2 6.0	2.643	3.469	10.8	21.9

503710 2016 JB_{20} 3 16.4 139.°02 0.°4/16.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.90	+ 0 7.7	2.217	3.037	12.1	21.6
2 21	12 3.09	+ 0 44.4	2.141	3.044	9.0	21.4
3 2	11 56.53	+ 1 31.9	2.090	3.052	5.5	21.2
3 12	11 48.86	+ 2 25.7	2.068	3.059	1.6	20.9
3 22	11 40.83	+ 3 20.6	2.075	3.065	2.4	21.0
4 1	11 33.30	+ 4 10.9	2.111	3.072	6.2	21.2
4 11	11 26.99	+ 4 52.0	2.174	3.078	9.6	21.5
4 21	11 22.42	+ 5 20.8	2.261	3.083	12.6	21.7

76929 2001 AX_{34} 3 16.4 201.°17 11.°2/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 23.86	−17 30.7	1.307	2.063	22.3	17.8
2 21	12 16.92	−19 36.6	1.225	2.062	19.1	17.6
3 2	12 6.06	−21 19.7	1.161	2.060	15.5	17.3
3 12	11 52.09	−22 31.3	1.119	2.057	12.4	17.2
3 22	11 36.57	−23 5.8	1.102	2.054	11.2	17.1
4 1	11 21.58	−23 3.8	1.109	2.051	12.7	17.1
4 11	11 9.12	−22 34.5	1.139	2.047	16.0	17.3
4 21	11 0.43	−21 50.6	1.189	2.042	19.6	17.5

34903 3037 P–L 3 16.4 79.°33 3.°4/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.17	−10 51.0	2.361	3.134	12.9	18.1
2 21	12 2.49	−10 57.4	2.281	3.145	10.3	17.9
3 2	11 56.16	−10 47.9	2.225	3.156	7.4	17.8
3 12	11 48.74	−10 23.6	2.195	3.167	4.5	17.6
3 22	11 40.98	− 9 47.6	2.194	3.178	3.4	17.5
4 1	11 33.67	− 9 4.2	2.221	3.188	5.4	17.7
4 11	11 27.51	− 8 19.0	2.277	3.199	8.3	17.9
4 21	11 23.00	− 7 36.7	2.356	3.210	11.1	18.1

466322 2013 QQ_{80} 3 16.4 151.°61 1.°6/18.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.40	− 4 35.7	2.291	3.086	12.6	21.6
2 21	12 5.65	− 4 34.5	2.209	3.094	9.7	21.4
3 2	11 58.10	− 4 20.8	2.152	3.101	6.3	21.2
3 12	11 49.36	− 3 57.0	2.122	3.108	2.8	21.0
3 22	11 40.23	− 3 26.6	2.122	3.114	2.2	21.0
4 1	11 31.58	− 2 54.0	2.153	3.120	5.6	21.2
4 11	11 24.19	− 2 23.9	2.211	3.125	9.0	21.4
4 21	11 18.59	− 2 0.1	2.294	3.130	12.0	21.6

62512 2000 SF_{241} 3 16.4 68.°36 1.°5/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.32	− 6 36.6	2.285	3.085	12.5	19.6
2 21	12 0.44	− 6 2.6	2.204	3.091	9.6	19.4
3 2	11 54.93	− 5 13.1	2.147	3.097	6.3	19.2
3 12	11 48.37	− 4 11.4	2.118	3.103	2.8	19.0
3 22	11 41.48	− 3 2.5	2.117	3.109	2.1	18.9
4 1	11 35.00	− 1 52.4	2.146	3.115	5.4	19.2
4 11	11 29.65	− 0 47.0	2.202	3.121	8.7	19.4
4 21	11 25.91	+ 0 8.8	2.282	3.127	11.7	19.6

125626 2001 XU_{58} 3 16.4 113.°35 1.°4/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.92	+ 1 52.7	1.722	2.552	14.7	20.4
2 21	12 7.09	+ 2 46.7	1.664	2.573	10.8	20.2
3 2	11 59.05	+ 3 52.6	1.630	2.594	6.4	20.0
3 12	11 49.65	+ 5 3.4	1.624	2.615	2.0	19.8
3 22	11 39.94	+ 6 11.2	1.646	2.634	3.5	19.9
4 1	11 31.04	+ 7 8.9	1.697	2.653	7.8	20.2
4 11	11 23.87	+ 7 51.2	1.773	2.671	11.7	20.5
4 21	11 18.98	+ 8 15.9	1.872	2.688	15.0	20.7

351865 2006 SF_{24} 3 16.4 137.°16 3.°1/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.33	−12 29.7	2.954	3.708	11.0	22.3
2 21	12 1.57	−12 22.0	2.869	3.720	8.9	22.1
3 2	11 55.47	−11 59.9	2.809	3.732	6.4	22.0
3 12	11 48.52	−11 24.8	2.776	3.743	4.1	21.9
3 22	11 41.31	−10 39.4	2.773	3.754	3.1	21.8
4 1	11 34.44	− 9 47.5	2.799	3.764	4.6	21.9
4 11	11 28.50	− 8 53.8	2.855	3.774	7.0	22.1
4 21	11 23.90	− 8 2.5	2.937	3.784	9.3	22.2

498944 2009 BU_{53} 3 16.4 23.°88 6.°2/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.21	−14 17.5	1.895	2.658	16.0	20.8
2 21	12 6.02	−15 16.4	1.815	2.664	13.2	20.6
3 2	11 58.56	−15 56.0	1.757	2.670	10.2	20.4
3 12	11 49.56	−16 14.8	1.723	2.677	7.4	20.3
3 22	11 39.97	−16 13.7	1.715	2.684	6.2	20.2
4 1	11 30.89	−15 55.9	1.735	2.692	7.6	20.3
4 11	11 23.32	−15 27.7	1.780	2.700	10.4	20.5
4 21	11 17.96	−14 55.8	1.849	2.709	13.3	20.7

135072 2001 PA_{34} 3 16.4 169.°97 3.°8/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.93	−14 15.9	2.590	3.342	12.5	20.6
2 21	12 1.53	−14 9.2	2.497	3.344	10.1	20.5
3 2	11 55.57	−13 45.0	2.428	3.346	7.5	20.3
3 12	11 48.58	−13 4.3	2.385	3.347	5.0	20.1
3 22	11 41.22	−12 10.0	2.371	3.349	3.9	20.1
4 1	11 34.21	−11 6.6	2.385	3.350	5.3	20.1
4 11	11 28.24	−10 0.0	2.429	3.351	7.9	20.3
4 21	11 23.77	− 8 55.6	2.497	3.351	10.5	20.5

85856 1999 AT_{19} 3 16.4 182.°22 1.°8/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.81	− 5 29.7	1.900	2.700	14.7	20.0
2 21	12 7.12	− 5 19.0	1.814	2.701	11.3	19.7
3 2	11 59.20	− 4 51.9	1.751	2.701	7.4	19.5
3 12	11 49.75	− 4 11.0	1.716	2.701	3.3	19.3
3 22	11 39.74	− 3 21.2	1.709	2.700	2.6	19.2
4 1	11 30.25	− 2 28.8	1.731	2.699	6.6	19.4
4 11	11 22.27	− 1 40.4	1.780	2.696	10.6	19.7
4 21	11 16.47	− 1 1.1	1.852	2.693	14.2	19.9

60268 1999 XU_{38} 3 16.4 192.°50 4.°0/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.48	+14 38.2	2.627	3.466	9.9	18.8
2 21	12 3.31	+15 19.7	2.554	3.465	7.4	18.7
3 2	11 56.59	+16 0.7	2.508	3.464	5.1	18.5
3 12	11 48.88	+16 36.1	2.490	3.463	4.0	18.4
3 22	11 40.87	+17 1.3	2.502	3.461	5.3	18.5
4 1	11 33.30	+17 13.0	2.543	3.460	7.7	18.7
4 11	11 26.82	+17 9.8	2.609	3.458	10.2	18.8
4 21	11 21.89	+16 51.7	2.698	3.456	12.4	19.0

421598 2014 OP_{228} 3 16.4 147.°03 0.°5/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.28	− 2 59.8	1.970	2.781	13.8	21.7
2 21	12 5.06	− 2 24.6	1.894	2.791	10.4	21.5
3 2	11 57.83	− 1 34.7	1.842	2.799	6.5	21.3
3 12	11 49.30	− 0 34.3	1.818	2.808	2.3	21.0
3 22	11 40.35	+ 0 30.3	1.823	2.815	2.3	21.0
4 1	11 31.98	+ 1 32.7	1.857	2.822	6.5	21.3
4 11	11 25.04	+ 2 26.4	1.918	2.829	10.3	21.5
4 21	11 20.10	+ 3 7.5	2.002	2.834	13.6	21.8

115748 2003 UO_{195} 3 16.4 41.°42 0.°9/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.61	+ 2 5.5	1.975	2.807	12.9	20.4
2 21	12 3.10	+ 2 35.9	1.899	2.809	9.6	20.2
3 2	11 56.65	+ 3 16.5	1.847	2.812	5.8	19.9
3 12	11 48.94	+ 4 2.3	1.823	2.814	1.8	19.7
3 22	11 40.81	+ 4 47.8	1.827	2.817	2.9	19.8
4 1	11 33.20	+ 5 27.1	1.859	2.820	6.9	20.0
4 11	11 26.94	+ 5 55.6	1.918	2.823	10.6	20.2
4 21	11 22.61	+ 6 10.7	1.999	2.826	13.8	20.5

4570 Runcorn 3 16.4 341.°11 0.°6/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.02	− 0 15.9	1.143	1.995	19.0	16.1
2 21	12 7.01	− 0 25.0	1.070	1.988	14.5	15.8
3 2	11 59.70	− 0 17.6	1.017	1.982	9.1	15.4
3 12	11 50.03	+ 0 2.3	0.986	1.976	3.1	15.1
3 22	11 39.41	+ 0 28.3	0.979	1.972	3.4	15.1
4 1	11 29.57	+ 0 52.3	0.996	1.968	9.5	15.4
4 11	11 22.04	+ 1 6.9	1.035	1.965	15.0	15.7
4 21	11 17.74	+ 1 7.4	1.092	1.963	19.8	15.9

204720 2006 GH_{41} 3 16.4 318.°04 0.°2/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.28	− 1 1.8	1.311	2.157	17.4	20.3
2 21	12 4.66	− 0 44.8	1.229	2.144	13.3	20.0
3 2	11 58.15	− 0 9.3	1.168	2.132	8.3	19.7
3 12	11 49.53	+ 0 39.6	1.130	2.121	2.7	19.3
3 22	11 40.02	+ 1 34.7	1.117	2.110	3.2	19.3
4 1	11 31.09	+ 2 26.6	1.129	2.099	8.9	19.6
4 11	11 24.12	+ 3 6.8	1.164	2.089	14.2	19.8
4 21	11 19.97	+ 3 29.9	1.219	2.080	18.7	20.1

459970 2014 OX_5 3 16.4 177.°33 2.°2/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.02	+ 4 37.8	2.080	2.910	12.5	22.8
2 21	12 5.56	+ 5 40.4	2.003	2.913	9.2	22.5
3 2	11 58.14	+ 6 52.1	1.951	2.915	5.5	22.3
3 12	11 49.41	+ 8 6.7	1.927	2.916	2.4	22.1
3 22	11 40.25	+ 9 16.9	1.934	2.917	4.0	22.2
4 1	11 31.60	+10 16.3	1.970	2.916	7.7	22.4
4 11	11 24.32	+11 0.3	2.032	2.915	11.2	22.7
4 21	11 18.98	+11 26.7	2.117	2.912	14.2	22.9

340644 2006 QV_{166} 3 16.4 141.°54 0.°2/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.51	− 1 50.9	2.610	3.422	10.8	21.3
2 21	12 0.37	− 0 50.3	2.531	3.430	8.0	21.2
3 2	11 54.81	+ 0 21.8	2.477	3.437	4.9	21.0
3 12	11 48.35	+ 1 41.0	2.453	3.444	1.5	20.7
3 22	11 41.60	+ 3 2.0	2.460	3.451	2.0	20.8
4 1	11 35.22	+ 4 18.9	2.497	3.457	5.4	21.0
4 11	11 29.83	+ 5 26.6	2.562	3.463	8.4	21.2
4 21	11 25.86	+ 6 21.9	2.652	3.469	11.1	21.4

119048 2001 HQ_{29} 3 16.4 302.°09 3.°3/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.90	− 8 11.6	1.265	2.092	19.1	19.6
2 21	12 3.86	− 8 4.4	1.175	2.074	15.2	19.3
3 2	11 57.81	− 7 29.7	1.103	2.056	10.4	18.9
3 12	11 49.47	− 6 29.1	1.054	2.039	5.4	18.6
3 22	11 40.05	− 5 8.5	1.030	2.021	3.9	18.4
4 1	11 31.08	− 3 38.5	1.030	2.005	8.7	18.7
4 11	11 24.06	− 2 11.9	1.052	1.988	14.2	18.9
4 21	11 20.00	− 0 59.1	1.095	1.972	19.2	19.1

139582 2001 QA_{105} 3 16.4 112.°27 0.°8/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.96	− 3 51.5	2.520	3.323	11.4	19.7
2 21	12 1.46	− 3 21.4	2.444	3.336	8.6	19.5
3 2	11 55.48	− 2 39.3	2.394	3.348	5.4	19.4
3 12	11 48.56	− 1 48.7	2.371	3.360	2.1	19.2
3 22	11 41.36	− 0 53.9	2.379	3.372	1.8	19.1
4 1	11 34.59	+ 0 0.2	2.417	3.383	5.1	19.4
4 11	11 28.87	+ 0 48.8	2.482	3.394	8.2	19.6
4 21	11 24.66	+ 1 28.5	2.572	3.405	10.9	19.8

79034 2228 T-2 3 16.4 225.°36 0.°6/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.65	− 2 39.7	2.034	2.844	13.4	21.0
2 21	12 5.49	− 2 12.7	1.937	2.833	10.2	20.8
3 2	11 58.23	− 1 31.3	1.865	2.822	6.5	20.5
3 12	11 49.49	− 0 39.0	1.820	2.809	2.3	20.2
3 22	11 40.13	+ 0 19.0	1.804	2.796	2.3	20.2
4 1	11 31.15	+ 1 16.2	1.817	2.782	6.6	20.4
4 11	11 23.49	+ 2 6.4	1.858	2.768	10.6	20.6
4 21	11 17.82	+ 2 45.0	1.922	2.753	14.1	20.8

306369 6883 P–L 3 16.4 103.°07 0.°8/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.66	− 0 19.9	1.650	2.480	15.2	21.3
2 21	12 5.55	+ 0 38.2	1.591	2.499	11.2	21.1
3 2	11 58.18	+ 1 51.1	1.555	2.518	6.7	20.9
3 12	11 49.42	+ 3 11.9	1.545	2.537	2.0	20.6
3 22	11 40.32	+ 4 32.1	1.564	2.555	3.2	20.7
4 1	11 31.99	+ 5 43.3	1.611	2.572	7.7	21.0
4 11	11 25.39	+ 6 39.3	1.684	2.589	11.8	21.3
4 21	11 21.06	+ 7 16.7	1.778	2.605	15.2	21.6

43068 1999 VK_{159} 3 16.4 170.°03 1.°8/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.85	− 6 13.3	2.223	3.020	12.9	20.0
2 21	12 3.14	− 5 56.5	2.137	3.022	10.0	19.8
3 2	11 56.64	− 5 24.8	2.075	3.024	6.6	19.6
3 12	11 48.95	− 4 40.8	2.041	3.025	3.1	19.4
3 22	11 40.85	− 3 48.9	2.035	3.027	2.3	19.3
4 1	11 33.17	− 2 54.4	2.059	3.028	5.6	19.5
4 11	11 26.71	− 2 3.2	2.110	3.028	9.1	19.7
4 21	11 21.99	− 1 19.8	2.185	3.029	12.2	19.9

235404 2003 XU_1 3 16.4 146.°52 0.°3/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.30	− 0 9.1	2.688	3.499	10.5	21.8
2 21	12 2.36	+ 0 30.5	2.611	3.510	7.8	21.7
3 2	11 55.99	+ 1 19.3	2.560	3.520	4.7	21.5
3 12	11 48.72	+ 2 13.5	2.539	3.530	1.4	21.3
3 22	11 41.17	+ 3 8.6	2.549	3.539	2.0	21.3
4 1	11 34.03	+ 4 0.0	2.588	3.548	5.3	21.5
4 11	11 27.90	+ 4 43.6	2.656	3.556	8.2	21.7
4 21	11 23.22	+ 5 16.8	2.749	3.564	10.8	21.9

502321 2015 BL_{160} 3 16.4 124.°99 1.°3/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.95	− 4 41.3	2.126	2.931	13.1	21.7
2 21	12 3.23	− 4 18.5	2.048	2.939	10.0	21.5
3 2	11 56.69	− 3 41.2	1.994	2.947	6.4	21.3
3 12	11 48.97	− 2 52.8	1.967	2.955	2.7	21.1
3 22	11 40.87	− 1 58.2	1.970	2.962	2.1	21.1
4 1	11 33.27	− 1 3.1	2.001	2.969	5.8	21.3
4 11	11 26.94	− 0 13.4	2.059	2.976	9.4	21.6
4 21	11 22.43	+ 0 26.7	2.142	2.983	12.5	21.8

356487 2011 RJ_{16} 3 16.4 264.°61 5.°3/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.59	−12 40.2	1.628	2.409	17.5	21.4
2 21	12 6.97	−12 57.8	1.521	2.387	14.4	21.1
3 2	11 59.58	−12 51.6	1.434	2.364	10.6	20.8
3 12	11 50.03	−12 20.4	1.371	2.340	6.9	20.5
3 22	11 39.38	−11 26.4	1.334	2.316	5.4	20.4
4 1	11 28.97	−10 15.5	1.323	2.291	8.2	20.5
4 11	11 20.16	− 8 57.6	1.338	2.266	12.5	20.7
4 21	11 13.94	− 7 42.7	1.376	2.240	16.8	20.8

423229 2004 RV_{291} 3 16.4 132.°97 2.°6/19.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.43	− 9 19.3	2.465	3.239	12.4	22.3
2 21	12 4.08	− 9 10.1	2.386	3.254	9.8	22.1
3 2	11 57.10	− 8 45.8	2.332	3.268	6.7	21.9
3 12	11 49.08	− 8 8.4	2.305	3.282	3.8	21.7
3 22	11 40.75	− 7 21.5	2.308	3.295	2.8	21.7
4 1	11 32.88	− 6 29.6	2.340	3.308	5.2	21.9
4 11	11 26.18	− 5 38.3	2.402	3.320	8.2	22.1
4 21	11 21.11	− 4 52.1	2.488	3.331	10.9	22.3

497595 2006 KP_{20} 3 16.4 281.°37 5.°2/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.08	+13 30.7	2.056	2.909	11.7	20.9
2 21	12 2.10	+14 57.7	1.974	2.892	8.8	20.7
3 2	11 56.15	+16 28.4	1.918	2.876	6.2	20.5
3 12	11 48.84	+17 54.4	1.889	2.860	5.3	20.4
3 22	11 40.99	+19 7.6	1.889	2.843	7.1	20.5
4 1	11 33.53	+20 1.5	1.916	2.827	10.1	20.6
4 11	11 27.35	+20 32.5	1.966	2.810	13.2	20.8
4 21	11 23.05	+20 40.1	2.036	2.794	15.9	20.9

399913 2005 XA_{76} 3 16.4 280.°03 3.°3/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.85	+ 6 25.4	1.404	2.256	16.1	21.1
2 21	12 7.27	+ 7 8.3	1.319	2.240	12.0	20.8
3 2	11 59.75	+ 8 2.2	1.255	2.223	7.4	20.5
3 12	11 50.06	+ 8 59.2	1.217	2.206	3.5	20.2
3 22	11 39.44	+ 9 49.9	1.205	2.189	5.6	20.3
4 1	11 29.36	+10 25.8	1.219	2.172	10.6	20.5
4 11	11 21.22	+10 41.0	1.255	2.155	15.4	20.7
4 21	11 15.91	+10 33.7	1.310	2.138	19.6	20.9

436767 2012 GW_1 3 16.4 165.°22 3.°6/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.75	−15 9.6	1.312	2.104	20.4	21.0
2 21	12 4.94	−13 42.1	1.231	2.108	16.4	20.8
3 2	11 58.24	−11 32.3	1.171	2.111	11.4	20.5
3 12	11 49.55	− 8 45.1	1.134	2.114	6.1	20.2
3 22	11 40.16	− 5 33.1	1.125	2.116	3.8	20.0
4 1	11 31.53	− 2 15.3	1.144	2.118	8.3	20.3
4 11	11 24.96	+ 0 48.6	1.189	2.118	13.6	20.6
4 21	11 21.23	+ 3 24.6	1.258	2.119	18.3	20.9

376289 2011 FL_{83} 3 16.4 113.°32 0.°8/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.99	+ 0 42.6	1.995	2.824	13.0	21.5
2 21	12 2.62	+ 1 31.7	1.922	2.830	9.6	21.3
3 2	11 56.36	+ 2 32.8	1.873	2.837	5.8	21.1
3 12	11 48.89	+ 3 40.5	1.851	2.843	1.7	20.8
3 22	11 41.02	+ 4 48.1	1.859	2.848	2.9	20.9
4 1	11 33.69	+ 5 49.1	1.895	2.854	6.9	21.2
4 11	11 27.68	+ 6 38.0	1.957	2.860	10.5	21.4
4 21	11 23.55	+ 7 11.7	2.042	2.865	13.7	21.6

286068 2001 SS_{315} 3 16.4 175.°73 3.°5/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.91	−10 26.1	2.015	2.790	14.8	21.8
2 21	12 7.13	−10 23.9	1.927	2.793	11.8	21.6
3 2	11 59.20	−10 2.6	1.861	2.796	8.3	21.4
3 12	11 49.80	− 9 23.6	1.823	2.798	4.8	21.1
3 22	11 39.86	− 8 30.6	1.812	2.799	3.6	21.1
4 1	11 30.41	− 7 29.7	1.831	2.799	6.4	21.2
4 11	11 22.40	− 6 28.0	1.878	2.798	10.0	21.4
4 21	11 16.49	− 5 31.9	1.949	2.796	13.3	21.7

359040 2008 WW_{116} 3 16.4 193.°07 4.°5/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.91	+10 32.0	1.731	2.577	13.8	21.7
2 21	12 7.38	+11 38.0	1.659	2.576	10.3	21.5
3 2	11 59.44	+12 49.1	1.611	2.574	6.6	21.3
3 12	11 49.88	+13 56.6	1.591	2.571	4.5	21.2
3 22	11 39.78	+14 52.2	1.598	2.568	6.4	21.3
4 1	11 30.31	+15 29.2	1.632	2.564	10.1	21.5
4 11	11 22.55	+15 44.3	1.691	2.560	13.8	21.7
4 21	11 17.16	+15 37.5	1.770	2.555	17.0	21.9

99729 2002 JQ_{55} 3 16.4 313.°13 1.°2/15.6 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.54	+ 2 4.4	1.343	2.195	16.7	19.6
2 21	12 4.88	+ 2 28.4	1.257	2.176	12.6	19.3
3 2	11 58.33	+ 3 7.4	1.191	2.158	7.7	19.0
3 12	11 49.64	+ 3 55.7	1.149	2.141	2.4	18.6
3 22	11 39.99	+ 4 45.3	1.133	2.124	3.9	18.7
4 1	11 30.85	+ 5 27.4	1.142	2.107	9.5	18.9
4 11	11 23.60	+ 5 54.5	1.173	2.092	14.7	19.2
4 21	11 19.16	+ 6 2.5	1.224	2.076	19.2	19.4

109160 2001 QM_{62} 3 16.4 117.°92 0.°4/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.80	− 2 45.2	1.960	2.775	13.7	20.5
2 21	12 3.94	− 2 3.7	1.889	2.789	10.3	20.3
3 2	11 57.15	− 1 7.5	1.843	2.802	6.4	20.1
3 12	11 49.13	− 0 1.5	1.824	2.814	2.1	19.8
3 22	11 40.75	+ 1 8.0	1.834	2.826	2.3	19.8
4 1	11 32.95	+ 2 14.1	1.873	2.838	6.4	20.1
4 11	11 26.57	+ 3 10.5	1.939	2.850	10.2	20.4
4 21	11 22.14	+ 3 53.5	2.028	2.861	13.4	20.6

431944 2008 UN_{11} 3 16.4 140.°37 1.°2/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.10	− 4 24.4	2.229	3.033	12.6	22.1
2 21	12 3.28	− 4 4.5	2.149	3.039	9.6	21.9
3 2	11 56.71	− 3 31.0	2.093	3.046	6.2	21.7
3 12	11 48.99	− 2 47.0	2.064	3.052	2.6	21.5
3 22	11 40.90	− 1 57.2	2.065	3.057	2.1	21.4
4 1	11 33.27	− 1 6.8	2.095	3.063	5.6	21.7
4 11	11 26.86	− 0 21.3	2.153	3.068	9.1	21.9
4 21	11 22.19	+ 0 15.5	2.234	3.073	12.1	22.1

123109 2000 SQ_{355} 3 16.4 141.°62 5.°2/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.14	+16 18.0	2.215	3.055	11.4	20.5
2 21	12 6.22	+17 14.6	2.155	3.065	8.7	20.3
3 2	11 58.44	+18 9.3	2.122	3.074	6.2	20.2
3 12	11 49.51	+18 55.2	2.117	3.083	5.2	20.1
3 22	11 40.30	+19 26.6	2.141	3.092	6.6	20.2
4 1	11 31.70	+19 40.1	2.192	3.099	9.2	20.4
4 11	11 24.52	+19 34.4	2.268	3.107	11.9	20.6
4 21	11 19.25	+19 10.8	2.366	3.114	14.2	20.7

302320 2002 AR_{58} 3 16.4 32.°02 3.°4/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.19	+ 4 50.2	1.233	2.096	17.1	19.9
2 21	12 3.69	+ 6 4.4	1.176	2.103	12.5	19.6
3 2	11 57.39	+ 7 32.3	1.140	2.110	7.5	19.3
3 12	11 49.26	+ 9 3.3	1.129	2.118	3.6	19.1
3 22	11 40.60	+10 25.4	1.143	2.127	5.9	19.3
4 1	11 32.83	+11 28.4	1.182	2.135	10.8	19.6
4 11	11 27.14	+12 6.1	1.242	2.145	15.3	19.9
4 21	11 24.18	+12 17.4	1.321	2.155	19.1	20.1

181162 2005 SK_{11} 3 16.4 279.°23 0.°8/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.81	+ 2 3.8	2.398	3.224	11.1	20.6
2 21	12 1.57	+ 2 34.9	2.306	3.214	8.3	20.4
3 2	11 55.68	+ 3 15.0	2.241	3.204	5.0	20.2
3 12	11 48.69	+ 4 0.0	2.203	3.194	1.5	19.9
3 22	11 41.27	+ 4 45.2	2.195	3.184	2.5	20.0
4 1	11 34.20	+ 5 25.8	2.215	3.174	6.1	20.2
4 11	11 28.18	+ 5 57.4	2.263	3.164	9.4	20.4
4 21	11 23.74	+ 6 17.5	2.334	3.154	12.3	20.6

206917 2004 PY_{88} 3 16.4 161.°83 1.°1/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.88	− 2 45.3	1.760	2.572	15.1	20.6
2 21	12 8.03	− 2 37.3	1.681	2.577	11.5	20.4
3 2	11 59.81	− 2 14.6	1.626	2.582	7.3	20.1
3 12	11 50.01	− 1 40.6	1.597	2.586	2.8	19.9
3 22	11 39.65	− 1 0.4	1.597	2.589	2.5	19.9
4 1	11 29.92	− 0 20.4	1.625	2.592	7.0	20.1
4 11	11 21.86	+ 0 13.4	1.680	2.594	11.2	20.4
4 21	11 16.14	+ 0 36.7	1.757	2.596	14.9	20.6

70374 1999 RD_{210} 3 16.4 122.°00 2.°0/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.94	− 6 3.8	1.960	2.756	14.4	19.6
2 21	12 7.00	− 5 54.7	1.890	2.774	11.1	19.4
3 2	11 59.01	− 5 29.7	1.843	2.791	7.3	19.2
3 12	11 49.72	− 4 51.7	1.823	2.808	3.4	19.0
3 22	11 40.06	− 4 5.4	1.832	2.824	2.6	18.9
4 1	11 31.06	− 3 16.6	1.871	2.839	6.2	19.2
4 11	11 23.58	− 2 31.6	1.937	2.854	9.9	19.5
4 21	11 18.19	− 1 54.9	2.026	2.868	13.1	19.7

164711 1998 FD_{42} 3 16.4 342.°23 1.°8/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.51	− 2 18.3	1.147	1.998	19.0	19.1
2 21	12 4.43	− 2 37.0	1.070	1.986	14.7	18.8
3 2	11 58.19	− 2 37.4	1.012	1.975	9.5	18.4
3 12	11 49.63	− 2 22.2	0.976	1.965	3.9	18.1
3 22	11 40.07	− 1 56.7	0.963	1.956	3.3	18.0
4 1	11 31.16	− 1 28.8	0.974	1.949	9.1	18.3
4 11	11 24.43	− 1 6.9	1.006	1.943	14.6	18.6
4 21	11 20.82	− 0 57.0	1.057	1.938	19.4	18.8

10175 Aenona 3 16.4 261.°83 1.°4/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.39	− 5 23.4	1.567	2.387	16.3	17.6
2 21	12 4.40	− 4 48.5	1.475	2.374	12.6	17.4
3 2	11 57.86	− 3 51.3	1.404	2.361	8.2	17.1
3 12	11 49.47	− 2 35.7	1.359	2.347	3.3	16.7
3 22	11 40.28	− 1 8.9	1.341	2.333	2.7	16.7
4 1	11 31.53	+ 0 19.3	1.349	2.319	7.8	16.9
4 11	11 24.44	+ 1 38.9	1.383	2.305	12.6	17.2
4 21	11 19.79	+ 2 42.7	1.438	2.291	16.9	17.4

141210 2001 XS_{212} 3 16.4 352.°54 14.°4/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.46	+41 21.6	1.755	2.567	15.2	18.0
2 21	12 5.29	+43 18.9	1.726	2.561	14.5	17.9
3 2	11 58.31	+44 51.6	1.718	2.555	14.5	17.9
3 12	11 49.54	+45 49.2	1.730	2.551	15.3	18.0
3 22	11 40.31	+46 5.9	1.762	2.547	16.6	18.0
4 1	11 32.08	+45 41.0	1.811	2.545	18.2	18.2
4 11	11 25.98	+44 38.4	1.874	2.543	19.7	18.3
4 21	11 22.62	+43 4.9	1.950	2.542	21.0	18.4

355804 2008 SF_{253} 3 16.4 158.°97 3.°1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.16	+ 6 9.5	1.529	2.376	15.3	21.5
2 21	12 7.02	+ 7 5.4	1.461	2.379	11.3	21.3
3 2	11 59.30	+ 8 11.1	1.416	2.382	6.9	21.1
3 12	11 49.87	+ 9 18.3	1.397	2.385	3.3	20.8
3 22	11 39.88	+10 18.0	1.405	2.387	5.3	21.0
4 1	11 30.64	+11 2.5	1.440	2.389	9.7	21.2
4 11	11 23.26	+11 27.0	1.499	2.391	13.9	21.5
4 21	11 18.44	+11 30.4	1.578	2.392	17.4	21.7

412126 2013 GA_{42} 3 16.4 305.°33 2.°8/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.12	− 9 49.5	1.401	2.218	18.0	21.0
2 21	12 1.48	− 9 8.3	1.308	2.202	14.3	20.7
3 2	11 56.20	− 7 56.3	1.234	2.185	9.8	20.4
3 12	11 48.98	− 6 16.2	1.185	2.169	4.9	20.1
3 22	11 40.88	− 4 16.1	1.160	2.153	3.3	19.9
4 1	11 33.23	− 2 8.2	1.162	2.137	8.0	20.1
4 11	11 27.31	− 0 6.6	1.188	2.122	13.2	20.4
4 21	11 23.98	+ 1 37.3	1.236	2.107	17.9	20.6

296341 2009 FE_1 3 16.4 225.°36 0.°1/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.38	− 1 39.4	2.373	3.190	11.5	20.8
2 21	12 0.49	− 0 50.6	2.287	3.188	8.6	20.6
3 2	11 55.01	+ 0 10.8	2.226	3.186	5.3	20.4
3 12	11 48.48	+ 1 20.2	2.194	3.184	1.6	20.1
3 22	11 41.59	+ 2 32.4	2.191	3.182	2.1	20.2
4 1	11 35.06	+ 3 41.2	2.217	3.180	5.8	20.4
4 11	11 29.59	+ 4 41.3	2.271	3.178	9.1	20.6
4 21	11 25.68	+ 5 29.0	2.349	3.175	12.0	20.8

17649 Brunorossi 3 16.4 274.°11 5.°3/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.83	−16 51.2	1.959	2.715	15.8	18.8
2 21	12 2.14	−16 37.0	1.851	2.697	13.1	18.6
3 2	11 56.33	−15 56.5	1.764	2.679	10.0	18.3
3 12	11 48.97	−14 49.6	1.701	2.661	6.9	18.1
3 22	11 40.92	−13 19.5	1.664	2.642	5.3	18.0
4 1	11 33.18	−11 33.2	1.656	2.623	6.9	18.0
4 11	11 26.74	− 9 40.6	1.675	2.604	10.3	18.2
4 21	11 22.33	− 7 51.3	1.718	2.585	13.8	18.3

418322 2008 FW_{116} 3 16.4 22.°33 1.°5/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.37	− 5 21.2	1.382	2.215	17.4	21.0
2 21	12 2.14	− 4 49.5	1.315	2.221	13.3	20.8
3 2	11 56.39	− 3 55.1	1.268	2.227	8.6	20.5
3 12	11 48.97	− 2 43.2	1.246	2.234	3.5	20.3
3 22	11 41.01	− 1 22.0	1.249	2.242	2.8	20.2
4 1	11 33.76	− 0 1.8	1.278	2.250	7.7	20.5
4 11	11 28.34	+ 1 8.0	1.331	2.260	12.4	20.8
4 21	11 25.40	+ 2 0.9	1.404	2.269	16.5	21.1

230386 2002 GC_{120} 3 16.4 230.°23 3.°9/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.63	+11 25.3	2.257	3.099	11.2	20.8
2 21	12 3.77	+12 25.8	2.175	3.090	8.3	20.6
3 2	11 57.08	+13 29.7	2.119	3.080	5.4	20.4
3 12	11 49.15	+14 30.4	2.092	3.070	3.9	20.3
3 22	11 40.77	+15 21.7	2.094	3.060	5.5	20.4
4 1	11 32.81	+15 58.4	2.124	3.049	8.5	20.5
4 11	11 26.05	+16 17.5	2.179	3.038	11.5	20.7
4 21	11 21.08	+16 18.4	2.256	3.027	14.2	20.9

266312 2007 CY_{37} 3 16.4 208.°54 2.°2/18.6 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.72	− 6 18.2	2.296	3.084	12.8	20.8
2 21	12 6.07	− 6 22.9	2.200	3.078	10.0	20.6
3 2	11 58.50	− 6 14.1	2.127	3.072	6.7	20.4
3 12	11 49.61	− 5 53.5	2.082	3.065	3.4	20.2
3 22	11 40.19	− 5 24.0	2.067	3.057	2.6	20.1
4 1	11 31.12	− 4 49.9	2.082	3.049	5.7	20.3
4 11	11 23.27	− 4 16.5	2.125	3.041	9.2	20.5
4 21	11 17.23	− 3 47.9	2.192	3.031	12.3	20.6

207763 Oberursel 3 16.4 101.°48 1.°0/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.85	+ 2 2.3	2.279	3.105	11.6	21.0
2 21	12 2.26	+ 2 45.3	2.210	3.117	8.6	20.8
3 2	11 56.04	+ 3 37.2	2.166	3.130	5.1	20.6
3 12	11 48.80	+ 4 33.4	2.151	3.142	1.6	20.4
3 22	11 41.27	+ 5 28.4	2.165	3.153	2.7	20.5
4 1	11 34.22	+ 6 16.9	2.208	3.165	6.2	20.7
4 11	11 28.36	+ 6 54.8	2.278	3.177	9.5	20.9
4 21	11 24.16	+ 7 19.6	2.372	3.188	12.2	21.1

261245 2005 UL_{59} 3 16.4 346.°65 2.°5/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.38	+ 5 41.8	1.669	2.515	14.3	20.7
2 21	12 4.80	+ 6 20.6	1.595	2.513	10.5	20.5
3 2	11 57.90	+ 7 8.1	1.545	2.512	6.4	20.2
3 12	11 49.44	+ 7 57.8	1.522	2.511	2.7	20.0
3 22	11 40.45	+ 8 42.4	1.525	2.510	4.4	20.1
4 1	11 32.08	+ 9 15.4	1.556	2.509	8.7	20.3
4 11	11 25.35	+ 9 32.4	1.611	2.509	12.7	20.6
4 21	11 20.90	+ 9 31.7	1.686	2.508	16.2	20.8

295650 2008 SD_{305} 3 16.4 302.°84 1.°7/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.20	+ 0 26.6	1.221	2.077	17.7	20.6
2 21	12 3.57	+ 1 26.5	1.123	2.046	13.4	20.3
3 2	11 57.82	+ 2 51.2	1.047	2.016	8.2	19.9
3 12	11 49.60	+ 4 33.9	0.993	1.985	2.6	19.5
3 22	11 40.07	+ 6 23.0	0.965	1.954	4.8	19.5
4 1	11 30.83	+ 8 4.1	0.960	1.924	11.1	19.7
4 11	11 23.50	+ 9 24.2	0.977	1.894	17.1	19.9
4 21	11 19.23	+10 15.8	1.012	1.865	22.3	20.2

122674 2000 RG_{103} 3 16.4 136.°42 5.°8/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.52	−16 26.8	2.156	2.897	15.0	20.5
2 21	12 6.03	−16 59.7	2.072	2.905	12.4	20.3
3 2	11 58.52	−17 12.5	2.009	2.913	9.6	20.2
3 12	11 49.62	−17 4.6	1.971	2.920	7.0	20.0
3 22	11 40.22	−16 37.4	1.961	2.927	5.8	20.0
4 1	11 31.29	−15 55.1	1.978	2.934	6.9	20.0
4 11	11 23.72	−15 4.1	2.023	2.940	9.5	20.2
4 21	11 18.13	−14 11.2	2.092	2.946	12.2	20.4

374606 2006 DS_{136} 3 16.5 80.°28 1.°0/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.77	+ 3 19.0	1.895	2.725	13.5	20.8
2 21	12 6.18	+ 3 34.3	1.830	2.739	10.0	20.6
3 2	11 58.53	+ 3 57.8	1.789	2.753	6.0	20.4
3 12	11 49.60	+ 4 25.0	1.775	2.766	1.9	20.2
3 22	11 40.33	+ 4 50.8	1.791	2.780	3.0	20.3
4 1	11 31.74	+ 5 10.3	1.834	2.794	7.1	20.6
4 11	11 24.69	+ 5 19.9	1.904	2.808	10.8	20.8
4 21	11 19.73	+ 5 17.7	1.997	2.821	13.9	21.0

425109 2009 ST_{133} 3 16.5 177.°53 2.°0/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.42	+ 5 2.5	2.066	2.900	12.4	22.4
2 21	12 4.42	+ 5 47.4	1.989	2.901	9.1	22.2
3 2	11 57.49	+ 6 40.3	1.937	2.902	5.5	22.0
3 12	11 49.30	+ 7 35.5	1.913	2.903	2.2	21.8
3 22	11 40.68	+ 8 26.9	1.919	2.903	3.8	21.9
4 1	11 32.57	+ 9 8.8	1.952	2.903	7.4	22.1
4 11	11 25.79	+ 9 37.0	2.012	2.902	10.9	22.3
4 21	11 20.92	+ 9 49.7	2.095	2.901	14.0	22.5

348914 2006 TN_9 3 16.5 155.°28 2.°0/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.60	− 8 28.7	2.555	3.340	11.7	21.2
2 21	12 0.55	− 7 59.0	2.467	3.343	9.1	21.0
3 2	11 55.02	− 7 14.0	2.403	3.346	6.2	20.8
3 12	11 48.50	− 6 16.4	2.367	3.348	3.2	20.6
3 22	11 41.66	− 5 10.4	2.360	3.350	2.2	20.5
4 1	11 35.17	− 4 1.3	2.383	3.353	4.9	20.7
4 11	11 29.68	− 2 54.6	2.434	3.355	8.0	20.9
4 21	11 25.66	− 1 55.1	2.511	3.356	10.7	21.1

476466 2008 EO_{154} 3 16.5 266.°46 1.°6/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.66	+ 5 50.5	2.601	3.431	10.2	21.4
2 21	12 2.07	+ 6 18.3	2.514	3.424	7.5	21.2
3 2	11 55.94	+ 6 51.5	2.453	3.417	4.5	21.0
3 12	11 48.80	+ 7 26.0	2.420	3.410	1.9	20.8
3 22	11 41.30	+ 7 57.6	2.418	3.402	3.1	20.9
4 1	11 34.15	+ 8 22.5	2.445	3.395	6.1	21.1
4 11	11 28.00	+ 8 37.4	2.498	3.388	9.1	21.2
4 21	11 23.33	+ 8 40.9	2.576	3.380	11.7	21.4

111952 2002 GX_{61} 3 16.5 240.°66 1.°9/14.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.64	+ 3 49.6	1.779	2.615	13.9	20.9
2 21	12 5.76	+ 4 35.5	1.691	2.604	10.4	20.7
3 2	11 58.55	+ 5 32.9	1.627	2.592	6.3	20.4
3 12	11 49.69	+ 6 35.4	1.590	2.580	2.3	20.1
3 22	11 40.17	+ 7 35.6	1.582	2.568	4.0	20.2
4 1	11 31.12	+ 8 26.2	1.601	2.555	8.4	20.4
4 11	11 23.58	+ 9 1.6	1.645	2.542	12.6	20.7
4 21	11 18.29	+ 9 18.8	1.711	2.528	16.2	20.9

67512 2000 RL_{56} 3 16.5 36.°46 4.°1/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.89	− 6 21.3	1.340	2.156	18.8	17.0
2 21	12 9.44	− 7 10.5	1.271	2.163	14.8	16.7
3 2	12 0.98	− 7 41.1	1.223	2.171	10.2	16.5
3 12	11 50.48	− 7 53.4	1.198	2.179	5.6	16.2
3 22	11 39.27	− 7 49.7	1.200	2.188	4.4	16.2
4 1	11 28.90	− 7 35.6	1.227	2.197	8.3	16.4
4 11	11 20.71	− 7 18.4	1.277	2.207	12.8	16.7
4 21	11 15.48	− 7 4.6	1.349	2.217	16.9	17.0

423209 2004 RQ_{63} 3 16.5 90.°21 0.°2/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.48	+ 0 45.0	2.128	2.941	12.8	21.4
2 21	12 7.12	+ 0 59.6	2.071	2.970	9.5	21.3
3 2	11 58.95	+ 1 23.3	2.039	2.998	5.8	21.1
3 12	11 49.72	+ 1 52.3	2.036	3.026	1.8	20.9
3 22	11 40.30	+ 2 22.1	2.062	3.054	2.3	21.0
4 1	11 31.58	+ 2 48.0	2.119	3.080	6.1	21.2
4 11	11 24.31	+ 3 6.5	2.203	3.107	9.5	21.5
4 21	11 18.98	+ 3 15.3	2.311	3.132	12.3	21.7

477167 2009 ED_{24} 3 16.5 281.°06 0.°9/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.80	+ 3 14.4	2.288	3.114	11.6	21.7
2 21	12 3.87	+ 3 28.5	2.198	3.105	8.6	21.5
3 2	11 57.15	+ 3 50.0	2.134	3.097	5.2	21.2
3 12	11 49.22	+ 4 15.2	2.097	3.088	1.6	21.0
3 22	11 40.83	+ 4 39.8	2.090	3.080	2.6	21.0
4 1	11 32.83	+ 4 59.6	2.112	3.071	6.3	21.2
4 11	11 26.00	+ 5 11.2	2.161	3.063	9.8	21.4
4 21	11 20.89	+ 5 12.2	2.233	3.054	12.7	21.6

195276 2002 EK_{67} 3 16.5 333.°45 1.°4/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.03	− 3 34.0	1.714	2.535	15.1	19.8
2 21	12 3.85	− 3 28.3	1.629	2.530	11.6	19.6
3 2	11 57.38	− 3 6.8	1.568	2.524	7.5	19.3
3 12	11 49.34	− 2 32.6	1.531	2.519	3.0	19.0
3 22	11 40.68	− 1 50.7	1.522	2.515	2.5	19.0
4 1	11 32.53	− 1 7.4	1.540	2.511	7.0	19.3
4 11	11 25.91	− 0 29.5	1.584	2.507	11.2	19.5
4 21	11 21.50	− 0 1.9	1.649	2.503	15.0	19.7

64904 2001 YO_{88} 3 16.5 227.°26 1.°8/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.21	+ 3 41.8	1.937	2.765	13.3	20.1
2 21	12 6.80	+ 4 28.7	1.844	2.753	9.9	19.9
3 2	11 59.14	+ 5 26.4	1.776	2.739	6.0	19.6
3 12	11 49.90	+ 6 29.2	1.735	2.725	2.2	19.3
3 22	11 39.99	+ 7 30.1	1.724	2.710	3.8	19.4
4 1	11 30.49	+ 8 22.2	1.742	2.694	8.0	19.6
4 11	11 22.41	+ 9 0.1	1.785	2.677	12.0	19.8
4 21	11 16.46	+ 9 20.9	1.851	2.660	15.5	20.0

206257 2002 XW_{76} 3 16.5 168.°40 0.°9/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.29	− 3 37.7	2.740	3.538	10.7	21.1
2 21	12 2.43	− 3 17.0	2.654	3.542	8.1	20.9
3 2	11 56.13	− 2 45.6	2.593	3.545	5.2	20.7
3 12	11 48.88	− 2 6.3	2.561	3.548	2.1	20.5
3 22	11 41.32	− 1 22.5	2.558	3.551	1.7	20.5
4 1	11 34.11	− 0 38.5	2.587	3.553	4.8	20.7
4 11	11 27.87	+ 0 1.4	2.644	3.554	7.8	20.9
4 21	11 23.05	+ 0 34.1	2.726	3.556	10.4	21.1

464518 2016 CN_3 3 16.5 276.°47 4.°4/19.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.87	−10 33.6	1.601	2.397	17.1	20.8
2 21	12 5.53	−10 48.8	1.510	2.387	13.8	20.6
3 2	11 58.60	−10 41.7	1.438	2.377	9.9	20.3
3 12	11 49.78	−10 12.7	1.391	2.366	6.0	20.1
3 22	11 40.13	− 9 25.1	1.370	2.356	4.6	19.9
4 1	11 30.92	− 8 25.4	1.375	2.345	7.6	20.1
4 11	11 23.38	− 7 22.5	1.405	2.335	11.8	20.3
4 21	11 18.32	− 6 24.9	1.458	2.325	15.9	20.5

267711 2003 AM_{91} 3 16.5 25.°67 9.°2/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.80	−25 35.1	1.982	2.680	17.4	19.7
2 21	12 2.85	−26 26.8	1.902	2.687	15.3	19.6
3 2	11 56.73	−26 51.8	1.840	2.695	12.9	19.4
3 12	11 49.14	−26 47.3	1.799	2.703	10.8	19.3
3 22	11 40.98	−26 13.7	1.782	2.712	9.4	19.2
4 1	11 33.31	−25 14.8	1.790	2.721	9.4	19.3
4 11	11 27.09	−23 58.3	1.822	2.731	10.9	19.4
4 21	11 22.99	−22 33.3	1.877	2.741	13.0	19.5

483563 2004 BD_{68} 3 16.5 76.°52 0.°7/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 33.52	− 3 46.7	1.663	2.439	17.4	22.7
2 21	12 21.64	− 1 49.7	1.632	2.513	12.8	22.5
3 2	12 7.46	+ 0 23.1	1.629	2.583	7.5	22.4
3 12	11 52.26	+ 2 40.6	1.660	2.650	2.2	22.2
3 22	11 37.47	+ 4 50.4	1.725	2.714	3.3	22.4
4 1	11 24.37	+ 6 42.6	1.824	2.774	7.9	22.8
4 11	11 13.84	+ 8 11.2	1.954	2.832	11.8	23.1
4 21	11 6.25	+ 9 15.2	2.107	2.887	14.8	23.4

322345 2011 HD_{77} 3 16.5 154.°71 3.°6/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.43	+10 14.9	2.220	3.064	11.3	20.7
2 21	12 2.83	+11 19.2	2.151	3.067	8.3	20.5
3 2	11 56.48	+12 27.3	2.107	3.070	5.3	20.3
3 12	11 49.01	+13 32.6	2.092	3.073	3.6	20.2
3 22	11 41.19	+14 28.9	2.106	3.075	5.2	20.3
4 1	11 33.84	+15 10.8	2.148	3.078	8.2	20.5
4 11	11 27.73	+15 35.5	2.216	3.080	11.1	20.7
4 21	11 23.36	+15 42.3	2.305	3.082	13.7	20.8

81703 2000 JO_{20} 3 16.5 279.°85 1.°7/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.31	− 4 30.5	1.778	2.592	14.9	19.2
2 21	12 4.89	− 4 23.0	1.679	2.575	11.6	19.0
3 2	11 58.12	− 3 58.8	1.603	2.557	7.6	18.7
3 12	11 49.63	− 3 20.5	1.552	2.539	3.3	18.4
3 22	11 40.35	− 2 32.7	1.528	2.521	2.6	18.3
4 1	11 31.43	− 1 41.8	1.533	2.503	7.0	18.5
4 11	11 23.96	− 0 55.1	1.563	2.485	11.5	18.8
4 21	11 18.70	− 0 18.4	1.615	2.466	15.4	18.9

34815 2001 SQ_{113} 3 16.5 90.°29 1.°7/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.95	− 6 14.6	1.780	2.590	15.1	19.1
2 21	12 3.58	− 5 45.5	1.707	2.600	11.6	18.8
3 2	11 57.09	− 4 57.7	1.657	2.609	7.6	18.6
3 12	11 49.23	− 3 54.9	1.632	2.618	3.3	18.4
3 22	11 40.93	− 2 43.6	1.635	2.628	2.5	18.3
4 1	11 33.24	− 1 31.4	1.667	2.637	6.5	18.6
4 11	11 27.05	− 0 25.8	1.724	2.646	10.5	18.9
4 21	11 22.96	+ 0 27.5	1.805	2.655	14.0	19.1

429712 2011 JF_1 3 16.5 339.°48 2.°2/18.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.86	− 4 22.2	1.292	2.137	17.7	19.8
2 21	12 0.74	− 4 27.0	1.203	2.115	13.8	19.5
3 2	11 55.89	− 4 11.2	1.134	2.094	9.1	19.2
3 12	11 48.99	− 3 37.0	1.087	2.075	4.1	18.8
3 22	11 41.15	− 2 49.9	1.064	2.057	3.2	18.7
4 1	11 33.75	− 1 58.3	1.065	2.041	8.3	19.0
4 11	11 28.16	− 1 11.7	1.089	2.027	13.6	19.2
4 21	11 25.28	− 0 37.6	1.131	2.014	18.3	19.4

221159 2005 TD_{105} 3 16.5 132.°02 0.°1/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.61	− 0 41.8	2.357	3.165	11.9	21.9
2 21	12 5.74	− 0 20.1	2.286	3.181	8.9	21.7
3 2	11 58.16	+ 0 11.5	2.239	3.197	5.5	21.5
3 12	11 49.54	+ 0 49.4	2.222	3.212	1.8	21.3
3 22	11 40.62	+ 1 29.4	2.235	3.227	2.0	21.3
4 1	11 32.22	+ 2 6.6	2.278	3.240	5.7	21.6
4 11	11 25.08	+ 2 37.1	2.349	3.254	9.0	21.8
4 21	11 19.68	+ 2 58.1	2.445	3.266	11.8	22.0

510758 2012 XJ_{128} 3 16.5 156.°62 3.°0/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.26	−12 37.0	3.110	3.860	10.6	22.5
2 21	12 1.55	−12 29.1	3.020	3.868	8.5	22.3
3 2	11 55.55	−12 7.3	2.954	3.875	6.2	22.2
3 12	11 48.72	−11 32.9	2.915	3.881	4.0	22.0
3 22	11 41.60	−10 48.4	2.907	3.888	3.0	22.0
4 1	11 34.80	− 9 57.5	2.929	3.893	4.4	22.1
4 11	11 28.86	− 9 4.5	2.980	3.898	6.7	22.2
4 21	11 24.19	− 8 13.6	3.057	3.903	9.0	22.4

290086 2005 QL_{95} 3 16.5 190.°56 0.°2/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.75	− 0 26.7	2.697	3.506	10.5	20.9
2 21	12 2.82	− 0 13.3	2.609	3.505	7.9	20.8
3 2	11 56.40	+ 0 8.6	2.546	3.504	4.9	20.6
3 12	11 49.00	+ 0 36.3	2.513	3.503	1.6	20.3
3 22	11 41.25	+ 1 6.3	2.509	3.501	1.8	20.3
4 1	11 33.86	+ 1 34.8	2.536	3.499	5.1	20.6
4 11	11 27.44	+ 1 58.3	2.591	3.497	8.1	20.8
4 21	11 22.48	+ 2 14.0	2.670	3.495	10.8	20.9

272114 2005 JU_{185} 3 16.5 290.°07 2.°9/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.10	− 6 1.7	1.264	2.092	19.0	20.2
2 21	12 7.02	− 6 10.1	1.180	2.081	14.9	19.9
3 2	11 59.79	− 5 55.8	1.116	2.071	10.1	19.6
3 12	11 50.24	− 5 20.7	1.075	2.061	4.9	19.2
3 22	11 39.64	− 4 30.0	1.059	2.051	3.7	19.1
4 1	11 29.63	− 3 32.6	1.067	2.041	8.8	19.4
4 11	11 21.71	− 2 38.8	1.099	2.031	14.1	19.6
4 21	11 16.84	− 1 56.7	1.150	2.022	18.9	19.9

129209 Robertburt 3 16.5 232.°30 3.°4/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.36	+ 9 59.3	2.455	3.297	10.4	20.3
2 21	12 1.22	+11 7.0	2.377	3.293	7.6	20.1
3 2	11 55.49	+12 19.1	2.325	3.288	4.9	19.9
3 12	11 48.73	+13 29.3	2.302	3.282	3.4	19.8
3 22	11 41.59	+14 31.7	2.309	3.277	4.9	19.9
4 1	11 34.83	+15 21.3	2.344	3.271	7.7	20.1
4 11	11 29.12	+15 54.7	2.404	3.266	10.5	20.2
4 21	11 24.96	+16 10.9	2.487	3.260	13.0	20.4

30881 Robertstevenson 3 16.5 271.°59 0.°5/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.12	− 1 58.1	1.885	2.704	14.0	19.7
2 21	12 4.61	− 1 37.2	1.786	2.687	10.7	19.5
3 2	11 57.88	− 1 1.6	1.710	2.669	6.7	19.2
3 12	11 49.56	− 0 15.0	1.660	2.650	2.3	18.9
3 22	11 40.51	+ 0 37.4	1.639	2.632	2.4	18.8
4 1	11 31.81	+ 1 29.0	1.646	2.613	7.0	19.1
4 11	11 24.48	+ 2 13.2	1.679	2.594	11.3	19.3
4 21	11 19.23	+ 2 45.4	1.735	2.575	15.0	19.5

266536 2008 FN_{68} 3 16.5 82.°12 3.°8/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.85	−14 23.7	1.751	2.527	16.7	20.3
2 21	12 2.76	−13 32.9	1.681	2.545	13.3	20.1
3 2	11 56.58	−12 14.6	1.632	2.564	9.5	19.9
3 12	11 49.07	−10 32.6	1.609	2.583	5.6	19.7
3 22	11 41.21	− 8 34.4	1.614	2.601	3.8	19.7
4 1	11 34.03	− 6 30.3	1.648	2.619	6.4	19.9
4 11	11 28.40	− 4 31.1	1.708	2.637	10.2	20.1
4 21	11 24.88	− 2 45.4	1.793	2.655	13.6	20.4

99771 2002 JE_{110} 3 16.5 281.°95 0.°1/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.82	− 0 6.0	1.556	2.390	15.8	20.1
2 21	12 6.24	+ 0 9.3	1.469	2.378	11.9	19.8
3 2	11 59.04	+ 0 39.2	1.403	2.366	7.4	19.5
3 12	11 49.95	+ 1 19.3	1.363	2.354	2.4	19.2
3 22	11 40.06	+ 2 3.5	1.350	2.342	2.9	19.2
4 1	11 30.67	+ 2 44.2	1.363	2.330	8.1	19.5
4 11	11 23.00	+ 3 14.9	1.401	2.318	12.9	19.7
4 21	11 17.85	+ 3 31.1	1.460	2.306	17.0	19.9

12302 1991 RV_{17} 3 16.5 198.°93 0.°5/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.00	− 2 27.2	2.138	2.946	13.0	19.7
2 21	12 5.65	− 2 0.9	2.048	2.943	9.8	19.4
3 2	11 58.32	− 1 21.2	1.982	2.938	6.2	19.2
3 12	11 49.65	− 0 31.8	1.944	2.933	2.2	18.9
3 22	11 40.47	+ 0 22.3	1.935	2.928	2.2	18.9
4 1	11 31.70	+ 1 15.1	1.956	2.921	6.2	19.2
4 11	11 24.23	+ 2 1.2	2.005	2.914	10.0	19.4
4 21	11 18.64	+ 2 36.3	2.077	2.906	13.3	19.6

254582 2005 GM_{43} 3 16.5 275.°81 3.°4/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.51	+ 7 21.0	1.613	2.462	14.5	20.9
2 21	12 5.89	+ 8 9.2	1.531	2.451	10.8	20.7
3 2	11 58.75	+ 9 6.1	1.473	2.439	6.7	20.4
3 12	11 49.84	+10 4.0	1.440	2.428	3.5	20.2
3 22	11 40.23	+10 54.7	1.435	2.416	5.4	20.2
4 1	11 31.16	+11 30.9	1.456	2.404	9.7	20.5
4 11	11 23.78	+11 47.8	1.501	2.393	13.9	20.7
4 21	11 18.83	+11 44.1	1.566	2.381	17.5	20.9

6681 Prokopovich 3 16.5 191.°55 2.°3/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.77	+ 4 56.7	1.689	2.525	14.6	17.8
2 21	12 8.13	+ 5 40.6	1.612	2.524	10.8	17.5
3 2	12 0.01	+ 6 34.4	1.558	2.523	6.5	17.3
3 12	11 50.21	+ 7 31.4	1.531	2.521	2.6	17.0
3 22	11 39.81	+ 8 24.0	1.533	2.518	4.4	17.1
4 1	11 30.04	+ 9 5.1	1.562	2.514	8.8	17.4
4 11	11 21.98	+ 9 29.7	1.616	2.510	12.9	17.6
4 21	11 16.34	+ 9 36.1	1.692	2.505	16.5	17.8

156161 2001 TZ_{111} 3 16.5 257.°94 4.°4/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.41	−12 13.0	1.648	2.435	17.1	20.3
2 21	12 5.23	−12 5.7	1.547	2.418	13.9	20.1
3 2	11 58.48	−11 32.6	1.466	2.401	10.0	19.8
3 12	11 49.81	−10 34.3	1.409	2.383	6.1	19.5
3 22	11 40.22	− 9 14.6	1.378	2.365	4.5	19.4
4 1	11 30.99	− 7 41.8	1.375	2.346	7.5	19.5
4 11	11 23.33	− 6 6.4	1.397	2.326	11.9	19.7
4 21	11 18.12	− 4 38.3	1.442	2.307	16.1	19.9

37728 1996 TG_{39} 3 16.5 176.°69 1.°1/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.91	+ 2 41.7	2.108	2.928	12.7	19.6
2 21	12 7.01	+ 3 16.9	2.027	2.931	9.4	19.4
3 2	11 59.11	+ 4 1.4	1.971	2.933	5.7	19.2
3 12	11 49.89	+ 4 50.5	1.944	2.935	1.8	18.9
3 22	11 40.23	+ 5 38.3	1.947	2.936	3.0	19.0
4 1	11 31.08	+ 6 19.5	1.980	2.935	6.9	19.2
4 11	11 23.30	+ 6 49.4	2.039	2.934	10.6	19.5
4 21	11 17.50	+ 7 5.8	2.122	2.932	13.7	19.7

141120 2001 XT_{81} 3 16.5 97.°56 0.°6/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.47	+ 0 14.0	1.827	2.656	13.9	20.0
2 21	12 3.91	+ 0 55.6	1.756	2.665	10.4	19.8
3 2	11 57.28	+ 1 50.1	1.710	2.673	6.3	19.6
3 12	11 49.32	+ 2 52.1	1.690	2.681	1.9	19.3
3 22	11 40.95	+ 3 54.8	1.698	2.689	2.8	19.4
4 1	11 33.18	+ 4 51.2	1.735	2.697	7.1	19.7
4 11	11 26.88	+ 5 35.7	1.797	2.705	11.0	19.9
4 21	11 22.64	+ 6 4.9	1.882	2.713	14.4	20.2

296089 2009 BK_{17} 3 16.5 303.°90 4.°6/10.9 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.65	+12 24.7	2.116	2.967	11.4	20.3
2 21	12 1.68	+13 41.3	2.043	2.961	8.5	20.1
3 2	11 55.89	+15 1.1	1.995	2.956	5.8	19.9
3 12	11 48.89	+16 16.5	1.976	2.950	4.6	19.8
3 22	11 41.46	+17 20.3	1.985	2.945	6.3	19.9
4 1	11 34.48	+18 6.9	2.020	2.940	9.2	20.1
4 11	11 28.74	+18 33.0	2.081	2.935	12.2	20.3
4 21	11 24.79	+18 38.4	2.162	2.930	14.8	20.4

360551 2003 SS_{328} 3 16.5 259.°46 1.°1/15.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.87	+ 1 43.9	1.710	2.543	14.6	21.9
2 21	12 6.13	+ 2 19.5	1.616	2.527	11.0	21.6
3 2	11 58.92	+ 3 8.6	1.546	2.510	6.7	21.3
3 12	11 49.92	+ 4 5.9	1.502	2.493	2.1	21.0
3 22	11 40.14	+ 5 4.2	1.485	2.475	3.4	21.1
4 1	11 30.76	+ 5 56.1	1.496	2.457	8.3	21.3
4 11	11 22.93	+ 6 34.8	1.533	2.438	12.7	21.5
4 21	11 17.44	+ 6 56.6	1.591	2.420	16.6	21.7

130761 2000 SW_{281} 3 16.5 64.°89 4.°5/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.97	−11 34.9	1.466	2.265	18.3	19.7
2 21	12 4.86	−11 33.9	1.392	2.271	14.6	19.4
3 2	11 58.14	−11 6.6	1.338	2.277	10.4	19.2
3 12	11 49.65	−10 14.7	1.308	2.283	6.3	19.0
3 22	11 40.54	− 9 3.6	1.302	2.289	4.6	18.9
4 1	11 32.11	− 7 42.0	1.323	2.295	7.6	19.1
4 11	11 25.53	− 6 20.7	1.369	2.302	11.8	19.3
4 21	11 21.51	− 5 8.6	1.437	2.308	15.8	19.6

370819 2004 TP_{346} 3 16.5 127.°51 1.°1/15.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.10	+ 3 31.2	2.368	3.189	11.5	21.9
2 21	12 5.36	+ 3 59.0	2.300	3.204	8.4	21.7
3 2	11 57.95	+ 4 33.9	2.257	3.219	5.0	21.5
3 12	11 49.50	+ 5 11.4	2.243	3.234	1.7	21.3
3 22	11 40.78	+ 5 47.1	2.259	3.247	2.7	21.4
4 1	11 32.60	+ 6 16.6	2.306	3.261	6.1	21.7
4 11	11 25.65	+ 6 36.7	2.380	3.274	9.3	21.9
4 21	11 20.41	+ 6 45.4	2.477	3.286	12.0	22.1

500524 2012 TO_{308} 3 16.5 124.°69 0.°7/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.17	− 1 44.9	2.748	3.547	10.6	21.8
2 21	12 4.49	− 1 41.6	2.671	3.561	8.0	21.7
3 2	11 57.36	− 1 29.6	2.620	3.574	5.0	21.5
3 12	11 49.32	− 1 11.4	2.599	3.588	1.9	21.3
3 22	11 41.01	− 0 50.0	2.608	3.601	1.7	21.3
4 1	11 33.12	− 0 28.7	2.648	3.613	4.8	21.5
4 11	11 26.28	− 0 10.9	2.717	3.625	7.7	21.7
4 21	11 20.92	+ 0 0.9	2.811	3.637	10.3	21.9

362071 2009 BD_{76} 3 16.5 296.°89 6.°4/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.33	−13 20.3	1.509	2.294	18.5	20.5
2 21	12 6.83	−14 4.2	1.421	2.287	15.3	20.3
3 2	11 59.53	−14 24.6	1.353	2.279	11.5	20.1
3 12	11 50.16	−14 19.7	1.308	2.272	7.9	19.8
3 22	11 39.86	−13 51.0	1.287	2.265	6.4	19.7
4 1	11 30.05	−13 3.8	1.292	2.258	8.6	19.8
4 11	11 22.05	−12 7.1	1.321	2.251	12.4	20.0
4 21	11 16.75	−11 10.4	1.372	2.245	16.3	20.2

170060 2002 VP_{83} 3 16.5 40.°45 7.°0/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.94	−21 35.6	1.828	2.563	17.5	19.3
2 21	12 1.39	−21 38.3	1.760	2.582	14.8	19.1
3 2	11 55.78	−21 12.0	1.712	2.603	11.8	19.0
3 12	11 48.86	−20 16.9	1.685	2.624	8.9	18.8
3 22	11 41.58	−18 56.9	1.684	2.645	7.1	18.8
4 1	11 34.93	−17 19.2	1.709	2.667	7.7	18.8
4 11	11 29.79	−15 33.7	1.761	2.689	9.9	19.0
4 21	11 26.70	−13 50.2	1.836	2.712	12.7	19.2

273047 2006 DP_{141} 3 16.5 92.°97 1.°2/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.40	+ 3 14.2	1.951	2.784	13.1	20.5
2 21	12 4.51	+ 3 42.9	1.878	2.789	9.7	20.3
3 2	11 57.62	+ 4 20.7	1.829	2.793	5.8	20.1
3 12	11 49.44	+ 5 2.4	1.807	2.798	1.9	19.8
3 22	11 40.85	+ 5 42.6	1.814	2.803	3.1	19.9
4 1	11 32.81	+ 6 15.6	1.849	2.807	7.1	20.2
4 11	11 26.19	+ 6 37.3	1.910	2.812	10.8	20.4
4 21	11 21.54	+ 6 45.4	1.993	2.816	14.0	20.6

497879 2006 UZ_{221} 3 16.5 129.°21 3.°5/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.08	−14 43.6	2.731	3.479	12.0	21.7
2 21	12 0.85	−14 19.5	2.645	3.490	9.7	21.6
3 2	11 55.20	−13 37.7	2.583	3.500	7.1	21.4
3 12	11 48.66	−12 40.1	2.547	3.510	4.7	21.3
3 22	11 41.82	−11 30.0	2.540	3.520	3.5	21.2
4 1	11 35.36	−10 12.4	2.563	3.529	4.9	21.3
4 11	11 29.88	− 8 53.2	2.615	3.538	7.4	21.5
4 21	11 25.81	− 7 37.8	2.694	3.547	9.9	21.6

5987 Liviogratton 3 16.5 240.°53 0.°7/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.73	− 0 15.4	1.868	2.694	13.8	17.9
2 21	12 4.29	+ 0 35.0	1.776	2.683	10.4	17.7
3 2	11 57.66	+ 1 40.5	1.708	2.671	6.3	17.4
3 12	11 49.51	+ 2 55.9	1.667	2.658	1.9	17.1
3 22	11 40.72	+ 4 13.9	1.655	2.645	3.0	17.1
4 1	11 32.35	+ 5 26.5	1.671	2.632	7.5	17.4
4 11	11 25.36	+ 6 26.8	1.713	2.618	11.7	17.6
4 21	11 20.45	+ 7 10.3	1.778	2.604	15.3	17.8

348792 2006 PA_{30} 3 16.5 197.°61 2.°5/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.66	+ 5 28.0	2.157	2.989	12.0	21.8
2 21	12 4.63	+ 6 37.3	2.074	2.986	8.8	21.6
3 2	11 57.69	+ 7 55.6	2.018	2.982	5.3	21.3
3 12	11 49.48	+ 9 16.2	1.990	2.977	2.6	21.1
3 22	11 40.80	+10 32.1	1.992	2.972	4.2	21.2
4 1	11 32.54	+11 36.6	2.023	2.965	7.8	21.4
4 11	11 25.56	+12 24.9	2.080	2.958	11.2	21.6
4 21	11 20.41	+12 54.9	2.160	2.950	14.1	21.8

379455 2010 CP_{141} 3 16.5 23.°38 1.°3/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.02	+ 2 4.6	1.618	2.463	14.7	20.5
2 21	12 2.31	+ 2 44.8	1.554	2.471	10.8	20.3
3 2	11 56.40	+ 3 37.2	1.513	2.479	6.5	20.1
3 12	11 49.08	+ 4 35.6	1.497	2.488	2.0	19.8
3 22	11 41.34	+ 5 32.5	1.508	2.498	3.4	19.9
4 1	11 34.26	+ 6 20.7	1.546	2.508	7.9	20.2
4 11	11 28.77	+ 6 54.6	1.609	2.519	11.9	20.5
4 21	11 25.45	+ 7 11.7	1.692	2.531	15.4	20.7

199954 2007 HP_{28} 3 16.5 284.°42 1.°6/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.82	− 7 14.6	1.942	2.746	14.2	21.4
2 21	12 2.19	− 6 29.6	1.831	2.720	11.1	21.2
3 2	11 56.45	− 5 22.9	1.743	2.694	7.4	20.9
3 12	11 49.17	− 3 57.5	1.681	2.667	3.3	20.6
3 22	11 41.14	− 2 19.5	1.648	2.640	2.4	20.5
4 1	11 33.36	− 0 37.2	1.643	2.613	6.6	20.7
4 11	11 26.81	+ 1 0.0	1.665	2.586	11.0	20.9
4 21	11 22.23	+ 2 24.5	1.711	2.558	14.9	21.0

98868 2001 BS_5 3 16.5 111.°82 6.°5/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.96	+18 8.9	2.010	2.860	12.0	19.4
2 21	12 4.16	+19 34.6	1.956	2.868	9.3	19.3
3 2	11 57.39	+20 57.4	1.928	2.875	7.1	19.1
3 12	11 49.37	+22 8.7	1.926	2.882	6.6	19.1
3 22	11 41.01	+23 1.4	1.952	2.889	8.2	19.2
4 1	11 33.27	+23 31.1	2.005	2.896	10.7	19.4
4 11	11 26.99	+23 36.5	2.080	2.903	13.4	19.6
4 21	11 22.70	+23 19.5	2.174	2.910	15.7	19.8

157963 2000 EO_{129} 3 16.5 58.°72 2.°0/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.43	+ 1 18.7	1.282	2.134	17.3	19.7
2 21	12 4.62	+ 2 28.6	1.220	2.141	12.8	19.4
3 2	11 58.05	+ 3 56.6	1.180	2.148	7.6	19.2
3 12	11 49.64	+ 5 33.2	1.165	2.156	2.6	18.9
3 22	11 40.67	+ 7 6.7	1.175	2.164	4.6	19.0
4 1	11 32.55	+ 8 26.0	1.211	2.172	9.8	19.3
4 11	11 26.46	+ 9 23.0	1.270	2.180	14.5	19.6
4 21	11 23.08	+ 9 54.9	1.349	2.188	18.5	19.9

93920 2000 WN_{160} 3 16.5 165.°71 1.°9/14.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.02	+ 5 16.1	2.035	2.869	12.5	20.3
2 21	12 4.93	+ 5 51.9	1.959	2.871	9.3	20.1
3 2	11 57.87	+ 6 35.0	1.908	2.873	5.6	19.8
3 12	11 49.54	+ 7 20.2	1.885	2.874	2.2	19.6
3 22	11 40.78	+ 8 1.5	1.890	2.876	3.7	19.7
4 1	11 32.55	+ 8 33.8	1.925	2.877	7.4	20.0
4 11	11 25.69	+ 8 53.2	1.985	2.878	10.9	20.2
4 21	11 20.76	+ 8 58.0	2.068	2.878	14.0	20.4

504154 2006 SH_{257} 3 16.5 231.°08 2.°4/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.79	+ 9 16.6	2.659	3.487	10.1	21.7
2 21	12 5.14	+ 9 39.8	2.568	3.477	7.5	21.5
3 2	11 57.88	+10 5.7	2.505	3.466	4.7	21.3
3 12	11 49.53	+10 30.1	2.470	3.456	2.5	21.1
3 22	11 40.79	+10 49.1	2.467	3.445	3.7	21.2
4 1	11 32.40	+10 59.1	2.493	3.433	6.6	21.4
4 11	11 25.06	+10 57.9	2.546	3.422	9.5	21.5
4 21	11 19.29	+10 44.8	2.623	3.409	12.0	21.7

208378 2001 SU_{77} 3 16.5 88.°98 0.°3/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.52	+ 1 22.8	2.247	3.067	12.0	20.5
2 21	12 4.32	+ 1 35.9	2.174	3.077	8.9	20.3
3 2	11 57.40	+ 1 57.5	2.126	3.087	5.4	20.1
3 12	11 49.37	+ 2 24.1	2.106	3.097	1.6	19.9
3 22	11 41.02	+ 2 51.3	2.116	3.107	2.3	19.9
4 1	11 33.17	+ 3 15.0	2.155	3.117	6.0	20.2
4 11	11 26.58	+ 3 31.5	2.221	3.127	9.3	20.4
4 21	11 21.73	+ 3 38.4	2.311	3.137	12.2	20.6

413175 2002 QS_{96} 3 16.5 189.°53 1.°8/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.68	+ 4 4.5	2.128	2.955	12.3	22.8
2 21	12 5.38	+ 4 53.5	2.046	2.955	9.1	22.6
3 2	11 58.16	+ 5 51.6	1.989	2.953	5.5	22.4
3 12	11 49.64	+ 6 53.1	1.961	2.951	2.1	22.2
3 22	11 40.66	+ 7 51.8	1.963	2.948	3.5	22.3
4 1	11 32.15	+ 8 41.6	1.993	2.944	7.3	22.5
4 11	11 24.95	+ 9 18.2	2.051	2.940	10.8	22.7
4 21	11 19.63	+ 9 39.1	2.131	2.935	13.8	22.9

245464 2005 MR_{30} 3 16.5 246.°25 2.°0/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.88	+ 4 46.5	2.477	3.310	10.6	20.7
2 21	12 0.90	+ 5 48.4	2.389	3.301	7.8	20.5
3 2	11 55.35	+ 6 58.6	2.328	3.293	4.7	20.3
3 12	11 48.75	+ 8 11.7	2.295	3.284	2.1	20.1
3 22	11 41.76	+ 9 21.8	2.292	3.274	3.5	20.2
4 1	11 35.09	+10 23.4	2.319	3.265	6.7	20.4
4 11	11 29.43	+11 12.0	2.372	3.256	9.8	20.6
4 21	11 25.27	+11 45.2	2.449	3.246	12.5	20.7

190419 1999 VO_{54} 3 16.5 164.°28 0.°8/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.91	− 4 6.5	2.564	3.362	11.3	21.4
2 21	12 3.01	− 3 35.8	2.479	3.367	8.6	21.2
3 2	11 56.56	− 2 52.8	2.420	3.372	5.5	21.0
3 12	11 49.12	− 2 0.7	2.389	3.377	2.1	20.8
3 22	11 41.33	− 1 4.0	2.388	3.381	1.8	20.8
4 1	11 33.94	− 0 7.5	2.418	3.384	5.1	21.0
4 11	11 27.59	+ 0 43.9	2.476	3.387	8.3	21.2
4 21	11 22.76	+ 1 26.5	2.560	3.389	11.0	21.4

281937 2011 FZ_{142} 3 16.5 330.°09 1.°2/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.14	− 4 49.2	1.657	2.483	15.3	20.1
2 21	12 1.09	− 4 15.0	1.569	2.471	11.8	19.9
3 2	11 55.81	− 3 20.6	1.502	2.460	7.6	19.6
3 12	11 48.96	− 2 10.2	1.461	2.450	3.0	19.3
3 22	11 41.48	− 0 50.6	1.447	2.440	2.5	19.2
4 1	11 34.44	+ 0 29.4	1.460	2.431	7.2	19.5
4 11	11 28.88	+ 1 41.2	1.497	2.422	11.6	19.7
4 21	11 25.47	+ 2 38.2	1.557	2.414	15.5	19.9

120775 1998 DB_{23} 3 16.5 161.°29 3.°9/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.25	−11 19.0	2.253	3.017	13.8	19.8
2 21	12 6.52	−11 39.2	2.165	3.022	11.1	19.6
3 2	11 58.84	−11 43.1	2.100	3.027	8.0	19.4
3 12	11 49.87	−11 30.9	2.062	3.031	5.1	19.2
3 22	11 40.40	−11 5.1	2.053	3.035	4.0	19.1
4 1	11 31.38	−10 29.7	2.074	3.038	6.0	19.3
4 11	11 23.63	− 9 50.2	2.122	3.041	9.0	19.5
4 21	11 17.76	− 9 12.2	2.195	3.043	12.0	19.6

508044 2015 BY_{533} 3 16.5 213.°56 1.°6/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.70	+ 3 3.0	2.264	3.094	11.6	21.7
2 21	12 2.36	+ 4 4.1	2.178	3.089	8.5	21.5
3 2	11 56.29	+ 5 15.4	2.119	3.083	5.1	21.3
3 12	11 49.06	+ 6 31.3	2.087	3.077	1.9	21.1
3 22	11 41.39	+ 7 45.4	2.086	3.071	3.3	21.2
4 1	11 34.11	+ 8 51.3	2.113	3.065	6.9	21.4
4 11	11 27.96	+ 9 44.1	2.168	3.058	10.3	21.6
4 21	11 23.50	+10 20.9	2.245	3.051	13.2	21.7

174000 2001 XE_{233} 3 16.5 149.°01 1.°7/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.05	+ 5 39.8	2.638	3.467	10.2	20.9
2 21	12 2.31	+ 6 19.0	2.563	3.473	7.5	20.7
3 2	11 56.10	+ 7 3.8	2.514	3.478	4.5	20.5
3 12	11 48.96	+ 7 49.7	2.495	3.483	1.9	20.3
3 22	11 41.54	+ 8 32.1	2.505	3.488	3.1	20.4
4 1	11 34.51	+ 9 7.1	2.545	3.493	6.1	20.6
4 11	11 28.51	+ 9 31.4	2.612	3.497	8.9	20.8
4 21	11 23.97	+ 9 43.6	2.703	3.502	11.4	21.0

107056 2001 AC_4 3 16.5 62.°69 0.°2/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.58	− 2 32.9	1.429	2.264	16.8	19.1
2 21	12 4.45	− 1 48.0	1.366	2.276	12.6	18.9
3 2	11 57.82	− 0 43.9	1.326	2.288	7.8	18.7
3 12	11 49.56	+ 0 32.9	1.310	2.301	2.5	18.4
3 22	11 40.83	+ 1 53.5	1.321	2.313	2.9	18.4
4 1	11 32.90	+ 3 8.1	1.358	2.326	8.0	18.8
4 11	11 26.83	+ 4 8.6	1.420	2.339	12.6	19.1
4 21	11 23.24	+ 4 50.4	1.503	2.352	16.4	19.3

109514 2001 QB_{237} 3 16.5 244.°03 0.°2/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.63	− 0 21.1	1.894	2.717	13.8	20.5
2 21	12 4.91	+ 0 6.2	1.804	2.709	10.4	20.3
3 2	11 58.03	+ 0 46.6	1.738	2.699	6.4	20.0
3 12	11 49.65	+ 1 36.0	1.699	2.690	2.0	19.7
3 22	11 40.66	+ 2 28.4	1.689	2.680	2.6	19.8
4 1	11 32.10	+ 3 17.4	1.706	2.670	7.1	20.0
4 11	11 24.95	+ 3 57.0	1.750	2.660	11.2	20.2
4 21	11 19.87	+ 4 23.4	1.816	2.650	14.7	20.4

15964 Billgray 3 16.5 112.°96 13.°5/24.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.15	−23 33.4	1.276	2.006	24.0	18.2
2 21	12 15.70	−25 44.0	1.208	2.016	21.1	18.0
3 2	12 5.37	−27 23.3	1.157	2.026	17.9	17.8
3 12	11 52.12	−28 21.9	1.125	2.036	15.1	17.6
3 22	11 37.58	−28 34.8	1.115	2.046	13.6	17.6
4 1	11 23.85	−28 4.8	1.128	2.055	14.1	17.6
4 11	11 12.82	−27 3.1	1.162	2.063	16.3	17.8
4 21	11 5.59	−25 44.9	1.215	2.072	19.1	18.0

201182 2002 PR_{33} 3 16.5 73.°75 1.°3/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.08	− 4 19.0	2.138	2.938	13.2	20.1
2 21	12 5.40	− 4 8.1	2.082	2.970	10.0	19.9
3 2	11 57.98	− 3 44.2	2.050	3.001	6.4	19.7
3 12	11 49.54	− 3 10.5	2.046	3.032	2.7	19.5
3 22	11 40.90	− 2 31.5	2.071	3.063	2.1	19.6
4 1	11 32.92	− 1 52.1	2.126	3.093	5.6	19.8
4 11	11 26.34	− 1 17.3	2.208	3.123	8.9	20.1
4 21	11 21.59	− 0 50.5	2.314	3.153	11.8	20.3

257635 1999 TM_{218} 3 16.5 133.°97 0.°7/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.26	+ 1 5.2	1.959	2.780	13.5	21.8
2 21	12 6.57	+ 1 40.0	1.890	2.794	10.0	21.6
3 2	11 58.85	+ 2 25.9	1.845	2.807	6.0	21.3
3 12	11 49.85	+ 3 17.6	1.828	2.819	1.8	21.1
3 22	11 40.49	+ 4 9.1	1.841	2.831	2.8	21.2
4 1	11 31.75	+ 4 54.6	1.882	2.842	6.9	21.5
4 11	11 24.50	+ 5 29.1	1.950	2.852	10.6	21.7
4 21	11 19.30	+ 5 50.1	2.042	2.862	13.8	21.9

214113 2004 RP_{339} 3 16.5 222.°29 3.°9/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.21	+15 33.9	3.165	4.002	8.4	21.4
2 21	12 1.57	+16 29.4	3.084	3.992	6.4	21.2
3 2	11 55.62	+17 24.7	3.030	3.982	4.5	21.1
3 12	11 48.82	+18 14.9	3.006	3.971	3.9	21.0
3 22	11 41.71	+18 56.0	3.011	3.960	5.0	21.1
4 1	11 34.89	+19 24.5	3.046	3.949	7.1	21.2
4 11	11 28.92	+19 38.7	3.107	3.937	9.2	21.4
4 21	11 24.20	+19 38.3	3.190	3.925	11.1	21.5

491053 2011 QP_{58} 3 16.5 171.°83 0.°5/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.92	− 2 33.8	3.158	3.956	9.4	23.0
2 21	12 1.29	− 2 8.3	3.070	3.959	7.1	22.8
3 2	11 55.42	− 1 33.9	3.008	3.962	4.5	22.7
3 12	11 48.75	− 0 53.2	2.976	3.965	1.6	22.5
3 22	11 41.82	− 0 9.5	2.974	3.967	1.5	22.5
4 1	11 35.18	+ 0 33.6	3.004	3.968	4.3	22.7
4 11	11 29.36	+ 1 12.5	3.062	3.969	7.0	22.8
4 21	11 24.75	+ 1 44.4	3.146	3.970	9.3	23.0

64552 2001 WE_{15} 3 16.5 85.°94 0.°9/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.08	+ 3 31.2	1.837	2.662	14.0	17.7
2 21	12 8.69	+ 3 37.1	1.775	2.682	10.4	17.6
3 2	12 0.13	+ 3 50.8	1.738	2.700	6.3	17.3
3 12	11 50.25	+ 4 8.0	1.728	2.719	1.9	17.1
3 22	11 40.06	+ 4 23.8	1.748	2.738	3.0	17.2
4 1	11 30.65	+ 4 34.0	1.796	2.756	7.1	17.5
4 11	11 22.93	+ 4 35.0	1.871	2.774	10.9	17.8
4 21	11 17.44	+ 4 25.4	1.968	2.792	14.1	18.0

195611 2002 LP_{12} 3 16.5 236.°90 4.°3/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.69	−15 4.6	2.360	3.112	13.5	20.4
2 21	12 2.44	−14 57.2	2.257	3.102	11.1	20.2
3 2	11 56.40	−14 29.9	2.175	3.092	8.4	20.0
3 12	11 49.12	−13 43.1	2.120	3.081	5.6	19.8
3 22	11 41.33	−12 39.7	2.092	3.070	4.3	19.7
4 1	11 33.85	−11 24.8	2.093	3.058	5.9	19.8
4 11	11 27.46	−10 5.3	2.122	3.047	8.7	19.9
4 21	11 22.75	− 8 48.0	2.177	3.035	11.7	20.1

497247 2005 GA_{25} 3 16.5 281.°69 0.°3/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.87	− 0 8.3	1.646	2.478	15.1	22.0
2 21	12 5.54	+ 0 18.1	1.548	2.457	11.5	21.7
3 2	11 58.67	+ 0 59.8	1.473	2.435	7.1	21.4
3 12	11 49.93	+ 1 52.5	1.423	2.414	2.2	21.0
3 22	11 40.31	+ 2 49.4	1.401	2.392	3.0	21.0
4 1	11 31.04	+ 3 42.9	1.405	2.371	8.1	21.3
4 11	11 23.33	+ 4 25.4	1.435	2.349	12.9	21.5
4 21	11 18.01	+ 4 52.3	1.486	2.327	17.0	21.7

145206 2005 JQ_{36} 3 16.5 299.°72 2.°9/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.47	− 7 29.0	1.539	2.354	16.8	20.0
2 21	12 3.94	− 7 23.1	1.439	2.332	13.3	19.7
3 2	11 57.79	− 6 54.9	1.361	2.311	9.1	19.4
3 12	11 49.68	− 6 6.1	1.306	2.289	4.6	19.1
3 22	11 40.61	− 5 1.5	1.277	2.268	3.4	18.9
4 1	11 31.88	− 3 49.1	1.274	2.247	7.7	19.1
4 11	11 24.75	− 2 38.7	1.296	2.226	12.6	19.3
4 21	11 20.12	− 1 38.7	1.339	2.206	17.0	19.6

151827 2003 FX_{106} 3 16.5 298.°26 1.°7/18.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.69	− 7 13.5	1.749	2.562	15.2	19.4
2 21	12 1.47	− 6 28.7	1.651	2.545	11.8	19.1
3 2	11 56.06	− 5 20.8	1.576	2.529	7.8	18.9
3 12	11 49.07	− 3 53.6	1.526	2.512	3.5	18.6
3 22	11 41.40	− 2 13.8	1.503	2.496	2.5	18.4
4 1	11 34.10	− 0 30.9	1.508	2.480	6.9	18.7
4 11	11 28.18	+ 1 5.2	1.539	2.464	11.4	18.9
4 21	11 24.38	+ 2 26.6	1.593	2.448	15.4	19.1

127158 2002 GM_{139} 3 16.5 163.°82 0.°2/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.93	+ 0 1.3	2.177	2.995	12.4	20.7
2 21	12 4.03	+ 0 30.5	2.096	2.998	9.3	20.5
3 2	11 57.31	+ 1 10.6	2.041	3.001	5.6	20.3
3 12	11 49.40	+ 1 57.5	2.013	3.004	1.7	20.0
3 22	11 41.08	+ 2 46.1	2.015	3.006	2.3	20.1
4 1	11 33.22	+ 3 30.9	2.045	3.008	6.2	20.3
4 11	11 26.62	+ 4 7.1	2.103	3.009	9.8	20.5
4 21	11 21.80	+ 4 31.7	2.185	3.011	12.8	20.7

505052 2011 SN_{38} 3 16.5 189.°78 1.°1/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.75	− 5 42.9	2.780	3.574	10.7	21.8
2 21	12 0.62	− 5 7.2	2.689	3.573	8.2	21.6
3 2	11 55.11	− 4 18.9	2.622	3.572	5.3	21.4
3 12	11 48.69	− 3 20.7	2.584	3.570	2.3	21.2
3 22	11 41.94	− 2 16.7	2.576	3.568	1.7	21.1
4 1	11 35.50	− 1 11.9	2.598	3.566	4.7	21.3
4 11	11 29.96	− 0 11.1	2.649	3.564	7.7	21.5
4 21	11 25.77	+ 0 41.8	2.726	3.561	10.3	21.7

95617 2002 GP_{7} 3 16.5 104.°52 5.°2/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.64	+15 4.9	1.936	2.781	12.6	18.6
2 21	12 6.94	+15 49.7	1.873	2.786	9.5	18.4
3 2	11 59.11	+16 33.3	1.834	2.791	6.6	18.2
3 12	11 49.96	+17 8.6	1.823	2.796	5.2	18.2
3 22	11 40.44	+17 29.5	1.840	2.801	6.7	18.3
4 1	11 31.60	+17 32.2	1.884	2.806	9.7	18.4
4 11	11 24.34	+17 15.6	1.953	2.810	12.7	18.6
4 21	11 19.22	+16 40.9	2.042	2.815	15.4	18.8

233425 2006 HR_{12} 3 16.5 218.°67 0.°3/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.09	− 2 9.5	2.026	2.845	13.2	21.4
2 21	12 2.83	− 1 37.1	1.943	2.844	9.9	21.2
3 2	11 56.67	− 0 50.7	1.884	2.843	6.2	20.9
3 12	11 49.23	+ 0 5.3	1.852	2.842	2.1	20.7
3 22	11 41.33	+ 1 5.5	1.848	2.841	2.2	20.7
4 1	11 33.88	+ 2 3.4	1.874	2.840	6.3	20.9
4 11	11 27.72	+ 2 53.1	1.925	2.839	10.1	21.1
4 21	11 23.42	+ 3 30.5	2.000	2.837	13.4	21.3

64912 2001 YY_{91} 3 16.5 161.°85 2.°5/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.04	+ 5 9.1	1.856	2.691	13.5	20.1
2 21	12 6.60	+ 6 8.2	1.785	2.697	10.0	19.9
3 2	11 58.99	+ 7 16.5	1.738	2.703	6.0	19.6
3 12	11 49.96	+ 8 27.0	1.719	2.708	2.7	19.4
3 22	11 40.48	+ 9 32.1	1.729	2.712	4.4	19.5
4 1	11 31.61	+10 24.9	1.768	2.716	8.3	19.8
4 11	11 24.29	+11 0.8	1.832	2.719	12.0	20.0
4 21	11 19.13	+11 18.1	1.918	2.721	15.2	20.2

498835 2008 WW_{30} 3 16.5 144.°94 3.°2/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.69	−10 46.6	2.328	3.102	13.1	22.4
2 21	12 3.06	−10 41.0	2.242	3.107	10.4	22.2
3 2	11 56.72	−10 18.5	2.180	3.112	7.4	22.0
3 12	11 49.24	− 9 40.7	2.144	3.117	4.4	21.8
3 22	11 41.36	− 8 51.1	2.136	3.122	3.2	21.7
4 1	11 33.89	− 7 54.6	2.158	3.126	5.5	21.9
4 11	11 27.58	− 6 57.2	2.207	3.130	8.5	22.1
4 21	11 22.95	− 6 4.3	2.281	3.134	11.4	22.3

1224 Fantasia 3 16.5 138.°17 4.°5/20.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.27	−13 27.4	1.875	2.642	16.1	15.7
2 21	12 6.82	−13 25.4	1.798	2.655	13.0	15.5
3 2	11 59.15	−13 0.6	1.741	2.667	9.4	15.3
3 12	11 50.03	−12 14.4	1.710	2.678	6.0	15.1
3 22	11 40.42	−11 10.7	1.707	2.689	4.5	15.1
4 1	11 31.43	− 9 56.6	1.732	2.699	6.7	15.2
4 11	11 24.00	− 8 40.3	1.785	2.709	10.1	15.4
4 21	11 18.77	− 7 29.4	1.861	2.717	13.4	15.7

466479 2013 UR_{6} 3 16.5 221.°48 0.°5/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.51	− 0 56.5	2.424	3.237	11.5	22.4
2 21	12 2.94	+ 0 2.6	2.326	3.226	8.6	22.2
3 2	11 56.67	+ 1 14.7	2.254	3.215	5.2	21.9
3 12	11 49.24	+ 2 35.2	2.212	3.202	1.6	21.7
3 22	11 41.35	+ 3 58.1	2.199	3.190	2.4	21.7
4 1	11 33.76	+ 5 17.0	2.217	3.176	6.1	21.9
4 11	11 27.22	+ 6 26.1	2.263	3.162	9.5	22.1
4 21	11 22.27	+ 7 21.5	2.334	3.147	12.5	22.3

191966 2005 VU_{17} 3 16.5 166.°99 0.°9/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.39	− 4 59.6	1.795	2.603	15.1	21.2
2 21	12 6.24	− 4 13.9	1.715	2.608	11.5	21.0
3 2	11 58.85	− 3 9.2	1.658	2.613	7.3	20.7
3 12	11 49.95	− 1 50.2	1.628	2.617	2.8	20.4
3 22	11 40.53	− 0 24.2	1.627	2.620	2.4	20.4
4 1	11 31.68	+ 1 0.4	1.655	2.622	6.9	20.7
4 11	11 24.40	+ 2 15.3	1.710	2.624	11.1	21.0
4 21	11 19.33	+ 3 15.1	1.788	2.625	14.8	21.2

470015 2006 RO_{7} 3 16.5 184.°25 0.°8/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.12	− 5 16.4	3.209	3.997	9.5	22.9
2 21	12 0.72	− 4 33.2	3.115	3.997	7.3	22.7
3 2	11 55.11	− 3 38.9	3.047	3.997	4.7	22.5
3 12	11 48.71	− 2 36.3	3.009	3.996	1.9	22.3
3 22	11 42.03	− 1 29.1	3.002	3.994	1.5	22.3
4 1	11 35.62	− 0 21.7	3.026	3.992	4.2	22.5
4 11	11 30.00	+ 0 41.6	3.080	3.989	6.9	22.7
4 21	11 25.56	+ 1 37.4	3.160	3.986	9.3	22.8

109411 2001 QV_{184} 3 16.5 68.°72 7.°1/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.32	−19 8.2	1.699	2.443	18.3	18.8
2 21	12 6.24	−19 34.6	1.637	2.469	15.3	18.7
3 2	11 58.83	−19 33.2	1.595	2.495	11.9	18.5
3 12	11 49.92	−19 3.5	1.575	2.520	8.8	18.4
3 22	11 40.62	−18 8.7	1.581	2.546	7.2	18.4
4 1	11 32.10	−16 55.9	1.614	2.571	8.1	18.5
4 11	11 25.34	−15 34.4	1.672	2.596	10.7	18.7
4 21	11 20.95	−14 13.8	1.753	2.621	13.6	18.9

208986 2003 AJ_{14} 3 16.5 90.°47 2.°2/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.93	− 8 46.4	2.285	3.073	12.9	20.5
2 21	12 1.72	− 8 19.3	2.209	3.086	10.0	20.3
3 2	11 55.87	− 7 35.7	2.156	3.098	6.8	20.1
3 12	11 48.98	− 6 38.3	2.130	3.110	3.5	19.9
3 22	11 41.77	− 5 31.9	2.133	3.123	2.5	19.9
4 1	11 35.01	− 4 22.4	2.165	3.135	5.3	20.1
4 11	11 29.42	− 3 15.8	2.225	3.147	8.5	20.3
4 21	11 25.46	− 2 17.3	2.309	3.159	11.4	20.5

243255 2007 WL_{60} 3 16.5 194.°98 3.°0/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.46	−10 35.6	2.460	3.233	12.5	20.9
2 21	12 2.11	−10 26.7	2.367	3.232	9.9	20.8
3 2	11 56.15	−10 1.7	2.298	3.231	7.0	20.6
3 12	11 49.09	− 9 22.1	2.255	3.230	4.2	20.4
3 22	11 41.62	− 8 31.3	2.242	3.228	3.0	20.3
4 1	11 34.50	− 7 33.8	2.258	3.226	5.2	20.4
4 11	11 28.43	− 6 35.6	2.301	3.224	8.2	20.6
4 21	11 23.94	− 5 41.6	2.370	3.222	11.1	20.8

284819 2008 YY_{165} 3 16.5 171.°84 4.°5/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.35	+14 16.1	2.437	3.281	10.4	21.2
2 21	12 2.73	+15 20.8	2.369	3.282	7.8	21.0
3 2	11 56.48	+16 26.0	2.327	3.283	5.4	20.9
3 12	11 49.18	+17 25.4	2.314	3.284	4.5	20.8
3 22	11 41.56	+18 13.4	2.330	3.285	5.9	20.9
4 1	11 34.38	+18 45.6	2.374	3.286	8.4	21.0
4 11	11 28.33	+19 0.1	2.442	3.286	11.0	21.2
4 21	11 23.90	+18 56.7	2.533	3.286	13.2	21.4

164525 2006 HF_{63} 3 16.5 213.°69 0.°5/16.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.15	+ 0 17.2	2.255	3.076	11.9	20.6
2 21	12 2.73	+ 0 55.4	2.169	3.073	8.9	20.4
3 2	11 56.56	+ 1 44.6	2.108	3.069	5.4	20.2
3 12	11 49.23	+ 2 40.5	2.074	3.065	1.6	19.9
3 22	11 41.48	+ 3 37.9	2.071	3.061	2.4	20.0
4 1	11 34.11	+ 4 31.0	2.096	3.057	6.2	20.2
4 11	11 27.89	+ 5 14.9	2.148	3.052	9.7	20.4
4 21	11 23.36	+ 5 46.3	2.224	3.048	12.7	20.6

347308 2011 QN_6 3 16.5 93.°18 4.°3/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.42	−14 41.8	2.354	3.109	13.5	20.6
2 21	12 2.14	−14 42.6	2.270	3.117	11.0	20.4
3 2	11 56.17	−14 24.5	2.208	3.124	8.2	20.3
3 12	11 49.11	−13 48.4	2.171	3.132	5.6	20.1
3 22	11 41.65	−12 57.2	2.163	3.140	4.3	20.0
4 1	11 34.62	−11 55.8	2.183	3.147	5.7	20.1
4 11	11 28.72	−10 50.5	2.230	3.155	8.4	20.3
4 21	11 24.47	− 9 47.3	2.303	3.162	11.1	20.5

497717 2006 SF_{134} 3 16.5 189.°07 1.°4/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.66	+ 5 19.0	2.929	3.749	9.5	22.4
2 21	12 3.43	+ 5 45.4	2.843	3.748	7.0	22.3
3 2	11 56.81	+ 6 16.6	2.784	3.747	4.2	22.1
3 12	11 49.29	+ 6 49.2	2.755	3.745	1.6	21.9
3 22	11 41.45	+ 7 19.5	2.757	3.742	2.6	22.0
4 1	11 33.95	+ 7 44.0	2.789	3.739	5.5	22.1
4 11	11 27.37	+ 8 0.1	2.849	3.736	8.2	22.3
4 21	11 22.16	+ 8 6.1	2.934	3.732	10.6	22.5

453908 2011 UB_{321} 3 16.5 80.°19 1.°8/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.67	− 5 21.4	1.503	2.319	17.1	21.6
2 21	12 7.32	− 5 2.8	1.446	2.342	13.1	21.4
3 2	11 59.51	− 4 24.6	1.411	2.365	8.4	21.2
3 12	11 50.16	− 3 31.3	1.401	2.388	3.6	21.0
3 22	11 40.46	− 2 29.9	1.418	2.410	2.7	21.0
4 1	11 31.65	− 1 28.6	1.462	2.432	7.2	21.3
4 11	11 24.75	− 0 35.3	1.532	2.454	11.6	21.6
4 21	11 20.36	+ 0 5.0	1.623	2.476	15.2	21.9

70151 1999 NL_{32} 3 16.5 307.°31 2.°4/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.40	+ 3 15.6	1.343	2.198	16.5	18.5
2 21	12 4.19	+ 4 6.1	1.253	2.176	12.4	18.2
3 2	11 58.11	+ 5 13.4	1.185	2.154	7.5	17.9
3 12	11 49.88	+ 6 30.0	1.141	2.132	2.8	17.5
3 22	11 40.64	+ 7 45.8	1.122	2.110	4.9	17.6
4 1	11 31.84	+ 8 50.1	1.129	2.089	10.3	17.8
4 11	11 24.87	+ 9 34.2	1.157	2.068	15.5	18.0
4 21	11 20.67	+ 9 53.9	1.205	2.048	20.0	18.3

412068 2013 ED_{102} 3 16.5 315.°44 5.°0/12.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.24	+ 9 26.4	1.252	2.119	16.6	20.5
2 21	12 5.73	+10 20.3	1.171	2.099	12.5	20.2
3 2	11 59.13	+11 23.5	1.111	2.079	8.0	19.9
3 12	11 50.21	+12 25.9	1.075	2.060	5.0	19.6
3 22	11 40.28	+13 16.4	1.063	2.041	7.4	19.7
4 1	11 30.92	+13 45.6	1.075	2.023	12.2	19.9
4 11	11 23.62	+13 48.0	1.107	2.006	17.1	20.1
4 21	11 19.33	+13 23.4	1.157	1.989	21.4	20.4

167791 2005 AM_{41} 3 16.5 274.°92 0.°5/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.25	− 2 29.8	2.024	2.842	13.2	20.3
2 21	12 2.99	− 2 3.0	1.940	2.840	10.0	20.1
3 2	11 56.81	− 1 22.3	1.879	2.837	6.3	19.8
3 12	11 49.35	− 0 31.6	1.846	2.835	2.2	19.5
3 22	11 41.40	+ 0 23.8	1.841	2.833	2.2	19.5
4 1	11 33.90	+ 1 17.8	1.864	2.831	6.3	19.8
4 11	11 27.68	+ 2 4.5	1.914	2.829	10.1	20.0
4 21	11 23.33	+ 2 39.7	1.987	2.827	13.4	20.2

176640 2002 NP_6 3 16.5 216.°73 0.°2/16.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.24	− 0 45.4	2.018	2.836	13.3	21.9
2 21	12 5.29	− 0 7.6	1.927	2.828	10.0	21.6
3 2	11 58.27	+ 0 43.7	1.860	2.820	6.1	21.4
3 12	11 49.83	+ 1 44.0	1.820	2.811	1.9	21.1
3 22	11 40.81	+ 2 47.3	1.810	2.802	2.5	21.1
4 1	11 32.21	+ 3 47.0	1.829	2.792	6.8	21.4
4 11	11 24.93	+ 4 37.0	1.875	2.781	10.7	21.6
4 21	11 19.62	+ 5 13.3	1.944	2.770	14.2	21.8

61800 2000 QU_{184} 3 16.5 78.°14 5.°6/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.09	+12 42.8	1.749	2.605	13.2	18.9
2 21	12 3.72	+14 26.1	1.701	2.621	9.8	18.7
3 2	11 57.24	+16 11.4	1.678	2.637	6.8	18.5
3 12	11 49.45	+17 48.4	1.682	2.653	5.7	18.5
3 22	11 41.35	+19 8.1	1.714	2.669	7.6	18.6
4 1	11 33.95	+20 4.2	1.772	2.685	10.6	18.9
4 11	11 28.14	+20 34.3	1.853	2.701	13.7	19.1
4 21	11 24.45	+20 39.5	1.954	2.717	16.3	19.3

372632 2009 VU_{72} 3 16.5 163.°05 6.°2/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.69	+17 59.0	2.070	2.916	11.9	20.7
2 21	12 5.47	+19 14.5	2.010	2.920	9.2	20.6
3 2	11 58.27	+20 27.4	1.975	2.923	6.9	20.4
3 12	11 49.79	+21 29.6	1.967	2.925	6.3	20.4
3 22	11 40.93	+22 14.5	1.987	2.927	7.8	20.5
4 1	11 32.66	+22 37.6	2.034	2.929	10.4	20.6
4 11	11 25.84	+22 37.7	2.104	2.931	13.1	20.8
4 21	11 21.01	+22 16.3	2.194	2.932	15.5	21.0

65760 1994 PD_{21} 3 16.5 171.°29 1.°1/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.09	+ 1 47.8	2.411	3.234	11.2	20.3
2 21	12 2.55	+ 2 46.2	2.331	3.237	8.3	20.1
3 2	11 56.39	+ 3 54.5	2.277	3.240	4.9	19.9
3 12	11 49.19	+ 5 7.7	2.251	3.242	1.6	19.6
3 22	11 41.63	+ 6 19.9	2.256	3.243	2.8	19.7
4 1	11 34.47	+ 7 25.3	2.291	3.245	6.2	19.9
4 11	11 28.41	+ 8 19.1	2.353	3.245	9.4	20.1
4 21	11 23.92	+ 8 58.6	2.439	3.246	12.2	20.3

518640 2008 KZ_5 3 16.5 218.°79 2.°7/14.0 18 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.43	+ 3 52.8	1.812	2.635	14.3	24.3
2 21	12 11.05	+ 5 14.6	1.715	2.621	10.7	24.0
3 2	12 2.04	+ 6 51.2	1.643	2.605	6.5	23.8
3 12	11 51.10	+ 8 34.5	1.599	2.588	2.9	23.5
3 22	11 39.26	+10 14.7	1.587	2.568	4.9	23.6
4 1	11 27.81	+11 41.9	1.604	2.547	9.4	23.8
4 11	11 17.95	+12 48.7	1.647	2.523	13.7	24.0
4 21	11 10.53	+13 32.1	1.713	2.498	17.5	24.2

505926 2015 EH_{65} 3 16.5 282.°47 5.°9/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.86	+19 4.1	2.270	3.110	11.2	20.7
2 21	12 6.37	+19 51.2	2.184	3.090	8.8	20.5
3 2	11 58.87	+20 35.3	2.124	3.070	6.6	20.4
3 12	11 50.01	+21 9.4	2.091	3.050	5.9	20.3
3 22	11 40.63	+21 27.8	2.087	3.030	7.4	20.3
4 1	11 31.67	+21 26.8	2.110	3.010	9.9	20.5
4 11	11 24.01	+21 5.1	2.157	2.989	12.6	20.6
4 21	11 18.27	+20 24.1	2.225	2.969	15.1	20.7

357142 2002 AE_{193} 3 16.5 83.°07 3.°3/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.28	+ 5 58.0	1.430	2.280	16.0	21.4
2 21	12 7.14	+ 7 4.2	1.380	2.299	11.7	21.2
3 2	11 59.44	+ 8 19.7	1.352	2.319	7.1	21.0
3 12	11 50.17	+ 9 35.2	1.350	2.338	3.5	20.8
3 22	11 40.55	+10 41.0	1.375	2.357	5.4	21.0
4 1	11 31.87	+11 29.5	1.426	2.375	9.7	21.3
4 11	11 25.19	+11 56.4	1.501	2.394	13.8	21.6
4 21	11 21.08	+12 1.2	1.596	2.412	17.2	21.8

413839 2006 SK_{108} 3 16.5 157.°22 0.°3/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.10	− 1 52.4	2.237	3.044	12.5	23.2
2 21	12 5.60	− 1 21.0	2.158	3.053	9.4	23.0
3 2	11 58.29	− 0 37.6	2.104	3.061	5.8	22.8
3 12	11 49.80	+ 0 14.1	2.078	3.068	1.9	22.6
3 22	11 40.93	+ 1 8.9	2.082	3.075	2.1	22.6
4 1	11 32.55	+ 2 1.2	2.117	3.080	5.9	22.8
4 11	11 25.44	+ 2 45.9	2.179	3.085	9.4	23.1
4 21	11 20.12	+ 3 19.6	2.265	3.089	12.5	23.3

96507 1998 QX_1 3 16.5 129.°36 1.°8/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.33	− 7 10.4	2.780	3.558	11.1	20.2
2 21	12 3.93	− 6 55.5	2.704	3.576	8.6	20.0
3 2	11 57.11	− 6 28.2	2.652	3.594	5.7	19.9
3 12	11 49.40	− 5 50.9	2.630	3.611	2.9	19.7
3 22	11 41.44	− 5 7.0	2.638	3.628	2.1	19.6
4 1	11 33.89	− 4 20.5	2.676	3.644	4.6	19.8
4 11	11 27.37	− 3 35.8	2.744	3.659	7.4	20.0
4 21	11 22.30	− 2 56.6	2.838	3.673	9.9	20.2

212484 2006 QC_{93} 3 16.5 250.°22 0.°2/16.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.28	− 2 46.6	1.744	2.567	14.8	21.0
2 21	12 4.16	− 1 59.7	1.653	2.556	11.2	20.7
3 2	11 57.74	− 0 54.3	1.585	2.545	7.0	20.4
3 12	11 49.71	+ 0 24.6	1.543	2.533	2.3	20.1
3 22	11 41.00	+ 1 49.6	1.529	2.522	2.6	20.1
4 1	11 32.72	+ 3 11.8	1.544	2.510	7.4	20.4
4 11	11 25.92	+ 4 22.9	1.584	2.497	11.9	20.6
4 21	11 21.30	+ 5 17.5	1.646	2.485	15.7	20.8

4515 Khrennikov 3 16.5 76.°84 0.°5/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.10	− 1 50.4	1.505	2.333	16.5	17.3
2 21	12 6.96	− 1 28.5	1.445	2.351	12.4	17.1
3 2	11 59.35	− 0 50.5	1.408	2.368	7.7	16.9
3 12	11 50.17	− 0 1.6	1.395	2.385	2.6	16.6
3 22	11 40.58	+ 0 51.3	1.410	2.403	2.7	16.6
4 1	11 31.83	+ 1 40.4	1.452	2.420	7.6	17.0
4 11	11 24.96	+ 2 19.2	1.518	2.437	12.0	17.3
4 21	11 20.58	+ 2 43.7	1.607	2.454	15.7	17.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
341804	2007 XC_{35}		3 16.5	157.°74	7.°0/ 8.1	17
	h m	° ′			°	m
2 11	12 10.75	+23 49.0	2.375	3.212	10.9	21.0
2 21	12 5.33	+24 53.1	2.318	3.214	8.8	20.9
3 2	11 58.10	+25 50.2	2.287	3.216	7.3	20.8
3 12	11 49.75	+26 33.2	2.283	3.218	7.1	20.8
3 22	11 41.09	+26 57.1	2.307	3.219	8.4	20.8
4 1	11 33.00	+26 59.0	2.356	3.221	10.4	21.0
4 11	11 26.24	+26 39.0	2.429	3.222	12.6	21.1
4 21	11 21.31	+25 59.3	2.521	3.224	14.5	21.3
290429	2005 TM_{96}		3 16.5	335.°22	4.°4/19.9	18
2 11	12 6.92	−10 35.2	1.239	2.057	19.9	20.1
2 21	12 3.91	−10 31.8	1.160	2.052	15.9	19.8
3 2	11 57.95	− 9 58.6	1.100	2.046	11.3	19.6
3 12	11 49.86	− 8 57.0	1.062	2.042	6.4	19.3
3 22	11 40.87	− 7 33.2	1.048	2.037	4.5	19.1
4 1	11 32.52	− 5 58.1	1.058	2.034	8.4	19.3
4 11	11 26.21	− 4 24.8	1.091	2.030	13.5	19.6
4 21	11 22.80	− 3 4.4	1.145	2.028	18.1	19.9
90355	2003 HC_{12}		3 16.5	201.°86	4.°2/11.1	17
2 11	12 7.92	+11 47.5	2.359	3.201	10.7	20.0
2 21	12 3.28	+13 11.9	2.283	3.197	8.0	19.8
3 2	11 56.92	+14 39.9	2.233	3.192	5.4	19.6
3 12	11 49.40	+16 4.4	2.213	3.187	4.2	19.5
3 22	11 41.47	+17 18.5	2.223	3.182	5.8	19.6
4 1	11 33.93	+18 16.5	2.260	3.176	8.6	19.8
4 11	11 27.53	+18 55.2	2.324	3.169	11.4	19.9
4 21	11 22.81	+19 13.8	2.408	3.162	13.8	20.1
367501	2009 HO_{97}		3 16.5	298.°97	2.°6/14.4	17
2 11	12 9.23	+ 4 51.9	1.489	2.340	15.4	21.2
2 21	12 5.35	+ 5 36.4	1.396	2.316	11.6	20.9
3 2	11 58.75	+ 6 33.8	1.326	2.293	7.1	20.5
3 12	11 50.12	+ 7 37.1	1.280	2.270	3.0	20.2
3 22	11 40.53	+ 8 37.4	1.261	2.247	4.9	20.3
4 1	11 31.34	+ 9 25.8	1.268	2.224	9.9	20.5
4 11	11 23.85	+ 9 55.3	1.298	2.202	14.7	20.7
4 21	11 18.96	+10 3.0	1.347	2.179	18.9	20.9
350019	2010 JZ_{40}		3 16.5	175.°09	5.°9/ 7.3	18
2 11	12 7.16	+22 16.9	2.861	3.699	9.2	21.5
2 21	12 2.45	+23 38.7	2.803	3.701	7.4	21.4
3 2	11 56.28	+24 55.9	2.772	3.702	6.1	21.3
3 12	11 49.18	+26 2.3	2.770	3.704	6.1	21.3
3 22	11 41.77	+26 53.0	2.796	3.705	7.3	21.4
4 1	11 34.76	+27 24.8	2.849	3.705	9.1	21.5
4 11	11 28.76	+27 36.7	2.925	3.705	11.0	21.7
4 21	11 24.22	+27 29.7	3.022	3.705	12.6	21.8
88441	2001 QA_{75}		3 16.5	127.°78	3.°2/20.2	18
2 11	12 6.87	−12 16.4	1.956	2.735	15.1	19.1
2 21	12 2.77	−11 38.0	1.874	2.742	12.0	18.9
3 2	11 56.71	−10 36.4	1.814	2.749	8.4	18.7
3 12	11 49.36	− 9 14.5	1.780	2.755	4.8	18.5
3 22	11 41.56	− 7 38.1	1.774	2.762	3.3	18.4
4 1	11 34.28	− 5 55.6	1.797	2.768	6.0	18.6
4 11	11 28.36	− 4 15.8	1.847	2.774	9.7	18.8
4 21	11 24.37	− 2 46.4	1.922	2.779	13.0	19.0
412209	2013 GP_{110}		3 16.6	334.°77	2.°8/19.0	16
2 11	12 4.95	− 9 7.0	1.355	2.176	18.3	20.6
2 21	12 2.18	− 8 34.2	1.273	2.169	14.4	20.3
3 2	11 56.77	− 7 32.6	1.212	2.163	9.8	20.0
3 12	11 49.46	− 6 5.6	1.173	2.157	4.9	19.7
3 22	11 41.40	− 4 21.2	1.160	2.152	3.3	19.6
4 1	11 33.91	− 2 31.3	1.173	2.148	7.9	19.9
4 11	11 28.23	− 0 48.6	1.209	2.144	12.9	20.1
4 21	11 25.16	+ 0 37.1	1.266	2.140	17.3	20.4
322403	2011 RH_{10}		3 16.6	246.°03	1.°2/17.9	18
2 11	12 5.98	− 4 55.9	2.465	3.265	11.7	21.3
2 21	12 1.80	− 4 31.8	2.369	3.257	9.0	21.1
3 2	11 56.01	− 3 54.3	2.297	3.248	5.8	20.9
3 12	11 49.13	− 3 6.3	2.253	3.240	2.5	20.7
3 22	11 41.82	− 2 11.9	2.239	3.231	1.9	20.6
4 1	11 34.82	− 1 16.1	2.254	3.223	5.2	20.8
4 11	11 28.84	− 0 24.2	2.297	3.214	8.6	21.0
4 21	11 24.39	+ 0 19.6	2.365	3.204	11.5	21.2
297276	1996 VR_{11}		3 16.6	241.°95	2.°7/19.7	17
2 11	12 7.20	− 9 31.6	2.508	3.284	12.2	21.5
2 21	12 2.74	− 9 26.3	2.405	3.274	9.7	21.3
3 2	11 56.61	− 9 5.8	2.327	3.263	6.8	21.1
3 12	11 49.34	− 8 31.7	2.276	3.252	3.9	20.9
3 22	11 41.59	− 7 46.8	2.253	3.241	2.9	20.8
4 1	11 34.12	− 6 55.5	2.261	3.229	5.2	20.9
4 11	11 27.66	− 6 3.4	2.296	3.217	8.3	21.1
4 21	11 22.76	− 5 15.2	2.356	3.205	11.2	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
108182	2001 HY_{13}		3 16.6	221.°60	2.°2/14.7	18
	h m	° ′			°	m
2 11	12 15.49	+ 5 12.7	1.859	2.687	13.8	20.5
2 21	12 9.45	+ 5 52.1	1.767	2.676	10.3	20.2
3 2	12 0.98	+ 6 40.7	1.700	2.663	6.3	20.0
3 12	11 50.79	+ 7 32.5	1.661	2.650	2.6	19.7
3 22	11 39.86	+ 8 20.7	1.651	2.636	4.1	19.8
4 1	11 29.39	+ 8 58.6	1.669	2.620	8.4	20.0
4 11	11 20.46	+ 9 21.5	1.714	2.604	12.5	20.2
4 21	11 13.84	+ 9 27.3	1.781	2.587	16.1	20.4
306609	2000 OG_{22}		3 16.6	210.°29	5.°0/10.4	18
2 11	12 9.44	+ 9 23.5	1.923	2.768	12.7	20.9
2 21	12 4.85	+11 36.4	1.844	2.761	9.4	20.7
3 2	11 58.10	+13 59.2	1.793	2.754	6.2	20.4
3 12	11 49.85	+16 20.9	1.771	2.746	5.0	20.4
3 22	11 40.99	+18 30.1	1.779	2.737	7.2	20.5
4 1	11 32.55	+20 17.2	1.816	2.727	10.6	20.6
4 11	11 25.51	+21 36.6	1.878	2.716	14.0	20.8
4 21	11 20.53	+22 27.1	1.960	2.705	16.8	21.0
337839	2001 VQ_{74}		3 16.6	133.°75	0.°0/16.5	17
2 11	12 7.02	− 0 37.5	2.763	3.572	10.3	22.3
2 21	12 2.27	− 0 6.7	2.687	3.584	7.7	22.2
3 2	11 56.14	+ 0 33.1	2.637	3.595	4.7	22.0
3 12	11 49.15	+ 1 18.3	2.616	3.606	1.5	21.8
3 22	11 41.89	+ 2 5.1	2.625	3.617	1.8	21.8
4 1	11 35.01	+ 2 49.2	2.664	3.627	5.0	22.0
4 11	11 29.10	+ 3 26.8	2.732	3.636	7.9	22.2
4 21	11 24.58	+ 3 55.2	2.825	3.646	10.4	22.4
501019	2013 RK_{53}		3 16.6	88.°99	2.°1/18.6	17
2 11	12 9.03	− 6 34.7	1.964	2.764	14.2	21.4
2 21	12 4.31	− 6 24.9	1.889	2.775	11.0	21.2
3 2	11 57.62	− 5 58.6	1.837	2.785	7.3	21.0
3 12	11 49.66	− 5 18.6	1.812	2.795	3.6	20.8
3 22	11 41.28	− 4 29.7	1.814	2.806	2.6	20.7
4 1	11 33.44	− 3 37.7	1.845	2.816	6.0	20.9
4 11	11 27.00	− 2 48.9	1.903	2.826	9.7	21.2
4 21	11 22.51	− 2 8.4	1.985	2.836	12.9	21.4
249132	2007 YG_{60}		3 16.6	196.°88	4.°5/22.5	18
2 11	12 7.36	−16 55.7	2.841	3.568	12.0	21.5
2 21	12 2.68	−17 0.6	2.740	3.565	10.0	21.3
3 2	11 56.50	−16 48.5	2.661	3.562	7.7	21.1
3 12	11 49.29	−16 19.7	2.609	3.558	5.6	21.0
3 22	11 41.68	−15 36.0	2.586	3.554	4.5	20.9
4 1	11 34.36	−14 41.1	2.592	3.549	5.4	21.0
4 11	11 27.97	−13 40.0	2.626	3.544	7.5	21.1
4 21	11 23.00	−12 38.2	2.686	3.538	9.9	21.2
501070	2013 SL_{42}		3 16.6	222.°40	1.°8/14.6	17
2 11	12 10.25	+ 4 34.8	2.330	3.156	11.4	23.1
2 21	12 5.07	+ 5 18.7	2.237	3.145	8.5	22.9
3 2	11 58.07	+ 6 10.8	2.170	3.133	5.1	22.7
3 12	11 49.82	+ 7 6.0	2.132	3.121	2.0	22.5
3 22	11 41.06	+ 7 58.9	2.123	3.108	3.4	22.5
4 1	11 32.65	+ 8 43.9	2.145	3.095	6.9	22.7
4 11	11 25.39	+ 9 16.9	2.193	3.080	10.3	22.9
4 21	11 19.85	+ 9 35.6	2.265	3.065	13.2	23.1
386775	2010 CJ_{231}		3 16.6	108.°40	4.°0/11.4	17
2 11	12 6.60	+11 41.0	2.313	3.158	10.8	21.3
2 21	12 2.24	+12 56.4	2.251	3.167	8.0	21.1
3 2	11 56.24	+14 14.2	2.217	3.177	5.3	21.0
3 12	11 49.21	+15 27.6	2.210	3.186	4.1	20.9
3 22	11 41.88	+16 30.4	2.233	3.195	5.6	21.0
4 1	11 35.03	+17 17.5	2.284	3.204	8.3	21.2
4 11	11 29.35	+17 46.4	2.360	3.213	11.0	21.4
4 21	11 25.31	+17 56.6	2.457	3.221	13.3	21.6
65286	2002 HC_{8}		3 16.6	272.°79	3.°8/19.8	18
2 11	12 9.22	− 9 57.3	1.605	2.404	16.9	19.3
2 21	12 5.11	− 9 57.6	1.515	2.396	13.6	19.1
3 2	11 58.49	− 9 35.0	1.445	2.387	9.6	18.8
3 12	11 50.04	− 8 50.6	1.400	2.378	5.5	18.6
3 22	11 40.81	− 7 48.8	1.381	2.369	4.0	18.4
4 1	11 32.04	− 6 37.3	1.388	2.360	7.3	18.6
4 11	11 24.90	− 5 25.3	1.421	2.351	11.7	18.8
4 21	11 20.18	− 4 21.2	1.476	2.342	15.7	19.1
439172	2011 VX_{9}		3 16.6	265.°49	3.°2/20.6	17
2 11	12 4.54	−12 6.1	2.532	3.300	12.3	21.5
2 21	12 0.73	−11 49.5	2.434	3.294	9.9	21.4
3 2	11 55.36	−11 15.6	2.360	3.289	7.1	21.2
3 12	11 48.96	−10 26.1	2.313	3.284	4.4	21.0
3 22	11 42.14	− 9 24.3	2.294	3.278	3.2	20.9
4 1	11 35.64	− 8 15.2	2.304	3.273	5.1	21.0
4 11	11 30.12	− 7 4.8	2.342	3.267	8.0	21.2
4 21	11 26.09	− 5 58.5	2.406	3.262	10.8	21.4

372425 2009 SM_{34} 3 16.6 212.°60 2.°6/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.95	−10 22.0	2.327	3.102	13.0	22.5
2 21	12 3.41	− 9 51.0	2.226	3.095	10.3	22.3
3 2	11 57.08	− 9 1.3	2.150	3.087	7.2	22.0
3 12	11 49.52	− 7 55.2	2.100	3.078	4.0	21.8
3 22	11 41.47	− 6 37.1	2.080	3.069	2.8	21.7
4 1	11 33.75	− 5 13.1	2.090	3.060	5.5	21.9
4 11	11 27.16	− 3 50.4	2.129	3.049	8.9	22.1
4 21	11 22.25	− 2 35.2	2.192	3.039	12.0	22.2

205256 2000 RS_{78} 3 16.6 177.°00 1.°2/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.73	− 3 8.7	1.771	2.582	15.1	20.8
2 21	12 8.12	− 3 2.7	1.689	2.584	11.6	20.6
3 2	12 0.13	− 2 41.7	1.630	2.585	7.4	20.4
3 12	11 50.52	− 2 8.9	1.598	2.586	2.9	20.1
3 22	11 40.31	− 1 29.4	1.594	2.586	2.5	20.0
4 1	11 30.67	− 0 49.2	1.618	2.586	6.9	20.3
4 11	11 22.64	− 0 14.6	1.668	2.585	11.2	20.6
4 21	11 16.93	+ 0 10.0	1.742	2.584	14.8	20.8

1971 Hagihara 3 16.6 109.°93 3.°5/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.69	−11 7.1	2.303	3.074	13.3	17.4
2 21	12 3.87	−11 15.3	2.220	3.082	10.6	17.2
3 2	11 57.30	−11 7.0	2.160	3.089	7.6	17.1
3 12	11 49.58	−10 43.2	2.126	3.097	4.7	16.9
3 22	11 41.45	−10 7.0	2.121	3.104	3.6	16.8
4 1	11 33.75	− 9 22.7	2.145	3.112	5.6	17.0
4 11	11 27.23	− 8 36.0	2.196	3.119	8.5	17.2
4 21	11 22.44	− 7 52.1	2.271	3.126	11.4	17.4

170907 2004 XK_{48} 3 16.6 352.°83 4.°3/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.19	−10 23.7	1.394	2.203	18.6	19.6
2 21	12 4.57	−10 28.7	1.315	2.201	14.9	19.3
3 2	11 58.23	−10 8.0	1.256	2.199	10.5	19.1
3 12	11 49.97	− 9 22.6	1.220	2.198	6.2	18.8
3 22	11 40.95	− 8 17.8	1.208	2.197	4.4	18.7
4 1	11 32.54	− 7 2.2	1.223	2.196	7.9	18.9
4 11	11 26.00	− 5 46.6	1.261	2.196	12.4	19.2
4 21	11 22.12	− 4 40.3	1.320	2.197	16.6	19.4

329999 2005 TO_{93} 3 16.6 171.°47 2.°6/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.11	− 9 25.2	2.087	2.873	14.0	21.6
2 21	12 3.63	− 8 59.7	2.000	2.876	11.0	21.4
3 2	11 57.24	− 8 15.2	1.937	2.878	7.5	21.2
3 12	11 49.58	− 7 14.2	1.899	2.879	4.0	21.0
3 22	11 41.45	− 6 1.8	1.891	2.880	2.8	20.9
4 1	11 33.76	− 4 44.4	1.911	2.881	5.8	21.1
4 11	11 27.35	− 3 29.6	1.959	2.882	9.4	21.3
4 21	11 22.79	− 2 23.4	2.031	2.882	12.7	21.5

163285 2002 GK_{136} 3 16.6 64.°33 0.°1/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.73	− 0 32.6	1.355	2.192	17.4	20.2
2 21	12 7.64	− 0 9.6	1.301	2.212	13.0	20.0
3 2	11 59.86	+ 0 29.4	1.268	2.232	8.0	19.7
3 12	11 50.40	+ 1 18.2	1.261	2.252	2.5	19.4
3 22	11 40.56	+ 2 9.1	1.279	2.272	3.0	19.5
4 1	11 31.69	+ 2 54.1	1.324	2.292	8.2	19.9
4 11	11 24.89	+ 3 26.6	1.393	2.312	12.8	20.2
4 21	11 20.78	+ 3 43.3	1.482	2.332	16.6	20.5

53204 1999 CZ_{73} 3 16.6 285.°34 3.°1/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.44	+ 4 1.9	1.724	2.572	13.8	18.8
2 21	12 2.05	+ 5 40.0	1.642	2.562	10.2	18.6
3 2	11 56.48	+ 7 33.1	1.584	2.552	6.1	18.3
3 12	11 49.38	+ 9 32.0	1.554	2.542	3.1	18.1
3 22	11 41.68	+11 26.2	1.552	2.532	5.3	18.2
4 1	11 34.43	+13 5.4	1.578	2.522	9.4	18.4
4 11	11 28.61	+14 22.1	1.628	2.512	13.4	18.6
4 21	11 24.90	+15 13.1	1.699	2.503	16.8	18.8

376706 1994 UT_7 3 16.6 130.°49 0.°2/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.47	− 1 5.9	2.204	3.018	12.4	21.9
2 21	12 4.44	− 0 43.9	2.128	3.026	9.3	21.7
3 2	11 57.64	− 0 10.8	2.076	3.034	5.8	21.5
3 12	11 49.69	+ 0 29.7	2.052	3.042	1.9	21.2
3 22	11 41.37	+ 1 13.0	2.057	3.050	2.1	21.2
4 1	11 33.53	+ 1 53.9	2.092	3.057	5.9	21.5
4 11	11 26.95	+ 2 27.7	2.154	3.064	9.4	21.7
4 21	11 22.13	+ 2 51.4	2.240	3.070	12.4	21.9

192697 1999 TB_{60} 3 16.6 176.°84 0.°5/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.29	− 2 0.4	2.247	3.057	12.4	21.5
2 21	12 4.35	− 1 38.3	2.163	3.058	9.3	21.3
3 2	11 57.62	− 1 4.4	2.103	3.059	5.8	21.1
3 12	11 49.70	− 0 22.1	2.071	3.060	2.1	20.9
3 22	11 41.35	+ 0 24.1	2.068	3.060	2.0	20.8
4 1	11 33.43	+ 1 8.9	2.095	3.060	5.8	21.1
4 11	11 26.71	+ 1 47.4	2.149	3.060	9.3	21.3
4 21	11 21.73	+ 2 16.1	2.227	3.059	12.4	21.5

203352 2001 VK_{53} 3 16.6 177.°95 2.°1/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.11	− 6 18.8	1.858	2.655	15.0	20.9
2 21	12 7.58	− 6 6.4	1.773	2.657	11.7	20.7
3 2	11 59.78	− 5 36.3	1.711	2.659	7.7	20.4
3 12	11 50.42	− 4 51.3	1.675	2.660	3.6	20.2
3 22	11 40.48	− 3 56.4	1.669	2.660	2.7	20.1
4 1	11 31.07	− 2 58.2	1.690	2.660	6.6	20.4
4 11	11 23.19	− 2 3.8	1.739	2.658	10.7	20.6
4 21	11 17.52	− 1 18.9	1.811	2.656	14.3	20.8

343065 2009 CU_{28} 3 16.6 46.°64 1.°8/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.75	− 4 37.9	2.153	2.954	13.1	20.6
2 21	12 4.77	− 4 46.3	2.070	2.957	10.1	20.4
3 2	11 57.90	− 4 42.0	2.011	2.961	6.7	20.2
3 12	11 49.79	− 4 27.1	1.980	2.965	3.1	20.0
3 22	11 41.24	− 4 4.9	1.977	2.968	2.4	19.9
4 1	11 33.15	− 3 39.5	2.003	2.972	5.7	20.1
4 11	11 26.32	− 3 15.8	2.056	2.976	9.2	20.3
4 21	11 21.32	− 2 57.7	2.133	2.980	12.3	20.6

157092 2004 FS_{107} 3 16.6 259.°93 2.°4/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.29	+ 4 43.2	1.500	2.343	15.7	20.5
2 21	12 8.36	+ 5 21.8	1.412	2.328	11.8	20.2
3 2	12 0.60	+ 6 12.3	1.346	2.312	7.2	19.9
3 12	11 50.77	+ 7 7.8	1.306	2.296	2.8	19.6
3 22	11 40.01	+ 8 0.1	1.293	2.279	4.7	19.6
4 1	11 29.76	+ 8 40.6	1.306	2.262	9.7	19.9
4 11	11 21.32	+ 9 3.5	1.343	2.245	14.5	20.1
4 21	11 15.58	+ 9 6.1	1.401	2.228	18.6	20.3

505885 2015 DQ_{142} 3 16.6 321.°66 5.°5/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.42	−13 53.9	1.652	2.437	17.1	20.6
2 21	12 2.30	−14 7.4	1.555	2.421	14.1	20.4
3 2	11 56.80	−13 56.1	1.477	2.405	10.6	20.1
3 12	11 49.54	−13 19.4	1.423	2.390	7.1	19.9
3 22	11 41.47	−12 20.1	1.394	2.375	5.5	19.7
4 1	11 33.76	−11 4.7	1.391	2.361	7.6	19.8
4 11	11 27.55	− 9 42.8	1.412	2.347	11.4	20.0
4 21	11 23.65	− 8 23.8	1.456	2.334	15.2	20.2

126130 2001 YY_{120} 3 16.6 270.°02 7.°4/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.37	+19 34.4	1.919	2.770	12.4	19.8
2 21	12 4.89	+21 8.6	1.845	2.755	9.8	19.6
3 2	11 58.18	+22 40.9	1.797	2.740	7.8	19.4
3 12	11 49.92	+24 1.5	1.775	2.725	7.6	19.4
3 22	11 41.07	+25 1.9	1.781	2.710	9.4	19.4
4 1	11 32.70	+25 36.1	1.811	2.694	12.1	19.6
4 11	11 25.80	+25 42.3	1.863	2.679	15.0	19.7
4 21	11 21.05	+25 22.2	1.934	2.663	17.5	19.9

486680 2013 TV_{78} 3 16.6 130.°53 0.°9/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.84	+ 2 16.0	1.186	2.013	20.1	21.0
2 21	12 20.43	+ 1 22.4	1.117	2.021	15.4	20.7
3 2	12 8.15	+ 0 37.5	1.069	2.028	9.7	20.4
3 12	11 53.17	− 0 0.7	1.045	2.035	3.3	20.1
3 22	11 37.30	− 0 34.5	1.050	2.042	3.5	20.1
4 1	11 22.63	− 1 7.0	1.081	2.049	9.7	20.5
4 11	11 10.90	− 1 41.7	1.137	2.054	15.2	20.8
4 21	11 2.99	− 2 21.2	1.214	2.060	19.7	21.1

138171 2000 EK_{102} 3 16.6 164.°39 0.°4/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.37	− 3 5.4	2.125	2.934	13.0	19.9
2 21	12 4.48	− 2 23.3	2.043	2.939	9.8	19.7
3 2	11 57.72	− 1 26.8	1.987	2.943	6.1	19.5
3 12	11 49.74	− 0 20.1	1.958	2.947	2.1	19.3
3 22	11 41.33	+ 0 50.7	1.958	2.951	2.1	19.3
4 1	11 33.40	+ 1 59.2	1.988	2.954	6.1	19.5
4 11	11 26.74	+ 2 59.3	2.046	2.956	9.8	19.7
4 21	11 21.91	+ 3 46.7	2.127	2.958	13.0	20.0

523669 2012 XS_{134} 3 16.6 136.°94 9.°3/ 6.2 18 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.04	+29 11.1	2.171	2.987	12.5	23.2
2 21	12 13.07	+30 53.2	2.139	3.010	10.6	23.1
3 2	12 2.86	+32 21.8	2.133	3.031	9.4	23.1
3 12	11 51.32	+33 27.7	2.154	3.051	9.5	23.1
3 22	11 39.56	+34 5.1	2.202	3.070	10.8	23.2
4 1	11 28.74	+34 12.2	2.275	3.087	12.6	23.4
4 11	11 19.76	+33 51.1	2.370	3.103	14.5	23.5
4 21	11 13.16	+33 6.5	2.483	3.117	16.1	23.7

329302 2000 RF_{82} 3 16.6 168.°87 3.°3/20.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.13	−12 31.6	2.412	3.174	13.0	21.3
2 21	12 3.42	−12 9.4	2.322	3.178	10.4	21.1
3 2	11 57.03	−11 28.6	2.254	3.182	7.5	20.9
3 12	11 49.51	−10 31.2	2.214	3.185	4.6	20.7
3 22	11 41.60	− 9 20.9	2.203	3.188	3.3	20.7
4 1	11 34.08	− 8 3.4	2.222	3.190	5.3	20.8
4 11	11 27.69	− 6 45.4	2.269	3.191	8.4	21.0
4 21	11 22.93	− 5 32.8	2.341	3.192	11.2	21.2

195793 2002 PR_{179} 3 16.6 277.°58 0.°5/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.96	+ 0 6.8	2.048	2.874	12.8	20.5
2 21	12 2.82	+ 0 43.9	1.962	2.868	9.6	20.3
3 2	11 56.78	+ 1 33.3	1.901	2.863	5.8	20.0
3 12	11 49.46	+ 2 30.4	1.866	2.858	1.8	19.8
3 22	11 41.66	+ 3 29.3	1.861	2.852	2.5	19.8
4 1	11 34.27	+ 4 23.8	1.884	2.847	6.6	20.0
4 11	11 28.13	+ 5 8.4	1.933	2.842	10.4	20.3
4 21	11 23.82	+ 5 39.4	2.005	2.836	13.6	20.5

323127 2003 BP_{16} 3 16.6 351.°85 5.°4/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.90	+10 16.3	1.397	2.264	15.2	19.3
2 21	12 2.76	+11 38.6	1.332	2.260	11.3	19.1
3 2	11 57.05	+13 8.2	1.289	2.256	7.4	18.9
3 12	11 49.59	+14 34.2	1.272	2.253	5.4	18.7
3 22	11 41.53	+15 45.9	1.280	2.250	7.6	18.8
4 1	11 34.14	+16 34.3	1.312	2.249	11.6	19.1
4 11	11 28.58	+16 55.4	1.366	2.248	15.6	19.3
4 21	11 25.52	+16 49.1	1.438	2.248	19.1	19.5

22757 Klimcak 3 16.6 133.°14 1.°2/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.65	+ 2 30.1	2.211	3.038	11.9	19.2
2 21	12 3.12	+ 3 13.6	2.135	3.044	8.8	19.0
3 2	11 56.85	+ 4 6.4	2.085	3.049	5.3	18.8
3 12	11 49.46	+ 5 3.5	2.063	3.054	1.7	18.5
3 22	11 41.71	+ 5 59.3	2.071	3.059	2.9	18.6
4 1	11 34.43	+ 6 48.2	2.107	3.064	6.5	18.8
4 11	11 28.34	+ 7 25.9	2.170	3.068	9.9	19.1
4 21	11 23.97	+ 7 49.8	2.256	3.073	12.8	19.3

277207 2005 QA_{106} 3 16.6 215.°74 2.°6/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.04	+ 4 51.2	1.731	2.566	14.3	21.5
2 21	12 7.76	+ 5 52.1	1.646	2.558	10.6	21.3
3 2	12 0.02	+ 7 4.6	1.585	2.550	6.5	21.0
3 12	11 50.56	+ 8 21.2	1.551	2.540	2.9	20.8
3 22	11 40.39	+ 9 33.5	1.546	2.529	4.7	20.9
4 1	11 30.73	+10 33.1	1.569	2.518	9.0	21.1
4 11	11 22.67	+11 14.4	1.617	2.506	13.2	21.3
4 21	11 16.97	+11 34.9	1.686	2.493	16.8	21.5

503218 2015 HA_{42} 3 16.6 334.°24 0.°1/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.89	− 2 46.7	2.145	2.963	12.6	20.7
2 21	12 1.18	− 1 53.0	2.062	2.963	9.5	20.5
3 2	11 55.73	− 0 44.4	2.003	2.962	5.9	20.2
3 12	11 49.13	+ 0 34.3	1.971	2.961	1.9	20.0
3 22	11 42.12	+ 1 56.8	1.969	2.961	2.2	20.0
4 1	11 35.51	+ 3 16.0	1.995	2.960	6.1	20.2
4 11	11 30.07	+ 4 25.6	2.049	2.960	9.7	20.5
4 21	11 26.32	+ 5 21.1	2.126	2.960	12.9	20.7

90351 2003 GW_{42} 3 16.6 293.°04 7.°6/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.44	+24 9.5	2.272	3.113	11.1	19.3
2 21	12 4.69	+25 24.3	2.194	3.091	9.2	19.2
3 2	11 57.96	+26 33.4	2.142	3.069	7.8	19.0
3 12	11 49.86	+27 28.7	2.116	3.047	7.8	19.0
3 22	11 41.23	+28 3.8	2.117	3.026	9.3	19.0
4 1	11 33.02	+28 14.5	2.143	3.004	11.5	19.1
4 11	11 26.10	+28 0.1	2.191	2.982	13.8	19.3
4 21	11 21.08	+27 22.4	2.258	2.960	16.0	19.4

207484 2006 HY_{42} 3 16.6 189.°72 0.°5/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.39	+ 0 9.6	1.679	2.508	15.0	21.1
2 21	12 6.48	+ 0 42.2	1.600	2.508	11.3	20.8
3 2	11 59.19	+ 1 29.0	1.545	2.507	6.9	20.6
3 12	11 50.28	+ 2 24.7	1.515	2.506	2.1	20.2
3 22	11 40.76	+ 3 22.4	1.513	2.505	2.9	20.3
4 1	11 31.83	+ 4 14.6	1.539	2.503	7.7	20.6
4 11	11 24.53	+ 4 55.0	1.591	2.501	12.0	20.8
4 21	11 19.55	+ 5 19.8	1.664	2.499	15.8	21.1

19048 9567 *P–L* 3 16.6 239.°47 2.°4/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.60	+ 8 15.3	2.448	3.282	10.7	18.7
2 21	12 3.72	+ 8 47.1	2.366	3.278	7.9	18.5
3 2	11 57.19	+ 9 22.9	2.310	3.273	4.9	18.3
3 12	11 49.58	+ 9 58.1	2.283	3.269	2.5	18.1
3 22	11 41.60	+10 27.9	2.285	3.265	3.8	18.2
4 1	11 34.01	+10 48.4	2.316	3.260	6.8	18.4
4 11	11 27.52	+10 56.9	2.374	3.256	9.8	18.6
4 21	11 22.65	+10 52.3	2.455	3.251	12.5	18.8

211560 2003 SB_{94} 3 16.6 176.°78 0.°1/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.81	− 0 25.0	2.107	2.919	13.0	20.9
2 21	12 7.08	+ 0 1.4	2.024	2.922	9.8	20.7
3 2	11 59.35	+ 0 39.3	1.965	2.924	6.0	20.5
3 12	11 50.30	+ 1 24.8	1.935	2.925	1.9	20.2
3 22	11 40.77	+ 2 12.6	1.934	2.926	2.3	20.2
4 1	11 31.73	+ 2 57.0	1.963	2.925	6.4	20.5
4 11	11 24.04	+ 3 33.1	2.019	2.924	10.2	20.7
4 21	11 18.30	+ 3 57.7	2.099	2.923	13.4	20.9

54573 2000 QP_{155} 3 16.6 250.°22 3.°8/21.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.58	−12 58.4	2.463	3.224	12.8	19.9
2 21	12 2.35	−12 59.1	2.363	3.216	10.4	19.7
3 2	11 56.44	−12 42.6	2.285	3.208	7.7	19.5
3 12	11 49.37	−12 9.6	2.234	3.200	5.0	19.3
3 22	11 41.83	−11 22.8	2.211	3.191	3.8	19.2
4 1	11 34.59	−10 26.5	2.216	3.183	5.5	19.3
4 11	11 28.38	− 9 26.7	2.250	3.174	8.3	19.4
4 21	11 23.76	− 8 28.8	2.309	3.165	11.2	19.6

51917 2001 QQ_{83} 3 16.6 285.°14 1.°1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.48	+ 4 52.7	1.728	2.556	14.7	17.1
2 21	12 11.14	+ 4 38.5	1.636	2.543	11.1	16.9
3 2	12 2.15	+ 4 30.1	1.569	2.531	6.8	16.6
3 12	11 51.27	+ 4 23.7	1.528	2.518	2.2	16.3
3 22	11 39.59	+ 4 15.3	1.515	2.506	3.2	16.3
4 1	11 28.42	+ 4 1.0	1.532	2.493	8.0	16.6
4 11	11 18.96	+ 3 38.0	1.575	2.481	12.4	16.8
4 21	11 12.02	+ 3 4.9	1.639	2.469	16.2	17.0

507028 2008 UU_{101} 3 16.6 267.°72 0.°7/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.69	+ 1 36.8	2.166	2.986	12.4	22.5
2 21	12 5.69	+ 2 0.5	2.059	2.963	9.3	22.2
3 2	11 58.65	+ 2 34.5	1.977	2.938	5.7	22.0
3 12	11 50.13	+ 3 14.9	1.923	2.913	1.8	21.7
3 22	11 40.92	+ 3 56.8	1.898	2.888	2.6	21.7
4 1	11 31.96	+ 4 34.8	1.902	2.862	6.8	21.9
4 11	11 24.18	+ 5 3.9	1.933	2.836	10.6	22.1
4 21	11 18.25	+ 5 20.8	1.987	2.809	14.1	22.2

520268 2014 EQ_{124} 3 16.6 193.°07 3.°3/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.82	−12 6.5	2.732	3.491	11.7	22.0
2 21	12 2.32	−12 6.2	2.637	3.490	9.4	21.8
3 2	11 56.32	−11 50.8	2.564	3.489	6.9	21.7
3 12	11 49.33	−11 21.5	2.519	3.487	4.4	21.5
3 22	11 41.94	−10 40.6	2.503	3.485	3.3	21.4
4 1	11 34.86	− 9 52.1	2.517	3.482	5.0	21.5
4 11	11 28.73	− 9 0.9	2.558	3.480	7.6	21.7
4 21	11 24.03	− 8 11.6	2.626	3.477	10.1	21.9

57354 2001 QB_{292} 3 16.6 131.°54 0.°9/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.62	− 4 0.7	2.030	2.838	13.6	19.9
2 21	12 4.72	− 3 30.1	1.955	2.848	10.3	19.7
3 2	11 57.90	− 2 44.7	1.903	2.858	6.6	19.5
3 12	11 49.84	− 1 48.2	1.879	2.867	2.5	19.2
3 22	11 41.38	− 0 46.4	1.884	2.876	2.1	19.2
4 1	11 33.45	+ 0 14.5	1.918	2.885	6.1	19.5
4 11	11 26.88	+ 1 8.2	1.978	2.893	9.8	19.7
4 21	11 22.21	+ 1 50.6	2.063	2.901	13.0	19.9

49038 1998 QY_{109} 3 16.6 226.°13 2.°2/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.38	+ 5 25.1	2.151	2.980	12.1	20.1
2 21	12 6.11	+ 6 14.5	2.058	2.968	9.0	19.8
3 2	11 58.84	+ 7 12.3	1.991	2.955	5.5	19.6
3 12	11 50.18	+ 8 13.0	1.953	2.941	2.4	19.4
3 22	11 40.94	+ 9 10.1	1.944	2.927	3.9	19.4
4 1	11 32.06	+ 9 57.7	1.964	2.911	7.6	19.6
4 11	11 24.45	+10 31.1	2.011	2.895	11.2	19.8
4 21	11 18.72	+10 48.1	2.080	2.879	14.3	20.0

505232 2012 UK_{35} 3 16.6 216.°58 3.°0/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.84	−11 17.0	2.432	3.204	12.6	21.9
2 21	12 1.77	−10 58.4	2.337	3.201	10.1	21.7
3 2	11 56.07	−10 22.3	2.265	3.197	7.2	21.5
3 12	11 49.26	− 9 30.6	2.220	3.194	4.3	21.3
3 22	11 42.03	− 8 26.9	2.203	3.190	3.0	21.2
4 1	11 35.14	− 7 16.5	2.216	3.186	5.2	21.4
4 11	11 29.29	− 6 5.7	2.257	3.181	8.3	21.6
4 21	11 25.02	− 5 0.0	2.323	3.177	11.2	21.7

204106 2003 WB_{126} 3 16.6 50.°85 7.°0/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.39	−19 2.2	1.882	2.623	16.9	19.5
2 21	12 4.78	−19 37.9	1.814	2.642	14.2	19.3
3 2	11 58.04	−19 48.9	1.766	2.661	11.2	19.2
3 12	11 49.90	−19 34.4	1.740	2.681	8.5	19.0
3 22	11 41.32	−18 56.6	1.740	2.701	7.0	19.0
4 1	11 33.36	−18 0.7	1.767	2.721	7.8	19.1
4 11	11 26.93	−16 54.7	1.819	2.742	10.1	19.2
4 21	11 22.62	−15 46.7	1.895	2.762	12.7	19.4

94893 2001 YG_5 3 16.6 72.°98 3.°4/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.45	+ 5 27.4	1.359	2.212	16.5	19.5
2 21	12 6.67	+ 6 42.9	1.311	2.233	12.0	19.3
3 2	11 59.28	+ 8 9.0	1.286	2.253	7.2	19.0
3 12	11 50.28	+ 9 35.2	1.286	2.274	3.6	18.9
3 22	11 40.94	+10 51.1	1.313	2.295	5.6	19.0
4 1	11 32.58	+11 48.1	1.365	2.315	10.0	19.3
4 11	11 26.25	+12 21.7	1.441	2.336	14.2	19.6
4 21	11 22.53	+12 31.3	1.537	2.356	17.6	19.9

161753 2006 SW_{327} 3 16.6 202.°42 1.°5/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.21	+ 4 54.6	2.706	3.532	10.0	20.9
2 21	12 2.56	+ 5 32.9	2.620	3.528	7.4	20.8
3 2	11 56.45	+ 6 17.3	2.561	3.525	4.4	20.6
3 12	11 49.37	+ 7 3.7	2.531	3.521	1.8	20.4
3 22	11 41.94	+ 7 47.7	2.531	3.516	2.9	20.4
4 1	11 34.85	+ 8 25.0	2.561	3.512	5.9	20.6
4 11	11 28.72	+ 8 52.4	2.619	3.507	8.8	20.8
4 21	11 24.01	+ 9 8.0	2.700	3.501	11.3	21.0

519020 2010 JC_{131} 3 16.6 281.°61 0.°9/17.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.77	− 2 24.9	2.414	3.220	11.7	21.6
2 21	12 4.03	− 2 21.8	2.308	3.200	9.0	21.3
3 2	11 57.53	− 2 8.2	2.227	3.181	5.8	21.1
3 12	11 49.76	− 1 46.2	2.173	3.161	2.3	20.8
3 22	11 41.44	− 1 19.1	2.149	3.141	1.9	20.8
4 1	11 33.37	− 0 51.1	2.154	3.121	5.5	21.0
4 11	11 26.33	− 0 26.5	2.187	3.101	9.0	21.2
4 21	11 20.91	− 0 8.8	2.244	3.081	12.1	21.3

376696 2013 QF_{80} 3 16.6 216.°20 0.°6/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.19	− 2 59.1	1.837	2.656	14.3	21.5
2 21	12 3.94	− 2 26.6	1.755	2.655	10.9	21.2
3 2	11 57.58	− 1 38.2	1.696	2.654	6.8	21.0
3 12	11 49.78	− 0 38.0	1.664	2.653	2.4	20.7
3 22	11 41.46	+ 0 27.6	1.659	2.652	2.3	20.7
4 1	11 33.63	+ 1 31.4	1.683	2.651	6.7	21.0
4 11	11 27.22	+ 2 26.5	1.733	2.650	10.8	21.2
4 21	11 22.86	+ 3 8.3	1.805	2.648	14.4	21.4

431635 2007 XF_{19} 3 16.6 69.°55 4.°1/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.27	+12 32.5	2.123	2.966	11.7	20.7
2 21	12 5.02	+13 16.7	2.069	2.983	8.7	20.5
3 2	11 57.97	+14 1.4	2.040	2.999	5.7	20.4
3 12	11 49.84	+14 40.6	2.038	3.016	4.1	20.3
3 22	11 41.46	+15 8.8	2.065	3.033	5.5	20.4
4 1	11 33.72	+15 22.4	2.120	3.049	8.3	20.6
4 11	11 27.36	+15 19.5	2.201	3.066	11.2	20.8
4 21	11 22.85	+15 0.9	2.303	3.083	13.7	21.0

124749 2001 SD_{215} 3 16.6 158.°55 1.°6/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.44	+ 2 49.5	1.806	2.634	14.1	20.7
2 21	12 7.79	+ 3 35.9	1.734	2.642	10.5	20.5
3 2	11 59.89	+ 4 33.3	1.685	2.649	6.3	20.2
3 12	11 50.51	+ 5 35.6	1.664	2.655	2.2	20.0
3 22	11 40.65	+ 6 35.5	1.672	2.660	3.6	20.1
4 1	11 31.42	+ 7 26.2	1.709	2.664	7.8	20.3
4 11	11 23.80	+ 8 2.4	1.771	2.668	11.8	20.6
4 21	11 18.41	+ 8 21.9	1.856	2.671	15.2	20.8

221658 2007 CR_{15} 3 16.6 108.°87 2.°6/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.66	− 5 26.9	1.857	2.655	15.0	20.6
2 21	12 8.70	− 5 50.1	1.780	2.663	11.7	20.4
3 2	12 0.46	− 5 58.9	1.725	2.672	7.8	20.2
3 12	11 50.70	− 5 54.7	1.697	2.679	3.9	20.0
3 22	11 40.42	− 5 40.5	1.697	2.687	3.0	19.9
4 1	11 30.73	− 5 21.0	1.726	2.695	6.5	20.1
4 11	11 22.63	− 5 1.4	1.782	2.702	10.4	20.4
4 21	11 16.77	− 4 46.5	1.861	2.709	13.8	20.6

337035 1995 UB_{11} 3 16.6 119.°39 0.°5/16.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.39	+ 1 59.8	2.493	3.310	11.0	21.3
2 21	12 4.21	+ 2 16.5	2.418	3.319	8.2	21.1
3 2	11 57.45	+ 2 40.6	2.368	3.329	5.0	20.9
3 12	11 49.69	+ 3 8.6	2.347	3.337	1.5	20.7
3 22	11 41.62	+ 3 36.8	2.355	3.346	2.2	20.7
4 1	11 34.00	+ 4 1.2	2.394	3.354	5.6	21.0
4 11	11 27.48	+ 4 18.3	2.460	3.363	8.7	21.2
4 21	11 22.55	+ 4 26.3	2.551	3.371	11.4	21.4

48395 1981 ES_{11} 3 16.6 283.°62 3.°1/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.90	− 8 19.6	1.691	2.494	16.1	19.3
2 21	12 4.87	− 8 17.2	1.592	2.477	12.8	19.0
3 2	11 58.39	− 7 54.2	1.516	2.461	8.8	18.8
3 12	11 50.12	− 7 11.7	1.463	2.445	4.8	18.5
3 22	11 41.02	− 6 14.3	1.438	2.428	3.4	18.3
4 1	11 32.27	− 5 8.8	1.439	2.411	7.1	18.5
4 11	11 25.02	− 4 3.8	1.466	2.395	11.5	18.7
4 21	11 20.08	− 3 7.0	1.516	2.378	15.6	18.9

172511 2003 SZ_{224} 3 16.6 101.°21 0.°3/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.86	− 1 30.5	1.637	2.464	15.4	20.2
2 21	12 5.27	− 0 42.3	1.570	2.476	11.5	20.0
3 2	11 58.39	+ 0 22.4	1.526	2.488	7.0	19.7
3 12	11 50.03	+ 1 37.2	1.508	2.499	2.2	19.4
3 22	11 41.23	+ 2 54.2	1.519	2.510	2.8	19.5
4 1	11 33.12	+ 4 4.9	1.556	2.521	7.5	19.8
4 11	11 26.67	+ 5 2.2	1.620	2.532	11.7	20.1
4 21	11 22.48	+ 5 42.2	1.705	2.543	15.3	20.3

145775 1998 BE_{20} 3 16.6 27.°68 6.°9/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.59	−14 59.2	1.544	2.321	18.5	19.3
2 21	12 6.17	−15 51.0	1.471	2.328	15.3	19.1
3 2	11 59.16	−16 18.3	1.417	2.335	11.8	18.9
3 12	11 50.34	−16 19.5	1.386	2.343	8.5	18.7
3 22	11 40.85	−15 56.3	1.380	2.352	6.9	18.7
4 1	11 31.99	−15 14.0	1.399	2.362	8.4	18.8
4 11	11 24.94	−14 21.3	1.442	2.372	11.6	19.0
4 21	11 20.44	−13 27.1	1.508	2.382	15.0	19.2

471407 2011 SS_{217} 3 16.6 228.°32 0.°6/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.99	+ 1 37.8	2.832	3.647	9.9	22.3
2 21	12 2.40	+ 2 11.3	2.735	3.636	7.4	22.1
3 2	11 56.37	+ 2 52.9	2.664	3.624	4.5	21.9
3 12	11 49.38	+ 3 39.1	2.622	3.612	1.4	21.7
3 22	11 41.99	+ 4 25.9	2.610	3.600	2.1	21.7
4 1	11 34.87	+ 5 8.9	2.629	3.587	5.3	21.9
4 11	11 28.64	+ 5 44.5	2.676	3.574	8.3	22.1
4 21	11 23.76	+ 6 10.1	2.748	3.560	10.9	22.2

45925 2000 YK_{111} 3 16.6 321.°93 3.°0/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.29	+ 5 25.4	1.308	2.168	16.5	18.9
2 21	12 4.91	+ 6 8.0	1.227	2.152	12.4	18.6
3 2	11 58.62	+ 7 3.2	1.168	2.137	7.6	18.3
3 12	11 50.24	+ 8 3.2	1.132	2.122	3.3	18.0
3 22	11 40.94	+ 8 58.3	1.122	2.108	5.4	18.1
4 1	11 32.22	+ 9 39.1	1.136	2.095	10.5	18.3
4 11	11 25.43	+ 9 59.1	1.172	2.082	15.4	18.6
4 21	11 21.44	+ 9 55.9	1.227	2.071	19.7	18.8

58723 1998 DU_{17} 3 16.6 113.°51 1.°3/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.13	+ 3 4.1	2.177	3.000	12.2	20.7
2 21	12 5.62	+ 3 44.3	2.114	3.020	9.0	20.5
3 2	11 58.35	+ 4 32.7	2.076	3.039	5.4	20.3
3 12	11 49.99	+ 5 24.3	2.067	3.057	1.8	20.1
3 22	11 41.35	+ 6 13.4	2.088	3.075	3.0	20.2
4 1	11 33.30	+ 6 55.0	2.138	3.093	6.5	20.5
4 11	11 26.58	+ 7 25.2	2.215	3.110	9.8	20.7
4 21	11 21.68	+ 7 42.0	2.315	3.126	12.7	20.9

213776 2003 DZ_{18} 3 16.6 105.°62 3.°8/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.99	+10 56.1	2.439	3.282	10.4	20.2
2 21	12 1.75	+12 19.2	2.379	3.295	7.7	20.0
3 2	11 55.97	+13 45.2	2.347	3.308	5.0	19.9
3 12	11 49.23	+15 7.4	2.344	3.320	3.8	19.8
3 22	11 42.22	+16 19.5	2.370	3.333	5.3	19.9
4 1	11 35.65	+17 16.4	2.425	3.345	7.9	20.1
4 11	11 30.19	+17 55.4	2.506	3.357	10.5	20.3
4 21	11 26.26	+18 15.9	2.608	3.368	12.7	20.5

330953 2009 SL_{329} 3 16.6 165.°57 5.°2/10.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.66	+16 27.1	2.304	3.141	11.1	21.8
2 21	12 6.81	+17 26.0	2.239	3.146	8.5	21.6
3 2	11 59.11	+18 23.2	2.200	3.151	6.1	21.5
3 12	11 50.25	+19 12.1	2.190	3.155	5.2	21.4
3 22	11 41.05	+19 46.8	2.209	3.158	6.6	21.5
4 1	11 32.40	+20 3.7	2.256	3.161	9.1	21.7
4 11	11 25.08	+20 1.5	2.327	3.163	11.7	21.8
4 21	11 19.62	+19 41.1	2.421	3.165	14.0	22.0

399345 2000 SU_{75} 3 16.6 189.°43 3.°7/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.48	+10 31.6	2.080	2.911	12.4	21.6
2 21	12 9.13	+11 17.5	2.001	2.911	9.2	21.4
3 2	12 0.66	+12 6.7	1.949	2.909	5.9	21.2
3 12	11 50.78	+12 52.7	1.925	2.906	3.7	21.1
3 22	11 40.41	+13 29.4	1.930	2.903	5.2	21.2
4 1	11 30.59	+13 51.7	1.965	2.899	8.6	21.4
4 11	11 22.23	+13 57.0	2.026	2.894	11.9	21.6
4 21	11 15.95	+13 45.2	2.109	2.888	14.8	21.7

55344 2001 SH_{138} 3 16.6 34.°33 0.°1/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.28	+ 0 11.0	1.625	2.456	15.3	19.4
2 21	12 6.44	+ 0 20.4	1.552	2.459	11.5	19.1
3 2	11 59.19	+ 0 42.6	1.501	2.463	7.1	18.9
3 12	11 50.34	+ 1 13.2	1.476	2.467	2.3	18.6
3 22	11 40.93	+ 1 46.6	1.478	2.470	2.7	18.6
4 1	11 32.16	+ 2 16.6	1.507	2.475	7.5	18.9
4 11	11 25.09	+ 2 37.6	1.562	2.479	11.8	19.2
4 21	11 20.38	+ 2 46.4	1.638	2.483	15.5	19.4

89321 2001 VB_{43} 3 16.6 107.°03 5.°5/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.76	+12 27.3	1.575	2.424	14.8	19.3
2 21	12 8.91	+13 40.5	1.525	2.442	11.0	19.1
3 2	12 0.58	+14 55.3	1.499	2.460	7.3	19.0
3 12	11 50.73	+16 2.1	1.500	2.476	5.5	18.9
3 22	11 40.55	+16 52.3	1.528	2.493	7.3	19.0
4 1	11 31.28	+17 20.1	1.582	2.509	10.8	19.3
4 11	11 23.96	+17 23.8	1.660	2.524	14.2	19.5
4 21	11 19.15	+17 5.2	1.757	2.539	17.2	19.8

141822 2002 NO_{53} 3 16.6 249.°63 0.°4/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.40	+ 0 5.9	1.941	2.761	13.6	21.4
2 21	12 6.42	+ 0 36.8	1.840	2.743	10.3	21.2
3 2	11 59.21	+ 1 20.9	1.764	2.725	6.4	20.9
3 12	11 50.38	+ 2 14.0	1.715	2.706	2.0	20.6
3 22	11 40.82	+ 3 10.2	1.695	2.686	2.7	20.6
4 1	11 31.58	+ 4 2.8	1.704	2.666	7.2	20.8
4 11	11 23.68	+ 4 45.5	1.739	2.645	11.4	21.0
4 21	11 17.87	+ 5 14.4	1.797	2.624	15.1	21.2

285584 2000 QN_{68} 3 16.6 141.°01 0.°9/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.40	− 3 44.2	2.838	3.634	10.4	21.8
2 21	12 2.60	− 3 25.4	2.757	3.643	7.9	21.7
3 2	11 56.43	− 2 56.4	2.701	3.653	5.1	21.5
3 12	11 49.39	− 2 19.8	2.674	3.662	2.1	21.3
3 22	11 42.06	− 1 39.0	2.678	3.670	1.6	21.3
4 1	11 35.09	− 0 57.9	2.712	3.679	4.6	21.5
4 11	11 29.06	− 0 20.6	2.774	3.686	7.4	21.7
4 21	11 24.40	+ 0 10.0	2.862	3.694	10.0	21.9

5742 1990 TN_4 3 16.6 337.°96 7.°3/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.62	+21 28.1	2.057	2.906	11.8	16.4
2 21	12 4.11	+22 43.0	1.996	2.902	9.4	16.2
3 2	11 57.60	+23 52.7	1.960	2.898	7.6	16.1
3 12	11 49.80	+24 48.9	1.950	2.895	7.4	16.1
3 22	11 41.58	+25 25.1	1.967	2.892	8.9	16.2
4 1	11 33.94	+25 37.4	2.009	2.889	11.3	16.3
4 11	11 27.70	+25 25.1	2.074	2.887	13.7	16.5
4 21	11 23.45	+24 50.3	2.157	2.885	16.0	16.6

432132 2009 BQ_{53} 3 16.6 350.°26 1.°5/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.45	+ 3 23.9	1.858	2.698	13.3	21.0
2 21	12 2.62	+ 4 0.0	1.780	2.695	9.8	20.7
3 2	11 56.76	+ 4 46.1	1.725	2.691	5.9	20.5
3 12	11 49.55	+ 5 36.9	1.698	2.688	2.1	20.2
3 22	11 41.85	+ 6 25.8	1.698	2.686	3.4	20.3
4 1	11 34.64	+ 7 6.8	1.725	2.684	7.5	20.6
4 11	11 28.80	+ 7 34.8	1.778	2.683	11.3	20.8
4 21	11 24.93	+ 7 47.4	1.852	2.682	14.6	21.0

300000 2006 UW_{30} 3 16.6 206.°75 0.°3/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.98	+ 0 30.5	2.801	3.613	10.1	22.5
2 21	12 2.38	+ 1 0.7	2.709	3.608	7.5	22.3
3 2	11 56.36	+ 1 39.4	2.643	3.603	4.6	22.1
3 12	11 49.38	+ 2 23.3	2.606	3.597	1.4	21.9
3 22	11 42.06	+ 3 8.5	2.600	3.591	1.9	21.9
4 1	11 35.03	+ 3 50.7	2.624	3.585	5.1	22.1
4 11	11 28.91	+ 4 26.1	2.676	3.578	8.1	22.3
4 21	11 24.16	+ 4 52.2	2.753	3.571	10.7	22.4

140909 2001 VW_{54} 3 16.6 241.°64 1.°0/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.19	− 3 22.0	2.531	3.332	11.4	20.3
2 21	12 3.48	− 3 10.5	2.432	3.321	8.7	20.1
3 2	11 57.13	− 2 47.9	2.358	3.311	5.6	19.9
3 12	11 49.67	− 2 16.4	2.313	3.300	2.3	19.7
3 22	11 41.74	− 1 39.7	2.296	3.289	1.8	19.6
4 1	11 34.10	− 1 2.0	2.310	3.278	5.2	19.8
4 11	11 27.47	− 0 27.8	2.352	3.266	8.5	20.0
4 21	11 22.38	− 0 0.7	2.418	3.254	11.4	20.2

186134 2001 TM_{171} 3 16.6 158.°14 3.°3/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.01	+ 9 7.6	2.271	3.107	11.3	21.1
2 21	12 4.86	+10 15.0	2.202	3.115	8.3	21.0
3 2	11 57.95	+11 27.0	2.160	3.122	5.3	20.8
3 12	11 49.90	+12 37.0	2.146	3.128	3.4	20.7
3 22	11 41.51	+13 38.7	2.162	3.133	4.9	20.8
4 1	11 33.61	+14 26.7	2.207	3.138	7.9	21.0
4 11	11 26.95	+14 57.9	2.277	3.143	10.8	21.2
4 21	11 22.04	+15 11.3	2.371	3.146	13.4	21.3

461906 2006 PK_{24} 3 16.6 212.°51 2.°4/18.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.42	− 6 21.7	1.903	2.700	14.7	22.0
2 21	12 7.15	− 6 22.6	1.812	2.695	11.5	21.8
3 2	11 59.63	− 6 7.1	1.743	2.690	7.8	21.5
3 12	11 50.51	− 5 37.1	1.701	2.684	3.8	21.3
3 22	11 40.75	− 4 56.6	1.687	2.678	2.8	21.2
4 1	11 31.42	− 4 11.2	1.701	2.671	6.5	21.4
4 11	11 23.53	− 3 27.6	1.743	2.664	10.5	21.6
4 21	11 17.79	− 2 51.1	1.807	2.656	14.1	21.8

463196 2012 BB_{152} 3 16.6 287.°60 0.°3/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.84	− 0 28.8	1.592	2.421	15.7	20.8
2 21	12 7.09	− 0 22.6	1.506	2.412	11.9	20.5
3 2	11 59.76	− 0 2.5	1.442	2.403	7.5	20.2
3 12	11 50.60	+ 0 27.6	1.404	2.394	2.5	19.9
3 22	11 40.67	+ 1 2.2	1.393	2.386	2.7	19.9
4 1	11 31.25	+ 1 34.7	1.409	2.377	7.8	20.2
4 11	11 23.53	+ 1 58.9	1.449	2.368	12.4	20.4
4 21	11 18.27	+ 2 10.7	1.511	2.360	16.4	20.6

52477 1995 SG_{77} 3 16.6 228.°38 4.°1/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.86	−14 22.7	2.531	3.282	12.8	19.7
2 21	12 2.55	−14 24.6	2.431	3.276	10.4	19.5
3 2	11 56.59	−14 8.9	2.354	3.270	7.8	19.3
3 12	11 49.51	−13 36.3	2.303	3.264	5.3	19.1
3 22	11 41.96	−12 49.1	2.280	3.257	4.1	19.0
4 1	11 34.72	−11 51.5	2.286	3.250	5.5	19.1
4 11	11 28.49	−10 49.4	2.320	3.243	8.1	19.3
4 21	11 23.82	− 9 48.3	2.379	3.236	10.9	19.4

501115 2013 TU_{12} 3 16.6 233.°30 6.°5/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.83	−25 10.2	2.746	3.414	13.6	22.6
2 21	12 4.82	−25 6.9	2.624	3.396	11.9	22.5
3 2	11 58.04	−24 40.7	2.522	3.377	9.9	22.3
3 12	11 50.00	−23 50.0	2.444	3.356	7.9	22.1
3 22	11 41.38	−22 35.9	2.394	3.335	6.6	22.0
4 1	11 33.00	−21 2.2	2.373	3.313	6.9	22.0
4 11	11 25.63	−19 15.6	2.381	3.290	8.6	22.1
4 21	11 19.87	−17 23.7	2.416	3.266	10.9	22.2

82982 2001 QC_{144} 3 16.6 271.°11 0.°6/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.30	− 0 10.9	2.206	3.030	12.0	19.4
2 21	12 1.52	+ 0 43.3	2.118	3.023	9.0	19.1
3 2	11 56.01	+ 1 50.4	2.054	3.017	5.5	18.9
3 12	11 49.33	+ 3 5.2	2.019	3.010	1.7	18.6
3 22	11 42.20	+ 4 21.7	2.012	3.003	2.5	18.7
4 1	11 35.43	+ 5 33.2	2.035	2.996	6.4	18.9
4 11	11 29.79	+ 6 33.9	2.085	2.989	9.9	19.1
4 21	11 25.80	+ 7 20.0	2.157	2.982	13.0	19.3

262628 2006 WE_{21} 3 16.6 49.°94 0.°5/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.17	− 0 30.9	1.587	2.423	15.4	20.6
2 21	12 4.14	+ 0 13.8	1.518	2.429	11.5	20.3
3 2	11 57.80	+ 1 14.3	1.471	2.435	7.0	20.1
3 12	11 49.92	+ 2 24.5	1.450	2.441	2.1	19.8
3 22	11 41.55	+ 3 36.4	1.456	2.448	3.0	19.9
4 1	11 33.82	+ 4 41.4	1.490	2.455	7.8	20.2
4 11	11 27.74	+ 5 32.7	1.548	2.462	12.1	20.4
4 21	11 23.94	+ 6 6.3	1.627	2.469	15.7	20.7

244722 2003 QN_{85} 3 16.6 214.°13 2.°8/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.35	− 9 6.4	1.898	2.688	15.1	20.8
2 21	12 5.64	− 8 48.4	1.804	2.682	11.9	20.5
3 2	11 58.72	− 8 10.0	1.733	2.675	8.2	20.3
3 12	11 50.25	− 7 13.4	1.687	2.668	4.4	20.1
3 22	11 41.14	− 6 3.3	1.670	2.660	3.1	19.9
4 1	11 32.44	− 4 46.9	1.681	2.652	6.5	20.1
4 11	11 25.15	− 3 32.5	1.719	2.643	10.5	20.4
4 21	11 19.96	− 2 26.8	1.781	2.633	14.1	20.6

426011 2011 KF_{23} 3 16.6 7.°05 2.°9/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.18	− 8 56.2	1.762	2.564	15.5	20.8
2 21	12 2.57	− 8 42.2	1.680	2.564	12.2	20.6
3 2	11 56.82	− 8 7.3	1.620	2.565	8.4	20.4
3 12	11 49.63	− 7 14.2	1.585	2.566	4.5	20.1
3 22	11 41.89	− 6 7.8	1.577	2.568	3.1	20.1
4 1	11 34.66	− 4 55.8	1.597	2.570	6.5	20.3
4 11	11 28.87	− 3 46.2	1.642	2.572	10.4	20.5
4 21	11 25.16	− 2 45.9	1.710	2.574	14.0	20.7

242062 2002 TE_3 3 16.6 240.°83 1.°6/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.78	+ 5 5.0	2.473	3.298	10.9	20.6
2 21	12 4.71	+ 5 34.8	2.378	3.285	8.1	20.4
3 2	11 57.92	+ 6 11.1	2.308	3.271	4.9	20.2
3 12	11 49.95	+ 6 49.7	2.268	3.257	1.9	20.0
3 22	11 41.51	+ 7 26.1	2.257	3.243	3.1	20.0
4 1	11 33.38	+ 7 55.6	2.276	3.228	6.4	20.2
4 11	11 26.32	+ 8 14.9	2.322	3.212	9.7	20.4
4 21	11 20.87	+ 8 22.0	2.392	3.197	12.5	20.6

28184 Vaishnavirao 3 16.6 233.°25 2.°4/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.52	+ 5 1.0	1.687	2.523	14.6	19.4
2 21	12 8.26	+ 5 45.5	1.600	2.512	10.9	19.1
3 2	12 0.45	+ 6 40.7	1.536	2.501	6.6	18.8
3 12	11 50.84	+ 7 39.8	1.499	2.489	2.8	18.5
3 22	11 40.46	+ 8 35.1	1.490	2.476	4.5	18.6
4 1	11 30.58	+ 9 19.0	1.509	2.462	9.0	18.9
4 11	11 22.34	+ 9 46.0	1.553	2.448	13.3	19.1
4 21	11 16.52	+ 9 54.0	1.618	2.433	17.0	19.3

470816 2008 VF_{73} 3 16.6 228.°17 4.°9/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.03	+15 8.7	2.347	3.190	10.8	21.4
2 21	12 4.23	+16 17.9	2.269	3.181	8.2	21.3
3 2	11 57.64	+17 27.8	2.218	3.172	5.8	21.1
3 12	11 49.86	+18 31.4	2.196	3.163	5.0	21.0
3 22	11 41.64	+19 22.5	2.202	3.153	6.5	21.1
4 1	11 33.82	+19 56.4	2.235	3.143	9.1	21.2
4 11	11 27.17	+20 10.6	2.294	3.132	11.8	21.4
4 21	11 22.25	+20 5.4	2.373	3.121	14.2	21.6

374979 2007 EM_9 3 16.6 89.°32 3.°1/14.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 19.42	+10 28.8	1.835	2.665	13.8	21.0
2 21	12 12.20	+10 27.8	1.763	2.672	10.3	20.8
3 2	12 2.59	+10 27.7	1.717	2.678	6.5	20.6
3 12	11 51.44	+10 23.4	1.698	2.684	3.3	20.4
3 22	11 39.87	+10 10.7	1.709	2.690	4.6	20.5
4 1	11 29.07	+ 9 46.7	1.748	2.696	8.4	20.7
4 11	11 20.07	+ 9 10.3	1.815	2.702	12.1	21.0
4 21	11 13.48	+ 8 22.3	1.904	2.708	15.2	21.2

54202 2000 HQ_{80} 3 16.6 88.°33 8.°8/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.84	+21 58.7	1.695	2.548	13.7	18.7
2 21	12 6.09	+23 43.9	1.647	2.555	11.0	18.5
3 2	11 58.95	+25 22.1	1.625	2.561	9.1	18.4
3 12	11 50.29	+26 42.3	1.628	2.568	9.0	18.4
3 22	11 41.20	+27 36.0	1.656	2.574	10.8	18.5
4 1	11 32.90	+27 58.6	1.708	2.581	13.3	18.7
4 11	11 26.37	+27 50.4	1.781	2.587	16.0	18.9
4 21	11 22.22	+27 15.0	1.872	2.593	18.3	19.1

368592 2004 RO_{66} 3 16.6 127.°09 0.°2/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.77	+ 0 38.6	2.268	3.081	12.1	21.5
2 21	12 6.11	+ 0 58.1	2.196	3.095	9.1	21.3
3 2	11 58.70	+ 1 26.9	2.149	3.108	5.5	21.1
3 12	11 50.17	+ 2 1.2	2.131	3.121	1.7	20.8
3 22	11 41.33	+ 2 36.5	2.142	3.134	2.2	20.9
4 1	11 33.00	+ 3 8.3	2.184	3.146	5.9	21.2
4 11	11 25.96	+ 3 32.5	2.253	3.157	9.3	21.4
4 21	11 20.68	+ 3 46.6	2.346	3.168	12.2	21.6

374520 2005 YC_{292} 3 16.6 181.°90 0.°8/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.85	− 3 29.1	2.126	2.934	13.0	21.8
2 21	12 4.19	− 3 3.2	2.041	2.935	9.9	21.6
3 2	11 57.66	− 2 23.2	1.980	2.935	6.3	21.4
3 12	11 49.88	− 1 32.8	1.946	2.935	2.4	21.2
3 22	11 41.63	− 0 37.0	1.942	2.934	2.0	21.1
4 1	11 33.82	+ 0 18.4	1.966	2.934	6.0	21.4
4 11	11 27.26	+ 1 7.5	2.018	2.933	9.6	21.6
4 21	11 22.51	+ 1 46.2	2.093	2.931	12.8	21.8

146258 2001 AO_{22} 3 16.6 102.°92 0.°5/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.69	− 2 42.4	2.787	3.588	10.4	21.0
2 21	12 2.06	− 2 14.0	2.716	3.608	7.8	20.8
3 2	11 56.10	− 1 35.8	2.672	3.626	4.9	20.6
3 12	11 49.33	− 0 50.9	2.656	3.645	1.8	20.5
3 22	11 42.32	− 0 3.2	2.670	3.663	1.6	20.5
4 1	11 35.71	+ 0 43.2	2.715	3.681	4.7	20.7
4 11	11 30.07	+ 1 24.3	2.788	3.698	7.5	20.9
4 21	11 25.79	+ 1 57.2	2.887	3.715	10.0	21.1

159435 1999 VJ_{178} 3 16.6 138.°79 4.°4/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.32	+13 20.2	2.243	3.084	11.3	20.3
2 21	12 5.11	+14 20.7	2.180	3.092	8.4	20.1
3 2	11 58.11	+15 22.0	2.143	3.101	5.7	20.0
3 12	11 49.99	+16 17.4	2.135	3.109	4.4	19.9
3 22	11 41.55	+17 1.1	2.156	3.116	5.9	20.0
4 1	11 33.65	+17 28.6	2.204	3.123	8.6	20.2
4 11	11 27.04	+17 38.1	2.278	3.130	11.3	20.4
4 21	11 22.23	+17 29.8	2.373	3.137	13.8	20.5

173956 2001 XA_{14} 3 16.6 177.°67 1.°0/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.40	− 3 20.6	2.627	3.425	11.1	20.6
2 21	12 3.52	− 3 12.5	2.538	3.426	8.5	20.4
3 2	11 57.10	− 2 54.0	2.475	3.427	5.4	20.2
3 12	11 49.68	− 2 27.4	2.440	3.427	2.2	20.0
3 22	11 41.88	− 1 56.1	2.435	3.427	1.8	19.9
4 1	11 34.44	− 1 23.9	2.460	3.427	4.9	20.1
4 11	11 27.99	− 0 54.9	2.513	3.427	8.0	20.3
4 21	11 23.04	− 0 32.3	2.591	3.427	10.8	20.5

23292 2000 YH_{128} 3 16.6 184.°54 0.°5/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.69	+ 0 40.7	2.097	2.913	12.9	19.6
2 21	12 7.07	+ 1 12.4	2.013	2.914	9.7	19.4
3 2	11 59.44	+ 1 55.3	1.953	2.914	5.9	19.1
3 12	11 50.46	+ 2 44.8	1.922	2.913	1.8	18.9
3 22	11 40.98	+ 3 35.4	1.920	2.911	2.6	18.9
4 1	11 31.98	+ 4 21.5	1.948	2.908	6.6	19.2
4 11	11 24.32	+ 4 57.8	2.003	2.905	10.4	19.4
4 21	11 18.61	+ 5 21.4	2.081	2.901	13.6	19.6

57054 2001 MB_{13} 3 16.6 101.°54 5.°6/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.11	−14 49.6	1.942	2.695	16.0	19.3
2 21	12 8.26	−15 24.3	1.869	2.712	13.1	19.1
3 2	12 0.21	−15 38.1	1.817	2.729	9.9	18.9
3 12	11 50.70	−15 30.5	1.790	2.746	7.0	18.8
3 22	11 40.72	−15 3.6	1.790	2.763	5.6	18.7
4 1	11 31.35	−14 22.3	1.819	2.779	7.1	18.8
4 11	11 23.54	−13 33.5	1.874	2.794	9.9	19.0
4 21	11 17.91	−12 44.2	1.953	2.810	12.9	19.3

330393 2006 YJ_{14} 3 16.6 48.°81 2.°1/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.67	+ 3 49.0	1.622	2.467	14.7	21.0
2 21	12 4.47	+ 4 40.7	1.556	2.473	10.8	20.8
3 2	11 57.98	+ 5 43.6	1.513	2.479	6.5	20.6
3 12	11 50.00	+ 6 50.6	1.496	2.486	2.5	20.3
3 22	11 41.55	+ 7 53.4	1.506	2.493	4.1	20.4
4 1	11 33.75	+ 8 44.7	1.544	2.500	8.5	20.7
4 11	11 27.60	+ 9 19.1	1.605	2.507	12.5	21.0
4 21	11 23.69	+ 9 34.4	1.688	2.514	15.9	21.2

385937 2006 UT_{110} 3 16.6 112.°07 2.°1/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.45	− 9 20.1	2.491	3.272	12.1	21.6
2 21	12 1.38	− 8 45.4	2.410	3.282	9.5	21.4
3 2	11 55.80	− 7 54.5	2.352	3.292	6.5	21.2
3 12	11 49.26	− 6 50.3	2.322	3.302	3.4	21.1
3 22	11 42.40	− 5 37.4	2.321	3.311	2.3	21.0
4 1	11 35.94	− 4 21.3	2.351	3.321	4.9	21.2
4 11	11 30.51	− 3 8.1	2.408	3.330	8.0	21.4
4 21	11 26.58	− 2 2.7	2.491	3.339	10.7	21.6

61306 2000 OF_{49} 3 16.6 231.°02 2.°3/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.78	+ 5 29.2	1.972	2.801	13.1	20.1
2 21	12 8.16	+ 6 12.1	1.878	2.787	9.8	19.8
3 2	12 0.27	+ 7 3.9	1.808	2.772	6.0	19.6
3 12	11 50.77	+ 7 58.6	1.767	2.756	2.6	19.3
3 22	11 40.59	+ 8 49.7	1.755	2.739	4.1	19.4
4 1	11 30.78	+ 9 30.8	1.772	2.721	8.1	19.6
4 11	11 22.39	+ 9 57.0	1.815	2.703	12.0	19.8
4 21	11 16.11	+10 6.3	1.880	2.684	15.4	20.0

210694 2000 SK_{62} 3 16.6 243.°02 2.°5/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.41	+10 3.8	2.653	3.475	10.3	20.4
2 21	12 8.01	+10 14.3	2.558	3.463	7.7	20.2
3 2	11 59.88	+10 26.4	2.490	3.450	4.8	20.0
3 12	11 50.59	+10 36.0	2.452	3.437	2.6	19.8
3 22	11 40.85	+10 39.6	2.445	3.423	3.7	19.9
4 1	11 31.47	+10 34.2	2.468	3.409	6.6	20.0
4 11	11 23.20	+10 18.2	2.520	3.395	9.6	20.2
4 21	11 16.57	+ 9 51.1	2.596	3.381	12.2	20.3

304437 2006 TK_{99} 3 16.6 299.°65 4.°5/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.81	−16 48.3	2.181	2.933	14.5	20.5
2 21	12 0.60	−16 17.2	2.072	2.917	12.0	20.3
3 2	11 55.56	−15 21.1	1.986	2.901	9.1	20.1
3 12	11 49.25	−14 0.9	1.924	2.885	6.1	19.9
3 22	11 42.38	−12 20.5	1.890	2.870	4.5	19.8
4 1	11 35.81	−10 26.8	1.885	2.854	6.0	19.8
4 11	11 30.38	− 8 28.9	1.908	2.839	9.2	20.0
4 21	11 26.67	− 6 35.8	1.957	2.824	12.4	20.2

348417 2005 NW_8 3 16.6 193.°27 4.°0/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.65	+12 52.3	2.671	3.514	9.6	21.2
2 21	12 1.50	+14 12.9	2.599	3.512	7.2	21.0
3 2	11 55.88	+15 35.5	2.554	3.511	4.9	20.9
3 12	11 49.30	+16 54.1	2.538	3.509	4.1	20.8
3 22	11 42.37	+18 2.8	2.552	3.507	5.4	20.9
4 1	11 35.80	+18 56.8	2.594	3.504	7.8	21.0
4 11	11 30.20	+19 33.5	2.662	3.502	10.3	21.2
4 21	11 26.02	+19 52.2	2.752	3.499	12.4	21.4

498395 2007 XW_{31} 3 16.6 150.°96 2.°5/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.50	+ 8 34.1	2.622	3.454	10.1	22.3
2 21	12 3.54	+ 9 17.4	2.550	3.461	7.4	22.2
3 2	11 57.08	+10 4.4	2.505	3.467	4.6	22.0
3 12	11 49.67	+10 50.2	2.488	3.473	2.6	21.9
3 22	11 41.96	+11 30.2	2.502	3.478	3.8	22.0
4 1	11 34.67	+12 0.4	2.545	3.484	6.6	22.1
4 11	11 28.43	+12 18.2	2.614	3.488	9.3	22.3
4 21	11 23.69	+12 22.7	2.708	3.493	11.7	22.5

230247 2001 VC_4 3 16.6 314.°61 10.°1/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.10	−25 48.9	1.712	2.423	19.3	19.5
2 21	12 3.00	−26 30.5	1.614	2.410	17.1	19.3
3 2	11 57.39	−26 41.1	1.533	2.397	14.5	19.0
3 12	11 49.92	−26 16.3	1.472	2.385	12.0	18.9
3 22	11 41.57	−25 15.4	1.434	2.373	10.3	18.7
4 1	11 33.59	−23 42.7	1.419	2.361	10.4	18.7
4 11	11 27.18	−21 48.1	1.428	2.350	12.3	18.8
4 21	11 23.21	−19 43.9	1.460	2.339	15.1	18.9

228866 2003 HM_4 3 16.6 250.°26 6.°5/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.05	+18 42.1	2.117	2.961	11.7	20.6
2 21	12 6.00	+19 58.1	2.039	2.947	9.2	20.4
3 2	11 58.86	+21 12.4	1.987	2.932	7.1	20.2
3 12	11 50.30	+22 16.6	1.962	2.917	6.6	20.2
3 22	11 41.19	+23 3.6	1.965	2.901	8.2	20.2
4 1	11 32.52	+23 28.4	1.994	2.885	10.8	20.4
4 11	11 25.22	+23 29.1	2.047	2.869	13.6	20.5
4 21	11 19.91	+23 7.1	2.119	2.853	16.1	20.7

211234 2002 PR_{173} 3 16.6 222.°57 0.°8/17.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.17	− 4 24.7	1.927	2.737	14.1	21.3
2 21	12 4.71	− 3 44.9	1.835	2.730	10.8	21.1
3 2	11 58.13	− 2 47.5	1.766	2.722	6.9	20.8
3 12	11 50.08	− 1 36.6	1.725	2.713	2.6	20.5
3 22	11 41.43	− 0 18.3	1.712	2.704	2.2	20.5
4 1	11 33.19	+ 0 59.6	1.727	2.695	6.6	20.7
4 11	11 26.30	+ 2 9.7	1.770	2.685	10.7	21.0
4 21	11 21.42	+ 3 6.3	1.835	2.675	14.3	21.2

344364 2001 XX_{96} 3 16.6 149.°28 5.°2/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.65	−21 35.5	3.097	3.787	11.8	20.7
2 21	12 2.84	−21 45.8	3.005	3.797	10.1	20.5
3 2	11 56.65	−21 38.6	2.935	3.806	8.1	20.4
3 12	11 49.54	−21 13.6	2.891	3.814	6.3	20.3
3 22	11 42.11	−20 32.4	2.874	3.822	5.3	20.2
4 1	11 34.99	−19 38.1	2.886	3.830	5.7	20.3
4 11	11 28.79	−18 35.6	2.927	3.837	7.2	20.4
4 21	11 23.93	−17 29.9	2.994	3.844	9.1	20.5

402915 2007 TW_{126} 3 16.6 125.°42 0.°1/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.10	− 2 8.8	1.927	2.740	14.0	22.7
2 21	12 6.63	− 1 27.2	1.860	2.757	10.5	22.5
3 2	11 59.13	− 0 31.3	1.816	2.774	6.5	22.3
3 12	11 50.35	+ 0 33.7	1.800	2.790	2.1	22.1
3 22	11 41.21	+ 1 41.4	1.813	2.806	2.3	22.1
4 1	11 32.71	+ 2 44.8	1.856	2.820	6.6	22.4
4 11	11 25.70	+ 3 38.0	1.926	2.834	10.4	22.6
4 21	11 20.74	+ 4 17.3	2.018	2.848	13.6	22.9

251627 Joyceearl 3 16.6 279.°06 7.°2/23.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.43	−20 58.2	2.521	3.220	14.0	21.0
2 21	12 7.01	−21 59.9	2.405	3.200	12.2	20.9
3 2	11 59.56	−22 44.2	2.311	3.180	10.1	20.7
3 12	11 50.58	−23 8.7	2.243	3.160	8.2	20.5
3 22	11 40.80	−23 12.1	2.200	3.140	7.2	20.4
4 1	11 31.14	−22 56.0	2.186	3.120	7.8	20.4
4 11	11 22.51	−22 24.7	2.199	3.099	9.7	20.5
4 21	11 15.64	−21 44.2	2.236	3.079	12.0	20.6

504393 2007 VM_{259} 3 16.6 206.°13 0.°6/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.95	− 4 6.4	2.506	3.309	11.4	22.7
2 21	12 1.81	− 3 24.4	2.414	3.306	8.7	22.5
3 2	11 56.12	− 2 28.9	2.348	3.302	5.5	22.3
3 12	11 49.39	− 1 23.7	2.309	3.298	2.1	22.1
3 22	11 42.27	− 0 13.4	2.301	3.294	1.8	22.0
4 1	11 35.48	+ 0 56.3	2.322	3.289	5.2	22.2
4 11	11 29.69	+ 1 59.8	2.372	3.284	8.5	22.4
4 21	11 25.39	+ 2 53.1	2.446	3.279	11.4	22.6

9538 1982 UM_2 3 16.6 111.°64 0.°4/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.46	− 0 32.0	1.829	2.653	14.2	17.9
2 21	12 5.53	+ 0 10.1	1.762	2.666	10.6	17.7
3 2	11 58.52	+ 1 5.6	1.718	2.679	6.4	17.5
3 12	11 50.17	+ 2 9.2	1.701	2.692	2.0	17.2
3 22	11 41.42	+ 3 14.0	1.713	2.704	2.6	17.3
4 1	11 33.31	+ 4 13.0	1.753	2.716	7.0	17.6
4 11	11 26.72	+ 5 0.3	1.819	2.728	10.9	17.9
4 21	11 22.20	+ 5 32.5	1.908	2.739	14.2	18.1

222376 2001 AC_{31} 3 16.6 142.°38 5.°2/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.08	−18 6.0	2.582	3.301	13.3	20.3
2 21	12 5.60	−18 22.3	2.496	3.314	11.1	20.2
3 2	11 58.42	−18 19.9	2.433	3.326	8.7	20.0
3 12	11 50.13	−17 58.7	2.395	3.337	6.4	19.9
3 22	11 41.44	−17 20.5	2.385	3.348	5.2	19.8
4 1	11 33.17	−16 29.2	2.405	3.358	6.0	19.9
4 11	11 26.03	−15 30.4	2.453	3.368	8.2	20.1
4 21	11 20.54	−14 30.2	2.526	3.377	10.5	20.2

26990 Culbertson 3 16.6 210.°47 4.°7/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.16	+15 27.2	2.473	3.313	10.4	18.6
2 21	12 4.21	+16 25.9	2.399	3.309	7.9	18.5
3 2	11 57.58	+17 24.4	2.351	3.304	5.6	18.3
3 12	11 49.86	+18 16.3	2.332	3.299	4.7	18.2
3 22	11 41.76	+18 56.4	2.342	3.294	6.1	18.3
4 1	11 34.07	+19 20.5	2.380	3.289	8.5	18.5
4 11	11 27.53	+19 26.7	2.443	3.283	11.1	18.6
4 21	11 22.62	+19 15.4	2.528	3.277	13.4	18.8

53552 2000 BC_{33} 3 16.6 199.°34 1.°3/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.43	+ 1 30.2	1.692	2.522	14.8	19.8
2 21	12 7.35	+ 2 19.6	1.610	2.519	11.1	19.5
3 2	11 59.84	+ 3 23.0	1.552	2.516	6.7	19.3
3 12	11 50.65	+ 4 34.3	1.521	2.512	2.2	19.0
3 22	11 40.82	+ 5 45.4	1.518	2.507	3.5	19.0
4 1	11 31.53	+ 6 48.0	1.543	2.502	8.2	19.3
4 11	11 23.88	+ 7 35.7	1.593	2.496	12.5	19.5
4 21	11 18.57	+ 8 5.0	1.665	2.489	16.2	19.8

235608 2004 PC_{79} 3 16.6 198.°28 3.°1/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.81	−10 32.8	2.403	3.171	12.9	21.2
2 21	12 4.80	−10 29.2	2.306	3.168	10.3	21.0
3 2	11 58.02	−10 9.2	2.233	3.165	7.3	20.8
3 12	11 50.03	− 9 34.3	2.187	3.160	4.3	20.6
3 22	11 41.55	− 8 47.3	2.170	3.156	3.2	20.5
4 1	11 33.40	− 7 53.1	2.182	3.150	5.4	20.6
4 11	11 26.38	− 6 57.5	2.223	3.144	8.6	20.8
4 21	11 21.03	− 6 5.7	2.289	3.138	11.5	21.0

65002 2002 AT_{70} 3 16.6 288.°04 5.°4/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.82	+10 58.7	1.423	2.281	15.6	19.2
2 21	12 7.46	+12 2.2	1.341	2.264	11.7	18.9
3 2	12 0.21	+13 12.5	1.282	2.246	7.7	18.6
3 12	11 50.84	+14 19.8	1.248	2.229	5.4	18.5
3 22	11 40.56	+15 13.6	1.240	2.212	7.6	18.5
4 1	11 30.84	+15 45.4	1.256	2.194	11.9	18.7
4 11	11 23.01	+15 50.8	1.295	2.177	16.3	18.9
4 21	11 17.97	+15 29.8	1.352	2.160	20.1	19.1

121155 1999 JH_{95} 3 16.6 301.°65 9.°2/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.00	+22 50.4	1.675	2.528	13.8	19.3
2 21	12 6.50	+24 21.0	1.606	2.513	11.3	19.1
3 2	11 59.41	+25 45.9	1.562	2.497	9.5	19.0
3 12	11 50.53	+26 53.7	1.542	2.482	9.4	18.9
3 22	11 40.98	+27 35.3	1.547	2.467	11.2	19.0
4 1	11 32.04	+27 45.3	1.576	2.452	14.0	19.1
4 11	11 24.87	+27 23.1	1.625	2.438	16.9	19.3
4 21	11 20.21	+26 32.2	1.691	2.423	19.6	19.4

2124 Nissen 3 16.6 233.°84 3.°9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.59	+12 45.4	2.384	3.223	10.7	16.9
2 21	12 4.59	+13 30.8	2.305	3.217	8.0	16.7
3 2	11 57.84	+14 17.6	2.252	3.211	5.4	16.5
3 12	11 49.96	+14 59.9	2.228	3.204	3.9	16.4
3 22	11 41.67	+15 32.7	2.232	3.198	5.3	16.5
4 1	11 33.79	+15 51.7	2.265	3.191	8.0	16.7
4 11	11 27.08	+15 54.7	2.324	3.184	10.9	16.8
4 21	11 22.07	+15 41.6	2.404	3.176	13.4	17.0

376701 2013 RS_1 3 16.6 126.°50 0.°2/16.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.42	− 2 25.4	2.070	2.884	13.1	22.2
2 21	12 3.85	− 1 44.2	1.995	2.894	9.9	22.0
3 2	11 57.44	− 0 49.2	1.944	2.902	6.1	21.8
3 12	11 49.83	+ 0 15.2	1.921	2.911	2.1	21.6
3 22	11 41.83	+ 1 22.9	1.927	2.919	2.1	21.6
4 1	11 34.34	+ 2 27.4	1.962	2.927	6.2	21.9
4 11	11 28.14	+ 3 22.9	2.024	2.935	9.8	22.1
4 21	11 23.76	+ 4 5.4	2.109	2.942	13.0	22.3

436941 2012 TE_{133} 3 16.6 98.°91 0.°1/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.89	− 2 13.5	2.307	3.121	11.9	21.4
2 21	12 1.78	− 1 19.1	2.234	3.133	8.9	21.2
3 2	11 56.08	− 0 12.0	2.187	3.146	5.5	21.0
3 12	11 49.38	+ 1 3.1	2.167	3.158	1.7	20.8
3 22	11 42.36	+ 2 20.4	2.178	3.170	2.1	20.8
4 1	11 35.79	+ 3 33.4	2.218	3.181	5.7	21.1
4 11	11 30.34	+ 4 36.9	2.285	3.193	9.0	21.3
4 21	11 26.48	+ 5 27.2	2.377	3.204	11.9	21.5

55469 2001 TT_{205} 3 16.6 336.°53 10.°1/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.56	+23 35.1	1.454	2.312	15.3	18.2
2 21	12 7.88	+24 54.2	1.395	2.304	12.5	18.0
3 2	12 0.32	+26 4.4	1.359	2.296	10.5	17.8
3 12	11 50.82	+26 53.7	1.345	2.289	10.2	17.8
3 22	11 40.70	+27 13.0	1.356	2.282	12.0	17.9
4 1	11 31.45	+26 58.0	1.390	2.276	14.9	18.0
4 11	11 24.29	+26 9.7	1.443	2.271	17.9	18.2
4 21	11 19.94	+24 53.3	1.513	2.266	20.7	18.4

222711 2002 AL_{99} 3 16.6 143.°89 3.°8/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.54	+ 9 31.9	1.963	2.807	12.5	20.7
2 21	12 4.80	+10 36.0	1.895	2.811	9.2	20.5
3 2	11 58.07	+11 45.0	1.852	2.815	5.9	20.4
3 12	11 50.04	+12 51.6	1.837	2.819	3.8	20.2
3 22	11 41.61	+13 48.6	1.850	2.822	5.5	20.3
4 1	11 33.72	+14 30.1	1.891	2.826	8.8	20.5
4 11	11 27.24	+14 52.9	1.957	2.829	12.0	20.7
4 21	11 22.74	+14 56.4	2.044	2.832	14.9	20.9

292861 2006 VZ 3 16.6 8.°98 10.°2/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.20	+20 3.4	1.205	2.084	16.2	18.9
2 21	12 2.62	+22 0.6	1.162	2.086	12.9	18.7
3 2	11 57.14	+23 51.7	1.140	2.090	10.6	18.6
3 12	11 49.80	+25 21.7	1.142	2.094	10.5	18.6
3 22	11 41.93	+26 19.1	1.166	2.101	12.7	18.7
4 1	11 35.00	+26 37.7	1.211	2.108	15.8	18.9
4 11	11 30.21	+26 18.3	1.275	2.117	19.0	19.1
4 21	11 28.17	+25 26.1	1.354	2.127	21.8	19.4

282845 2006 UZ_{291} 3 16.6 63.°14 4.°4/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.93	−13 37.8	2.217	2.978	14.0	20.6
2 21	12 3.51	−13 51.2	2.132	2.983	11.4	20.4
3 2	11 57.27	−13 46.1	2.068	2.988	8.5	20.2
3 12	11 49.80	−13 23.0	2.031	2.993	5.7	20.1
3 22	11 41.87	−12 44.3	2.020	2.998	4.4	20.0
4 1	11 34.37	−11 54.9	2.038	3.003	6.0	20.1
4 11	11 28.07	−11 0.7	2.083	3.009	8.8	20.3
4 21	11 23.53	−10 7.9	2.153	3.014	11.7	20.5

189619 2001 BW_{57} 3 16.6 131.°20 1.°0/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.24	+ 1 23.6	2.137	2.962	12.4	20.3
2 21	12 3.67	+ 2 10.7	2.063	2.969	9.2	20.1
3 2	11 57.31	+ 3 8.5	2.014	2.977	5.5	19.9
3 12	11 49.80	+ 4 11.7	1.993	2.984	1.7	19.7
3 22	11 41.91	+ 5 14.3	2.001	2.991	2.8	19.8
4 1	11 34.51	+ 6 10.2	2.039	2.997	6.5	20.0
4 11	11 28.35	+ 6 54.7	2.103	3.003	10.0	20.2
4 21	11 23.97	+ 7 24.9	2.190	3.009	13.0	20.5

320240 2007 JG_{33} 3 16.6 126.°32 3.°5/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.07	+ 9 32.3	2.240	3.079	11.3	20.8
2 21	12 4.17	+10 39.8	2.178	3.092	8.3	20.6
3 2	11 57.55	+11 51.2	2.142	3.104	5.3	20.4
3 12	11 49.86	+12 59.9	2.135	3.116	3.5	20.3
3 22	11 41.85	+13 59.6	2.157	3.127	5.0	20.5
4 1	11 34.37	+14 45.2	2.207	3.138	7.9	20.7
4 11	11 28.14	+15 13.7	2.284	3.149	10.8	20.9
4 21	11 23.64	+15 24.6	2.382	3.159	13.3	21.1

439726 2015 DT_{210} 3 16.6 203.°77 3.°8/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.60	+11 57.1	2.481	3.323	10.3	21.1
2 21	12 2.30	+13 1.8	2.407	3.321	7.6	21.0
3 2	11 56.42	+14 8.8	2.360	3.320	5.1	20.8
3 12	11 49.50	+15 12.2	2.342	3.318	3.8	20.7
3 22	11 42.24	+16 6.4	2.352	3.316	5.2	20.8
4 1	11 35.36	+16 46.7	2.391	3.313	7.9	21.0
4 11	11 29.54	+17 10.3	2.456	3.311	10.5	21.1
4 21	11 25.27	+17 16.8	2.543	3.308	12.9	21.3

134678 1999 WZ_{16} 3 16.6 237.°89 2.°3/14.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.72	+ 5 23.4	1.804	2.639	13.8	20.9
2 21	12 7.51	+ 6 0.6	1.717	2.629	10.3	20.6
3 2	11 59.94	+ 6 46.9	1.654	2.619	6.3	20.4
3 12	11 50.71	+ 7 36.0	1.618	2.607	2.6	20.1
3 22	11 40.81	+ 8 21.3	1.611	2.596	4.2	20.2
4 1	11 31.38	+ 8 56.3	1.631	2.584	8.4	20.4
4 11	11 23.48	+ 9 16.2	1.677	2.572	12.5	20.6
4 21	11 17.83	+ 9 19.0	1.744	2.559	16.0	20.8

100047 Leobaeck 3 16.6 229.°71 1.°0/17.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.11	− 3 42.5	2.021	2.827	13.7	20.5
2 21	12 6.12	− 3 19.0	1.923	2.815	10.5	20.2
3 2	11 59.01	− 2 40.3	1.849	2.803	6.7	20.0
3 12	11 50.40	− 1 49.4	1.802	2.790	2.6	19.7
3 22	11 41.15	− 0 51.7	1.784	2.777	2.2	19.6
4 1	11 32.24	+ 0 6.7	1.795	2.763	6.4	19.9
4 11	11 24.64	+ 0 59.1	1.834	2.748	10.5	20.1
4 21	11 19.03	+ 1 40.7	1.896	2.733	14.0	20.3

273115 2006 FH_{39} 3 16.6 242.°74 0.°7/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.57	− 3 24.3	2.101	2.912	13.0	20.5
2 21	12 3.34	− 2 53.0	2.010	2.906	9.9	20.3
3 2	11 57.22	− 2 7.1	1.943	2.899	6.3	20.0
3 12	11 49.80	− 1 10.2	1.903	2.892	2.3	19.8
3 22	11 41.87	− 0 7.5	1.892	2.885	2.1	19.7
4 1	11 34.33	+ 0 54.5	1.910	2.878	6.1	20.0
4 11	11 27.99	+ 1 49.7	1.955	2.870	9.9	20.2
4 21	11 23.46	+ 2 33.6	2.023	2.863	13.2	20.4

456740 2007 TF_{23} 3 16.6 103.°45 0.°4/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.27	+ 0 43.3	1.737	2.558	14.9	21.5
2 21	12 9.11	+ 1 4.5	1.677	2.580	11.1	21.3
3 2	12 0.70	+ 1 37.3	1.640	2.600	6.8	21.1
3 12	11 50.88	+ 2 16.8	1.630	2.621	2.1	20.8
3 22	11 40.72	+ 2 56.9	1.649	2.640	2.7	20.9
4 1	11 31.36	+ 3 31.7	1.696	2.659	7.2	21.2
4 11	11 23.75	+ 3 56.2	1.770	2.678	11.2	21.5
4 21	11 18.44	+ 4 8.0	1.866	2.696	14.5	21.7

517573 2014 UO_{68} 3 16.6 198.°84 0.°3/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.22	− 1 56.1	1.948	2.762	13.8	22.0
2 21	12 6.18	− 1 25.2	1.861	2.760	10.5	21.8
3 2	11 59.01	− 0 39.9	1.798	2.756	6.5	21.6
3 12	11 50.39	+ 0 15.5	1.763	2.753	2.2	21.3
3 22	11 41.22	+ 1 15.3	1.756	2.748	2.3	21.3
4 1	11 32.49	+ 2 12.7	1.778	2.743	6.7	21.5
4 11	11 25.16	+ 3 1.6	1.827	2.738	10.7	21.8
4 21	11 19.87	+ 3 37.6	1.898	2.732	14.2	22.0

122449 2000 QG_{137} 3 16.6 157.°44 6.°7/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.33	−20 38.3	2.189	2.905	15.5	20.5
2 21	12 5.43	−21 3.4	2.099	2.910	13.2	20.3
3 2	11 58.52	−21 5.7	2.030	2.914	10.6	20.1
3 12	11 50.23	−20 43.8	1.985	2.918	8.2	20.0
3 22	11 41.40	−19 59.2	1.967	2.922	6.8	19.9
4 1	11 32.99	−18 56.4	1.975	2.925	7.4	19.9
4 11	11 25.89	−17 42.5	2.011	2.928	9.6	20.1
4 21	11 20.72	−16 25.2	2.071	2.930	12.1	20.2

400531 2008 TW_{65} 3 16.6 172.°93 2.°0/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.78	− 7 24.6	1.790	2.588	15.5	22.5
2 21	12 6.74	− 6 52.8	1.707	2.591	12.1	22.3
3 2	11 59.41	− 6 0.5	1.646	2.594	8.0	22.0
3 12	11 50.53	− 4 51.2	1.612	2.596	3.7	21.8
3 22	11 41.07	− 3 31.0	1.606	2.598	2.6	21.7
4 1	11 32.16	− 2 8.3	1.628	2.598	6.7	21.9
4 11	11 24.79	− 0 51.5	1.678	2.598	10.9	22.2
4 21	11 19.65	+ 0 12.8	1.750	2.597	14.6	22.4

133140 2003 QM_7 3 16.6 165.°46 0.°8/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.95	− 3 38.1	2.034	2.838	13.7	21.4
2 21	12 6.57	− 3 8.9	1.952	2.844	10.4	21.2
3 2	11 59.16	− 2 24.9	1.895	2.849	6.6	21.0
3 12	11 50.42	− 1 29.9	1.865	2.853	2.5	20.7
3 22	11 41.21	− 0 29.5	1.864	2.857	2.1	20.7
4 1	11 32.51	+ 0 30.1	1.893	2.860	6.2	20.9
4 11	11 25.18	+ 1 22.5	1.949	2.862	10.1	21.2
4 21	11 19.83	+ 2 3.6	2.029	2.863	13.4	21.4

375308 2008 RV_{10} 3 16.6 166.°29 0.°7/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.21	+ 1 44.3	2.287	3.106	11.9	21.6
2 21	12 5.06	+ 2 10.7	2.207	3.110	8.8	21.4
3 2	11 58.15	+ 2 46.1	2.151	3.113	5.4	21.2
3 12	11 50.08	+ 3 26.3	2.124	3.115	1.7	20.9
3 22	11 41.62	+ 4 6.7	2.127	3.117	2.4	21.0
4 1	11 33.61	+ 4 42.4	2.159	3.119	6.1	21.2
4 11	11 26.79	+ 5 9.3	2.219	3.121	9.5	21.4
4 21	11 21.69	+ 5 25.0	2.302	3.122	12.4	21.6

329987 2005 SD_{237} 3 16.6 126.°34 4.°3/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.57	−15 8.6	1.999	2.760	15.4	20.8
2 21	12 3.40	−14 45.3	1.916	2.768	12.5	20.6
3 2	11 57.26	−13 58.0	1.854	2.775	9.2	20.4
3 12	11 49.82	−12 48.3	1.817	2.782	6.0	20.2
3 22	11 41.92	−11 21.0	1.807	2.789	4.3	20.1
4 1	11 34.53	− 9 43.4	1.827	2.796	6.2	20.2
4 11	11 28.48	− 8 4.6	1.874	2.802	9.4	20.4
4 21	11 24.36	− 6 32.5	1.945	2.808	12.6	20.6

135637 2002 JX_{91} 3 16.6 241.°98 0.°6/17.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.04	− 2 50.1	1.904	2.716	14.1	21.5
2 21	12 6.22	− 2 22.8	1.806	2.702	10.8	21.2
3 2	11 59.16	− 1 39.7	1.731	2.687	6.9	21.0
3 12	11 50.49	− 0 44.4	1.683	2.672	2.5	20.6
3 22	11 41.10	+ 0 17.3	1.663	2.656	2.3	20.6
4 1	11 32.06	+ 1 18.5	1.673	2.640	6.9	20.8
4 11	11 24.39	+ 2 12.3	1.708	2.622	11.1	21.0
4 21	11 18.82	+ 2 53.5	1.767	2.605	14.9	21.2

306057 2010 GF_{31} 3 16.6 273.°05 1.°6/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.85	+ 2 0.2	1.513	2.353	15.8	20.9
2 21	12 6.63	+ 2 44.7	1.420	2.335	11.9	20.6
3 2	11 59.68	+ 3 45.0	1.350	2.316	7.3	20.3
3 12	11 50.72	+ 4 54.9	1.306	2.297	2.4	20.0
3 22	11 40.82	+ 6 5.7	1.288	2.278	4.0	20.0
4 1	11 31.33	+ 7 8.0	1.297	2.258	9.2	20.2
4 11	11 23.54	+ 7 53.9	1.330	2.238	14.1	20.5
4 21	11 18.33	+ 8 19.3	1.383	2.219	18.3	20.7

521151 2015 FR_{406} 3 16.6 286.°02 4.°5/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.63	+14 4.9	2.280	3.124	11.0	21.3
2 21	12 3.94	+14 56.6	2.207	3.120	8.3	21.2
3 2	11 57.48	+15 48.8	2.160	3.117	5.7	21.0
3 12	11 49.88	+16 35.2	2.141	3.113	4.5	20.9
3 22	11 41.88	+17 10.2	2.150	3.110	5.9	21.0
4 1	11 34.34	+17 29.7	2.187	3.107	8.6	21.1
4 11	11 28.02	+17 31.5	2.249	3.103	11.4	21.3
4 21	11 23.43	+17 15.9	2.332	3.100	13.8	21.5

136272 2003 YF_{107} 3 16.6 21.°94 0.°1/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.89	− 1 20.4	2.036	2.858	13.0	19.9
2 21	12 2.81	− 0 49.1	1.957	2.859	9.8	19.7
3 2	11 56.87	− 0 4.9	1.901	2.861	6.1	19.5
3 12	11 49.70	+ 0 48.0	1.872	2.862	2.0	19.2
3 22	11 42.09	+ 1 44.1	1.872	2.864	2.2	19.2
4 1	11 34.94	+ 2 37.1	1.900	2.866	6.3	19.5
4 11	11 29.05	+ 3 21.6	1.954	2.868	10.0	19.7
4 21	11 24.97	+ 3 53.8	2.032	2.870	13.2	19.9

37594 1991 UJ_1 3 16.6 82.°50 0.°3/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.86	− 2 37.4	1.866	2.686	14.1	19.2
2 21	12 3.63	− 1 56.6	1.794	2.695	10.6	19.0
3 2	11 57.40	− 1 0.5	1.745	2.704	6.6	18.8
3 12	11 49.87	+ 0 6.0	1.723	2.713	2.2	18.5
3 22	11 41.92	+ 1 16.3	1.730	2.722	2.3	18.5
4 1	11 34.53	+ 2 23.2	1.764	2.731	6.6	18.8
4 11	11 28.55	+ 3 20.0	1.825	2.740	10.5	19.1
4 21	11 24.54	+ 4 2.7	1.909	2.749	13.8	19.3

397024 2005 TQ_{191} 3 16.6 174.°58 3.°2/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.12	+ 6 8.8	1.687	2.527	14.4	21.6
2 21	12 7.81	+ 7 15.3	1.615	2.530	10.7	21.3
3 2	12 0.10	+ 8 31.5	1.568	2.532	6.5	21.1
3 12	11 50.77	+ 9 49.3	1.547	2.534	3.3	20.9
3 22	11 40.88	+10 59.8	1.554	2.535	5.1	21.0
4 1	11 31.63	+11 55.3	1.590	2.535	9.2	21.2
4 11	11 24.07	+12 30.7	1.649	2.535	13.2	21.5
4 21	11 18.87	+12 44.8	1.730	2.533	16.6	21.7

214767 2006 UO_9 3 16.6 147.°35 0.°6/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.14	− 3 7.5	2.595	3.400	11.0	20.9
2 21	12 1.87	− 2 36.8	2.512	3.404	8.4	20.7
3 2	11 56.13	− 1 54.7	2.453	3.408	5.3	20.5
3 12	11 49.44	− 1 4.6	2.423	3.412	2.0	20.3
3 22	11 42.41	− 0 10.5	2.423	3.416	1.7	20.3
4 1	11 35.74	+ 0 42.6	2.453	3.419	5.0	20.5
4 11	11 30.06	+ 1 30.2	2.510	3.423	8.1	20.7
4 21	11 25.82	+ 2 8.9	2.593	3.426	10.8	20.9

362734 2011 US_{294} 3 16.6 133.°48 1.°0/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.81	+ 2 24.0	1.677	2.506	15.0	21.7
2 21	12 9.00	+ 2 45.9	1.607	2.515	11.2	21.4
3 2	12 0.78	+ 3 18.7	1.561	2.523	6.8	21.2
3 12	11 50.97	+ 3 56.9	1.541	2.531	2.1	20.9
3 22	11 40.67	+ 4 34.3	1.549	2.539	3.2	21.0
4 1	11 31.08	+ 5 4.8	1.585	2.546	7.8	21.3
4 11	11 23.24	+ 5 23.6	1.647	2.553	12.0	21.5
4 21	11 17.79	+ 5 28.2	1.730	2.559	15.5	21.8

196675 2003 SV_{56} 3 16.6 291.°81 1.°8/18.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.45	− 3 8.8	1.921	2.728	14.3	20.3
2 21	12 7.98	− 3 32.3	1.827	2.718	11.1	20.1
3 2	12 0.22	− 3 44.1	1.756	2.708	7.3	19.8
3 12	11 50.84	− 3 45.6	1.712	2.698	3.3	19.5
3 22	11 40.75	− 3 39.7	1.696	2.688	2.6	19.5
4 1	11 31.06	− 3 30.3	1.709	2.678	6.5	19.7
4 11	11 22.79	− 3 22.1	1.748	2.668	10.6	19.9
4 21	11 16.67	− 3 19.0	1.811	2.659	14.1	20.1

93698 2000 VM_{26} 3 16.6 108.°62 1.°8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.72	+ 4 33.0	1.965	2.798	13.0	20.3
2 21	12 5.64	+ 5 8.5	1.896	2.807	9.6	20.1
3 2	11 58.57	+ 5 52.0	1.852	2.816	5.8	19.8
3 12	11 50.24	+ 6 38.0	1.835	2.825	2.2	19.6
3 22	11 41.52	+ 7 20.5	1.847	2.834	3.5	19.7
4 1	11 33.38	+ 7 54.2	1.887	2.842	7.3	20.0
4 11	11 26.67	+ 8 15.1	1.954	2.850	10.9	20.2
4 21	11 21.93	+ 8 21.5	2.042	2.858	13.9	20.4

373435 1999 TF_{125} 3 16.6 210.°83 2.°4/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.19	− 9 3.8	2.449	3.227	12.4	21.5
2 21	12 3.59	− 8 43.9	2.350	3.221	9.8	21.3
3 2	11 57.29	− 8 7.9	2.275	3.214	6.7	21.1
3 12	11 49.84	− 7 17.9	2.228	3.207	3.6	20.9
3 22	11 41.92	− 6 17.6	2.210	3.199	2.5	20.8
4 1	11 34.32	− 5 12.3	2.222	3.191	5.2	21.0
4 11	11 27.77	− 4 7.8	2.262	3.182	8.5	21.2
4 21	11 22.82	− 3 9.6	2.327	3.173	11.5	21.3

41771 2000 VB_{38} 3 16.6 131.°54 0.°6/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.32	− 3 5.2	1.902	2.712	14.3	19.9
2 21	12 6.88	− 2 31.7	1.832	2.727	10.8	19.7
3 2	11 59.35	− 1 43.1	1.784	2.741	6.8	19.5
3 12	11 50.49	− 0 44.1	1.765	2.754	2.4	19.2
3 22	11 41.24	+ 0 19.3	1.774	2.766	2.2	19.2
4 1	11 32.60	+ 1 20.3	1.812	2.778	6.5	19.5
4 11	11 25.46	+ 2 12.4	1.877	2.790	10.4	19.8
4 21	11 20.41	+ 2 51.8	1.966	2.800	13.7	20.0

200680 2001 TB_{186} 3 16.7 28.°44 1.°2/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.50	− 2 23.3	1.209	2.051	18.8	19.8
2 21	12 7.32	− 2 23.8	1.145	2.056	14.4	19.6
3 2	12 0.10	− 2 5.2	1.101	2.062	9.2	19.3
3 12	11 50.82	− 1 31.8	1.080	2.069	3.5	19.0
3 22	11 40.85	− 0 50.6	1.083	2.077	3.0	19.0
4 1	11 31.76	− 0 10.0	1.111	2.085	8.6	19.3
4 11	11 24.86	+ 0 21.8	1.163	2.093	13.7	19.6
4 21	11 20.92	+ 0 39.5	1.233	2.102	18.1	19.9

442721 2012 VB_{31} 3 16.7 115.°09 4.°0/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.49	+ 8 19.4	1.581	2.422	15.2	21.8
2 21	12 10.20	+ 9 28.4	1.529	2.444	11.2	21.6
3 2	12 1.43	+10 43.4	1.502	2.465	6.9	21.4
3 12	11 51.15	+11 55.2	1.502	2.486	4.0	21.2
3 22	11 40.55	+12 55.0	1.530	2.506	5.9	21.4
4 1	11 30.89	+13 36.2	1.585	2.524	9.7	21.6
4 11	11 23.18	+13 55.7	1.664	2.542	13.5	21.9
4 21	11 18.01	+13 54.0	1.764	2.559	16.6	22.2

328721 2009 TR_{21} 3 16.7 143.°79 5.°4/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.59	+17 45.0	2.356	3.191	11.0	21.2
2 21	12 7.46	+18 41.8	2.298	3.202	8.4	21.0
3 2	11 59.54	+19 35.5	2.266	3.213	6.2	20.9
3 12	11 50.52	+20 19.6	2.263	3.224	5.4	20.9
3 22	11 41.23	+20 49.0	2.289	3.233	6.7	21.0
4 1	11 32.53	+21 0.1	2.343	3.242	9.1	21.1
4 11	11 25.18	+20 52.4	2.422	3.251	11.5	21.3
4 21	11 19.67	+20 27.1	2.522	3.259	13.7	21.5

429651 2011 GE_{12} 3 16.7 253.°03 0.°5/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.23	− 1 53.5	2.040	2.855	13.2	21.9
2 21	12 4.64	− 1 36.2	1.951	2.849	10.0	21.7
3 2	11 58.06	− 1 6.1	1.886	2.843	6.3	21.4
3 12	11 50.12	− 0 26.6	1.847	2.837	2.3	21.2
3 22	11 41.64	+ 0 17.6	1.837	2.830	2.1	21.1
4 1	11 33.56	+ 1 0.7	1.856	2.824	6.3	21.4
4 11	11 26.77	+ 1 37.3	1.902	2.817	10.1	21.6
4 21	11 21.87	+ 2 3.5	1.971	2.810	13.5	21.8

201586 2003 SF_{97} 3 16.7 278.°91 3.°8/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.24	− 9 25.5	2.030	2.812	14.5	20.2
2 21	12 6.32	− 9 50.9	1.928	2.798	11.6	20.0
3 2	11 59.23	−10 0.4	1.848	2.783	8.3	19.7
3 12	11 50.55	− 9 53.9	1.794	2.768	5.1	19.5
3 22	11 41.13	− 9 33.6	1.768	2.753	3.9	19.4
4 1	11 32.01	− 9 3.6	1.770	2.738	6.5	19.5
4 11	11 24.16	− 8 29.5	1.799	2.723	10.1	19.7
4 21	11 18.33	− 7 57.2	1.852	2.708	13.5	19.9

27770 1991 VF_1 3 16.7 174.°71 0.°4/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.94	+ 0 19.5	1.693	2.517	15.1	18.6
2 21	12 8.45	+ 0 46.3	1.615	2.519	11.4	18.3
3 2	12 0.52	+ 1 26.5	1.560	2.521	7.0	18.1
3 12	11 50.94	+ 2 15.2	1.532	2.523	2.2	17.8
3 22	11 40.76	+ 3 5.7	1.532	2.523	2.9	17.8
4 1	11 31.19	+ 3 51.1	1.560	2.524	7.6	18.1
4 11	11 23.30	+ 4 25.3	1.614	2.523	12.0	18.4
4 21	11 17.78	+ 4 44.9	1.689	2.522	15.7	18.6

430377 2014 DW_{87} 3 16.7 103.°09 3.°0/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.30	+ 7 36.7	2.432	3.271	10.6	20.7
2 21	12 1.32	+ 9 2.8	2.367	3.282	7.7	20.5
3 2	11 55.82	+10 34.6	2.329	3.293	4.8	20.3
3 12	11 49.35	+12 5.5	2.320	3.303	3.0	20.2
3 22	11 42.59	+13 28.9	2.342	3.314	4.5	20.3
4 1	11 36.25	+14 39.2	2.392	3.324	7.4	20.5
4 11	11 30.97	+15 32.4	2.469	3.334	10.1	20.7
4 21	11 27.20	+16 7.4	2.568	3.344	12.5	20.9

247467 2002 JZ_{12} 3 16.7 267.°71 5.°0/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.23	+14 13.1	2.105	2.949	11.8	20.7
2 21	12 5.43	+15 15.2	2.019	2.932	8.9	20.5
3 2	11 58.58	+16 19.1	1.958	2.914	6.2	20.3
3 12	11 50.31	+17 17.5	1.925	2.896	5.1	20.2
3 22	11 41.46	+18 3.4	1.920	2.878	6.7	20.2
4 1	11 33.00	+18 31.3	1.942	2.859	9.6	20.4
4 11	11 25.83	+18 38.6	1.989	2.841	12.8	20.5
4 21	11 20.60	+18 25.3	2.056	2.822	15.5	20.7

21246 1995 YF_1 3 16.7 286.°72 4.°7/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.06	−13 12.7	1.989	2.760	15.1	17.9
2 21	12 3.97	−13 24.6	1.890	2.748	12.4	17.7
3 2	11 57.77	−13 16.1	1.812	2.737	9.2	17.5
3 12	11 50.07	−12 47.3	1.759	2.725	6.1	17.3
3 22	11 41.71	−12 0.5	1.733	2.714	4.7	17.2
4 1	11 33.67	−11 1.2	1.734	2.702	6.6	17.3
4 11	11 26.91	− 9 56.5	1.762	2.691	9.9	17.4
4 21	11 22.14	− 8 53.7	1.814	2.679	13.3	17.6

287462 2003 AX_6 3 16.7 131.°08 7.°6/24.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.35	−22 7.8	2.022	2.733	16.7	21.4
2 21	12 6.36	−22 39.6	1.938	2.742	14.3	21.2
3 2	11 59.17	−22 46.0	1.875	2.751	11.7	21.1
3 12	11 50.50	−22 25.3	1.834	2.760	9.2	20.9
3 22	11 41.26	−21 38.8	1.819	2.768	7.7	20.9
4 1	11 32.53	−20 31.3	1.830	2.776	8.2	20.9
4 11	11 25.26	−19 10.9	1.868	2.784	10.2	21.0
4 21	11 20.11	−17 46.3	1.930	2.791	12.8	21.2

495087 2011 QR_{33} 3 16.7 243.°18 0.°6/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.81	− 1 9.2	1.657	2.474	15.7	22.1
2 21	12 10.17	− 1 6.9	1.561	2.461	12.0	21.8
3 2	12 1.80	− 0 50.7	1.488	2.446	7.6	21.6
3 12	11 51.43	− 0 23.9	1.441	2.431	2.7	21.2
3 22	11 40.14	+ 0 8.7	1.422	2.415	2.7	21.2
4 1	11 29.25	+ 0 40.6	1.432	2.399	7.8	21.4
4 11	11 20.04	+ 1 5.6	1.467	2.382	12.5	21.7
4 21	11 13.38	+ 1 19.3	1.523	2.364	16.7	21.9

506375 2017 QD_{27} 3 16.7 130.°80 0.°1/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.35	− 1 31.9	2.932	3.736	9.9	22.4
2 21	12 1.82	− 0 46.1	2.857	3.751	7.4	22.3
3 2	11 56.01	+ 0 9.0	2.809	3.766	4.5	22.1
3 12	11 49.40	+ 1 10.0	2.790	3.780	1.4	21.9
3 22	11 42.56	+ 2 12.4	2.802	3.794	1.7	21.9
4 1	11 36.08	+ 3 11.8	2.845	3.807	4.7	22.2
4 11	11 30.49	+ 4 4.1	2.917	3.820	7.5	22.4
4 21	11 26.19	+ 4 46.6	3.014	3.832	9.9	22.6

65962 1998 HU_1 3 16.7 156.°32 2.°0/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.73	+ 4 28.7	1.965	2.794	13.1	20.1
2 21	12 7.18	+ 5 15.8	1.892	2.801	9.7	19.9
3 2	11 59.56	+ 6 11.7	1.845	2.808	5.8	19.6
3 12	11 50.60	+ 7 10.3	1.825	2.815	2.3	19.4
3 22	11 41.21	+ 8 5.0	1.835	2.821	3.7	19.5
4 1	11 32.39	+ 8 49.7	1.874	2.826	7.6	19.8
4 11	11 25.04	+ 9 20.1	1.939	2.830	11.2	20.0
4 21	11 19.73	+ 9 34.4	2.026	2.834	14.3	20.2

504829 2010 MR_{14} 3 16.7 184.°79 3.°0/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.67	−10 43.9	2.741	3.507	11.5	21.1
2 21	12 2.28	−10 47.2	2.648	3.507	9.2	21.0
3 2	11 56.42	−10 36.6	2.578	3.507	6.6	20.8
3 12	11 49.57	−10 13.1	2.536	3.507	4.1	20.6
3 22	11 42.35	− 9 39.2	2.523	3.507	3.0	20.5
4 1	11 35.43	− 8 58.7	2.539	3.506	4.8	20.7
4 11	11 29.45	− 8 16.0	2.584	3.506	7.5	20.8
4 21	11 24.88	− 7 35.5	2.653	3.505	10.0	21.0

160907 2001 UJ_{87} 3 16.7 317.°75 1.°0/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.48	− 2 55.3	1.213	2.059	18.5	19.8
2 21	12 4.64	− 2 41.5	1.126	2.040	14.3	19.5
3 2	11 58.74	− 2 5.5	1.059	2.022	9.2	19.2
3 12	11 50.51	− 1 11.2	1.015	2.005	3.5	18.8
3 22	11 41.18	− 0 6.0	0.995	1.988	3.1	18.7
4 1	11 32.32	+ 0 59.5	0.998	1.972	9.1	19.0
4 11	11 25.45	+ 1 54.7	1.024	1.957	14.8	19.2
4 21	11 21.57	+ 2 32.1	1.069	1.943	19.8	19.5

399306 5400 $T\text{-}_3$ 3 16.7 165.°42 2.°6/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.67	+ 5 41.5	1.951	2.781	13.2	22.4
2 21	12 7.91	+ 6 39.1	1.878	2.788	9.7	22.2
3 2	12 0.03	+ 7 45.0	1.830	2.794	5.9	22.0
3 12	11 50.77	+ 8 52.4	1.811	2.799	2.7	21.8
3 22	11 41.04	+ 9 54.1	1.821	2.803	4.3	21.9
4 1	11 31.90	+10 43.7	1.860	2.806	8.1	22.2
4 11	11 24.26	+11 17.0	1.925	2.808	11.7	22.4
4 21	11 18.71	+11 32.3	2.012	2.810	14.8	22.6

383350 2006 RS_{25} 3 16.7 107.°28 2.°8/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.60	− 9 26.4	2.449	3.225	12.5	21.2
2 21	12 3.79	− 9 26.4	2.369	3.236	9.8	21.1
3 2	11 57.36	− 9 11.7	2.313	3.248	6.9	20.9
3 12	11 49.88	− 8 43.8	2.283	3.259	4.0	20.7
3 22	11 42.06	− 8 5.9	2.283	3.270	2.9	20.7
4 1	11 34.66	− 7 22.3	2.312	3.281	5.1	20.8
4 11	11 28.36	− 6 38.1	2.369	3.291	8.1	21.0
4 21	11 23.66	− 5 57.8	2.451	3.302	10.8	21.2

423697 2006 AC_{48} 3 16.7 345.°17 3.°6/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.67	− 8 1.0	1.745	2.544	15.8	20.8
2 21	12 6.07	− 8 25.4	1.660	2.541	12.5	20.6
3 2	11 59.13	− 8 32.4	1.596	2.538	8.8	20.3
3 12	11 50.54	− 8 22.8	1.558	2.536	5.0	20.1
3 22	11 41.29	− 7 59.5	1.546	2.534	3.7	20.0
4 1	11 32.50	− 7 27.5	1.561	2.532	6.8	20.2
4 11	11 25.26	− 6 53.6	1.602	2.530	10.8	20.4
4 21	11 20.27	− 6 23.6	1.666	2.529	14.4	20.6

126949 2002 FL_5 3 16.7 201.°37 2.°2/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.67	− 7 16.2	2.093	2.888	13.7	20.3
2 21	12 4.19	− 7 2.3	2.005	2.886	10.7	20.1
3 2	11 57.78	− 6 31.9	1.939	2.885	7.2	19.9
3 12	11 50.07	− 5 47.4	1.900	2.883	3.6	19.6
3 22	11 41.85	− 4 53.0	1.889	2.880	2.5	19.6
4 1	11 34.04	− 3 54.6	1.908	2.878	5.8	19.8
4 11	11 27.48	− 2 58.6	1.953	2.876	9.5	20.0
4 21	11 22.77	− 2 10.4	2.022	2.873	12.8	20.2

367892 2011 YG_{59} 3 16.7 329.°49 2.°9/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.76	+ 4 59.6	1.344	2.202	16.3	20.4
2 21	12 4.46	+ 5 48.6	1.267	2.191	12.1	20.1
3 2	11 58.39	+ 6 50.8	1.211	2.180	7.4	19.8
3 12	11 50.35	+ 7 57.9	1.180	2.170	3.2	19.6
3 22	11 41.51	+ 9 0.2	1.174	2.160	5.2	19.7
4 1	11 33.27	+ 9 48.3	1.193	2.151	10.2	19.9
4 11	11 26.89	+10 15.6	1.234	2.143	14.9	20.1
4 21	11 23.19	+10 19.7	1.294	2.135	19.0	20.4

238874 2005 YD_5 3 16.7 354.°92 4.°3/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.56	+ 7 29.3	1.054	1.929	18.4	20.0
2 21	12 5.55	+ 8 14.2	0.992	1.924	13.8	19.7
3 2	11 59.25	+ 9 9.9	0.950	1.920	8.5	19.4
3 12	11 50.65	+10 6.1	0.929	1.917	4.5	19.1
3 22	11 41.22	+10 51.3	0.932	1.916	6.7	19.3
4 1	11 32.69	+11 16.2	0.957	1.916	12.0	19.5
4 11	11 26.52	+11 15.7	1.002	1.916	17.0	19.8
4 21	11 23.53	+10 49.7	1.065	1.919	21.4	20.1

39535 1990 RX_7 3 16.7 71.°05 0.°9/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.32	+ 0 18.5	1.860	2.691	13.7	19.0
2 21	12 3.29	+ 1 10.7	1.786	2.695	10.2	18.8
3 2	11 57.25	+ 2 16.5	1.737	2.700	6.1	18.5
3 12	11 49.90	+ 3 29.8	1.714	2.705	1.9	18.3
3 22	11 42.10	+ 4 43.5	1.719	2.710	2.9	18.3
4 1	11 34.82	+ 5 50.2	1.753	2.715	7.1	18.6
4 11	11 28.94	+ 6 43.8	1.812	2.720	11.0	18.9
4 21	11 25.02	+ 7 20.7	1.894	2.724	14.3	19.1

158175 2001 QE_{260} 3 16.7 261.°33 4.°2/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.83	− 9 53.2	1.521	2.320	17.7	20.2
2 21	12 7.41	−10 6.7	1.429	2.309	14.3	19.9
3 2	12 0.22	− 9 57.4	1.357	2.298	10.2	19.6
3 12	11 50.97	− 9 25.6	1.309	2.286	6.0	19.4
3 22	11 40.78	− 8 35.0	1.287	2.275	4.4	19.2
4 1	11 31.02	− 7 32.6	1.291	2.263	7.8	19.4
4 11	11 23.01	− 6 28.0	1.321	2.251	12.4	19.6
4 21	11 17.63	− 5 29.8	1.371	2.239	16.6	19.8

142195 2002 RK_{54} 3 16.7 210.°98 1.°6/15.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.48	+ 2 8.6	1.954	2.784	13.2	20.9
2 21	12 4.92	+ 3 8.3	1.870	2.779	9.8	20.7
3 2	11 58.29	+ 4 20.6	1.809	2.773	5.9	20.5
3 12	11 50.25	+ 5 39.3	1.777	2.767	2.1	20.2
3 22	11 41.67	+ 6 56.9	1.773	2.761	3.5	20.3
4 1	11 33.52	+ 8 6.0	1.799	2.754	7.6	20.5
4 11	11 26.72	+ 9 0.5	1.850	2.746	11.4	20.7
4 21	11 21.89	+ 9 37.3	1.924	2.739	14.7	20.9

211150 2002 GE_{137} 3 16.7 37.°88 0.°6/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.83	− 2 20.7	1.269	2.110	18.2	20.7
2 21	12 5.90	− 1 59.5	1.208	2.119	13.8	20.4
3 2	11 59.16	− 1 18.7	1.167	2.129	8.6	20.2
3 12	11 50.56	− 0 24.0	1.150	2.140	3.0	19.9
3 22	11 41.38	+ 0 36.4	1.158	2.151	2.9	19.9
4 1	11 33.06	+ 1 33.1	1.191	2.162	8.3	20.2
4 11	11 26.80	+ 2 17.9	1.247	2.175	13.3	20.5
4 21	11 23.28	+ 2 45.8	1.324	2.187	17.4	20.8

109698 2001 RS_{38} 3 16.7 57.°38 4.°1/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.64	− 7 33.9	1.539	2.336	17.6	19.4
2 21	12 11.27	− 8 23.8	1.478	2.357	13.9	19.2
3 2	12 2.25	− 8 55.6	1.438	2.379	9.7	19.0
3 12	11 51.52	− 9 9.5	1.424	2.401	5.6	18.8
3 22	11 40.33	− 9 7.8	1.437	2.423	4.3	18.8
4 1	11 30.03	− 8 55.5	1.477	2.445	7.4	19.0
4 11	11 21.73	− 8 39.0	1.542	2.467	11.3	19.3
4 21	11 16.09	− 8 24.3	1.630	2.490	14.8	19.6

498412 2007 YR_{72} 3 16.7 90.°66 9.°8/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.40	−32 40.4	2.606	3.210	15.5	21.1
2 21	12 8.41	−33 54.4	2.530	3.230	14.0	21.0
3 2	12 0.38	−34 44.8	2.472	3.249	12.4	20.9
3 12	11 50.93	−35 8.2	2.435	3.269	11.0	20.8
3 22	11 40.93	−35 3.7	2.421	3.288	10.0	20.8
4 1	11 31.35	−34 33.2	2.433	3.307	9.8	20.8
4 11	11 23.08	−33 41.9	2.469	3.326	10.4	20.8
4 21	11 16.77	−32 37.0	2.528	3.345	11.6	20.9

258172 2001 SJ_{133} 3 16.7 124.°36 0.°9/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.65	− 3 1.9	1.950	2.760	14.0	20.8
2 21	12 6.41	− 2 47.0	1.875	2.770	10.6	20.5
3 2	11 59.13	− 2 18.4	1.824	2.779	6.8	20.3
3 12	11 50.51	− 1 39.5	1.800	2.789	2.6	20.1
3 22	11 41.46	− 0 55.3	1.805	2.798	2.2	20.1
4 1	11 32.98	− 0 11.6	1.838	2.806	6.3	20.3
4 11	11 25.93	+ 0 26.1	1.898	2.815	10.1	20.6
4 21	11 20.90	+ 0 53.7	1.982	2.823	13.4	20.8

306970 2001 VD_{62} 3 16.7 190.°85 3.°8/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.72	−14 9.5	2.614	3.365	12.4	20.8
2 21	12 2.43	−14 5.1	2.519	3.364	10.1	20.6
3 2	11 56.58	−13 43.6	2.446	3.363	7.5	20.4
3 12	11 49.68	−13 5.8	2.400	3.362	5.0	20.3
3 22	11 42.38	−12 14.5	2.382	3.360	3.8	20.2
4 1	11 35.39	−11 13.8	2.393	3.358	5.2	20.3
4 11	11 29.39	−10 9.6	2.433	3.356	7.8	20.4
4 21	11 24.89	− 9 7.2	2.498	3.354	10.4	20.6

173703 2001 QY_{50} 3 16.7 87.°99 3.°8/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.92	−12 7.0	2.624	3.370	12.5	20.6
2 21	12 8.26	−12 34.3	2.557	3.401	10.0	20.4
3 2	12 0.00	−12 47.0	2.515	3.432	7.3	20.3
3 12	11 50.75	−12 45.5	2.500	3.463	4.8	20.2
3 22	11 41.25	−12 31.7	2.515	3.493	3.8	20.2
4 1	11 32.28	−12 9.0	2.561	3.522	5.3	20.3
4 11	11 24.52	−11 41.9	2.636	3.551	7.7	20.5
4 21	11 18.44	−11 14.7	2.737	3.579	10.1	20.7

30336 Zhangyizhen 3 16.7 168.°51 2.°3/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.27	− 7 41.6	2.121	2.910	13.7	19.5
2 21	12 5.33	− 7 26.6	2.036	2.914	10.7	19.3
3 2	11 58.47	− 6 54.9	1.973	2.917	7.2	19.1
3 12	11 50.32	− 6 9.0	1.937	2.919	3.7	18.9
3 22	11 41.69	− 5 13.2	1.931	2.921	2.6	18.8
4 1	11 33.50	− 4 13.3	1.953	2.923	5.8	19.0
4 11	11 26.60	− 3 15.8	2.003	2.924	9.4	19.3
4 21	11 21.56	− 2 26.0	2.077	2.925	12.6	19.5

389713 2011 SW_1 3 16.7 290.°35 1.°6/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.12	− 4 14.6	2.232	3.034	12.7	21.2
2 21	12 4.47	− 4 17.2	2.137	3.025	9.8	21.0
3 2	11 57.97	− 4 7.5	2.066	3.017	6.4	20.8
3 12	11 50.18	− 3 47.5	2.022	3.008	2.9	20.5
3 22	11 41.86	− 3 20.5	2.007	2.999	2.2	20.4
4 1	11 33.88	− 2 50.8	2.021	2.991	5.6	20.7
4 11	11 27.05	− 2 23.3	2.062	2.982	9.2	20.9
4 21	11 21.98	− 2 2.0	2.127	2.974	12.4	21.0

34098 2000 PM_{12} 3 16.7 141.°89 4.°2/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.95	+14 13.4	2.564	3.405	10.0	18.7
2 21	12 3.26	+15 12.8	2.499	3.411	7.5	18.5
3 2	11 57.03	+16 12.4	2.461	3.416	5.2	18.4
3 12	11 49.82	+17 6.3	2.451	3.421	4.2	18.3
3 22	11 42.32	+17 49.4	2.470	3.426	5.5	18.4
4 1	11 35.25	+18 18.0	2.517	3.431	7.9	18.5
4 11	11 29.26	+18 30.0	2.590	3.435	10.4	18.7
4 21	11 24.81	+18 25.6	2.685	3.440	12.5	18.9

221682 2007 DK_{22} 3 16.7 142.°08 0.°3/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.48	− 0 41.1	2.057	2.875	13.0	21.4
2 21	12 4.73	− 0 0.4	1.981	2.883	9.7	21.2
3 2	11 58.08	+ 0 52.8	1.930	2.890	6.0	21.0
3 12	11 50.19	+ 1 53.8	1.906	2.896	1.9	20.7
3 22	11 41.90	+ 2 56.6	1.911	2.903	2.4	20.8
4 1	11 34.10	+ 3 54.8	1.945	2.909	6.4	21.1
4 11	11 27.62	+ 4 42.9	2.007	2.914	10.1	21.3
4 21	11 23.00	+ 5 17.6	2.091	2.919	13.2	21.5

303416 2004 YF_{18} 3 16.7 117.°31 0.°4/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.76	− 2 21.1	1.735	2.552	15.1	21.8
2 21	12 7.40	− 1 48.9	1.668	2.567	11.4	21.6
3 2	11 59.80	− 1 1.1	1.624	2.582	7.1	21.3
3 12	11 50.75	− 0 2.9	1.607	2.597	2.4	21.1
3 22	11 41.29	+ 0 59.0	1.618	2.611	2.4	21.1
4 1	11 32.52	+ 1 57.4	1.657	2.624	7.0	21.4
4 11	11 25.40	+ 2 45.9	1.723	2.637	11.1	21.7
4 21	11 20.51	+ 3 20.3	1.811	2.649	14.5	21.9

38236 1999 NC_{64} 3 16.7 278.°80 4.°7/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.39	+10 26.3	1.535	2.388	14.9	18.6
2 21	12 7.67	+11 20.8	1.457	2.377	11.2	18.3
3 2	12 0.27	+12 21.2	1.403	2.367	7.3	18.0
3 12	11 50.99	+13 18.6	1.374	2.356	4.8	17.9
3 22	11 40.96	+14 4.1	1.371	2.345	6.7	17.9
4 1	11 31.53	+14 30.4	1.395	2.335	10.8	18.1
4 11	11 23.90	+14 33.7	1.441	2.324	14.9	18.4
4 21	11 18.85	+14 14.2	1.507	2.314	18.5	18.6

122272 2000 PV 3 16.7 143.°76 0.°6/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.10	+ 0 42.3	2.485	3.297	11.2	21.1
2 21	12 4.84	+ 1 25.6	2.411	3.310	8.3	20.9
3 2	11 57.99	+ 2 18.3	2.363	3.323	5.0	20.7
3 12	11 50.14	+ 3 16.1	2.344	3.335	1.6	20.5
3 22	11 41.99	+ 4 13.9	2.356	3.346	2.3	20.5
4 1	11 34.28	+ 5 6.6	2.398	3.356	5.7	20.8
4 11	11 27.70	+ 5 50.0	2.468	3.366	8.8	21.0
4 21	11 22.70	+ 6 21.6	2.562	3.375	11.5	21.2

437564 2014 AB_7 3 16.7 31.°19 1.°3/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.20	+ 2 46.7	1.887	2.724	13.2	21.2
2 21	12 3.14	+ 3 22.3	1.820	2.732	9.8	21.0
3 2	11 57.15	+ 4 7.8	1.776	2.741	5.9	20.8
3 12	11 49.90	+ 4 57.8	1.759	2.750	2.0	20.6
3 22	11 42.28	+ 5 46.1	1.771	2.760	3.1	20.7
4 1	11 35.21	+ 6 26.7	1.810	2.770	7.1	20.9
4 11	11 29.52	+ 6 55.2	1.874	2.780	10.8	21.2
4 21	11 25.75	+ 7 9.1	1.961	2.791	13.9	21.4

195780 2002 PN_{160} 3 16.7 76.°89 1.°4/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.67	+ 3 20.5	2.028	2.860	12.6	20.5
2 21	12 4.17	+ 3 57.1	1.953	2.863	9.4	20.3
3 2	11 57.76	+ 4 42.8	1.902	2.866	5.6	20.0
3 12	11 50.11	+ 5 32.4	1.879	2.869	2.0	19.8
3 22	11 42.04	+ 6 20.1	1.885	2.873	3.2	19.9
4 1	11 34.46	+ 7 0.3	1.918	2.876	7.0	20.1
4 11	11 28.20	+ 7 28.6	1.978	2.879	10.5	20.3
4 21	11 23.79	+ 7 42.6	2.061	2.883	13.6	20.6

140399 2001 TN_{67} 3 16.7 82.°64 0.°6/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.24	+ 1 17.0	2.299	3.120	11.7	19.7
2 21	12 3.54	+ 1 49.7	2.233	3.137	8.7	19.5
3 2	11 57.22	+ 2 31.3	2.193	3.154	5.2	19.3
3 12	11 49.90	+ 3 17.6	2.180	3.171	1.6	19.1
3 22	11 42.30	+ 4 3.7	2.197	3.188	2.3	19.2
4 1	11 35.20	+ 4 44.7	2.244	3.205	5.9	19.4
4 11	11 29.28	+ 5 16.5	2.317	3.221	9.1	19.7
4 21	11 25.00	+ 5 36.9	2.414	3.237	11.8	19.9

477 Italia 3 16.7 210.°44 0.°8/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.92	+ 1 34.2	2.025	2.844	13.2	14.8
2 21	12 7.46	+ 2 2.1	1.935	2.838	9.9	14.6
3 2	11 59.87	+ 2 40.7	1.870	2.831	6.0	14.3
3 12	11 50.83	+ 3 25.6	1.833	2.824	1.9	14.1
3 22	11 41.20	+ 4 11.1	1.826	2.816	2.7	14.1
4 1	11 32.00	+ 4 51.6	1.847	2.807	6.9	14.3
4 11	11 24.16	+ 5 21.9	1.895	2.798	10.8	14.6
4 21	11 18.34	+ 5 39.2	1.966	2.788	14.2	14.8

376058 2010 FX_7 3 16.7 333.°48 1.°8/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.60	− 5 38.6	1.933	2.739	14.2	21.0
2 21	12 4.29	− 5 25.9	1.849	2.738	11.0	20.8
3 2	11 57.93	− 4 56.8	1.787	2.738	7.3	20.6
3 12	11 50.20	− 4 14.2	1.752	2.737	3.3	20.3
3 22	11 41.93	− 3 23.0	1.745	2.737	2.4	20.3
4 1	11 34.13	− 2 29.1	1.766	2.737	6.2	20.5
4 11	11 27.67	− 1 39.3	1.813	2.736	10.0	20.7
4 21	11 23.18	− 0 58.5	1.884	2.736	13.5	20.9

151775 2003 EV_{34} 3 16.7 300.°98 3.°7/19.5 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.98	− 8 5.7	1.714	2.513	16.0	19.8
2 21	12 6.57	− 8 31.9	1.614	2.495	12.8	19.6
3 2	11 59.64	− 8 40.6	1.535	2.477	9.1	19.3
3 12	11 50.84	− 8 32.2	1.481	2.459	5.2	19.0
3 22	11 41.12	− 8 8.9	1.453	2.441	3.9	18.9
4 1	11 31.71	− 7 35.6	1.452	2.423	7.2	19.1
4 11	11 23.78	− 6 59.3	1.477	2.406	11.5	19.3
4 21	11 18.19	− 6 26.6	1.524	2.389	15.4	19.5

298779 2004 PW_{20} 3 16.7 140.°99 3.°5/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.55	− 9 11.0	1.664	2.456	16.7	21.5
2 21	12 8.26	− 9 14.1	1.587	2.464	13.2	21.3
3 2	12 0.50	− 8 56.2	1.531	2.471	9.2	21.1
3 12	11 51.05	− 8 19.1	1.500	2.478	5.1	20.9
3 22	11 41.00	− 7 27.3	1.496	2.485	3.7	20.8
4 1	11 31.57	− 6 27.9	1.520	2.491	7.0	21.0
4 11	11 23.87	− 5 29.2	1.570	2.497	11.1	21.3
4 21	11 18.57	− 4 38.0	1.643	2.502	14.8	21.5

501005 2013 RR_{31} 3 16.7 220.°40 3.°2/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.37	− 8 40.6	2.220	2.995	13.6	21.9
2 21	12 7.72	− 8 58.2	2.120	2.987	10.8	21.7
3 2	12 0.04	− 9 1.1	2.043	2.979	7.6	21.5
3 12	11 50.90	− 8 49.8	1.994	2.970	4.4	21.3
3 22	11 41.13	− 8 26.6	1.973	2.960	3.3	21.2
4 1	11 31.68	− 7 55.7	1.983	2.950	6.0	21.3
4 11	11 23.46	− 7 22.4	2.020	2.939	9.4	21.5
4 21	11 17.13	− 6 51.6	2.081	2.928	12.6	21.7

500151 2012 DA_{64} 3 16.7 287.°55 7.°0/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.33	−14 9.9	1.662	2.430	17.7	21.5
2 21	12 9.27	−15 13.8	1.565	2.417	14.8	21.2
3 2	12 1.43	−15 57.7	1.487	2.404	11.5	21.0
3 12	11 51.46	−16 18.7	1.434	2.390	8.3	20.8
3 22	11 40.43	−16 16.2	1.406	2.377	7.0	20.6
4 1	11 29.70	−15 53.4	1.404	2.364	8.8	20.7
4 11	11 20.61	−15 17.3	1.428	2.351	12.2	20.9
4 21	11 14.11	−14 36.2	1.473	2.338	15.8	21.0

50656 2000 EM_{94} 3 16.7 148.°36 2.°7/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.84	− 9 23.1	2.314	3.087	13.2	18.7
2 21	12 6.32	− 9 13.1	2.232	3.099	10.4	18.6
3 2	11 59.01	− 8 46.9	2.174	3.110	7.2	18.4
3 12	11 50.52	− 8 6.5	2.142	3.120	4.0	18.2
3 22	11 41.64	− 7 15.5	2.141	3.129	2.8	18.1
4 1	11 33.22	− 6 19.3	2.169	3.138	5.4	18.3
4 11	11 26.03	− 5 23.7	2.226	3.146	8.6	18.5
4 21	11 20.61	− 4 33.8	2.308	3.153	11.6	18.7

218915 2007 PL_{27} 3 16.7 199.°15 3.°4/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.34	− 9 21.4	1.944	2.723	15.1	21.2
2 21	12 8.68	− 9 30.7	1.850	2.720	12.0	20.9
3 2	12 0.73	− 9 22.1	1.779	2.716	8.5	20.7
3 12	11 51.15	− 8 56.3	1.735	2.711	4.9	20.5
3 22	11 40.88	− 8 16.6	1.719	2.706	3.6	20.4
4 1	11 31.03	− 7 28.3	1.731	2.700	6.5	20.5
4 11	11 22.64	− 6 38.4	1.771	2.693	10.3	20.8
4 21	11 16.41	− 5 53.1	1.835	2.685	13.9	21.0

82410 2001 NU_{11} 3 16.7 226.°81 0.°8/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.72	+ 1 18.0	1.806	2.635	14.1	19.9
2 21	12 6.00	+ 1 49.7	1.723	2.631	10.6	19.7
3 2	11 59.06	+ 2 33.6	1.665	2.627	6.4	19.4
3 12	11 50.59	+ 3 24.7	1.632	2.623	2.0	19.1
3 22	11 41.54	+ 4 16.6	1.628	2.619	2.9	19.2
4 1	11 32.98	+ 5 2.5	1.652	2.615	7.4	19.4
4 11	11 25.90	+ 5 36.9	1.702	2.610	11.5	19.6
4 21	11 20.97	+ 5 56.5	1.773	2.605	15.1	19.9

67665 2000 SX_{271} 3 16.7 197.°35 3.°2/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.66	− 9 45.0	1.935	2.718	15.0	18.9
2 21	12 6.66	− 9 39.2	1.844	2.716	12.0	18.7
3 2	11 59.46	− 9 13.8	1.775	2.713	8.4	18.5
3 12	11 50.73	− 8 30.5	1.732	2.710	4.7	18.3
3 22	11 41.38	− 7 33.3	1.717	2.706	3.4	18.2
4 1	11 32.45	− 6 28.5	1.731	2.701	6.4	18.3
4 11	11 24.94	− 5 23.7	1.772	2.696	10.2	18.5
4 21	11 19.52	− 4 25.6	1.836	2.690	13.7	18.8

37032 2000 UL_8 3 16.7 91.°31 4.°4/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.67	+12 5.7	1.907	2.750	12.9	19.0
2 21	12 7.13	+12 54.8	1.851	2.765	9.6	18.8
3 2	11 59.54	+13 45.3	1.820	2.780	6.3	18.6
3 12	11 50.68	+14 30.1	1.816	2.794	4.4	18.5
3 22	11 41.52	+15 2.8	1.840	2.809	5.9	18.6
4 1	11 33.06	+15 19.1	1.891	2.823	9.0	18.8
4 11	11 26.16	+15 17.2	1.968	2.837	12.1	19.1
4 21	11 21.36	+14 57.7	2.066	2.850	14.9	19.3

477590 2010 JN_{98} 3 16.7 249.°27 6.°6/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.76	−27 26.1	3.157	3.802	12.4	22.1
2 21	12 2.45	−27 33.1	3.035	3.783	10.9	22.0
3 2	11 56.64	−27 20.0	2.932	3.763	9.3	21.8
3 12	11 49.78	−26 45.4	2.853	3.743	7.7	21.7
3 22	11 42.45	−25 49.9	2.800	3.722	6.7	21.6
4 1	11 35.31	−24 36.0	2.775	3.701	6.7	21.6
4 11	11 29.02	−23 8.8	2.779	3.679	7.9	21.6
4 21	11 24.08	−21 34.5	2.808	3.657	9.6	21.7

109587 2001 QJ_{277} 3 16.7 175.°94 4.°6/10.8 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.11	+14 35.5	2.431	3.274	10.4	20.0
2 21	12 3.51	+15 43.1	2.363	3.275	7.9	19.8
3 2	11 57.27	+16 51.1	2.321	3.275	5.5	19.7
3 12	11 49.96	+17 53.0	2.308	3.276	4.6	19.6
3 22	11 42.30	+18 43.0	2.323	3.276	6.0	19.7
4 1	11 35.07	+19 16.9	2.366	3.277	8.5	19.8
4 11	11 28.97	+19 32.5	2.435	3.277	11.0	20.0
4 21	11 24.49	+19 30.0	2.525	3.276	13.3	20.2

41049 Van Citters 3 16.7 179.°56 5.°7/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.33	+19 53.6	2.614	3.449	10.1	19.2
2 21	12 5.81	+21 3.3	2.550	3.451	7.9	19.1
3 2	11 58.64	+22 9.5	2.512	3.452	6.2	19.0
3 12	11 50.40	+23 5.7	2.504	3.452	5.8	18.9
3 22	11 41.83	+23 46.7	2.523	3.452	7.0	19.0
4 1	11 33.71	+24 9.0	2.571	3.451	9.1	19.2
4 11	11 26.75	+24 11.6	2.643	3.450	11.3	19.3
4 21	11 21.43	+23 55.6	2.736	3.448	13.3	19.4

464899 2005 SV_{30} 3 16.7 148.°57 0.°1/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.01	− 1 51.6	2.411	3.216	11.8	22.4
2 21	12 4.86	− 1 9.9	2.334	3.228	8.8	22.2
3 2	11 58.06	− 0 16.5	2.282	3.239	5.4	22.0
3 12	11 50.22	+ 0 44.4	2.259	3.249	1.8	21.7
3 22	11 42.04	+ 1 47.7	2.266	3.258	1.9	21.8
4 1	11 34.31	+ 2 47.9	2.304	3.267	5.6	22.0
4 11	11 27.71	+ 3 40.0	2.369	3.275	8.8	22.2
4 21	11 22.75	+ 4 20.7	2.460	3.282	11.7	22.4

156858 2003 DN_3 3 16.7 227.°79 2.°4/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.35	− 6 16.9	2.178	2.966	13.4	20.5
2 21	12 7.74	− 6 28.5	2.078	2.956	10.5	20.3
3 2	12 0.08	− 6 26.5	2.002	2.946	7.2	20.1
3 12	11 50.94	− 6 12.2	1.954	2.935	3.7	19.8
3 22	11 41.17	− 5 48.2	1.934	2.924	2.7	19.8
4 1	11 31.72	− 5 18.9	1.944	2.913	5.9	19.9
4 11	11 23.51	− 4 49.5	1.982	2.901	9.6	20.1
4 21	11 17.22	− 4 24.5	2.044	2.888	12.9	20.3

319538 2006 RG_{83} 3 16.7 222.°49 0.°2/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.32	− 1 24.4	2.435	3.247	11.5	21.8
2 21	12 2.95	− 0 58.2	2.346	3.243	8.6	21.6
3 2	11 56.96	− 0 21.2	2.282	3.239	5.4	21.4
3 12	11 49.88	+ 0 23.4	2.245	3.235	1.8	21.1
3 22	11 42.40	+ 1 11.0	2.239	3.231	1.9	21.1
4 1	11 35.25	+ 1 57.0	2.261	3.227	5.5	21.4
4 11	11 29.15	+ 2 36.6	2.312	3.223	8.8	21.6
4 21	11 24.61	+ 3 6.5	2.386	3.218	11.7	21.7

263583 2008 FK_{93} 3 16.7 233.°09 1.°3/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.41	− 4 2.3	1.815	2.627	14.7	21.3
2 21	12 5.81	− 3 47.1	1.728	2.623	11.3	21.1
3 2	11 58.98	− 3 15.7	1.664	2.619	7.3	20.8
3 12	11 50.59	− 2 31.5	1.626	2.614	3.0	20.5
3 22	11 41.59	− 1 39.5	1.616	2.609	2.3	20.5
4 1	11 33.04	− 0 46.6	1.634	2.604	6.7	20.7
4 11	11 25.96	+ 0 0.6	1.679	2.599	10.9	21.0
4 21	11 21.01	+ 0 37.0	1.746	2.594	14.5	21.2

290093 2005 QX_{103} 3 16.7 193.°92 0.°2/16.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.48	− 2 4.2	2.105	2.919	12.9	22.2
2 21	12 4.06	− 1 8.9	2.018	2.918	9.7	22.0
3 2	11 57.75	+ 0 1.2	1.956	2.916	6.0	21.8
3 12	11 50.17	+ 1 21.3	1.922	2.913	1.9	21.5
3 22	11 42.11	+ 2 44.6	1.918	2.910	2.3	21.5
4 1	11 34.46	+ 4 3.9	1.943	2.906	6.4	21.8
4 11	11 28.05	+ 5 12.8	1.995	2.902	10.2	22.0
4 21	11 23.44	+ 6 6.8	2.071	2.898	13.4	22.2

195080 2002 CX_{107} 3 16.7 71.°15 2.°6/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.31	+ 4 37.6	1.396	2.245	16.4	19.7
2 21	12 7.50	+ 5 28.3	1.341	2.259	12.1	19.4
3 2	12 0.05	+ 6 30.1	1.307	2.274	7.3	19.2
3 12	11 50.92	+ 7 34.5	1.299	2.288	3.0	19.0
3 22	11 41.35	+ 8 32.5	1.317	2.303	4.7	19.1
4 1	11 32.67	+ 9 16.2	1.361	2.318	9.3	19.4
4 11	11 25.97	+ 9 40.6	1.429	2.332	13.7	19.7
4 21	11 21.87	+ 9 44.6	1.517	2.347	17.3	20.0

187883 2000 RW 3 16.7 240.°74 0.°1/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.23	− 2 52.5	2.369	3.175	11.9	21.8
2 21	12 3.80	− 1 54.8	2.263	3.157	9.0	21.6
3 2	11 57.59	− 0 41.9	2.182	3.139	5.6	21.3
3 12	11 50.14	+ 0 41.9	2.130	3.120	1.9	21.0
3 22	11 42.12	+ 2 10.7	2.108	3.100	2.1	21.0
4 1	11 34.36	+ 3 37.8	2.117	3.080	6.0	21.2
4 11	11 27.64	+ 4 56.3	2.154	3.059	9.6	21.4
4 21	11 22.54	+ 6 1.6	2.215	3.037	12.8	21.6

289992 Onfray 3 16.7 285.°07 0.°2/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.38	− 0 18.2	2.275	3.093	11.9	21.7
2 21	12 3.23	+ 0 9.6	2.171	3.073	9.0	21.4
3 2	11 57.28	+ 0 48.9	2.092	3.052	5.6	21.2
3 12	11 50.04	+ 1 36.0	2.041	3.032	1.8	20.9
3 22	11 42.23	+ 2 26.3	2.019	3.011	2.2	20.9
4 1	11 34.68	+ 3 14.2	2.026	2.990	6.1	21.1
4 11	11 28.20	+ 3 54.7	2.060	2.969	9.8	21.3
4 21	11 23.38	+ 4 23.9	2.117	2.948	13.0	21.4

425069 2009 RJ_{41} 3 16.7 120.°78 2.°1/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.82	− 7 35.7	2.232	3.017	13.2	22.4
2 21	12 5.57	− 7 19.8	2.158	3.034	10.3	22.2
3 2	11 58.55	− 6 48.3	2.108	3.050	6.9	22.1
3 12	11 50.40	− 6 4.0	2.085	3.066	3.5	21.9
3 22	11 41.91	− 5 11.1	2.091	3.082	2.4	21.8
4 1	11 33.93	− 4 15.2	2.127	3.097	5.4	22.0
4 11	11 27.22	− 3 22.0	2.191	3.111	8.7	22.3
4 21	11 22.29	− 2 36.1	2.280	3.125	11.7	22.5

311588 2006 HT_{120} 3 16.7 181.°66 4.°3/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.57	+10 21.0	1.868	2.710	13.1	21.2
2 21	12 7.29	+11 29.4	1.797	2.711	9.8	21.0
3 2	11 59.80	+12 42.6	1.751	2.712	6.3	20.8
3 12	11 50.85	+13 52.7	1.732	2.712	4.3	20.6
3 22	11 41.39	+14 51.7	1.741	2.711	6.0	20.7
4 1	11 32.51	+15 33.3	1.779	2.710	9.5	20.9
4 11	11 25.15	+15 54.1	1.841	2.708	12.9	21.1
4 21	11 19.96	+15 54.0	1.923	2.706	15.9	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
221669	2007 CP_{52}		3 16.7	45.°82	5.°8/20.7	18
	h m	° ′			°	m
2 11	12 16.53	−11 24.5	1.661	2.439	17.4	19.2
2 21	12 10.60	−12 31.1	1.585	2.447	14.1	18.9
3 2	12 2.03	−13 19.0	1.530	2.455	10.5	18.7
3 12	11 51.62	−13 46.4	1.500	2.464	7.2	18.6
3 22	11 40.51	−13 53.9	1.496	2.473	5.9	18.5
4 1	11 30.01	−13 45.1	1.520	2.483	7.9	18.6
4 11	11 21.31	−13 26.4	1.569	2.492	11.3	18.9
4 21	11 15.18	−13 4.8	1.641	2.502	14.7	19.1
340830	2006 UU_{241}		3 16.7	91.°75	1.°5/18.6	18
2 11	12 6.89	− 6 43.1	2.477	3.268	11.9	21.4
2 21	12 2.48	− 6 10.2	2.407	3.288	9.1	21.2
3 2	11 56.58	− 5 23.4	2.361	3.308	6.0	21.0
3 12	11 49.75	− 4 25.8	2.343	3.327	2.8	20.9
3 22	11 42.65	− 3 22.1	2.354	3.346	1.9	20.8
4 1	11 36.01	− 2 17.6	2.396	3.365	4.9	21.0
4 11	11 30.44	− 1 17.6	2.465	3.384	8.0	21.3
4 21	11 26.38	− 0 26.2	2.560	3.402	10.7	21.5
432422	2010 AV_{64}		3 16.7	11.°53	6.°5/10.1	17
2 11	12 9.66	+16 42.3	1.810	2.663	12.9	21.2
2 21	12 5.19	+17 59.0	1.748	2.664	10.0	21.0
3 2	11 58.53	+19 14.4	1.712	2.664	7.4	20.8
3 12	11 50.43	+20 19.5	1.702	2.665	6.5	20.8
3 22	11 41.88	+21 6.4	1.718	2.666	8.2	20.9
4 1	11 33.96	+21 30.1	1.760	2.667	11.1	21.0
4 11	11 27.60	+21 28.9	1.825	2.669	14.1	21.2
4 21	11 23.39	+21 4.4	1.909	2.670	16.7	21.4
140312	2001 SY_{319}		3 16.7	263.°98	0.°0/16.7	17
2 11	12 5.52	− 2 10.4	2.255	3.071	12.1	20.4
2 21	12 1.75	− 1 21.3	2.167	3.067	9.1	20.2
3 2	11 56.29	− 0 18.6	2.104	3.063	5.6	20.0
3 12	11 49.70	+ 0 53.3	2.068	3.059	1.8	19.7
3 22	11 42.68	+ 2 8.7	2.062	3.054	2.1	19.7
4 1	11 36.01	+ 3 21.2	2.085	3.050	5.9	20.0
4 11	11 30.45	+ 4 24.7	2.136	3.046	9.4	20.2
4 21	11 26.50	+ 5 15.3	2.210	3.042	12.5	20.4
8906	Yano		3 16.7	99.°59	0.°3/16.4	18
2 11	12 7.58	− 0 0.7	2.561	3.374	10.9	18.3
2 21	12 2.93	+ 0 34.1	2.493	3.392	8.1	18.1
3 2	11 56.83	+ 1 17.9	2.450	3.410	4.9	17.9
3 12	11 49.83	+ 2 7.0	2.436	3.427	1.5	17.7
3 22	11 42.58	+ 2 56.7	2.453	3.444	2.0	17.8
4 1	11 35.76	+ 3 42.6	2.499	3.461	5.3	18.0
4 11	11 29.99	+ 4 20.8	2.573	3.477	8.3	18.2
4 21	11 25.69	+ 4 48.6	2.671	3.494	10.8	18.4
107544	2001 DR_{70}		3 16.7	190.°64	1.°0/17.7	18
2 11	12 14.57	− 2 52.6	2.214	3.011	12.9	19.9
2 21	12 8.53	− 2 46.4	2.123	3.010	9.9	19.7
3 2	12 0.49	− 2 28.3	2.056	3.008	6.4	19.4
3 12	11 51.08	− 2 0.9	2.018	3.005	2.5	19.2
3 22	11 41.13	− 1 27.9	2.009	3.002	2.1	19.1
4 1	11 31.60	− 0 54.3	2.031	2.997	5.9	19.4
4 11	11 23.36	− 0 24.9	2.081	2.992	9.6	19.6
4 21	11 17.01	− 0 3.3	2.155	2.986	12.8	19.8
454993	2015 TG_{241}		3 16.7	101.°16	2.°4/18.5	18
2 11	12 14.91	− 5 49.5	1.411	2.225	18.1	21.1
2 21	12 9.55	− 5 48.2	1.345	2.239	14.0	20.9
3 2	12 1.40	− 5 26.2	1.300	2.252	9.3	20.6
3 12	11 51.40	− 4 46.8	1.279	2.265	4.3	20.4
3 22	11 40.83	− 3 56.0	1.285	2.277	3.1	20.3
4 1	11 31.09	− 3 2.2	1.318	2.290	7.7	20.6
4 11	11 23.40	− 2 13.6	1.375	2.302	12.3	20.9
4 21	11 18.44	− 1 36.4	1.454	2.313	16.3	21.2
291967	2006 QO_{61}		3 16.7	277.°45	2.°7/18.8	18
2 11	12 11.38	− 6 29.8	1.626	2.435	16.3	20.5
2 21	12 6.89	− 6 36.2	1.536	2.425	12.9	20.2
3 2	11 59.84	− 6 24.0	1.467	2.416	8.7	19.9
3 12	11 50.95	− 5 54.9	1.423	2.407	4.4	19.7
3 22	11 41.25	− 5 13.0	1.406	2.397	3.2	19.6
4 1	11 32.00	− 4 24.9	1.416	2.388	7.2	19.8
4 11	11 24.37	− 3 38.4	1.451	2.379	11.7	20.0
4 21	11 19.16	− 3 0.1	1.508	2.369	15.7	20.2
341410	2007 TN_{173}		3 16.7	209.°76	0.°8/15.9	17
2 11	12 8.51	+ 1 45.2	2.335	3.156	11.6	21.6
2 21	12 3.90	+ 2 16.8	2.249	3.153	8.6	21.4
3 2	11 57.58	+ 2 57.6	2.188	3.150	5.2	21.2
3 12	11 50.12	+ 3 43.6	2.156	3.146	1.7	21.0
3 22	11 42.24	+ 4 29.7	2.153	3.143	2.5	21.0
4 1	11 34.73	+ 5 11.1	2.179	3.139	6.1	21.3
4 11	11 28.34	+ 5 43.3	2.232	3.135	9.4	21.4
4 21	11 23.59	+ 6 3.9	2.310	3.131	12.4	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
420775	2013 GB_{50}		3 16.7	307.°02	4.°8/12.3	16
	h m	° ′			°	m
2 11	12 8.00	+ 8 19.1	1.425	2.285	15.4	20.8
2 21	12 4.56	+ 9 45.6	1.350	2.275	11.4	20.5
3 2	11 58.47	+11 23.2	1.299	2.265	7.3	20.3
3 12	11 50.50	+13 1.2	1.273	2.256	4.8	20.1
3 22	11 41.79	+14 28.0	1.272	2.246	7.1	20.2
4 1	11 33.66	+15 33.3	1.297	2.237	11.4	20.4
4 11	11 27.31	+16 11.4	1.344	2.229	15.7	20.6
4 21	11 23.53	+16 21.2	1.410	2.220	19.3	20.9
502685	2015 CR_{60}		3 16.7	112.°82	4.°3/12.3	18
2 11	12 10.02	+11 18.3	1.967	2.812	12.4	20.7
2 21	12 5.23	+12 20.7	1.903	2.819	9.2	20.5
3 2	11 58.46	+13 26.1	1.864	2.825	6.0	20.3
3 12	11 50.41	+14 27.2	1.852	2.831	4.3	20.2
3 22	11 41.97	+15 17.0	1.868	2.837	5.9	20.3
4 1	11 34.10	+15 50.2	1.912	2.842	9.0	20.5
4 11	11 27.65	+16 4.1	1.981	2.848	12.1	20.7
4 21	11 23.18	+15 58.8	2.071	2.853	14.9	20.9
470464	2008 AZ_{35}		3 16.7	190.°79	8.°5/28.1	18
2 11	12 12.28	−31 14.8	2.980	3.587	13.7	21.5
2 21	12 6.74	−32 14.7	2.879	3.586	12.3	21.4
3 2	11 59.40	−32 54.5	2.797	3.585	10.9	21.3
3 12	11 50.75	−33 11.5	2.738	3.583	9.6	21.2
3 22	11 41.50	−33 4.6	2.703	3.580	8.7	21.1
4 1	11 32.47	−32 35.1	2.694	3.577	8.6	21.1
4 11	11 24.46	−31 47.3	2.710	3.574	9.4	21.2
4 21	11 18.08	−30 47.0	2.751	3.571	10.6	21.2
150119	1993 TM_{10}		3 16.7	152.°13	1.°3/17.9	16
2 11	12 11.01	− 4 28.5	2.035	2.838	13.7	21.7
2 21	12 5.96	− 4 11.2	1.954	2.844	10.5	21.5
3 2	11 58.92	− 3 39.1	1.897	2.849	6.8	21.3
3 12	11 50.57	− 2 55.5	1.867	2.854	2.9	21.0
3 22	11 41.76	− 2 5.1	1.866	2.859	2.1	21.0
4 1	11 33.44	− 1 14.0	1.894	2.863	6.0	21.2
4 11	11 26.46	− 0 27.9	1.949	2.867	9.8	21.5
4 21	11 21.42	+ 0 8.7	2.028	2.871	13.0	21.7
120854	1998 QQ_{12}		3 16.7	261.°08	0.°4/16.3	18
2 11	12 10.44	− 1 51.2	1.578	2.406	15.8	19.8
2 21	12 6.35	− 0 56.0	1.480	2.386	12.1	19.5
3 2	11 59.63	+ 0 20.0	1.404	2.366	7.5	19.1
3 12	11 50.93	+ 1 51.6	1.354	2.344	2.4	18.8
3 22	11 41.28	+ 3 29.9	1.331	2.323	3.2	18.8
4 1	11 31.96	+ 5 4.1	1.336	2.300	8.5	19.0
4 11	11 24.23	+ 6 24.3	1.366	2.278	13.5	19.2
4 21	11 18.97	+ 7 24.0	1.416	2.254	17.9	19.5
474612	2004 TX_{18}		3 16.7	162.°56	12.°0/27.8	18
2 11	12 10.69	−28 44.0	1.172	1.898	25.9	21.4
2 21	12 7.43	−28 59.1	1.095	1.901	22.9	21.2
3 2	12 0.65	−28 24.6	1.031	1.904	19.2	20.9
3 12	11 51.30	−26 53.7	0.984	1.907	15.4	20.7
3 22	11 40.91	−24 27.1	0.957	1.909	12.5	20.6
4 1	11 31.35	−21 16.1	0.954	1.910	12.3	20.5
4 11	11 24.29	−17 42.7	0.974	1.911	14.9	20.7
4 21	11 20.66	−14 11.0	1.016	1.912	18.8	20.9
366419	2001 TZ_{256}		3 16.7	197.°84	4.°1/21.2	17
2 11	12 11.74	−13 37.4	2.502	3.249	13.0	22.6
2 21	12 6.32	−13 45.1	2.402	3.245	10.6	22.4
3 2	11 59.11	−13 35.8	2.324	3.241	7.9	22.2
3 12	11 50.65	−13 9.9	2.273	3.235	5.3	22.1
3 22	11 41.67	−12 29.4	2.251	3.229	4.1	22.0
4 1	11 32.99	−11 38.5	2.259	3.223	5.7	22.1
4 11	11 25.41	−10 43.0	2.296	3.215	8.4	22.2
4 21	11 19.50	− 9 48.3	2.358	3.207	11.2	22.4
330413	2007 BP_{58}		3 16.7	17.°84	2.°1/14.7	18
2 11	12 5.26	+ 1 47.6	1.427	2.279	15.8	19.8
2 21	12 2.31	+ 3 1.0	1.362	2.283	11.7	19.6
3 2	11 56.94	+ 4 30.7	1.320	2.288	7.0	19.3
3 12	11 49.97	+ 6 7.9	1.303	2.294	2.6	19.1
3 22	11 42.47	+ 7 41.8	1.312	2.300	4.4	19.2
4 1	11 35.64	+ 9 2.2	1.348	2.307	9.1	19.5
4 11	11 30.51	+10 1.6	1.406	2.315	13.5	19.7
4 21	11 27.74	+10 37.0	1.485	2.323	17.2	20.0
402562	2006 QO_{60}		3 16.7	131.°68	1.°3/15.3	18
2 11	12 11.81	+ 2 14.8	2.046	2.869	12.9	22.2
2 21	12 6.42	+ 3 6.2	1.979	2.885	9.5	22.0
3 2	11 59.13	+ 4 7.7	1.937	2.899	5.7	21.8
3 12	11 50.62	+ 5 13.6	1.923	2.913	1.9	21.6
3 22	11 41.77	+ 6 17.4	1.939	2.927	3.1	21.7
4 1	11 33.49	+ 7 12.8	1.984	2.939	6.9	21.9
4 11	11 26.61	+ 7 55.1	2.055	2.951	10.5	22.2
4 21	11 21.65	+ 8 22.0	2.150	2.963	13.5	22.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
502433	2015 BO_{270}		3 16.7	105.°64	2.°4/14.2	17
	h m	° ′			°	m
2 11	12 9.19	+ 5 54.0	2.026	2.863	12.5	21.6
2 21	12 4.54	+ 6 45.8	1.958	2.872	9.2	21.4
3 2	11 58.01	+ 7 44.8	1.916	2.880	5.6	21.2
3 12	11 50.27	+ 8 44.9	1.901	2.889	2.6	21.0
3 22	11 42.15	+ 9 39.7	1.914	2.897	4.0	21.1
4 1	11 34.57	+10 23.4	1.956	2.905	7.6	21.3
4 11	11 28.33	+10 52.0	2.024	2.913	10.9	21.5
4 21	11 23.97	+11 4.2	2.114	2.921	13.9	21.7
233485	2006 TB_{74}		3 16.7	194.°75	1.°5/18.9	18
2 11	12 5.51	− 8 2.0	2.895	3.674	10.6	21.3
2 21	12 1.40	− 7 19.7	2.798	3.672	8.3	21.1
3 2	11 55.94	− 6 23.3	2.726	3.669	5.5	20.9
3 12	11 49.58	− 5 15.6	2.683	3.666	2.7	20.8
3 22	11 42.89	− 4 0.6	2.671	3.663	1.8	20.7
4 1	11 36.48	− 2 43.3	2.689	3.659	4.4	20.9
4 11	11 30.92	− 1 29.0	2.737	3.654	7.3	21.0
4 21	11 26.66	− 0 22.2	2.811	3.649	9.9	21.2
175469	2006 QD_{127}		3 16.7	107.°70	0.°8/15.9	18
2 11	12 13.16	+ 3 39.6	2.653	3.465	10.6	20.0
2 21	12 6.97	+ 3 47.0	2.585	3.484	7.9	19.8
3 2	11 59.26	+ 3 59.9	2.543	3.503	4.7	19.7
3 12	11 50.63	+ 4 15.0	2.531	3.522	1.5	19.5
3 22	11 41.77	+ 4 29.2	2.550	3.540	2.2	19.5
4 1	11 33.40	+ 4 39.2	2.600	3.558	5.4	19.8
4 11	11 26.16	+ 4 42.6	2.678	3.575	8.3	20.0
4 21	11 20.50	+ 4 37.9	2.782	3.592	10.8	20.2
223753	2004 RE_{206}		3 16.7	177.°17	4.°8/22.6	17
2 11	12 9.93	−17 9.8	2.607	3.333	13.0	20.9
2 21	12 4.90	−17 17.2	2.511	3.335	10.8	20.7
3 2	11 58.19	−17 6.1	2.437	3.337	8.4	20.5
3 12	11 50.35	−16 36.7	2.390	3.338	6.0	20.4
3 22	11 42.06	−15 50.9	2.370	3.339	4.8	20.3
4 1	11 34.11	−14 52.9	2.380	3.338	5.8	20.4
4 11	11 27.21	−13 48.3	2.419	3.338	8.1	20.5
4 21	11 21.90	−12 43.0	2.483	3.336	10.6	20.7
37278	2000 YE_{7}		3 16.7	242.°07	6.°8/ 8.6	18
2 11	12 10.54	+19 56.5	2.156	3.000	11.5	19.4
2 21	12 5.68	+21 19.7	2.084	2.989	9.1	19.2
3 2	11 58.81	+22 40.2	2.037	2.978	7.2	19.0
3 12	11 50.58	+23 49.5	2.018	2.967	6.9	19.0
3 22	11 41.83	+24 40.4	2.027	2.955	8.5	19.1
4 1	11 33.54	+25 8.3	2.061	2.943	11.0	19.2
4 11	11 26.58	+25 11.5	2.119	2.931	13.5	19.3
4 21	11 21.56	+24 51.5	2.196	2.918	15.9	19.5
36658	2000 QG_{204}		3 16.7	283.°71	2.°3/14.6	18
2 11	12 9.18	+ 4 40.9	1.795	2.635	13.7	19.4
2 21	12 4.89	+ 5 29.1	1.716	2.631	10.1	19.1
3 2	11 58.43	+ 6 27.3	1.661	2.626	6.1	18.9
3 12	11 50.47	+ 7 29.0	1.633	2.622	2.5	18.6
3 22	11 41.97	+ 8 27.1	1.632	2.618	4.1	18.7
4 1	11 33.96	+ 9 14.4	1.659	2.613	8.2	19.0
4 11	11 27.41	+ 9 46.1	1.712	2.609	12.1	19.2
4 21	11 22.97	+ 9 59.7	1.785	2.605	15.5	19.4
467376	2004 RX_{79}		3 16.7	228.°04	6.°9/ 6.9	17
2 11	12 12.12	+23 55.7	2.614	3.444	10.2	21.8
2 21	12 6.62	+25 22.3	2.539	3.429	8.4	21.7
3 2	11 59.30	+26 43.9	2.491	3.414	7.1	21.6
3 12	11 50.73	+27 53.1	2.471	3.397	7.1	21.5
3 22	11 41.68	+28 43.9	2.479	3.380	8.5	21.6
4 1	11 32.98	+29 12.4	2.514	3.362	10.4	21.7
4 11	11 25.43	+29 17.5	2.572	3.343	12.5	21.8
4 21	11 19.59	+29 0.6	2.650	3.323	14.4	21.9
209026	2003 FQ_{21}		3 16.7	78.°10	0.°6/16.0	17
2 11	12 6.95	+ 0 21.7	2.267	3.089	11.9	20.7
2 21	12 2.68	+ 1 5.5	2.200	3.104	8.8	20.6
3 2	11 56.79	+ 1 59.5	2.158	3.119	5.3	20.4
3 12	11 49.88	+ 2 59.2	2.144	3.134	1.6	20.1
3 22	11 42.68	+ 3 59.0	2.159	3.150	2.3	20.2
4 1	11 35.96	+ 4 53.3	2.203	3.165	5.9	20.5
4 11	11 30.39	+ 5 37.7	2.274	3.180	9.2	20.7
4 21	11 26.45	+ 6 9.5	2.370	3.194	12.0	20.9
104567	2000 GC_{75}		3 16.7	261.°98	3.°5/21.5	18
2 11	12 6.87	−14 53.6	2.747	3.490	12.0	20.0
2 21	12 2.68	−14 27.0	2.623	3.465	9.9	19.8
3 2	11 56.90	−13 41.5	2.522	3.439	7.4	19.6
3 12	11 49.98	−12 37.8	2.448	3.412	4.8	19.4
3 22	11 42.52	−11 18.8	2.404	3.385	3.6	19.3
4 1	11 35.24	− 9 49.4	2.390	3.357	5.1	19.3
4 11	11 28.83	− 8 16.1	2.405	3.328	7.9	19.5
4 21	11 23.84	− 6 45.3	2.447	3.299	10.8	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
429111	2009 SQ_{173}		3 16.7	161.°37	2.°9/19.7	17
	h m	° ′			°	m
2 11	12 12.46	− 9 0.2	2.320	3.094	13.1	21.4
2 21	12 6.88	− 9 6.5	2.233	3.100	10.4	21.3
3 2	11 59.45	− 8 57.8	2.170	3.105	7.3	21.1
3 12	11 50.80	− 8 35.3	2.134	3.110	4.1	20.9
3 22	11 41.68	− 8 2.0	2.127	3.114	3.0	20.8
4 1	11 32.98	− 7 22.2	2.150	3.118	5.5	21.0
4 11	11 25.50	− 6 41.4	2.201	3.121	8.7	21.2
4 21	11 19.79	− 6 4.2	2.277	3.124	11.7	21.4
309253	2007 RC_{42}		3 16.7	345.°35	3.°6/19.5	18
2 11	12 9.51	− 8 36.9	1.393	2.207	18.3	20.7
2 21	12 5.78	− 8 39.6	1.314	2.204	14.5	20.4
3 2	11 59.29	− 8 18.3	1.255	2.202	10.1	20.2
3 12	11 50.85	− 7 34.7	1.219	2.200	5.5	19.9
3 22	11 41.61	− 6 34.2	1.208	2.198	3.8	19.8
4 1	11 32.96	− 5 25.4	1.223	2.197	7.7	20.0
4 11	11 26.18	− 4 18.4	1.261	2.196	12.5	20.3
4 21	11 22.05	− 3 21.5	1.321	2.195	16.7	20.5
44975	1999 VD_{145}		3 16.7	140.°41	2.°4/19.2	18
2 11	12 9.39	− 7 35.3	2.131	2.922	13.6	19.4
2 21	12 4.73	− 7 27.7	2.047	2.926	10.6	19.2
3 2	11 58.19	− 7 4.1	1.987	2.930	7.2	19.0
3 12	11 50.40	− 6 26.6	1.953	2.934	3.7	18.7
3 22	11 42.15	− 5 39.3	1.947	2.938	2.6	18.7
4 1	11 34.33	− 4 47.7	1.971	2.941	5.7	18.9
4 11	11 27.77	− 3 57.6	2.021	2.945	9.2	19.1
4 21	11 23.03	− 3 14.3	2.096	2.948	12.3	19.3
140420	2001 TM_{90}		3 16.7	77.°44	3.°7/21.0	18
2 11	12 7.02	−12 35.1	2.270	3.037	13.6	20.0
2 21	12 2.88	−12 30.8	2.186	3.044	10.9	19.8
3 2	11 57.01	−12 8.1	2.124	3.050	8.0	19.6
3 12	11 50.00	−11 28.3	2.089	3.057	5.0	19.4
3 22	11 42.59	−10 34.9	2.081	3.064	3.7	19.4
4 1	11 35.58	− 9 33.1	2.102	3.071	5.5	19.5
4 11	11 29.73	− 8 29.3	2.150	3.077	8.5	19.7
4 21	11 25.55	− 7 29.2	2.223	3.084	11.4	19.9
133209	2003 QN_{68}		3 16.7	231.°53	0.°7/17.4	17
2 11	12 11.27	− 3 25.8	1.860	2.671	14.5	21.0
2 21	12 6.53	− 2 55.4	1.765	2.661	11.1	20.7
3 2	11 59.52	− 2 8.2	1.693	2.649	7.1	20.5
3 12	11 50.89	− 1 8.0	1.649	2.638	2.6	20.2
3 22	11 41.56	− 0 0.9	1.632	2.625	2.3	20.1
4 1	11 32.61	+ 1 5.9	1.644	2.612	6.9	20.4
4 11	11 25.07	+ 2 5.0	1.683	2.598	11.2	20.6
4 21	11 19.66	+ 2 51.1	1.744	2.584	14.9	20.8
454112	2013 CA_{76}		3 16.7	344.°83	4.°5/19.7	18
2 11	12 8.23	− 8 37.8	1.170	1.999	20.2	20.6
2 21	12 5.30	− 9 1.1	1.094	1.991	16.2	20.3
3 2	11 59.24	− 8 58.7	1.035	1.985	11.4	20.0
3 12	11 50.89	− 8 30.9	0.998	1.979	6.5	19.7
3 22	11 41.54	− 7 42.2	0.985	1.974	4.7	19.5
4 1	11 32.82	− 6 41.5	0.994	1.971	8.7	19.8
4 11	11 26.22	− 5 40.2	1.026	1.968	13.8	20.0
4 21	11 22.67	− 4 48.1	1.077	1.966	18.5	20.3
274780	2008 VQ_{23}		3 16.7	227.°80	3.°2/12.9	18
2 11	12 9.13	+ 9 21.8	2.333	3.170	11.0	20.9
2 21	12 4.44	+10 17.0	2.249	3.162	8.2	20.7
3 2	11 57.98	+11 16.9	2.192	3.154	5.2	20.5
3 12	11 50.33	+12 15.6	2.162	3.145	3.3	20.4
3 22	11 42.23	+13 7.2	2.162	3.135	4.7	20.5
4 1	11 34.50	+13 46.6	2.191	3.126	7.7	20.6
4 11	11 27.91	+14 10.4	2.245	3.116	10.8	20.8
4 21	11 22.99	+14 17.5	2.322	3.106	13.5	21.0
313432	2002 QC_{116}		3 16.7	104.°78	3.°6/19.9	18
2 11	12 12.48	− 9 32.3	1.739	2.529	16.2	21.5
2 21	12 7.39	− 9 40.3	1.665	2.539	12.9	21.3
3 2	11 59.97	− 9 28.3	1.611	2.550	9.0	21.1
3 12	11 51.01	− 8 57.8	1.583	2.560	5.2	20.9
3 22	11 41.51	− 8 12.9	1.583	2.570	3.7	20.8
4 1	11 32.63	− 7 20.1	1.610	2.580	6.7	21.0
4 11	11 25.37	− 6 26.8	1.663	2.590	10.5	21.2
4 21	11 20.38	− 5 39.7	1.739	2.599	14.0	21.5
431165	2006 RC_{45}		3 16.7	218.°66	1.°8/14.5	17
2 11	12 9.65	+ 6 31.6	2.702	3.527	10.1	21.8
2 21	12 4.57	+ 7 0.8	2.613	3.520	7.5	21.7
3 2	11 57.95	+ 7 34.8	2.550	3.512	4.6	21.5
3 12	11 50.31	+ 8 9.6	2.516	3.504	2.0	21.3
3 22	11 42.28	+ 8 41.0	2.512	3.496	3.1	21.3
4 1	11 34.56	+ 9 5.2	2.539	3.487	6.1	21.5
4 11	11 27.83	+ 9 19.3	2.593	3.478	9.0	21.7
4 21	11 22.57	+ 9 21.9	2.670	3.468	11.5	21.8

308548 2005 UX_{251} 3 16.7 223.°60 5.°2/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.62	−20 35.5	3.125	3.822	11.6	21.8
2 21	12 3.04	−20 50.0	3.014	3.811	9.9	21.6
3 2	11 57.03	−20 47.7	2.926	3.801	8.0	21.5
3 12	11 50.02	−20 28.2	2.863	3.790	6.2	21.4
3 22	11 42.57	−19 52.6	2.827	3.779	5.2	21.3
4 1	11 35.33	−19 3.6	2.821	3.767	5.7	21.3
4 11	11 28.92	−18 5.6	2.843	3.755	7.3	21.4
4 21	11 23.82	−17 3.8	2.891	3.742	9.3	21.5

235714 2004 TD_{112} 3 16.7 215.°10 9.°2/28.0 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.88	−29 17.0	2.254	2.909	16.6	20.4
2 21	12 4.63	−29 47.0	2.155	2.905	14.8	20.2
3 2	11 58.29	−29 50.0	2.073	2.901	12.8	20.0
3 12	11 50.48	−29 23.0	2.013	2.896	10.8	19.9
3 22	11 42.04	−28 26.1	1.976	2.892	9.4	19.8
4 1	11 33.96	−27 2.5	1.965	2.887	9.3	19.8
4 11	11 27.19	−25 19.9	1.980	2.882	10.5	19.8
4 21	11 22.38	−23 27.5	2.019	2.877	12.5	20.0

22751 1998 UA_{27} 3 16.7 302.°77 3.°8/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.26	+ 5 45.2	1.280	2.140	16.8	16.9
2 21	12 5.90	+ 6 49.1	1.199	2.124	12.6	16.6
3 2	11 59.55	+ 8 7.7	1.139	2.108	7.8	16.3
3 12	11 50.99	+ 9 31.6	1.104	2.092	3.9	16.0
3 22	11 41.45	+10 49.3	1.093	2.077	6.2	16.1
4 1	11 32.46	+11 49.4	1.107	2.062	11.3	16.3
4 11	11 25.43	+12 24.6	1.143	2.047	16.3	16.5
4 21	11 21.27	+12 32.4	1.197	2.033	20.6	16.8

272503 2005 UZ_{164} 3 16.7 258.°83 1.°6/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.31	+ 3 48.5	1.921	2.752	13.3	21.4
2 21	12 6.48	+ 4 21.1	1.828	2.738	9.9	21.1
3 2	11 59.45	+ 5 3.4	1.760	2.724	6.1	20.9
3 12	11 50.87	+ 5 50.4	1.719	2.709	2.2	20.6
3 22	11 41.62	+ 6 35.9	1.706	2.694	3.5	20.6
4 1	11 32.75	+ 7 13.7	1.722	2.679	7.7	20.9
4 11	11 25.26	+ 7 38.9	1.763	2.664	11.6	21.1
4 21	11 19.83	+ 7 48.8	1.827	2.648	15.1	21.3

187125 Marxgyörgy 3 16.7 123.°00 4.°4/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.03	+ 9 5.7	1.888	2.736	12.7	20.1
2 21	12 3.88	+10 47.0	1.825	2.744	9.4	19.9
3 2	11 57.72	+12 35.1	1.787	2.751	6.1	19.7
3 12	11 50.26	+14 20.6	1.778	2.757	4.4	19.6
3 22	11 42.37	+15 54.3	1.797	2.764	6.2	19.8
4 1	11 35.02	+17 8.7	1.844	2.770	9.5	20.0
4 11	11 29.08	+17 59.6	1.915	2.776	12.8	20.2
4 21	11 25.11	+18 26.4	2.007	2.782	15.6	20.4

450488 2005 YJ_{67} 3 16.7 62.°48 2.°8/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.92	+ 4 47.1	1.269	2.122	17.4	21.2
2 21	12 8.21	+ 5 35.8	1.215	2.136	12.8	20.9
3 2	12 0.63	+ 6 36.2	1.183	2.151	7.8	20.7
3 12	11 51.23	+ 7 39.2	1.176	2.165	3.2	20.4
3 22	11 41.35	+ 8 35.0	1.194	2.180	5.0	20.6
4 1	11 32.46	+ 9 15.4	1.237	2.195	9.9	20.9
4 11	11 25.73	+ 9 35.4	1.304	2.211	14.4	21.2
4 21	11 21.80	+ 9 34.1	1.389	2.226	18.2	21.5

63576 2001 QS_{27} 3 16.7 130.°53 1.°2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.57	− 5 38.4	1.654	2.464	16.0	19.7
2 21	12 6.75	− 4 56.5	1.582	2.475	12.3	19.5
3 2	11 59.59	− 3 54.3	1.532	2.486	7.9	19.3
3 12	11 50.89	− 2 36.6	1.509	2.496	3.2	19.0
3 22	11 41.68	− 1 11.2	1.513	2.506	2.4	19.0
4 1	11 33.13	+ 0 13.0	1.546	2.515	7.0	19.3
4 11	11 26.25	+ 1 27.4	1.604	2.524	11.3	19.5
4 21	11 21.66	+ 2 26.3	1.685	2.532	15.0	19.8

366855 2005 SQ_{15} 3 16.7 112.°69 0.°7/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.37	− 2 35.0	1.902	2.715	14.1	21.9
2 21	12 6.33	− 2 17.2	1.828	2.725	10.7	21.7
3 2	11 59.22	− 1 45.5	1.778	2.734	6.8	21.4
3 12	11 50.75	− 1 3.8	1.755	2.744	2.5	21.2
3 22	11 41.85	− 0 17.3	1.760	2.753	2.2	21.2
4 1	11 33.51	+ 0 28.0	1.794	2.762	6.4	21.5
4 11	11 26.63	+ 1 6.3	1.854	2.771	10.3	21.7
4 21	11 21.78	+ 1 33.8	1.937	2.779	13.6	21.9

210371 2007 VL_{25} 3 16.7 153.°56 1.°6/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.96	− 5 10.0	2.562	3.352	11.6	20.8
2 21	12 4.85	− 5 7.4	2.476	3.357	8.9	20.6
3 2	11 58.14	− 4 53.2	2.415	3.362	5.9	20.4
3 12	11 50.38	− 4 29.4	2.382	3.366	2.8	20.2
3 22	11 42.25	− 3 59.2	2.379	3.371	2.0	20.2
4 1	11 34.49	− 3 26.6	2.406	3.375	4.9	20.4
4 11	11 27.79	− 2 55.8	2.461	3.378	8.0	20.6
4 21	11 22.62	− 2 30.3	2.542	3.382	10.8	20.7

181752 1996 JZ_6 3 16.7 304.°10 2.°2/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.85	+ 3 51.6	1.577	2.423	14.9	20.8
2 21	12 5.06	+ 4 36.5	1.491	2.408	11.2	20.6
3 2	11 58.77	+ 5 34.0	1.427	2.393	6.8	20.3
3 12	11 50.70	+ 6 37.7	1.389	2.379	2.6	20.0
3 22	11 41.85	+ 7 39.2	1.377	2.365	4.3	20.0
4 1	11 33.45	+ 8 30.3	1.392	2.351	9.0	20.3
4 11	11 26.66	+ 9 4.4	1.431	2.337	13.5	20.5
4 21	11 22.25	+ 9 18.6	1.490	2.324	17.4	20.7

72141 2000 YL_{85} 3 16.7 349.°28 4.°5/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.99	+ 8 5.5	1.424	2.283	15.5	18.7
2 21	12 5.23	+ 9 24.6	1.358	2.281	11.5	18.5
3 2	11 58.86	+10 53.5	1.313	2.280	7.3	18.2
3 12	11 50.70	+12 21.8	1.295	2.279	4.6	18.0
3 22	11 41.91	+13 38.7	1.302	2.278	6.7	18.2
4 1	11 33.79	+14 35.1	1.334	2.277	10.9	18.4
4 11	11 27.51	+15 5.8	1.389	2.277	15.0	18.6
4 21	11 23.76	+15 10.4	1.463	2.277	18.6	18.9

361329 2006 UU_{61} 3 16.7 233.°15 4.°6/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.18	−15 8.0	2.260	3.006	14.2	21.6
2 21	12 6.24	−15 5.8	2.149	2.990	11.8	21.4
3 2	11 59.27	−14 42.9	2.059	2.973	8.9	21.1
3 12	11 50.83	−13 59.1	1.995	2.956	6.0	20.9
3 22	11 41.70	−12 57.0	1.960	2.938	4.6	20.8
4 1	11 32.81	−11 41.5	1.954	2.918	6.3	20.9
4 11	11 25.08	−10 20.2	1.976	2.898	9.4	21.0
4 21	11 19.19	− 9 0.4	2.023	2.877	12.6	21.2

270582 2002 JY_{144} 3 16.7 354.°90 4.°0/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.41	+ 7 5.2	1.737	2.590	13.4	19.5
2 21	12 2.15	+ 8 44.5	1.667	2.589	9.9	19.3
3 2	11 56.78	+10 34.0	1.621	2.587	6.2	19.1
3 12	11 49.99	+12 24.2	1.603	2.586	4.0	19.0
3 22	11 42.70	+14 4.9	1.613	2.586	6.0	19.1
4 1	11 35.92	+15 27.3	1.649	2.586	9.7	19.3
4 11	11 30.56	+16 25.8	1.710	2.586	13.3	19.5
4 21	11 27.25	+16 58.8	1.791	2.586	16.4	19.7

330859 2009 QP_{29} 3 16.7 127.°64 1.°6/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.96	− 7 23.1	2.475	3.257	12.2	21.9
2 21	12 4.81	− 6 47.7	2.401	3.277	9.4	21.7
3 2	11 58.07	− 5 57.5	2.351	3.295	6.2	21.5
3 12	11 50.35	− 4 55.9	2.330	3.313	2.9	21.3
3 22	11 42.34	− 3 47.4	2.338	3.330	2.0	21.3
4 1	11 34.80	− 2 37.7	2.378	3.347	5.0	21.5
4 11	11 28.39	− 1 32.4	2.446	3.362	8.1	21.7
4 21	11 23.57	− 0 35.9	2.540	3.377	10.9	21.9

495202 2013 CG_{48} 3 16.7 64.°57 3.°6/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.41	+ 5 56.4	1.402	2.256	16.0	20.8
2 21	12 6.27	+ 7 7.3	1.338	2.260	11.8	20.5
3 2	11 59.47	+ 8 29.8	1.297	2.264	7.2	20.3
3 12	11 50.89	+ 9 54.0	1.281	2.268	3.7	20.1
3 22	11 41.73	+11 9.6	1.291	2.273	5.7	20.2
4 1	11 33.32	+12 7.3	1.327	2.277	10.2	20.5
4 11	11 26.80	+12 41.6	1.386	2.282	14.5	20.7
4 21	11 22.87	+12 51.4	1.465	2.286	18.2	21.0

469122 2015 DU_{206} 3 16.7 337.°80 1.°2/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.37	+ 1 23.5	2.074	2.906	12.4	20.6
2 21	12 1.80	+ 2 21.7	1.992	2.903	9.2	20.4
3 2	11 56.44	+ 3 31.9	1.936	2.900	5.5	20.2
3 12	11 49.86	+ 4 48.6	1.907	2.898	1.8	19.9
3 22	11 42.85	+ 6 4.8	1.906	2.895	3.0	20.0
4 1	11 36.23	+ 7 13.9	1.935	2.893	6.9	20.3
4 11	11 30.81	+ 8 9.9	1.989	2.891	10.4	20.5
4 21	11 27.12	+ 8 49.7	2.066	2.889	13.5	20.7

497766 2006 SQ_{311} 3 16.7 121.°49 0.°0/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.26	− 0 1.0	2.641	3.450	10.8	21.7
2 21	12 4.22	+ 0 16.3	2.565	3.462	8.0	21.5
3 2	11 57.69	+ 0 42.0	2.515	3.473	5.0	21.3
3 12	11 50.23	+ 1 12.9	2.494	3.484	1.6	21.1
3 22	11 42.48	+ 1 45.4	2.503	3.495	1.8	21.1
4 1	11 35.13	+ 2 15.6	2.542	3.506	5.1	21.4
4 11	11 28.81	+ 2 40.0	2.609	3.516	8.1	21.6
4 21	11 23.97	+ 2 56.1	2.701	3.526	10.7	21.8

165380 2000 WF_{146} 3 16.7 190.°48 10.°9/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.33	+32 59.5	2.080	2.898	12.9	20.4
2 21	12 10.28	+35 2.6	2.036	2.897	11.5	20.3
3 2	12 1.77	+36 51.1	2.018	2.895	10.9	20.2
3 12	11 51.62	+38 14.5	2.024	2.893	11.4	20.2
3 22	11 40.94	+39 5.8	2.055	2.889	12.8	20.3
4 1	11 30.94	+39 22.1	2.108	2.884	14.6	20.4
4 11	11 22.69	+39 5.2	2.179	2.879	16.5	20.6
4 21	11 16.87	+38 19.9	2.266	2.873	18.1	20.7

259203 2003 AJ_{50} 3 16.8 38.°16 3.°2/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.26	+ 6 41.5	1.487	2.340	15.3	20.3
2 21	12 5.96	+ 7 30.4	1.427	2.347	11.3	20.0
3 2	11 59.17	+ 8 27.9	1.389	2.356	6.9	19.8
3 12	11 50.77	+ 9 25.6	1.377	2.365	3.4	19.6
3 22	11 41.90	+10 15.4	1.391	2.374	5.2	19.7
4 1	11 33.78	+10 50.1	1.431	2.383	9.4	20.0
4 11	11 27.47	+11 5.5	1.495	2.393	13.5	20.2
4 21	11 23.60	+11 0.8	1.578	2.404	16.9	20.5

379470 2010 DQ_4 3 16.8 102.°63 2.°4/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.36	− 7 2.6	2.148	2.937	13.6	21.4
2 21	12 6.11	− 7 4.8	2.073	2.951	10.6	21.2
3 2	11 59.00	− 6 52.2	2.022	2.965	7.1	21.0
3 12	11 50.69	− 6 26.8	1.997	2.978	3.7	20.8
3 22	11 41.98	− 5 52.2	2.001	2.991	2.6	20.8
4 1	11 33.79	− 5 13.4	2.035	3.004	5.6	21.0
4 11	11 26.90	− 4 35.6	2.095	3.017	9.0	21.2
4 21	11 21.86	− 4 3.5	2.181	3.030	12.0	21.4

501471 2014 BR_{30} 3 16.8 104.°18 1.°1/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.88	+ 1 20.4	2.399	3.223	11.2	21.6
2 21	12 1.88	+ 2 19.3	2.325	3.231	8.3	21.5
3 2	11 56.34	+ 3 28.1	2.277	3.240	5.0	21.3
3 12	11 49.81	+ 4 41.8	2.258	3.249	1.6	21.0
3 22	11 42.96	+ 5 54.6	2.269	3.257	2.6	21.1
4 1	11 36.52	+ 7 0.6	2.309	3.265	6.0	21.4
4 11	11 31.13	+ 7 55.2	2.376	3.274	9.2	21.6
4 21	11 27.27	+ 8 35.6	2.467	3.282	11.9	21.8

145234 2005 JQ_{80} 3 16.8 165.°48 0.°8/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.89	+ 0 37.2	2.928	3.741	9.7	20.9
2 21	12 1.65	+ 1 39.2	2.845	3.745	7.2	20.8
3 2	11 56.11	+ 2 50.3	2.789	3.750	4.3	20.6
3 12	11 49.72	+ 4 6.2	2.763	3.754	1.4	20.4
3 22	11 43.05	+ 5 22.0	2.768	3.757	2.2	20.4
4 1	11 36.68	+ 6 32.8	2.804	3.760	5.1	20.6
4 11	11 31.17	+ 7 34.3	2.869	3.763	7.9	20.8
4 21	11 26.93	+ 8 23.7	2.959	3.765	10.3	21.0

433926 2015 CZ_3 3 16.8 46.°31 0.°6/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 18.03	+ 0 58.5	1.558	2.382	16.2	20.3
2 21	12 11.50	+ 0 29.3	1.501	2.404	12.2	20.1
3 2	12 2.44	+ 0 10.2	1.467	2.426	7.6	19.9
3 12	11 51.81	− 0 1.4	1.459	2.449	2.7	19.6
3 22	11 40.83	− 0 9.1	1.479	2.472	2.5	19.7
4 1	11 30.79	− 0 16.9	1.527	2.495	7.2	20.0
4 11	11 22.73	− 0 28.6	1.600	2.519	11.4	20.3
4 21	11 17.24	− 0 46.6	1.696	2.543	15.0	20.6

48125 2001 FK_{105} 3 16.8 246.°20 0.°3/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.89	− 0 46.6	1.903	2.723	13.9	19.7
2 21	12 6.23	− 0 10.2	1.806	2.708	10.5	19.4
3 2	11 59.36	+ 0 40.8	1.733	2.693	6.5	19.1
3 12	11 50.89	+ 1 42.0	1.687	2.677	2.1	18.8
3 22	11 41.71	+ 2 47.0	1.669	2.661	2.6	18.8
4 1	11 32.88	+ 3 48.7	1.680	2.644	7.1	19.1
4 11	11 25.40	+ 4 40.4	1.718	2.627	11.4	19.3
4 21	11 19.99	+ 5 17.5	1.777	2.610	15.0	19.5

79079 4302 $T\text{-}3$ 3 16.8 266.°35 1.°5/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.07	+ 2 5.9	1.775	2.606	14.2	20.3
2 21	12 6.60	+ 2 53.8	1.674	2.584	10.7	20.1
3 2	11 59.72	+ 3 55.9	1.597	2.561	6.6	19.8
3 12	11 51.05	+ 5 6.6	1.547	2.538	2.2	19.4
3 22	11 41.52	+ 6 18.2	1.525	2.514	3.6	19.5
4 1	11 32.28	+ 7 22.5	1.531	2.489	8.3	19.7
4 11	11 24.46	+ 8 12.3	1.562	2.464	12.8	19.9
4 21	11 18.88	+ 8 43.7	1.615	2.439	16.7	20.1

239732 2009 BG_{177} 3 16.8 137.°15 4.°8/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.75	+15 42.1	2.461	3.302	10.4	20.1
2 21	12 3.99	+16 47.1	2.399	3.309	7.9	20.0
3 2	11 57.62	+17 51.3	2.363	3.315	5.6	19.8
3 12	11 50.23	+18 48.3	2.355	3.321	4.8	19.8
3 22	11 42.53	+19 32.8	2.377	3.326	6.1	19.9
4 1	11 35.28	+20 0.8	2.426	3.332	8.5	20.0
4 11	11 29.18	+20 10.5	2.500	3.337	10.9	20.2
4 21	11 24.69	+20 2.5	2.595	3.342	13.1	20.4

260955 2005 SL_{33} 3 16.8 279.°95 2.°6/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.78	−12 21.5	2.489	3.256	12.5	21.4
2 21	12 1.24	−11 30.8	2.374	3.236	10.0	21.2
3 2	11 56.09	−10 19.3	2.283	3.215	7.1	21.0
3 12	11 49.79	− 8 49.2	2.219	3.194	4.1	20.7
3 22	11 42.98	− 7 4.9	2.184	3.173	2.7	20.6
4 1	11 36.41	− 5 13.3	2.181	3.152	5.1	20.7
4 11	11 30.78	− 3 22.3	2.206	3.131	8.4	20.9
4 21	11 26.66	− 1 38.9	2.258	3.109	11.6	21.0

241547 2010 FF_{13} 3 16.8 288.°09 1.°0/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.49	+ 2 27.5	2.132	2.960	12.3	20.8
2 21	12 4.18	+ 2 55.4	2.039	2.946	9.2	20.6
3 2	11 57.96	+ 3 33.0	1.970	2.933	5.6	20.4
3 12	11 50.41	+ 4 15.9	1.928	2.919	1.8	20.1
3 22	11 42.31	+ 4 58.8	1.916	2.906	2.8	20.1
4 1	11 34.55	+ 5 36.5	1.932	2.892	6.7	20.3
4 11	11 27.98	+ 6 4.2	1.974	2.879	10.4	20.5
4 21	11 23.19	+ 6 19.1	2.039	2.865	13.6	20.7

76033 2000 DW_{46} 3 16.8 161.°63 0.°4/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.60	− 2 11.6	2.432	3.239	11.6	20.0
2 21	12 3.92	− 1 43.4	2.349	3.243	8.8	19.8
3 2	11 57.62	− 1 3.8	2.291	3.247	5.5	19.6
3 12	11 50.26	− 0 16.3	2.261	3.250	2.0	19.4
3 22	11 42.52	+ 0 34.6	2.260	3.253	1.8	19.4
4 1	11 35.17	+ 1 24.0	2.290	3.256	5.4	19.6
4 11	11 28.90	+ 2 7.2	2.347	3.258	8.7	19.8
4 21	11 24.20	+ 2 40.7	2.429	3.260	11.5	20.0

126058 2001 YX_{79} 3 16.8 157.°34 0.°2/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.64	− 1 43.1	2.298	3.105	12.2	20.9
2 21	12 5.50	− 1 13.3	2.217	3.112	9.2	20.7
3 2	11 58.62	− 0 31.9	2.162	3.118	5.7	20.5
3 12	11 50.59	+ 0 17.5	2.135	3.124	2.0	20.3
3 22	11 42.17	+ 1 9.9	2.137	3.130	2.0	20.3
4 1	11 34.19	+ 1 59.9	2.170	3.134	5.7	20.5
4 11	11 27.40	+ 2 42.8	2.230	3.139	9.1	20.7
4 21	11 22.32	+ 3 15.1	2.314	3.142	12.1	20.9

15721 1990 OV 3 16.8 254.°48 2.°3/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.90	− 7 40.3	1.609	2.416	16.6	18.3
2 21	12 5.88	− 7 14.1	1.515	2.404	13.0	18.1
3 2	11 59.34	− 6 24.5	1.442	2.391	8.8	17.8
3 12	11 50.94	− 5 14.5	1.394	2.378	4.2	17.5
3 22	11 41.71	− 3 50.1	1.373	2.365	2.9	17.4
4 1	11 32.88	− 2 20.5	1.379	2.352	7.3	17.6
4 11	11 25.64	− 0 56.0	1.411	2.338	12.0	17.8
4 21	11 20.80	+ 0 15.4	1.465	2.324	16.2	18.0

62081 2000 RS_{82} 3 16.8 122.°14 3.°3/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.97	−12 36.4	2.197	2.962	14.0	19.3
2 21	12 4.34	−12 11.4	2.118	2.977	11.2	19.1
3 2	11 57.93	−11 26.5	2.062	2.990	8.0	18.9
3 12	11 50.37	−10 23.7	2.032	3.004	4.8	18.7
3 22	11 42.43	− 9 7.8	2.031	3.017	3.4	18.7
4 1	11 34.98	− 7 45.1	2.060	3.029	5.5	18.8
4 11	11 28.78	− 6 23.1	2.116	3.041	8.7	19.0
4 21	11 24.35	− 5 8.1	2.198	3.053	11.7	19.2

27045 1998 RY_{74} 3 16.8 153.°51 0.°2/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.75	− 1 14.9	1.624	2.444	15.8	19.9
2 21	12 9.25	− 0 54.6	1.549	2.450	12.0	19.6
3 2	12 1.23	− 0 19.3	1.497	2.456	7.5	19.4
3 12	11 51.50	+ 0 26.5	1.471	2.461	2.5	19.1
3 22	11 41.18	+ 1 16.3	1.473	2.466	2.6	19.1
4 1	11 31.52	+ 2 2.8	1.503	2.470	7.5	19.4
4 11	11 23.62	+ 2 39.7	1.558	2.473	11.9	19.7
4 21	11 18.18	+ 3 2.9	1.635	2.476	15.7	19.9

284987 2010 HH_{105} 3 16.8 198.°14 0.°3/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.43	− 1 56.8	2.420	3.230	11.6	21.2
2 21	12 3.10	− 1 27.3	2.333	3.229	8.7	21.0
3 2	11 57.15	− 0 46.4	2.270	3.227	5.5	20.8
3 12	11 50.12	+ 0 2.5	2.236	3.225	1.9	20.5
3 22	11 42.69	+ 0 54.9	2.231	3.224	1.8	20.5
4 1	11 35.61	+ 1 45.6	2.255	3.221	5.4	20.7
4 11	11 29.58	+ 2 29.8	2.308	3.219	8.8	21.0
4 21	11 25.10	+ 3 4.2	2.384	3.217	11.7	21.1

64961 2001 YU_{137} 3 16.8 77.°14 9.°5/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.00	+32 36.6	2.331	3.151	11.6	19.4
2 21	12 6.62	+33 59.6	2.296	3.161	10.2	19.4
3 2	11 59.29	+35 8.6	2.286	3.171	9.5	19.3
3 12	11 50.79	+35 56.1	2.301	3.181	9.8	19.4
3 22	11 42.02	+36 17.4	2.340	3.190	10.9	19.4
4 1	11 33.95	+36 11.1	2.403	3.200	12.5	19.6
4 11	11 27.37	+35 38.6	2.486	3.210	14.1	19.7
4 21	11 22.78	+34 43.7	2.585	3.220	15.5	19.9

17912 1999 FV_{44} 3 16.8 137.°54 1.°6/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.32	− 6 44.7	1.854	2.652	15.1	18.6
2 21	12 7.10	− 6 7.3	1.780	2.666	11.6	18.4
3 2	11 59.74	− 5 10.9	1.729	2.678	7.6	18.2
3 12	11 50.98	− 3 59.5	1.705	2.691	3.4	17.9
3 22	11 41.78	− 2 39.7	1.710	2.702	2.3	17.9
4 1	11 33.18	− 1 19.3	1.743	2.713	6.4	18.2
4 11	11 26.10	− 0 6.2	1.804	2.723	10.4	18.4
4 21	11 21.14	+ 0 54.2	1.888	2.732	13.8	18.7

459066 2012 BG_{27} 3 16.8 29.°26 6.°2/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.04	−14 1.7	1.274	2.074	20.5	20.3
2 21	12 4.78	−14 23.7	1.210	2.085	16.7	20.1
3 2	11 58.70	−14 15.6	1.164	2.096	12.4	19.9
3 12	11 50.71	−13 37.3	1.140	2.108	8.3	19.7
3 22	11 42.07	−12 33.7	1.139	2.121	6.2	19.6
4 1	11 34.21	−11 14.1	1.163	2.135	8.4	19.8
4 11	11 28.38	− 9 50.5	1.209	2.150	12.3	20.0
4 21	11 25.30	− 8 33.5	1.277	2.165	16.3	20.3

49505 1999 CF_{19} 3 16.8 44.°94 3.°1/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.59	− 8 21.0	2.058	2.845	14.1	18.5
2 21	12 5.74	− 8 38.5	1.975	2.849	11.2	18.3
3 2	11 58.90	− 8 40.3	1.914	2.853	7.8	18.1
3 12	11 50.72	− 8 27.7	1.880	2.857	4.5	17.9
3 22	11 42.04	− 8 3.3	1.874	2.861	3.3	17.9
4 1	11 33.80	− 7 31.8	1.896	2.866	5.9	18.0
4 11	11 26.88	− 6 58.8	1.945	2.870	9.3	18.3
4 21	11 21.88	− 6 29.1	2.018	2.875	12.5	18.5

209973 2006 HN_{25} 3 16.8 265.°35 0.°8/17.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.98	− 4 1.0	1.682	2.500	15.5	21.2
2 21	12 5.88	− 3 27.6	1.584	2.482	11.9	20.9
3 2	11 59.32	− 2 34.4	1.508	2.465	7.7	20.6
3 12	11 50.95	− 1 25.5	1.458	2.446	2.9	20.3
3 22	11 41.72	− 0 7.3	1.435	2.428	2.5	20.2
4 1	11 32.84	+ 1 11.3	1.439	2.409	7.5	20.4
4 11	11 25.45	+ 2 21.6	1.470	2.390	12.2	20.7
4 21	11 20.36	+ 3 16.9	1.522	2.370	16.3	20.9

519286 2011 BF_{167} 3 16.8 241.°65 1.°2/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.41	− 4 45.5	1.929	2.739	14.1	22.0
2 21	12 4.26	− 4 17.0	1.842	2.735	10.8	21.8
3 2	11 58.06	− 3 31.8	1.777	2.731	7.0	21.5
3 12	11 50.47	− 2 33.4	1.740	2.727	2.9	21.3
3 22	11 42.32	− 1 27.4	1.730	2.723	2.2	21.2
4 1	11 34.59	− 0 20.7	1.749	2.719	6.3	21.5
4 11	11 28.19	+ 0 39.5	1.794	2.714	10.3	21.7
4 21	11 23.74	+ 1 28.2	1.862	2.710	13.8	21.9

175147 2005 EN_{25} 3 16.8 89.°60 2.°3/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.12	+ 2 55.8	1.558	2.400	15.3	20.1
2 21	12 5.76	+ 4 5.2	1.496	2.412	11.3	19.9
3 2	11 59.03	+ 5 27.8	1.458	2.424	6.8	19.6
3 12	11 50.77	+ 6 55.2	1.445	2.435	2.6	19.4
3 22	11 42.05	+ 8 17.8	1.461	2.447	4.3	19.5
4 1	11 34.04	+ 9 26.8	1.503	2.458	8.8	19.8
4 11	11 27.76	+10 16.3	1.569	2.469	12.9	20.1
4 21	11 23.80	+10 44.0	1.657	2.480	16.3	20.3

156727 2002 VR_{11} 3 16.8 109.°72 2.°3/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.18	+ 4 35.2	1.462	2.301	16.3	21.0
2 21	12 10.38	+ 5 14.1	1.402	2.316	12.1	20.8
3 2	12 1.91	+ 6 3.3	1.365	2.330	7.3	20.5
3 12	11 51.71	+ 6 55.3	1.354	2.344	2.8	20.3
3 22	11 41.04	+ 7 42.0	1.370	2.357	4.4	20.4
4 1	11 31.27	+ 8 16.3	1.413	2.370	9.0	20.7
4 11	11 23.52	+ 8 33.6	1.481	2.383	13.3	21.0
4 21	11 18.43	+ 8 32.7	1.569	2.395	17.0	21.3

172107 2002 GW_{41} 3 16.8 263.°01 2.°1/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.17	− 7 14.5	1.652	2.460	16.1	20.4
2 21	12 5.27	− 6 47.5	1.558	2.448	12.6	20.2
3 2	11 58.92	− 5 58.2	1.486	2.436	8.5	19.9
3 12	11 50.81	− 4 49.5	1.439	2.424	4.0	19.6
3 22	11 41.91	− 3 27.6	1.418	2.411	2.7	19.5
4 1	11 33.41	− 2 1.3	1.426	2.398	7.1	19.7
4 11	11 26.44	− 0 40.2	1.458	2.385	11.7	19.9
4 21	11 21.78	+ 0 28.0	1.513	2.372	15.9	20.1

2865 Laurel 3 16.8 292.°05 6.°0/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.28	−12 57.2	1.757	2.527	16.8	15.5
2 21	12 9.08	−13 52.9	1.664	2.519	13.9	15.3
3 2	12 1.29	−14 29.5	1.591	2.512	10.6	15.1
3 12	11 51.60	−14 45.3	1.543	2.504	7.4	14.9
3 22	11 41.03	−14 40.6	1.522	2.497	6.1	14.8
4 1	11 30.83	−14 18.9	1.528	2.490	7.9	14.9
4 11	11 22.19	−13 46.7	1.559	2.483	11.3	15.0
4 21	11 15.97	−13 11.5	1.612	2.476	14.8	15.2

229105 2004 RP_{39} 3 16.8 126.°71 0.°5/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.10	+ 0 50.6	2.510	3.320	11.2	21.6
2 21	12 5.61	+ 1 25.9	2.441	3.339	8.3	21.4
3 2	11 58.57	+ 2 10.0	2.398	3.358	5.0	21.3
3 12	11 50.56	+ 2 58.6	2.385	3.375	1.6	21.0
3 22	11 42.29	+ 3 47.3	2.402	3.392	2.1	21.1
4 1	11 34.49	+ 4 31.3	2.449	3.408	5.5	21.4
4 11	11 27.82	+ 5 6.9	2.524	3.424	8.6	21.6
4 21	11 22.75	+ 5 31.6	2.624	3.439	11.2	21.8

130769 2000 SA_{314} 3 16.8 179.°60 6.°6/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.06	−19 31.6	1.973	2.702	16.6	19.6
2 21	12 7.10	−19 46.5	1.881	2.703	14.0	19.4
3 2	11 59.89	−19 36.2	1.810	2.704	11.1	19.2
3 12	11 51.09	−18 59.5	1.762	2.705	8.2	19.1
3 22	11 41.66	−17 58.4	1.740	2.705	6.7	19.0
4 1	11 32.66	−16 38.6	1.747	2.704	7.6	19.0
4 11	11 25.11	−15 8.7	1.779	2.702	10.2	19.2
4 21	11 19.71	−13 37.8	1.837	2.700	13.3	19.3

315366 2007 VU_1 3 16.8 150.°02 1.°3/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.95	− 4 58.5	1.977	2.776	14.2	21.8
2 21	12 7.50	− 4 36.3	1.898	2.786	10.9	21.6
3 2	11 59.97	− 3 58.2	1.844	2.795	7.1	21.4
3 12	11 51.08	− 3 7.8	1.816	2.803	3.0	21.1
3 22	11 41.73	− 2 10.3	1.818	2.811	2.2	21.1
4 1	11 32.91	− 1 12.1	1.849	2.818	6.2	21.4
4 11	11 25.53	− 0 19.6	1.907	2.824	10.0	21.6
4 21	11 20.18	+ 0 22.5	1.989	2.829	13.3	21.8

8965 Citrinella 3 16.8 279.°66 0.°1/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.89	− 0 31.4	2.369	3.185	11.6	18.2
2 21	12 2.82	− 0 2.1	2.272	3.172	8.7	18.0
3 2	11 57.06	+ 0 38.2	2.200	3.159	5.4	17.8
3 12	11 50.14	+ 1 26.0	2.155	3.146	1.8	17.5
3 22	11 42.73	+ 2 16.5	2.140	3.132	2.0	17.5
4 1	11 35.61	+ 3 4.7	2.154	3.119	5.8	17.7
4 11	11 29.52	+ 3 45.6	2.195	3.105	9.2	17.9
4 21	11 25.02	+ 4 15.8	2.261	3.092	12.3	18.1

507455 2012 TJ_{139} 3 16.8 139.°13 5.°4/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.88	−19 20.0	2.501	3.223	13.6	21.5
2 21	12 2.76	−19 24.3	2.409	3.226	11.5	21.4
3 2	11 56.98	−19 8.1	2.338	3.229	9.0	21.2
3 12	11 50.09	−18 31.3	2.292	3.233	6.7	21.1
3 22	11 42.79	−17 36.3	2.273	3.236	5.4	21.0
4 1	11 35.84	−16 27.4	2.282	3.239	6.1	21.0
4 11	11 29.95	−15 10.9	2.319	3.242	8.2	21.2
4 21	11 25.64	−13 53.3	2.382	3.244	10.6	21.3

135434 2001 UD_{143} 3 16.8 12.°46 3.°3/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.86	+ 5 42.5	1.271	2.129	17.0	19.9
2 21	12 6.90	+ 6 35.1	1.207	2.130	12.7	19.6
3 2	12 0.03	+ 7 39.6	1.163	2.131	7.7	19.3
3 12	11 51.17	+ 8 46.9	1.144	2.133	3.6	19.1
3 22	11 41.63	+ 9 46.5	1.150	2.135	5.6	19.2
4 1	11 32.89	+10 29.5	1.181	2.137	10.5	19.5
4 11	11 26.22	+10 50.3	1.234	2.140	15.1	19.7
4 21	11 22.36	+10 47.6	1.306	2.143	19.1	20.0

152849 1999 VR_{170} 3 16.8 160.°75 2.°1/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.39	− 6 18.4	1.674	2.476	16.2	21.3
2 21	12 8.97	− 6 3.2	1.595	2.482	12.6	21.0
3 2	12 1.07	− 5 28.6	1.538	2.488	8.4	20.8
3 12	11 51.48	− 4 37.7	1.507	2.492	3.9	20.5
3 22	11 41.28	− 3 36.3	1.504	2.497	2.7	20.5
4 1	11 31.69	− 2 32.0	1.529	2.500	7.0	20.7
4 11	11 23.79	− 1 33.0	1.581	2.503	11.3	21.0
4 21	11 18.30	− 0 45.2	1.655	2.505	15.1	21.2

355604 2008 DO_9 3 16.8 290.°23 8.°5/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.41	−23 54.9	2.449	3.126	14.9	20.5
2 21	12 8.79	−25 15.4	2.339	3.111	13.1	20.4
3 2	12 0.99	−26 17.7	2.249	3.095	11.2	20.2
3 12	11 51.51	−26 58.0	2.184	3.080	9.5	20.1
3 22	11 41.14	−27 14.3	2.145	3.065	8.6	20.0
4 1	11 30.88	−27 7.5	2.133	3.050	8.9	20.0
4 11	11 21.72	−26 41.7	2.146	3.035	10.4	20.0
4 21	11 14.45	−26 3.2	2.184	3.020	12.5	20.1

206316 2003 KL_{28} 3 16.8 226.°53 4.°3/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.05	+ 9 51.7	1.865	2.706	13.2	21.2
2 21	12 7.88	+11 2.1	1.781	2.695	9.9	20.9
3 2	12 0.39	+12 19.2	1.722	2.683	6.4	20.7
3 12	11 51.28	+13 34.7	1.690	2.671	4.3	20.6
3 22	11 41.50	+14 40.2	1.687	2.658	6.1	20.6
4 1	11 32.16	+15 28.7	1.712	2.644	9.7	20.8
4 11	11 24.31	+15 55.8	1.761	2.629	13.3	21.0
4 21	11 18.65	+16 0.8	1.831	2.614	16.6	21.2

213786 2003 FJ_5 3 16.8 281.°97 2.°7/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.00	+ 9 19.7	2.350	3.183	11.1	19.8
2 21	12 5.87	+ 9 43.2	2.260	3.171	8.3	19.6
3 2	11 58.93	+10 9.8	2.196	3.158	5.2	19.3
3 12	11 50.76	+10 34.9	2.160	3.146	2.8	19.2
3 22	11 42.11	+10 54.0	2.154	3.133	4.1	19.2
4 1	11 33.82	+11 2.9	2.176	3.120	7.2	19.4
4 11	11 26.68	+10 59.4	2.225	3.108	10.4	19.6
4 21	11 21.26	+10 42.5	2.297	3.095	13.2	19.7

212308 2005 OD_7 3 16.8 225.°08 0.°3/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.21	+ 1 14.0	2.535	3.349	11.0	20.8
2 21	12 4.38	+ 1 29.3	2.445	3.345	8.2	20.6
3 2	11 57.94	+ 1 52.6	2.381	3.341	5.0	20.4
3 12	11 50.43	+ 2 20.8	2.346	3.336	1.6	20.2
3 22	11 42.51	+ 2 50.2	2.340	3.332	2.0	20.2
4 1	11 34.93	+ 3 16.6	2.365	3.327	5.5	20.4
4 11	11 28.38	+ 3 36.4	2.416	3.322	8.7	20.6
4 21	11 23.36	+ 3 47.3	2.493	3.318	11.5	20.8

497885 2006 UX_{261} 3 16.8 239.°72 0.°5/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.87	− 2 43.5	2.014	2.824	13.6	22.6
2 21	12 6.14	− 2 12.1	1.914	2.810	10.4	22.3
3 2	11 59.30	− 1 25.6	1.839	2.795	6.6	22.1
3 12	11 50.94	− 0 27.6	1.790	2.780	2.4	21.7
3 22	11 41.92	+ 0 36.4	1.771	2.764	2.2	21.7
4 1	11 33.21	+ 1 39.5	1.781	2.748	6.6	21.9
4 11	11 25.77	+ 2 35.2	1.817	2.731	10.6	22.2
4 21	11 20.30	+ 3 18.5	1.877	2.713	14.2	22.3

222300 2000 SD_{267} 3 16.8 180.°70 0.°2/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.48	− 0 42.1	1.989	2.806	13.5	20.6
2 21	12 6.46	− 0 26.9	1.907	2.806	10.2	20.4
3 2	11 59.39	+ 0 0.1	1.848	2.806	6.4	20.2
3 12	11 50.94	+ 0 35.1	1.817	2.807	2.2	19.9
3 22	11 41.97	+ 1 13.4	1.814	2.806	2.2	19.9
4 1	11 33.48	+ 1 49.5	1.840	2.806	6.4	20.2
4 11	11 26.35	+ 2 18.3	1.892	2.805	10.3	20.4
4 21	11 21.19	+ 2 36.4	1.968	2.805	13.6	20.6

522424 2016 CE_{314} 3 16.8 307.°40 2.°2/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.90	+ 4 39.5	1.668	2.511	14.4	21.3
2 21	12 5.72	+ 5 15.4	1.584	2.500	10.8	21.1
3 2	11 59.16	+ 6 1.5	1.523	2.489	6.6	20.8
3 12	11 50.91	+ 6 51.8	1.489	2.478	2.6	20.5
3 22	11 41.98	+ 7 38.9	1.481	2.468	4.1	20.6
4 1	11 33.53	+ 8 16.1	1.500	2.458	8.5	20.8
4 11	11 26.64	+ 8 37.8	1.544	2.448	12.8	21.0
4 21	11 22.02	+ 8 41.9	1.609	2.439	16.4	21.3

18581 Batllo 3 16.8 2.°05 4.°1/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.38	− 8 30.5	1.441	2.248	18.1	17.3
2 21	12 7.92	− 8 55.4	1.362	2.247	14.4	17.0
3 2	12 0.68	− 8 58.9	1.303	2.247	10.1	16.8
3 12	11 51.44	− 8 41.9	1.269	2.247	5.8	16.5
3 22	11 41.41	− 8 7.8	1.259	2.248	4.3	16.4
4 1	11 31.98	− 7 23.4	1.276	2.248	7.8	16.6
4 11	11 24.42	− 6 37.4	1.316	2.249	12.2	16.9
4 21	11 19.55	− 5 57.4	1.378	2.250	16.3	17.1

422257 2014 SJ_{135} 3 16.8 82.°36 5.°8/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.73	+13 23.1	1.705	2.558	13.6	21.0
2 21	12 6.04	+14 50.1	1.655	2.572	10.2	20.8
3 2	11 59.13	+16 18.3	1.629	2.587	7.1	20.6
3 12	11 50.83	+17 38.0	1.629	2.601	5.8	20.6
3 22	11 42.17	+18 40.6	1.657	2.615	7.5	20.7
4 1	11 34.24	+19 20.4	1.711	2.629	10.7	20.9
4 11	11 27.97	+19 35.2	1.788	2.643	13.8	21.2
4 21	11 23.91	+19 26.5	1.885	2.657	16.5	21.4

151785 2003 FZ_3 3 16.8 104.°39 6.°8/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.69	+20 2.7	1.844	2.678	13.6	19.1
2 21	12 13.37	+20 31.7	1.781	2.682	10.7	18.9
3 2	12 3.60	+20 54.0	1.743	2.687	8.0	18.7
3 12	11 52.29	+21 1.9	1.731	2.692	6.8	18.6
3 22	11 40.61	+20 50.1	1.748	2.696	8.1	18.7
4 1	11 29.80	+20 16.3	1.792	2.701	10.8	18.9
4 11	11 20.88	+19 21.6	1.861	2.705	13.8	19.1
4 21	11 14.47	+18 9.5	1.950	2.710	16.5	19.3

374527 2006 AJ_{47} 3 16.8 193.°83 6.°1/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.85	+18 46.0	2.325	3.166	10.9	21.6
2 21	12 5.78	+20 8.8	2.259	3.164	8.5	21.5
3 2	11 58.88	+21 29.3	2.219	3.161	6.6	21.3
3 12	11 50.76	+22 39.9	2.207	3.158	6.2	21.3
3 22	11 42.22	+23 34.1	2.223	3.155	7.6	21.4
4 1	11 34.14	+24 7.3	2.266	3.151	10.0	21.5
4 11	11 27.30	+24 18.2	2.333	3.146	12.4	21.7
4 21	11 22.25	+24 7.7	2.421	3.141	14.6	21.8

371174 2005 YC_{55} 3 16.8 115.°09 1.°2/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.14	+ 1 56.6	2.114	2.937	12.5	21.7
2 21	12 5.21	+ 2 45.4	2.047	2.953	9.3	21.5
3 2	11 58.48	+ 3 44.0	2.006	2.968	5.6	21.3
3 12	11 50.61	+ 4 47.2	1.992	2.983	1.8	21.1
3 22	11 42.41	+ 5 48.8	2.008	2.997	2.9	21.2
4 1	11 34.75	+ 6 42.8	2.053	3.011	6.6	21.5
4 11	11 28.40	+ 7 24.6	2.125	3.024	10.0	21.7
4 21	11 23.84	+ 7 51.9	2.220	3.037	12.9	21.9

184715 2005 SD_{153} 3 16.8 221.°13 1.°5/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.02	+ 3 59.9	2.260	3.082	11.9	21.8
2 21	12 6.72	+ 4 35.4	2.167	3.072	8.9	21.6
3 2	11 59.52	+ 5 19.2	2.100	3.062	5.4	21.4
3 12	11 51.00	+ 6 6.6	2.061	3.050	2.0	21.1
3 22	11 41.95	+ 6 52.2	2.052	3.039	3.1	21.2
4 1	11 33.24	+ 7 30.9	2.072	3.026	6.8	21.4
4 11	11 25.72	+ 7 58.3	2.120	3.013	10.3	21.6
4 21	11 19.99	+ 8 12.2	2.191	3.000	13.4	21.8

246027 2006 UF_{56} 3 16.8 0.°32 3.°1/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.30	− 9 47.1	2.116	2.901	13.9	20.3
2 21	12 3.30	− 9 44.8	2.028	2.900	11.0	20.1
3 2	11 57.44	− 9 25.0	1.963	2.900	7.8	19.9
3 12	11 50.32	− 8 49.3	1.924	2.900	4.5	19.7
3 22	11 42.71	− 8 1.3	1.912	2.900	3.2	19.6
4 1	11 35.49	− 7 6.4	1.929	2.901	5.7	19.8
4 11	11 29.48	− 6 10.9	1.973	2.901	9.1	20.0
4 21	11 25.24	− 5 20.5	2.041	2.902	12.2	20.2

498827 2008 VC_{39} 3 16.8 164.°02 0.°2/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.17	− 1 24.9	2.280	3.091	12.1	22.2
2 21	12 4.49	− 0 59.1	2.197	3.093	9.2	22.0
3 2	11 58.07	− 0 21.9	2.139	3.096	5.7	21.8
3 12	11 50.51	+ 0 23.0	2.108	3.098	2.0	21.5
3 22	11 42.53	+ 1 11.1	2.107	3.100	1.9	21.5
4 1	11 34.96	+ 1 57.0	2.136	3.101	5.7	21.8
4 11	11 28.54	+ 2 36.1	2.191	3.103	9.2	22.0
4 21	11 23.81	+ 3 4.8	2.271	3.104	12.2	22.2

383346 2006 QE_{110} 3 16.8 252.°44 0.°6/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.34	− 2 52.6	2.279	3.089	12.2	21.9
2 21	12 3.19	− 2 26.2	2.190	3.085	9.3	21.7
3 2	11 57.31	− 1 47.1	2.126	3.081	5.9	21.4
3 12	11 50.27	− 0 58.6	2.089	3.078	2.2	21.2
3 22	11 42.78	− 0 5.4	2.081	3.074	1.9	21.2
4 1	11 35.65	+ 0 47.0	2.102	3.070	5.6	21.4
4 11	11 29.62	+ 1 33.5	2.150	3.066	9.1	21.6
4 21	11 25.24	+ 2 10.0	2.223	3.062	12.2	21.8

94991 2001 YC_{122} 3 16.8 339.°90 3.°7/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.69	+ 7 56.5	1.169	2.032	17.8	18.2
2 21	12 8.67	+ 8 17.5	1.098	2.023	13.4	17.9
3 2	12 1.38	+ 8 46.2	1.047	2.015	8.4	17.6
3 12	11 51.74	+ 9 14.5	1.019	2.008	4.0	17.3
3 22	11 41.18	+ 9 33.6	1.016	2.001	5.9	17.4
4 1	11 31.39	+ 9 36.2	1.036	1.996	11.1	17.7
4 11	11 23.88	+ 9 18.2	1.078	1.991	16.2	17.9
4 21	11 19.52	+ 8 39.6	1.137	1.988	20.5	18.2

309136 2006 XQ_{38} 3 16.8 78.°20 8.°7/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.33	+21 44.6	1.679	2.531	13.9	20.3
2 21	12 7.31	+23 29.0	1.642	2.548	11.1	20.2
3 2	11 59.93	+25 5.4	1.629	2.565	9.1	20.1
3 12	11 51.10	+26 23.0	1.641	2.582	8.9	20.1
3 22	11 41.97	+27 13.7	1.679	2.599	10.5	20.3
4 1	11 33.70	+27 33.9	1.742	2.616	13.0	20.5
4 11	11 27.25	+27 24.1	1.825	2.633	15.5	20.7
4 21	11 23.15	+26 48.2	1.926	2.650	17.8	20.9

389777 2011 SQ_{274} 3 16.8 176.°67 0.°1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.53	− 2 23.4	2.767	3.572	10.4	21.4
2 21	12 1.52	− 1 33.6	2.679	3.574	7.8	21.3
3 2	11 56.14	− 0 32.6	2.618	3.575	4.9	21.1
3 12	11 49.86	+ 0 35.9	2.585	3.575	1.6	20.8
3 22	11 43.25	+ 1 47.1	2.583	3.576	1.7	20.8
4 1	11 36.95	+ 2 56.0	2.612	3.576	4.9	21.1
4 11	11 31.54	+ 3 57.7	2.669	3.576	7.9	21.3
4 21	11 27.46	+ 4 48.9	2.751	3.575	10.5	21.4

496058 2009 DE_{107} 3 16.8 112.°99 2.°1/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.74	+ 2 43.3	1.621	2.460	15.0	21.3
2 21	12 6.20	+ 3 50.5	1.556	2.470	11.1	21.1
3 2	11 59.34	+ 5 10.7	1.514	2.479	6.6	20.9
3 12	11 50.96	+ 6 36.2	1.499	2.489	2.5	20.6
3 22	11 42.10	+ 7 57.6	1.512	2.498	4.1	20.8
4 1	11 33.91	+ 9 6.6	1.552	2.507	8.5	21.0
4 11	11 27.40	+ 9 56.9	1.617	2.516	12.6	21.3
4 21	11 23.16	+10 26.3	1.703	2.524	16.0	21.5

72402 2001 CV_{24} 3 16.8 351.°91 1.°0/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.82	+ 1 38.7	1.943	2.772	13.2	20.0
2 21	12 4.52	+ 2 15.8	1.864	2.772	9.9	19.8
3 2	11 58.23	+ 3 4.1	1.809	2.772	6.0	19.6
3 12	11 50.60	+ 3 58.5	1.781	2.772	1.9	19.3
3 22	11 42.48	+ 4 52.9	1.782	2.772	2.9	19.4
4 1	11 34.84	+ 5 41.0	1.810	2.772	7.0	19.6
4 11	11 28.53	+ 6 17.6	1.865	2.772	10.8	19.8
4 21	11 24.15	+ 6 39.7	1.942	2.772	14.0	20.1

56215 1999 *HH* 3 16.8 260.°29 5.°7/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.19	+16 56.4	2.102	2.939	12.1	18.7
2 21	12 9.35	+17 46.6	2.012	2.919	9.4	18.5
3 2	12 1.28	+18 35.6	1.948	2.898	6.8	18.3
3 12	11 51.64	+19 16.0	1.912	2.878	5.7	18.2
3 22	11 41.34	+19 41.3	1.904	2.856	7.2	18.2
4 1	11 31.46	+19 46.7	1.924	2.834	10.1	18.3
4 11	11 22.97	+19 30.7	1.968	2.812	13.2	18.5
4 21	11 16.58	+18 54.3	2.034	2.790	16.0	18.6

157798 1995 OZ_{12} 3 16.8 63.°23 4.°0/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.47	+ 7 7.0	1.684	2.536	13.9	19.4
2 21	12 3.63	+ 8 50.2	1.631	2.552	10.1	19.3
3 2	11 57.68	+10 41.6	1.603	2.569	6.3	19.1
3 12	11 50.40	+12 31.3	1.603	2.586	4.0	19.0
3 22	11 42.76	+14 9.0	1.630	2.603	6.0	19.1
4 1	11 35.79	+15 26.6	1.684	2.620	9.6	19.4
4 11	11 30.36	+16 19.7	1.763	2.637	13.0	19.6
4 21	11 27.01	+16 47.7	1.862	2.654	16.0	19.8

322294 2011 FU_{56} 3 16.8 304.°57 2.°8/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.64	+ 6 36.8	1.909	2.751	12.9	20.8
2 21	12 4.46	+ 7 29.3	1.831	2.747	9.5	20.5
3 2	11 58.23	+ 8 29.7	1.778	2.743	5.9	20.3
3 12	11 50.62	+ 9 31.3	1.751	2.739	3.0	20.1
3 22	11 42.50	+10 27.2	1.753	2.735	4.5	20.2
4 1	11 34.85	+11 11.1	1.783	2.731	8.2	20.4
4 11	11 28.56	+11 38.4	1.837	2.727	11.8	20.6
4 21	11 24.24	+11 47.6	1.913	2.724	15.0	20.8

387283 2012 UM_{151} 3 16.8 266.°64 0.°3/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.40	− 0 13.0	2.283	3.102	11.9	21.3
2 21	12 3.27	+ 0 21.1	2.189	3.091	8.9	21.1
3 2	11 57.41	+ 1 6.6	2.121	3.081	5.5	20.8
3 12	11 50.34	+ 1 59.5	2.079	3.070	1.8	20.5
3 22	11 42.78	+ 2 54.8	2.067	3.059	2.2	20.6
4 1	11 35.54	+ 3 46.9	2.085	3.048	6.0	20.8
4 11	11 29.39	+ 4 30.8	2.129	3.037	9.5	21.0
4 21	11 24.87	+ 5 2.9	2.197	3.026	12.6	21.2

39271 2001 AM_{20} 3 16.8 231.°67 5.°9/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.71	+17 24.1	2.266	3.108	11.1	19.3
2 21	12 5.81	+18 43.5	2.189	3.097	8.6	19.1
3 2	11 58.99	+20 2.3	2.138	3.085	6.5	19.0
3 12	11 50.86	+21 12.8	2.115	3.073	5.9	18.9
3 22	11 42.23	+22 8.1	2.121	3.061	7.4	19.0
4 1	11 33.99	+22 43.2	2.153	3.048	10.0	19.1
4 11	11 26.99	+22 55.9	2.210	3.034	12.6	19.3
4 21	11 21.81	+22 46.9	2.287	3.020	15.0	19.4

473852 2016 ET_{130} 3 16.8 155.°69 1.°0/17.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.85	− 3 51.9	1.982	2.789	13.9	22.1
2 21	12 6.00	− 3 27.4	1.901	2.794	10.6	21.9
3 2	11 59.13	− 2 47.9	1.844	2.798	6.8	21.7
3 12	11 50.91	− 1 57.0	1.814	2.802	2.7	21.4
3 22	11 42.20	− 1 0.1	1.813	2.806	2.1	21.4
4 1	11 33.99	− 0 3.5	1.841	2.809	6.2	21.6
4 11	11 27.13	+ 0 46.6	1.895	2.812	10.0	21.9
4 21	11 22.24	+ 1 25.7	1.973	2.815	13.4	22.1

269596 2010 AY_{96} 3 16.8 157.°43 6.°4/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.42	+15 28.7	2.045	2.895	11.8	20.4
2 21	12 4.20	+17 42.6	1.986	2.899	9.0	20.2
3 2	11 58.03	+19 58.0	1.954	2.903	6.8	20.1
3 12	11 50.55	+22 4.2	1.951	2.907	6.5	20.1
3 22	11 42.60	+23 51.7	1.977	2.910	8.4	20.2
4 1	11 35.14	+25 13.6	2.030	2.913	11.0	20.3
4 11	11 29.00	+26 7.2	2.106	2.915	13.7	20.5
4 21	11 24.76	+26 33.3	2.201	2.918	16.0	20.7

269010 2007 EU_{137} 3 16.8 340.°09 3.°6/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.76	+ 9 17.1	1.558	2.408	14.9	19.7
2 21	12 7.97	+ 9 41.0	1.483	2.402	11.1	19.5
3 2	12 0.60	+10 9.6	1.431	2.396	7.0	19.2
3 12	11 51.44	+10 35.9	1.404	2.391	3.8	19.0
3 22	11 41.64	+10 53.1	1.404	2.386	5.4	19.1
4 1	11 32.46	+10 55.8	1.431	2.382	9.5	19.3
4 11	11 25.07	+10 41.1	1.481	2.378	13.6	19.5
4 21	11 20.17	+10 9.0	1.551	2.375	17.2	19.7

348967 2006 UR_{73} 3 16.8 190.°75 1.°0/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.23	+ 3 50.4	2.584	3.403	10.7	20.9
2 21	12 5.10	+ 4 8.7	2.499	3.403	7.9	20.7
3 2	11 58.40	+ 4 33.2	2.440	3.402	4.8	20.5
3 12	11 50.64	+ 5 0.3	2.410	3.400	1.6	20.3
3 22	11 42.52	+ 5 26.2	2.410	3.399	2.4	20.3
4 1	11 34.76	+ 5 47.2	2.440	3.397	5.7	20.5
4 11	11 28.03	+ 6 0.1	2.497	3.395	8.8	20.7
4 21	11 22.84	+ 6 3.2	2.579	3.393	11.4	20.9

105378 2000 QF_{130} 3 16.8 88.°05 1.°2/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.55	+ 2 36.7	1.601	2.430	15.6	19.1
2 21	12 10.37	+ 3 3.8	1.547	2.455	11.6	18.9
3 2	12 1.79	+ 3 41.3	1.517	2.480	7.0	18.7
3 12	11 51.75	+ 4 23.4	1.513	2.504	2.3	18.5
3 22	11 41.41	+ 5 3.3	1.538	2.528	3.3	18.6
4 1	11 31.98	+ 5 34.9	1.590	2.552	7.8	18.9
4 11	11 24.43	+ 5 53.7	1.668	2.575	11.8	19.2
4 21	11 19.33	+ 5 57.8	1.768	2.597	15.2	19.5

337837 2001 VS_{71} 3 16.8 156.°57 5.°5/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.23	−20 26.9	2.645	3.355	13.2	20.4
2 21	12 2.99	−20 35.1	2.551	3.358	11.2	20.3
3 2	11 57.16	−20 23.6	2.478	3.361	9.0	20.1
3 12	11 50.26	−19 51.9	2.430	3.363	6.8	20.0
3 22	11 42.94	−19 2.0	2.409	3.366	5.6	19.9
4 1	11 35.95	−17 57.8	2.416	3.368	6.1	19.9
4 11	11 29.98	−16 45.0	2.451	3.370	8.0	20.0
4 21	11 25.52	−15 30.0	2.512	3.372	10.2	20.2

340684 2006 RE_{94} 3 16.8 97.°26 1.°9/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.41	− 7 51.4	2.396	3.185	12.3	20.8
2 21	12 2.38	− 7 25.1	2.314	3.192	9.6	20.6
3 2	11 56.77	− 6 43.5	2.255	3.199	6.5	20.4
3 12	11 50.13	− 5 49.3	2.224	3.206	3.3	20.2
3 22	11 43.12	− 4 46.9	2.222	3.213	2.2	20.1
4 1	11 36.51	− 3 41.6	2.249	3.220	5.0	20.3
4 11	11 30.95	− 2 39.4	2.304	3.227	8.2	20.5
4 21	11 26.95	− 1 44.8	2.384	3.234	11.1	20.7

158212 2001 SU_{83} 3 16.8 98.°21 0.°4/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.88	− 2 12.0	1.951	2.767	13.7	20.7
2 21	12 5.13	− 1 2.8	1.890	2.790	10.2	20.6
3 2	11 58.49	+ 0 21.2	1.853	2.813	6.2	20.4
3 12	11 50.68	+ 1 53.6	1.845	2.835	1.9	20.1
3 22	11 42.57	+ 3 26.5	1.866	2.857	2.5	20.2
4 1	11 35.09	+ 4 52.3	1.916	2.879	6.6	20.5
4 11	11 29.00	+ 6 4.4	1.994	2.899	10.2	20.8
4 21	11 24.82	+ 6 59.3	2.094	2.920	13.3	21.0

47091 1999 AP_{9} 3 16.8 261.°96 0.°2/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.82	− 1 42.3	2.156	2.972	12.6	18.6
2 21	12 3.65	− 1 12.7	2.069	2.968	9.5	18.4
3 2	11 57.67	− 0 30.4	2.006	2.964	6.0	18.1
3 12	11 50.45	+ 0 20.8	1.971	2.961	2.0	17.9
3 22	11 42.76	+ 1 15.7	1.964	2.957	2.0	17.9
4 1	11 35.46	+ 2 8.4	1.987	2.954	6.0	18.1
4 11	11 29.32	+ 2 53.7	2.036	2.950	9.6	18.3
4 21	11 24.93	+ 3 27.6	2.109	2.946	12.8	18.5

498127 2007 TE_{26} 3 16.8 187.°53 0.°1/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.82	+ 0 4.9	2.764	3.570	10.4	23.3
2 21	12 4.73	+ 0 27.7	2.675	3.569	7.8	23.2
3 2	11 58.15	+ 0 59.0	2.611	3.568	4.8	23.0
3 12	11 50.58	+ 1 35.7	2.576	3.566	1.6	22.7
3 22	11 42.65	+ 2 14.0	2.572	3.564	1.8	22.7
4 1	11 35.03	+ 2 50.0	2.599	3.561	5.1	23.0
4 11	11 28.37	+ 3 19.9	2.654	3.558	8.1	23.1
4 21	11 23.13	+ 3 41.2	2.734	3.554	10.7	23.3

109341 2001 QN_{148} 3 16.8 61.°37 7.°5/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.58	+16 38.6	1.584	2.444	14.1	19.1
2 21	12 5.42	+18 28.2	1.538	2.456	10.9	19.0
3 2	11 58.89	+20 16.1	1.516	2.468	8.2	18.8
3 12	11 50.85	+21 50.7	1.521	2.480	7.6	18.8
3 22	11 42.40	+23 2.1	1.551	2.493	9.5	19.0
4 1	11 34.72	+23 44.4	1.605	2.505	12.4	19.2
4 11	11 28.80	+23 56.5	1.682	2.518	15.4	19.4
4 21	11 25.21	+23 41.0	1.776	2.530	18.0	19.6

319484 2006 QU_{18} 3 16.8 264.°57 1.°3/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.31	+ 0 57.8	1.795	2.624	14.2	21.8
2 21	12 6.06	+ 1 52.3	1.694	2.603	10.7	21.5
3 2	11 59.46	+ 3 2.4	1.618	2.581	6.6	21.2
3 12	11 51.13	+ 4 22.7	1.568	2.558	2.2	20.9
3 22	11 41.97	+ 5 45.2	1.546	2.536	3.4	20.9
4 1	11 33.11	+ 7 1.1	1.553	2.512	8.1	21.1
4 11	11 25.63	+ 8 3.0	1.585	2.488	12.5	21.3
4 21	11 20.32	+ 8 46.0	1.639	2.464	16.4	21.5

138591 2000 QB_{156} 3 16.8 214.°71 3.°4/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.96	−12 11.9	2.653	3.411	12.1	20.5
2 21	12 3.51	−12 12.5	2.554	3.406	9.7	20.3
3 2	11 57.48	−11 57.6	2.478	3.401	7.1	20.2
3 12	11 50.38	−11 28.0	2.429	3.396	4.5	20.0
3 22	11 42.84	−10 46.4	2.408	3.390	3.4	19.9
4 1	11 35.58	− 9 56.6	2.418	3.385	5.1	20.0
4 11	11 29.28	− 9 3.7	2.455	3.378	7.8	20.1
4 21	11 24.45	− 8 12.8	2.518	3.372	10.4	20.3

35811 1999 JS_{45} 3 16.8 26.°72 1.°3/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.57	+ 0 57.4	1.310	2.158	17.2	17.9
2 21	12 5.87	+ 1 43.5	1.244	2.162	12.9	17.6
3 2	11 59.42	+ 2 46.8	1.200	2.166	7.8	17.3
3 12	11 51.09	+ 3 59.5	1.179	2.170	2.5	17.0
3 22	11 42.12	+ 5 12.0	1.184	2.175	3.8	17.1
4 1	11 33.90	+ 6 14.3	1.215	2.180	9.1	17.4
4 11	11 27.63	+ 6 58.9	1.268	2.186	13.9	17.7
4 21	11 24.04	+ 7 22.1	1.342	2.192	18.0	18.0

170372 2003 SA_{244} 3 16.8 116.°57 2.°9/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.61	+ 6 33.8	1.603	2.445	14.9	20.2
2 21	12 8.46	+ 7 13.7	1.534	2.450	11.1	20.0
3 2	12 0.83	+ 8 1.5	1.489	2.454	6.8	19.7
3 12	11 51.54	+ 8 50.1	1.470	2.458	3.2	19.5
3 22	11 41.72	+ 9 32.1	1.479	2.463	4.7	19.6
4 1	11 32.58	+10 0.9	1.514	2.467	9.0	19.9
4 11	11 25.22	+10 12.4	1.574	2.471	13.0	20.1
4 21	11 20.27	+10 5.8	1.655	2.475	16.5	20.3

497846 2006 UA_{79} 3 16.8 172.°46 1.°4/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.60	+ 5 7.9	2.855	3.674	9.7	22.3
2 21	12 4.49	+ 5 34.1	2.772	3.676	7.2	22.2
3 2	11 57.97	+ 6 5.3	2.717	3.678	4.4	22.0
3 12	11 50.54	+ 6 38.0	2.691	3.680	1.7	21.8
3 22	11 42.79	+ 7 8.4	2.696	3.682	2.6	21.9
4 1	11 35.38	+ 7 33.0	2.730	3.683	5.5	22.1
4 11	11 28.92	+ 7 49.0	2.793	3.683	8.2	22.2
4 21	11 23.83	+ 7 55.0	2.881	3.684	10.6	22.4

469273 2016 JQ_{34} 3 16.8 285.°00 8.°7/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.80	+22 46.9	1.838	2.685	13.1	20.3
2 21	12 7.97	+24 13.9	1.760	2.662	10.7	20.1
3 2	12 0.64	+25 36.1	1.707	2.640	9.0	20.0
3 12	11 51.53	+26 43.3	1.678	2.618	8.9	19.9
3 22	11 41.68	+27 26.5	1.676	2.595	10.6	20.0
4 1	11 32.29	+27 40.1	1.698	2.572	13.3	20.1
4 11	11 24.51	+27 23.1	1.741	2.549	16.2	20.2
4 21	11 19.09	+26 38.3	1.803	2.526	18.8	20.4

82667 2001 PM_{20} 3 16.8 137.°01 1.°7/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.73	− 2 26.3	1.923	2.720	14.6	19.3
2 21	12 12.72	− 2 58.3	1.842	2.727	11.3	19.1
3 2	12 3.35	− 3 19.6	1.784	2.734	7.4	18.9
3 12	11 52.37	− 3 31.5	1.754	2.740	3.2	18.6
3 22	11 40.83	− 3 36.4	1.754	2.746	2.5	18.6
4 1	11 29.86	− 3 37.8	1.784	2.751	6.5	18.8
4 11	11 20.51	− 3 39.8	1.841	2.757	10.4	19.1
4 21	11 13.46	− 3 45.8	1.923	2.762	13.8	19.3

213233 2000 WL_{112} 3 16.8 63.°51 2.°8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.66	+ 6 24.3	1.375	2.223	16.6	20.1
2 21	12 10.13	+ 6 52.8	1.322	2.239	12.3	19.9
3 2	12 1.86	+ 7 29.1	1.291	2.256	7.5	19.7
3 12	11 51.87	+ 8 5.8	1.285	2.273	3.2	19.4
3 22	11 41.46	+ 8 35.3	1.305	2.291	4.8	19.6
4 1	11 32.04	+ 8 51.3	1.351	2.308	9.3	19.9
4 11	11 24.73	+ 8 50.6	1.421	2.326	13.6	20.2
4 21	11 20.14	+ 8 32.7	1.512	2.343	17.2	20.5

159860 2004 PS_{13} 3 16.8 236.°29 2.°5/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.25	+ 4 6.5	1.644	2.482	14.8	21.0
2 21	12 7.61	+ 5 4.6	1.558	2.472	11.1	20.7
3 2	12 0.44	+ 6 15.6	1.496	2.461	6.8	20.4
3 12	11 51.48	+ 7 32.2	1.461	2.450	2.8	20.2
3 22	11 41.76	+ 8 45.6	1.453	2.438	4.5	20.2
4 1	11 32.51	+ 9 47.1	1.473	2.426	9.1	20.5
4 11	11 24.87	+10 30.2	1.517	2.414	13.4	20.7
4 21	11 19.62	+10 52.1	1.582	2.401	17.2	20.9

34010 Tassiloschwarz 3 16.8 173.°86 1.°6/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.23	− 5 21.6	1.854	2.655	14.9	19.4
2 21	12 7.98	− 5 2.6	1.771	2.658	11.5	19.2
3 2	12 0.48	− 4 26.4	1.710	2.661	7.6	18.9
3 12	11 51.45	− 3 36.3	1.676	2.662	3.3	18.7
3 22	11 41.84	− 2 37.6	1.671	2.664	2.3	18.6
4 1	11 32.74	− 1 37.2	1.694	2.664	6.5	18.9
4 11	11 25.13	− 0 42.2	1.744	2.664	10.6	19.1
4 21	11 19.68	+ 0 2.1	1.818	2.663	14.2	19.3

243792 2000 SM_{81} 3 16.8 159.°16 2.°5/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.90	+ 5 4.0	1.784	2.619	14.0	20.8
2 21	12 7.72	+ 6 0.4	1.713	2.625	10.3	20.6
3 2	12 0.30	+ 7 6.4	1.666	2.630	6.3	20.4
3 12	11 51.38	+ 8 14.9	1.646	2.634	2.8	20.2
3 22	11 41.95	+ 9 18.1	1.654	2.638	4.3	20.3
4 1	11 33.13	+10 9.0	1.691	2.642	8.4	20.5
4 11	11 25.87	+10 42.9	1.753	2.644	12.2	20.8
4 21	11 20.82	+10 57.8	1.836	2.647	15.5	21.0

377440 2004 TK_{295} 3 16.8 168.°93 2.°5/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.32	− 9 31.2	2.469	3.242	12.4	21.9
2 21	12 4.57	− 9 13.0	2.380	3.246	9.8	21.7
3 2	11 58.15	− 8 39.0	2.314	3.250	6.8	21.5
3 12	11 50.65	− 7 51.2	2.276	3.253	3.8	21.3
3 22	11 42.73	− 6 53.4	2.267	3.255	2.6	21.2
4 1	11 35.18	− 5 50.6	2.288	3.257	5.1	21.4
4 11	11 28.70	− 4 48.7	2.337	3.259	8.2	21.6
4 21	11 23.80	− 3 52.6	2.412	3.260	11.0	21.8

245061 2004 FN_{148} 3 16.8 295.°76 8.°9/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.37	+27 51.2	2.162	2.997	11.9	20.2
2 21	12 6.52	+29 12.6	2.098	2.983	10.1	20.0
3 2	11 59.54	+30 24.6	2.057	2.969	9.0	19.9
3 12	11 51.13	+31 18.6	2.043	2.954	9.2	19.9
3 22	11 42.22	+31 48.2	2.053	2.940	10.6	20.0
4 1	11 33.82	+31 49.8	2.088	2.926	12.6	20.1
4 11	11 26.86	+31 23.7	2.144	2.913	14.8	20.2
4 21	11 21.96	+30 32.9	2.217	2.899	16.8	20.3

131267 2001 FX_{45} 3 16.8 273.°99 1.°3/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.04	+ 4 15.6	2.079	2.906	12.6	19.7
2 21	12 6.96	+ 4 30.9	1.987	2.894	9.4	19.4
3 2	11 59.82	+ 4 53.6	1.919	2.881	5.8	19.2
3 12	11 51.24	+ 5 19.5	1.879	2.869	2.0	18.9
3 22	11 42.07	+ 5 43.9	1.867	2.856	3.0	18.9
4 1	11 33.28	+ 6 2.0	1.885	2.844	7.0	19.2
4 11	11 25.76	+ 6 10.0	1.928	2.831	10.7	19.4
4 21	11 20.17	+ 6 5.9	1.995	2.818	14.0	19.5

101716 1999 DJ_6 3 16.8 177.°39 3.°6/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.86	− 9 41.9	2.092	2.866	14.4	18.7
2 21	12 8.29	−10 1.8	2.003	2.867	11.5	18.5
3 2	12 0.62	−10 5.4	1.936	2.868	8.2	18.3
3 12	11 51.50	− 9 53.3	1.896	2.869	4.9	18.1
3 22	11 41.80	− 9 28.0	1.884	2.869	3.7	18.0
4 1	11 32.51	− 8 53.9	1.901	2.869	6.1	18.2
4 11	11 24.56	− 8 16.7	1.946	2.869	9.5	18.4
4 21	11 18.60	− 7 42.0	2.015	2.868	12.7	18.6

433634 2014 AA_2 3 16.8 52.°85 5.°2/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.23	+14 39.5	2.089	2.938	11.7	21.3
2 21	12 3.95	+15 51.7	2.029	2.944	8.8	21.1
3 2	11 57.84	+17 4.0	1.994	2.950	6.2	20.9
3 12	11 50.54	+18 9.0	1.988	2.956	5.2	20.9
3 22	11 42.88	+18 59.9	2.008	2.963	6.7	21.0
4 1	11 35.75	+19 32.1	2.056	2.969	9.4	21.2
4 11	11 29.93	+19 43.5	2.128	2.976	12.2	21.3
4 21	11 25.92	+19 34.7	2.220	2.983	14.6	21.5

248705 2006 MY_{14} 3 16.8 159.°99 2.°9/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.28	−11 18.4	2.351	3.114	13.3	21.3
2 21	12 6.08	−10 54.6	2.264	3.123	10.6	21.1
3 2	11 59.11	−10 12.6	2.200	3.131	7.4	20.9
3 12	11 50.97	− 9 14.5	2.164	3.138	4.3	20.7
3 22	11 42.41	− 8 4.5	2.157	3.144	3.0	20.7
4 1	11 34.28	− 6 48.5	2.181	3.150	5.3	20.8
4 11	11 27.33	− 5 33.2	2.233	3.154	8.5	21.0
4 21	11 22.10	− 4 24.4	2.310	3.158	11.5	21.2

105004 2000 KZ_5 3 16.8 177.°26 4.°7/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.15	+14 33.9	2.485	3.321	10.5	19.6
2 21	12 5.90	+15 51.5	2.415	3.323	7.9	19.5
3 2	11 58.96	+17 9.9	2.373	3.325	5.6	19.3
3 12	11 50.91	+18 22.1	2.360	3.327	4.7	19.3
3 22	11 42.48	+19 22.1	2.377	3.327	6.1	19.4
4 1	11 34.48	+20 5.3	2.422	3.327	8.6	19.5
4 11	11 27.61	+20 29.3	2.493	3.326	11.1	19.7
4 21	11 22.40	+20 34.3	2.585	3.324	13.3	19.8

499161 2009 SR_{50} 3 16.8 232.°10 0.°2/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.10	− 1 10.3	2.265	3.076	12.2	23.5
2 21	12 5.40	− 0 25.4	2.165	3.062	9.3	23.3
3 2	11 58.81	+ 0 32.9	2.089	3.047	5.7	23.1
3 12	11 50.91	+ 1 40.2	2.041	3.032	1.9	22.8
3 22	11 42.43	+ 2 51.1	2.024	3.016	2.2	22.8
4 1	11 34.24	+ 3 59.0	2.036	2.999	6.2	23.0
4 11	11 27.15	+ 4 58.1	2.076	2.981	9.9	23.2
4 21	11 21.80	+ 5 44.1	2.140	2.963	13.2	23.4

63157 2000 YL_2 3 16.8 225.°34 5.°6/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.63	+14 48.7	1.995	2.833	12.6	18.3
2 21	12 9.79	+15 58.1	1.911	2.820	9.6	18.1
3 2	12 1.63	+17 9.1	1.853	2.807	6.8	17.9
3 12	11 51.86	+18 13.2	1.823	2.792	5.6	17.8
3 22	11 41.43	+19 2.8	1.822	2.777	7.2	17.8
4 1	11 31.45	+19 31.9	1.848	2.761	10.3	18.0
4 11	11 22.94	+19 38.2	1.899	2.744	13.6	18.2
4 21	11 16.60	+19 22.1	1.970	2.726	16.4	18.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
308150	2005 AA_{34}		3 16.8	45.°22	3.°9/13.3	18
	h m	° ′			°	m
2 11	12 9.35	+ 6 16.6	1.418	2.274	15.7	20.2
2 21	12 5.55	+ 7 37.5	1.355	2.278	11.6	20.0
3 2	11 59.16	+ 9 9.8	1.315	2.282	7.2	19.7
3 12	11 51.05	+10 43.4	1.300	2.287	4.0	19.5
3 22	11 42.35	+12 7.3	1.312	2.291	6.0	19.7
4 1	11 34.37	+13 12.0	1.349	2.296	10.4	19.9
4 11	11 28.23	+13 51.9	1.409	2.301	14.6	20.2
4 21	11 24.58	+14 6.0	1.488	2.306	18.1	20.4
496723	2016 GZ_{23}		3 16.8	289.°76	3.°1/19.8	17
2 11	12 7.37	−10 0.9	1.721	2.518	16.1	22.0
2 21	12 3.97	− 9 39.4	1.620	2.501	12.8	21.7
3 2	11 58.23	− 8 53.9	1.541	2.483	9.0	21.4
3 12	11 50.79	− 7 46.3	1.486	2.466	4.9	21.1
3 22	11 42.54	− 6 21.6	1.458	2.448	3.3	21.0
4 1	11 34.61	− 4 48.1	1.457	2.431	6.8	21.2
4 11	11 28.10	− 3 15.9	1.482	2.413	11.2	21.4
4 21	11 23.77	− 1 53.7	1.530	2.396	15.3	21.6
434888	2006 SF_{379}		3 16.8	35.°92	0.°2/17.1	17
2 11	12 5.57	− 3 8.7	2.191	3.005	12.5	21.3
2 21	12 1.94	− 2 18.5	2.109	3.007	9.4	21.1
3 2	11 56.61	− 1 13.7	2.052	3.009	5.9	20.9
3 12	11 50.15	+ 0 1.0	2.022	3.012	2.0	20.7
3 22	11 43.30	+ 1 19.8	2.021	3.014	2.0	20.7
4 1	11 36.83	+ 2 35.8	2.049	3.016	5.8	20.9
4 11	11 31.49	+ 3 43.0	2.105	3.019	9.4	21.1
4 21	11 27.79	+ 4 37.0	2.184	3.021	12.4	21.3
308868	2006 SY_{25}		3 16.8	237.°66	3.°1/20.1	18
2 11	12 10.34	− 9 33.8	2.491	3.261	12.4	20.4
2 21	12 5.42	− 9 47.5	2.390	3.254	9.9	20.2
3 2	11 58.76	− 9 47.2	2.314	3.246	7.1	20.0
3 12	11 50.89	− 9 33.6	2.264	3.238	4.3	19.8
3 22	11 42.49	− 9 9.1	2.244	3.229	3.2	19.7
4 1	11 34.38	− 8 37.1	2.253	3.221	5.3	19.8
4 11	11 27.30	− 8 2.5	2.290	3.212	8.3	20.0
4 21	11 21.82	− 7 29.9	2.352	3.203	11.2	20.2
403301	2009 BL_{164}		3 16.8	72.°19	1.°3/17.7	16
2 11	12 14.33	− 2 32.7	1.484	2.307	16.9	21.9
2 21	12 9.26	− 2 36.3	1.410	2.310	13.0	21.6
3 2	12 1.48	− 2 23.9	1.357	2.314	8.3	21.4
3 12	11 51.84	− 1 58.8	1.330	2.318	3.3	21.1
3 22	11 41.52	− 1 26.3	1.329	2.322	2.6	21.0
4 1	11 31.88	− 0 53.3	1.355	2.326	7.6	21.3
4 11	11 24.12	− 0 26.3	1.406	2.331	12.3	21.6
4 21	11 18.98	− 0 10.2	1.478	2.335	16.3	21.9
437633	2014 BV_{34}		3 16.8	51.°48	3.°8/12.2	17
2 11	12 6.61	+10 6.1	2.205	3.051	11.3	20.3
2 21	12 2.68	+11 17.4	2.138	3.055	8.3	20.2
3 2	11 57.04	+12 32.8	2.097	3.059	5.4	20.0
3 12	11 50.29	+13 45.5	2.084	3.064	3.8	19.9
3 22	11 43.18	+14 49.0	2.100	3.069	5.3	20.0
4 1	11 36.52	+15 37.7	2.143	3.073	8.2	20.2
4 11	11 31.03	+16 8.6	2.212	3.078	11.1	20.4
4 21	11 27.20	+16 20.7	2.302	3.083	13.6	20.5
108869	2001 OA_{102}		3 16.8	153.°16	3.°9/21.0	18
2 11	12 14.51	−12 41.1	2.526	3.271	12.9	20.0
2 21	12 8.40	−12 58.6	2.438	3.282	10.5	19.9
3 2	12 0.52	−13 0.3	2.374	3.291	7.7	19.7
3 12	11 51.45	−12 46.7	2.338	3.300	5.1	19.6
3 22	11 41.95	−12 19.8	2.331	3.309	3.9	19.5
4 1	11 32.84	−11 43.3	2.354	3.316	5.5	19.6
4 11	11 24.90	−11 2.2	2.406	3.323	8.2	19.8
4 21	11 18.67	−10 21.7	2.484	3.329	10.8	20.0
264573	2001 TG_{92}		3 16.8	84.°26	0.°6/17.4	18
2 11	12 13.53	− 2 35.9	1.860	2.671	14.5	21.7
2 21	12 7.89	− 2 12.4	1.803	2.698	10.9	21.5
3 2	12 0.23	− 1 35.2	1.770	2.726	6.8	21.3
3 12	11 51.33	− 0 48.5	1.764	2.753	2.5	21.1
3 22	11 42.15	+ 0 1.7	1.787	2.780	2.1	21.1
4 1	11 33.71	+ 0 49.4	1.838	2.806	6.3	21.4
4 11	11 26.83	+ 1 29.1	1.916	2.831	10.1	21.7
4 21	11 22.03	+ 1 57.2	2.018	2.857	13.2	22.0
11294	Kazu		3 16.8	73.°92	2.°9/14.4	18
2 11	12 11.50	+ 3 39.4	1.347	2.196	16.8	17.6
2 21	12 7.11	+ 4 55.6	1.294	2.214	12.3	17.4
3 2	12 0.06	+ 6 25.2	1.264	2.231	7.4	17.2
3 12	11 51.33	+ 7 58.2	1.260	2.249	3.2	17.0
3 22	11 42.17	+ 9 23.4	1.282	2.267	5.1	17.1
4 1	11 33.91	+10 31.1	1.329	2.284	9.7	17.4
4 11	11 27.63	+11 15.8	1.401	2.302	14.0	17.7
4 21	11 23.96	+11 35.9	1.491	2.319	17.6	18.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
140217	2001 SA_{236}		3 16.8	173.°90	1.°3/15.1	18
	h m	° ′			°	m
2 11	12 7.11	+ 2 57.4	2.684	3.505	10.2	20.6
2 21	12 2.78	+ 3 48.9	2.603	3.508	7.6	20.4
3 2	11 57.00	+ 4 48.3	2.547	3.509	4.6	20.3
3 12	11 50.28	+ 5 51.3	2.521	3.511	1.7	20.0
3 22	11 43.23	+ 6 52.7	2.525	3.512	2.6	20.1
4 1	11 36.51	+ 7 47.8	2.559	3.512	5.7	20.3
4 11	11 30.73	+ 8 32.7	2.621	3.513	8.6	20.5
4 21	11 26.35	+ 9 4.9	2.707	3.513	11.2	20.7
226025	2002 EA_{125}		3 16.8	178.°29	1.°1/15.8	17
2 11	12 11.32	+ 2 46.2	2.052	2.877	12.8	20.6
2 21	12 6.34	+ 3 13.7	1.972	2.878	9.5	20.4
3 2	11 59.38	+ 3 50.4	1.916	2.878	5.8	20.2
3 12	11 51.10	+ 4 31.7	1.888	2.879	1.9	19.9
3 22	11 42.35	+ 5 12.2	1.889	2.879	2.8	20.0
4 1	11 34.07	+ 5 46.5	1.919	2.878	6.8	20.2
4 11	11 27.10	+ 6 10.2	1.975	2.878	10.4	20.4
4 21	11 22.05	+ 6 21.0	2.054	2.877	13.6	20.6
428050	2006 DM_{142}		3 16.8	63.°45	1.°9/14.9	18
2 11	12 8.53	+ 3 12.9	1.816	2.653	13.7	20.6
2 21	12 4.38	+ 4 8.2	1.750	2.663	10.1	20.4
3 2	11 58.20	+ 5 14.2	1.708	2.673	6.1	20.2
3 12	11 50.71	+ 6 24.3	1.693	2.683	2.3	19.9
3 22	11 42.80	+ 7 31.1	1.706	2.693	3.7	20.1
4 1	11 35.47	+ 8 27.5	1.747	2.703	7.6	20.3
4 11	11 29.58	+ 9 8.5	1.813	2.713	11.4	20.6
4 21	11 25.69	+ 9 31.7	1.901	2.724	14.6	20.8
44941	1999 VQ_{53}		3 16.8	299.°22	0.°6/16.3	18
2 11	12 10.50	+ 0 38.0	1.481	2.320	16.1	19.2
2 21	12 6.63	+ 1 2.8	1.390	2.303	12.3	18.9
3 2	12 0.05	+ 1 43.3	1.321	2.285	7.6	18.5
3 12	11 51.45	+ 2 34.4	1.277	2.268	2.5	18.2
3 22	11 41.92	+ 3 28.8	1.259	2.251	3.2	18.2
4 1	11 32.80	+ 4 18.2	1.267	2.234	8.6	18.4
4 11	11 25.37	+ 4 54.9	1.298	2.217	13.5	18.7
4 21	11 20.51	+ 5 14.3	1.351	2.201	17.9	18.9
464494	2016 BQ_{69}		3 16.8	238.°19	1.°9/18.4	16
2 11	12 14.43	− 5 2.6	1.868	2.668	14.9	21.9
2 21	12 9.11	− 5 0.2	1.767	2.654	11.6	21.7
3 2	12 1.38	− 4 41.8	1.690	2.639	7.7	21.4
3 12	11 51.87	− 4 9.5	1.638	2.624	3.5	21.1
3 22	11 41.55	− 3 27.4	1.615	2.608	2.5	21.0
4 1	11 31.54	− 2 41.4	1.621	2.591	6.7	21.2
4 11	11 22.95	− 1 58.4	1.654	2.573	11.1	21.4
4 21	11 16.58	− 1 23.7	1.709	2.556	14.9	21.6
108927	2001 PK_{21}		3 16.8	143.°01	1.°2/15.4	18
2 11	12 8.89	+ 3 17.7	2.446	3.269	11.1	19.9
2 21	12 4.21	+ 3 54.3	2.370	3.275	8.2	19.7
3 2	11 57.93	+ 4 38.4	2.319	3.281	4.9	19.5
3 12	11 50.62	+ 5 25.8	2.296	3.286	1.7	19.3
3 22	11 42.97	+ 6 11.6	2.303	3.292	2.7	19.4
4 1	11 35.72	+ 6 51.1	2.340	3.297	6.0	19.6
4 11	11 29.55	+ 7 20.7	2.404	3.301	9.1	19.8
4 21	11 24.94	+ 7 38.3	2.492	3.306	11.8	20.0
430620	2003 DT_9		3 16.8	51.°25	7.°2/ 8.6	18
2 11	12 8.64	+18 45.9	1.868	2.722	12.6	20.1
2 21	12 4.35	+20 31.9	1.836	2.748	9.8	20.0
3 2	11 58.08	+22 12.7	1.830	2.775	7.6	19.9
3 12	11 50.65	+23 38.6	1.851	2.801	7.3	19.9
3 22	11 42.99	+24 42.2	1.898	2.828	8.9	20.0
4 1	11 36.05	+25 19.6	1.971	2.855	11.3	20.2
4 11	11 30.63	+25 30.4	2.066	2.882	13.7	20.5
4 21	11 27.20	+25 17.0	2.180	2.910	15.8	20.7
58672	Remigio		3 16.8	117.°48	5.°6/23.4	18
2 11	12 11.81	−18 50.3	2.242	2.966	15.0	19.4
2 21	12 6.58	−18 57.4	2.165	2.985	12.5	19.3
3 2	11 59.47	−18 42.2	2.109	3.003	9.7	19.1
3 12	11 51.14	−18 4.8	2.078	3.022	7.1	19.0
3 22	11 42.42	−17 8.1	2.074	3.039	5.7	19.0
4 1	11 34.21	−15 57.2	2.099	3.056	6.5	19.0
4 11	11 27.32	−14 39.5	2.151	3.072	8.8	19.2
4 21	11 22.28	−13 22.1	2.229	3.088	11.4	19.4
78310	Spoto		3 16.8	132.°87	3.°0/19.7	18
2 11	12 12.52	− 9 3.0	1.885	2.672	15.3	20.4
2 21	12 7.40	− 8 59.2	1.807	2.681	12.1	20.2
3 2	12 0.12	− 8 36.4	1.751	2.691	8.3	19.9
3 12	11 51.39	− 7 56.8	1.721	2.700	4.6	19.7
3 22	11 42.15	− 7 4.6	1.719	2.708	3.2	19.7
4 1	11 33.46	− 6 6.2	1.745	2.716	6.2	19.9
4 11	11 26.24	− 5 8.9	1.799	2.724	10.0	20.1
4 21	11 21.14	− 4 18.5	1.875	2.731	13.4	20.3

240048 2001 WM_3 3 16.9 150.°57 2.°6/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.83	−10 34.6	2.538	3.310	12.2	20.6
2 21	12 2.70	−10 13.7	2.450	3.314	9.7	20.4
3 2	11 57.03	− 9 36.6	2.384	3.318	6.8	20.2
3 12	11 50.34	− 8 45.3	2.346	3.321	3.9	20.0
3 22	11 43.27	− 7 43.6	2.337	3.325	2.7	19.9
4 1	11 36.55	− 6 36.6	2.357	3.328	4.9	20.1
4 11	11 30.83	− 5 29.9	2.406	3.331	7.8	20.3
4 21	11 26.60	− 4 28.7	2.481	3.334	10.6	20.5

231875 2000 UZ_{15} 3 16.9 183.°77 5.°3/24.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.46	−21 22.4	2.431	3.137	14.3	21.5
2 21	12 4.08	−20 49.0	2.330	3.138	12.1	21.3
3 2	11 57.96	−19 50.6	2.250	3.138	9.5	21.2
3 12	11 50.66	−18 27.4	2.196	3.137	6.9	21.0
3 22	11 42.93	−16 43.2	2.170	3.136	5.3	20.9
4 1	11 35.57	−14 44.2	2.174	3.134	6.0	20.9
4 11	11 29.35	−12 39.2	2.207	3.132	8.4	21.1
4 21	11 24.80	−10 36.7	2.268	3.130	11.1	21.2

8633 Keisukenagao 3 16.9 27.°88 0.°2/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.95	+ 1 18.4	1.844	2.672	13.9	17.5
2 21	12 6.18	+ 1 19.5	1.775	2.681	10.4	17.3
3 2	11 59.32	+ 1 30.4	1.729	2.690	6.4	17.0
3 12	11 51.12	+ 1 47.3	1.710	2.701	2.1	16.8
3 22	11 42.49	+ 2 5.7	1.719	2.711	2.3	16.8
4 1	11 34.45	+ 2 21.0	1.755	2.722	6.6	17.1
4 11	11 27.88	+ 2 28.9	1.818	2.734	10.4	17.3
4 21	11 23.36	+ 2 27.0	1.903	2.746	13.7	17.6

415107 2012 CG_{34} 3 16.9 117.°51 1.°3/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.85	+ 1 27.0	1.827	2.653	14.1	21.4
2 21	12 6.83	+ 2 22.5	1.762	2.669	10.4	21.2
3 2	11 59.70	+ 3 30.2	1.721	2.684	6.3	21.0
3 12	11 51.23	+ 4 43.6	1.708	2.698	2.1	20.8
3 22	11 42.37	+ 5 55.2	1.723	2.712	3.2	20.9
4 1	11 34.15	+ 6 57.8	1.767	2.725	7.4	21.1
4 11	11 27.45	+ 7 45.7	1.837	2.738	11.2	21.4
4 21	11 22.82	+ 8 16.4	1.929	2.751	14.4	21.6

64418 2001 UE_{184} 3 16.9 229.°76 5.°0/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.51	+11 39.7	1.910	2.758	12.6	19.5
2 21	12 5.22	+13 5.5	1.836	2.753	9.5	19.2
3 2	11 58.82	+14 36.2	1.787	2.747	6.4	19.0
3 12	11 50.98	+16 3.0	1.766	2.741	5.0	18.9
3 22	11 42.61	+17 17.4	1.773	2.735	6.7	19.0
4 1	11 34.70	+18 12.3	1.807	2.729	10.0	19.2
4 11	11 28.18	+18 44.2	1.865	2.722	13.2	19.4
4 21	11 23.69	+18 52.7	1.943	2.715	16.1	19.6

30976 1995 FH_1 3 16.9 324.°06 1.°7/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.60	+ 5 41.4	1.590	2.427	15.3	17.7
2 21	12 10.19	+ 5 38.9	1.508	2.420	11.5	17.4
3 2	12 2.09	+ 5 42.9	1.448	2.412	7.1	17.1
3 12	11 52.12	+ 5 48.7	1.415	2.405	2.6	16.8
3 22	11 41.40	+ 5 51.0	1.408	2.398	3.7	16.9
4 1	11 31.25	+ 5 45.2	1.429	2.391	8.4	17.1
4 11	11 22.89	+ 5 28.0	1.475	2.385	12.9	17.4
4 21	11 17.08	+ 4 58.0	1.543	2.379	16.7	17.6

370974 2005 SE_{215} 3 16.9 238.°73 2.°1/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.05	− 7 24.4	2.233	3.018	13.2	22.0
2 21	12 6.21	− 7 9.9	2.126	3.003	10.4	21.8
3 2	11 59.41	− 6 39.1	2.044	2.987	7.1	21.5
3 12	11 51.20	− 5 54.1	1.988	2.970	3.6	21.3
3 22	11 42.34	− 4 58.6	1.961	2.952	2.5	21.2
4 1	11 33.73	− 3 58.1	1.964	2.934	5.7	21.4
4 11	11 26.26	− 2 59.1	1.995	2.915	9.4	21.5
4 21	11 20.57	− 2 7.0	2.050	2.896	12.8	21.7

155182 2005 UL_{317} 3 16.9 91.°50 1.°1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.11	− 4 15.4	1.796	2.609	14.9	21.2
2 21	12 5.65	− 3 49.4	1.722	2.618	11.4	21.0
3 2	11 59.05	− 3 6.7	1.672	2.626	7.3	20.7
3 12	11 51.05	− 2 11.4	1.647	2.635	2.9	20.5
3 22	11 42.57	− 1 9.5	1.651	2.644	2.2	20.5
4 1	11 34.65	− 0 8.3	1.682	2.653	6.5	20.7
4 11	11 28.22	+ 0 45.5	1.740	2.661	10.5	21.0
4 21	11 23.87	+ 1 27.0	1.820	2.670	14.0	21.2

111576 2002 AQ_{20} 3 16.9 97.°49 1.°0/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.65	− 5 23.9	2.061	2.860	13.7	19.6
2 21	12 5.67	− 4 40.8	1.997	2.885	10.4	19.5
3 2	11 58.87	− 3 41.9	1.958	2.909	6.7	19.3
3 12	11 50.94	− 2 31.8	1.946	2.933	2.7	19.1
3 22	11 42.72	− 1 16.5	1.963	2.956	1.9	19.1
4 1	11 35.10	− 0 3.0	2.010	2.979	5.7	19.3
4 11	11 28.83	+ 1 2.6	2.085	3.001	9.3	19.6
4 21	11 24.40	+ 1 55.8	2.183	3.023	12.4	19.8

181705 1989 RY 3 16.9 150.°60 2.°0/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.32	− 8 14.6	2.496	3.271	12.3	20.8
2 21	12 5.99	− 7 49.7	2.413	3.283	9.6	20.6
3 2	11 59.03	− 7 9.8	2.354	3.294	6.5	20.4
3 12	11 51.01	− 6 17.4	2.324	3.305	3.3	20.3
3 22	11 42.63	− 5 16.7	2.324	3.314	2.2	20.2
4 1	11 34.66	− 4 12.9	2.354	3.323	5.0	20.4
4 11	11 27.81	− 3 11.6	2.413	3.331	8.1	20.6
4 21	11 22.57	− 2 17.4	2.498	3.338	11.0	20.8

384991 2012 TE_{193} 3 16.9 16.°79 10.°4/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 20.42	+34 15.0	2.138	2.945	13.0	19.9
2 21	12 13.12	+35 6.1	2.090	2.946	11.4	19.8
3 2	12 3.49	+35 40.5	2.066	2.948	10.5	19.7
3 12	11 52.46	+35 50.4	2.066	2.950	10.6	19.7
3 22	11 41.19	+35 31.1	2.092	2.952	11.6	19.8
4 1	11 30.86	+34 42.0	2.141	2.955	13.2	19.9
4 11	11 22.42	+33 26.2	2.212	2.957	15.1	20.0
4 21	11 16.41	+31 49.0	2.302	2.960	16.7	20.2

313768 2003 WO_{188} 3 16.9 62.°11 1.°1/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.38	− 3 36.9	1.434	2.259	17.3	20.8
2 21	12 7.68	− 3 19.4	1.375	2.277	13.2	20.5
3 2	12 0.42	− 2 43.3	1.338	2.296	8.4	20.3
3 12	11 51.51	− 1 53.5	1.326	2.314	3.3	20.1
3 22	11 42.15	− 0 57.2	1.339	2.333	2.5	20.0
4 1	11 33.62	− 0 2.5	1.380	2.352	7.4	20.4
4 11	11 27.01	+ 0 43.0	1.445	2.371	11.9	20.7
4 21	11 22.92	+ 1 14.6	1.532	2.389	15.7	21.0

325656 2009 SX_{341} 3 16.9 257.°71 4.°0/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.19	+11 4.3	1.915	2.752	13.1	21.0
2 21	12 9.55	+11 38.2	1.827	2.738	9.9	20.7
3 2	12 1.56	+12 15.1	1.763	2.723	6.4	20.5
3 12	11 51.93	+12 48.6	1.726	2.708	4.0	20.3
3 22	11 41.62	+13 12.2	1.719	2.693	5.5	20.4
4 1	11 31.76	+13 20.9	1.739	2.678	9.1	20.5
4 11	11 23.38	+13 12.1	1.784	2.662	12.7	20.7
4 21	11 17.21	+12 45.6	1.851	2.646	16.0	20.9

500727 2012 XY_{50} 3 16.9 165.°96 1.°0/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.58	+ 2 36.1	2.553	3.372	10.8	22.4
2 21	12 3.95	+ 3 11.0	2.471	3.375	8.0	22.2
3 2	11 57.78	+ 3 53.9	2.416	3.378	4.8	22.0
3 12	11 50.60	+ 4 40.4	2.390	3.380	1.6	21.7
3 22	11 43.07	+ 5 26.2	2.393	3.382	2.4	21.8
4 1	11 35.91	+ 6 6.7	2.426	3.384	5.7	22.0
4 11	11 29.76	+ 6 38.2	2.487	3.385	8.8	22.2
4 21	11 25.11	+ 6 58.3	2.571	3.386	11.4	22.4

90078 2002 VX_{97} 3 16.9 346.°55 5.°4/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.58	−11 41.2	1.243	2.053	20.3	19.1
2 21	12 6.32	−11 58.9	1.165	2.049	16.5	18.9
3 2	12 0.02	−11 47.8	1.106	2.046	12.0	18.6
3 12	11 51.51	−11 7.8	1.069	2.044	7.5	18.3
3 22	11 42.05	−10 3.5	1.055	2.042	5.4	18.2
4 1	11 33.21	− 8 44.0	1.065	2.040	8.5	18.4
4 11	11 26.42	− 7 21.8	1.099	2.039	13.3	18.6
4 21	11 22.57	− 6 7.9	1.152	2.039	17.8	18.9

7401 Toynbee 3 16.9 159.°90 0.°8/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.06	− 3 49.7	2.050	2.853	13.6	19.0
2 21	12 6.90	− 3 19.2	1.969	2.859	10.4	18.8
3 2	11 59.75	− 2 33.7	1.912	2.865	6.6	18.6
3 12	11 51.29	− 1 37.2	1.883	2.871	2.6	18.3
3 22	11 42.36	− 0 35.1	1.882	2.875	2.0	18.3
4 1	11 33.91	+ 0 26.1	1.912	2.880	6.1	18.6
4 11	11 26.80	+ 1 20.2	1.968	2.883	9.9	18.8
4 21	11 21.62	+ 2 3.0	2.049	2.886	13.1	19.0

472142 2014 BN_{64} 3 16.9 9.°26 8.°3/25.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.29	−22 30.4	1.864	2.589	17.5	19.8
2 21	12 3.03	−23 13.0	1.781	2.591	15.2	19.7
3 2	11 57.58	−23 29.0	1.717	2.594	12.5	19.5
3 12	11 50.62	−23 16.4	1.674	2.598	10.0	19.3
3 22	11 43.04	−22 35.9	1.655	2.603	8.5	19.3
4 1	11 35.90	−21 32.1	1.661	2.609	8.7	19.3
4 11	11 30.19	−20 13.1	1.692	2.615	10.6	19.4
4 21	11 26.57	−18 48.3	1.746	2.623	13.2	19.6

204969 1991 VU_{11} 3 16.9 80.°61 1.°1/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.24	+ 2 8.2	2.212	3.036	12.0	21.0
2 21	12 4.52	+ 2 50.4	2.152	3.057	8.9	20.8
3 2	11 58.13	+ 3 41.3	2.116	3.079	5.3	20.6
3 12	11 50.70	+ 4 36.0	2.109	3.100	1.8	20.4
3 22	11 43.02	+ 5 29.1	2.131	3.121	2.6	20.5
4 1	11 35.87	+ 6 15.3	2.183	3.141	6.2	20.8
4 11	11 29.95	+ 6 50.5	2.261	3.162	9.4	21.0
4 21	11 25.72	+ 7 12.6	2.363	3.182	12.2	21.2

428845 2008 UH_{51} 3 16.9 82.°44 0.°4/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.39	+ 0 19.9	1.978	2.802	13.2	21.6
2 21	12 4.97	+ 0 50.4	1.901	2.805	9.9	21.4
3 2	11 58.60	+ 1 32.6	1.847	2.808	6.1	21.2
3 12	11 50.91	+ 2 21.9	1.820	2.811	1.9	20.9
3 22	11 42.77	+ 3 12.7	1.822	2.814	2.4	20.9
4 1	11 35.10	+ 3 58.9	1.852	2.817	6.6	21.2
4 11	11 28.75	+ 4 35.4	1.909	2.820	10.3	21.4
4 21	11 24.31	+ 4 58.8	1.988	2.823	13.6	21.6

225565 2000 TR_{12} 3 16.9 163.°39 2.°7/13.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.27	+ 7 20.3	2.409	3.239	11.0	21.4
2 21	12 5.28	+ 8 21.0	2.336	3.245	8.1	21.3
3 2	11 58.63	+ 9 27.5	2.288	3.250	5.0	21.1
3 12	11 50.90	+10 33.7	2.270	3.255	2.7	20.9
3 22	11 42.80	+11 34.0	2.282	3.259	4.1	21.0
4 1	11 35.13	+12 23.2	2.323	3.263	7.1	21.2
4 11	11 28.59	+12 57.7	2.391	3.266	10.0	21.4
4 21	11 23.68	+13 16.3	2.483	3.268	12.6	21.6

318055 2004 FV_{60} 3 16.9 152.°14 0.°9/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.64	+ 0 50.5	2.159	2.977	12.5	20.7
2 21	12 5.72	+ 1 43.8	2.083	2.986	9.3	20.5
3 2	11 58.97	+ 2 48.4	2.033	2.994	5.6	20.3
3 12	11 51.02	+ 3 59.0	2.011	3.001	1.8	20.0
3 22	11 42.67	+ 5 9.3	2.019	3.008	2.7	20.1
4 1	11 34.80	+ 6 13.0	2.056	3.014	6.5	20.4
4 11	11 28.18	+ 7 4.7	2.120	3.020	10.0	20.6
4 21	11 23.35	+ 7 41.6	2.208	3.025	13.0	20.8

121224 1999 RA_{21} 3 16.9 163.°01 2.°8/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 27.27	− 2 15.3	1.295	2.106	19.6	19.8
2 21	12 19.58	− 3 13.6	1.218	2.110	15.3	19.5
3 2	12 8.25	− 3 59.2	1.161	2.113	10.1	19.2
3 12	11 54.26	− 4 32.0	1.130	2.116	4.7	18.9
3 22	11 39.22	− 4 53.5	1.127	2.118	3.7	18.8
4 1	11 25.03	− 5 7.5	1.151	2.120	8.9	19.1
4 11	11 13.39	− 5 19.4	1.200	2.121	14.2	19.4
4 21	11 5.27	− 5 34.2	1.270	2.122	18.7	19.7

10991 Dulov 3 16.9 235.°13 0.°2/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.85	− 2 17.1	1.960	2.771	13.8	18.8
2 21	12 7.04	− 1 40.0	1.861	2.757	10.6	18.5
3 2	12 0.03	− 0 47.3	1.785	2.743	6.7	18.3
3 12	11 51.45	+ 0 17.0	1.737	2.727	2.3	17.9
3 22	11 42.16	+ 1 26.9	1.718	2.711	2.3	17.9
4 1	11 33.18	+ 2 35.0	1.728	2.694	6.8	18.1
4 11	11 25.52	+ 3 34.3	1.765	2.677	11.0	18.4
4 21	11 19.88	+ 4 20.1	1.825	2.658	14.7	18.6

467428 2005 XG_{40} 3 16.9 41.°75 6.°0/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.34	+14 26.8	1.710	2.564	13.6	21.2
2 21	12 5.94	+15 41.8	1.651	2.569	10.3	21.0
3 2	11 59.28	+16 57.5	1.617	2.574	7.2	20.8
3 12	11 51.16	+18 4.6	1.609	2.579	6.0	20.8
3 22	11 42.58	+18 54.9	1.627	2.585	7.7	20.9
4 1	11 34.67	+19 22.8	1.672	2.591	10.8	21.1
4 11	11 28.39	+19 26.4	1.739	2.597	14.0	21.3
4 21	11 24.31	+19 6.8	1.825	2.603	16.8	21.5

166667 2002 TU_{57} 3 16.9 122.°06 4.°0/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.99	−13 36.5	2.426	3.178	13.2	20.8
2 21	12 5.13	−13 43.9	2.343	3.189	10.7	20.6
3 2	11 58.57	−13 33.9	2.283	3.200	8.0	20.5
3 12	11 50.90	−13 7.3	2.248	3.211	5.3	20.3
3 22	11 42.84	−12 26.8	2.242	3.221	4.0	20.3
4 1	11 35.17	−11 36.8	2.266	3.231	5.5	20.4
4 11	11 28.64	−10 42.9	2.317	3.240	8.1	20.5
4 21	11 23.74	− 9 50.6	2.393	3.250	10.8	20.7

498608 2008 RR_{77} 3 16.9 202.°98 0.°5/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.38	+ 2 1.1	2.418	3.229	11.6	22.3
2 21	12 7.67	+ 2 13.5	2.327	3.224	8.7	22.1
3 2	12 0.17	+ 2 33.6	2.261	3.220	5.3	21.8
3 12	11 51.45	+ 2 58.2	2.224	3.215	1.7	21.6
3 22	11 42.25	+ 3 23.2	2.218	3.209	2.2	21.6
4 1	11 33.42	+ 3 44.8	2.241	3.203	5.8	21.8
4 11	11 25.73	+ 3 59.2	2.293	3.196	9.2	22.0
4 21	11 19.74	+ 4 4.2	2.369	3.189	12.2	22.2

213403 2001 WT 3 16.9 17.°58 0.°1/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.30	− 0 53.9	1.953	2.777	13.4	20.4
2 21	12 3.44	− 0 29.1	1.877	2.781	10.1	20.2
3 2	11 57.66	+ 0 8.1	1.825	2.785	6.3	20.0
3 12	11 50.63	+ 0 53.7	1.799	2.789	2.1	19.7
3 22	11 43.15	+ 1 42.1	1.801	2.794	2.2	19.8
4 1	11 36.14	+ 2 27.4	1.832	2.800	6.3	20.0
4 11	11 30.43	+ 3 4.4	1.888	2.805	10.1	20.3
4 21	11 26.57	+ 3 29.4	1.967	2.811	13.3	20.5

93409 2000 SS_{296} 3 16.9 57.°64 2.°6/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.24	− 5 26.4	1.702	2.506	15.9	19.5
2 21	12 8.85	− 5 48.7	1.632	2.519	12.4	19.3
3 2	12 1.10	− 5 55.3	1.584	2.531	8.3	19.1
3 12	11 51.78	− 5 48.0	1.561	2.544	4.2	18.9
3 22	11 41.95	− 5 30.2	1.566	2.557	3.0	18.8
4 1	11 32.78	− 5 7.1	1.599	2.570	6.6	19.1
4 11	11 25.28	− 4 44.6	1.658	2.584	10.6	19.3
4 21	11 20.10	− 4 27.6	1.739	2.597	14.1	19.6

307714 2003 UG_{141} 3 16.9 153.°98 4.°6/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.46	+11 3.5	1.827	2.669	13.4	20.7
2 21	12 8.15	+12 12.7	1.762	2.676	10.0	20.5
3 2	12 0.60	+13 25.8	1.721	2.682	6.5	20.3
3 12	11 51.60	+14 34.4	1.708	2.687	4.6	20.2
3 22	11 42.14	+15 30.7	1.724	2.692	6.3	20.3
4 1	11 33.31	+16 8.6	1.766	2.696	9.6	20.5
4 11	11 26.06	+16 25.2	1.833	2.700	13.0	20.7
4 21	11 20.99	+16 20.6	1.921	2.703	15.9	20.9

82208 2001 HP_{42} 3 16.9 255.°21 3.°3/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.11	+ 5 43.9	1.566	2.409	15.2	20.1
2 21	12 8.54	+ 6 48.4	1.475	2.391	11.4	19.8
3 2	12 1.25	+ 8 5.7	1.408	2.373	7.1	19.5
3 12	11 51.94	+ 9 27.8	1.366	2.354	3.5	19.3
3 22	11 41.69	+10 44.8	1.352	2.334	5.4	19.3
4 1	11 31.84	+11 47.2	1.365	2.314	10.1	19.5
4 11	11 23.67	+12 28.2	1.402	2.294	14.6	19.8
4 21	11 18.04	+12 45.2	1.459	2.273	18.6	20.0

272394 2005 SS_{288} 3 16.9 245.°62 5.°6/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.36	+15 22.2	2.100	2.941	11.9	21.7
2 21	12 7.31	+16 36.1	2.015	2.925	9.1	21.5
3 2	12 0.14	+17 51.5	1.956	2.908	6.6	21.3
3 12	11 51.49	+19 0.2	1.925	2.891	5.6	21.2
3 22	11 42.21	+19 54.9	1.922	2.873	7.2	21.2
4 1	11 33.32	+20 29.6	1.946	2.855	10.1	21.4
4 11	11 25.74	+20 41.7	1.995	2.835	13.2	21.5
4 21	11 20.14	+20 31.6	2.064	2.816	15.9	21.7

138691 2000 SP_{57} 3 16.9 257.°49 1.°2/15.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.69	+ 5 20.8	2.380	3.198	11.5	19.8
2 21	12 8.67	+ 5 18.4	2.291	3.192	8.6	19.6
3 2	12 0.79	+ 5 20.5	2.226	3.187	5.3	19.4
3 12	11 51.67	+ 5 23.8	2.191	3.181	1.9	19.1
3 22	11 42.07	+ 5 25.1	2.186	3.175	2.6	19.2
4 1	11 32.87	+ 5 21.1	2.212	3.170	6.2	19.4
4 11	11 24.86	+ 5 9.6	2.265	3.164	9.5	19.6
4 21	11 18.62	+ 4 49.1	2.343	3.158	12.4	19.8

458966 2011 WA_{14} 3 16.9 96.°62 0.°3/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.44	− 2 17.5	1.613	2.433	15.9	21.9
2 21	12 8.26	− 1 46.4	1.551	2.451	12.0	21.7
3 2	12 0.71	− 0 59.1	1.511	2.469	7.5	21.5
3 12	11 51.64	− 0 0.9	1.497	2.487	2.6	21.2
3 22	11 42.15	+ 1 1.0	1.511	2.504	2.4	21.3
4 1	11 33.41	+ 1 58.9	1.552	2.520	7.2	21.6
4 11	11 26.42	+ 2 46.1	1.619	2.537	11.4	21.9
4 21	11 21.77	+ 3 18.6	1.709	2.553	15.0	22.1

410320 2007 TG_{441} 3 16.9 122.°62 4.°3/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.43	−13 19.7	1.845	2.612	16.2	21.4
2 21	12 7.40	−13 11.6	1.769	2.627	13.1	21.2
3 2	12 0.17	−12 40.4	1.715	2.641	9.5	21.0
3 12	11 51.49	−11 47.6	1.686	2.655	6.0	20.8
3 22	11 42.32	−10 37.8	1.685	2.668	4.3	20.7
4 1	11 33.75	− 9 18.2	1.711	2.681	6.5	20.9
4 11	11 26.72	− 7 57.6	1.765	2.693	10.0	21.1
4 21	11 21.84	− 6 43.4	1.843	2.704	13.3	21.4

462009 2006 XD_8 3 16.9 148.°65 5.°1/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.51	−17 24.7	2.251	2.984	14.7	21.7
2 21	12 6.45	−17 25.2	2.165	2.994	12.2	21.5
3 2	11 59.48	−17 4.0	2.101	3.003	9.3	21.3
3 12	11 51.25	−16 21.4	2.061	3.012	6.6	21.2
3 22	11 42.56	−15 20.2	2.049	3.021	5.1	21.1
4 1	11 34.32	−14 5.9	2.067	3.028	6.2	21.2
4 11	11 27.34	−12 45.7	2.112	3.035	8.8	21.3
4 21	11 22.19	−11 26.9	2.182	3.041	11.6	21.5

313443 2002 RK_{156} 3 16.9 249.°46 1.°6/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.32	− 4 34.0	1.818	2.625	14.9	21.1
2 21	12 7.56	− 4 26.9	1.723	2.614	11.6	20.9
3 2	12 0.45	− 4 3.6	1.651	2.602	7.6	20.6
3 12	11 51.65	− 3 26.6	1.604	2.590	3.4	20.3
3 22	11 42.10	− 2 40.6	1.585	2.578	2.4	20.2
4 1	11 32.91	− 1 51.7	1.595	2.566	6.7	20.5
4 11	11 25.16	− 1 7.0	1.631	2.553	11.0	20.7
4 21	11 19.59	− 0 31.9	1.689	2.540	14.8	20.9

388272 2006 RW_{39} 3 16.9 116.°32 0.°5/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.70	+ 0 37.8	2.770	3.581	10.2	21.9
2 21	12 3.14	+ 1 20.0	2.699	3.598	7.6	21.8
3 2	11 57.22	+ 2 10.6	2.655	3.615	4.6	21.6
3 12	11 50.46	+ 3 5.5	2.640	3.631	1.5	21.4
3 22	11 43.45	+ 4 0.5	2.656	3.647	2.0	21.5
4 1	11 36.82	+ 4 51.0	2.702	3.662	5.0	21.7
4 11	11 31.14	+ 5 33.4	2.776	3.677	7.9	21.9
4 21	11 26.82	+ 6 5.2	2.875	3.691	10.3	22.1

192820 1999 VO_{82} 3 16.9 255.°16 6.°1/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.51	+19 26.0	2.353	3.186	11.1	20.7
2 21	12 8.77	+20 26.0	2.264	3.164	8.7	20.5
3 2	12 0.99	+21 23.6	2.200	3.142	6.7	20.3
3 12	11 51.79	+22 11.5	2.165	3.119	6.1	20.2
3 22	11 41.99	+22 43.5	2.159	3.095	7.5	20.3
4 1	11 32.54	+22 55.3	2.180	3.071	10.0	20.4
4 11	11 24.33	+22 45.3	2.225	3.046	12.7	20.5
4 21	11 18.00	+22 14.7	2.291	3.021	15.1	20.6

405390 2004 FH_{67} 3 16.9 301.°36 3.°7/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.66	+ 6 15.9	1.236	2.095	17.3	21.0
2 21	12 8.16	+ 7 2.8	1.146	2.070	13.1	20.6
3 2	12 1.41	+ 8 3.4	1.077	2.045	8.2	20.3
3 12	11 52.12	+ 9 9.3	1.032	2.021	4.0	20.0
3 22	11 41.55	+10 9.6	1.011	1.996	6.1	20.0
4 1	11 31.36	+10 53.2	1.015	1.972	11.6	20.2
4 11	11 23.17	+11 12.8	1.039	1.948	17.0	20.4
4 21	11 18.09	+11 5.6	1.081	1.925	21.8	20.6

466470 2013 TB_{133} 3 16.9 234.°93 5.°3/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.85	+14 31.9	1.978	2.823	12.4	21.2
2 21	12 6.89	+15 31.1	1.907	2.819	9.4	21.0
3 2	11 59.84	+16 30.8	1.860	2.816	6.6	20.8
3 12	11 51.39	+17 23.4	1.841	2.812	5.3	20.7
3 22	11 42.45	+18 2.2	1.849	2.808	6.8	20.8
4 1	11 34.04	+18 22.1	1.885	2.805	9.8	21.0
4 11	11 27.06	+18 21.2	1.945	2.801	12.8	21.1
4 21	11 22.11	+18 0.1	2.025	2.796	15.6	21.3

503309 2016 AN_{122} 3 16.9 280.°32 13.°2/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.62	−26 24.5	1.734	2.415	20.1	21.1
2 21	12 14.82	−28 36.8	1.630	2.396	18.2	20.9
3 2	12 5.64	−30 27.8	1.544	2.378	16.1	20.7
3 12	11 53.62	−31 48.7	1.479	2.359	14.2	20.5
3 22	11 39.85	−32 32.7	1.438	2.340	13.2	20.4
4 1	11 25.97	−32 37.8	1.420	2.321	13.7	20.4
4 11	11 13.72	−32 8.8	1.425	2.302	15.4	20.4
4 21	11 4.44	−31 16.1	1.451	2.283	17.8	20.5

468925 2014 WD_{427} 3 16.9 72.°35 3.°8/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.03	+ 8 52.6	1.900	2.746	12.8	20.6
2 21	12 4.80	+ 9 59.7	1.831	2.748	9.5	20.4
3 2	11 58.55	+11 12.7	1.787	2.750	6.0	20.2
3 12	11 50.96	+12 24.1	1.769	2.752	3.8	20.1
3 22	11 42.91	+13 26.4	1.780	2.754	5.4	20.2
4 1	11 35.38	+14 13.1	1.818	2.757	8.8	20.4
4 11	11 29.24	+14 40.6	1.881	2.759	12.2	20.6
4 21	11 25.07	+14 48.0	1.965	2.761	15.1	20.8

310901 2003 SO_{18} 3 16.9 156.°72 0.°3/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.83	− 2 26.1	2.058	2.864	13.5	22.0
2 21	12 7.47	− 1 50.3	1.980	2.873	10.2	21.8
3 2	12 0.13	− 1 0.6	1.925	2.881	6.4	21.6
3 12	11 51.48	− 0 1.3	1.899	2.888	2.2	21.3
3 22	11 42.38	+ 1 1.7	1.902	2.894	2.1	21.3
4 1	11 33.78	+ 2 2.1	1.934	2.900	6.2	21.6
4 11	11 26.54	+ 2 54.0	1.994	2.905	10.0	21.9
4 21	11 21.23	+ 3 33.4	2.078	2.909	13.2	22.1

191917 2005 QO_{71} 3 16.9 179.°34 0.°1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.86	− 2 39.2	1.785	2.599	14.9	21.4
2 21	12 7.84	− 1 46.4	1.703	2.601	11.3	21.1
3 2	12 0.53	− 0 36.1	1.645	2.603	7.0	20.9
3 12	11 51.65	+ 0 46.4	1.613	2.603	2.4	20.6
3 22	11 42.18	+ 2 13.2	1.611	2.603	2.5	20.6
4 1	11 33.22	+ 3 35.8	1.637	2.602	7.2	20.9
4 11	11 25.80	+ 4 46.2	1.690	2.600	11.5	21.1
4 21	11 20.57	+ 5 39.7	1.765	2.598	15.1	21.3

78031 2002 JH_{75} 3 16.9 202.°25 4.°0/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.90	+ 8 8.8	1.557	2.400	15.3	19.4
2 21	12 10.47	+ 9 8.3	1.482	2.397	11.4	19.2
3 2	12 2.32	+10 16.0	1.430	2.393	7.2	18.9
3 12	11 52.28	+11 23.4	1.404	2.389	4.1	18.7
3 22	11 41.52	+12 21.2	1.405	2.384	5.9	18.8
4 1	11 31.39	+13 1.6	1.434	2.378	10.2	19.0
4 11	11 23.09	+13 20.1	1.486	2.372	14.4	19.2
4 21	11 17.41	+13 16.1	1.559	2.365	18.0	19.5

421223 2013 SQ_{35} 3 16.9 118.°78 0.°1/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.15	+ 0 28.4	1.978	2.795	13.5	21.4
2 21	12 7.78	+ 0 38.2	1.902	2.802	10.2	21.2
3 2	12 0.35	+ 0 58.3	1.849	2.808	6.3	21.0
3 12	11 51.56	+ 1 25.1	1.825	2.815	2.1	20.7
3 22	11 42.31	+ 1 53.9	1.829	2.821	2.2	20.7
4 1	11 33.59	+ 2 19.8	1.862	2.827	6.4	21.0
4 11	11 26.29	+ 2 38.1	1.921	2.833	10.2	21.2
4 21	11 21.00	+ 2 46.3	2.004	2.839	13.5	21.5

429208 2009 WD_{195} 3 16.9 139.°02 0.°3/17.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.71	− 2 48.5	2.255	3.061	12.4	21.9
2 21	12 4.98	− 2 9.0	2.178	3.071	9.4	21.7
3 2	11 58.51	− 1 16.6	2.126	3.081	5.9	21.5
3 12	11 50.93	− 0 15.2	2.101	3.090	2.1	21.3
3 22	11 42.97	+ 0 49.7	2.106	3.099	1.9	21.3
4 1	11 35.46	+ 1 52.2	2.141	3.108	5.7	21.6
4 11	11 29.14	+ 2 46.9	2.204	3.116	9.1	21.8
4 21	11 24.50	+ 3 30.0	2.291	3.123	12.1	22.0

82047 2000 SX_{256} 3 16.9 311.°68 2.°9/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.38	+ 6 24.0	1.998	2.842	12.3	18.9
2 21	12 2.90	+ 7 23.3	1.908	2.824	9.2	18.7
3 2	11 57.46	+ 8 31.5	1.842	2.807	5.7	18.4
3 12	11 50.64	+ 9 42.4	1.803	2.790	3.0	18.2
3 22	11 43.24	+10 48.7	1.792	2.773	4.5	18.3
4 1	11 36.16	+11 43.5	1.809	2.756	8.2	18.5
4 11	11 30.30	+12 21.8	1.851	2.740	11.8	18.6
4 21	11 26.27	+12 41.2	1.915	2.724	15.0	18.8

224313 2005 UT_{24} 3 16.9 176.°50 0.°1/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.35	− 0 56.5	2.122	2.934	12.9	21.2
2 21	12 6.37	− 0 29.2	2.038	2.936	9.7	21.0
3 2	11 59.47	+ 0 10.1	1.979	2.937	6.1	20.8
3 12	11 51.28	+ 0 57.4	1.948	2.938	2.0	20.5
3 22	11 42.62	+ 1 47.6	1.946	2.938	2.1	20.5
4 1	11 34.38	+ 2 35.0	1.973	2.938	6.1	20.8
4 11	11 27.41	+ 3 14.3	2.027	2.938	9.8	21.0
4 21	11 22.29	+ 3 42.2	2.105	2.937	13.0	21.2

326419 2001 TO_{30} 3 16.9 131.°08 6.°9/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.39	+20 55.2	2.077	2.912	12.3	20.7
2 21	12 10.06	+21 57.6	2.025	2.925	9.7	20.6
3 2	12 1.65	+22 54.1	1.998	2.936	7.6	20.5
3 12	11 51.96	+23 36.8	1.998	2.947	6.9	20.5
3 22	11 41.98	+23 59.8	2.026	2.958	8.3	20.6
4 1	11 32.71	+24 0.1	2.081	2.968	10.6	20.7
4 11	11 25.03	+23 37.8	2.160	2.978	13.1	20.9
4 21	11 19.46	+22 55.7	2.259	2.987	15.3	21.1

503588 2016 GN_{59} 3 16.9 94.°20 1.°6/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.66	− 4 28.1	1.741	2.552	15.3	22.2
2 21	12 7.00	− 4 21.9	1.661	2.555	11.8	22.0
3 2	12 0.05	− 3 59.3	1.604	2.557	7.7	21.7
3 12	11 51.51	− 3 23.3	1.572	2.559	3.4	21.5
3 22	11 42.39	− 2 39.1	1.568	2.561	2.4	21.4
4 1	11 33.79	− 1 52.9	1.591	2.563	6.6	21.7
4 11	11 26.73	− 1 11.5	1.641	2.565	10.8	21.9
4 21	11 21.87	− 0 39.9	1.713	2.567	14.5	22.1

469711 2005 JJ_{51} 3 16.9 330.°81 3.°1/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.70	+ 5 15.3	1.329	2.187	16.4	21.0
2 21	12 5.47	+ 6 4.1	1.253	2.176	12.3	20.7
3 2	11 59.43	+ 7 5.9	1.197	2.165	7.6	20.4
3 12	11 51.38	+ 8 12.3	1.166	2.155	3.4	20.1
3 22	11 42.50	+ 9 13.4	1.160	2.146	5.3	20.2
4 1	11 34.20	+10 0.0	1.179	2.137	10.2	20.5
4 11	11 27.77	+10 25.3	1.220	2.130	15.0	20.7
4 21	11 24.02	+10 27.2	1.280	2.122	19.1	20.9

377420 2004 TP_{132} 3 16.9 218.°21 4.°4/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.80	−15 15.6	2.425	3.168	13.5	21.2
2 21	12 5.18	−15 14.2	2.321	3.160	11.1	21.0
3 2	11 58.76	−14 53.5	2.239	3.151	8.4	20.8
3 12	11 51.07	−14 14.0	2.183	3.142	5.7	20.6
3 22	11 42.84	−13 18.1	2.155	3.132	4.4	20.5
4 1	11 34.88	−12 10.5	2.157	3.121	5.8	20.6
4 11	11 27.99	−10 57.5	2.186	3.110	8.5	20.7
4 21	11 22.76	− 9 45.7	2.241	3.099	11.4	20.9

10700 Juanangelviera 3 16.9 187.°49 0.°1/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.74	− 0 19.4	2.388	3.196	11.8	19.5
2 21	12 6.48	+ 0 4.3	2.300	3.195	8.9	19.3
3 2	11 59.47	+ 0 38.2	2.237	3.194	5.5	19.1
3 12	11 51.29	+ 1 18.7	2.203	3.193	1.8	18.9
3 22	11 42.66	+ 2 1.4	2.198	3.190	2.0	18.9
4 1	11 34.39	+ 2 41.6	2.224	3.188	5.7	19.1
4 11	11 27.26	+ 3 14.8	2.277	3.184	9.1	19.3
4 21	11 21.79	+ 3 38.0	2.355	3.180	12.0	19.5

406057 2006 US_{34} 3 16.9 95.°23 2.°0/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.01	+ 4 38.8	1.879	2.706	13.7	22.5
2 21	12 9.03	+ 5 20.9	1.825	2.733	10.1	22.3
3 2	12 1.01	+ 6 10.7	1.796	2.759	6.1	22.2
3 12	11 51.76	+ 7 1.9	1.795	2.785	2.4	22.0
3 22	11 42.25	+ 7 48.3	1.824	2.810	3.6	22.1
4 1	11 33.49	+ 8 24.3	1.880	2.834	7.4	22.4
4 11	11 26.33	+ 8 46.4	1.963	2.858	10.9	22.6
4 21	11 21.27	+ 8 53.2	2.069	2.881	13.9	22.9

59473 1999 HT_{1} 3 16.9 167.°20 2.°7/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.91	+ 6 49.5	2.187	3.019	11.9	19.1
2 21	12 5.97	+ 7 44.0	2.112	3.023	8.8	18.9
3 2	11 59.18	+ 8 44.8	2.063	3.026	5.4	18.7
3 12	11 51.19	+ 9 46.2	2.042	3.029	2.8	18.5
3 22	11 42.78	+10 41.9	2.051	3.031	4.1	18.6
4 1	11 34.83	+11 26.3	2.089	3.033	7.4	18.8
4 11	11 28.13	+11 55.8	2.152	3.034	10.7	19.0
4 21	11 23.21	+12 8.9	2.239	3.035	13.5	19.2

325769 2010 LY_{63} 3 16.9 225.°58 1.°6/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.00	− 4 17.6	1.829	2.618	15.5	22.2
2 21	12 15.05	− 4 13.5	1.721	2.602	12.2	21.9
3 2	12 5.29	− 3 53.4	1.636	2.584	8.0	21.6
3 12	11 53.38	− 3 19.3	1.578	2.564	3.5	21.3
3 22	11 40.38	− 2 35.6	1.550	2.543	2.6	21.2
4 1	11 27.64	− 1 48.4	1.553	2.519	7.3	21.4
4 11	11 16.46	− 1 5.0	1.583	2.494	12.0	21.6
4 21	11 7.78	− 0 31.0	1.637	2.467	16.2	21.8

271690 2004 RS_{101} 3 16.9 222.°25 1.°2/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.75	− 4 35.3	2.306	3.102	12.5	21.7
2 21	12 5.90	− 4 17.5	2.208	3.093	9.7	21.5
3 2	11 59.20	− 3 45.9	2.134	3.084	6.3	21.3
3 12	11 51.23	− 3 3.4	2.087	3.074	2.7	21.0
3 22	11 42.71	− 2 14.1	2.070	3.063	1.9	20.9
4 1	11 34.49	− 1 23.0	2.083	3.052	5.5	21.2
4 11	11 27.39	− 0 35.9	2.124	3.041	9.1	21.4
4 21	11 21.99	+ 0 3.1	2.189	3.029	12.3	21.5

8680 Rone 3 16.9 122.°37 1.°6/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.49	+ 5 10.4	2.601	3.425	10.5	18.6
2 21	12 4.58	+ 5 44.9	2.531	3.437	7.7	18.4
3 2	11 58.17	+ 6 24.9	2.486	3.448	4.7	18.3
3 12	11 50.82	+ 7 6.3	2.471	3.459	1.9	18.1
3 22	11 43.19	+ 7 44.6	2.485	3.470	2.9	18.2
4 1	11 35.97	+ 8 15.9	2.529	3.481	5.9	18.4
4 11	11 29.79	+ 8 37.1	2.601	3.492	8.7	18.6
4 21	11 25.10	+ 8 46.7	2.697	3.502	11.2	18.8

326711 2003 CW_{10} 3 16.9 71.°92 0.°7/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.26	− 4 29.6	1.675	2.487	15.8	20.6
2 21	12 7.16	− 3 41.6	1.625	2.520	11.9	20.4
3 2	11 59.92	− 2 35.9	1.597	2.553	7.5	20.2
3 12	11 51.40	− 1 18.7	1.596	2.585	2.8	20.0
3 22	11 42.64	+ 0 2.2	1.624	2.617	2.2	20.0
4 1	11 34.69	+ 1 18.4	1.679	2.648	6.6	20.3
4 11	11 28.42	+ 2 23.1	1.761	2.679	10.6	20.6
4 21	11 24.33	+ 3 12.0	1.866	2.710	13.9	20.9

464632 1999 TG_{23} 3 16.9 194.°84 1.°9/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.90	+ 6 12.1	2.532	3.354	10.7	22.1
2 21	12 6.51	+ 6 46.6	2.446	3.351	8.0	21.9
3 2	11 59.45	+ 7 26.6	2.387	3.348	4.9	21.7
3 12	11 51.28	+ 8 7.6	2.357	3.344	2.2	21.5
3 22	11 42.69	+ 8 45.1	2.357	3.340	3.3	21.6
4 1	11 34.47	+ 9 14.6	2.387	3.335	6.4	21.8
4 11	11 27.33	+ 9 33.0	2.444	3.330	9.4	22.0
4 21	11 21.78	+ 9 38.9	2.526	3.324	12.1	22.1

463102 2011 UG_{62} 3 16.9 148.°58 0.°2/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.01	− 2 26.8	1.884	2.695	14.3	22.5
2 21	12 7.77	− 1 48.0	1.809	2.705	10.8	22.3
3 2	12 0.40	− 0 54.0	1.757	2.714	6.8	22.1
3 12	11 51.62	+ 0 10.3	1.733	2.722	2.3	21.8
3 22	11 42.36	+ 1 18.4	1.737	2.730	2.2	21.8
4 1	11 33.66	+ 2 23.2	1.771	2.737	6.6	22.1
4 11	11 26.44	+ 3 18.1	1.831	2.743	10.6	22.4
4 21	11 21.30	+ 3 59.1	1.915	2.749	14.0	22.6

168749 2000 QA_{158} 3 16.9 99.°80 4.°1/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.79	−15 19.5	2.629	3.368	12.6	20.1
2 21	12 4.11	−15 21.6	2.550	3.386	10.3	19.9
3 2	11 57.92	−15 6.3	2.495	3.404	7.8	19.8
3 12	11 50.75	−14 34.8	2.466	3.422	5.3	19.7
3 22	11 43.27	−13 49.5	2.465	3.439	4.1	19.6
4 1	11 36.19	−12 54.8	2.493	3.456	5.2	19.7
4 11	11 30.15	−11 56.1	2.550	3.473	7.5	19.9
4 21	11 25.61	−10 58.5	2.633	3.490	9.9	20.1

326411 2001 SV_{219} 3 16.9 190.°57 0.°5/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.12	− 4 59.5	1.981	2.789	13.8	21.3
2 21	12 4.13	− 3 56.0	1.894	2.788	10.6	21.1
3 2	11 58.17	− 2 33.7	1.832	2.787	6.7	20.8
3 12	11 50.89	− 0 57.7	1.797	2.786	2.5	20.6
3 22	11 43.09	+ 0 44.7	1.791	2.784	2.1	20.5
4 1	11 35.72	+ 2 24.9	1.815	2.782	6.4	20.8
4 11	11 29.62	+ 3 54.6	1.865	2.780	10.3	21.0
4 21	11 25.39	+ 5 8.4	1.940	2.777	13.8	21.2

409818 2006 JX_{35} 3 16.9 207.°40 0.°6/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.80	− 3 42.9	2.136	2.937	13.2	23.0
2 21	12 6.81	− 3 4.5	2.041	2.931	10.1	22.7
3 2	11 59.82	− 2 10.7	1.970	2.924	6.4	22.5
3 12	11 51.45	− 1 5.3	1.927	2.916	2.4	22.2
3 22	11 42.50	+ 0 6.0	1.914	2.907	2.0	22.2
4 1	11 33.90	+ 1 16.7	1.930	2.897	6.1	22.4
4 11	11 26.53	+ 2 20.0	1.975	2.887	10.0	22.6
4 21	11 21.02	+ 3 11.4	2.043	2.875	13.3	22.8

215095 3131 $T\text{-}_{3}$ 3 16.9 236.°28 2.°1/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.09	−11 6.4	3.021	3.782	10.7	20.8
2 21	12 2.06	−10 24.1	2.909	3.767	8.5	20.6
3 2	11 56.67	− 9 26.0	2.821	3.753	6.0	20.4
3 12	11 50.36	− 8 14.2	2.762	3.737	3.4	20.2
3 22	11 43.65	− 6 52.3	2.733	3.721	2.2	20.1
4 1	11 37.14	− 5 25.2	2.735	3.705	4.3	20.2
4 11	11 31.43	− 3 58.6	2.767	3.688	7.1	20.4
4 21	11 26.96	− 2 37.6	2.827	3.671	9.7	20.5

457246 2008 PV_{1} 3 16.9 300.°82 4.°0/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.32	+ 6 29.6	1.706	2.558	13.7	20.3
2 21	12 3.16	+ 8 8.0	1.623	2.544	10.2	20.0
3 2	11 57.77	+ 9 59.1	1.565	2.531	6.4	19.8
3 12	11 50.80	+11 53.6	1.534	2.518	4.0	19.6
3 22	11 43.17	+13 40.7	1.531	2.505	6.0	19.7
4 1	11 35.94	+15 10.5	1.554	2.493	10.0	19.9
4 11	11 30.13	+16 16.1	1.601	2.480	13.9	20.1
4 21	11 26.43	+16 55.1	1.669	2.468	17.3	20.3

333783 2011 FP_{100} 3 16.9 328.°97 2.°4/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.88	− 4 42.8	1.758	2.565	15.3	20.1
2 21	12 8.01	− 5 5.3	1.670	2.560	12.0	19.9
3 2	12 0.75	− 5 13.3	1.605	2.555	8.1	19.6
3 12	11 51.80	− 5 8.5	1.565	2.550	4.0	19.4
3 22	11 42.14	− 4 53.8	1.553	2.545	2.8	19.3
4 1	11 32.92	− 4 34.1	1.569	2.540	6.7	19.5
4 11	11 25.22	− 4 14.9	1.610	2.536	10.9	19.7
4 21	11 19.77	− 4 1.2	1.674	2.532	14.6	20.0

209057 2003 QL_{38} 3 16.9 157.°75 0.°6/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.81	− 0 0.5	1.990	2.806	13.5	21.4
2 21	12 7.54	+ 0 43.2	1.913	2.813	10.1	21.2
3 2	12 0.22	+ 1 39.5	1.861	2.820	6.2	21.0
3 12	11 51.56	+ 2 43.2	1.836	2.827	2.0	20.7
3 22	11 42.44	+ 3 47.9	1.841	2.832	2.6	20.8
4 1	11 33.84	+ 4 47.0	1.875	2.837	6.7	21.0
4 11	11 26.63	+ 5 34.9	1.936	2.841	10.5	21.3
4 21	11 21.40	+ 6 8.2	2.021	2.845	13.8	21.5

251340 2007 HJ_{96} 3 16.9 313.°45 15.°1/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.95	−32 16.9	1.149	1.860	27.1	20.5
2 21	12 5.11	−33 14.6	1.069	1.854	24.7	20.2
3 2	11 59.74	−33 24.3	1.001	1.849	21.7	20.0
3 12	11 51.64	−32 36.0	0.948	1.845	18.6	19.8
3 22	11 42.25	−30 45.1	0.911	1.840	16.0	19.6
4 1	11 33.50	−27 56.9	0.895	1.836	15.1	19.5
4 11	11 27.20	−24 29.3	0.899	1.832	16.4	19.6
4 21	11 24.42	−20 46.6	0.924	1.828	19.5	19.7

168228 2006 KA_{32} 3 16.9 115.°34 0.°7/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.89	− 3 21.6	1.778	2.588	15.1	21.3
2 21	12 8.46	− 2 52.3	1.711	2.606	11.5	21.1
3 2	12 0.82	− 2 7.1	1.668	2.623	7.3	20.8
3 12	11 51.76	− 1 10.7	1.651	2.640	2.7	20.6
3 22	11 42.29	− 0 9.3	1.662	2.656	2.2	20.6
4 1	11 33.49	+ 0 49.8	1.703	2.671	6.6	20.9
4 11	11 26.29	+ 1 40.2	1.769	2.686	10.7	21.2
4 21	11 21.29	+ 2 17.5	1.859	2.700	14.1	21.4

63537 2001 PS_{33} 3 16.9 98.°99 4.°1/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.72	+12 55.9	2.258	3.096	11.3	18.7
2 21	12 6.44	+13 39.0	2.195	3.106	8.5	18.6
3 2	11 59.41	+14 22.6	2.158	3.116	5.6	18.4
3 12	11 51.26	+15 0.8	2.150	3.126	4.1	18.3
3 22	11 42.81	+15 28.5	2.170	3.136	5.3	18.4
4 1	11 34.89	+15 42.0	2.218	3.146	8.1	18.6
4 11	11 28.26	+15 39.4	2.292	3.156	10.9	18.8
4 21	11 23.40	+15 21.2	2.388	3.165	13.3	19.0

324557 2006 WZ_{97} 3 16.9 164.°43 0.°7/16.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.89	+ 0 42.2	2.024	2.843	13.2	21.4
2 21	12 6.85	+ 1 19.5	1.946	2.848	9.9	21.2
3 2	11 59.81	+ 2 8.3	1.891	2.852	6.0	20.9
3 12	11 51.44	+ 3 3.8	1.864	2.855	1.9	20.7
3 22	11 42.60	+ 4 0.1	1.867	2.858	2.6	20.7
4 1	11 34.24	+ 4 50.9	1.898	2.860	6.7	21.0
4 11	11 27.23	+ 5 31.1	1.957	2.862	10.4	21.2
4 21	11 22.15	+ 5 57.6	2.038	2.864	13.6	21.4

170862 2004 GZ_7 3 16.9 38.°26 3.°4/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.38	−12 31.1	1.856	2.640	15.6	19.9
2 21	12 2.12	−11 57.6	1.784	2.654	12.4	19.7
3 2	11 56.92	−11 0.5	1.734	2.668	8.8	19.5
3 12	11 50.47	− 9 43.0	1.708	2.683	5.2	19.3
3 22	11 43.62	− 8 11.2	1.710	2.698	3.4	19.3
4 1	11 37.30	− 6 33.2	1.740	2.714	5.9	19.4
4 11	11 32.34	− 4 58.2	1.797	2.730	9.5	19.7
4 21	11 29.27	− 3 33.4	1.878	2.747	12.8	19.9

110423 2001 TJ_{21} 3 16.9 101.°35 2.°7/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.30	− 6 50.0	1.854	2.649	15.1	18.9
2 21	12 8.09	− 7 1.2	1.777	2.657	11.9	18.7
3 2	12 0.66	− 6 56.1	1.721	2.665	8.1	18.5
3 12	11 51.74	− 6 36.4	1.692	2.673	4.2	18.3
3 22	11 42.29	− 6 5.7	1.690	2.681	3.0	18.2
4 1	11 33.37	− 5 29.5	1.717	2.688	6.3	18.4
4 11	11 25.96	− 4 54.0	1.771	2.696	10.1	18.6
4 21	11 20.70	− 4 24.2	1.847	2.703	13.5	18.9

313714 2003 UC_{97} 3 16.9 164.°00 0.°5/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.93	− 2 48.5	2.123	2.926	13.2	21.7
2 21	12 7.54	− 2 16.2	2.041	2.933	10.0	21.5
3 2	12 0.20	− 1 30.1	1.984	2.939	6.3	21.3
3 12	11 51.57	− 0 34.3	1.955	2.944	2.3	21.1
3 22	11 42.47	+ 0 25.8	1.955	2.948	2.0	21.0
4 1	11 33.85	+ 1 24.1	1.985	2.952	6.0	21.3
4 11	11 26.53	+ 2 14.9	2.043	2.955	9.7	21.5
4 21	11 21.10	+ 2 54.1	2.125	2.957	12.9	21.8

246306 2007 TX_{140} 3 16.9 185.°51 1.°7/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.47	+ 3 33.7	2.062	2.885	12.8	21.6
2 21	12 8.04	+ 4 21.9	1.980	2.885	9.5	21.4
3 2	12 0.56	+ 5 19.9	1.923	2.885	5.8	21.2
3 12	11 51.70	+ 6 22.0	1.894	2.884	2.2	20.9
3 22	11 42.33	+ 7 21.7	1.895	2.882	3.4	21.0
4 1	11 33.41	+ 8 12.7	1.925	2.879	7.3	21.2
4 11	11 25.84	+ 8 50.3	1.982	2.875	10.9	21.5
4 21	11 20.22	+ 9 12.1	2.062	2.871	14.1	21.7

67691 2000 SS_{310} 3 16.9 154.°58 10.°3/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.78	−30 43.1	2.070	2.720	18.0	18.1
2 21	12 5.69	−31 26.0	1.978	2.721	16.2	17.9
3 2	11 59.32	−31 39.7	1.904	2.722	14.1	17.8
3 12	11 51.34	−31 20.7	1.849	2.723	12.1	17.6
3 22	11 42.67	−30 28.3	1.817	2.724	10.7	17.5
4 1	11 34.41	−29 5.9	1.809	2.725	10.4	17.5
4 11	11 27.60	−27 21.5	1.826	2.725	11.4	17.6
4 21	11 22.95	−25 25.4	1.867	2.726	13.3	17.7

351596 2005 US_{524} 3 16.9 139.°76 1.°4/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.88	+ 4 46.3	2.748	3.572	10.0	22.1
2 21	12 3.37	+ 5 19.3	2.671	3.577	7.4	21.9
3 2	11 57.44	+ 5 58.0	2.619	3.582	4.4	21.8
3 12	11 50.61	+ 6 38.5	2.597	3.586	1.7	21.6
3 22	11 43.48	+ 7 16.7	2.604	3.591	2.7	21.6
4 1	11 36.69	+ 7 48.7	2.642	3.595	5.6	21.8
4 11	11 30.84	+ 8 11.5	2.707	3.599	8.4	22.0
4 21	11 26.38	+ 8 23.3	2.796	3.603	10.8	22.2

97992 2000 QL_{187} 3 16.9 225.°64 2.°0/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.60	+ 4 49.5	1.842	2.670	13.9	19.9
2 21	12 9.98	+ 5 21.7	1.753	2.660	10.4	19.6
3 2	12 1.95	+ 6 3.0	1.687	2.649	6.4	19.3
3 12	11 52.22	+ 6 47.7	1.649	2.638	2.5	19.1
3 22	11 41.77	+ 7 29.5	1.639	2.626	3.8	19.1
4 1	11 31.75	+ 8 2.0	1.658	2.613	8.1	19.4
4 11	11 23.24	+ 8 20.5	1.703	2.600	12.2	19.6
4 21	11 16.98	+ 8 23.0	1.770	2.586	15.8	19.8

248948 2006 WG_{170} 3 16.9 301.°17 3.°3/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.99	+ 9 54.6	2.339	3.179	10.9	20.5
2 21	12 3.74	+10 44.7	2.261	3.175	8.1	20.3
3 2	11 57.81	+11 38.5	2.210	3.172	5.2	20.2
3 12	11 50.76	+12 30.5	2.186	3.168	3.3	20.0
3 22	11 43.32	+13 14.9	2.192	3.165	4.7	20.1
4 1	11 36.26	+13 47.2	2.225	3.162	7.5	20.3
4 11	11 30.31	+14 4.4	2.285	3.158	10.5	20.5
4 21	11 25.98	+14 5.6	2.366	3.155	13.1	20.6

90224 2003 BB_{14} 3 16.9 336.°95 3.°3/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.51	− 7 24.5	1.269	2.093	19.2	19.5
2 21	12 7.00	− 7 31.3	1.191	2.088	15.2	19.2
3 2	12 0.50	− 7 14.0	1.132	2.083	10.4	18.9
3 12	11 51.81	− 6 34.2	1.095	2.079	5.4	18.6
3 22	11 42.20	− 5 37.4	1.083	2.075	3.7	18.5
4 1	11 33.18	− 4 32.9	1.096	2.072	8.2	18.8
4 11	11 26.16	− 3 31.1	1.132	2.069	13.3	19.0
4 21	11 22.03	− 2 40.8	1.188	2.067	17.9	19.3

382733 2003 AN_{51} 3 16.9 51.°93 7.°6/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.86	−20 26.8	1.973	2.693	16.8	20.6
2 21	12 8.42	−21 24.7	1.910	2.719	14.3	20.5
3 2	12 0.81	−21 58.8	1.866	2.746	11.6	20.4
3 12	11 51.78	−22 7.3	1.846	2.773	9.1	20.3
3 22	11 42.31	−21 51.4	1.851	2.800	7.7	20.2
4 1	11 33.45	−21 15.1	1.883	2.827	8.1	20.3
4 11	11 26.14	−20 25.5	1.940	2.854	10.0	20.5
4 21	11 20.98	−19 30.4	2.022	2.881	12.4	20.7

366903 2005 UU_{41} 3 16.9 196.°06 1.°2/15.4 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.32	+ 3 2.8	2.652	3.465	10.6	23.0
2 21	12 6.05	+ 3 47.4	2.561	3.462	7.9	22.8
3 2	11 59.17	+ 4 39.9	2.497	3.457	4.8	22.6
3 12	11 51.23	+ 5 36.2	2.462	3.452	1.7	22.4
3 22	11 42.86	+ 6 31.4	2.458	3.446	2.6	22.4
4 1	11 34.81	+ 7 20.6	2.485	3.439	5.9	22.6
4 11	11 27.76	+ 7 59.9	2.540	3.431	8.9	22.8
4 21	11 22.22	+ 8 26.9	2.620	3.422	11.6	23.0

228046 2008 HM_{18} 3 16.9 229.°88 2.°2/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.75	+ 4 24.2	2.182	3.011	12.0	21.1
2 21	12 5.26	+ 5 28.4	2.091	3.000	8.9	20.9
3 2	11 58.87	+ 6 42.8	2.025	2.989	5.4	20.7
3 12	11 51.17	+ 8 1.2	1.988	2.976	2.4	20.4
3 22	11 42.91	+ 9 16.8	1.980	2.963	3.8	20.5
4 1	11 34.98	+10 22.8	2.002	2.950	7.4	20.7
4 11	11 28.22	+11 14.1	2.050	2.936	10.9	20.9
4 21	11 23.22	+11 47.8	2.120	2.922	14.0	21.1

463236 2012 EJ_9 3 16.9 326.°27 1.°1/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.83	+ 3 3.1	1.433	2.277	16.3	20.9
2 21	12 7.75	+ 3 7.8	1.347	2.263	12.3	20.7
3 2	12 0.87	+ 3 23.6	1.284	2.249	7.6	20.3
3 12	11 51.93	+ 3 45.5	1.244	2.235	2.5	20.0
3 22	11 42.09	+ 4 7.6	1.231	2.222	3.4	20.0
4 1	11 32.74	+ 4 23.1	1.243	2.210	8.7	20.3
4 11	11 25.19	+ 4 26.7	1.279	2.199	13.6	20.5
4 21	11 20.30	+ 4 15.4	1.335	2.189	17.8	20.8

217075 2001 SR_{289} 3 16.9 133.°31 4.°6/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.14	−14 20.3	2.213	2.961	14.4	21.1
2 21	12 7.68	−14 33.3	2.131	2.974	11.8	20.9
3 2	12 0.29	−14 27.1	2.072	2.987	8.8	20.8
3 12	11 51.62	−14 2.1	2.039	2.999	6.0	20.6
3 22	11 42.49	−13 21.0	2.034	3.011	4.6	20.5
4 1	11 33.83	−12 28.5	2.058	3.022	6.1	20.6
4 11	11 26.47	−11 31.1	2.109	3.032	8.9	20.8
4 21	11 20.99	−10 35.1	2.186	3.042	11.7	21.0

173500 2000 SL_{311} 3 16.9 188.°83 3.°2/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.97	−10 29.4	2.935	3.684	11.2	20.3
2 21	12 7.93	−10 58.5	2.835	3.684	9.0	20.1
3 2	12 0.32	−11 15.8	2.761	3.682	6.6	19.9
3 12	11 51.62	−11 21.7	2.714	3.681	4.2	19.8
3 22	11 42.48	−11 17.2	2.698	3.679	3.3	19.7
4 1	11 33.58	−11 4.8	2.714	3.676	4.9	19.8
4 11	11 25.62	−10 48.1	2.758	3.673	7.4	20.0
4 21	11 19.11	−10 30.6	2.829	3.670	9.8	20.1

341315 2007 SB_{21} 3 16.9 122.°45 4.°8/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.37	+15 28.3	2.368	3.208	10.8	20.9
2 21	12 5.43	+16 28.9	2.307	3.217	8.2	20.7
3 2	11 58.79	+17 28.6	2.273	3.225	5.8	20.6
3 12	11 51.09	+18 21.0	2.267	3.233	4.8	20.5
3 22	11 43.08	+19 0.6	2.289	3.242	6.2	20.6
4 1	11 35.56	+19 23.6	2.339	3.249	8.6	20.8
4 11	11 29.25	+19 28.4	2.414	3.257	11.1	21.0
4 21	11 24.61	+19 15.6	2.511	3.264	13.3	21.1

55202 2001 RW_{23} 3 16.9 64.°09 1.°0/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.81	+ 0 58.1	2.046	2.873	12.8	19.6
2 21	12 3.67	+ 1 51.4	1.985	2.892	9.4	19.4
3 2	11 57.77	+ 2 55.6	1.948	2.911	5.7	19.2
3 12	11 50.76	+ 4 5.1	1.939	2.930	1.8	19.0
3 22	11 43.45	+ 5 13.3	1.959	2.949	2.7	19.1
4 1	11 36.67	+ 6 14.0	2.008	2.968	6.5	19.4
4 11	11 31.18	+ 7 2.2	2.083	2.987	9.9	19.6
4 21	11 27.43	+ 7 35.3	2.181	3.006	12.8	19.8

87644 2000 RJ_{77} 3 16.9 207.°13 4.°0/12.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.61	+12 41.5	2.364	3.196	11.1	20.4
2 21	12 7.95	+13 28.6	2.283	3.191	8.3	20.2
3 2	12 0.44	+14 17.3	2.228	3.184	5.6	20.0
3 12	11 51.68	+15 1.5	2.201	3.178	4.0	19.9
3 22	11 42.47	+15 35.7	2.204	3.170	5.3	20.0
4 1	11 33.66	+15 55.8	2.236	3.162	8.1	20.1
4 11	11 26.07	+15 59.5	2.295	3.153	11.0	20.3
4 21	11 20.25	+15 46.6	2.375	3.144	13.6	20.4

424696 2008 SM_{26} 3 16.9 26.°88 1.°6/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.38	+ 2 31.5	1.813	2.649	13.7	21.0
2 21	12 4.44	+ 3 20.0	1.740	2.652	10.2	20.8
3 2	11 58.43	+ 4 20.1	1.690	2.654	6.2	20.5
3 12	11 51.03	+ 5 25.7	1.667	2.657	2.2	20.3
3 22	11 43.14	+ 6 29.5	1.672	2.660	3.4	20.4
4 1	11 35.77	+ 7 24.6	1.704	2.663	7.5	20.6
4 11	11 29.81	+ 8 5.4	1.762	2.667	11.4	20.9
4 21	11 25.85	+ 8 29.1	1.841	2.671	14.7	21.1

226856 2004 TX_{11} 3 16.9 86.°66 1.°1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.96	+ 2 33.1	1.896	2.723	13.6	20.3
2 21	12 6.95	+ 2 59.6	1.827	2.734	10.1	20.1
3 2	11 59.88	+ 3 35.7	1.783	2.745	6.1	19.9
3 12	11 51.49	+ 4 16.4	1.766	2.756	2.0	19.7
3 22	11 42.69	+ 4 56.0	1.777	2.767	2.9	19.8
4 1	11 34.48	+ 5 29.0	1.816	2.778	6.9	20.0
4 11	11 27.72	+ 5 51.0	1.882	2.789	10.7	20.3
4 21	11 22.98	+ 5 59.7	1.970	2.799	13.9	20.5

229167 2004 TM_{97} 3 16.9 287.°00 1.°6/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.68	+ 3 40.9	1.872	2.705	13.5	20.9
2 21	12 6.17	+ 4 13.4	1.791	2.701	10.1	20.7
3 2	11 59.52	+ 4 55.5	1.734	2.697	6.1	20.4
3 12	11 51.41	+ 5 41.9	1.703	2.694	2.2	20.2
3 22	11 42.74	+ 6 26.5	1.701	2.690	3.4	20.2
4 1	11 34.54	+ 7 3.1	1.727	2.686	7.5	20.5
4 11	11 27.75	+ 7 27.0	1.778	2.682	11.4	20.7
4 21	11 22.99	+ 7 35.8	1.851	2.678	14.7	20.9

282813 2006 RJ_{20} 3 16.9 156.°07 3.°4/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.98	−13 3.8	2.884	3.630	11.4	21.4
2 21	12 4.21	−13 5.4	2.793	3.637	9.3	21.3
3 2	11 58.01	−12 52.2	2.725	3.643	6.8	21.1
3 12	11 50.85	−12 25.3	2.685	3.648	4.5	20.9
3 22	11 43.34	−11 47.0	2.674	3.654	3.4	20.9
4 1	11 36.14	−11 0.9	2.693	3.658	4.7	21.0
4 11	11 29.85	−10 11.6	2.741	3.663	7.1	21.1
4 21	11 24.93	− 9 23.5	2.815	3.667	9.5	21.3

107663 2001 FK_2 3 16.9 357.°54 3.°1/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.87	− 8 40.4	1.216	2.047	19.4	19.2
2 21	12 2.77	− 8 22.9	1.142	2.043	15.4	18.9
3 2	11 57.85	− 7 36.3	1.087	2.040	10.5	18.6
3 12	11 50.94	− 6 23.9	1.054	2.038	5.4	18.3
3 22	11 43.22	− 4 53.6	1.045	2.038	3.4	18.2
4 1	11 36.13	− 3 17.0	1.061	2.038	8.0	18.4
4 11	11 30.97	− 1 47.1	1.099	2.040	13.1	18.7
4 21	11 28.52	− 0 33.6	1.157	2.043	17.7	19.0

497312 2005 TB_{66} 3 16.9 214.°44 0.°2/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.76	− 1 26.6	2.281	3.087	12.3	23.4
2 21	12 6.68	− 0 59.8	2.185	3.079	9.4	23.2
3 2	11 59.72	− 0 21.2	2.114	3.071	5.9	22.9
3 12	11 51.47	+ 0 25.9	2.072	3.061	2.0	22.7
3 22	11 42.68	+ 1 16.7	2.059	3.052	2.0	22.6
4 1	11 34.21	+ 2 5.8	2.076	3.041	5.9	22.9
4 11	11 26.89	+ 2 47.9	2.121	3.030	9.5	23.1
4 21	11 21.31	+ 3 19.5	2.189	3.018	12.7	23.3

485181 2010 SR_{39} 3 16.9 144.°14 6.°4/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.47	− 9 43.3	1.322	2.107	20.6	20.6
2 21	12 19.08	−11 6.2	1.246	2.115	16.8	20.4
3 2	12 8.07	−12 9.9	1.191	2.122	12.3	20.1
3 12	11 54.41	−12 50.6	1.159	2.128	8.0	19.9
3 22	11 39.64	−13 7.6	1.154	2.134	6.5	19.9
4 1	11 25.67	−13 4.4	1.175	2.139	9.5	20.0
4 11	11 14.17	−12 49.1	1.221	2.144	13.9	20.3
4 21	11 6.15	−12 30.4	1.289	2.148	18.0	20.5

117667 2005 EC_{205} 3 16.9 53.°31 1.°5/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.28	+ 5 19.1	2.798	3.625	9.7	20.4
2 21	12 2.15	+ 5 50.8	2.727	3.635	7.1	20.2
3 2	11 56.69	+ 6 27.6	2.683	3.646	4.3	20.0
3 12	11 50.40	+ 7 5.5	2.668	3.657	1.8	19.9
3 22	11 43.86	+ 7 40.8	2.683	3.668	2.7	20.0
4 1	11 37.67	+ 8 9.6	2.727	3.680	5.5	20.2
4 11	11 32.39	+ 8 29.3	2.798	3.691	8.1	20.3
4 21	11 28.43	+ 8 38.4	2.893	3.702	10.5	20.5

460244 2014 QR_{267} 3 16.9 166.°80 4.°2/20.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.88	−11 18.4	1.917	2.687	15.6	21.9
2 21	12 9.34	−11 34.9	1.831	2.691	12.6	21.7
3 2	12 1.52	−11 32.1	1.766	2.695	9.1	21.5
3 12	11 52.11	−11 10.5	1.728	2.698	5.7	21.3
3 22	11 42.07	−10 32.9	1.717	2.700	4.2	21.2
4 1	11 32.50	− 9 44.6	1.734	2.702	6.6	21.4
4 11	11 24.41	− 8 52.8	1.779	2.704	10.1	21.6
4 21	11 18.50	− 8 4.0	1.848	2.705	13.5	21.8

238436 2004 PZ_7 3 16.9 160.°73 1.°0/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.52	− 4 21.0	1.824	2.630	15.0	21.4
2 21	12 8.30	− 3 50.8	1.745	2.636	11.5	21.2
3 2	12 0.84	− 3 3.5	1.689	2.642	7.4	21.0
3 12	11 51.87	− 2 3.2	1.659	2.647	2.9	20.7
3 22	11 42.34	− 0 56.1	1.658	2.652	2.2	20.7
4 1	11 33.36	+ 0 10.4	1.686	2.655	6.6	21.0
4 11	11 25.90	+ 1 9.1	1.741	2.658	10.8	21.2
4 21	11 20.61	+ 1 55.1	1.818	2.660	14.3	21.4

375353 2008 SP_{60} 3 16.9 130.°55 1.°5/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.69	− 5 38.0	2.208	3.004	13.0	21.2
2 21	12 5.08	− 5 16.7	2.128	3.012	10.0	21.0
3 2	11 58.68	− 4 40.8	2.071	3.020	6.6	20.8
3 12	11 51.11	− 3 53.3	2.042	3.028	3.0	20.6
3 22	11 43.13	− 2 58.7	2.042	3.035	2.0	20.5
4 1	11 35.58	− 2 2.7	2.071	3.042	5.4	20.7
4 11	11 29.24	− 1 11.0	2.128	3.048	8.9	21.0
4 21	11 24.62	− 0 28.0	2.209	3.055	12.0	21.2

153709 2001 US_{80} 3 16.9 111.°51 4.°1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.00	+10 58.1	1.914	2.753	13.0	20.3
2 21	12 8.43	+11 46.9	1.853	2.765	9.7	20.1
3 2	12 0.77	+12 38.2	1.817	2.778	6.2	19.9
3 12	11 51.80	+13 25.1	1.809	2.790	4.1	19.8
3 22	11 42.46	+14 1.2	1.829	2.801	5.5	19.9
4 1	11 33.78	+14 21.7	1.877	2.813	8.8	20.1
4 11	11 26.64	+14 24.3	1.950	2.824	12.0	20.3
4 21	11 21.59	+14 9.4	2.045	2.835	14.8	20.5

150698 2001 PG_7 3 16.9 209.°50 0.°1/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.64	− 1 51.5	1.709	2.529	15.2	20.4
2 21	12 7.89	− 1 9.1	1.623	2.524	11.6	20.2
3 2	12 0.74	− 0 9.6	1.559	2.518	7.2	19.9
3 12	11 51.87	+ 1 2.0	1.522	2.512	2.4	19.6
3 22	11 42.31	+ 2 18.3	1.513	2.506	2.6	19.6
4 1	11 33.21	+ 3 30.6	1.532	2.499	7.5	19.9
4 11	11 25.66	+ 4 31.5	1.578	2.491	11.9	20.1
4 21	11 20.40	+ 5 15.8	1.645	2.482	15.8	20.3

388682 2007 UX_{60} 3 16.9 114.°85 1.°0/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.35	+ 2 43.8	2.570	3.388	10.7	21.9
2 21	12 4.50	+ 3 21.6	2.501	3.404	7.9	21.7
3 2	11 58.17	+ 4 6.8	2.459	3.420	4.8	21.5
3 12	11 50.91	+ 4 55.2	2.445	3.435	1.6	21.3
3 22	11 43.37	+ 5 42.0	2.461	3.450	2.4	21.4
4 1	11 36.26	+ 6 23.1	2.508	3.465	5.6	21.6
4 11	11 30.20	+ 6 54.7	2.582	3.479	8.5	21.9
4 21	11 25.63	+ 7 15.0	2.680	3.493	11.1	22.0

136514 2005 QT_{36} 3 16.9 237.°74 1.°4/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.81	− 5 34.1	2.657	3.447	11.2	20.4
2 21	12 3.51	− 5 19.1	2.558	3.439	8.7	20.2
3 2	11 57.67	− 4 51.7	2.484	3.430	5.8	20.0
3 12	11 50.78	− 4 14.3	2.437	3.421	2.7	19.8
3 22	11 43.46	− 3 30.3	2.420	3.412	1.8	19.7
4 1	11 36.40	− 2 43.8	2.433	3.403	4.8	19.9
4 11	11 30.27	− 1 59.6	2.474	3.394	7.9	20.1
4 21	11 25.56	− 1 21.6	2.541	3.384	10.7	20.2

415889 2001 TJ_{85} 3 16.9 138.°87 0.°8/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.37	− 4 13.7	2.302	3.098	12.5	22.0
2 21	12 6.21	− 3 41.6	2.226	3.112	9.5	21.8
3 2	11 59.32	− 2 56.0	2.174	3.125	6.1	21.6
3 12	11 51.31	− 2 0.5	2.150	3.137	2.4	21.4
3 22	11 42.95	− 1 0.2	2.156	3.149	1.8	21.4
4 1	11 35.05	− 0 0.5	2.192	3.160	5.4	21.6
4 11	11 28.34	+ 0 52.9	2.256	3.170	8.8	21.9
4 21	11 23.34	+ 1 36.3	2.345	3.180	11.8	22.1

110885 2001 UM_{109} 3 16.9 195.°78 0.°3/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.93	+ 0 16.1	3.192	3.996	9.2	21.8
2 21	12 3.29	+ 0 50.5	3.098	3.993	6.9	21.7
3 2	11 57.40	+ 1 32.6	3.031	3.989	4.2	21.5
3 12	11 50.66	+ 2 19.5	2.994	3.984	1.4	21.3
3 22	11 43.60	+ 3 7.6	2.987	3.979	1.7	21.3
4 1	11 36.79	+ 3 53.1	3.012	3.973	4.5	21.5
4 11	11 30.76	+ 4 32.6	3.066	3.967	7.2	21.7
4 21	11 25.92	+ 5 3.4	3.145	3.960	9.6	21.8

416113 2002 PJ_{191} 3 16.9 184.°50 0.°8/16.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.75	+ 1 12.5	2.139	2.955	12.7	23.0
2 21	12 7.46	+ 1 50.0	2.055	2.956	9.5	22.7
3 2	12 0.22	+ 2 38.3	1.995	2.955	5.8	22.5
3 12	11 51.66	+ 3 32.7	1.964	2.954	1.9	22.2
3 22	11 42.60	+ 4 27.6	1.962	2.953	2.6	22.3
4 1	11 33.97	+ 5 17.0	1.990	2.951	6.5	22.5
4 11	11 26.61	+ 5 56.0	2.045	2.948	10.2	22.8
4 21	11 21.12	+ 6 21.6	2.124	2.944	13.3	23.0

322223 2011 AU_{73} 3 16.9 33.°52 2.°6/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.03	+ 6 1.7	1.678	2.520	14.4	20.7
2 21	12 7.34	+ 6 37.4	1.607	2.522	10.7	20.5
3 2	12 0.31	+ 7 21.2	1.559	2.524	6.6	20.3
3 12	11 51.71	+ 8 6.6	1.538	2.527	2.9	20.0
3 22	11 42.57	+ 8 46.5	1.544	2.529	4.3	20.1
4 1	11 34.04	+ 9 14.9	1.577	2.532	8.4	20.4
4 11	11 27.13	+ 9 27.5	1.635	2.535	12.4	20.6
4 21	11 22.49	+ 9 23.1	1.714	2.538	15.8	20.9

426864 2013 WK_6 3 16.9 164.°65 4.°9/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.73	+16 5.9	2.584	3.420	10.1	21.5
2 21	12 5.63	+17 18.2	2.519	3.425	7.7	21.3
3 2	11 58.92	+18 29.8	2.482	3.431	5.6	21.2
3 12	11 51.19	+19 34.1	2.473	3.435	4.9	21.2
3 22	11 43.11	+20 25.8	2.494	3.439	6.2	21.2
4 1	11 35.46	+21 0.6	2.543	3.442	8.4	21.4
4 11	11 28.91	+21 17.0	2.617	3.445	10.8	21.6
4 21	11 23.94	+21 15.2	2.713	3.447	12.9	21.7

280582 2004 TM_{225} 3 16.9 324.°49 2.°1/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.27	− 9 1.7	1.509	2.326	17.0	19.9
2 21	12 1.23	− 8 9.7	1.412	2.307	13.4	19.6
3 2	11 56.80	− 6 48.5	1.337	2.288	9.1	19.3
3 12	11 50.62	− 5 1.5	1.285	2.270	4.3	19.0
3 22	11 43.61	− 2 56.8	1.260	2.253	2.6	18.8
4 1	11 36.97	− 0 46.6	1.261	2.237	7.4	19.1
4 11	11 31.84	+ 1 16.1	1.287	2.221	12.4	19.3
4 21	11 29.00	+ 3 0.7	1.335	2.206	16.8	19.5

430919 2005 TM_{32} 3 16.9 257.°66 2.°9/13.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.11	+10 3.2	2.683	3.513	10.0	21.7
2 21	12 5.24	+10 42.0	2.587	3.495	7.4	21.5
3 2	11 58.76	+11 24.0	2.517	3.477	4.8	21.3
3 12	11 51.17	+12 4.6	2.475	3.458	2.9	21.2
3 22	11 43.11	+12 39.1	2.464	3.438	4.1	21.2
4 1	11 35.31	+13 3.4	2.482	3.418	6.9	21.4
4 11	11 28.46	+13 14.9	2.527	3.398	9.7	21.5
4 21	11 23.09	+13 12.4	2.596	3.378	12.2	21.6

219518 2001 PK_{20} 3 16.9 191.°23 6.°2/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.97	+18 22.0	2.221	3.060	11.4	20.7
2 21	12 7.61	+19 43.0	2.154	3.059	8.9	20.5
3 2	12 0.30	+21 2.0	2.113	3.057	6.8	20.4
3 12	11 51.68	+22 10.9	2.100	3.054	6.3	20.3
3 22	11 42.61	+23 2.9	2.115	3.051	7.7	20.4
4 1	11 34.03	+23 33.5	2.157	3.047	10.2	20.5
4 11	11 26.76	+23 41.1	2.224	3.042	12.8	20.7
4 21	11 21.40	+23 27.0	2.310	3.037	15.0	20.9

170059 2002 VD_{83} 3 16.9 34.°09 1.°1/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.11	+ 1 20.9	1.799	2.635	13.8	19.1
2 21	12 3.44	+ 2 8.3	1.735	2.646	10.3	18.9
3 2	11 57.78	+ 3 7.9	1.693	2.658	6.2	18.6
3 12	11 50.84	+ 4 13.4	1.679	2.670	2.0	18.4
3 22	11 43.50	+ 5 18.0	1.692	2.682	3.0	18.5
4 1	11 36.72	+ 6 14.5	1.733	2.695	7.1	18.8
4 11	11 31.35	+ 6 57.6	1.799	2.709	10.9	19.0
4 21	11 27.92	+ 7 24.3	1.887	2.722	14.2	19.3

213656 2002 RA_{235} 3 16.9 259.°73 0.°5/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.16	− 2 49.6	1.799	2.615	14.7	21.5
2 21	12 6.80	− 2 21.8	1.701	2.599	11.3	21.2
3 2	12 0.11	− 1 37.3	1.626	2.583	7.2	20.9
3 12	11 51.71	− 0 39.8	1.577	2.567	2.7	20.6
3 22	11 42.52	+ 0 24.7	1.556	2.550	2.3	20.6
4 1	11 33.66	+ 1 28.6	1.564	2.532	7.1	20.8
4 11	11 26.20	+ 2 24.6	1.597	2.515	11.5	21.0
4 21	11 20.90	+ 3 7.1	1.652	2.497	15.4	21.2

473946 2016 EY_{175} 3 16.9 291.°25 0.°2/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.68	− 0 28.1	1.658	2.486	15.2	21.8
2 21	12 6.57	− 0 5.6	1.567	2.473	11.5	21.5
3 2	12 0.01	+ 0 31.9	1.498	2.459	7.2	21.3
3 12	11 51.68	+ 1 19.8	1.456	2.446	2.4	20.9
3 22	11 42.56	+ 2 11.9	1.440	2.433	2.6	20.9
4 1	11 33.84	+ 3 0.9	1.451	2.419	7.6	21.2
4 11	11 26.64	+ 3 39.7	1.488	2.406	12.2	21.4
4 21	11 21.75	+ 4 4.0	1.546	2.393	16.1	21.6

460900 2014 WE_{183} 3 16.9 64.°65 3.°9/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.85	+ 7 39.3	1.563	2.413	14.8	20.7
2 21	12 6.52	+ 8 47.0	1.503	2.423	10.9	20.5
3 2	11 59.80	+10 2.5	1.468	2.433	6.8	20.3
3 12	11 51.53	+11 16.8	1.458	2.443	3.9	20.1
3 22	11 42.80	+12 21.0	1.475	2.453	5.7	20.2
4 1	11 34.79	+13 7.7	1.519	2.464	9.6	20.5
4 11	11 28.49	+13 32.8	1.586	2.474	13.4	20.7
4 21	11 24.53	+13 35.7	1.673	2.485	16.7	21.0

177859 2005 QB_3 3 16.9 189.°46 1.°4/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.06	− 5 58.3	2.998	3.780	10.3	21.6
2 21	12 3.49	− 5 43.9	2.903	3.779	7.9	21.5
3 2	11 57.57	− 5 18.6	2.834	3.777	5.3	21.3
3 12	11 50.75	− 4 44.2	2.792	3.775	2.5	21.1
3 22	11 43.58	− 4 3.9	2.781	3.773	1.7	21.0
4 1	11 36.67	− 3 21.3	2.801	3.770	4.3	21.2
4 11	11 30.60	− 2 40.4	2.850	3.767	7.0	21.4
4 21	11 25.80	− 2 4.6	2.924	3.764	9.6	21.5

253800 2003 XO_{21} 3 16.9 356.°25 2.°9/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.98	− 6 21.8	1.487	2.301	17.3	20.1
2 21	12 7.71	− 6 36.8	1.408	2.300	13.6	19.8
3 2	12 0.77	− 6 32.5	1.349	2.299	9.3	19.6
3 12	11 51.94	− 6 10.6	1.315	2.298	4.8	19.3
3 22	11 42.34	− 5 35.6	1.306	2.297	3.3	19.2
4 1	11 33.30	− 4 54.0	1.324	2.297	7.4	19.5
4 11	11 26.03	− 4 13.8	1.366	2.298	11.9	19.7
4 21	11 21.33	− 3 41.5	1.429	2.299	16.0	20.0

141267 2001 YB_{32} 3 16.9 34.°02 2.°7/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.26	+ 7 19.3	1.974	2.815	12.6	19.6
2 21	12 4.89	+ 7 56.6	1.909	2.823	9.3	19.4
3 2	11 58.62	+ 8 39.5	1.868	2.832	5.7	19.2
3 12	11 51.12	+ 9 22.1	1.854	2.842	2.8	19.0
3 22	11 43.25	+ 9 58.6	1.869	2.851	4.2	19.1
4 1	11 35.93	+10 24.0	1.911	2.862	7.6	19.3
4 11	11 29.96	+10 35.1	1.979	2.872	11.0	19.6
4 21	11 25.87	+10 31.0	2.069	2.883	13.9	19.8

80671 2000 BM_{17} 3 16.9 173.°35 1.°2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.41	− 3 49.4	1.790	2.593	15.3	19.9
2 21	12 10.58	− 3 37.4	1.707	2.597	11.8	19.6
3 2	12 2.33	− 3 9.5	1.647	2.600	7.6	19.4
3 12	11 52.42	− 2 29.1	1.615	2.602	3.1	19.1
3 22	11 41.88	− 1 41.3	1.610	2.603	2.3	19.1
4 1	11 31.89	− 0 52.8	1.635	2.604	6.8	19.4
4 11	11 23.50	− 0 10.1	1.686	2.604	11.0	19.6
4 21	11 17.41	+ 0 22.0	1.760	2.602	14.7	19.8

326453 2001 WR_{24} 3 16.9 165.°58 2.°3/19.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.47	− 8 7.5	2.087	2.875	13.9	21.5
2 21	12 5.84	− 7 49.7	2.002	2.878	10.9	21.3
3 2	11 59.26	− 7 14.4	1.939	2.881	7.4	21.1
3 12	11 51.37	− 6 24.1	1.903	2.884	3.8	20.9
3 22	11 42.98	− 5 23.4	1.895	2.886	2.6	20.8
4 1	11 35.01	− 4 18.5	1.916	2.888	5.7	21.0
4 11	11 28.32	− 3 16.0	1.965	2.889	9.3	21.2
4 21	11 23.48	− 2 21.6	2.038	2.890	12.6	21.4

299564 2006 DX_{192} 3 16.9 38.°53 0.°6/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.51	− 1 49.3	1.276	2.121	17.9	20.0
2 21	12 5.25	− 0 49.5	1.213	2.128	13.4	19.7
3 2	11 59.26	+ 0 32.0	1.171	2.135	8.3	19.5
3 12	11 51.42	+ 2 7.1	1.152	2.143	2.6	19.1
3 22	11 42.96	+ 3 44.7	1.159	2.151	3.3	19.2
4 1	11 35.25	+ 5 13.0	1.192	2.160	8.8	19.6
4 11	11 29.50	+ 6 22.5	1.248	2.169	13.7	19.9
4 21	11 26.37	+ 7 8.4	1.324	2.179	17.9	20.1

214471 2005 SO_{249} 3 16.9 256.°47 2.°3/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.12	+ 7 30.6	2.617	3.446	10.2	20.9
2 21	12 4.53	+ 8 9.0	2.522	3.431	7.6	20.7
3 2	11 58.34	+ 8 52.4	2.454	3.416	4.7	20.5
3 12	11 51.05	+ 9 36.2	2.414	3.400	2.4	20.3
3 22	11 43.31	+10 15.9	2.404	3.384	3.6	20.4
4 1	11 35.83	+10 47.1	2.423	3.368	6.5	20.6
4 11	11 29.32	+11 6.5	2.469	3.351	9.5	20.7
4 21	11 24.29	+11 12.7	2.539	3.335	12.1	20.9

459615 2013 HM_{107} 3 16.9 113.°90 0.°1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.35	− 2 1.3	1.761	2.577	15.0	22.4
2 21	12 8.11	− 1 19.7	1.696	2.594	11.3	22.2
3 2	12 0.68	− 0 22.9	1.654	2.612	7.0	22.0
3 12	11 51.83	+ 0 43.8	1.638	2.628	2.4	21.7
3 22	11 42.57	+ 1 53.2	1.652	2.645	2.4	21.8
4 1	11 33.99	+ 2 57.7	1.694	2.660	6.9	22.1
4 11	11 27.01	+ 3 50.8	1.762	2.675	10.9	22.4
4 21	11 22.20	+ 4 28.9	1.853	2.690	14.3	22.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
191957	2005 UP_{227}		3 16.9	248.°14	1.°0/17.8	18
	h m	° ′			°	m
2 11	12 12.20	− 4 27.6	1.572	2.389	16.4	21.0
2 21	12 7.90	− 3 56.9	1.478	2.376	12.7	20.7
3 2	12 0.96	− 3 5.2	1.406	2.362	8.3	20.4
3 12	11 52.05	− 1 56.4	1.359	2.348	3.3	20.0
3 22	11 42.24	− 0 37.5	1.340	2.333	2.5	19.9
4 1	11 32.81	+ 0 42.3	1.347	2.318	7.7	20.2
4 11	11 25.01	+ 1 53.4	1.380	2.302	12.6	20.5
4 21	11 19.69	+ 2 49.1	1.434	2.286	16.9	20.7
454581	2014 PU_{24}		3 16.9	59.°43	4.°1/12.9	18
2 11	12 8.74	+ 4 55.5	1.371	2.227	16.2	20.3
2 21	12 5.12	+ 6 49.6	1.323	2.246	11.8	20.1
3 2	11 59.00	+ 8 56.3	1.298	2.265	7.2	19.9
3 12	11 51.30	+11 3.1	1.298	2.284	4.1	19.7
3 22	11 43.17	+12 56.9	1.326	2.304	6.3	19.9
4 1	11 35.88	+14 27.4	1.380	2.324	10.5	20.2
4 11	11 30.44	+15 28.8	1.456	2.343	14.5	20.5
4 21	11 27.43	+16 0.8	1.552	2.363	17.8	20.8
89751	2002 AM_{26}		3 16.9	107.°57	6.°3/ 9.7	18
2 11	12 9.82	+15 36.3	1.904	2.755	12.5	19.4
2 21	12 5.46	+17 18.4	1.850	2.764	9.6	19.3
3 2	11 59.05	+19 0.5	1.821	2.773	7.1	19.1
3 12	11 51.30	+20 32.8	1.819	2.781	6.4	19.1
3 22	11 43.15	+21 47.0	1.845	2.790	8.0	19.2
4 1	11 35.59	+22 37.3	1.898	2.798	10.8	19.4
4 11	11 29.47	+23 1.5	1.973	2.806	13.6	19.6
4 21	11 25.37	+23 1.0	2.068	2.814	16.0	19.8
112663	2002 PK_{88}		3 16.9	185.°49	0.°3/16.7	18
2 11	12 9.56	− 0 3.0	2.360	3.173	11.7	20.6
2 21	12 4.94	+ 0 25.8	2.275	3.173	8.8	20.4
3 2	11 58.62	+ 1 4.9	2.214	3.173	5.4	20.2
3 12	11 51.16	+ 1 50.4	2.182	3.172	1.8	19.9
3 22	11 43.29	+ 2 37.8	2.179	3.171	2.0	19.9
4 1	11 35.77	+ 3 21.9	2.206	3.170	5.7	20.2
4 11	11 29.36	+ 3 58.4	2.260	3.169	9.1	20.4
4 21	11 24.56	+ 4 24.1	2.339	3.167	12.0	20.6
429373	2010 JP_{114}		3 16.9	250.°80	6.°5/ 8.0	17
2 11	12 11.89	+23 25.3	2.670	3.501	10.0	21.5
2 21	12 6.65	+24 31.7	2.592	3.484	8.1	21.3
3 2	11 59.68	+25 33.0	2.539	3.466	6.8	21.2
3 12	11 51.53	+26 22.9	2.515	3.448	6.6	21.2
3 22	11 42.92	+26 55.8	2.518	3.429	7.9	21.2
4 1	11 34.65	+27 8.5	2.548	3.411	9.8	21.3
4 11	11 27.48	+26 59.9	2.602	3.391	11.9	21.5
4 21	11 21.94	+26 31.3	2.676	3.372	13.9	21.6
498131	2007 TQ_{33}		3 16.9	120.°10	1.°8/19.2	17
2 11	12 7.91	− 7 32.3	2.431	3.217	12.2	22.1
2 21	12 3.63	− 7 4.9	2.350	3.227	9.5	21.9
3 2	11 57.76	− 6 22.6	2.293	3.237	6.4	21.7
3 12	11 50.87	− 5 28.3	2.264	3.246	3.1	21.5
3 22	11 43.62	− 4 26.1	2.264	3.255	2.0	21.5
4 1	11 36.77	− 3 21.6	2.293	3.264	4.9	21.7
4 11	11 30.97	− 2 20.4	2.351	3.273	8.1	21.9
4 21	11 26.71	− 1 27.0	2.434	3.281	11.0	22.1
44222	1998 QG_9		3 16.9	305.°15	4.°5/20.9	18
2 11	12 10.02	−11 47.6	1.884	2.662	15.6	18.4
2 21	12 5.89	−12 8.0	1.788	2.652	12.7	18.1
3 2	11 59.52	−12 8.9	1.714	2.643	9.3	17.9
3 12	11 51.56	−11 50.1	1.664	2.633	6.0	17.7
3 22	11 42.86	−11 14.2	1.641	2.624	4.5	17.6
4 1	11 34.50	−10 26.0	1.645	2.615	6.7	17.7
4 11	11 27.49	− 9 32.9	1.676	2.606	10.2	17.9
4 21	11 22.56	− 8 41.7	1.729	2.598	13.7	18.1
56691	2000 LW_{16}		3 16.9	294.°24	8.°6/ 7.6	18
2 11	12 10.32	+20 26.1	1.683	2.539	13.7	18.9
2 21	12 6.27	+22 17.1	1.623	2.534	10.9	18.8
3 2	11 59.78	+24 4.8	1.588	2.528	9.0	18.6
3 12	11 51.62	+25 37.4	1.578	2.523	8.8	18.6
3 22	11 42.86	+26 45.1	1.593	2.517	10.7	18.7
4 1	11 34.69	+27 21.7	1.633	2.512	13.5	18.8
4 11	11 28.20	+27 26.2	1.693	2.507	16.3	19.0
4 21	11 24.05	+27 1.2	1.770	2.502	18.8	19.2
185453	2006 YK_{41}		3 16.9	207.°46	0.°7/17.6	17
2 11	12 10.31	− 3 13.0	1.816	2.631	14.6	20.9
2 21	12 6.00	− 2 43.9	1.733	2.630	11.2	20.7
3 2	11 59.51	− 1 58.5	1.672	2.629	7.1	20.4
3 12	11 51.52	− 1 1.1	1.638	2.627	2.7	20.2
3 22	11 42.95	+ 0 2.4	1.632	2.625	2.2	20.1
4 1	11 34.84	+ 1 4.7	1.654	2.624	6.7	20.4
4 11	11 28.15	+ 1 58.8	1.702	2.622	10.8	20.6
4 21	11 23.55	+ 2 39.8	1.773	2.620	14.4	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
170401	2003 TX_{17}		3 16.9	35.°26	0.°4/16.6	18
	h m	° ′			°	m
2 11	12 8.60	− 1 48.1	1.354	2.195	17.2	19.8
2 21	12 5.21	− 0 57.2	1.289	2.202	13.0	19.5
3 2	11 59.21	+ 0 13.7	1.245	2.209	8.0	19.3
3 12	11 51.44	+ 1 37.6	1.226	2.217	2.6	19.0
3 22	11 43.07	+ 3 4.6	1.232	2.225	3.0	19.0
4 1	11 35.42	+ 4 24.0	1.264	2.233	8.3	19.3
4 11	11 29.62	+ 5 27.1	1.320	2.242	13.1	19.6
4 21	11 26.33	+ 6 9.3	1.397	2.252	17.1	19.9
256957	2008 EA_{76}		3 16.9	134.°54	2.°3/14.7	18
2 11	12 14.57	+ 6 21.6	2.135	2.960	12.4	20.9
2 21	12 8.70	+ 7 0.7	2.068	2.974	9.1	20.8
3 2	12 0.92	+ 7 45.7	2.026	2.988	5.6	20.6
3 12	11 51.93	+ 8 31.1	2.013	3.001	2.5	20.4
3 22	11 42.59	+ 9 11.3	2.030	3.013	3.7	20.5
4 1	11 33.83	+ 9 41.4	2.076	3.025	7.2	20.7
4 11	11 26.44	+ 9 58.2	2.149	3.036	10.5	20.9
4 21	11 20.96	+10 0.7	2.245	3.046	13.3	21.1
215890	2005 GM_{17}		3 16.9	16.°24	0.°2/17.1	18
2 11	12 9.19	− 1 41.6	1.273	2.116	17.9	20.7
2 21	12 5.85	− 1 16.1	1.206	2.119	13.6	20.4
3 2	11 59.70	− 0 31.3	1.160	2.123	8.5	20.1
3 12	11 51.63	+ 0 27.2	1.137	2.128	2.9	19.8
3 22	11 42.87	+ 1 30.8	1.139	2.133	2.8	19.8
4 1	11 34.84	+ 2 29.9	1.167	2.139	8.4	20.2
4 11	11 28.78	+ 3 15.9	1.217	2.146	13.4	20.5
4 21	11 25.41	+ 3 43.9	1.287	2.153	17.6	20.7
499464	2010 FX_4		3 16.9	99.°92	1.°5/15.4	17
2 11	12 8.91	+ 3 11.5	2.130	2.958	12.2	20.9
2 21	12 4.59	+ 3 54.4	2.054	2.963	9.1	20.7
3 2	11 58.45	+ 4 46.4	2.004	2.967	5.5	20.5
3 12	11 51.13	+ 5 42.3	1.981	2.971	2.0	20.3
3 22	11 43.40	+ 6 36.3	1.987	2.975	3.0	20.4
4 1	11 36.11	+ 7 22.7	2.022	2.980	6.7	20.6
4 11	11 30.04	+ 7 57.1	2.083	2.984	10.1	20.8
4 21	11 25.72	+ 8 17.2	2.168	2.988	13.1	21.0
128808	2004 RK_{255}		3 16.9	212.°46	5.°3/10.2	17
2 11	12 9.99	+14 44.3	2.271	3.113	11.1	20.3
2 21	12 5.42	+16 13.7	2.196	3.107	8.5	20.2
3 2	11 59.00	+17 44.9	2.148	3.100	6.1	20.0
3 12	11 51.33	+19 10.0	2.129	3.093	5.3	19.9
3 22	11 43.18	+20 21.6	2.138	3.086	6.9	20.0
4 1	11 35.41	+21 14.2	2.175	3.078	9.5	20.2
4 11	11 28.82	+21 44.9	2.236	3.069	12.2	20.3
4 21	11 23.98	+21 53.8	2.318	3.060	14.6	20.5
224320	2005 UT_{38}		3 16.9	129.°50	2.°1/14.8	18
2 11	12 11.67	+ 5 2.7	1.990	2.822	12.9	20.9
2 21	12 6.73	+ 5 48.0	1.920	2.830	9.5	20.7
3 2	11 59.80	+ 6 41.3	1.874	2.838	5.8	20.5
3 12	11 51.59	+ 7 36.6	1.856	2.845	2.5	20.3
3 22	11 42.96	+ 8 27.7	1.867	2.853	3.7	20.4
4 1	11 34.86	+ 9 8.7	1.907	2.860	7.4	20.6
4 11	11 28.14	+ 9 35.7	1.972	2.866	10.9	20.8
4 21	11 23.36	+ 9 46.8	2.060	2.873	14.0	21.1
352461	2008 AW_{94}		3 16.9	134.°00	3.°3/20.6	17
2 11	12 9.99	−10 39.0	2.482	3.248	12.6	21.2
2 21	12 5.24	−10 52.4	2.392	3.251	10.1	21.0
3 2	11 58.82	−10 50.9	2.326	3.253	7.3	20.8
3 12	11 51.26	−10 35.6	2.286	3.256	4.5	20.7
3 22	11 43.26	−10 8.6	2.275	3.259	3.4	20.6
4 1	11 35.60	− 9 33.9	2.293	3.261	5.2	20.7
4 11	11 28.99	− 8 56.2	2.339	3.263	8.0	20.9
4 21	11 23.97	− 8 20.3	2.410	3.266	10.8	21.1
241503	2009 CN_{42}		3 16.9	282.°74	5.°2/10.6	18
2 11	12 8.32	+15 4.8	2.219	3.065	11.2	19.9
2 21	12 4.19	+16 18.4	2.145	3.057	8.5	19.7
3 2	11 58.25	+17 33.0	2.096	3.050	6.1	19.5
3 12	11 51.08	+18 41.1	2.076	3.042	5.2	19.4
3 22	11 43.45	+19 36.1	2.083	3.035	6.7	19.5
4 1	11 36.22	+20 12.8	2.117	3.027	9.4	19.7
4 11	11 30.17	+20 28.8	2.176	3.019	12.1	19.8
4 21	11 25.86	+20 24.2	2.255	3.012	14.6	20.0
204903	2007 UO_{133}		3 16.9	93.°00	2.°3/14.1	18
2 11	12 7.65	+ 5 2.2	2.314	3.146	11.3	20.4
2 21	12 3.44	+ 6 12.7	2.252	3.163	8.3	20.2
3 2	11 57.64	+ 7 30.5	2.215	3.179	5.0	20.1
3 12	11 50.83	+ 8 49.5	2.207	3.195	2.4	19.9
3 22	11 43.74	+10 3.3	2.229	3.210	3.7	20.0
4 1	11 37.09	+11 6.2	2.280	3.226	6.8	20.2
4 11	11 31.58	+11 54.3	2.357	3.241	9.8	20.5
4 21	11 27.64	+12 25.7	2.458	3.256	12.4	20.7

101905 1999 RN_1 3 16.9 103.°40 0.°9/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.85	− 3 40.9	1.762	2.571	15.2	20.5
2 21	12 8.49	− 3 13.9	1.698	2.591	11.6	20.3
3 2	12 0.93	− 2 30.9	1.656	2.611	7.4	20.1
3 12	11 51.97	− 1 36.3	1.641	2.630	2.8	19.9
3 22	11 42.61	− 0 36.5	1.655	2.648	2.2	19.9
4 1	11 33.94	+ 0 21.5	1.697	2.666	6.5	20.2
4 11	11 26.89	+ 1 11.1	1.765	2.684	10.6	20.4
4 21	11 22.02	+ 1 48.1	1.857	2.701	14.0	20.7

251004 2006 PO_3 3 16.9 151.°64 1.°6/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.49	+ 3 33.3	2.040	2.864	12.9	21.8
2 21	12 8.05	+ 4 17.1	1.967	2.873	9.6	21.6
3 2	12 0.61	+ 5 10.1	1.919	2.881	5.8	21.4
3 12	11 51.87	+ 6 6.5	1.899	2.889	2.2	21.1
3 22	11 42.70	+ 7 0.3	1.908	2.896	3.3	21.2
4 1	11 34.06	+ 7 45.5	1.947	2.902	7.1	21.5
4 11	11 26.80	+ 8 17.8	2.012	2.908	10.7	21.7
4 21	11 21.50	+ 8 34.9	2.100	2.913	13.7	21.9

327367 2005 UF_{282} 3 16.9 286.°86 7.°1/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.17	+18 14.4	1.730	2.577	13.8	20.4
2 21	12 9.94	+19 12.6	1.651	2.560	10.8	20.2
3 2	12 2.11	+20 8.5	1.595	2.544	8.1	20.0
3 12	11 52.46	+20 52.9	1.565	2.527	7.1	19.9
3 22	11 42.07	+21 17.5	1.562	2.511	8.8	20.0
4 1	11 32.21	+21 17.1	1.584	2.494	11.9	20.1
4 11	11 24.05	+20 50.5	1.629	2.478	15.2	20.3
4 21	11 18.35	+19 59.9	1.694	2.462	18.3	20.4

229179 2004 TD_{166} 3 16.9 188.°87 1.°3/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.07	− 5 23.5	1.957	2.762	14.1	20.8
2 21	12 4.94	− 4 56.3	1.872	2.762	10.9	20.5
3 2	11 58.80	− 4 12.2	1.811	2.762	7.1	20.3
3 12	11 51.30	− 3 14.7	1.775	2.762	3.1	20.1
3 22	11 43.26	− 2 9.3	1.768	2.761	2.1	20.0
4 1	11 35.66	− 1 2.7	1.790	2.761	6.1	20.2
4 11	11 29.36	− 0 1.9	1.838	2.760	10.0	20.5
4 21	11 24.97	+ 0 47.9	1.909	2.760	13.4	20.7

138706 2000 SR_{92} 3 16.9 179.°54 3.°3/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.63	−13 2.6	2.721	3.473	11.9	20.7
2 21	12 3.37	−12 54.6	2.626	3.474	9.7	20.5
3 2	11 57.62	−12 30.5	2.554	3.474	7.1	20.4
3 12	11 50.86	−11 51.6	2.509	3.475	4.6	20.2
3 22	11 43.71	−11 0.5	2.493	3.475	3.3	20.1
4 1	11 36.85	−10 1.7	2.507	3.474	4.8	20.2
4 11	11 30.93	− 9 0.2	2.549	3.474	7.4	20.4
4 21	11 26.42	− 8 1.2	2.617	3.473	10.0	20.5

498897 2008 YY_{158} 3 16.9 44.°18 3.°6/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.02	− 7 53.7	1.878	2.665	15.3	20.6
2 21	12 9.33	− 8 35.4	1.810	2.683	12.1	20.5
3 2	12 1.46	− 9 1.5	1.764	2.701	8.5	20.3
3 12	11 52.17	− 9 12.7	1.745	2.720	5.0	20.1
3 22	11 42.43	− 9 10.8	1.753	2.739	3.7	20.1
4 1	11 33.31	− 9 0.0	1.790	2.759	6.3	20.3
4 11	11 25.74	− 8 45.5	1.853	2.779	9.7	20.5
4 21	11 20.33	− 8 32.1	1.940	2.799	12.9	20.7

240547 2004 PJ_{91} 3 16.9 136.°67 0.°3/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.75	− 2 23.8	1.941	2.751	14.0	21.3
2 21	12 7.55	− 1 20.0	1.871	2.767	10.5	21.1
3 2	12 0.32	− 0 0.6	1.824	2.782	6.5	20.9
3 12	11 51.78	+ 1 28.5	1.806	2.796	2.1	20.7
3 22	11 42.84	+ 2 59.5	1.818	2.809	2.4	20.7
4 1	11 34.47	+ 4 24.5	1.859	2.822	6.7	21.0
4 11	11 27.54	+ 5 36.6	1.927	2.833	10.5	21.3
4 21	11 22.60	+ 6 31.9	2.019	2.844	13.8	21.5

499549 2010 RA_{126} 3 16.9 12.°78 4.°4/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.67	+11 17.8	1.464	2.311	15.8	20.4
2 21	12 11.93	+11 36.2	1.396	2.312	11.9	20.2
3 2	12 3.35	+11 56.5	1.351	2.313	7.7	19.9
3 12	11 52.86	+12 11.3	1.331	2.315	4.5	19.7
3 22	11 41.75	+12 13.9	1.338	2.317	6.0	19.8
4 1	11 31.45	+11 59.7	1.371	2.319	10.1	20.1
4 11	11 23.19	+11 27.3	1.428	2.322	14.3	20.3
4 21	11 17.69	+10 37.9	1.505	2.324	17.9	20.5

473185 2015 KN_{70} 3 16.9 293.°37 1.°9/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.13	+ 4 3.2	2.324	3.156	11.2	21.4
2 21	12 2.44	+ 5 6.8	2.242	3.153	8.3	21.2
3 2	11 57.12	+ 6 19.4	2.186	3.150	5.0	21.0
3 12	11 50.71	+ 7 35.4	2.159	3.148	2.2	20.8
3 22	11 43.89	+ 8 48.5	2.161	3.145	3.4	20.9
4 1	11 37.42	+ 9 52.8	2.192	3.143	6.7	21.1
4 11	11 32.00	+10 43.6	2.249	3.140	9.9	21.3
4 21	11 28.13	+11 18.3	2.330	3.137	12.7	21.5

4308 Magarach 3 16.9 127.°93 4.°4/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.18	−13 46.6	2.271	3.020	14.1	17.6
2 21	12 7.72	−14 1.6	2.190	3.034	11.5	17.4
3 2	12 0.39	−13 58.3	2.132	3.048	8.5	17.2
3 12	11 51.81	−13 37.2	2.100	3.061	5.7	17.1
3 22	11 42.80	−13 0.8	2.096	3.073	4.4	17.0
4 1	11 34.23	−12 13.7	2.121	3.085	5.9	17.1
4 11	11 26.93	−11 21.9	2.174	3.096	8.6	17.3
4 21	11 21.45	−10 31.2	2.252	3.107	11.4	17.5

110226 2001 SF_{225} 3 16.9 99.°83 1.°1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.32	+ 1 55.1	1.752	2.584	14.4	20.0
2 21	12 6.79	+ 2 28.5	1.676	2.585	10.7	19.8
3 2	12 0.02	+ 3 13.8	1.623	2.586	6.6	19.5
3 12	11 51.73	+ 4 5.4	1.597	2.587	2.2	19.2
3 22	11 42.88	+ 4 56.8	1.598	2.589	3.1	19.3
4 1	11 34.56	+ 5 41.1	1.627	2.590	7.5	19.6
4 11	11 27.76	+ 6 12.9	1.682	2.591	11.6	19.8
4 21	11 23.12	+ 6 29.3	1.758	2.592	15.1	20.0

68801 2002 GR_{20} 3 16.9 198.°62 1.°4/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.22	+ 3 26.6	1.864	2.689	13.9	19.6
2 21	12 9.64	+ 3 52.2	1.781	2.686	10.4	19.4
3 2	12 1.78	+ 4 27.3	1.722	2.684	6.4	19.1
3 12	11 52.33	+ 5 6.8	1.690	2.680	2.2	18.8
3 22	11 42.26	+ 5 44.8	1.687	2.676	3.2	18.9
4 1	11 32.70	+ 6 15.5	1.713	2.672	7.5	19.1
4 11	11 24.64	+ 6 34.3	1.764	2.667	11.5	19.4
4 21	11 18.76	+ 6 38.9	1.838	2.662	15.0	19.6

498679 2008 SB_{228} 3 16.9 194.°30 2.°3/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.61	− 7 14.5	2.148	2.937	13.5	22.2
2 21	12 5.96	− 7 9.6	2.059	2.937	10.6	22.0
3 2	11 59.39	− 6 49.2	1.992	2.935	7.2	21.8
3 12	11 51.50	− 6 15.2	1.953	2.934	3.7	21.5
3 22	11 43.09	− 5 31.4	1.942	2.933	2.5	21.5
4 1	11 35.06	− 4 43.0	1.960	2.931	5.6	21.6
4 11	11 28.25	− 3 55.9	2.005	2.929	9.2	21.9
4 21	11 23.24	− 3 15.1	2.074	2.927	12.4	22.1

177047 2003 ES_5 3 16.9 349.°92 1.°2/18.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.50	− 2 36.9	1.940	2.755	13.8	19.3
2 21	12 5.30	− 2 40.9	1.854	2.750	10.6	19.1
3 2	11 59.06	− 2 32.5	1.792	2.746	6.9	18.9
3 12	11 51.41	− 2 14.1	1.755	2.743	2.8	18.6
3 22	11 43.20	− 1 49.6	1.747	2.740	2.1	18.5
4 1	11 35.39	− 1 23.9	1.766	2.738	6.1	18.8
4 11	11 28.90	− 1 2.1	1.812	2.736	10.0	19.0
4 21	11 24.35	− 0 48.0	1.880	2.734	13.4	19.2

42284 2001 TV_8 3 16.9 207.°01 5.°8/10.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.09	+18 12.5	2.304	3.137	11.3	17.9
2 21	12 9.19	+19 11.5	2.229	3.132	8.8	17.7
3 2	12 1.32	+20 8.2	2.181	3.125	6.6	17.6
3 12	11 52.14	+20 55.3	2.160	3.118	5.8	17.5
3 22	11 42.50	+21 27.1	2.168	3.111	7.1	17.6
4 1	11 33.32	+21 39.5	2.204	3.103	9.6	17.7
4 11	11 25.45	+21 31.4	2.265	3.094	12.2	17.9
4 21	11 19.48	+21 3.8	2.347	3.084	14.6	18.0

66698 1999 TM_{82} 3 16.9 119.°72 0.°7/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.38	+ 0 51.8	2.042	2.864	13.0	20.4
2 21	12 5.76	+ 1 25.9	1.966	2.870	9.7	20.2
3 2	11 59.23	+ 2 10.9	1.915	2.876	5.9	20.0
3 12	11 51.44	+ 3 2.3	1.892	2.882	1.9	19.7
3 22	11 43.22	+ 3 54.2	1.897	2.888	2.5	19.8
4 1	11 35.47	+ 4 40.8	1.931	2.894	6.5	20.0
4 11	11 29.03	+ 5 17.2	1.991	2.899	10.1	20.3
4 21	11 24.44	+ 5 40.5	2.075	2.904	13.3	20.5

253244 2003 AJ_{24} 3 16.9 158.°86 1.°5/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.70	+ 2 47.5	1.972	2.798	13.2	20.8
2 21	12 6.83	+ 3 35.1	1.896	2.803	9.8	20.6
3 2	11 59.93	+ 4 33.1	1.845	2.808	6.0	20.3
3 12	11 51.69	+ 5 35.9	1.822	2.812	2.1	20.1
3 22	11 42.98	+ 6 36.7	1.827	2.815	3.2	20.2
4 1	11 34.77	+ 7 29.2	1.861	2.818	7.2	20.4
4 11	11 27.92	+ 8 8.4	1.921	2.821	10.9	20.7
4 21	11 23.03	+ 8 31.6	2.004	2.823	14.1	20.9

114697 2003 FS_{109} 3 16.9 193.°74 2.°1/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.24	− 9 54.6	2.862	3.632	11.0	20.5
2 21	12 2.27	− 9 21.5	2.765	3.630	8.7	20.3
3 2	11 56.91	− 8 33.5	2.693	3.628	6.0	20.1
3 12	11 50.65	− 7 33.0	2.648	3.626	3.3	19.9
3 22	11 44.03	− 6 23.5	2.633	3.623	2.2	19.8
4 1	11 37.67	− 5 9.9	2.649	3.620	4.4	20.0
4 11	11 32.18	− 3 57.6	2.694	3.617	7.2	20.2
4 21	11 27.98	− 2 51.1	2.765	3.613	9.8	20.3

189846 2003 ES_{30} 3 16.9 315.°05 0.°6/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.56	− 1 59.2	1.535	2.373	15.7	19.9
2 21	12 2.97	− 0 59.7	1.441	2.353	12.0	19.6
3 2	11 57.94	+ 0 21.5	1.370	2.333	7.5	19.3
3 12	11 51.13	+ 1 58.5	1.323	2.314	2.4	18.9
3 22	11 43.48	+ 3 42.2	1.303	2.295	3.0	18.9
4 1	11 36.18	+ 5 21.3	1.309	2.277	8.3	19.1
4 11	11 30.37	+ 6 45.7	1.340	2.259	13.2	19.4
4 21	11 26.88	+ 7 48.7	1.391	2.242	17.4	19.6

305638 2009 BD_{36} 3 16.9 157.°06 1.°7/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.88	+ 3 20.4	1.955	2.778	13.4	21.9
2 21	12 9.19	+ 4 5.2	1.881	2.786	10.0	21.6
3 2	12 1.38	+ 4 59.8	1.832	2.794	6.1	21.4
3 12	11 52.18	+ 5 58.4	1.811	2.801	2.2	21.2
3 22	11 42.51	+ 6 54.3	1.820	2.807	3.4	21.3
4 1	11 33.40	+ 7 41.3	1.857	2.813	7.3	21.5
4 11	11 25.76	+ 8 14.8	1.921	2.818	11.1	21.8
4 21	11 20.19	+ 8 32.6	2.008	2.821	14.3	22.0

225518 2000 QJ_{179} 3 16.9 249.°69 0.°6/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.26	+ 1 1.5	2.219	3.033	12.3	21.2
2 21	12 7.26	+ 1 29.4	2.115	3.014	9.3	20.9
3 2	12 0.28	+ 2 8.1	2.036	2.995	5.8	20.7
3 12	11 51.86	+ 2 53.6	1.984	2.975	1.9	20.4
3 22	11 42.77	+ 3 41.0	1.963	2.954	2.4	20.4
4 1	11 33.94	+ 4 24.7	1.971	2.933	6.4	20.6
4 11	11 26.25	+ 4 59.6	2.006	2.911	10.2	20.8
4 21	11 20.35	+ 5 22.5	2.065	2.889	13.5	21.0

458737 2011 OS_{56} 3 16.9 188.°23 3.°3/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.58	+ 6 25.1	1.797	2.633	13.8	22.3
2 21	12 8.49	+ 7 38.3	1.720	2.632	10.3	22.0
3 2	12 1.10	+ 9 1.2	1.668	2.631	6.4	21.8
3 12	11 52.13	+10 25.7	1.644	2.630	3.4	21.6
3 22	11 42.56	+11 43.1	1.648	2.627	5.1	21.7
4 1	11 33.52	+12 45.4	1.681	2.624	9.0	21.9
4 11	11 26.00	+13 27.7	1.738	2.620	12.8	22.1
4 21	11 20.70	+13 48.2	1.817	2.615	16.1	22.4

523690 2014 DN_{143} 3 16.9 282.°70 0.°1/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 49.60	− 5 3.4	45.808	46.584	0.8	22.1
2 21	11 49.03	− 5 0.6	45.710	46.582	0.6	22.1
3 2	11 48.40	− 4 57.2	45.640	46.580	0.4	22.0
3 12	11 47.72	− 4 53.3	45.598	46.578	0.2	22.0
3 22	11 47.04	− 4 49.0	45.586	46.577	0.1	22.0
4 1	11 46.36	− 4 44.6	45.604	46.575	0.3	22.0
4 11	11 45.73	− 4 40.2	45.652	46.573	0.5	22.0
4 21	11 45.15	− 4 36.0	45.726	46.571	0.7	22.1

506210 2016 HT 3 16.9 251.°20 5.°5/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.34	+15 52.4	2.199	3.039	11.5	21.3
2 21	12 7.33	+16 58.5	2.114	3.022	8.9	21.1
3 2	12 0.29	+18 5.2	2.055	3.006	6.4	20.9
3 12	11 51.85	+19 4.9	2.023	2.989	5.5	20.9
3 22	11 42.83	+19 51.0	2.020	2.971	7.0	20.9
4 1	11 34.17	+20 18.2	2.045	2.953	9.7	21.0
4 11	11 26.76	+20 24.2	2.093	2.935	12.6	21.2
4 21	11 21.23	+20 9.3	2.163	2.916	15.2	21.3

435889 2008 YU_{168} 3 16.9 71.°70 1.°0/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.35	+ 1 53.8	2.077	2.903	12.6	21.5
2 21	12 4.93	+ 2 28.9	2.007	2.913	9.4	21.3
3 2	11 58.69	+ 3 13.7	1.960	2.922	5.7	21.0
3 12	11 51.27	+ 4 3.5	1.942	2.932	1.9	20.8
3 22	11 43.47	+ 4 52.7	1.952	2.942	2.6	20.9
4 1	11 36.15	+ 5 35.7	1.990	2.952	6.4	21.1
4 11	11 30.10	+ 6 8.0	2.055	2.962	9.9	21.4
4 21	11 25.84	+ 6 27.1	2.143	2.971	13.0	21.6

143223 2002 YN_{11} 3 16.9 326.°18 7.°0/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.64	+22 31.6	2.098	2.929	12.3	19.1
2 21	12 11.22	+23 4.9	2.028	2.924	9.9	18.9
3 2	12 2.62	+23 30.7	1.983	2.919	7.8	18.8
3 12	11 52.60	+23 42.0	1.965	2.914	7.1	18.7
3 22	11 42.16	+23 33.5	1.975	2.909	8.3	18.8
4 1	11 32.36	+23 2.9	2.011	2.905	10.6	18.9
4 11	11 24.15	+22 10.9	2.072	2.900	13.2	19.1
4 21	11 18.10	+21 0.6	2.154	2.896	15.6	19.2

371959 2008 FT_{50} 3 16.9 272.°74 0.°2/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.69	− 3 50.0	1.795	2.614	14.6	22.0
2 21	12 4.19	− 2 50.4	1.702	2.602	11.2	21.7
3 2	11 58.52	− 1 30.8	1.632	2.590	7.1	21.5
3 12	11 51.30	+ 0 3.8	1.588	2.578	2.5	21.1
3 22	11 43.40	+ 1 45.5	1.572	2.565	2.4	21.1
4 1	11 35.86	+ 3 24.9	1.585	2.553	7.1	21.4
4 11	11 29.66	+ 4 52.8	1.624	2.540	11.5	21.6
4 21	11 25.51	+ 6 3.1	1.685	2.528	15.3	21.8

198301 2004 TR_{323} 3 16.9 101.°30 0.°9/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.29	+ 1 25.8	1.967	2.793	13.2	20.8
2 21	12 5.78	+ 2 1.0	1.893	2.798	9.9	20.6
3 2	11 59.29	+ 2 47.2	1.842	2.804	6.0	20.3
3 12	11 51.49	+ 3 39.3	1.819	2.809	2.0	20.1
3 22	11 43.25	+ 4 31.5	1.824	2.815	2.7	20.1
4 1	11 35.50	+ 5 17.5	1.857	2.820	6.7	20.4
4 11	11 29.09	+ 5 52.6	1.917	2.825	10.5	20.6
4 21	11 24.59	+ 6 13.7	2.000	2.830	13.7	20.9

231368 2006 HF_{18} 3 16.9 295.°64 1.°4/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.43	+ 2 6.1	1.943	2.775	13.1	20.6
2 21	12 4.49	+ 2 54.2	1.861	2.770	9.8	20.4
3 2	11 58.56	+ 3 54.1	1.802	2.766	6.0	20.2
3 12	11 51.27	+ 5 0.1	1.771	2.762	2.1	19.9
3 22	11 43.45	+ 6 5.4	1.768	2.757	3.1	20.0
4 1	11 36.05	+ 7 3.3	1.793	2.753	7.2	20.2
4 11	11 29.94	+ 7 48.1	1.844	2.749	11.0	20.4
4 21	11 25.72	+ 8 16.6	1.918	2.745	14.3	20.6

296112 2009 BW_{50} 3 16.9 180.°81 2.°1/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.69	+ 4 11.5	1.937	2.764	13.4	21.5
2 21	12 8.40	+ 5 6.7	1.858	2.766	9.9	21.3
3 2	12 0.97	+ 6 12.0	1.804	2.766	6.1	21.1
3 12	11 52.08	+ 7 21.0	1.778	2.767	2.5	20.8
3 22	11 42.66	+ 8 26.3	1.781	2.766	3.8	20.9
4 1	11 33.73	+ 9 21.2	1.813	2.765	7.8	21.2
4 11	11 26.22	+10 0.7	1.871	2.763	11.5	21.4
4 21	11 20.78	+10 22.5	1.951	2.760	14.8	21.6

241512 2009 DN_{44} 3 16.9 284.°18 3.°5/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.45	+ 9 50.0	2.210	3.051	11.4	20.2
2 21	12 4.27	+10 47.9	2.133	3.047	8.5	20.0
3 2	11 58.32	+11 50.2	2.082	3.043	5.5	19.9
3 12	11 51.17	+12 50.6	2.058	3.039	3.6	19.7
3 22	11 43.58	+13 43.0	2.063	3.035	5.0	19.8
4 1	11 36.39	+14 22.1	2.096	3.031	8.0	20.0
4 11	11 30.37	+14 44.4	2.154	3.027	11.1	20.2
4 21	11 26.05	+14 49.2	2.235	3.024	13.8	20.3

345688 2006 UG_{154} 3 16.9 128.°20 1.°3/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.40	+ 4 10.2	2.721	3.540	10.2	21.9
2 21	12 4.56	+ 4 43.9	2.649	3.552	7.5	21.7
3 2	11 58.29	+ 5 23.6	2.602	3.564	4.5	21.5
3 12	11 51.12	+ 6 5.3	2.585	3.575	1.7	21.3
3 22	11 43.66	+ 6 45.0	2.598	3.586	2.5	21.4
4 1	11 36.59	+ 7 18.5	2.642	3.596	5.5	21.6
4 11	11 30.51	+ 7 43.0	2.713	3.606	8.3	21.8
4 21	11 25.83	+ 7 56.5	2.808	3.616	10.8	22.0

353237 2010 CQ_{93} 3 16.9 302.°43 2.°5/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 59.33	+ 3 33.6	1.318	2.169	17.0	21.1
2 21	12 7.60	+ 4 22.5	1.241	2.161	12.7	20.8
3 2	12 0.95	+ 5 26.5	1.185	2.152	7.8	20.5
3 12	11 52.18	+ 6 37.7	1.154	2.144	3.1	20.2
3 22	11 42.53	+ 7 46.1	1.148	2.136	4.7	20.3
4 1	11 33.47	+ 8 41.6	1.167	2.128	10.0	20.5
4 11	11 26.34	+ 9 16.9	1.208	2.120	14.9	20.8
4 21	11 22.00	+ 9 28.9	1.269	2.113	19.2	21.0

140523 2001 TK_{171} 3 16.9 143.°66 4.°6/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.93	+15 20.6	2.624	3.463	9.9	20.2
2 21	12 4.32	+16 30.5	2.562	3.470	7.5	20.1
3 2	11 58.19	+17 40.0	2.526	3.478	5.4	20.0
3 12	11 51.09	+18 43.0	2.520	3.485	4.6	19.9
3 22	11 43.69	+19 34.3	2.542	3.491	5.8	20.0
4 1	11 36.69	+20 9.7	2.593	3.497	8.1	20.2
4 11	11 30.73	+20 27.6	2.668	3.503	10.4	20.3
4 21	11 26.27	+20 28.0	2.766	3.509	12.5	20.5

500017 2011 QL_{60} 3 16.9 186.°23 1.°1/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.50	− 6 22.3	2.951	3.735	10.4	22.1
2 21	12 2.41	− 5 41.4	2.857	3.735	8.0	21.9
3 2	11 56.99	− 4 48.0	2.788	3.734	5.2	21.7
3 12	11 50.70	− 3 44.7	2.748	3.733	2.4	21.5
3 22	11 44.08	− 2 35.5	2.739	3.731	1.5	21.4
4 1	11 37.72	− 1 25.2	2.760	3.729	4.3	21.6
4 11	11 32.19	− 0 18.7	2.810	3.727	7.2	21.8
4 21	11 27.91	+ 0 40.1	2.887	3.724	9.7	22.0

299800 2006 SP_{106} 3 16.9 2.°63 1.°7/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.43	− 7 42.1	2.093	2.891	13.5	20.4
2 21	12 2.13	− 7 0.8	2.007	2.891	10.5	20.2
3 2	11 57.04	− 6 1.1	1.944	2.891	7.0	20.0
3 12	11 50.76	− 4 46.3	1.907	2.891	3.3	19.7
3 22	11 44.02	− 3 22.3	1.899	2.892	2.1	19.6
4 1	11 37.67	− 1 56.1	1.920	2.893	5.6	19.9
4 11	11 32.46	− 0 35.3	1.968	2.894	9.2	20.1
4 21	11 28.96	+ 0 34.4	2.040	2.895	12.5	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
198548	2004 XB_{132}		3 16.9	136.°27	5.°0/22.8	17
	h m	° ′			°	m
2 11	12 11.88	−16 56.1	2.485	3.213	13.6	21.3
2 21	12 6.69	−17 11.3	2.400	3.225	11.3	21.1
3 2	11 59.75	−17 7.9	2.337	3.236	8.7	21.0
3 12	11 51.66	−16 45.8	2.300	3.247	6.3	20.8
3 22	11 43.15	−16 7.1	2.290	3.258	5.0	20.8
4 1	11 35.02	−15 15.8	2.310	3.268	5.9	20.9
4 11	11 28.04	−14 17.8	2.358	3.278	8.2	21.0
4 21	11 22.72	−13 19.1	2.431	3.287	10.7	21.2
107677	2001 FN_{10}		3 16.9	268.°75	0.°9/17.7	18
2 11	12 13.41	− 2 5.7	1.690	2.508	15.4	19.7
2 21	12 8.66	− 2 1.6	1.598	2.497	11.9	19.4
3 2	12 1.41	− 1 42.8	1.529	2.485	7.6	19.1
3 12	11 52.32	− 1 12.6	1.485	2.474	3.0	18.8
3 22	11 42.43	− 0 35.7	1.468	2.462	2.4	18.8
4 1	11 32.93	+ 0 1.3	1.480	2.450	7.2	19.0
4 11	11 24.98	+ 0 32.2	1.516	2.438	11.7	19.3
4 21	11 19.37	+ 0 52.1	1.575	2.426	15.7	19.5
123009	2000 ST_{260}		3 16.9	242.°30	0.°3/16.7	17
2 11	12 12.20	− 1 30.9	1.883	2.699	14.2	20.5
2 21	12 7.57	− 0 45.9	1.783	2.683	10.8	20.3
3 2	12 0.65	+ 0 15.4	1.707	2.666	6.8	20.0
3 12	11 52.06	+ 1 28.6	1.658	2.648	2.3	19.7
3 22	11 42.69	+ 2 46.6	1.637	2.629	2.5	19.6
4 1	11 33.62	+ 4 1.6	1.645	2.610	7.2	19.9
4 11	11 25.88	+ 5 5.9	1.680	2.590	11.5	20.1
4 21	11 20.25	+ 5 54.6	1.737	2.569	15.3	20.3
75012	1999 UO_3		3 16.9	170.°39	1.°3/18.4	18
2 11	12 11.32	− 5 53.4	1.945	2.744	14.4	19.6
2 21	12 6.65	− 5 19.1	1.861	2.748	11.1	19.4
3 2	11 59.91	− 4 26.9	1.800	2.750	7.3	19.2
3 12	11 51.75	− 3 20.6	1.766	2.752	3.1	18.9
3 22	11 43.06	− 2 6.1	1.761	2.754	2.1	18.9
4 1	11 34.83	− 0 50.7	1.785	2.755	6.2	19.1
4 11	11 27.96	+ 0 18.1	1.836	2.756	10.1	19.4
4 21	11 23.08	+ 1 15.0	1.910	2.756	13.6	19.6
290208	2005 SN_{40}		3 16.9	199.°47	1.°3/15.9	18
2 11	12 16.10	+ 2 9.9	1.750	2.574	14.7	21.5
2 21	12 10.50	+ 2 45.2	1.666	2.571	11.1	21.2
3 2	12 2.44	+ 3 32.7	1.605	2.567	6.8	21.0
3 12	11 52.64	+ 4 26.7	1.571	2.562	2.3	20.7
3 22	11 42.15	+ 5 20.4	1.566	2.556	3.3	20.7
4 1	11 32.16	+ 6 6.7	1.590	2.550	7.9	21.0
4 11	11 23.77	+ 6 39.8	1.639	2.543	12.2	21.2
4 21	11 17.72	+ 6 56.7	1.710	2.535	15.9	21.4
458643	2011 GH_{35}		3 16.9	304.°76	1.°3/17.9	17
2 11	12 14.68	− 1 26.1	1.746	2.562	15.1	20.8
2 21	12 9.69	− 1 48.8	1.643	2.540	11.7	20.5
3 2	12 2.13	− 2 0.4	1.563	2.518	7.6	20.2
3 12	11 52.61	− 2 2.8	1.508	2.496	3.2	19.9
3 22	11 42.13	− 1 58.9	1.481	2.474	2.4	19.8
4 1	11 31.89	− 1 53.1	1.482	2.453	7.1	20.0
4 11	11 23.11	− 1 50.4	1.509	2.432	11.7	20.2
4 21	11 16.67	− 1 54.6	1.558	2.411	15.8	20.4
460349	2014 RQ_{33}		3 16.9	161.°27	2.°7/14.6	18
2 11	12 13.46	+ 5 32.9	1.751	2.587	14.2	21.6
2 21	12 8.40	+ 6 25.1	1.679	2.591	10.5	21.4
3 2	12 1.05	+ 7 26.6	1.631	2.595	6.4	21.1
3 12	11 52.15	+ 8 30.1	1.610	2.598	2.9	20.9
3 22	11 42.71	+ 9 28.1	1.617	2.601	4.4	21.0
4 1	11 33.85	+10 13.6	1.652	2.603	8.5	21.2
4 11	11 26.58	+10 42.0	1.712	2.605	12.3	21.5
4 21	11 21.53	+10 51.6	1.793	2.606	15.7	21.7
235909	2005 EA_{25}		3 16.9	91.°06	2.°1/15.0	18
2 11	12 13.28	+ 6 37.3	2.091	2.921	12.4	20.2
2 21	12 7.86	+ 6 58.1	2.020	2.928	9.2	20.0
3 2	12 0.52	+ 7 24.0	1.974	2.936	5.7	19.8
3 12	11 51.93	+ 7 50.3	1.956	2.944	2.4	19.6
3 22	11 42.95	+ 8 12.2	1.967	2.952	3.5	19.7
4 1	11 34.50	+ 8 25.3	2.006	2.960	7.0	19.9
4 11	11 27.42	+ 8 26.9	2.072	2.968	10.4	20.1
4 21	11 22.23	+ 8 15.9	2.161	2.975	13.4	20.3
417224	2005 YQ_{37}		3 16.9	81.°54	5.°9/22.3	18
2 11	12 14.87	−15 20.6	1.918	2.668	16.3	20.6
2 21	12 9.34	−16 1.4	1.846	2.685	13.5	20.5
3 2	12 1.57	−16 21.2	1.794	2.703	10.3	20.3
3 12	11 52.32	−16 19.0	1.767	2.721	7.3	20.1
3 22	11 42.55	−15 56.7	1.767	2.738	5.9	20.1
4 1	11 33.35	−15 18.8	1.795	2.755	7.1	20.2
4 11	11 25.69	−14 32.4	1.849	2.772	9.9	20.4
4 21	11 20.20	−13 44.5	1.927	2.789	12.8	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
200651	2001 TC_5		3 16.9	148.°31	0.°4/16.7	18
	h m	° ′			°	m
2 11	12 14.42	+ 0 0.8	1.521	2.350	16.3	21.4
2 21	12 9.46	+ 0 26.6	1.447	2.354	12.3	21.2
3 2	12 1.87	+ 1 7.5	1.396	2.357	7.6	20.9
3 12	11 52.47	+ 1 57.9	1.369	2.360	2.5	20.6
3 22	11 42.40	+ 2 50.8	1.370	2.363	2.9	20.6
4 1	11 32.99	+ 3 38.3	1.398	2.365	7.9	21.0
4 11	11 25.38	+ 4 13.7	1.451	2.368	12.6	21.2
4 21	11 20.30	+ 4 33.3	1.525	2.370	16.5	21.5
369326	2009 SW_{201}		3 16.9	158.°83	0.°3/16.6	16
2 11	12 10.62	− 0 41.1	2.239	3.051	12.3	22.5
2 21	12 5.83	+ 0 1.2	2.159	3.057	9.3	22.3
3 2	11 59.26	+ 0 55.2	2.104	3.063	5.7	22.1
3 12	11 51.52	+ 1 56.6	2.077	3.068	1.9	21.8
3 22	11 43.37	+ 2 59.8	2.080	3.072	2.2	21.9
4 1	11 35.64	+ 3 58.8	2.113	3.076	6.0	22.1
4 11	11 29.09	+ 4 48.5	2.173	3.080	9.5	22.4
4 21	11 24.25	+ 5 25.4	2.257	3.083	12.5	22.6
242425	2004 LC_{16}		3 17.0	238.°79	6.°7/25.7	18
2 11	12 8.44	−23 52.5	2.708	3.389	13.5	20.0
2 21	12 4.21	−24 19.2	2.604	3.383	11.8	19.8
3 2	11 58.31	−24 25.8	2.521	3.377	9.8	19.7
3 12	11 51.23	−24 10.9	2.461	3.371	8.0	19.6
3 22	11 43.64	−23 35.2	2.428	3.365	6.8	19.5
4 1	11 36.29	−22 41.4	2.421	3.358	7.0	19.5
4 11	11 29.92	−21 35.0	2.442	3.352	8.4	19.5
4 21	11 25.08	−20 22.2	2.488	3.345	10.4	19.7
365176	2009 ET_{30}		3 17.0	327.°29	0.°5/17.4	17
2 11	12 8.46	− 2 41.8	1.343	2.181	17.5	20.7
2 21	12 5.43	− 2 15.9	1.261	2.171	13.4	20.4
3 2	11 59.62	− 1 29.3	1.199	2.161	8.6	20.1
3 12	11 51.79	− 0 26.6	1.161	2.151	3.1	19.7
3 22	11 43.07	+ 0 44.2	1.148	2.142	2.7	19.6
4 1	11 34.86	+ 1 53.3	1.161	2.133	8.3	19.9
4 11	11 28.45	+ 2 50.9	1.196	2.126	13.5	20.2
4 21	11 24.70	+ 3 30.8	1.252	2.119	18.0	20.5
409915	2006 TN_{74}		3 17.0	113.°72	6.°6/10.9	18
2 11	12 17.89	+18 52.2	1.910	2.747	13.1	21.8
2 21	12 11.40	+19 52.7	1.860	2.764	10.2	21.6
3 2	12 2.70	+20 48.3	1.836	2.780	7.6	21.5
3 12	11 52.66	+21 30.8	1.839	2.797	6.7	21.5
3 22	11 42.33	+21 54.1	1.869	2.812	8.0	21.6
4 1	11 32.81	+21 54.8	1.926	2.828	10.6	21.8
4 11	11 25.01	+21 33.1	2.008	2.842	13.3	22.0
4 21	11 19.47	+20 51.5	2.109	2.856	15.7	22.2
209089	2003 SH_{33}		3 17.0	321.°40	1.°5/15.9	18
2 11	12 14.26	+ 3 35.7	1.427	2.269	16.5	20.5
2 21	12 9.59	+ 3 49.9	1.350	2.263	12.4	20.3
3 2	12 2.10	+ 4 15.2	1.294	2.258	7.7	20.0
3 12	11 52.60	+ 4 45.9	1.262	2.253	2.7	19.7
3 22	11 42.29	+ 5 15.2	1.258	2.248	3.7	19.7
4 1	11 32.59	+ 5 36.1	1.279	2.244	8.8	20.0
4 11	11 24.79	+ 5 43.5	1.324	2.239	13.6	20.2
4 21	11 19.68	+ 5 34.8	1.389	2.236	17.7	20.5
496727	2016 GX_{58}		3 17.0	164.°42	0.°9/17.8	17
2 11	12 13.50	− 2 15.9	1.769	2.583	15.0	21.9
2 21	12 8.49	− 2 13.6	1.687	2.583	11.5	21.7
3 2	12 1.16	− 1 57.5	1.629	2.584	7.4	21.5
3 12	11 52.23	− 1 30.7	1.596	2.584	2.9	21.2
3 22	11 42.68	− 0 58.0	1.591	2.585	2.2	21.1
4 1	11 33.63	− 0 25.1	1.615	2.585	6.7	21.4
4 11	11 26.12	+ 0 2.1	1.664	2.585	10.9	21.7
4 21	11 20.82	+ 0 19.5	1.736	2.585	14.6	21.9
184998	2006 OU_{11}		3 17.0	154.°29	4.°0/21.4	18
2 11	12 14.70	−13 29.1	2.416	3.159	13.5	21.3
2 21	12 8.81	−13 36.6	2.329	3.171	11.0	21.1
3 2	12 1.10	−13 26.6	2.265	3.181	8.1	21.0
3 12	11 52.16	−12 59.7	2.228	3.190	5.3	20.8
3 22	11 42.76	−12 18.5	2.220	3.199	4.0	20.7
4 1	11 33.78	−11 27.4	2.242	3.206	5.6	20.8
4 11	11 26.00	−10 32.3	2.293	3.213	8.4	21.0
4 21	11 19.98	− 9 38.9	2.369	3.219	11.2	21.2
496160	2010 VE_{198}		3 17.0	82.°08	3.°3/13.9	18
2 11	12 14.04	+ 7 29.5	1.720	2.559	14.2	21.7
2 21	12 8.63	+ 8 26.9	1.670	2.584	10.5	21.5
3 2	12 1.03	+ 9 30.3	1.645	2.608	6.5	21.4
3 12	11 52.10	+10 31.8	1.646	2.632	3.5	21.2
3 22	11 42.89	+11 24.0	1.676	2.656	4.9	21.4
4 1	11 34.47	+12 1.2	1.734	2.679	8.6	21.6
4 11	11 27.73	+12 20.0	1.816	2.702	12.1	21.9
4 21	11 23.20	+12 20.2	1.919	2.725	15.1	22.1